

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121754.D
 Acq On : 30 Sep 2020 23:08
 Operator : JU/CG
 Sample : L4190-13MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Manual Integrations
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Quant Time: Oct 01 01:20:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	151546	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	598816	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	307873	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	549603	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	347358	20.00	ng	0.00
86) Perylene-d12	15.37	264	322672	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	946676	92.84	ng	0.00
7) Phenol-d6	6.42	99	1239962	92.68	ng	0.00
23) Nitrobenzene-d5	7.35	82	855837	76.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	383765	100.29	ng	0.00
45) 2-Fluorobiphenyl	9.14	172	1518640	74.71	ng	-0.01
79) Terphenyl-d14	12.89	244	1404117	81.89	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.58	88	176091	37.587	ng	98
3) Pyridine	3.30	79	508105	39.232	ng	98
4) n-Nitrosodimethylamine	3.26	42	244494	40.699	ng	98
6) Aniline	6.44	93	398639	22.879	ng	# 36
8) 2-Chlorophenol	6.56	128	456703	43.988	ng	98
9) Benzaldehyde	6.33	77	137805	15.757	ng	99
10) Phenol	6.43	94	585546	41.102	ng	88
11) bis(2-Chloroethyl)ether	6.52	93	455111	42.386	ng	99
12) 1,3-Dichlorobenzene	6.72	146	479862	41.409	ng	99
13) 1,4-Dichlorobenzene	6.79	146	484493	41.638	ng	99
14) 1,2-Dichlorobenzene	6.95	146	468142	43.673	ng	99
15) Benzyl Alcohol	6.93	79	404592	44.494	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.06	45	716952	41.494	ng	99
17) 2-Methylphenol	7.04	107	377525	42.735	ng	98
18) Hexachloroethane	7.29	117	178398	42.819	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	324007	42.022	ng	99
20) 3+4-Methylphenols	7.19	107	445209	41.946	ng	98
22) Acetophenone	7.19	105	601720	39.605	ng	99
24) Nitrobenzene	7.36	77	497778	41.267	ng	98
25) Isophorone	7.60	82	921897	41.063	ng	99
26) 2-Nitrophenol	7.68	139	240865	42.714	ng	95
27) 2,4-Dimethylphenol	7.72	122	407361	40.648	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	575603	41.414	ng	100
29) 2,4-Dichlorophenol	7.92	162	377311	41.337	ng	97
30) 1,2,4-Trichlorobenzene	8.00	180	397621	41.362	ng	98
31) Naphthalene	8.09	128	1301031	41.158	ng	99
32) Benzoic acid	7.87	122	249633	35.498	ng	99
33) 4-Chloroaniline	8.13	127	231034	16.861	ng	99
34) Hexachlorobutadiene	8.20	225	240172	42.564	ng	99
35) Caprolactam	8.52	113	122233m	40.213	ng	
36) 4-Chloro-3-methylphenol	8.63	107	418358	42.547	ng	97
37) 2-Methylnaphthalene	8.77	142	864775	41.745	ng	98
38) 1-Methylnaphthalene	8.87	142	797653	41.373	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	401720	41.772	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.93	237	294987	53.712	ng	98
43) 2,4,6-Trichlorophenol	9.06	196	272124	41.514	ng	100
44) 2,4,5-Trichlorophenol	9.10	196	290360	41.901	ng	96
46) 1,1'-Biphenyl	9.24	154	1017885	41.298	ng	99
47) 2-Chloronaphthalene	9.26	162	793199	40.839	ng	100
48) 2-Nitroaniline	9.36	65	272119	45.086	ng	96
49) Acenaphthylene	9.68	152	1226039	41.084	ng	100
50) Dimethylphthalate	9.55	163	1101440	49.361	ng	99
51) 2,6-Dinitrotoluene	9.61	165	214419	45.120	ng	93
52) Acenaphthene	9.85	154	730373	38.749	ng	100
53) 3-Nitroaniline	9.77	138	127207	23.107	ng	98
54) 2,4-Dinitrophenol	9.89	184	141519	54.840	ng	97
55) Dibenzofuran	10.02	168	1090519	41.083	ng	98
56) 4-Nitrophenol	9.95	139	305283	69.536	ng	94
57) 2,4-Dinitrotoluene	10.01	165	275793	46.131	ng	90
58) Fluorene	10.37	166	842490	41.504	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.15	232	233830	41.506	ng	99
60) Diethylphthalate	10.25	149	941656	43.283	ng	100
61) 4-Chlorophenyl-phenylether	10.36	204	403125	41.457	ng	98
62) 4-Nitroaniline	10.39	138	192173	35.158	ng	94
63) Azobenzene	10.52	77	954919	41.217	ng	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	114783	36.028	ng	91
66) n-Nitrosodiphenylamine	10.48	169	803373	42.607	ng	100
67) 4-Bromophenyl-phenylether	10.85	248	273524	43.712	ng	98
68) Hexachlorobenzene	10.92	284	305208	43.220	ng	96
69) Atrazine	11.00	200	188281	40.192	ng	98
70) Pentachlorophenol	11.11	266	294851	76.027	ng	98
71) Phenanthrene	11.33	178	1297821	43.341	ng	99
72) Anthracene	11.38	178	1277335	41.336	ng	99
73) Carbazole	11.53	167	1105833	39.656	ng	100
74) Di-n-butylphthalate	11.86	149	1403342	43.603	ng	100
75) Fluoranthene	12.52	202	1313285	41.084	ng	99
77) Benzidine	12.63	184	418074	36.305	ng	99
78) Pyrene	12.75	202	1279887	50.431	ng	100
80) Butylbenzylphthalate	13.36	149	531256	51.759	ng	92
81) Benzo(a)anthracene	13.93	228	959309	43.653	ng	100
82) 3,3'-Dichlorobenzidine	13.89	252	267546	31.185	ng	99
83) Chrysene	13.97	228	952770	42.815	ng	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	687531	50.141	ng	98
85) Di-n-octyl phthalate	14.53	149	1128957	46.653	ng	99
87) Indeno(1,2,3-cd)pyrene	16.80	276	1052243	50.075	ng	99
88) Benzo(b)fluoranthene	14.96	252	998465	46.287	ng	97
89) Benzo(k)fluoranthene	14.99	252	781567	39.566	ng	99
90) Benzo(a)pyrene	15.32	252	817590	44.589	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	843250	48.207	ng	99
92) Benzo(g,h,i)perylene	17.23	276	894117	52.000	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

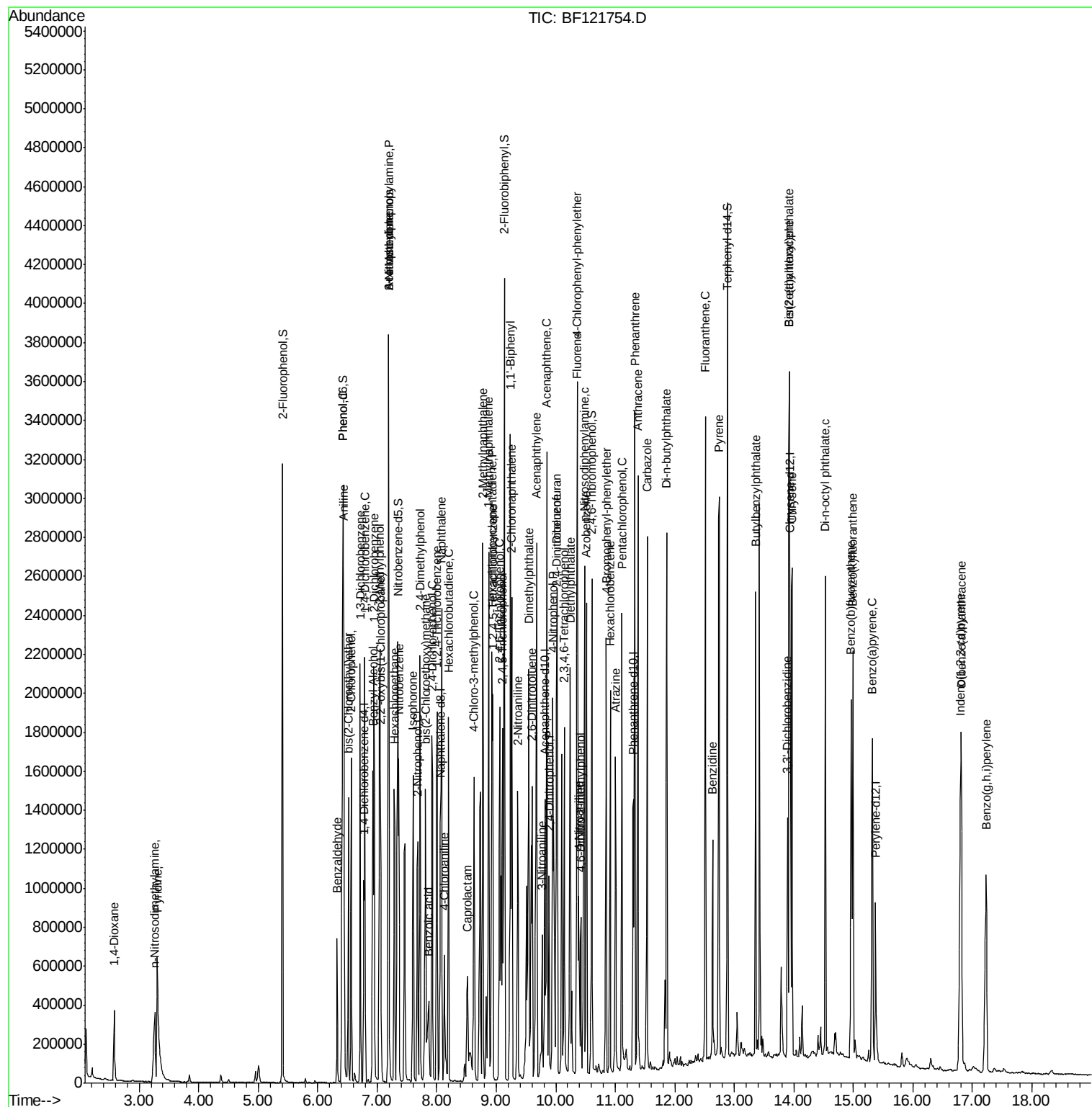
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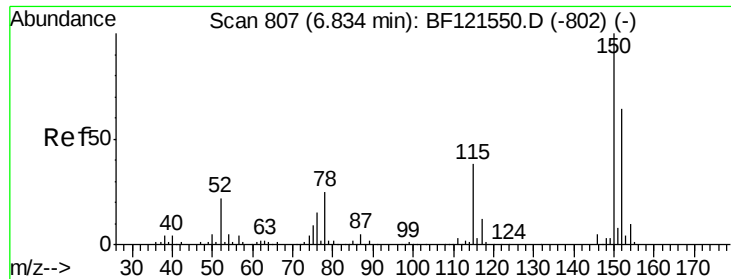
Instrument :
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#1

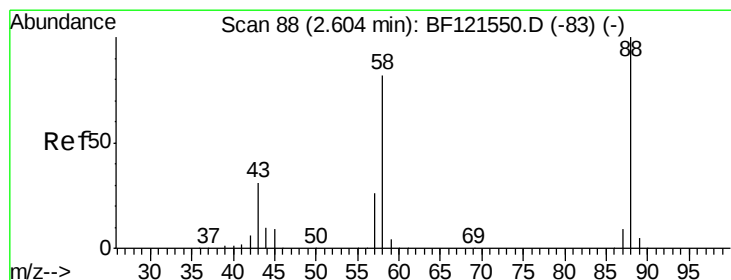
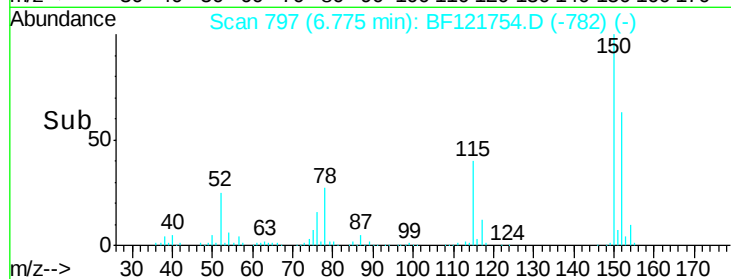
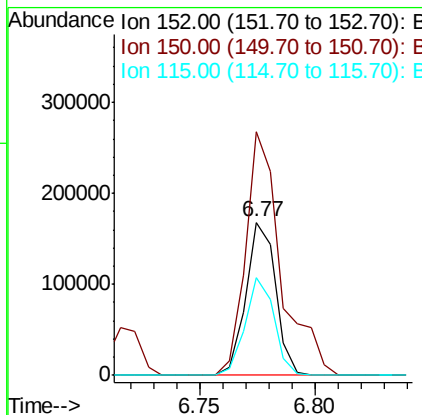
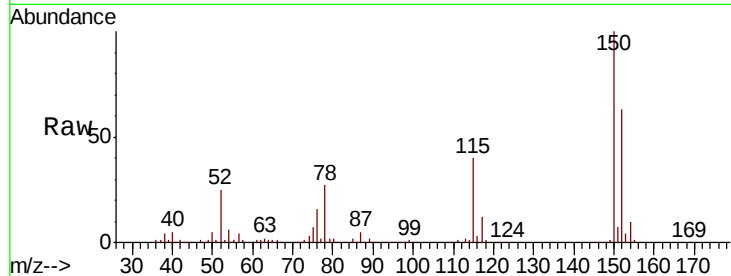
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.8	188.8
115	64.0	49.6	74.4

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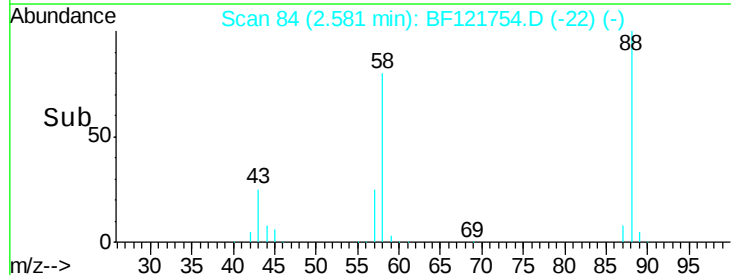
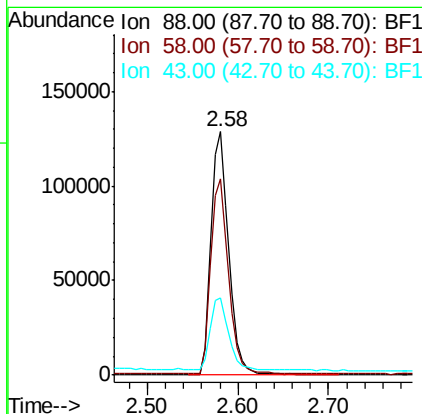
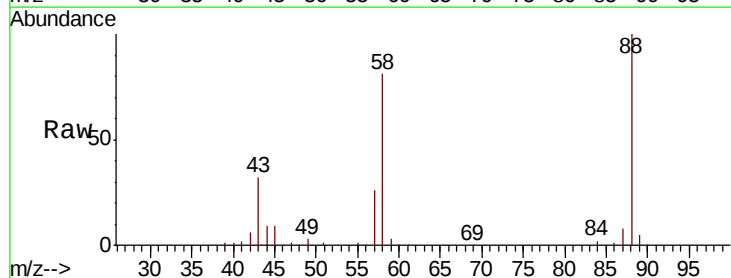
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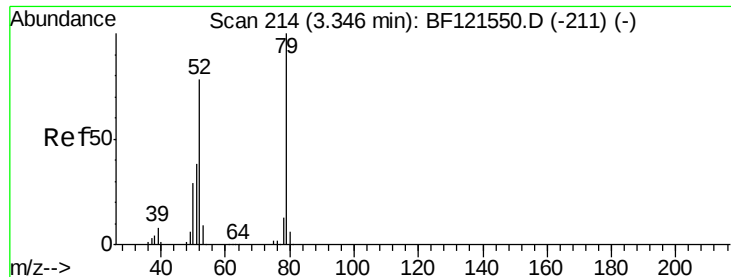


#2

1,4-Dioxane
Concen: 37.587 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.06 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.4	65.3	97.9
43	29.7	25.1	37.7





#3

Pvridine

Concen: 39.232 ng

RT: 3.30 min Scan# 207

Delta R.T. 0.06 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

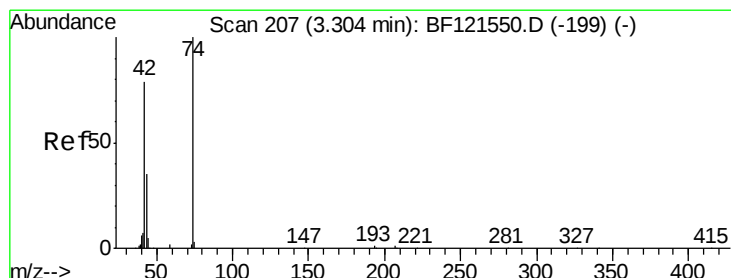
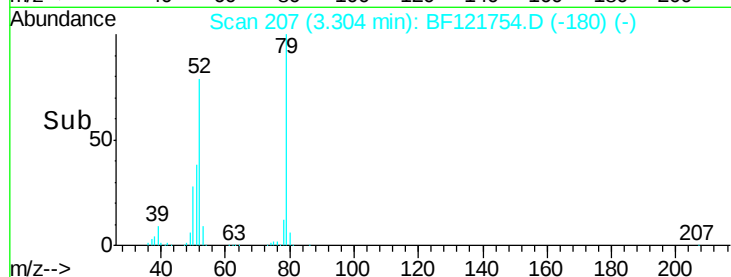
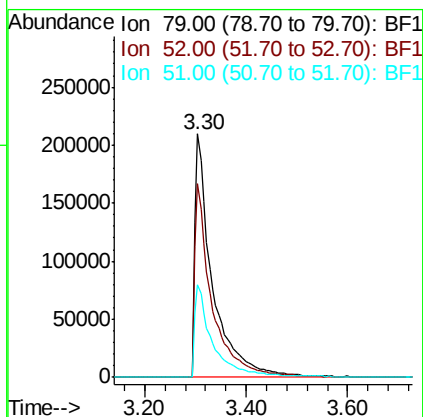
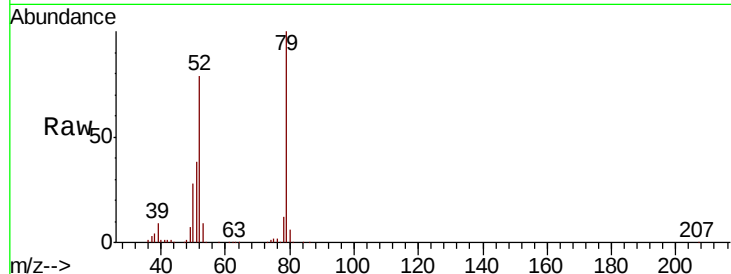
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	79	Resp:	508105
Ion Ratio	Lower	Upper	
79	100		
52	79.3	62.2	93.2
51	38.0	30.9	46.3

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#4

n-Nitrosodimethylamine

Concen: 40.699 ng

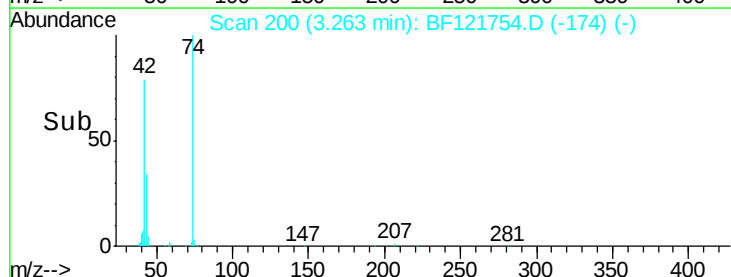
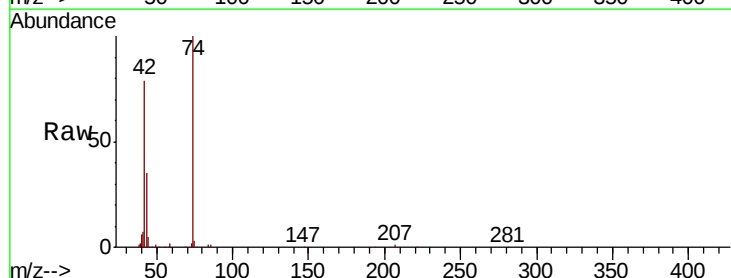
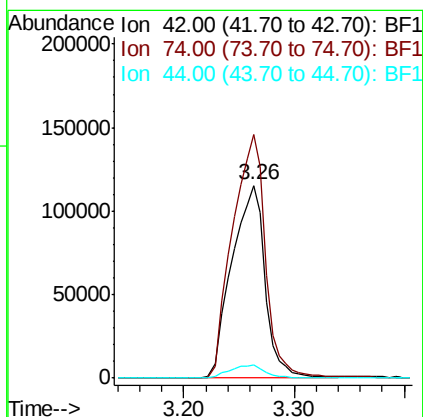
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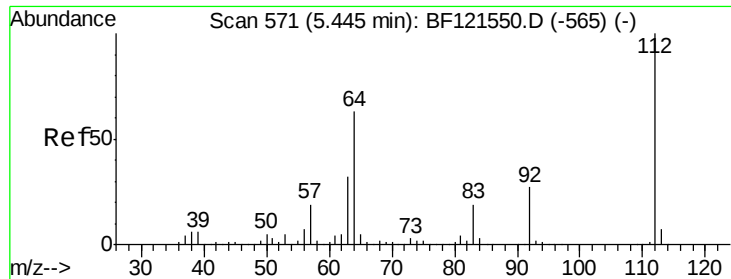
Delta R.T. 0.05 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	42	Resp:	244494
Ion Ratio	Lower	Upper	
42	100		
74	126.5	98.9	148.3
44	6.9	5.3	7.9





#5

2-Fluorophenol

Concen: 92.835 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

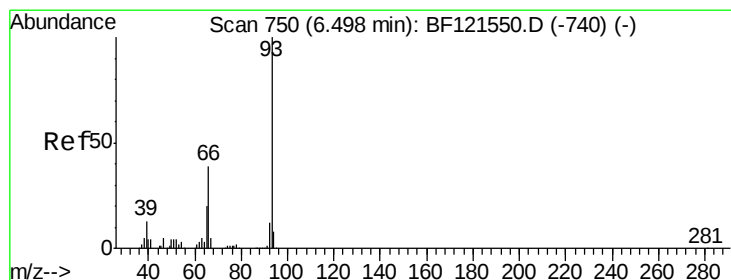
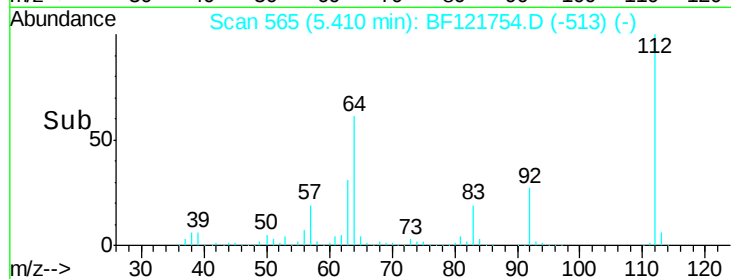
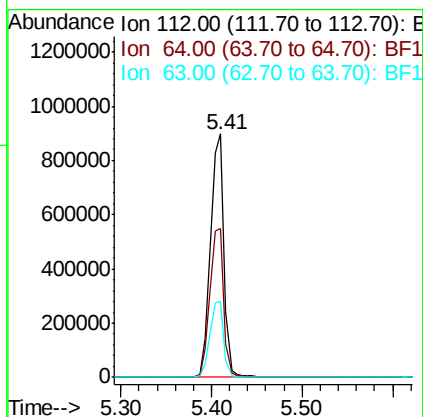
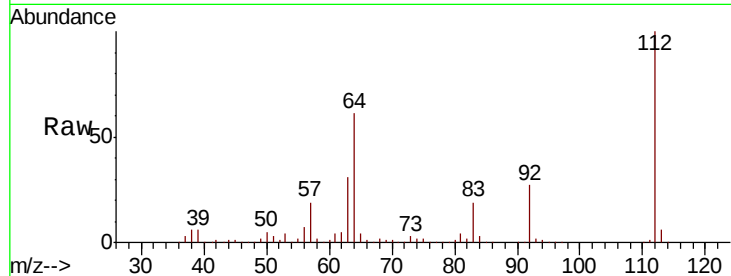
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	112	Resp:	946676
Ion Ratio	Lower	Upper	
112	100		
64	61.3	51.2	76.8
63	31.3	25.9	38.9

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#6

Aniline

Concen: 22.879 ng

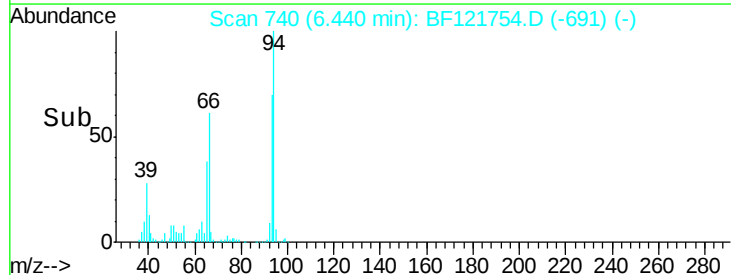
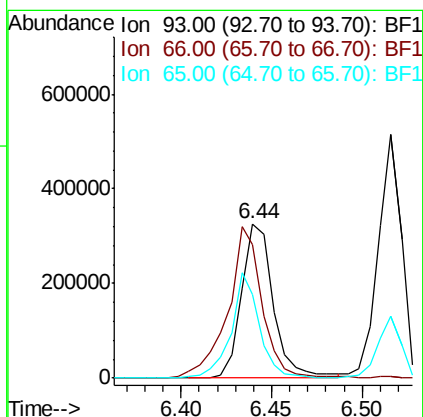
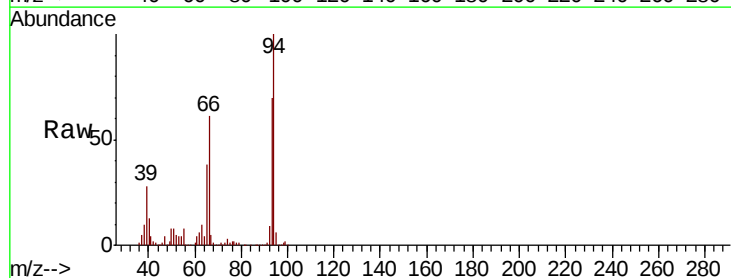
RT: 6.44 min Scan# 740

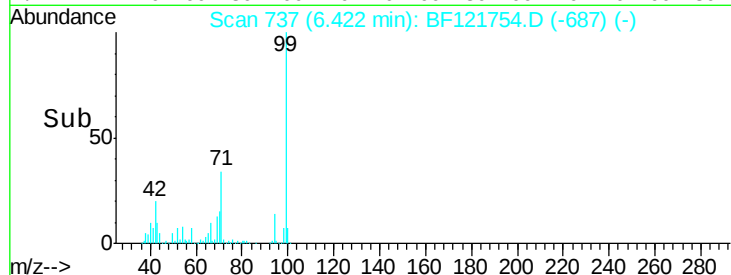
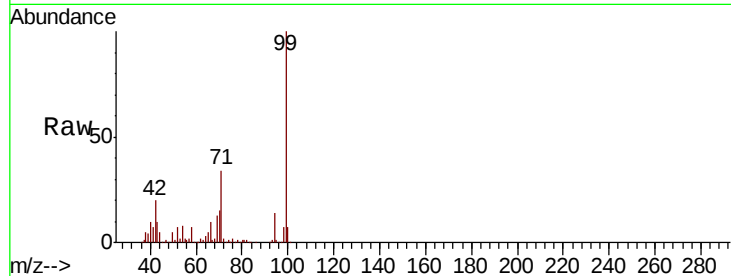
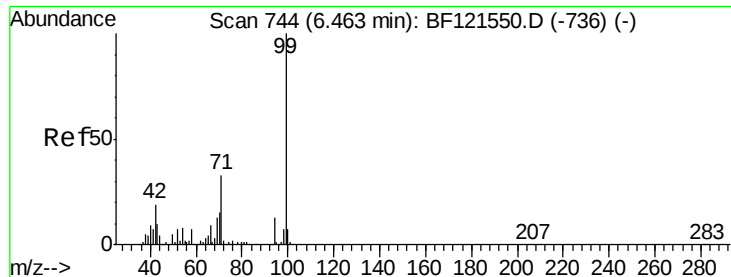
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	93	Resp:	398639
Ion Ratio	Lower	Upper	
93	100		
66	86.5	35.8	53.6#
65	54.1	18.7	28.1#





#7

Phenol-d6

Concen: 92.684 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tot Ion:	99	Resp:	1239962
Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.5	24.7
71	34.0	27.8	41.6

Instrument :

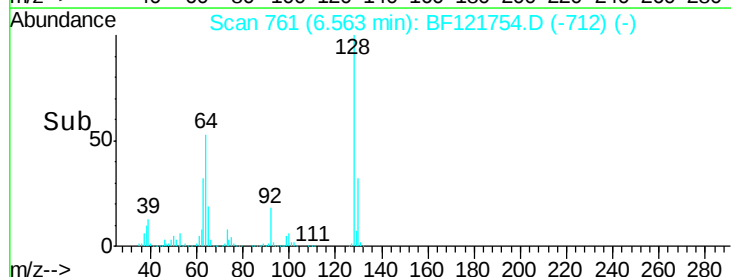
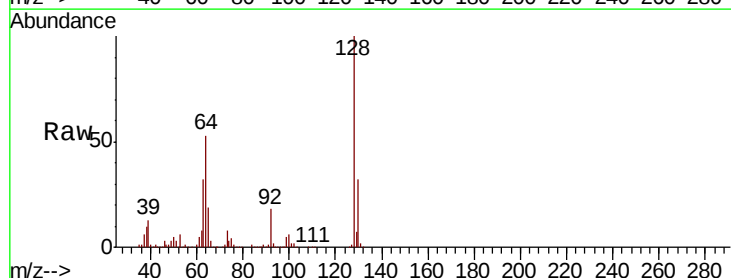
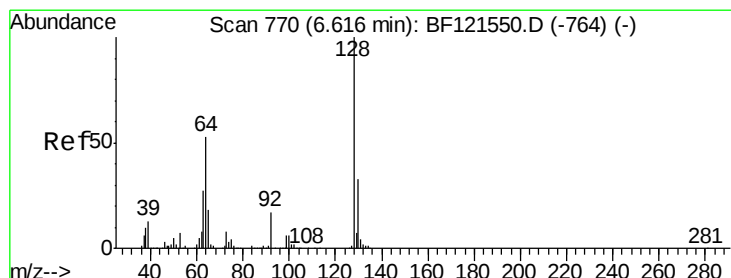
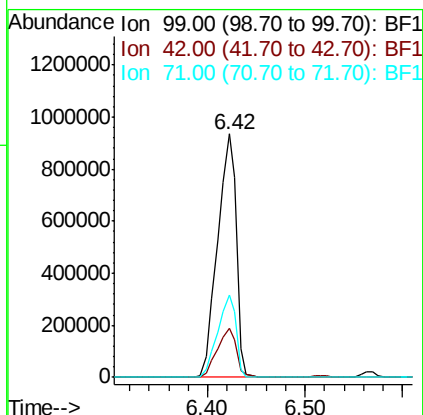
BNA_F

ClientSampleId :

