

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120075.D
 Acq On : 20 Apr 2020 14:02
 Operator : MA/SJ
 Sample : PB128301BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Manual Integrations
 APPROVED

mohammad
 4/21/2020 2:54:35 PM

Quant Time: Apr 20 14:38:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	121925	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	474218	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	252222	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	469788	20.00	ng	0.00
76) Chrysene-d12	13.89	240	293552	20.00	ng	0.00
87) Perylene-d12	15.32	264	353993	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	980268	138.94	ng	0.01
7) Phenol-d6	6.36	99	1277255	140.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	785595	85.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	340192	110.16	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1570865	88.43	ng	0.00
79) Terphenyl-d14	12.84	244	1515730	86.88	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.40	88	125081	39.805	ng	99
3) Pyridine	3.10	79	353958	41.055	ng	99
4) n-Nitrosodimethylamine	3.05	42	203648	46.231	ng	98
6) Aniline	6.37	93	309441	25.934	ng	# 44
8) 2-Chlorophenol	6.50	128	401299	50.908	ng	99
9) Benzaldehyde	6.26	77	167404	31.161	ng	98
10) Phenol	6.37	94	498131	48.299	ng	95
11) bis(2-Chloroethyl)ether	6.45	93	374073	46.975	ng	97
12) 1,3-Dichlorobenzene	6.65	146	402682	46.660	ng	97
13) 1,4-Dichlorobenzene	6.73	146	407297	46.330	ng	97
14) 1,2-Dichlorobenzene	6.89	146	386391	47.692	ng	96
15) Benzyl Alcohol	6.86	79	337183	47.754	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	677829	43.742	ng	97
17) 2-Methylphenol	6.98	107	325372	46.252	ng	97
18) Hexachloroethane	7.23	117	152173	46.317	ng	93
19) n-Nitroso-di-n-propylamine	7.13	70	277036	47.390	ng	97
20) 3+4-Methylphenols	7.13	107	413095	48.013	ng	# 89
22) Acetophenone	7.13	105	538152	48.462	ng	# 97
24) Nitrobenzene	7.30	77	421621	45.723	ng	99
25) Isophorone	7.54	82	768021	43.464	ng	98
26) 2-Nitrophenol	7.62	139	216968	47.096	ng	99
27) 2,4-Dimethylphenol	7.66	122	340973	49.074	ng	100
28) bis(2-Chloroethoxy)methane	7.76	93	485379	46.680	ng	99
29) 2,4-Dichlorophenol	7.86	162	333006	46.758	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	357324	44.279	ng	99
31) Naphthalene	8.02	128	1156754	46.363	ng	100
32) Benzoic acid	7.80	122	249033	40.811	ng	96
33) 4-Chloroaniline	8.07	127	128622	11.842	ng	98
34) Hexachlorobutadiene	8.14	225	204453	42.324	ng	99
35) Caprolactam	8.45	113	98954m	45.421	ng	
36) 4-Chloro-3-methylphenol	8.57	107	364515	47.274	ng	98
37) 2-Methylnaphthalene	8.72	142	783526	46.320	ng	98
38) 1-Methylnaphthalene	8.82	142	744963	46.725	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	349981	43.933	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	375342	82.859	nq	100
43) 2,4,6-Trichlorophenol	9.00	196	244234	44.398	nq	99
44) 2,4,5-Trichlorophenol	9.05	196	256422	41.386	nq	94
46) 1,1'-Biphenyl	9.19	154	953014	44.766	nq	99
47) 2-Chloronaphthalene	9.21	162	727602	44.366	nq	100
48) 2-Nitroaniline	9.30	65	250444	42.140	nq	98
49) Acenaphthylene	9.62	152	1148734	46.058	nq	100
50) Dimethylphthalate	9.49	163	853847	43.767	nq	99
51) 2,6-Dinitrotoluene	9.55	165	187748	43.947	nq	90
52) Acenaphthene	9.80	154	691446	41.560	nq	100
53) 3-Nitroaniline	9.72	138	90064	18.459	nq	97
54) 2,4-Dinitrophenol	9.83	184	213491	83.469	nq	99
55) Dibenzofuran	9.97	168	1050325	46.005	nq	99
56) 4-Nitrophenol	9.90	139	305534	84.161	nq	92
57) 2,4-Dinitrotoluene	9.96	165	245578	43.630	nq	94
58) Fluorene	10.31	166	814306	44.598	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.09	232	212421	44.827	nq	99
60) Diethylphthalate	10.19	149	876233	43.335	nq	98
61) 4-Chlorophenyl-phenylether	10.30	204	396877	42.409	nq	98
62) 4-Nitroaniline	10.34	138	195673	42.081	nq	96
63) Azobenzene	10.46	77	823709	45.457	nq	98
65) 4,6-Dinitro-2-methylphenol	10.37	198	140620	45.435	nq	89
66) n-Nitrosodiphenylamine	10.43	169	720574	46.120	nq	98
67) 4-Bromophenyl-phenylether	10.79	248	240564	41.176	nq	96
68) Hexachlorobenzene	10.86	284	255165	43.053	nq	95
69) Atrazine	10.96	200	222139	51.101	nq	99
70) Pentachlorophenol	11.06	266	266895	78.143	nq	98
71) Phenanthrene	11.27	178	1144715	45.784	nq	99
72) Anthracene	11.33	178	1183957	46.354	nq	99
73) Carbazole	11.48	167	1048486	43.408	nq	99
74) Di-n-butylphthalate	11.82	149	1205578	37.968	nq	99
75) Fluoranthene	12.46	202	1041733	38.615	nq	99
77) Benzidine	12.59	184	384095	38.708	nq	95
78) Pyrene	12.69	202	1038899	41.981	nq	99
80) Butylbenzylphthalate	13.32	149	480729	40.034	nq	99
81) Benzo(a)anthracene	13.88	228	875601	45.340	nq	99
82) 3,3'-Dichlorobenzidine	13.84	252	177296	24.605	nq	96
83) Chrysene	13.92	228	875284	44.606	nq	100
84) Bis(2-ethylhexyl)phthalate	13.88	149	690779	42.480	nq	99
85) Di-n-octyl phthalate	14.49	149	1173813	42.395	nq	99
86) Indeno(1,2,3-cd)pyrene	16.70	276	902379	52.170	nq	98
88) Benzo(b)fluoranthene	14.91	252	1006243	39.514	nq	98
89) Benzo(k)fluoranthene	14.94	252	829336	37.745	nq	97
90) Benzo(a)pyrene	15.26	252	966998	45.163	nq	98
91) Dibenzo(a,h)anthracene	16.73	278	742759	39.163	nq	99
92) Benzo(g,h,i)perylene	17.13	276	706903	37.759	nq	99