PAV-B18-092920-10-20MS

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#8

2-Chlorophenol

Concen: 43.988 ng

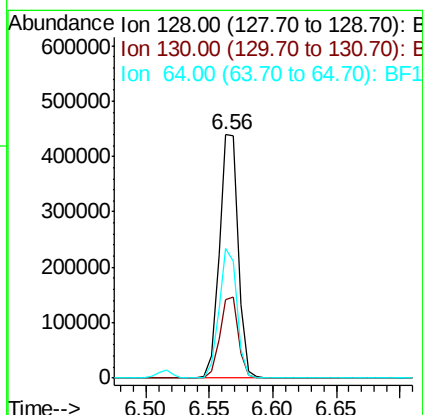
RT: 6.56 min Scan# 761

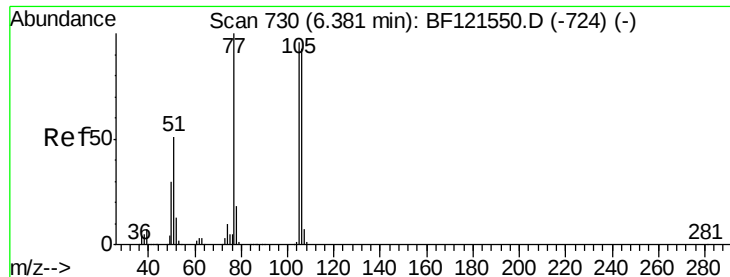
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	128	Resp:	456703
Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	53.2	31.9	71.9





#9

Benzaldehyde

Concen: 15.757 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

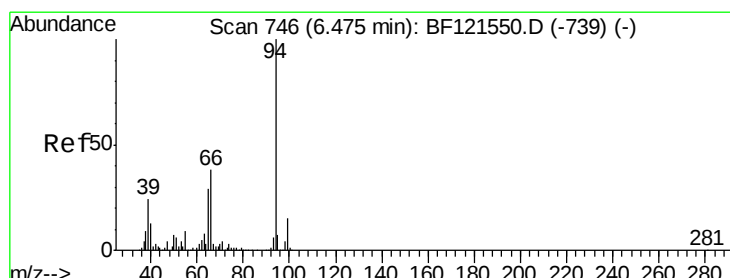
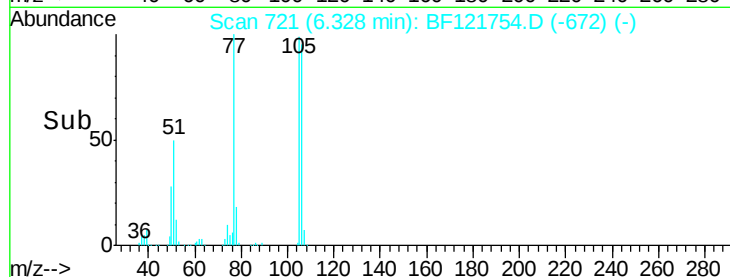
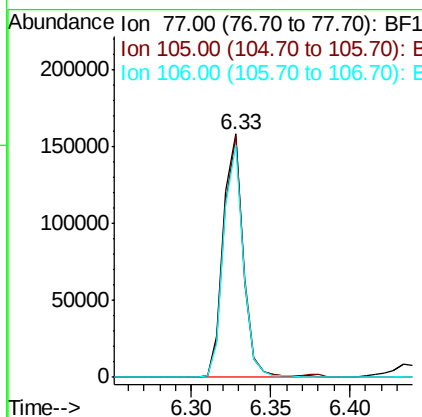
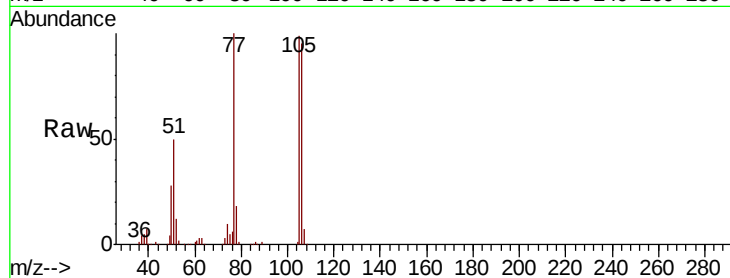
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Tot Ion:	77	Resp:	137805
Ion	Ratio	Lower	Upper
77	100		
105	99.1	80.8	120.8
106	95.1	75.4	115.4

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#10

Phenol

Concen: 41.102 ng

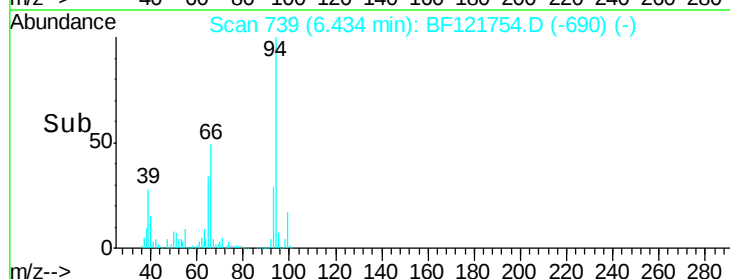
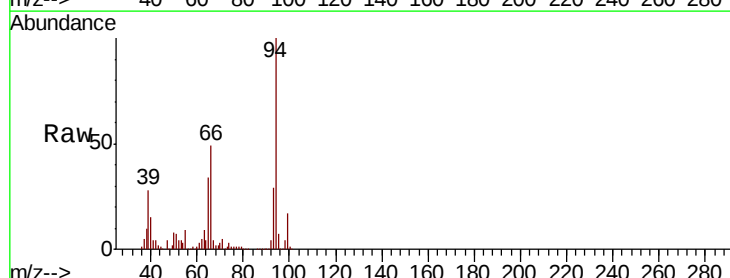
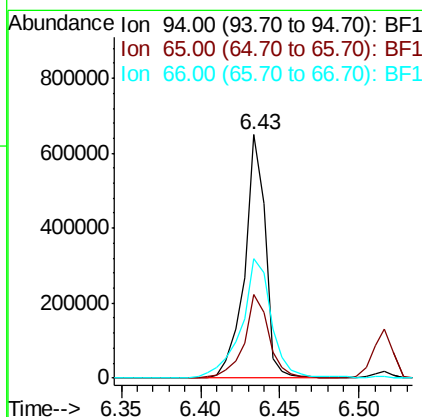
RT: 6.43 min Scan# 739

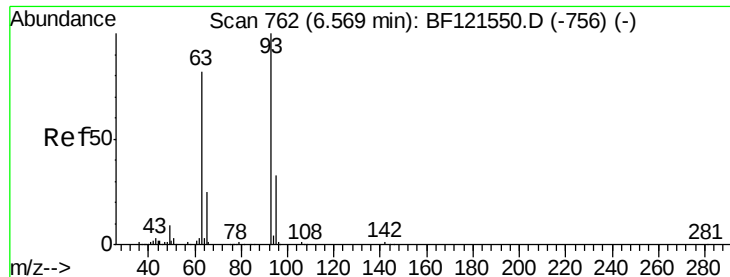
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	94	Resp:	585546
Ion	Ratio	Lower	Upper
94	100		
65	34.1	18.9	58.9
66	49.1	40.4	80.4





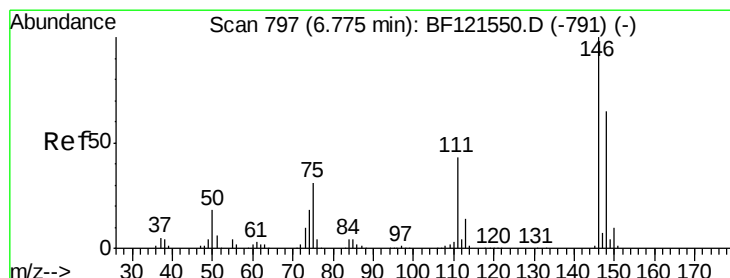
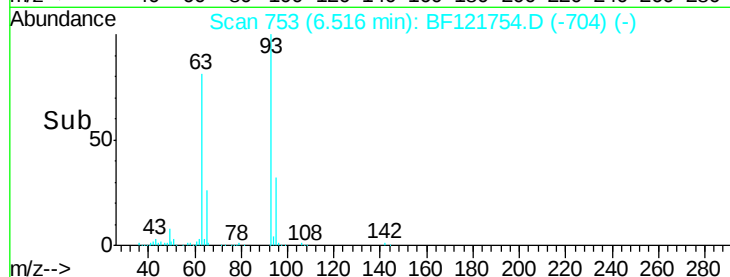
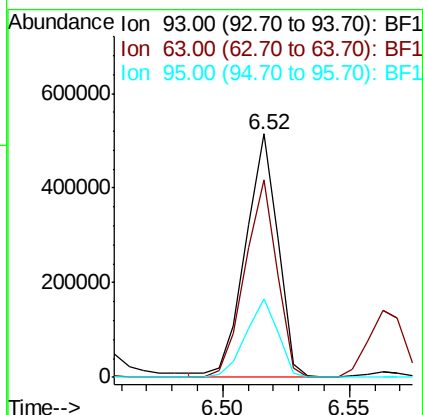
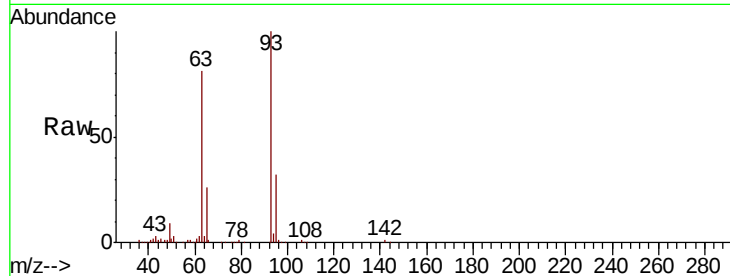
#11
bis(2-Chloroethyl)ether
Concen: 42.386 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.2	59.8	99.8
95	32.3	12.4	52.4

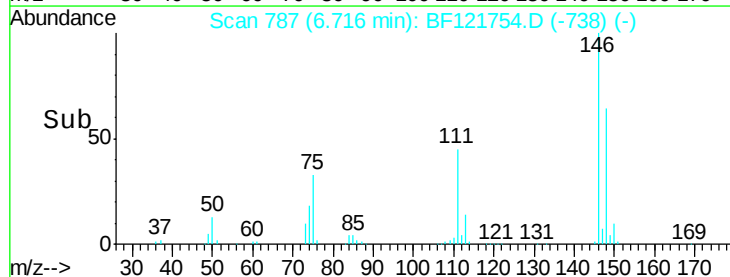
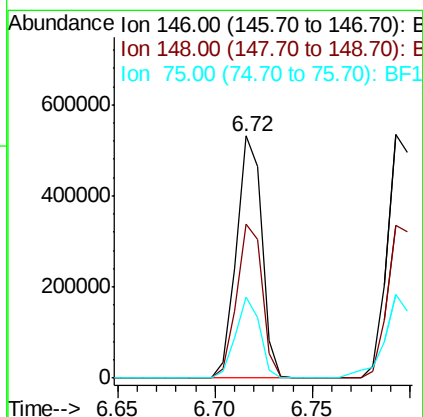
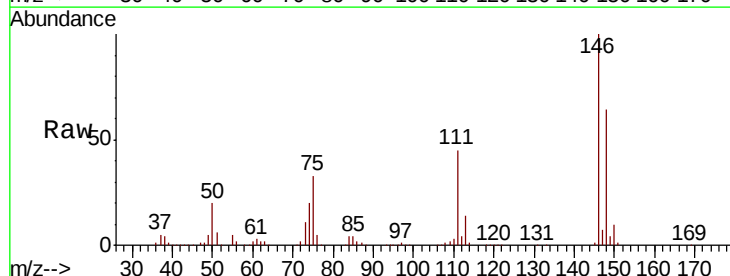
Manual Integrations
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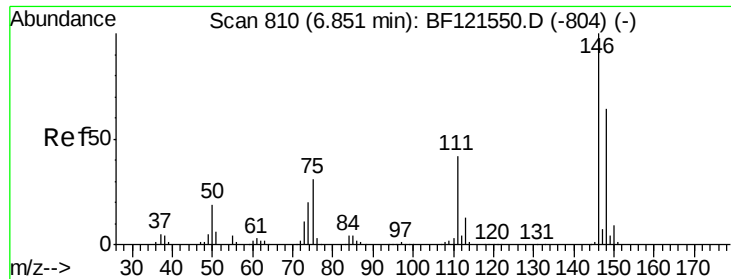
mohammad
10/1/2020 1:32:35 PM



#12
1,3-Dichlorobenzene
Concen: 41.409 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.9	76.3
75	33.4	25.3	37.9





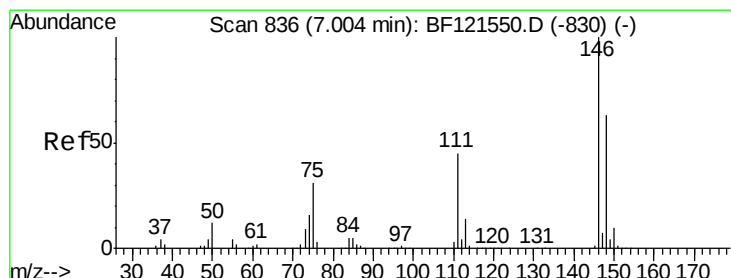
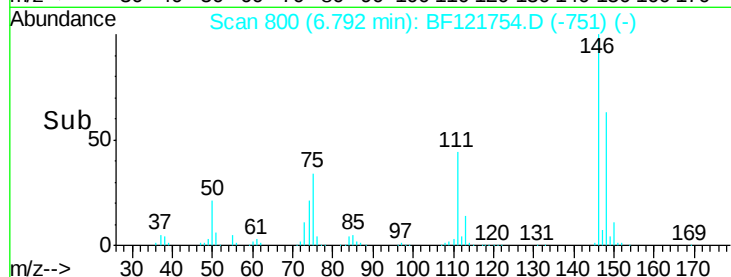
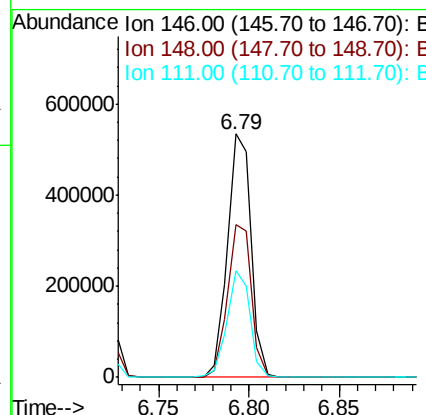
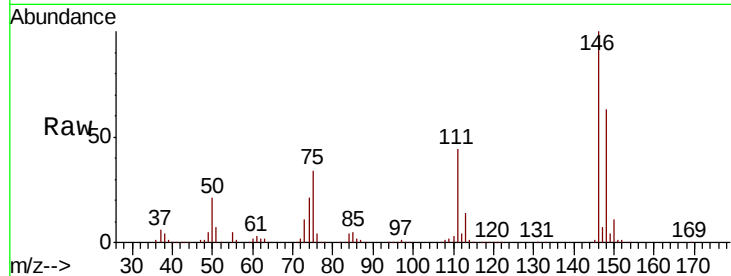
#13
1,4-Dichlorobenzene
Concen: 41.638 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.5	77.3
111	43.7	34.8	52.2

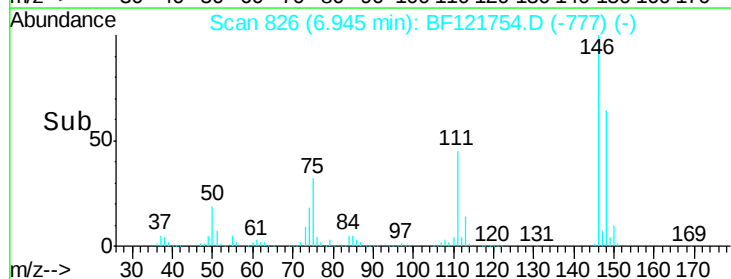
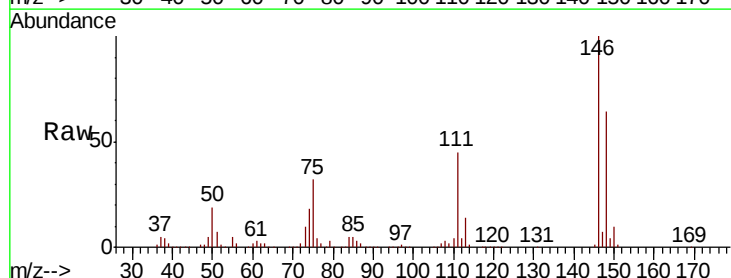
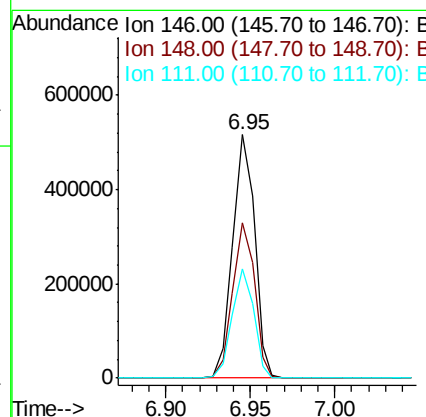
Manual Integrations
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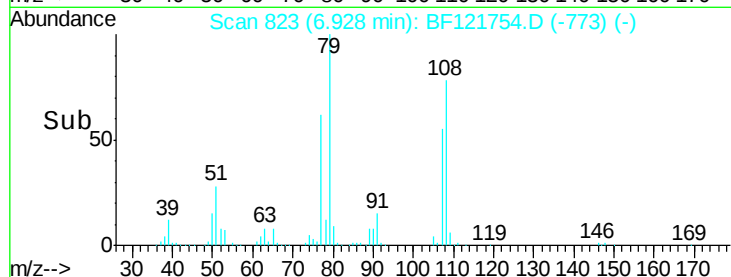
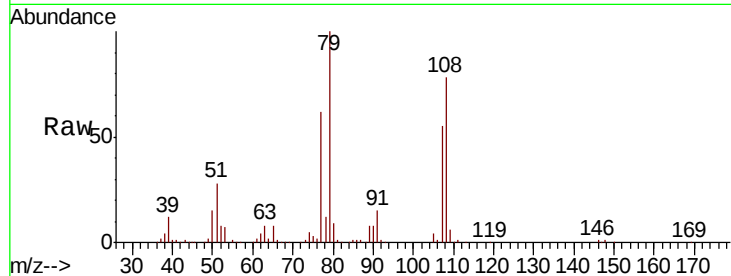
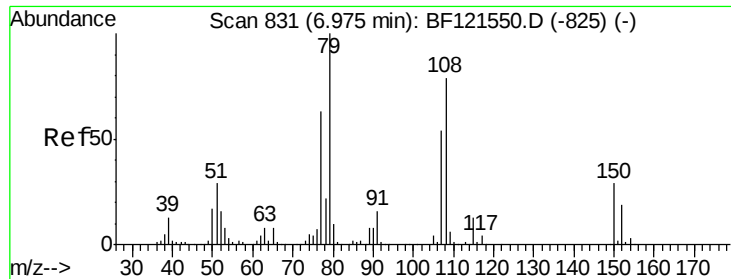
mohammad
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#14
1,2-Dichlorobenzene
Concen: 43.673 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
111	44.8	36.6	54.8





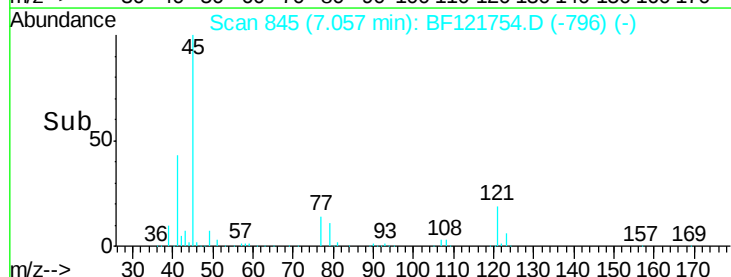
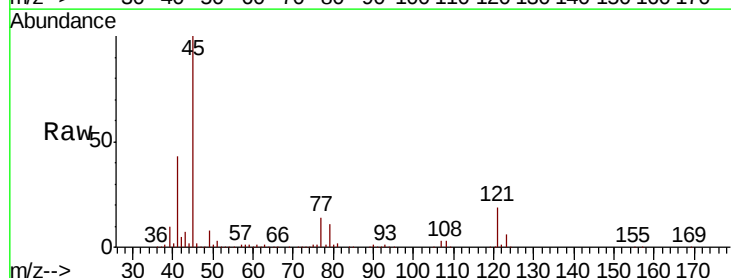
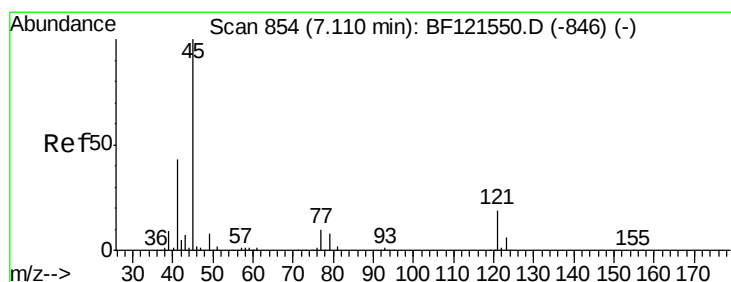
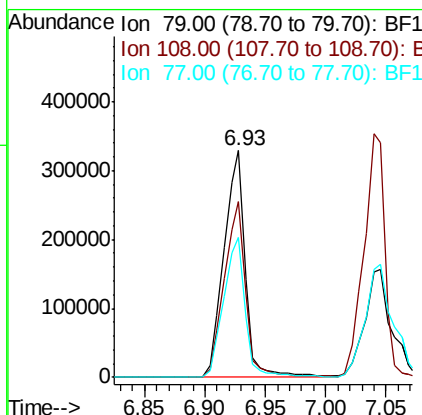
#15
Benzyl Alcohol
Concen: 44.494 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	77.8	60.2	90.2		
77	61.9	51.0	76.4		

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

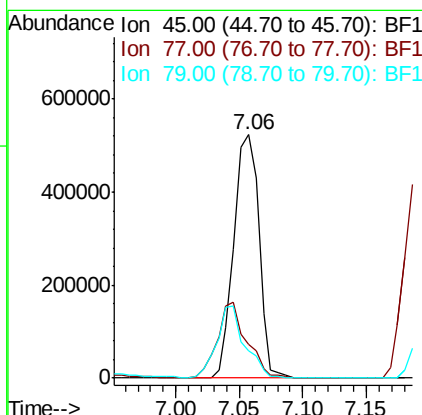
Manual Integrations
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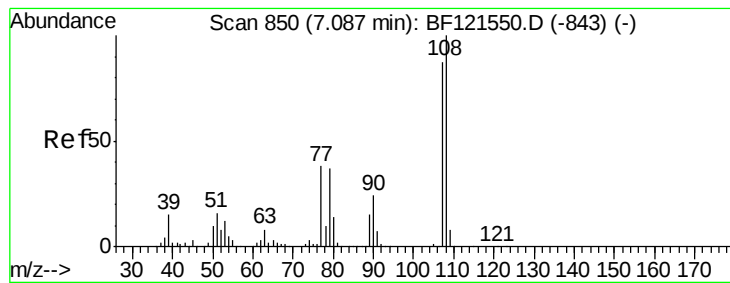
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.494 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	14.1	0.0	33.3		
79	11.1	0.0	30.8		





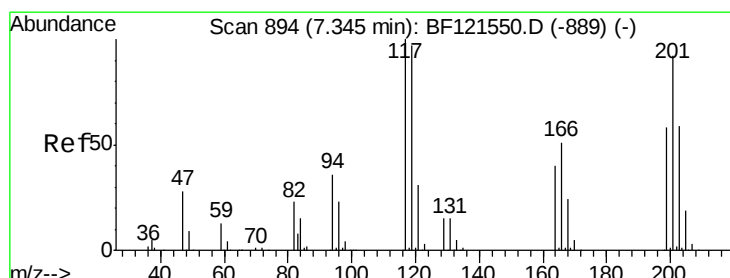
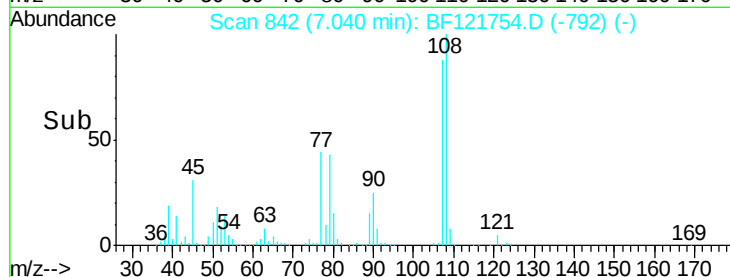
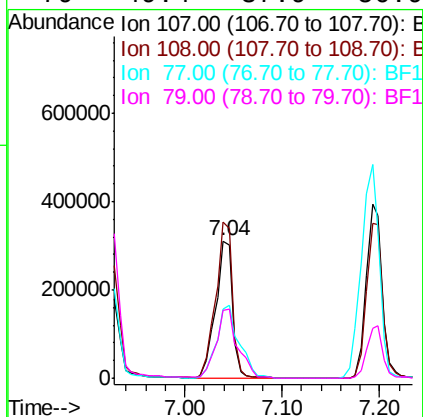
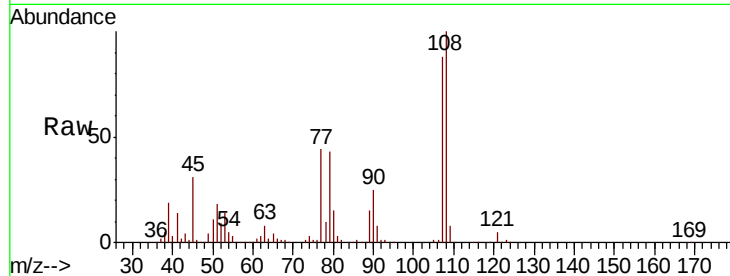
#17
2-Methylphenol
Concen: 42.735 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.0	91.7	137.5	
77	50.4	38.4	57.6	
79	49.4	37.9	56.9	

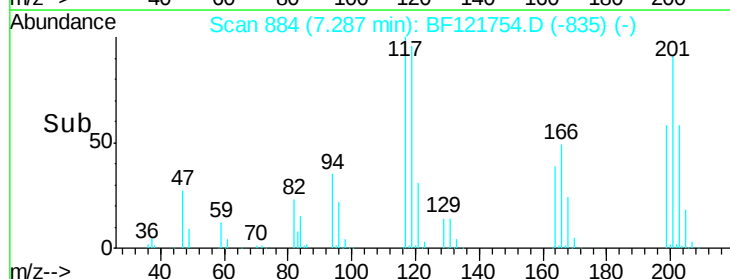
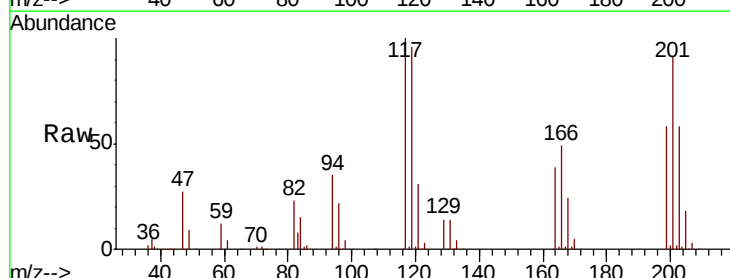
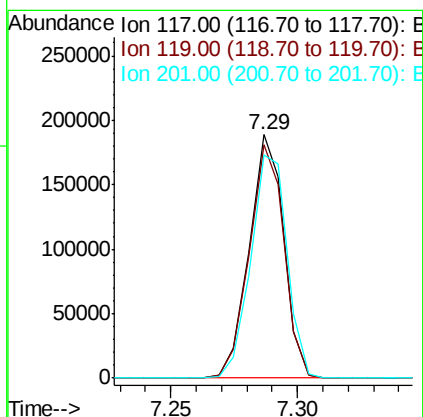
Manual Integrations
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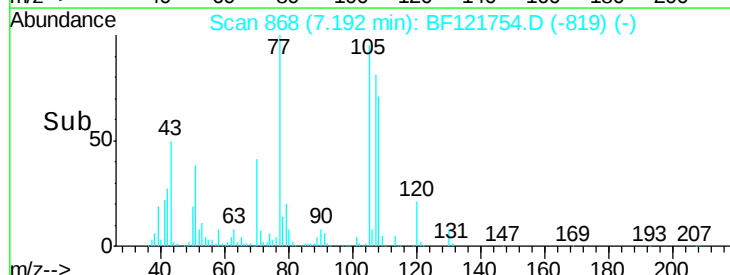
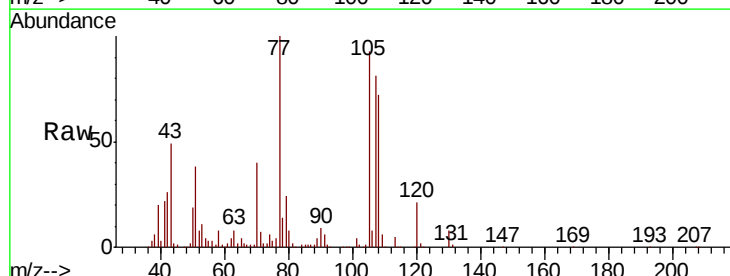
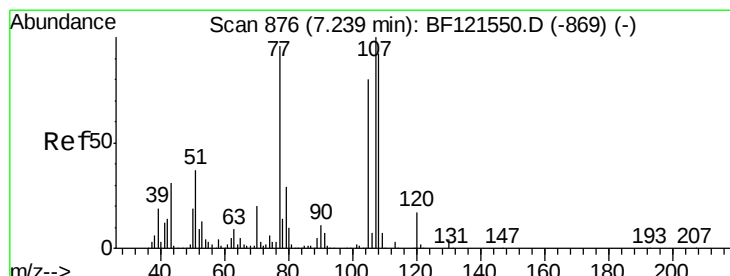
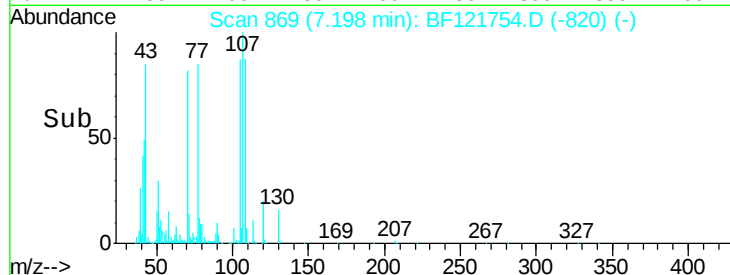
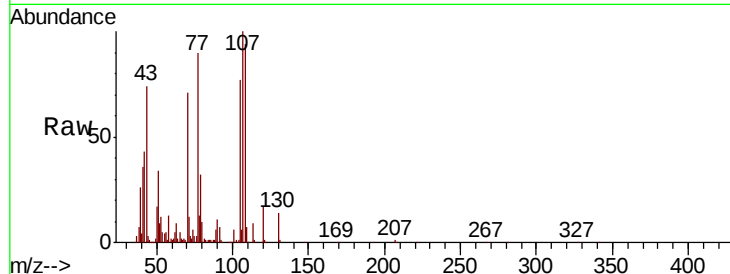
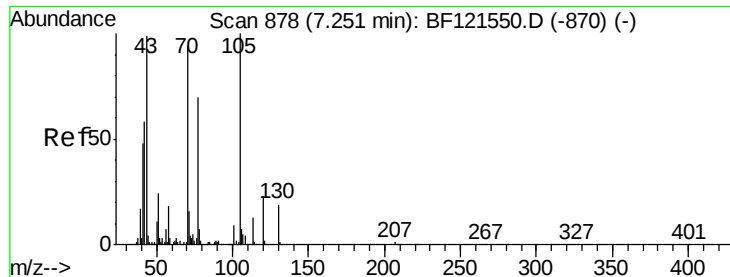
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#18
Hexachloroethane
Concen: 42.819 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	76.8	115.2	
201	91.4	77.4	116.0	





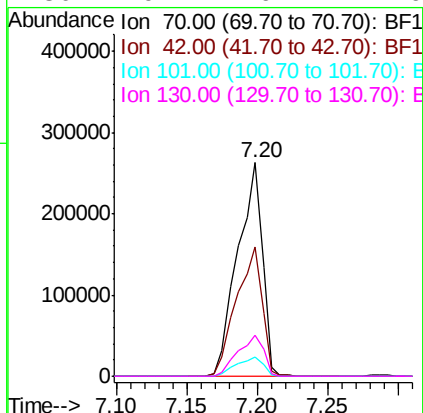
#19
n-Nitroso-di-n-propylamine
Concen: 42.022 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	60.7	48.6	73.0	
101	9.0	7.5	11.3	
130	19.4	16.4	24.6	