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



#1

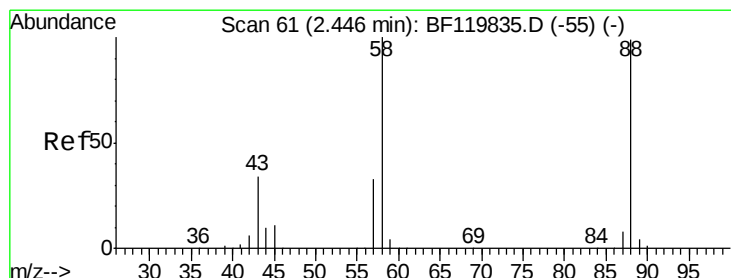
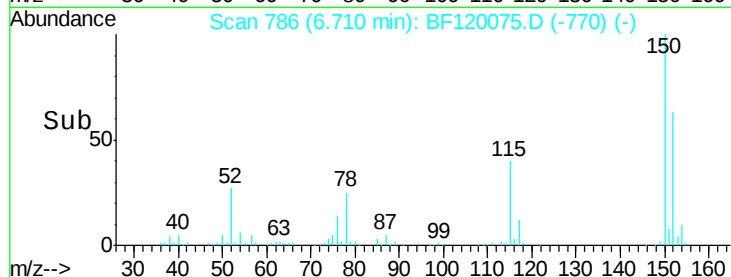
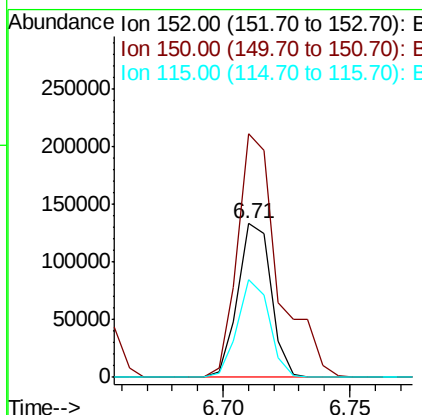
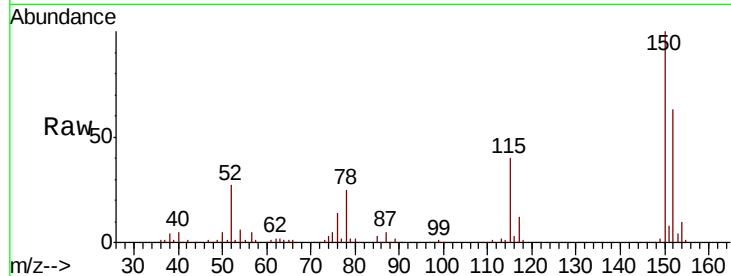
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.8	187.2
115	63.4	46.5	69.7