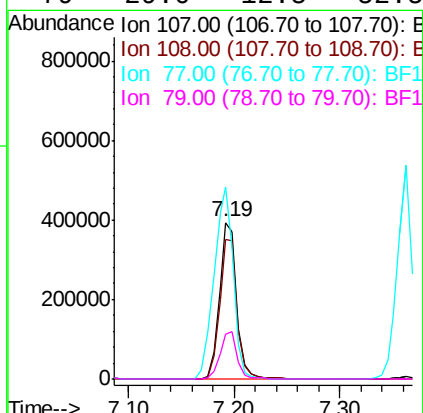
Manual Integrations
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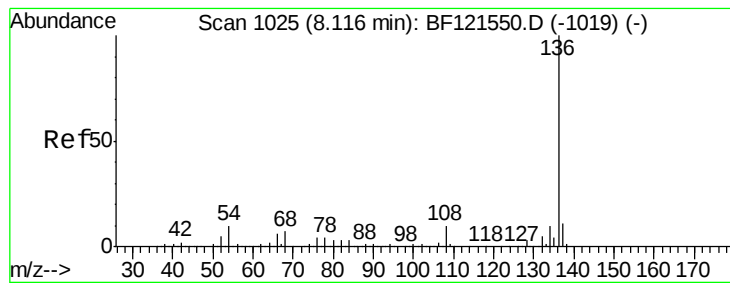
mohammad
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#20
3+4-Methylphenols
Concen: 41.946 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.7	71.6	111.6	
77	122.7	101.6	141.6	
79	29.0	12.5	52.5	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

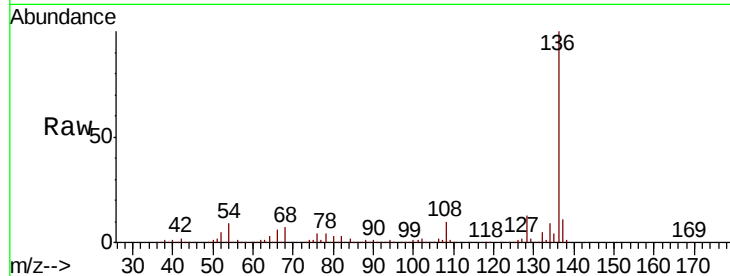
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.9	7.8	11.8
68	6.9	5.6	8.4

Manual Integrations
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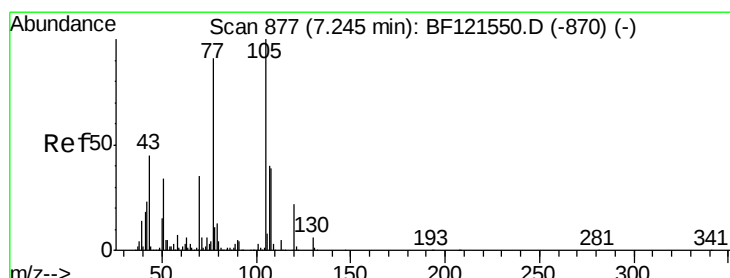
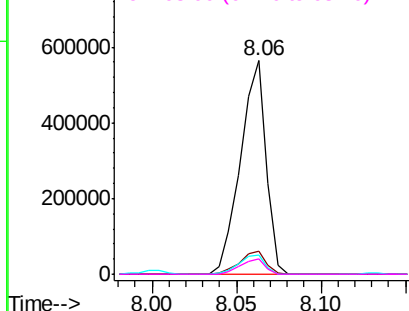
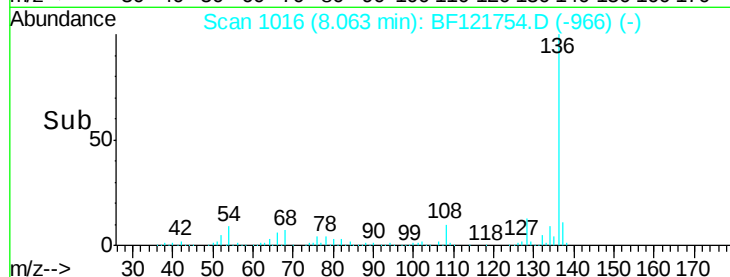
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 39.605 ng

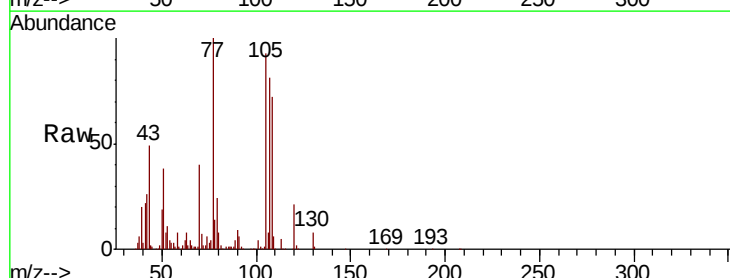
RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.5	5.8	8.8
51	41.1	31.9	47.9
120	22.3	17.6	26.4



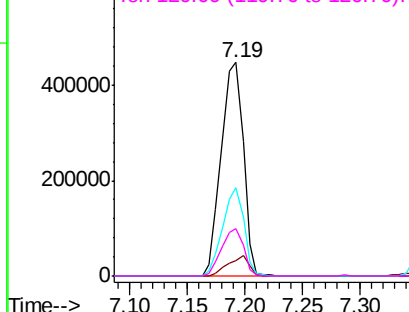
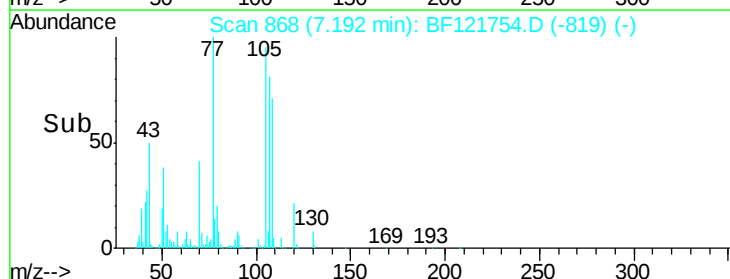
Abundance

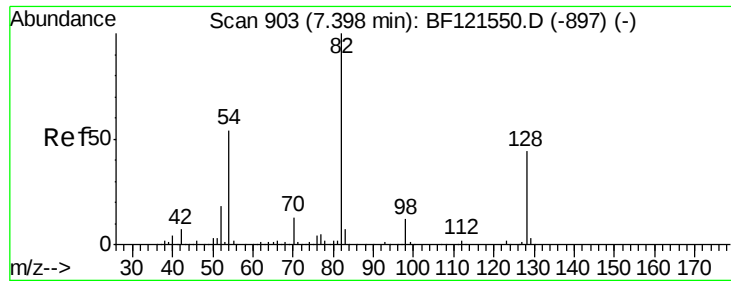
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





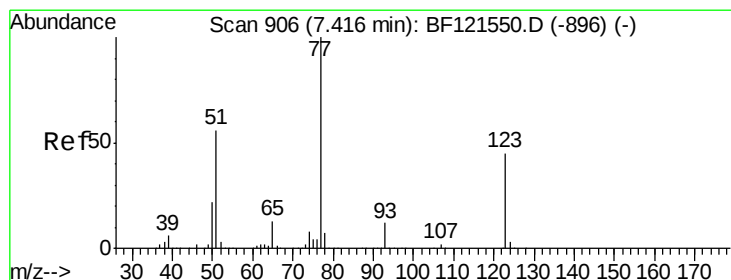
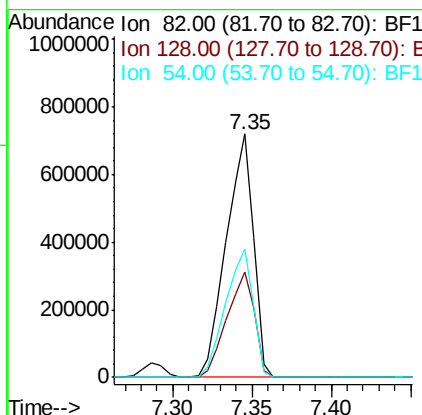
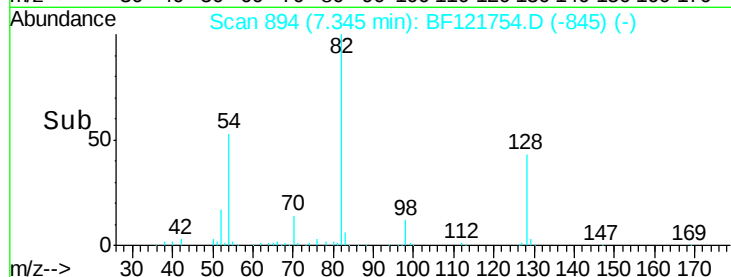
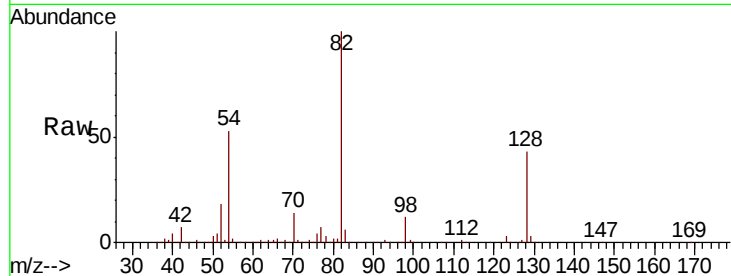
#23
Nitrobenzene-d5
Concen: 76.737 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion:	82	Resp:	855837
Ion Ratio	Lower	Upper	
82	100		
128	43.2	35.0	52.4
54	52.9	42.5	63.7

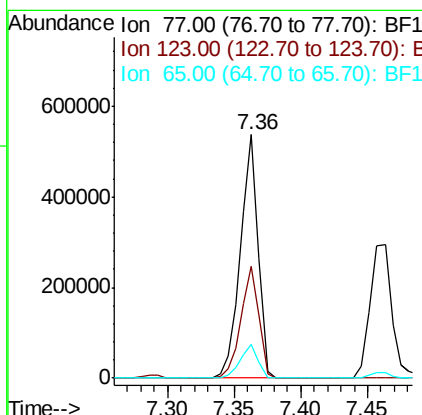
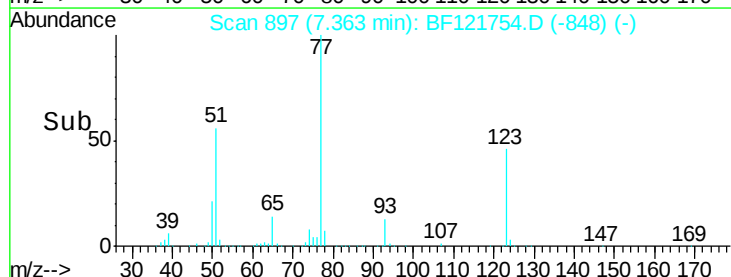
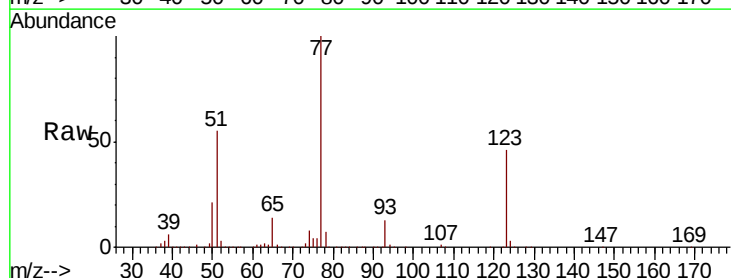
Manual Integrations
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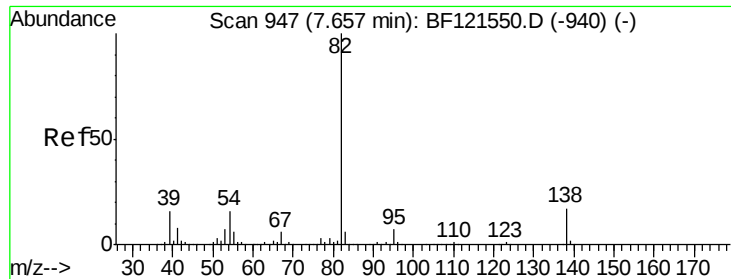
mohammad
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#24
Nitrobenzene
Concen: 41.267 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion:	77	Resp:	497778
Ion Ratio	Lower	Upper	
77	100		
123	45.7	37.6	56.4
65	13.8	11.1	16.7





#25

Isophorone

Concen: 41.063 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

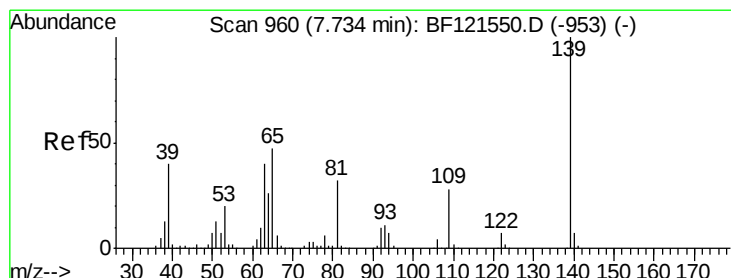
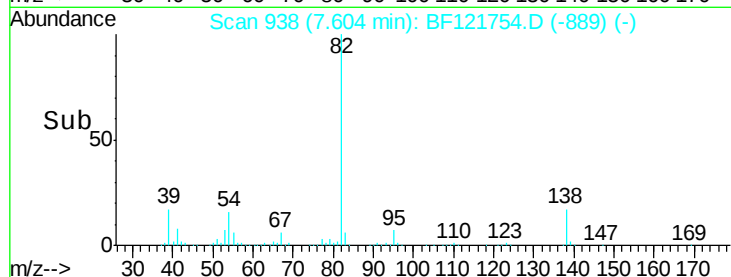
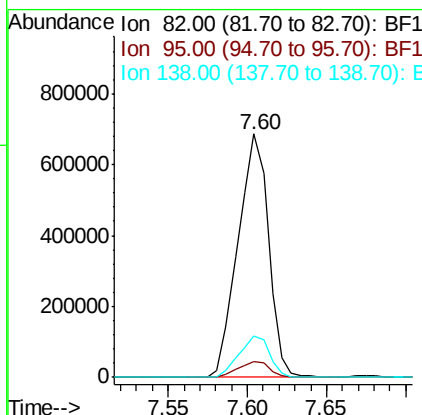
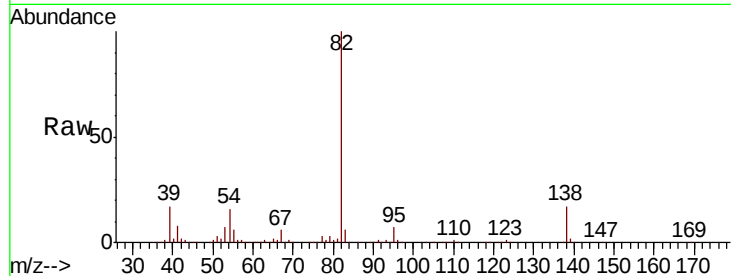
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	82	Resp:	921897
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.6	8.4
138	16.9	13.9	20.9

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#26

2-Nitrophenol

Concen: 42.714 ng

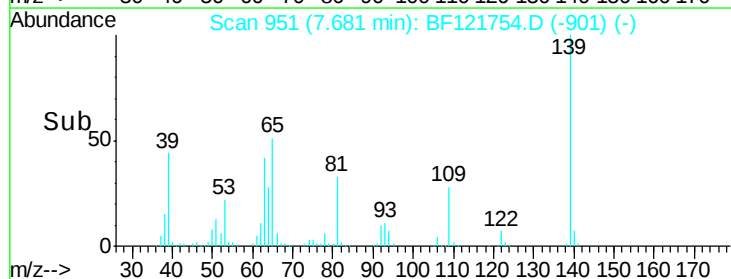
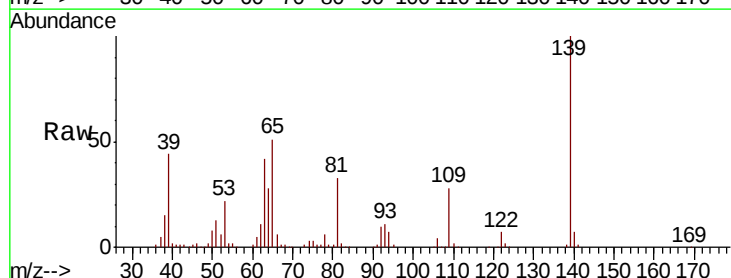
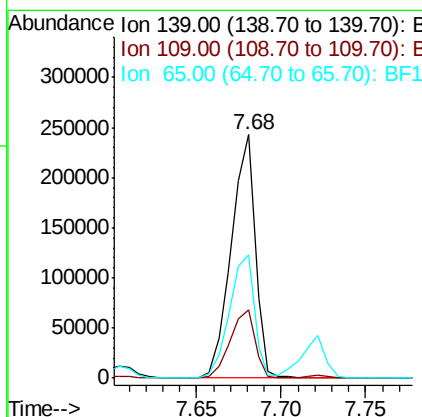
RT: 7.68 min Scan# 951

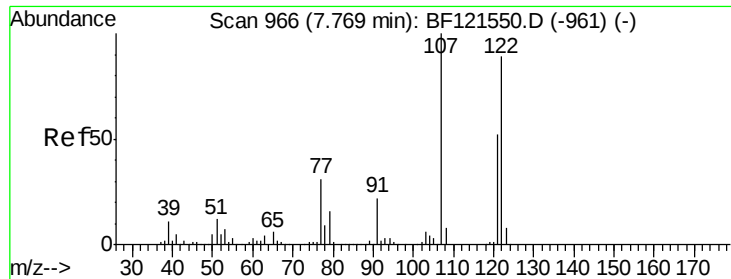
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	139	Resp:	240865
Ion Ratio	Lower	Upper	
139	100		
109	28.0	24.1	36.1
65	50.7	43.8	65.8





#27

2,4-Dimethylphenol

Concen: 40.648 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

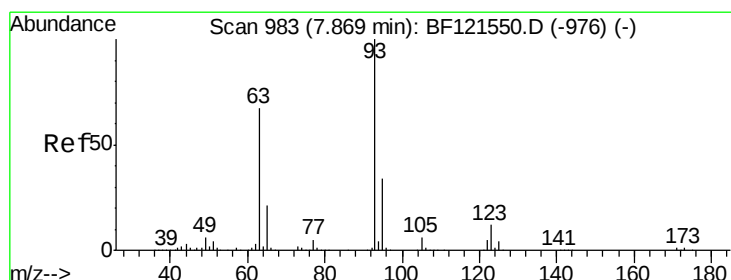
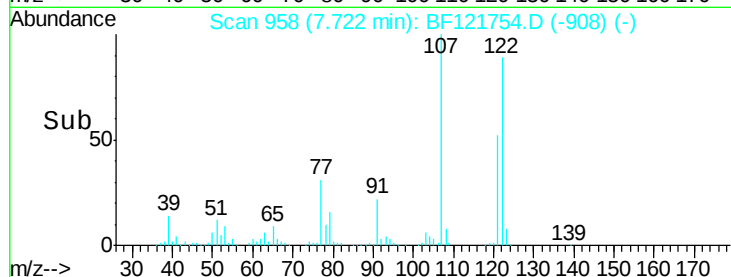
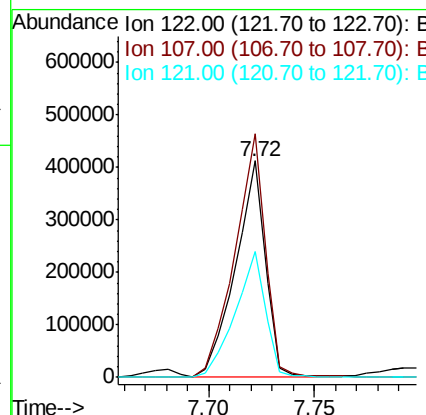
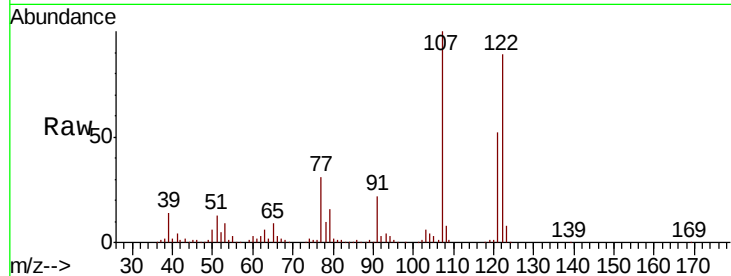
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	122	Resp:	407361
Ion Ratio	Lower	Upper	
122	100		
107	112.4	92.3	138.5
121	58.0	46.8	70.2

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#28

bis(2-Chloroethoxy)methane

Concen: 41.414 ng

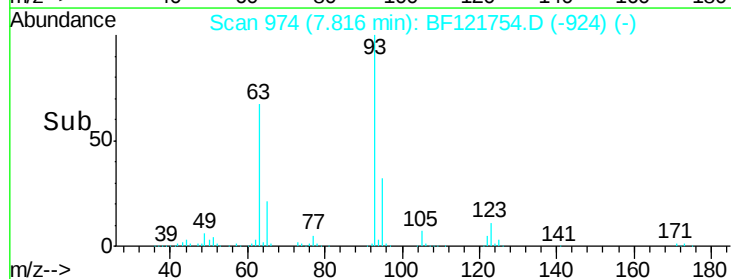
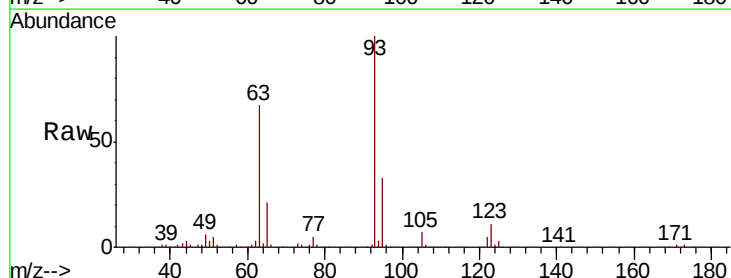
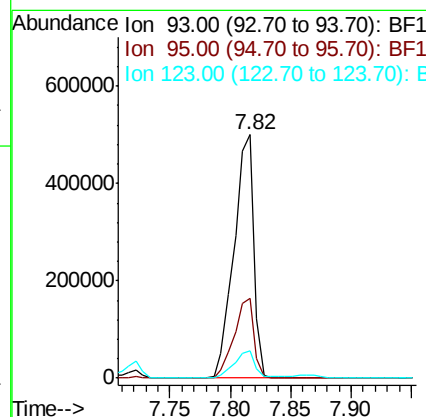
RT: 7.82 min Scan# 974

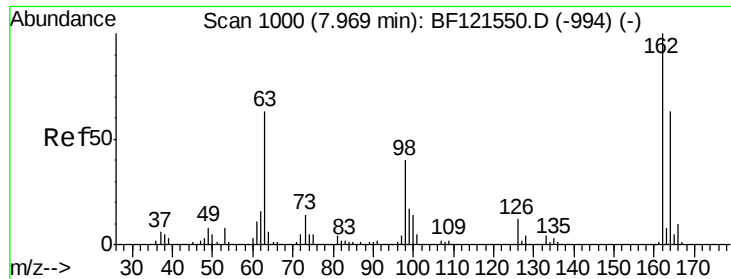
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	93	Resp:	575603
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.1	39.1
123	11.4	8.7	13.1





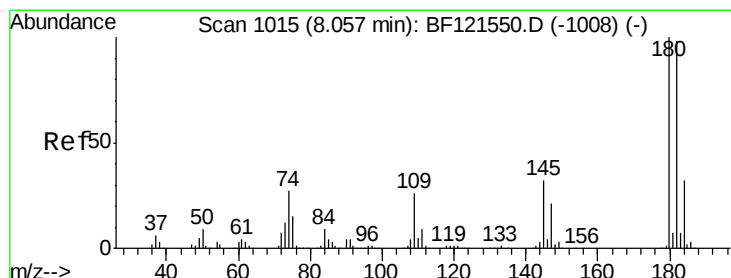
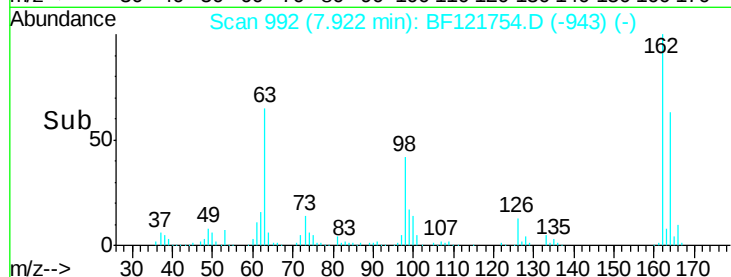
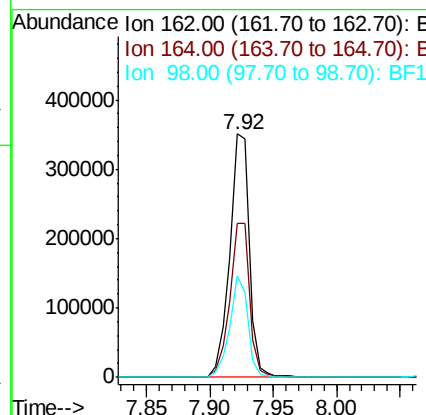
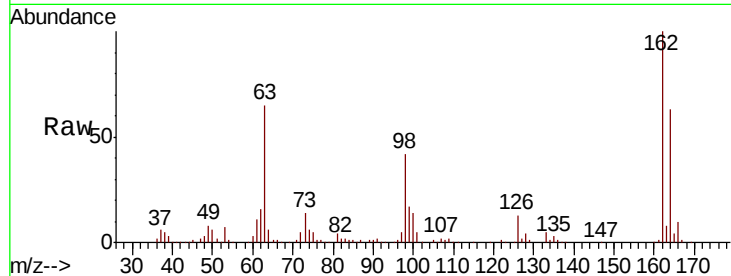
#29
 2,4-Dichlorophenol
 Concen: 41.337 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Tot Ion:	162	Resp:	377311
Ion Ratio	Lower	Upper	
162	100		
164	63.0	44.2	84.2
98	41.5	18.5	58.5

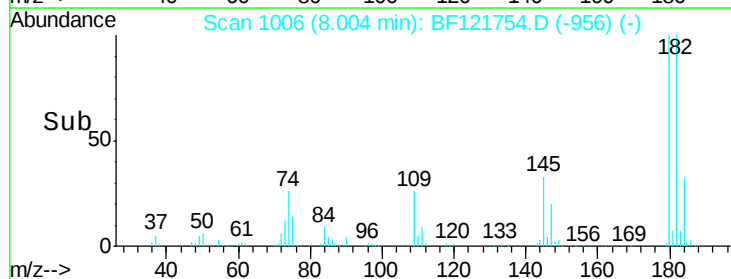
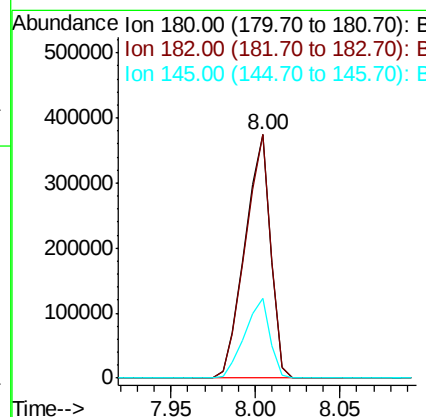
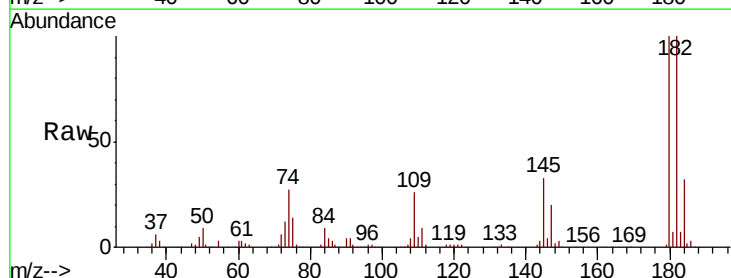
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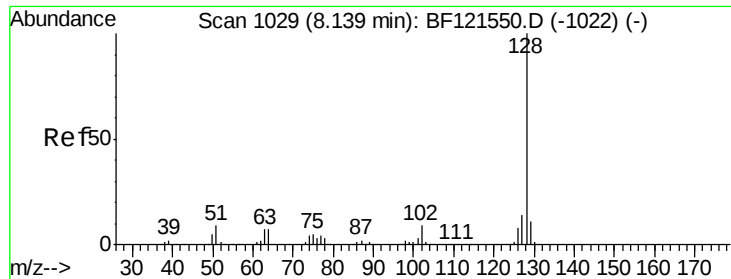
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.362 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Tgt Ion:	180	Resp:	397621
Ion Ratio	Lower	Upper	
180	100		
182	100.1	78.6	117.8
145	32.6	26.3	39.5





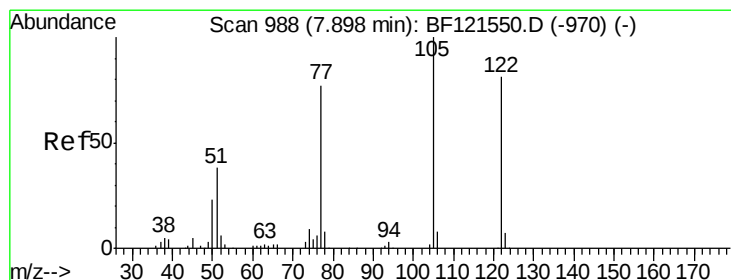
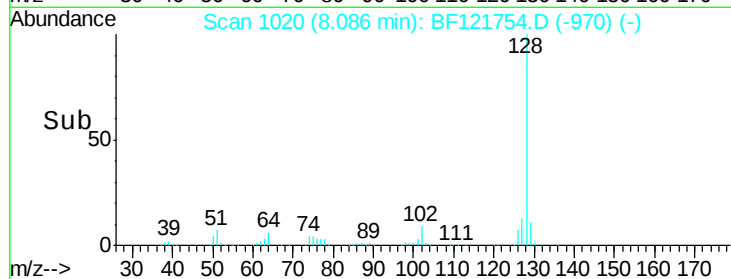
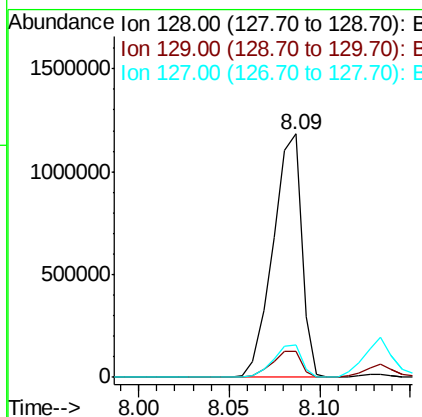
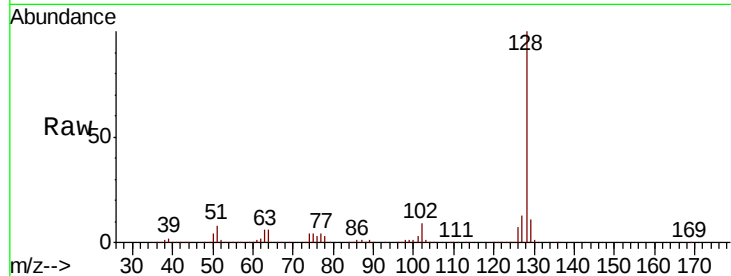
#31
Naphthalene
Concen: 41.158 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	13.3	10.9	16.3

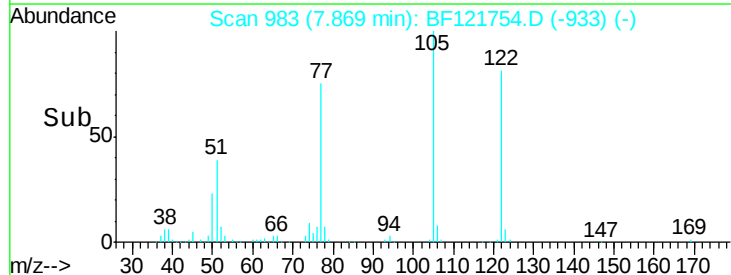
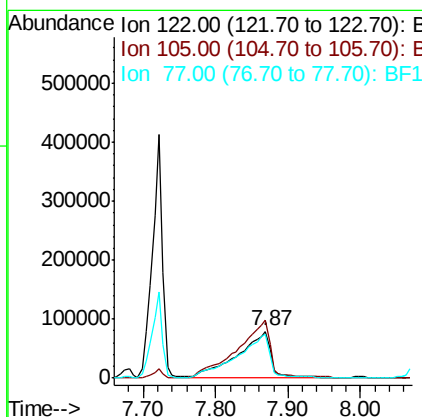
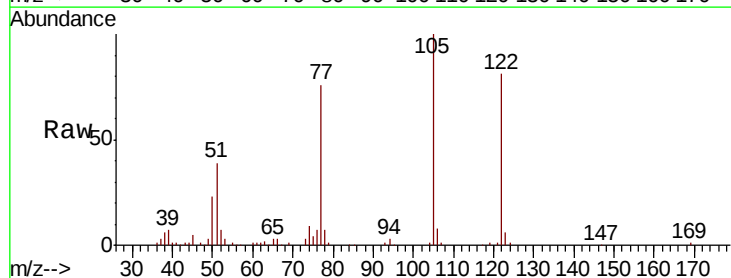
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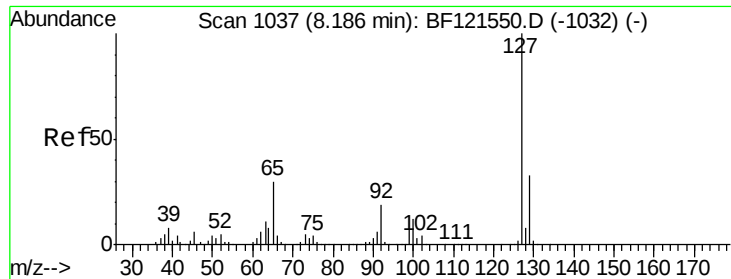
mohammad
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#32
Benzoic acid
Concen: 35.498 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.4	103.8	143.8
77	93.7	75.8	115.8





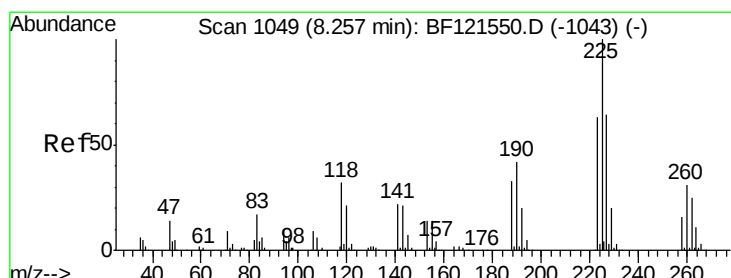
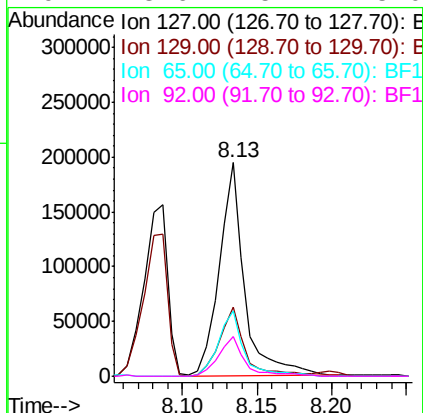
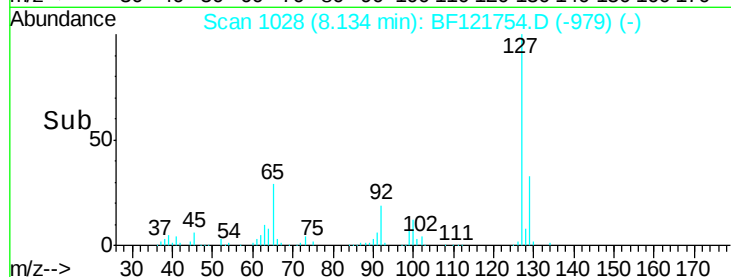
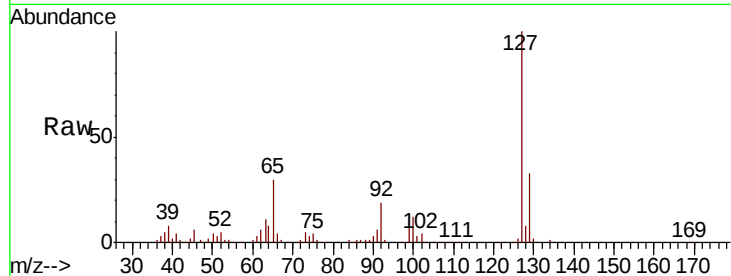
#33
4-Chloroaniline
Concen: 16.861 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.2	39.2		
65	30.5	24.2	36.2		
92	18.6	15.4	23.0		

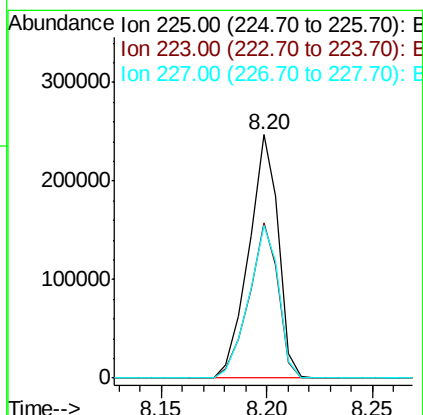
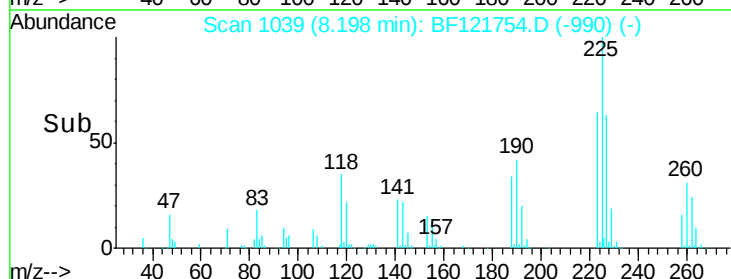
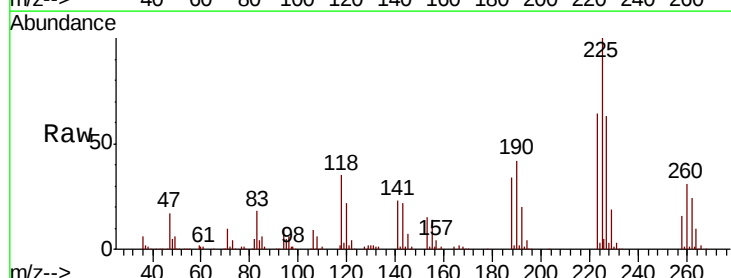
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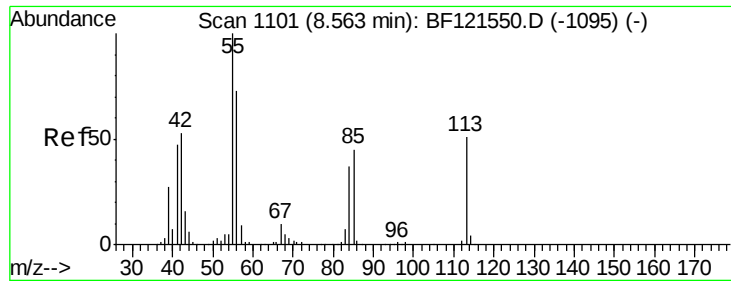
mohammad
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#34
Hexachlorobutadiene
Concen: 42.564 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.6	50.5	75.7		
227	62.9	51.0	76.4		





#35

Caprolactam

Concen: 40.213 ng/ml

RT: 8.52 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

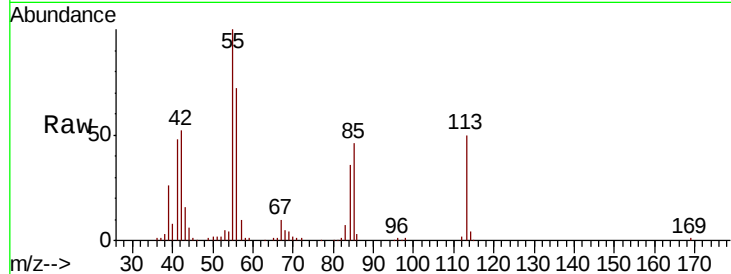
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	198.9	170.7	210.7
56	142.3	122.1	162.1

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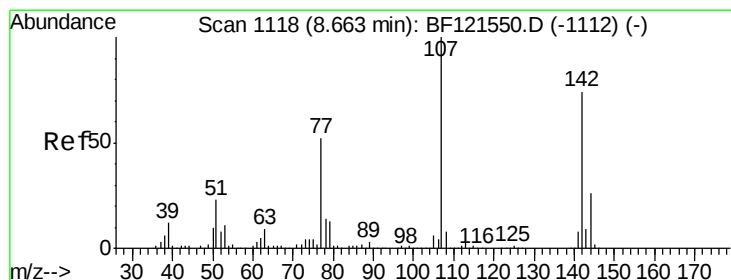
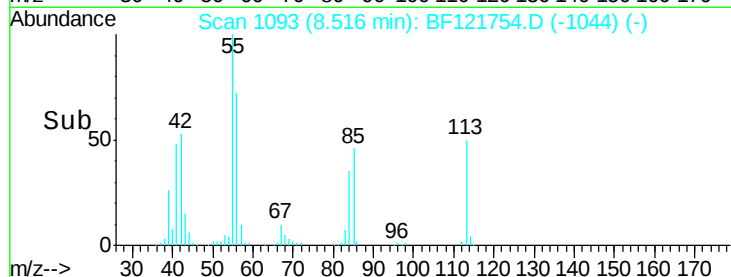
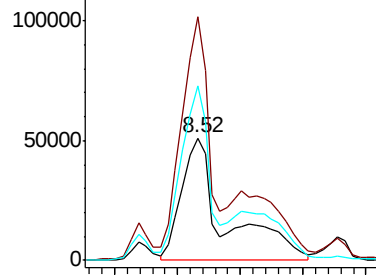
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 42.547 ng/ml

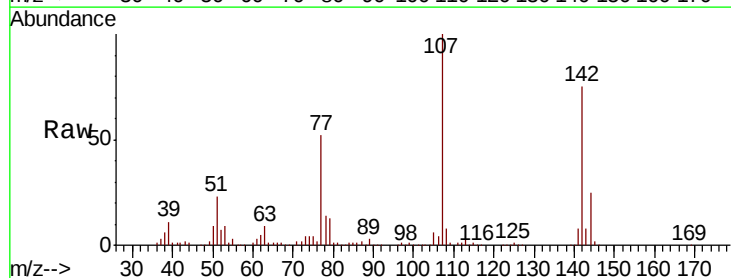
RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

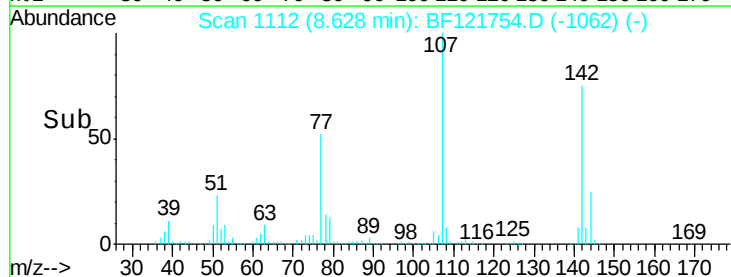
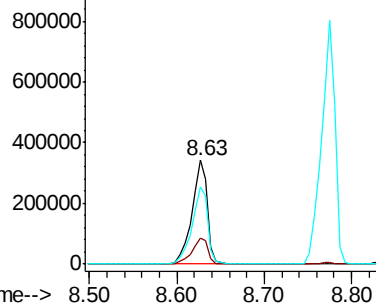
Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.2	31.8
142	74.8	62.2	93.2

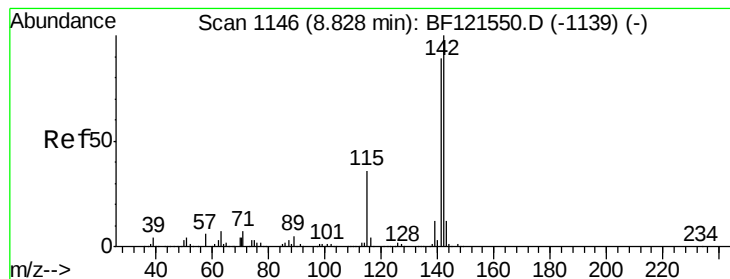


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 41.745 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

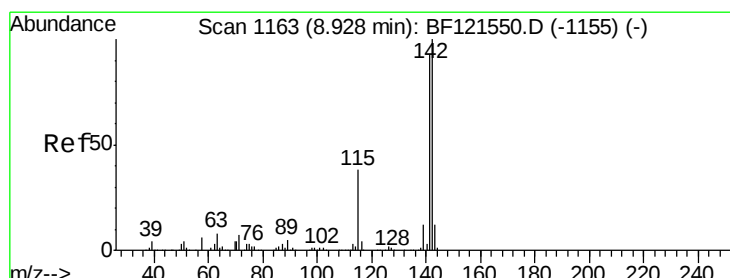
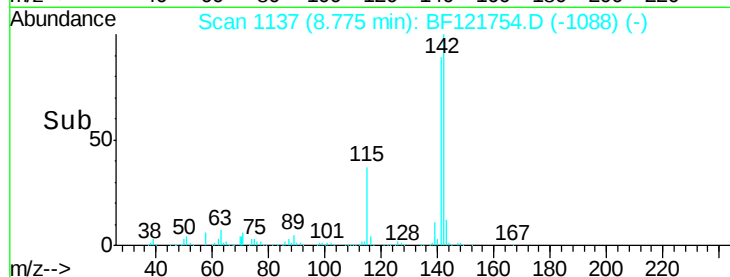
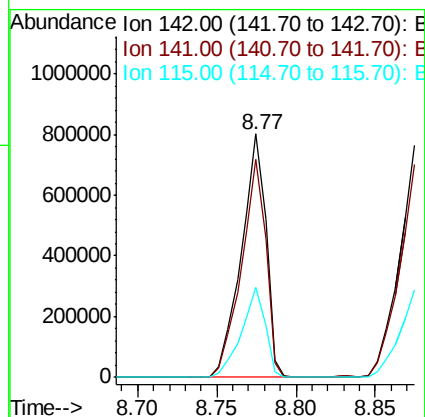
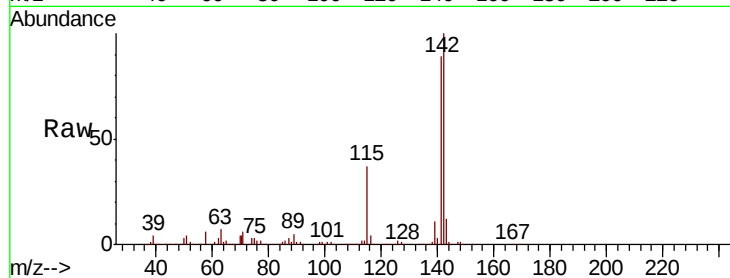
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	142	Resp:	864775
Ion Ratio	Lower	Upper	
142	100		
141	89.3	70.1	105.1
115	36.7	28.0	42.0

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#38

1-Methylnaphthalene

Concen: 41.373 ng

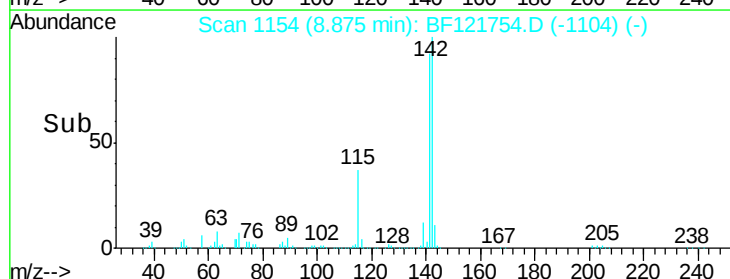
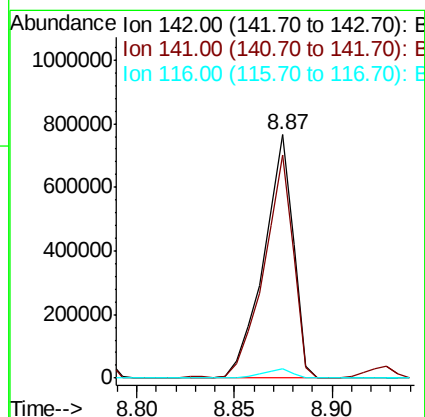
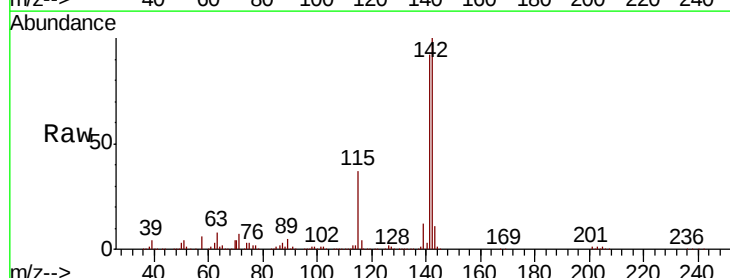
RT: 8.87 min Scan# 1154

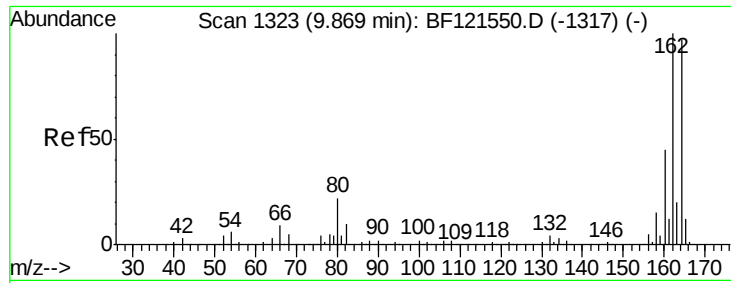
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	142	Resp:	797653
Ion Ratio	Lower	Upper	
142	100		
141	91.8	73.2	109.8
116	3.9	3.2	4.8





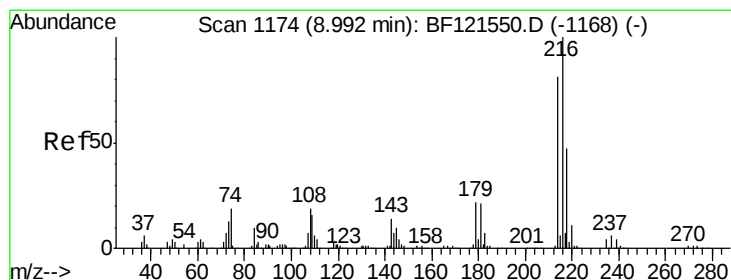
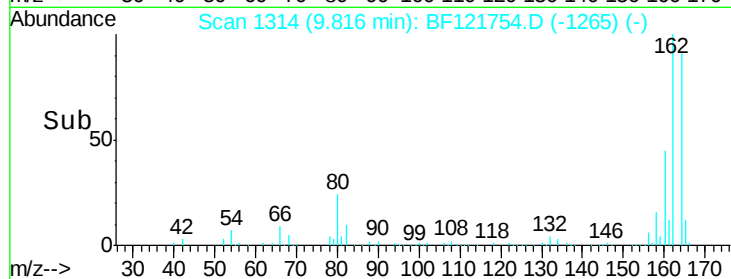
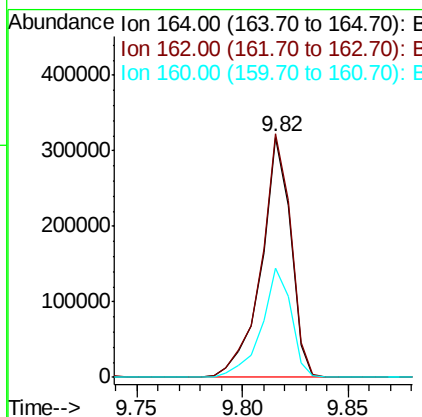
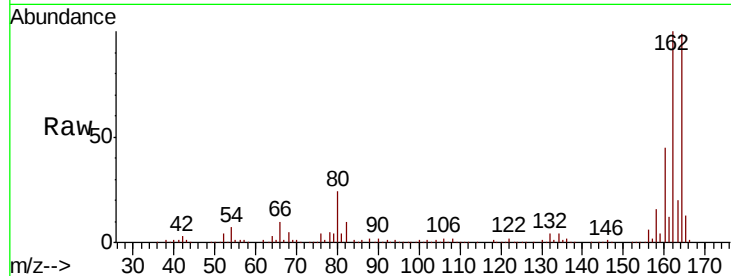
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	80.6	121.0	
160	45.8	36.9	55.3	

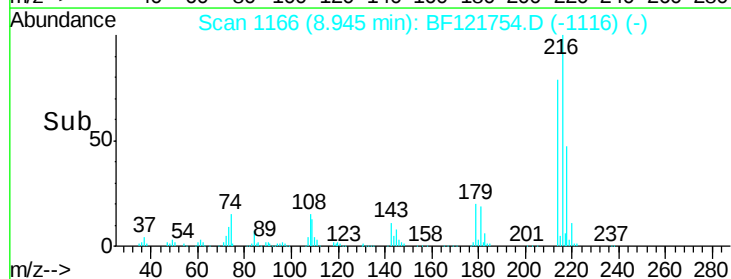
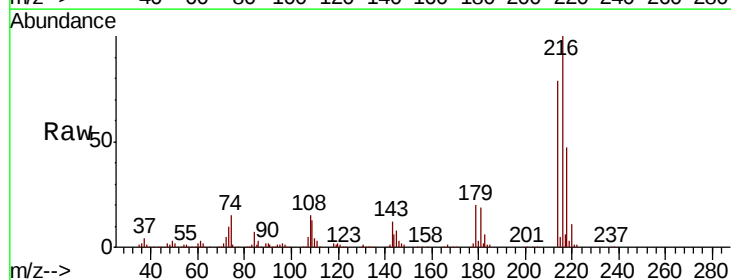
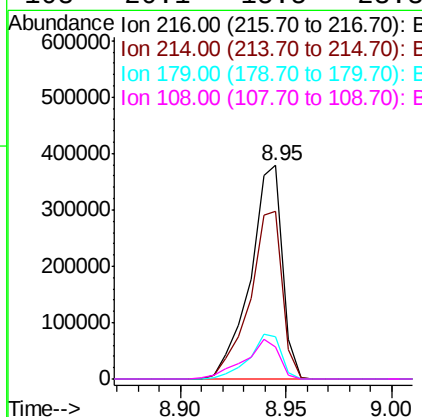
Manual Integrations
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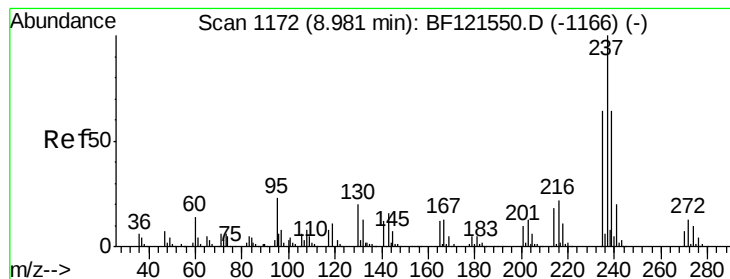
mohammad
10/1/2020 1:32:35 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.772 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.4	64.0	96.0	
179	20.8	16.8	25.2	
108	20.1	15.5	23.3	





#41

Hexachlorocyclopentadiene

Concen: 53.712 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

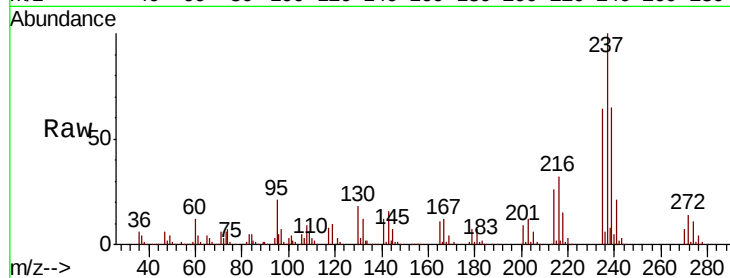
ClientSampleId :

PAV-B18-092920-10-20MS

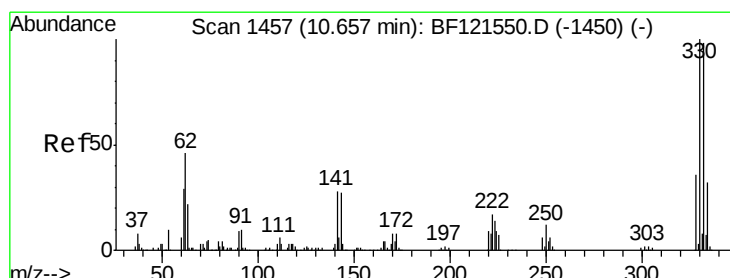
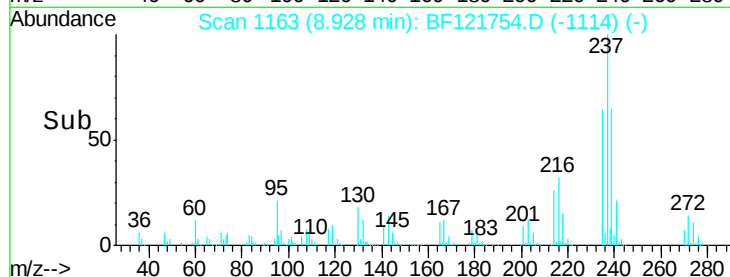
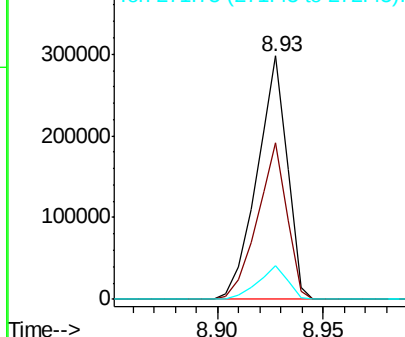
Tot Ion	Ratio	Resp	Lower	Upper
237	100	294987		
235	64.1	42.3	82.3	
272	13.8	0.0	33.4	

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 100.293 ng

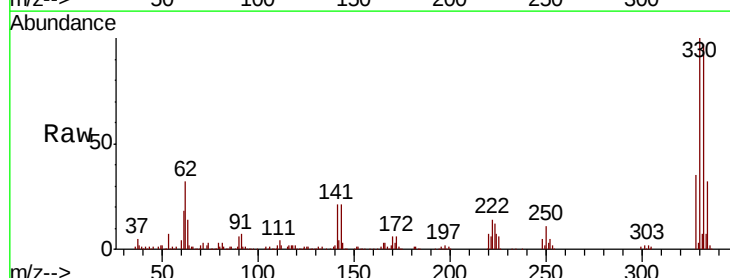
RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

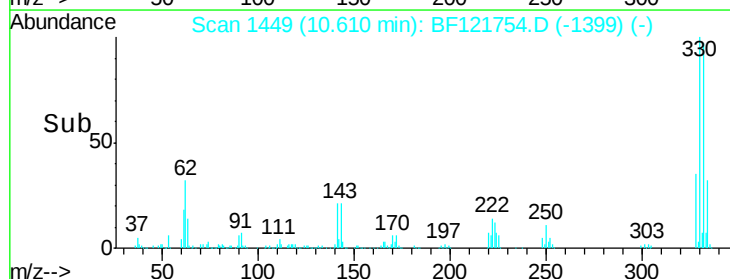
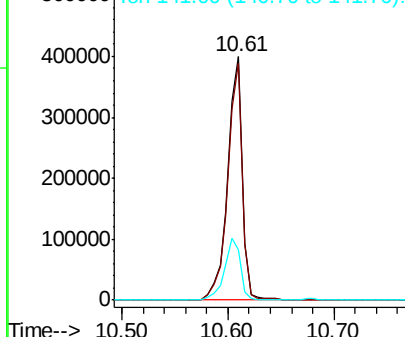
Lab File: BF121754.D

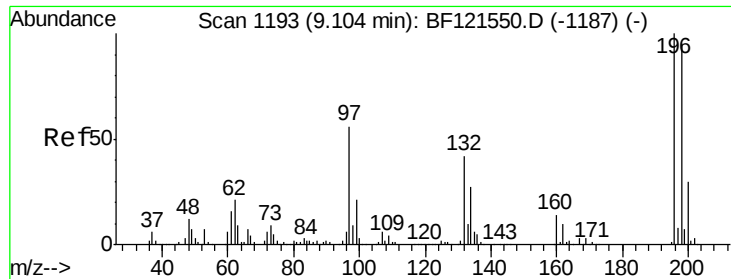
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	383765		
332	96.9	77.6	116.4	
141	27.9	22.9	34.3	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





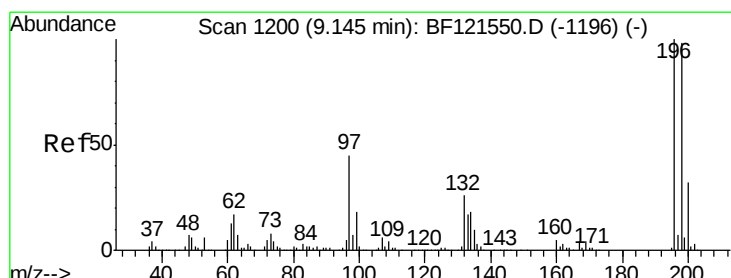
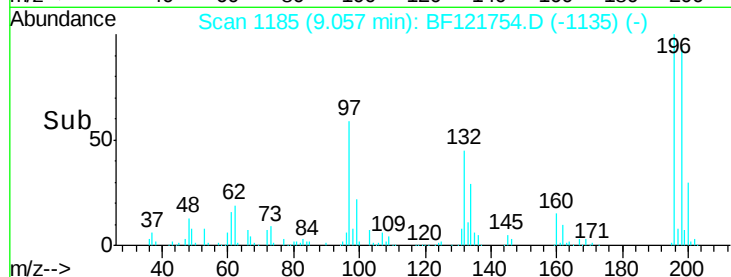
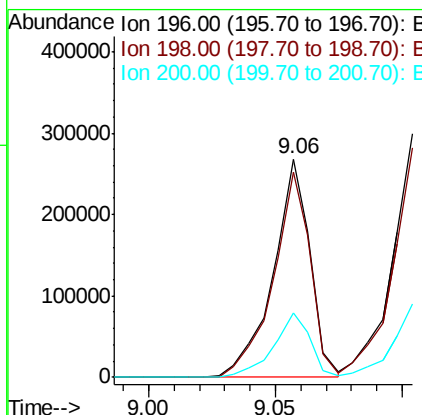
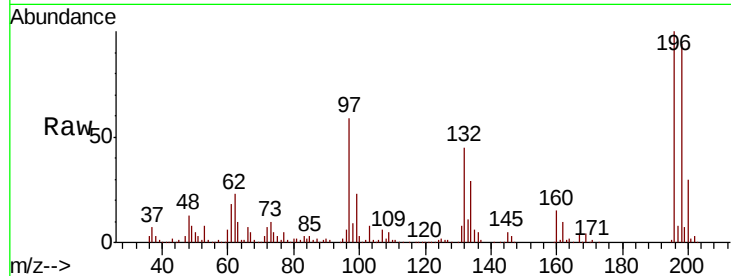
#43
 2,4,6-Trichlorophenol
 Concen: 41.514 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Tot Ion:	196	Resp:	272124
Ion Ratio	Lower	Upper	
196	100		
198	94.0	75.4	113.0
200	29.8	24.2	36.4