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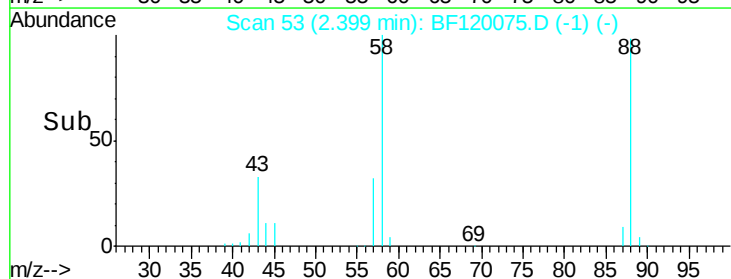
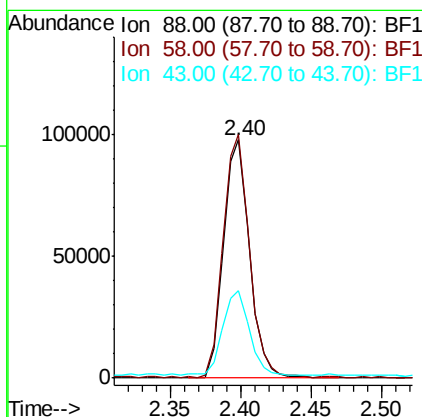
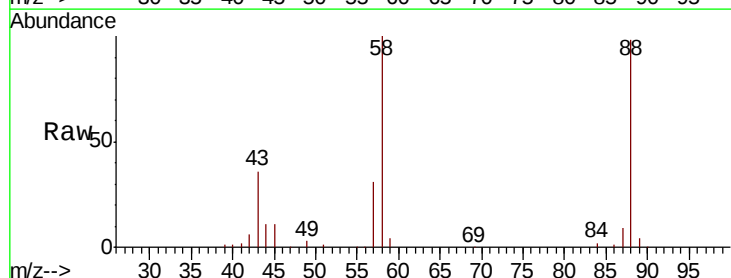
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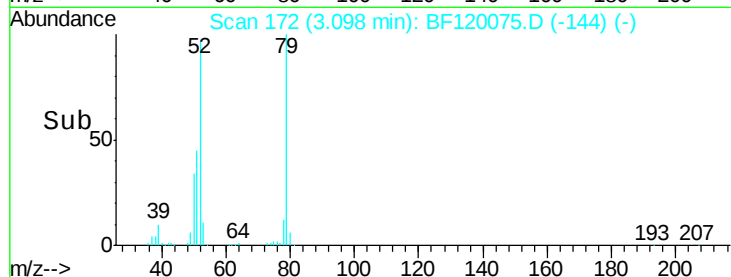
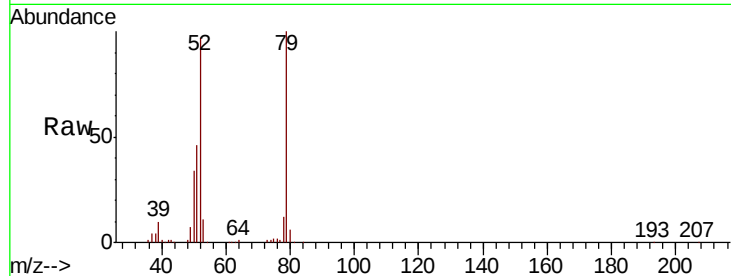
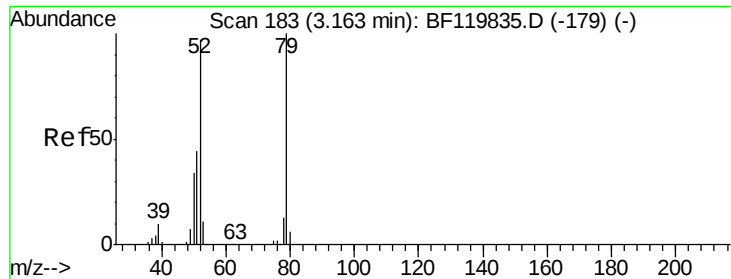