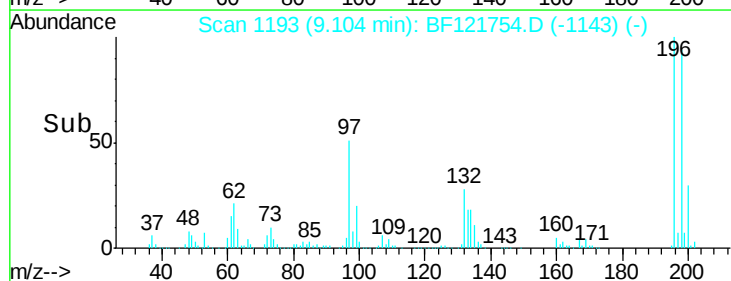
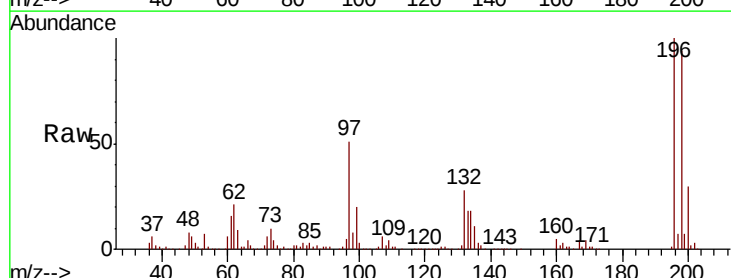
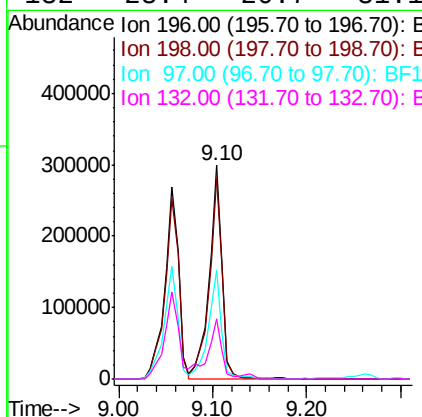
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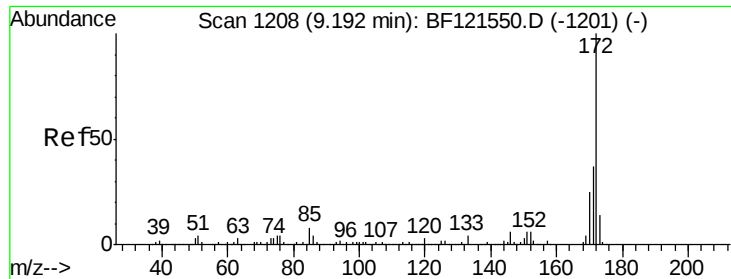
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#44
 2,4,5-Trichlorophenol
 Concen: 41.901 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Tgt Ion:	196	Resp:	290360
Ion Ratio	Lower	Upper	
196	100		
198	94.2	76.9	115.3
97	50.8	36.9	55.3
132	28.4	20.7	31.1





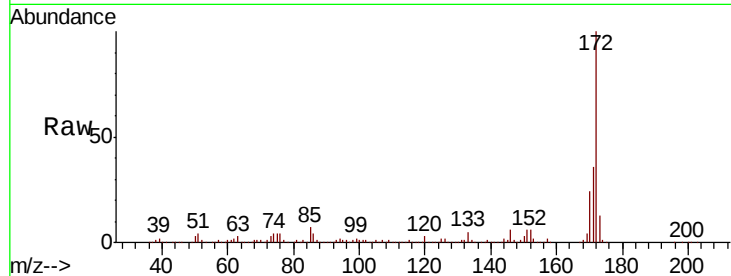
#45
2-Fluorobiphenyl
Concen: 74.707 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.2	43.8
170	24.2	19.7	29.5

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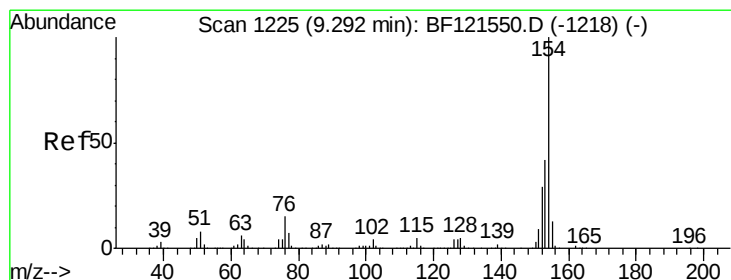
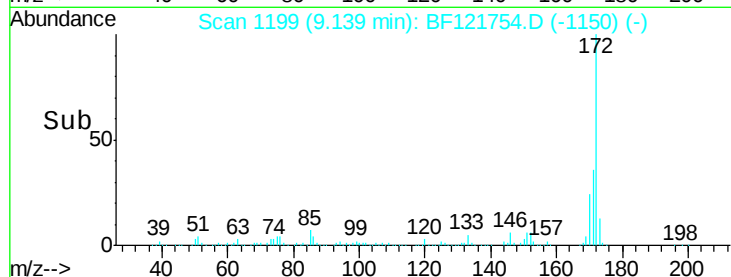
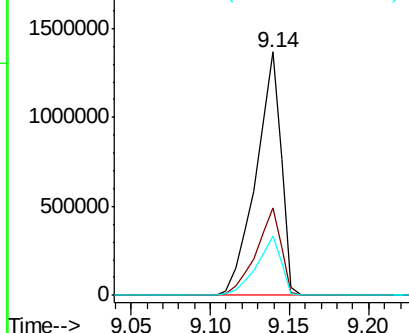


Abundance

Ion 172.00 (171.70 to 172.70): E

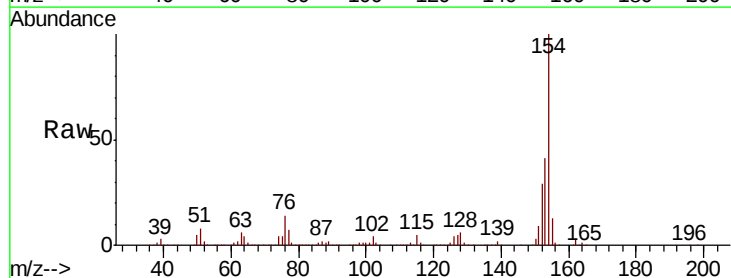
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 41.298 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.2	61.2
76	14.5	0.0	33.3

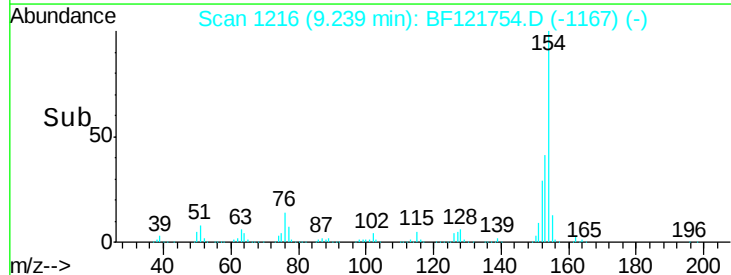
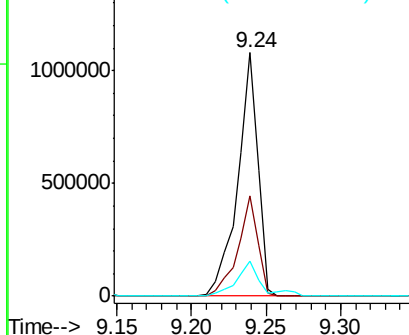


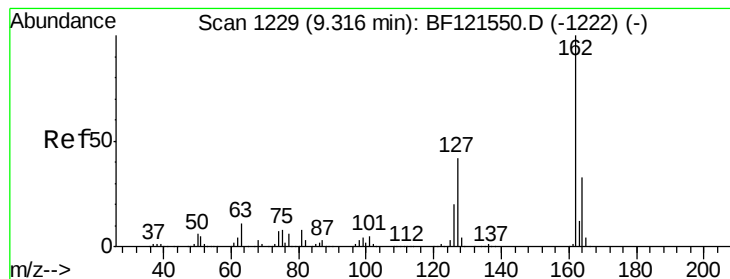
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 40.839 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

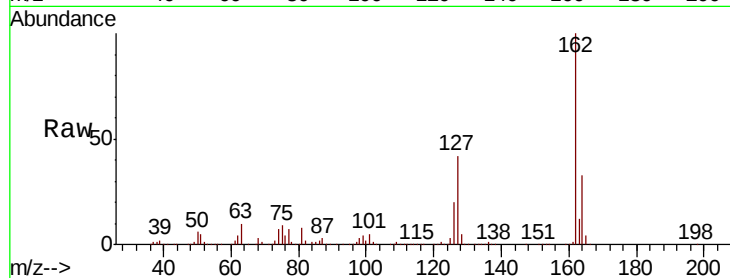
ClientSampleId :

PAV-B18-092920-10-20MS

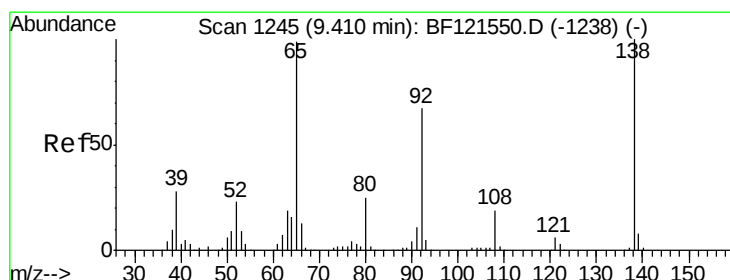
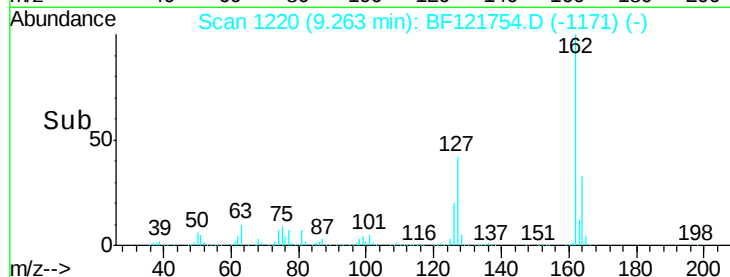
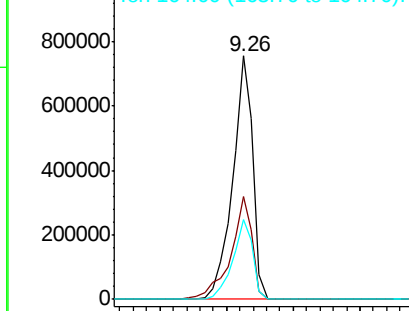
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		793199		
127	42.2	33.8	50.6		
164	32.9	26.2	39.4		

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 45.086 ng

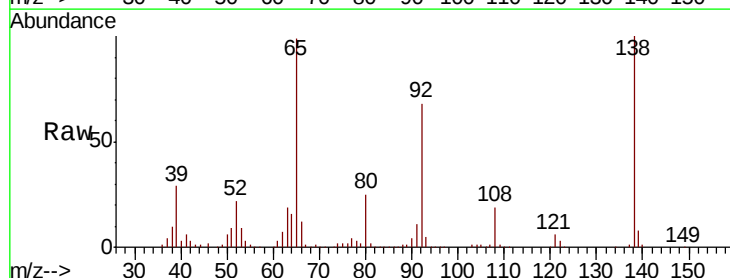
RT: 9.36 min Scan# 1237

Delta R.T. -0.01 min

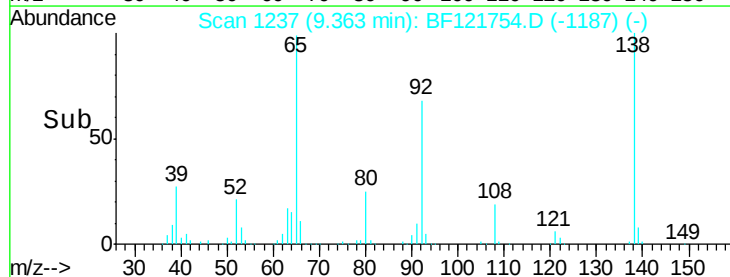
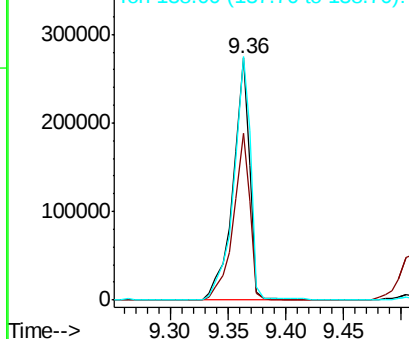
Lab File: BF121754.D

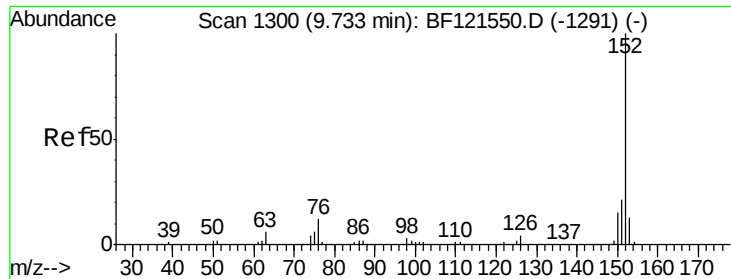
Acq: 30 Sep 2020 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		272119		
92	68.8	53.1	79.7		
138	100.7	76.7	115.1		



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.084 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:152 Resp: 1226039

Ion Ratio Lower Upper

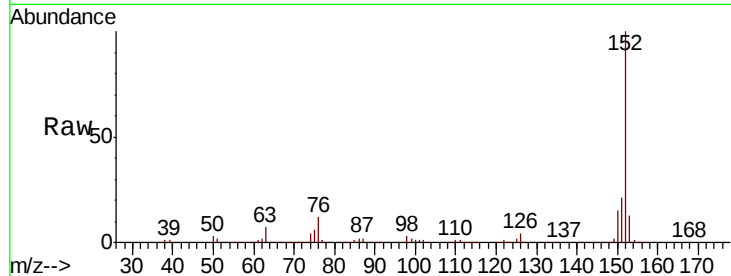
152 100

151 20.6 16.4 24.6

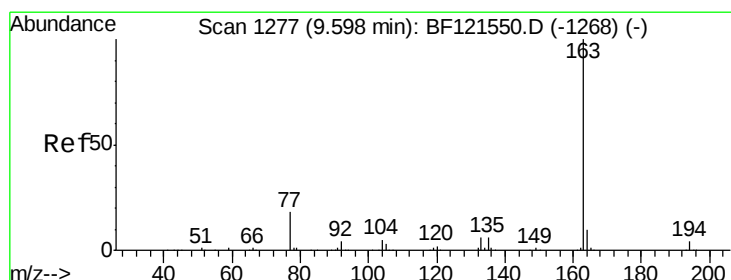
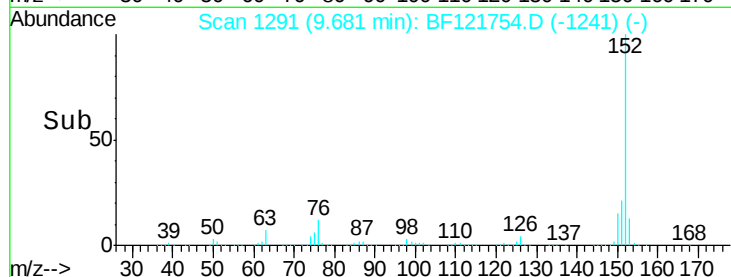
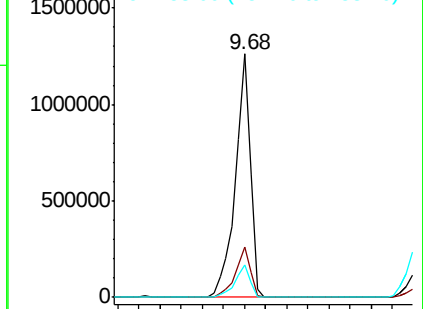
153 13.4 10.9 16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.361 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

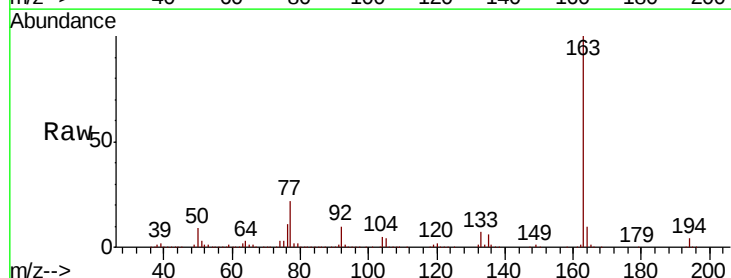
Tgt Ion:163 Resp: 1101440

Ion Ratio Lower Upper

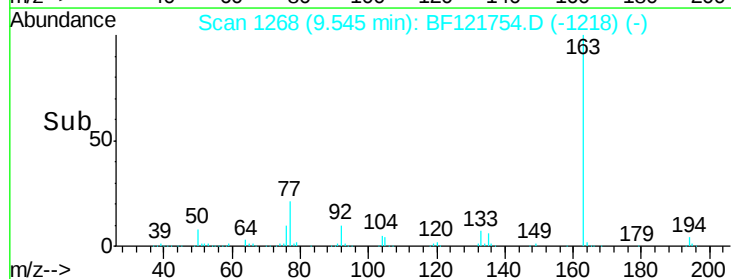
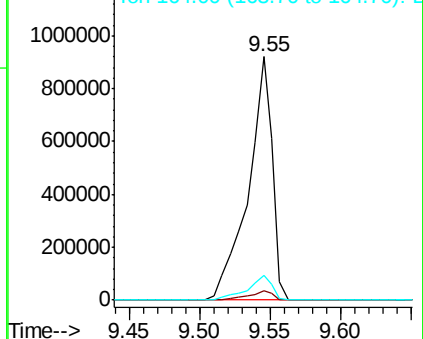
163 100

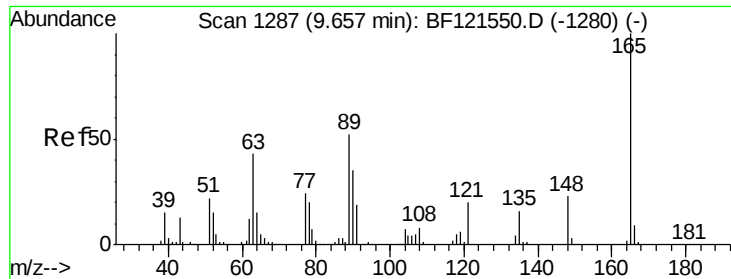
194 4.0 3.1 4.7

164 10.4 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





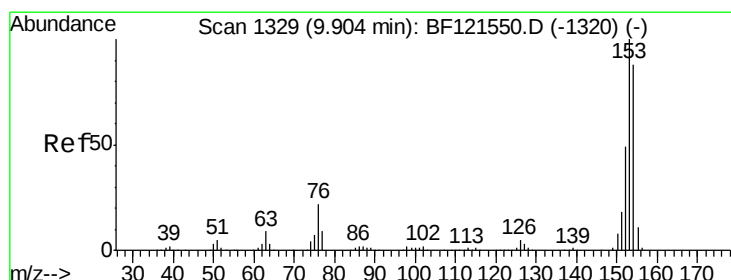
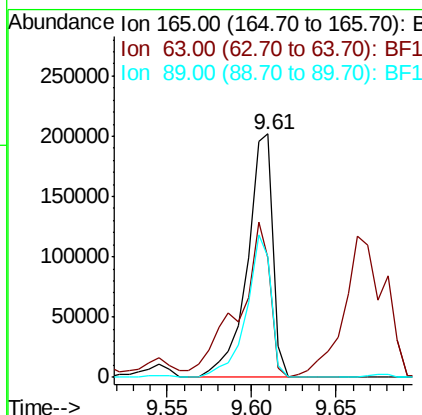
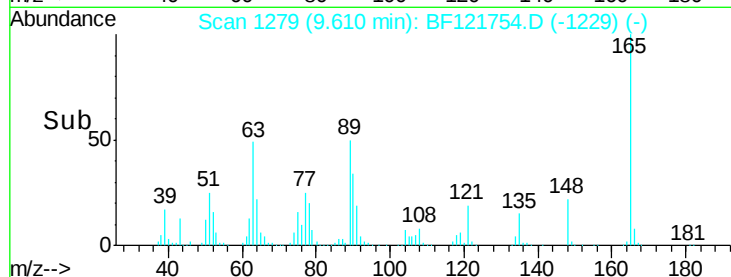
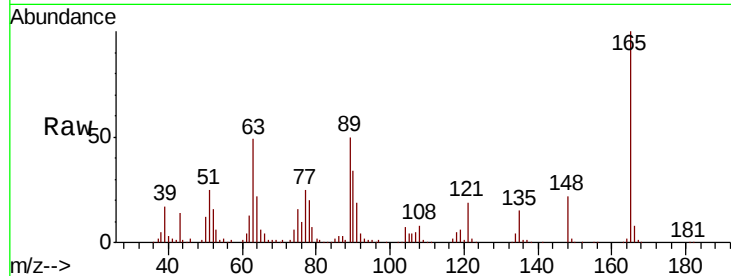
#51
2,6-Dinitrotoluene
Concen: 45.120 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		214419		
63	49.1	43.8	65.6		
89	49.6	43.0	64.4		

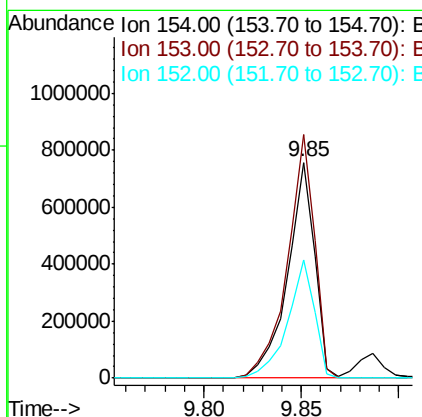
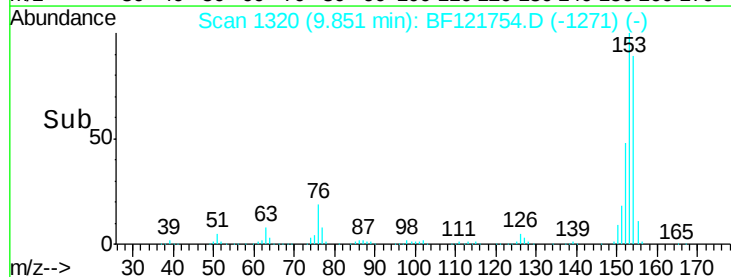
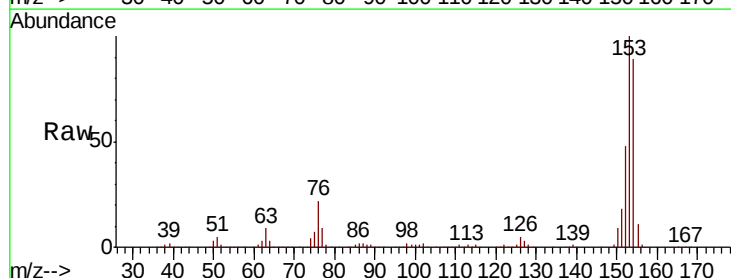
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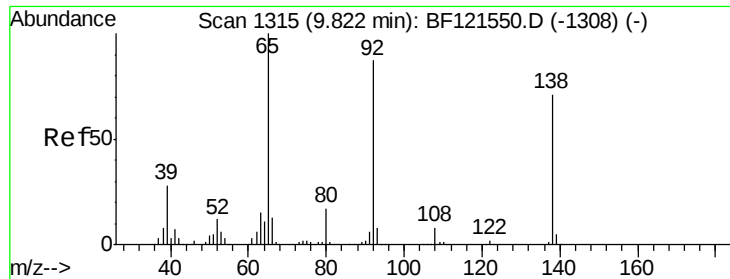
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#52
Acenaphthene
Concen: 38.749 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		730373		
153	113.0	90.7	136.1		
152	54.6	43.9	65.9		





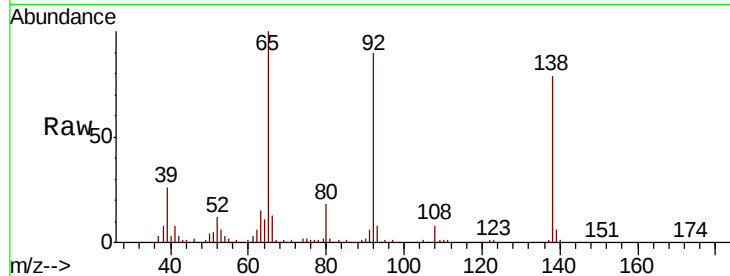
#53
3-Nitroaniline
Concen: 23.107 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

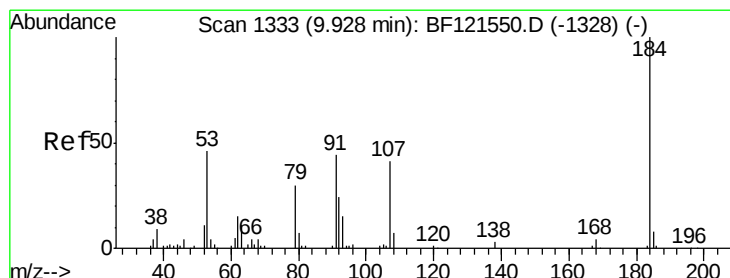
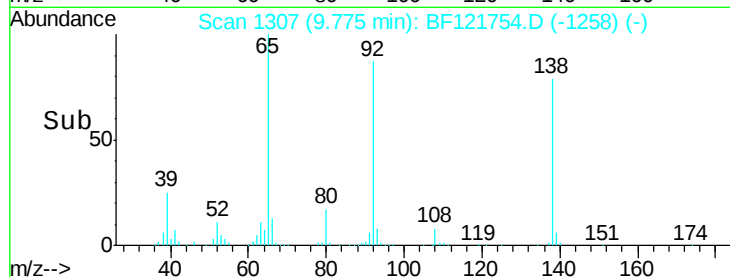
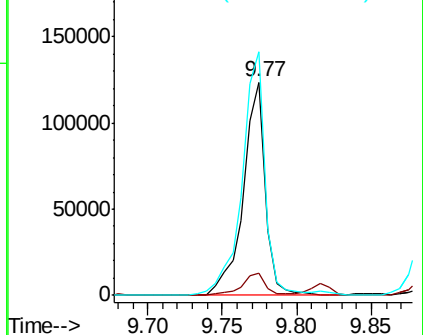
Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.4	9.0	13.4	
92	114.3	93.4	140.0	

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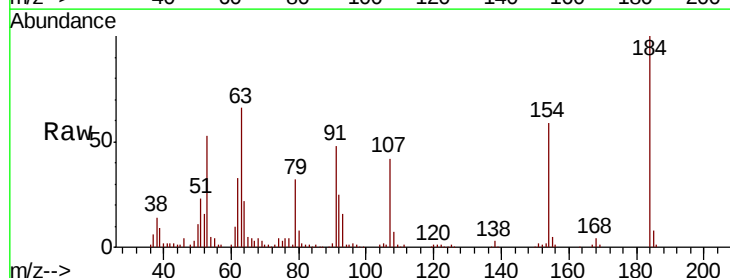


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

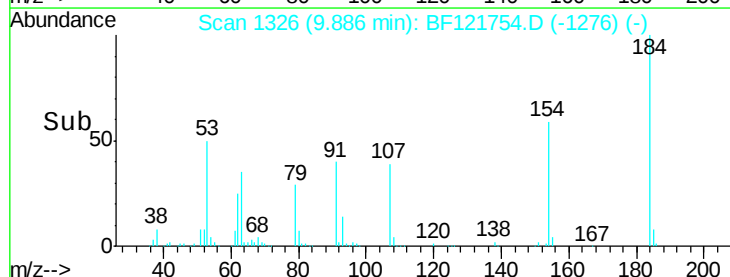
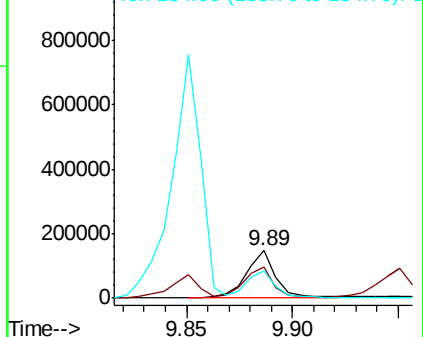


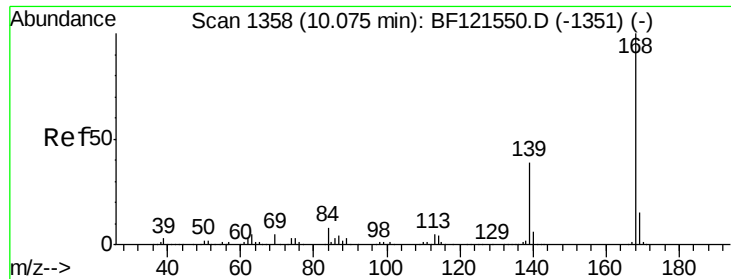
#54
2,4-Dinitrophenol
Concen: 54.840 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	66.1	50.1	75.1	
154	59.2	47.0	70.6	



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





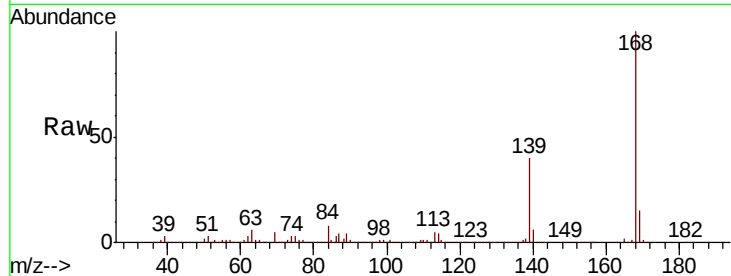
#55
Dibenzofuran
Concen: 41.083 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.3	45.5
169	14.6	11.2	16.8

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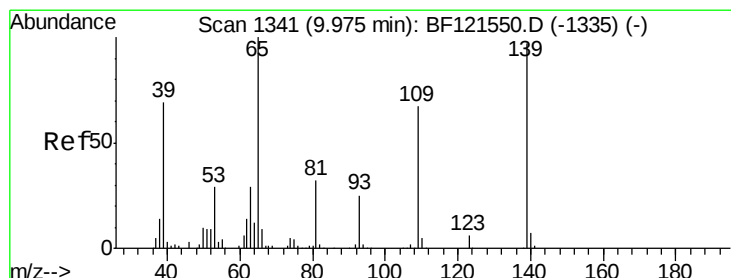
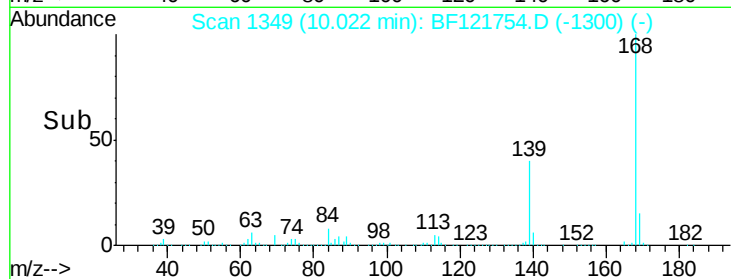
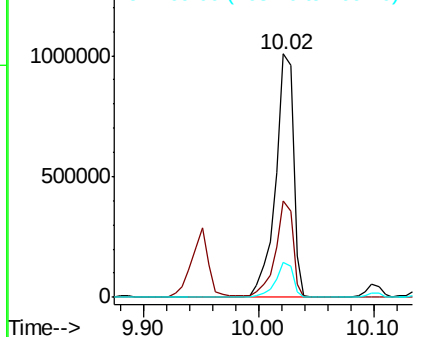


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 69.536 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