#2

1,4-Dioxane
Concen: 39.805 ng
RT: 2.40 min Scan# 53
Delta R.T. 0.06 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	103.7	82.6	123.8
43	36.6	28.6	42.8





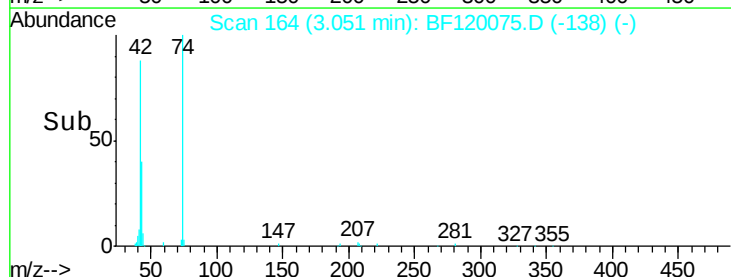
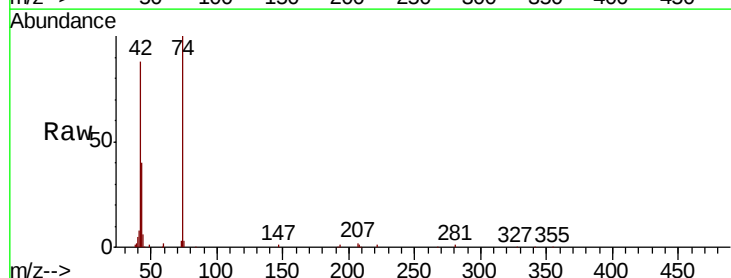
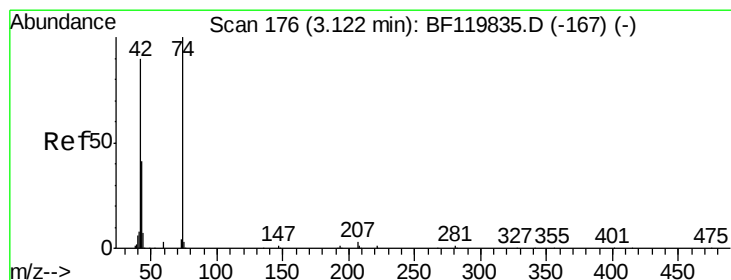
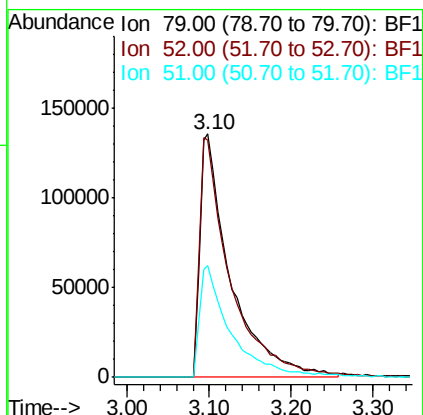
#3
 Pvridine
 Concen: 41.055 ng
 RT: 3.10 min Scan# 172
 Delta R.T. 0.06 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100			
52	52	97.5		77.4	116.0
51	51	45.7		35.3	52.9

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

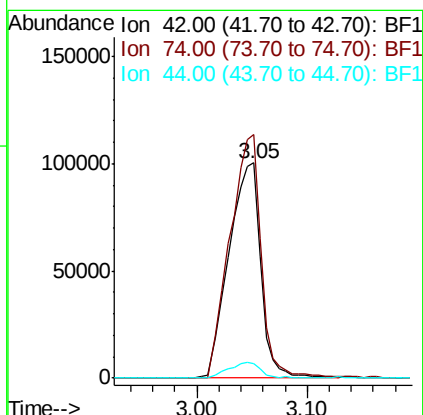
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#4
 n-Nitrosodimethylamine
 Concen: 46.231 ng
 RT: 3.05 min Scan# 164
 Delta R.T. 0.05 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100			
74	74	113.0		89.0	133.4
44	44	6.9		6.2	9.4