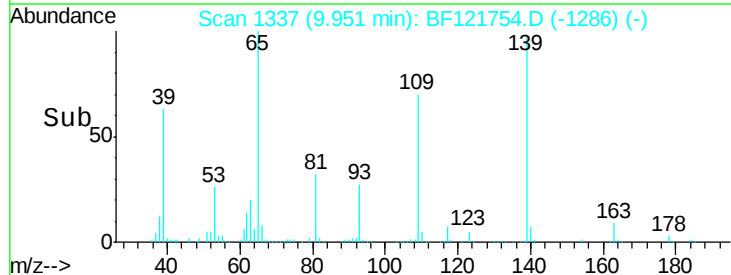
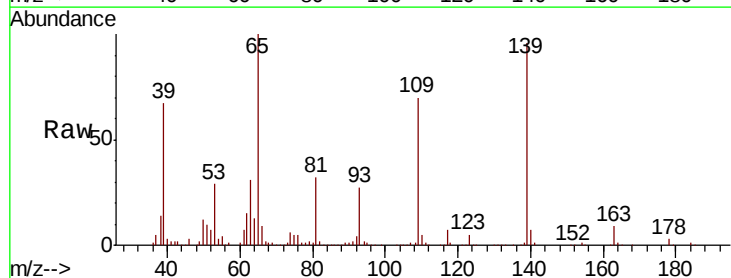
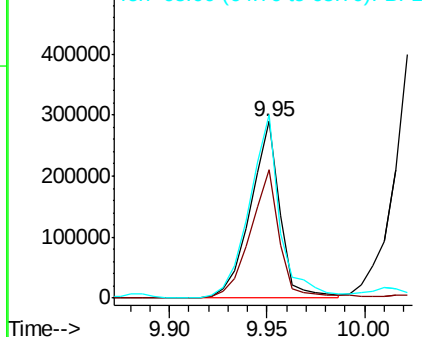
Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.6	48.4	88.4
65	104.2	77.7	117.7

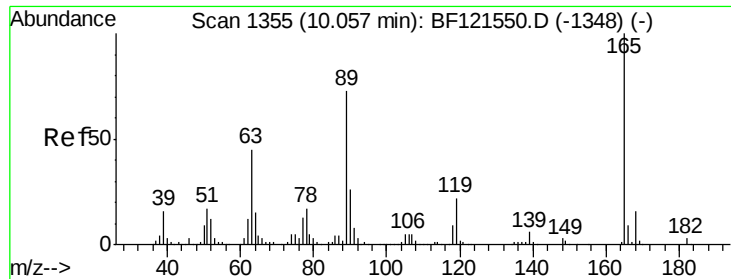
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





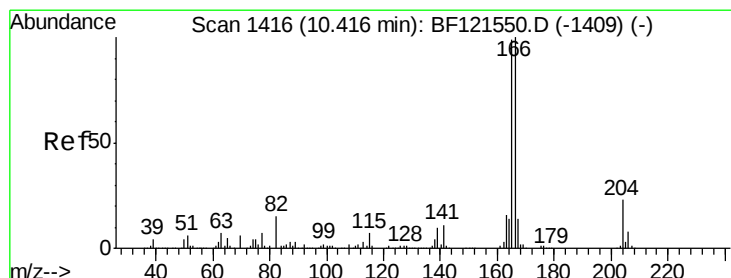
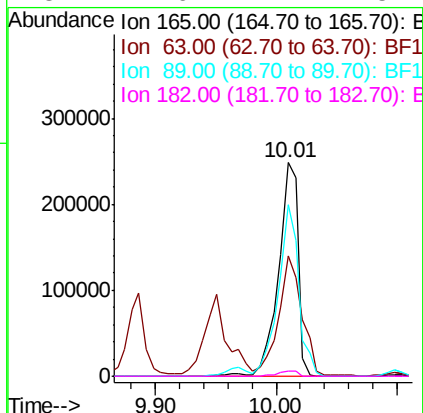
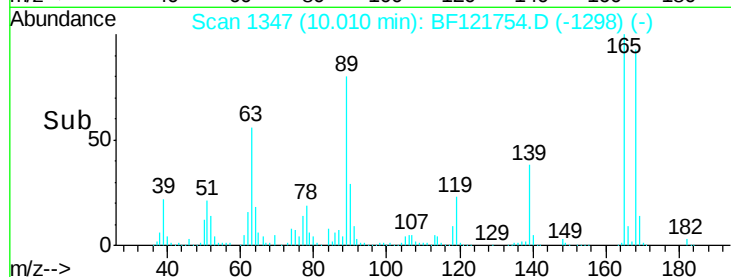
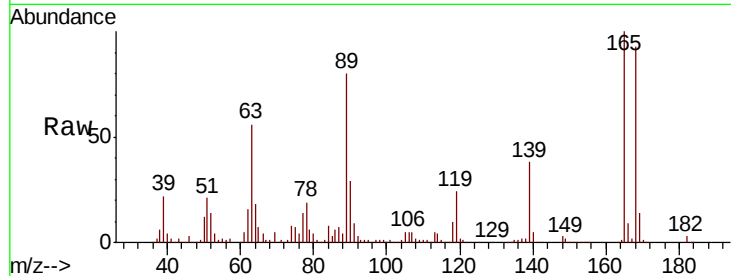
#57
2,4-Dinitrotoluene
Concen: 46.131 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	275793		
63	56.4	39.0	58.6	
89	80.3	57.5	86.3	
182	2.6	2.2	3.4	

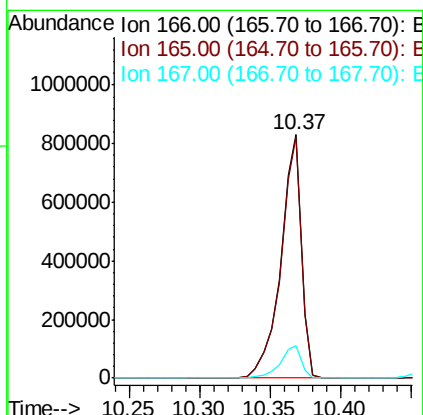
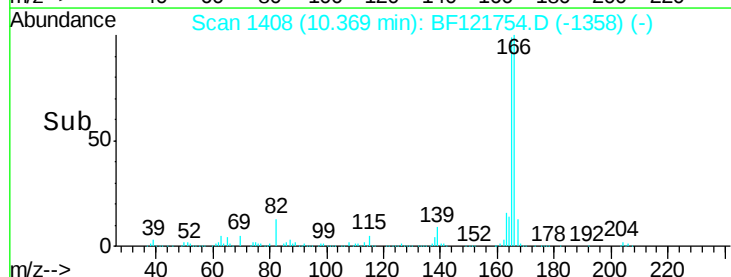
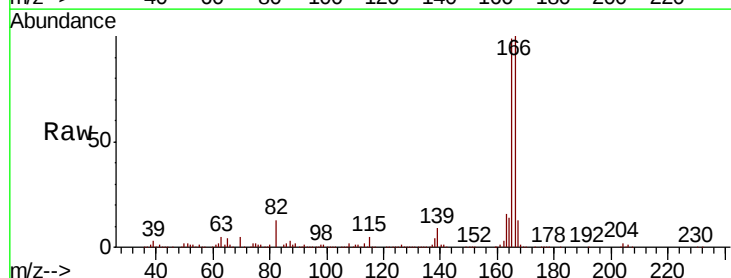
Manual Integrations
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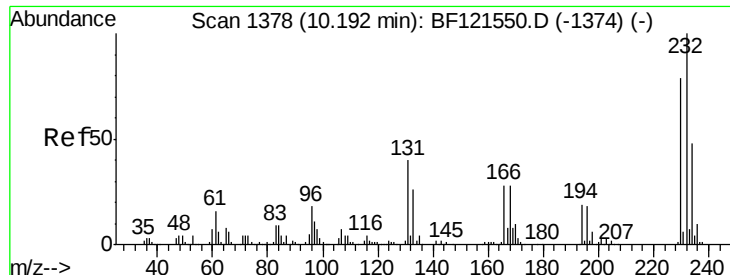
mohammad
10/1/2020 1:32:35 PM



#58
Fluorene
Concen: 41.504 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	842490		
165	99.1	79.2	118.8	
167	13.4	10.6	16.0	





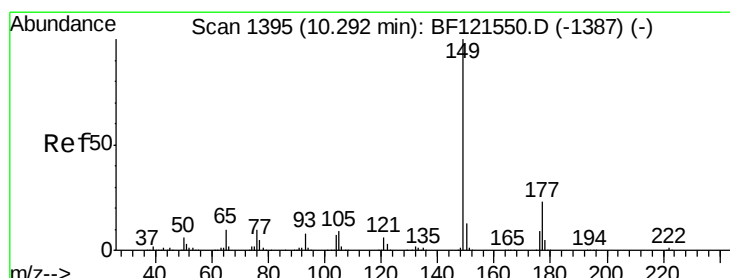
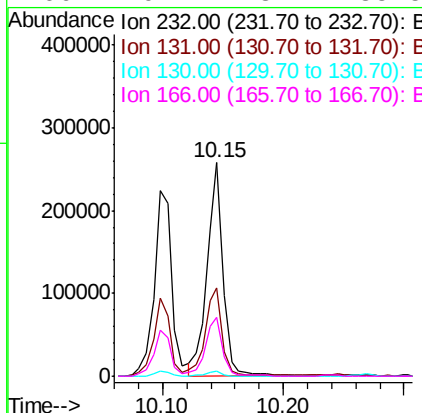
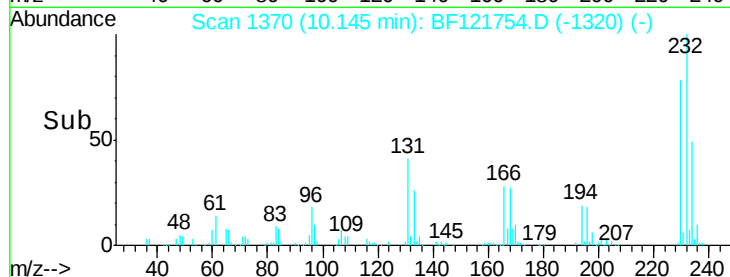
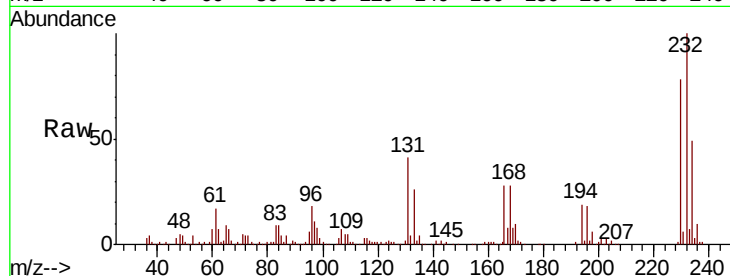
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.506 ng
 RT: 10.15 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.2	34.9	52.3
130	2.4	1.7	2.5
166	29.2	23.7	35.5

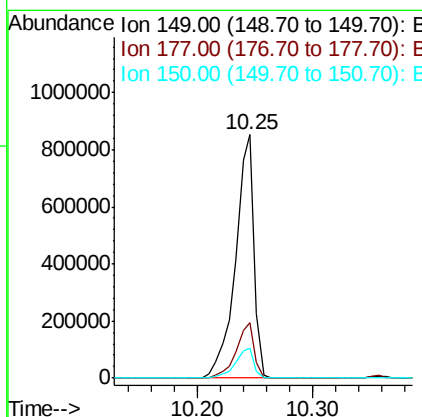
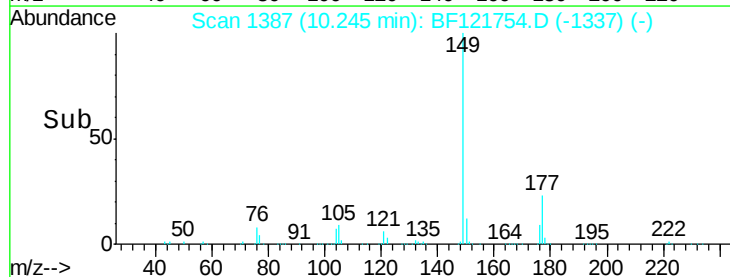
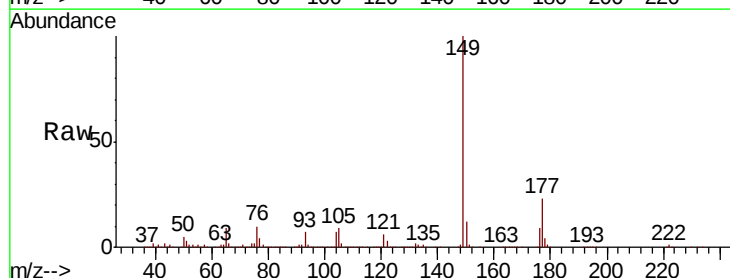
Manual Integrations
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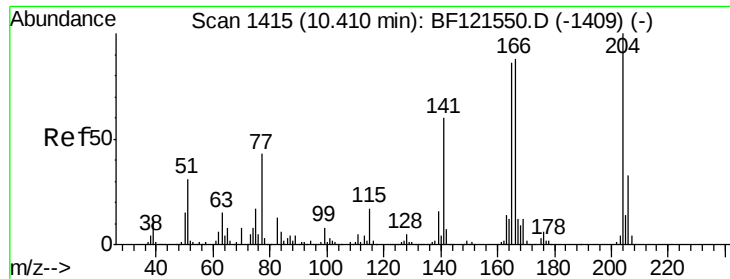
mohammad
 10/1/2020 1:32:35 PM



#60
 Diethylphthalate
 Concen: 43.283 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.4	10.0	15.0





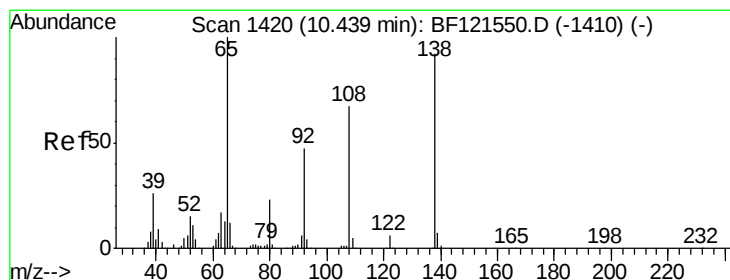
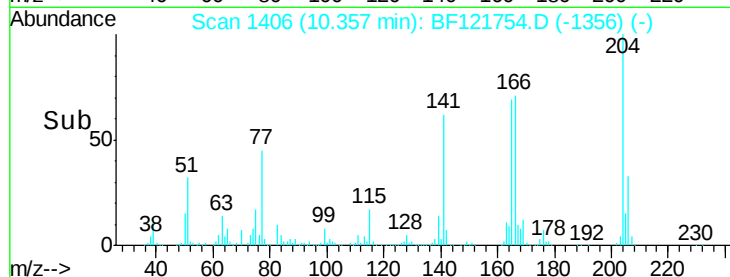
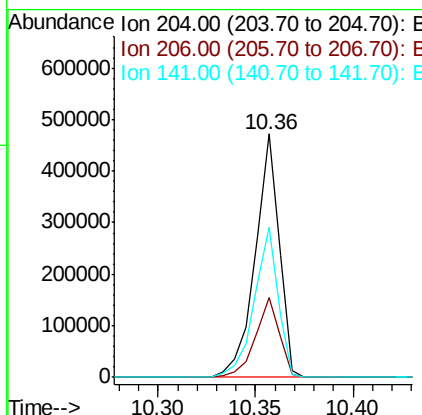
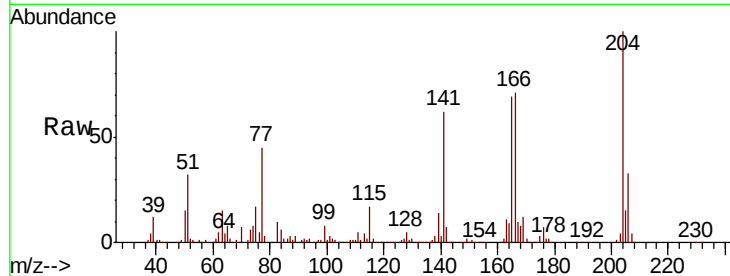
#61
 4-Chlorophenyl-phenylether
 Concen: 41.457 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	61.7	51.4	77.0

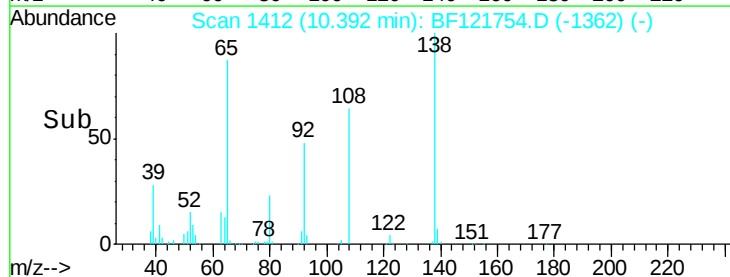
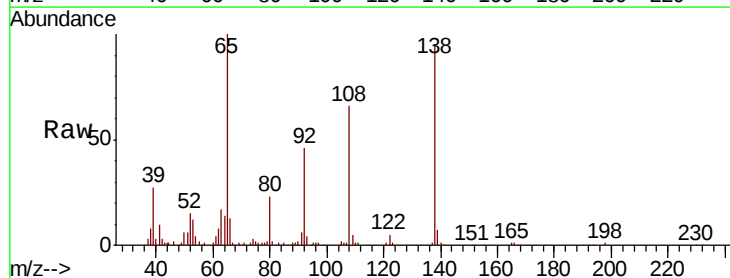
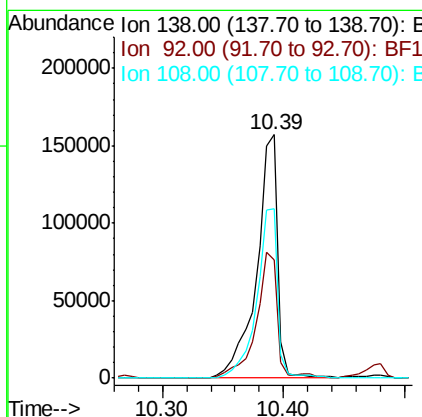
Manual Integrations
 APPROVED

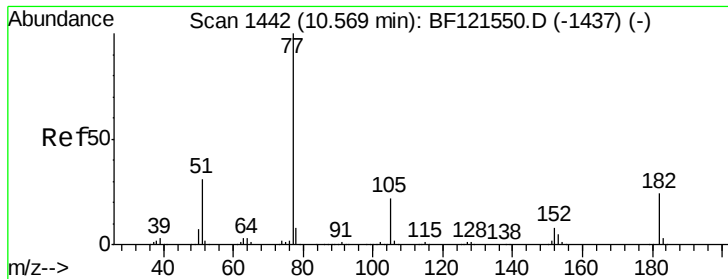
mohammad
 10/1/2020 1:32:35 PM



#62
 4-Nitroaniline
 Concen: 35.158 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.3	33.6	73.6
108	69.5	53.5	93.5





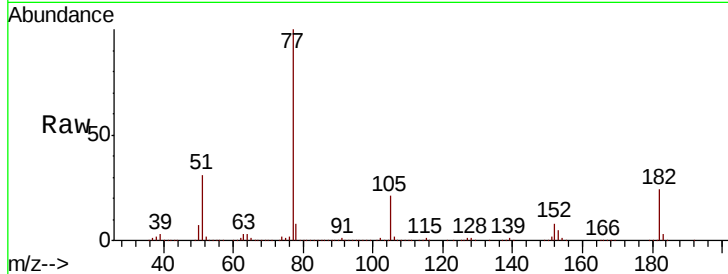
#63
Azobenzene
Concen: 41.217 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

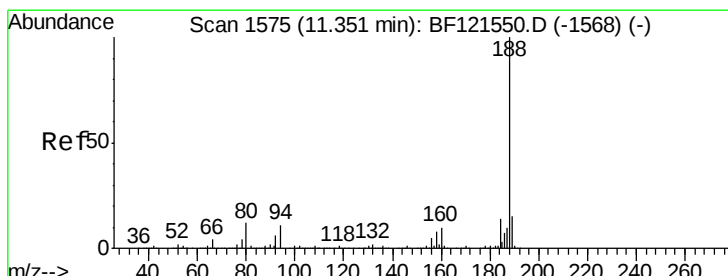
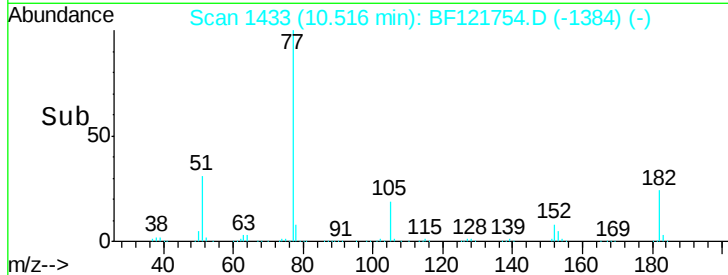
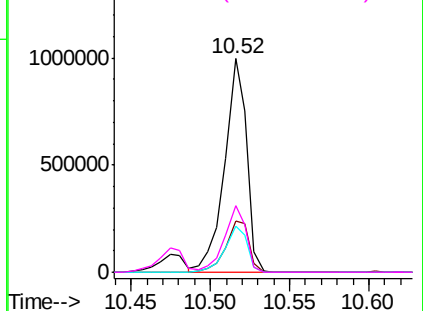
Tot Ion	Ratio	Lower	Upper
77	100		
182	23.7	6.5	46.5
105	21.3	2.1	42.1
51	31.4	11.3	51.3

Manual Integrations
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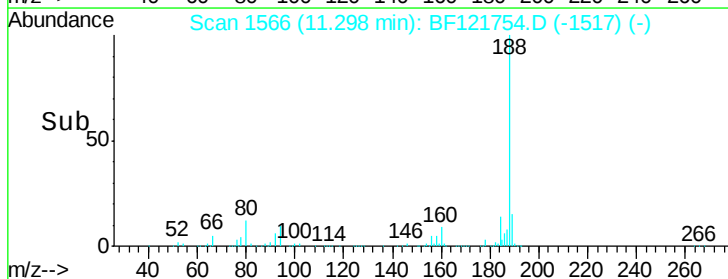
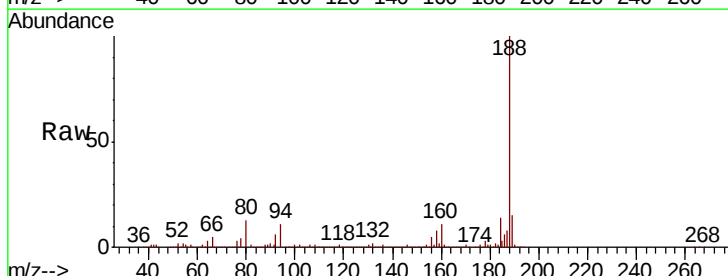
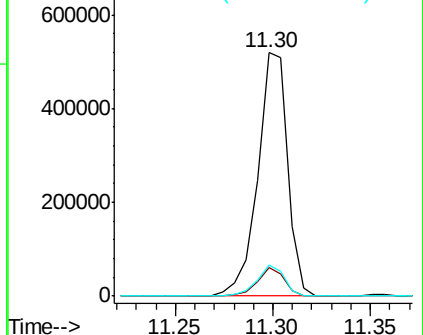
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

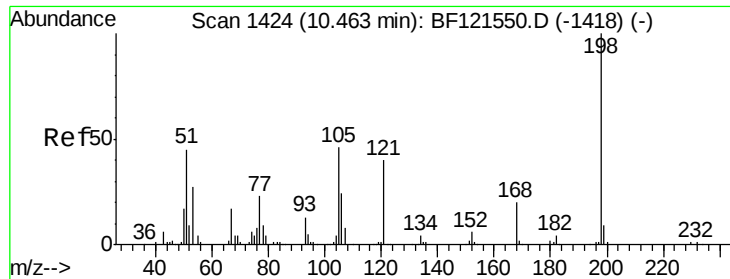


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.2	12.2
80	12.6	8.9	13.3

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





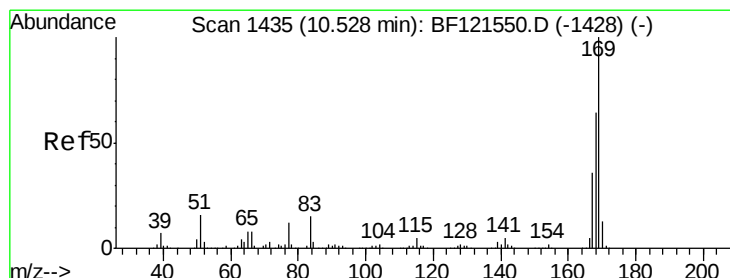
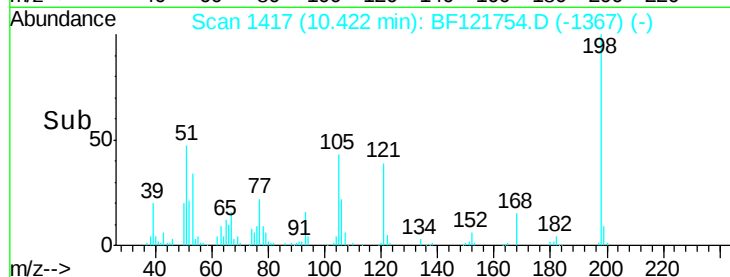
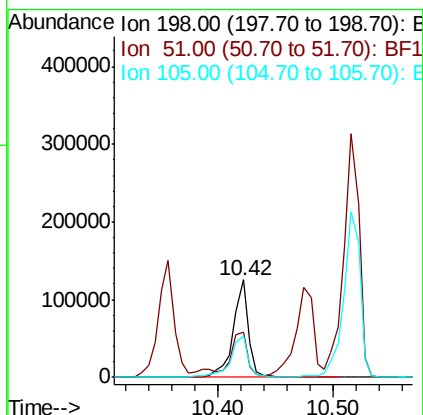
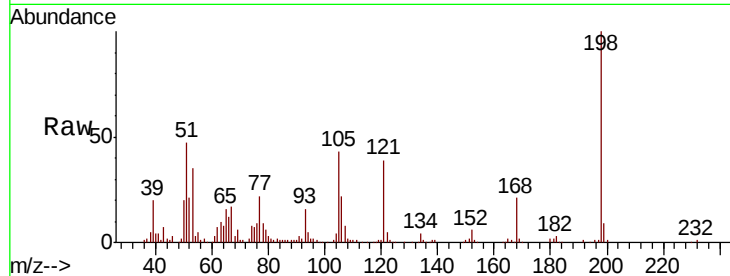
#65
4,6-Dinitro-2-methylphenol
Concen: 36.028 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.0	34.7	74.7
105	42.8	27.8	67.8

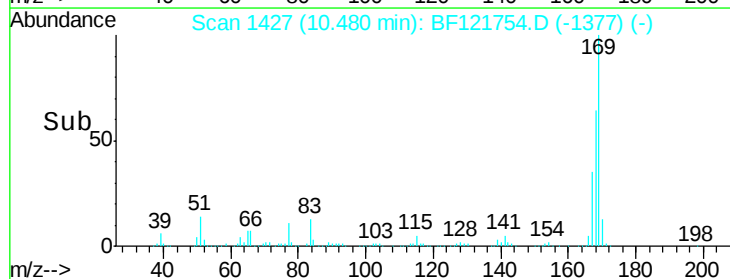
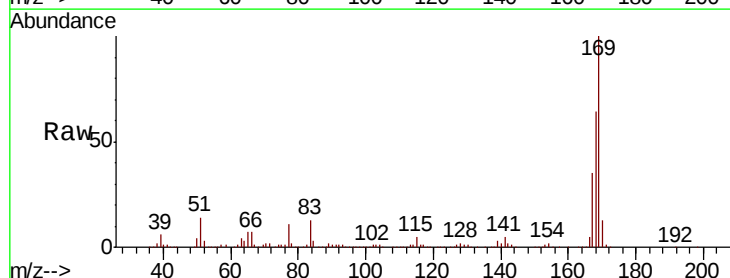
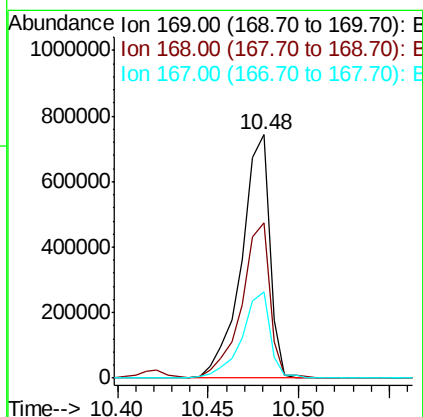
Manual Integrations
APPROVED

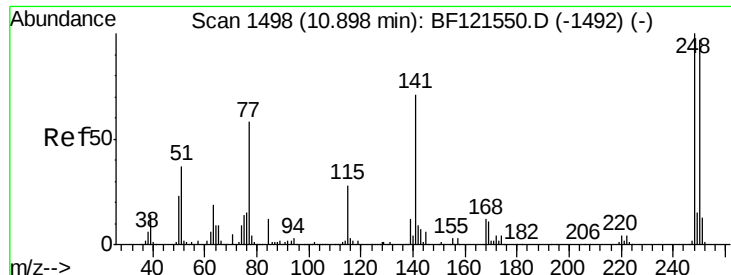
mohammad
10/1/2020 1:32:35 PM



#66
n-Nitrosodiphenylamine
Concen: 42.607 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
169	100		
168	63.8	51.0	76.6
167	35.1	28.4	42.6





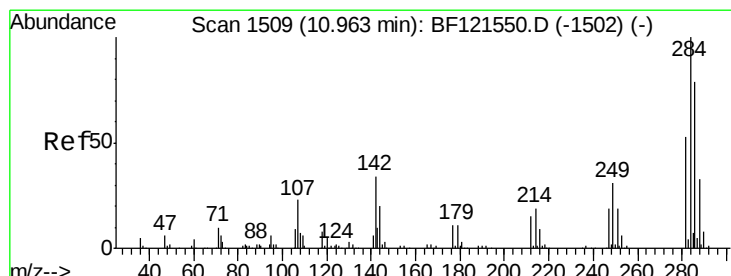
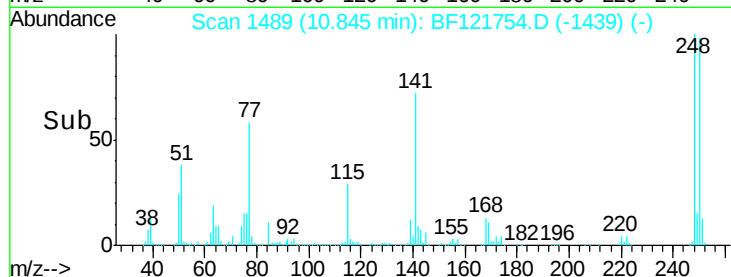
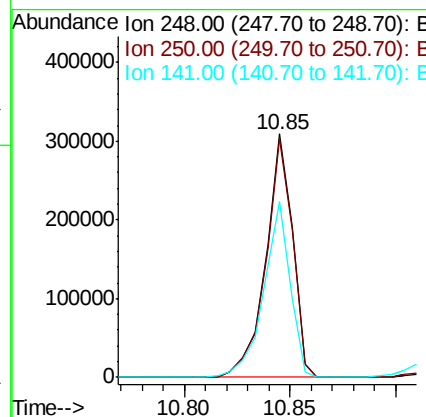
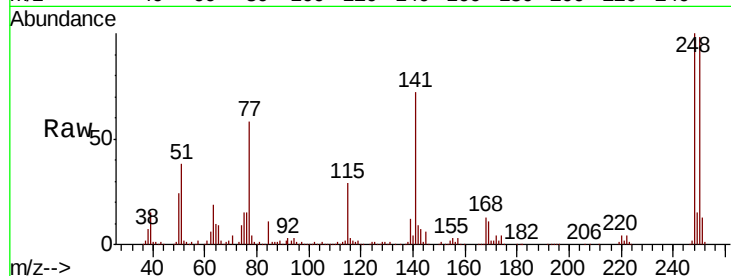
#67
4-Bromophenyl-phenylether
Concen: 43.712 ng
RT: 10.85 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.6	118.0
141	72.3	60.0	90.0

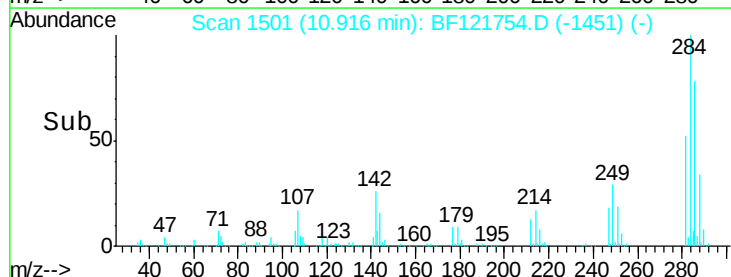
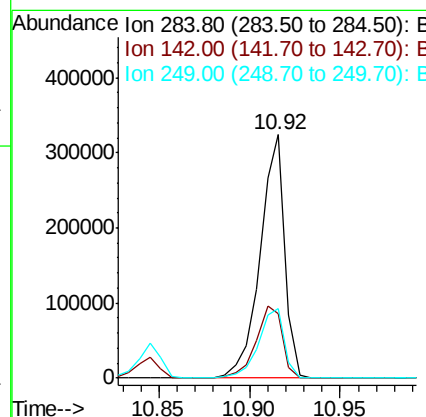
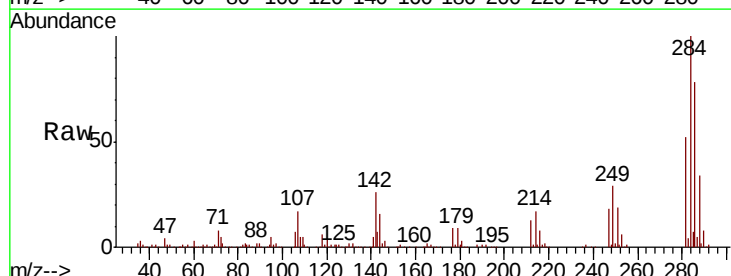
Manual Integrations
APPROVED

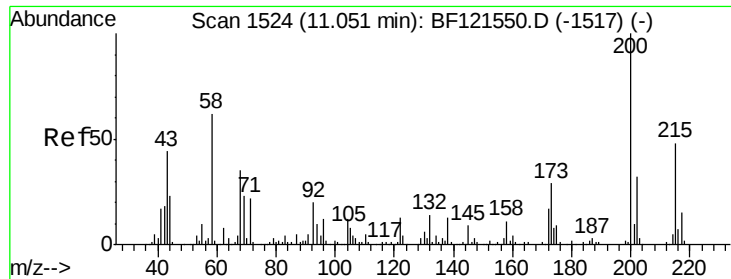
mohammad
10/1/2020 1:32:35 PM



#68
Hexachlorobenzene
Concen: 43.220 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	26.4	24.1	36.1
249	28.7	23.8	35.8





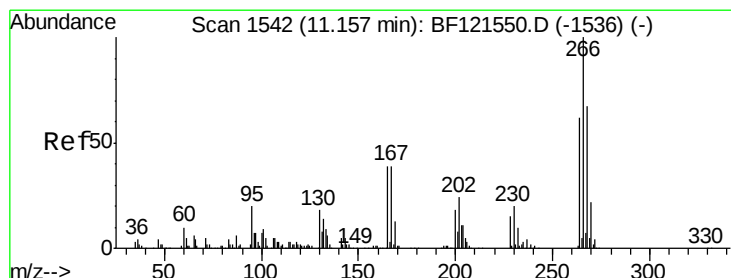
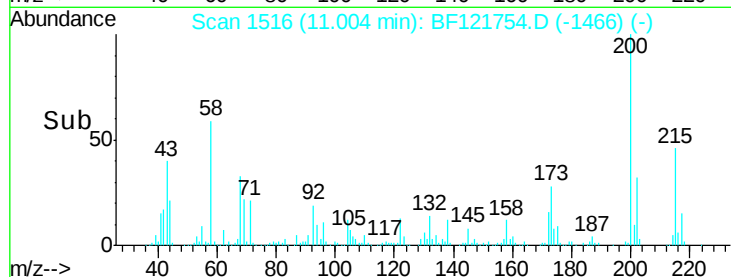
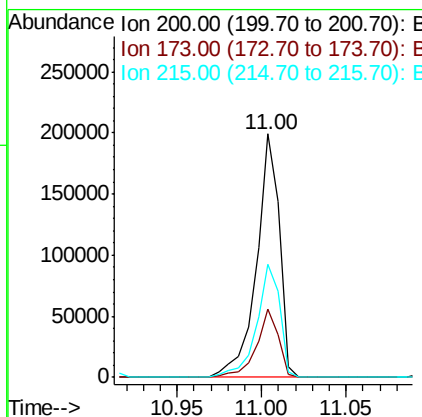
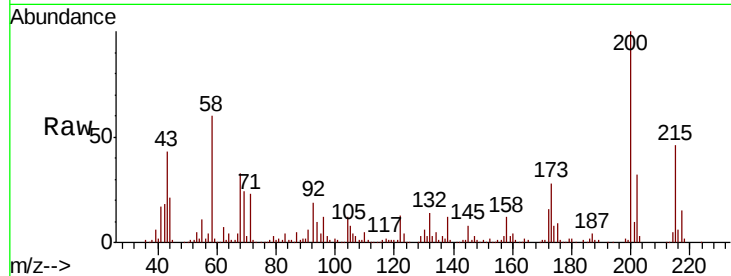
#69
Atrazine
Concen: 40.192 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.9	47.9
215	46.3	28.3	68.3

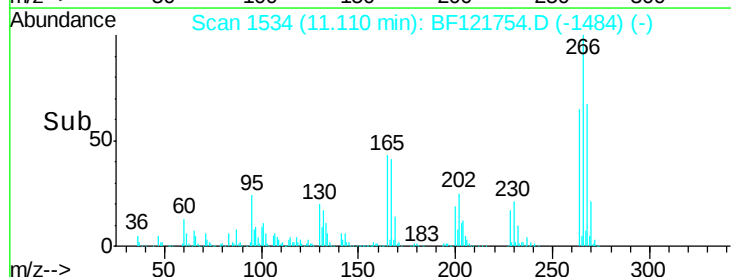
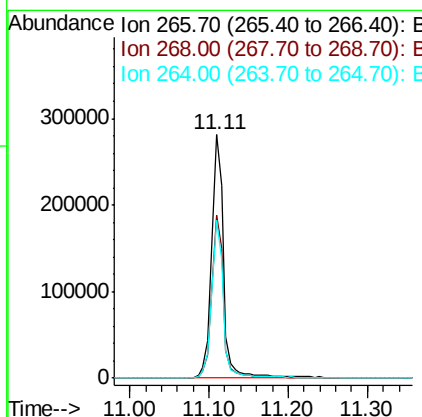
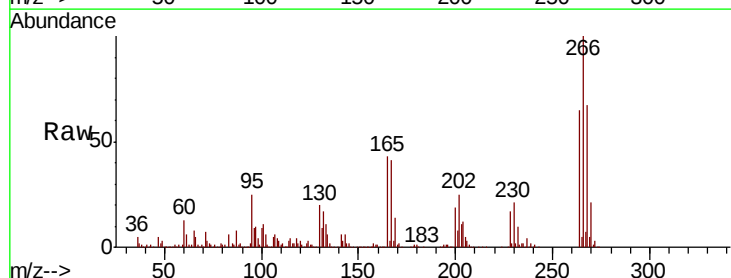
Manual Integrations
APPROVED

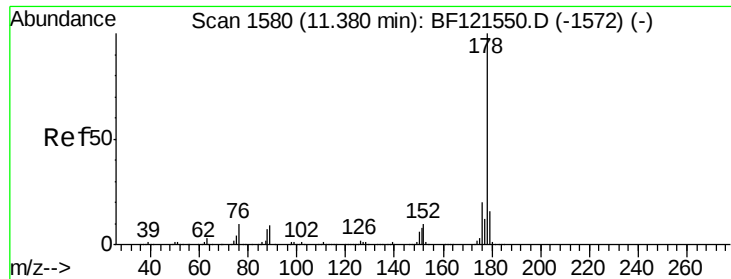
mohammad
10/1/2020 1:32:35 PM



#70
Pentachlorophenol
Concen: 76.027 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.7	53.2	79.8
264	64.9	50.1	75.1





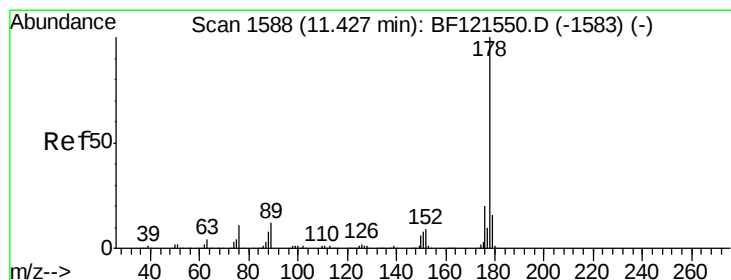
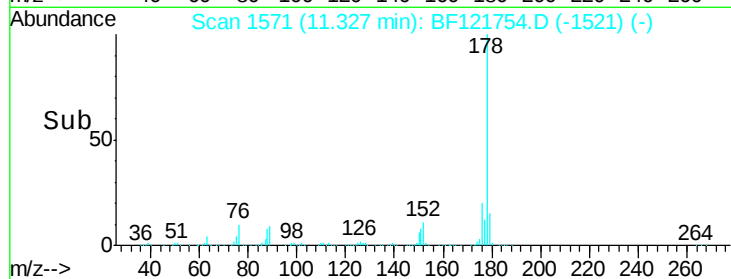
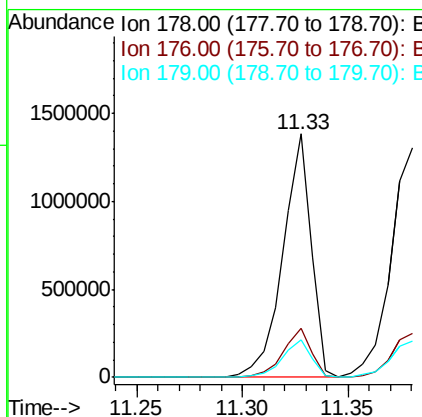
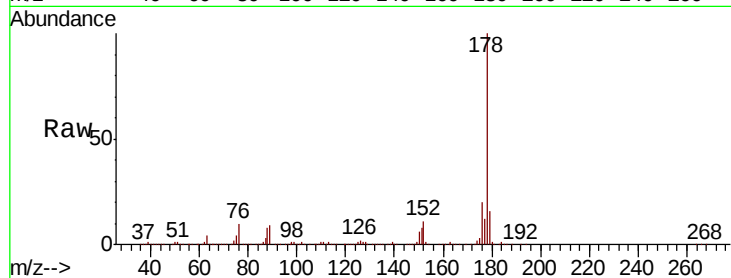
#71
Phenanthrene
Concen: 43.341 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion:178 Resp: 1297821
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 15.6 12.6 19.0

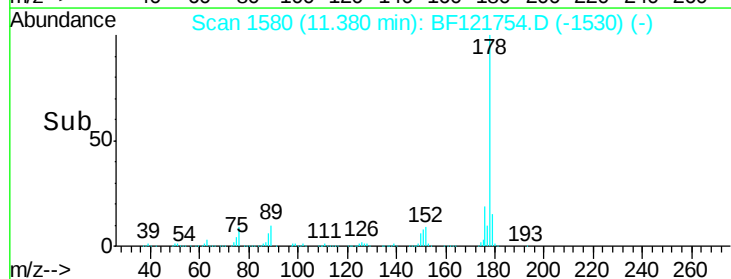
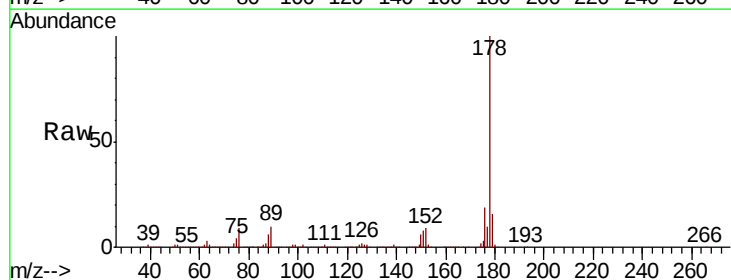
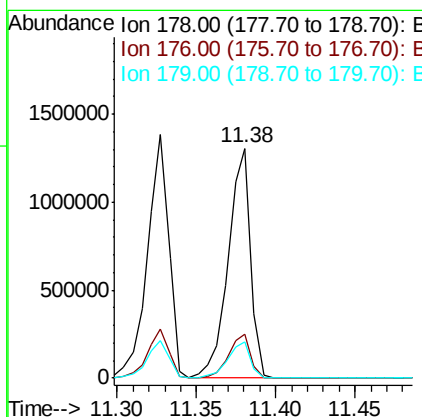
Manual Integrations
APPROVED

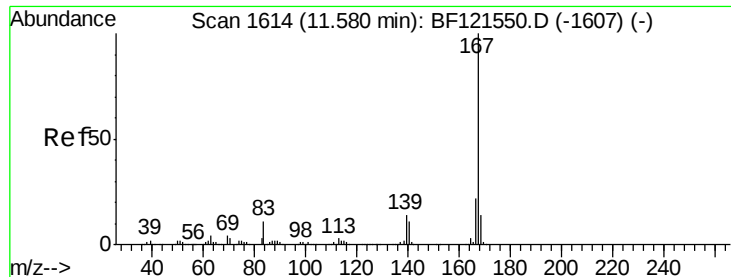
mohammad
10/1/2020 1:32:35 PM



#72
Anthracene
Concen: 41.336 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion:178 Resp: 1277335
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.6 19.0





#73

Carbazole

Concen: 39.656 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:167 Resp: 1105833

Ion Ratio Lower Upper

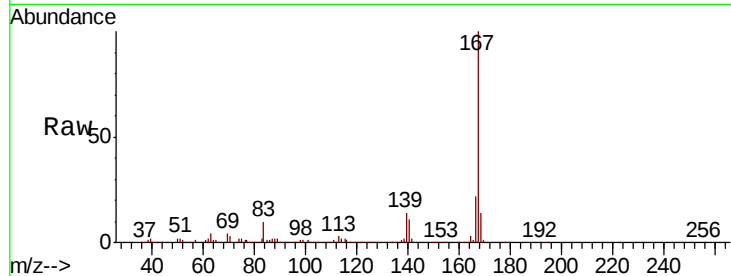
167 100

166 22.1 17.7 26.5

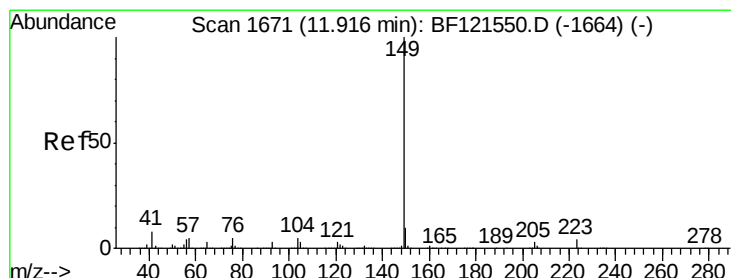
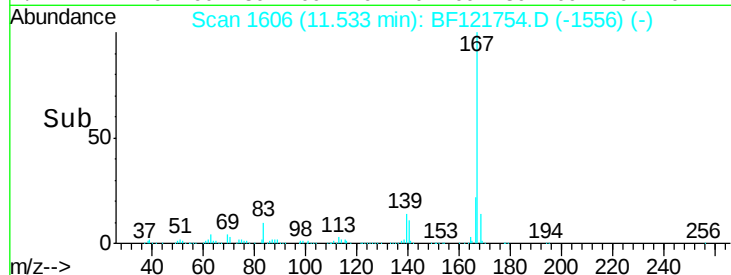
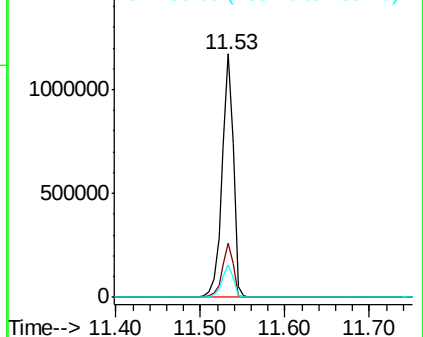
139 13.6 10.9 16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.603 ng

RT: 11.86 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

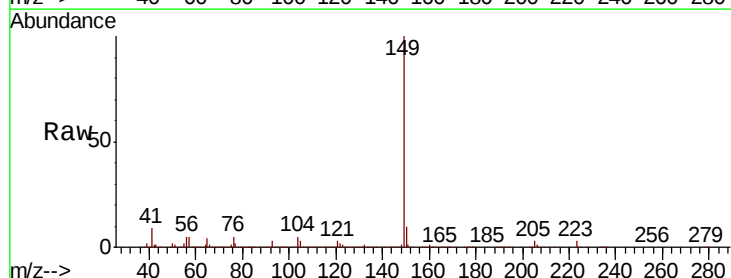
Tgt Ion:149 Resp: 1403342

Ion Ratio Lower Upper

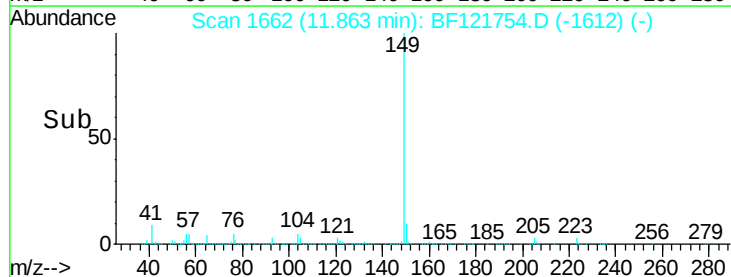
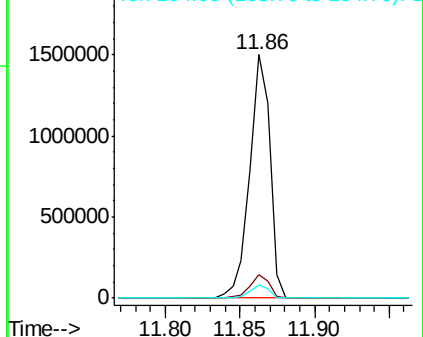
149 100

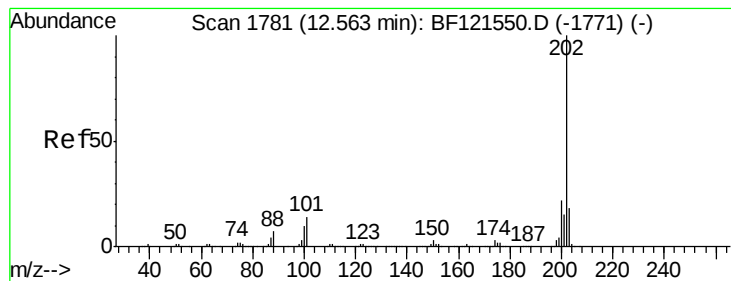
150 9.7 7.6 11.4

104 5.4 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 41.084 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

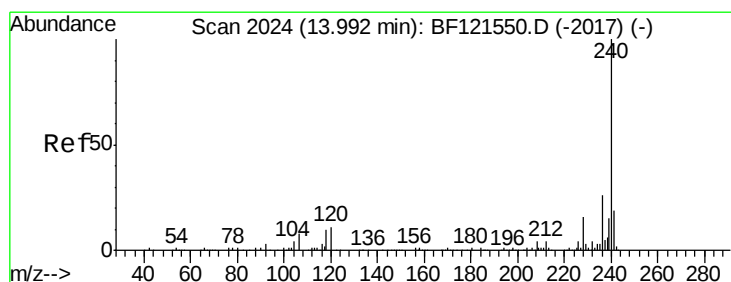
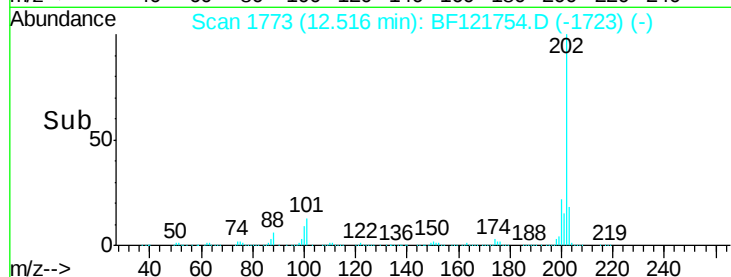
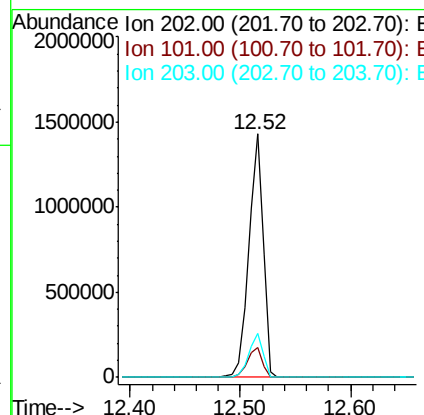
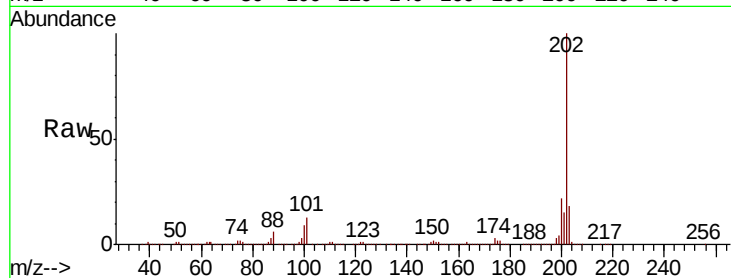
ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:	202	Resp:	1313285
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.0
203	18.0	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

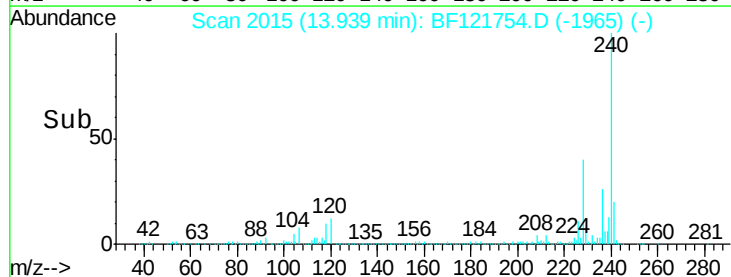
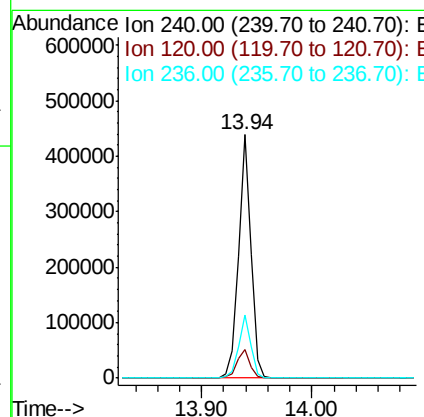
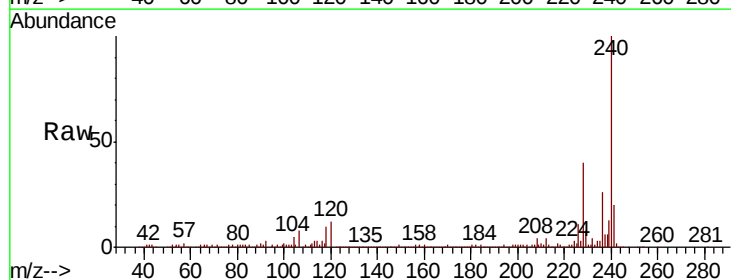
RT: 13.94 min Scan# 2015

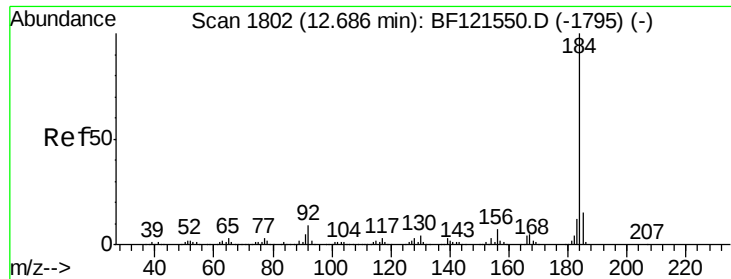
Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Tgt Ion:	240	Resp:	347358
Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.2	15.4
236	25.7	20.4	30.6





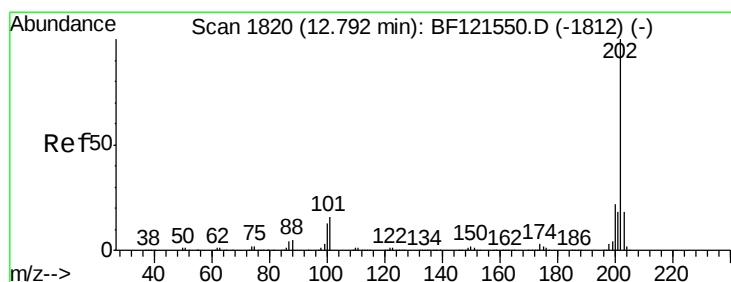
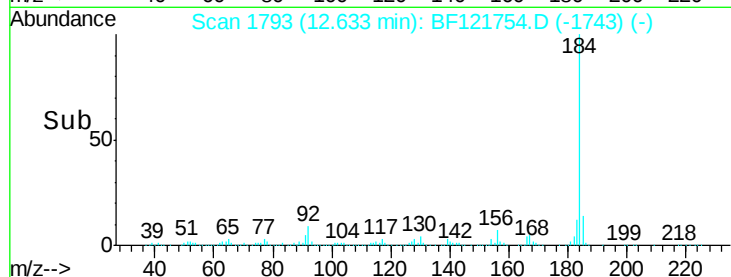
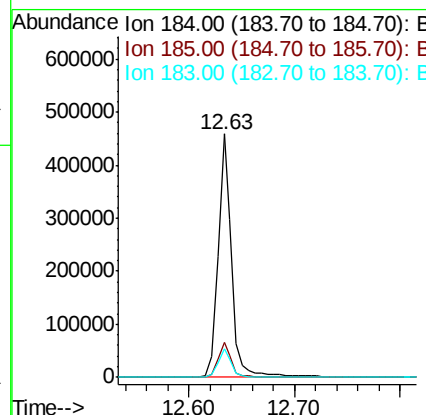
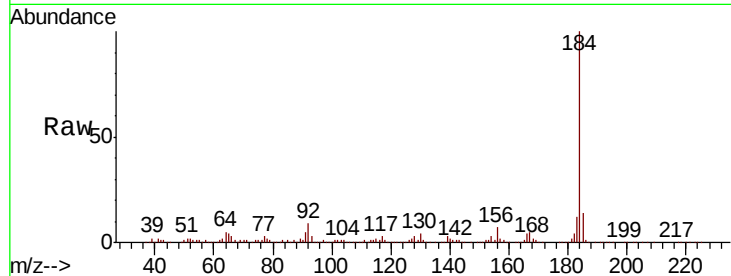
#77
Benzidine
Concen: 36.305 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.7	9.3	13.9

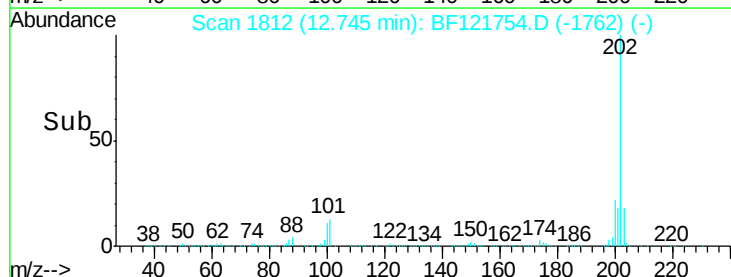
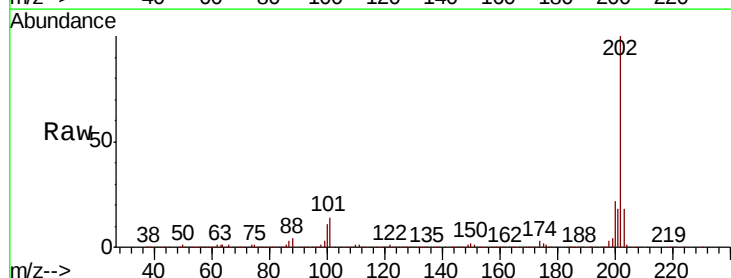
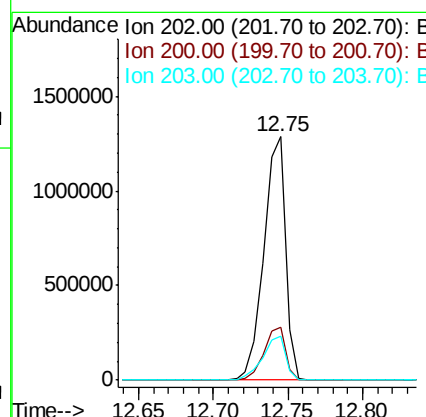
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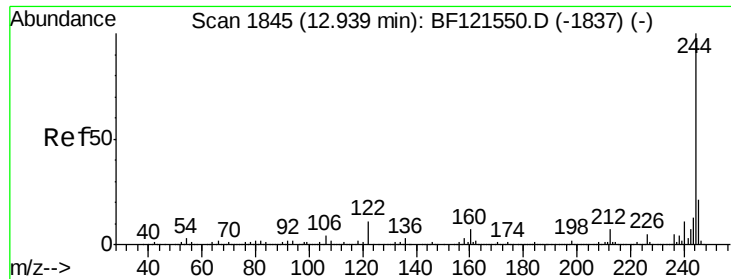
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#78
Pyrene
Concen: 50.431 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.8	14.5	21.7





#79

Terphenyl-d14

Concen: 81.893 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

Instrument :

BNA_F

ClientSampleId :

PAV-B18-092920-10-20MS

Tot Ion:244 Resp: 1404117

Ion Ratio Lower Upper

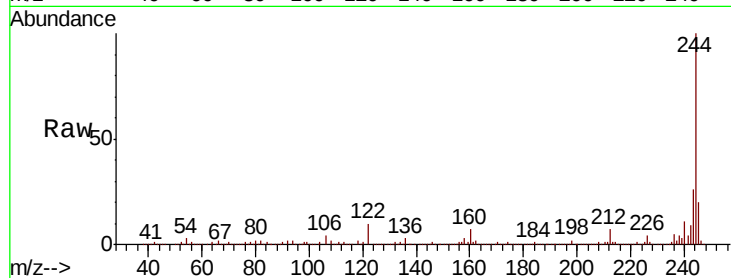
244 100

212 6.9 5.7 8.5

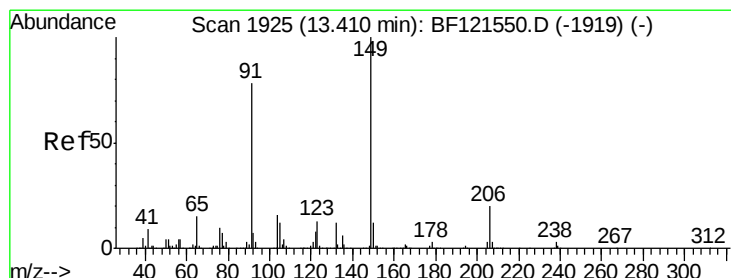
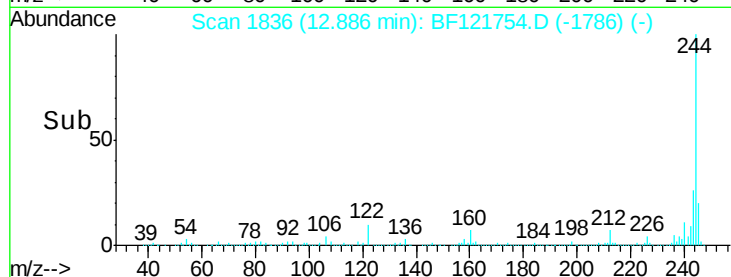
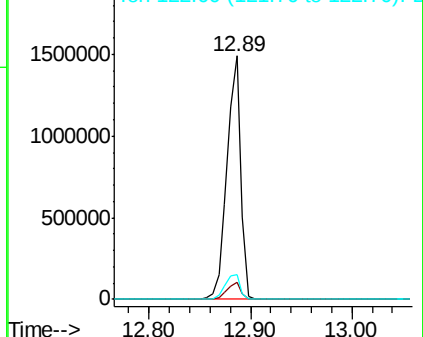
122 10.3 9.0 13.4

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Abundance Ion 244.00 (243.70 to 244.70): E
2000000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.759 ng

RT: 13.36 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BF121754.D

Acq: 30 Sep 2020 23:08

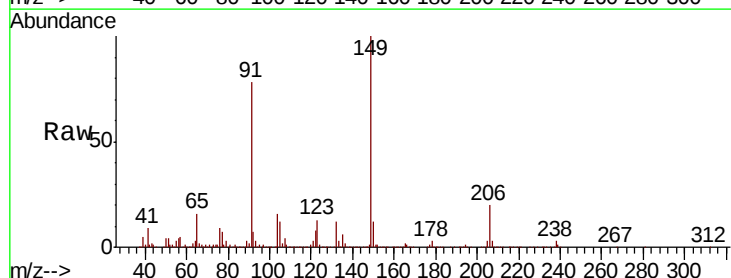
Tgt Ion:149 Resp: 531256

Ion Ratio Lower Upper

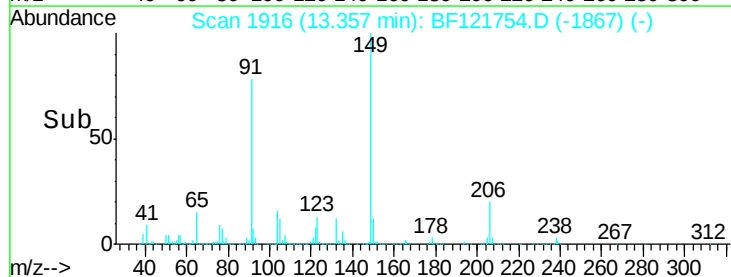
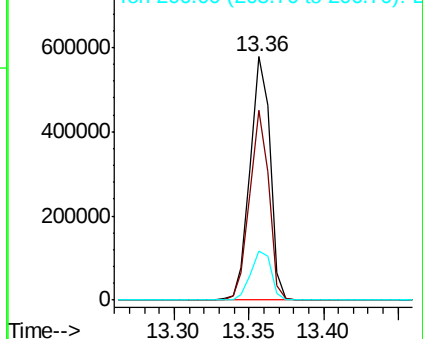
149 100

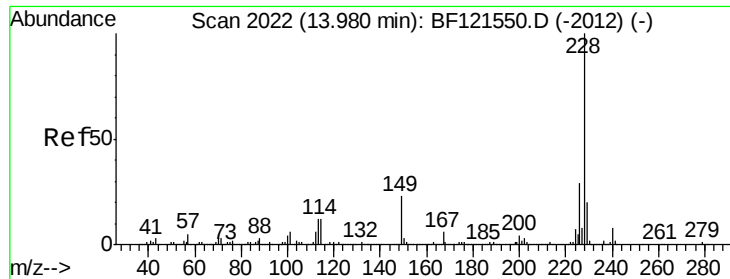
91 77.9 56.0 84.0

206 20.2 17.4 26.0



Abundance Ion 149.00 (148.70 to 149.70): E
800000 Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





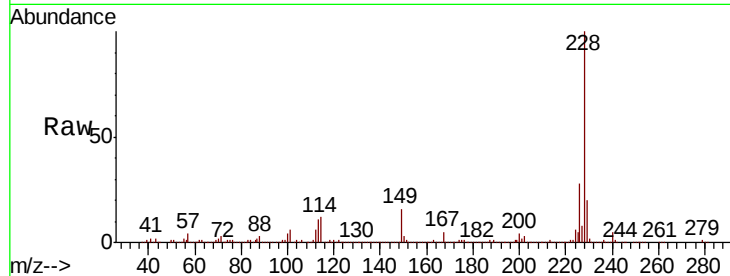
#81
Benzo(a)anthracene
Concen: 43.653 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

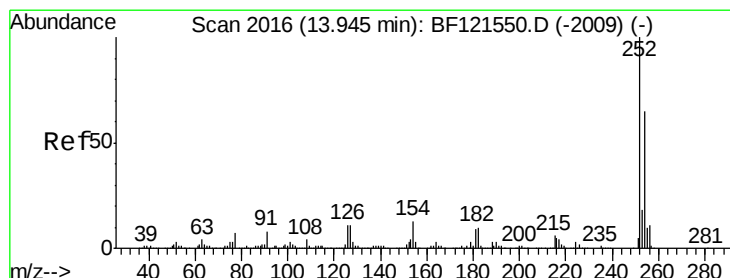
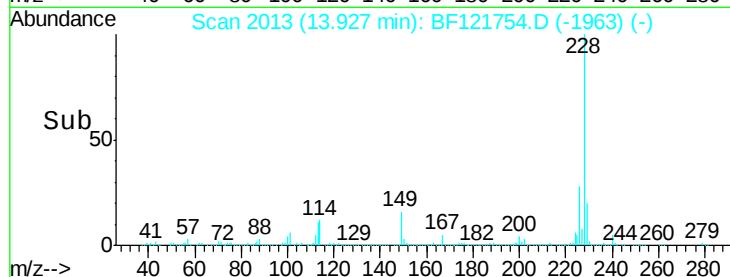
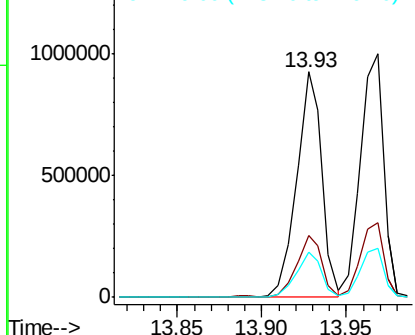
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	20.2	16.2	24.4

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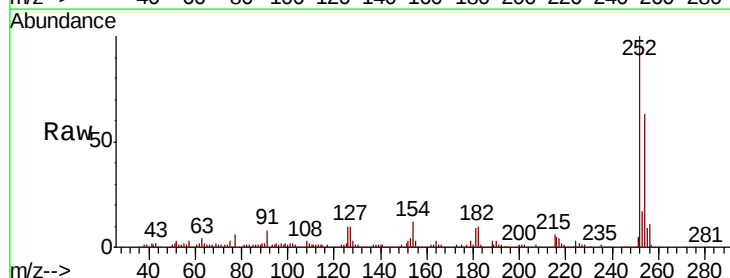


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

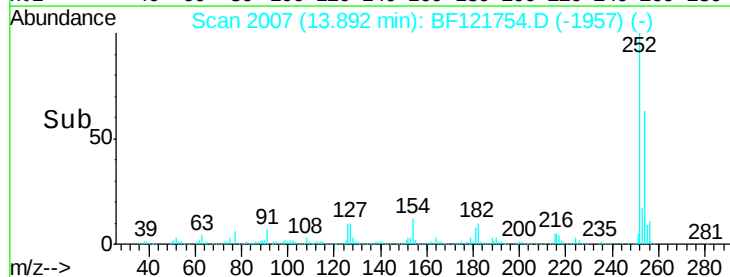
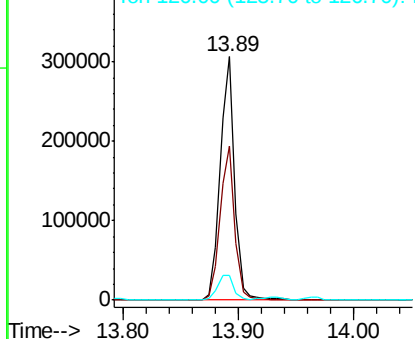


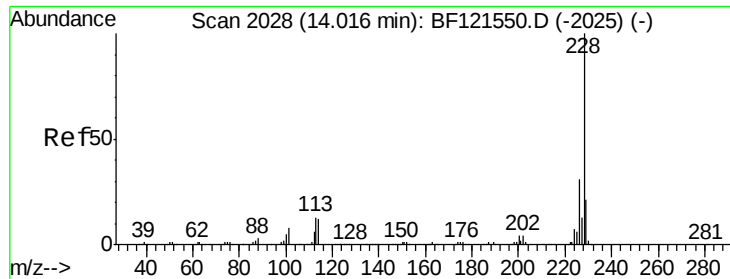
#82
3,3'-Dichlorobenzidine
Concen: 31.185 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.7	76.1
126	10.3	10.2	15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





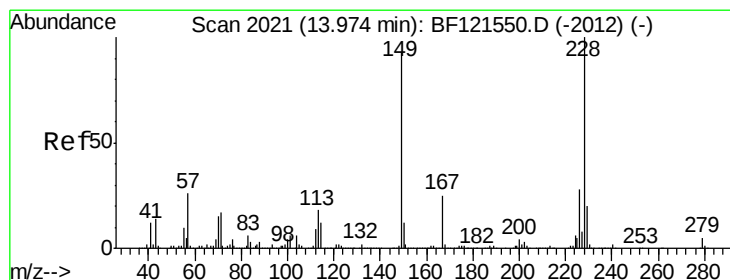
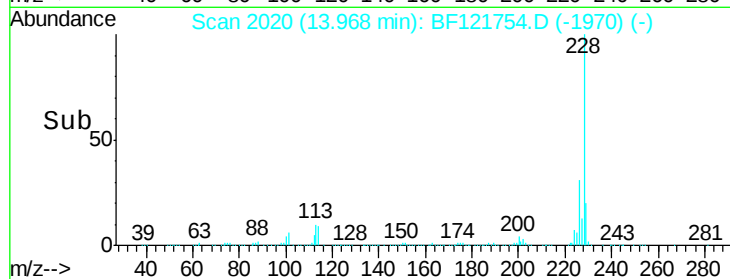
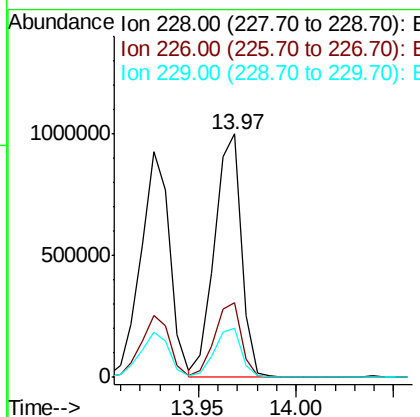
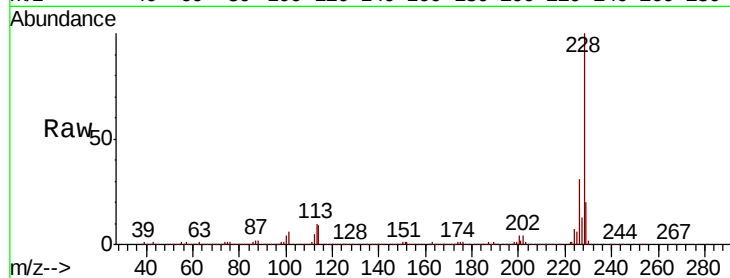
#83
 Chrvsene
 Concen: 42.815 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	19.9	16.4	24.6

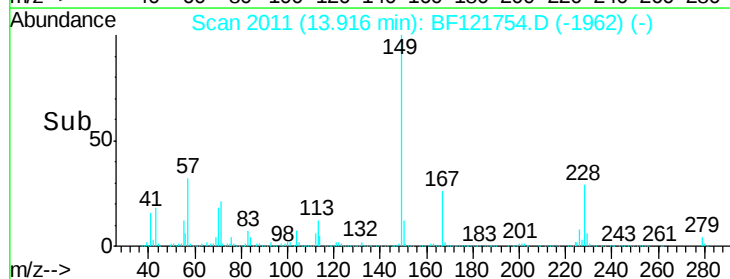
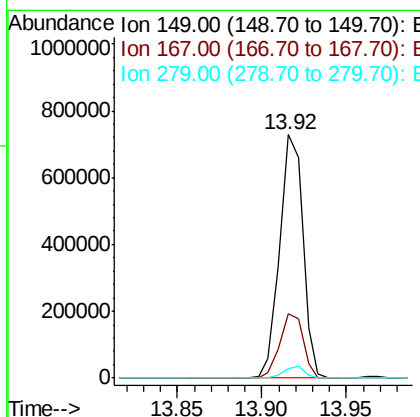
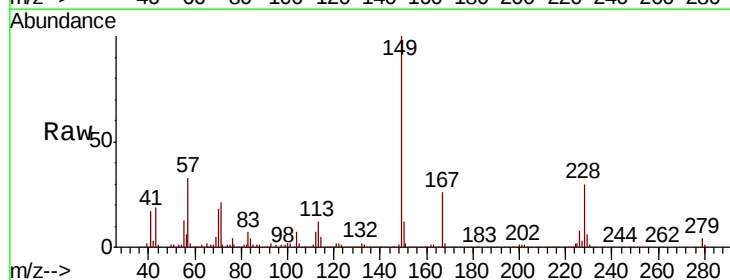
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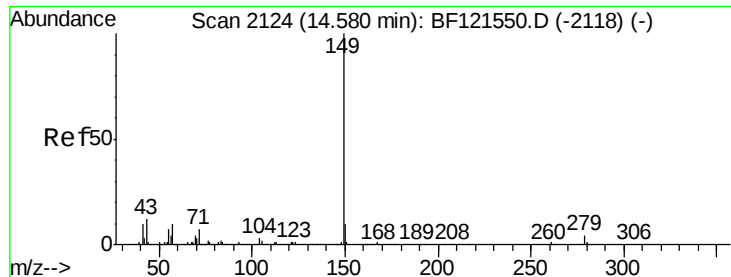
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.141 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121754.D
 Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.8	32.6
279	4.1	3.9	5.9





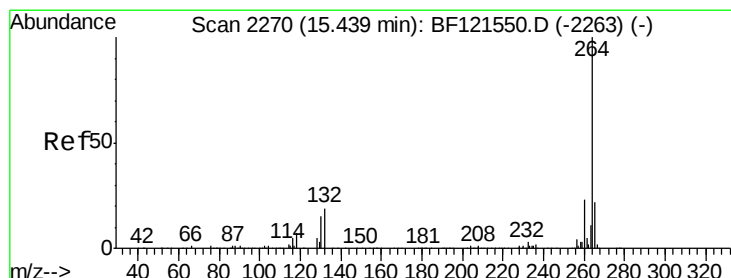
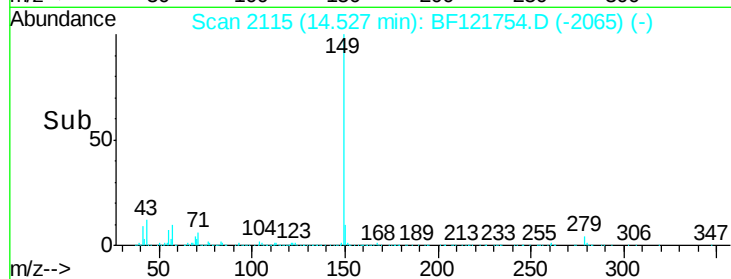
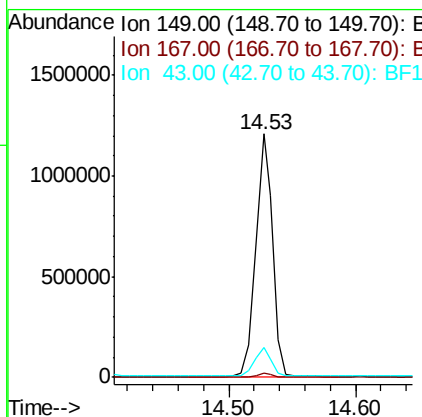
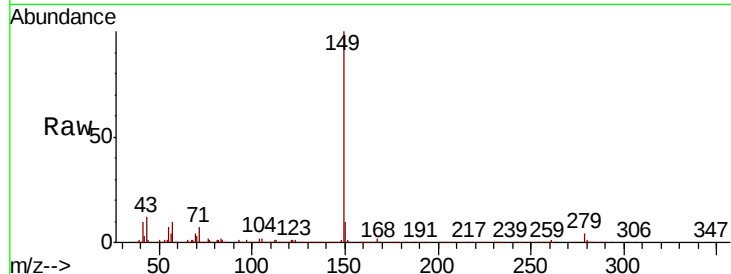
#85
Di-n-octyl phthalate
Concen: 46.653 ng
RT: 14.53 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	9.0	13.6

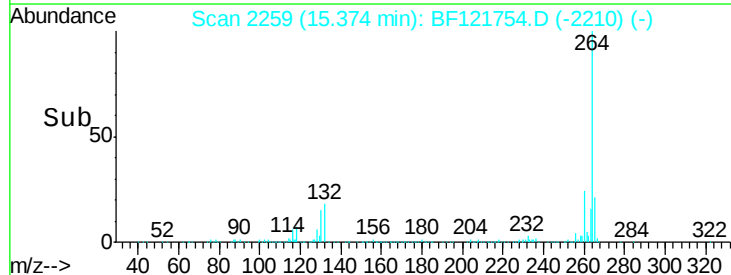
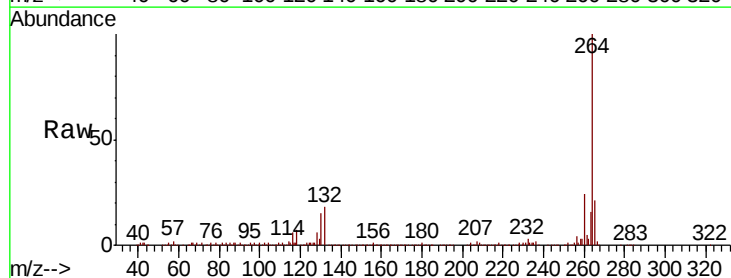
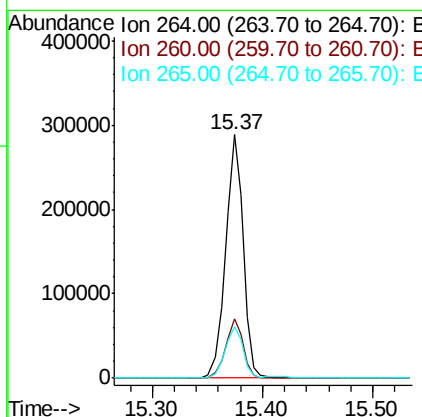
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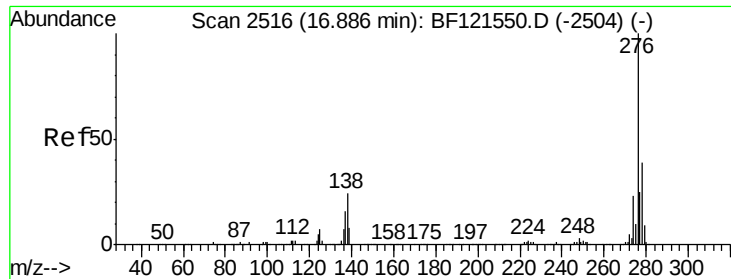
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	21.3	17.3	25.9





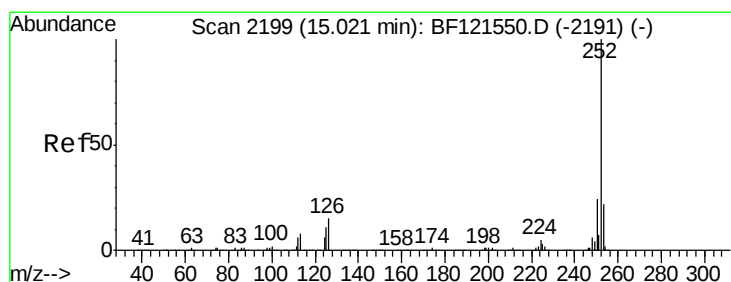
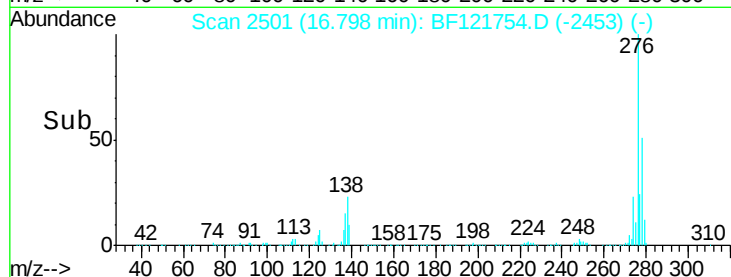
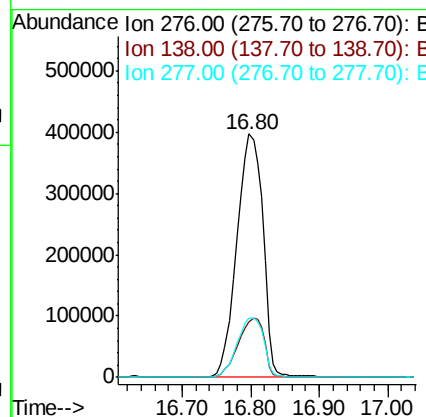
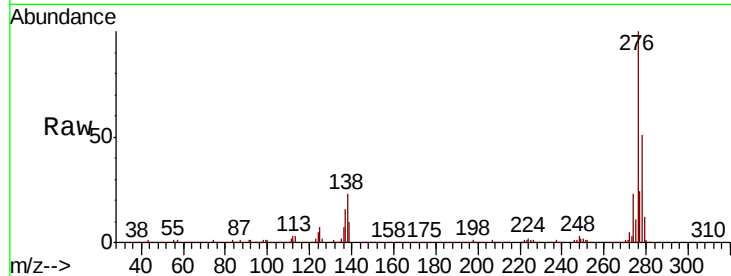
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.075 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.02 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.4	29.0
277	24.9	20.4	30.6

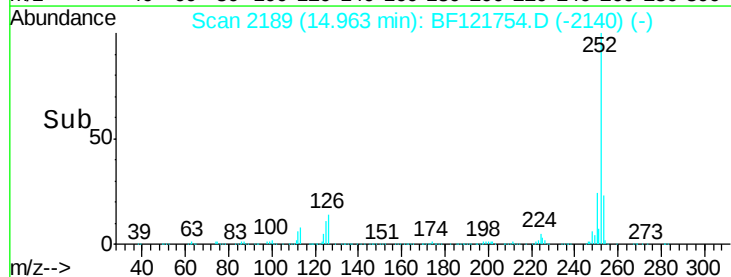
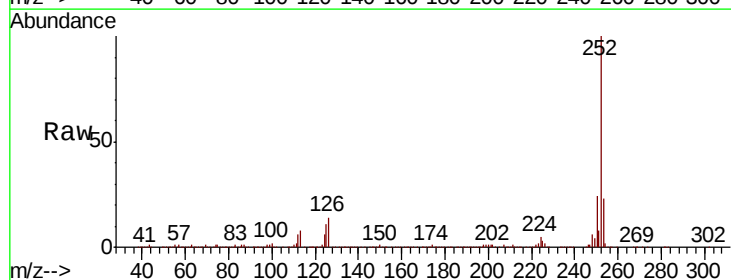
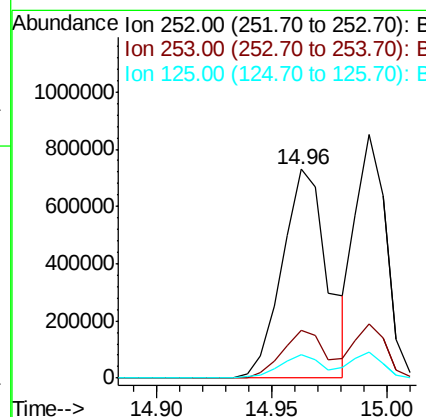
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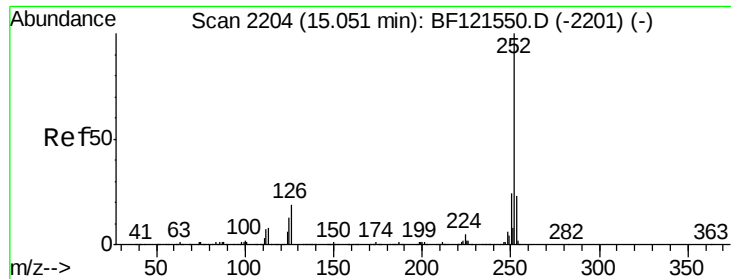
mohammad
10/1/2020 1:32:35 PM



#88
Benzo(b)fluoranthene
Concen: 46.287 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	11.1	8.0	12.0





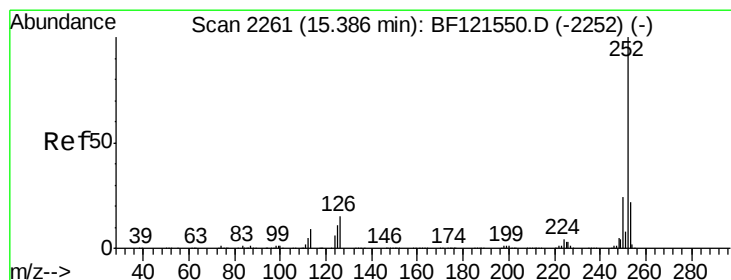
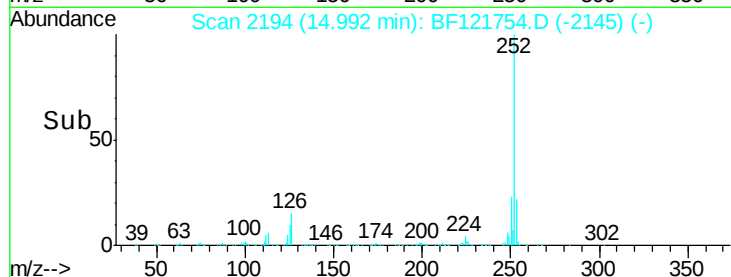
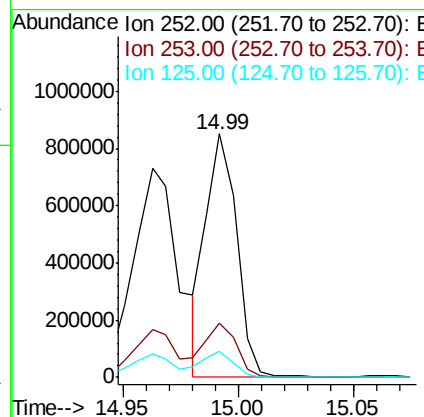
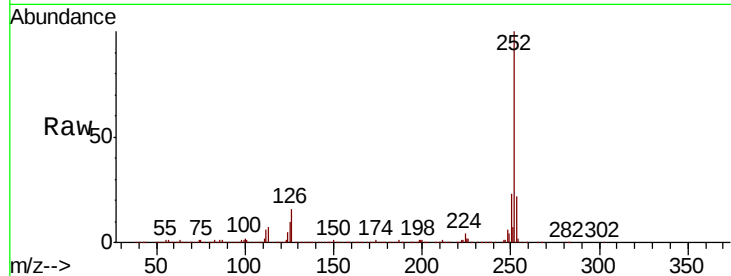
#89
Benzo(k)fluoranthene
Concen: 39.566 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.5	7.8	11.6

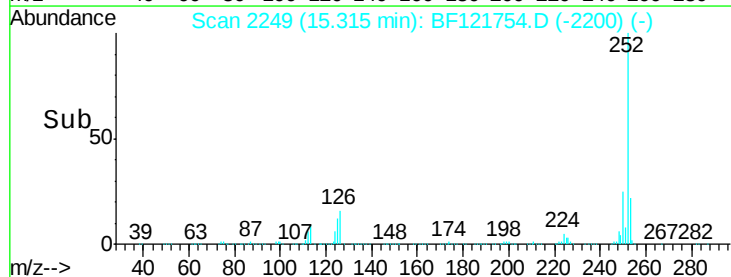
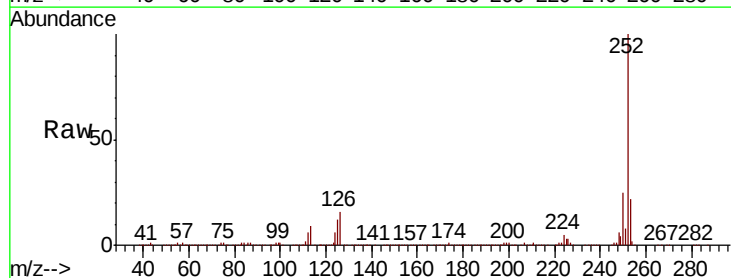
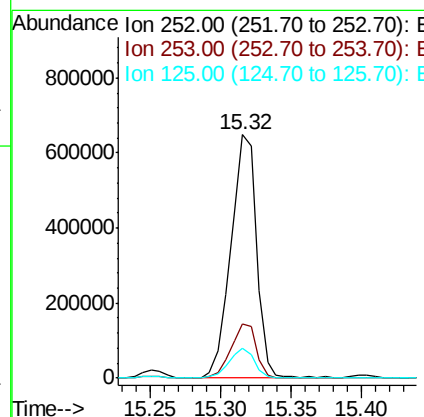
Manual Integrations
APPROVED

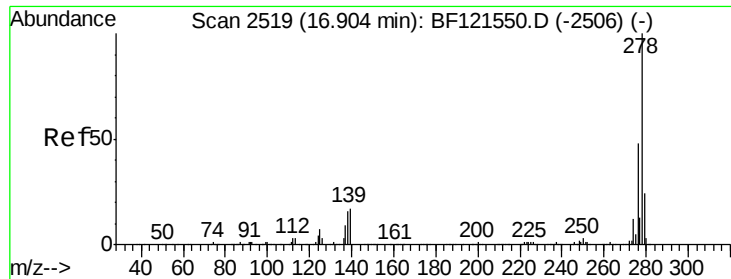
mohammad
10/1/2020 1:32:35 PM



#90
Benzo(a)pyrene
Concen: 44.589 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	12.2	9.2	13.8





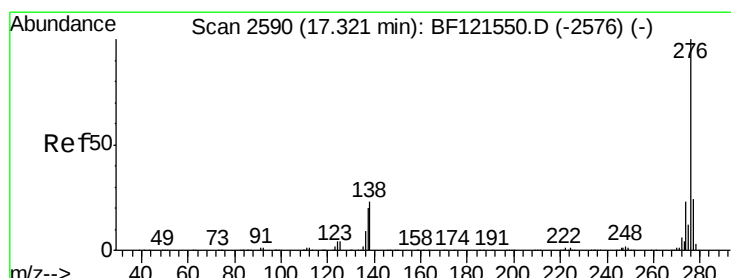
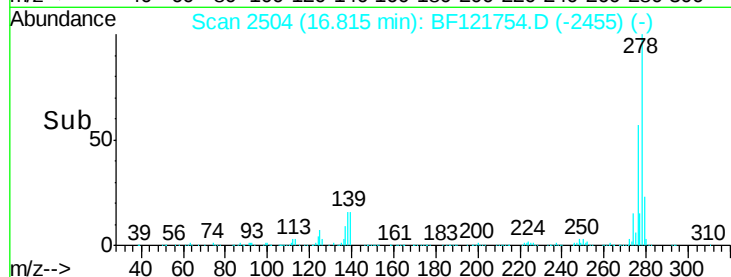
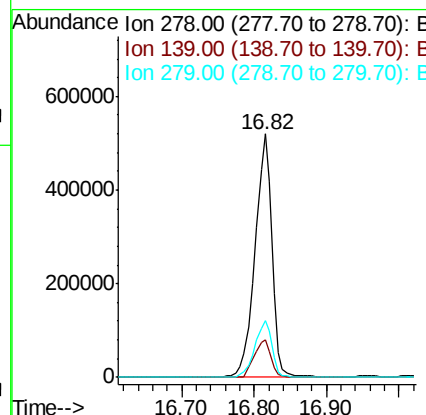
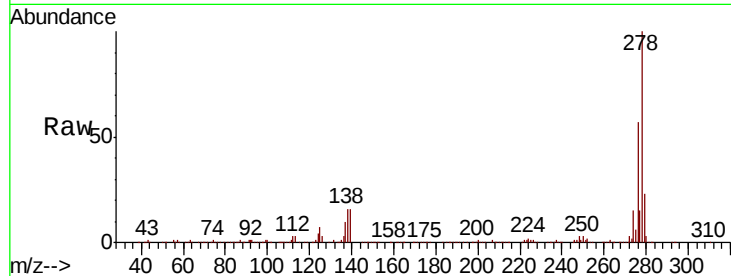
#91
Dibenzo(a,h)anthracene
Concen: 48.207 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-10-20MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.5	18.7
279	23.4	19.2	28.8

Manual Integrations
APPROVED

mohammad
10/1/2020 1:32:35 PM



#92
Benzo(g,h,i)perylene
Concen: 52.000 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF121754.D
Acq: 30 Sep 2020 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	21.3	16.7	25.1