#5

2-Fluorophenol

Concen: 138.945 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

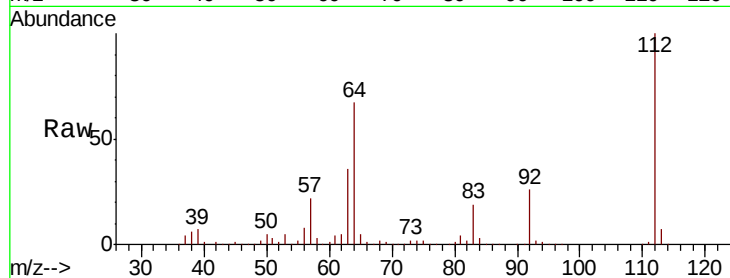
ClientSampleId :

PB128301BS

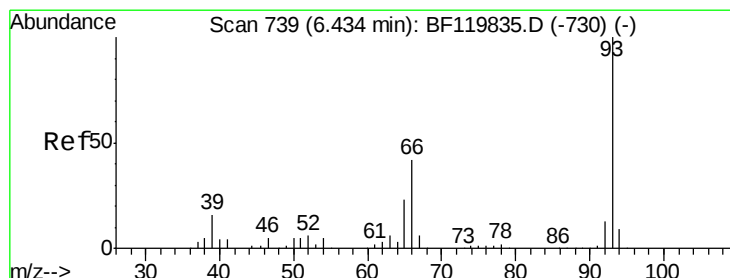
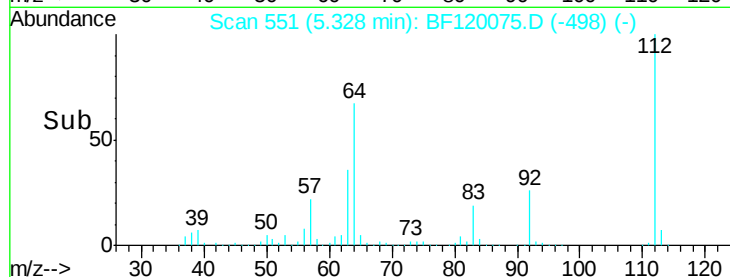
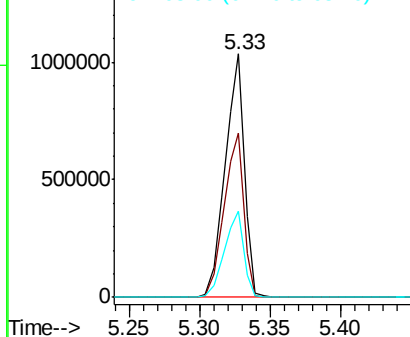
Tot Ion:	112	Resp:	980268
Ion Ratio	Lower	Upper	
112	100		
64	67.5	55.5	83.3
63	35.7	29.1	43.7

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.934 ng

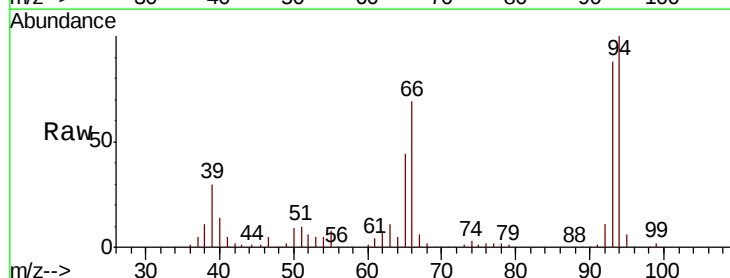
RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

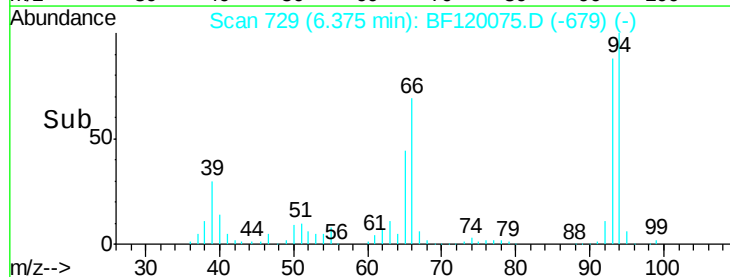
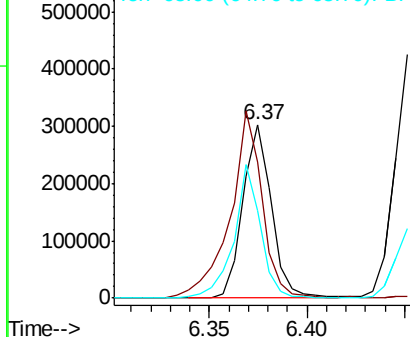
Lab File: BF120075.D

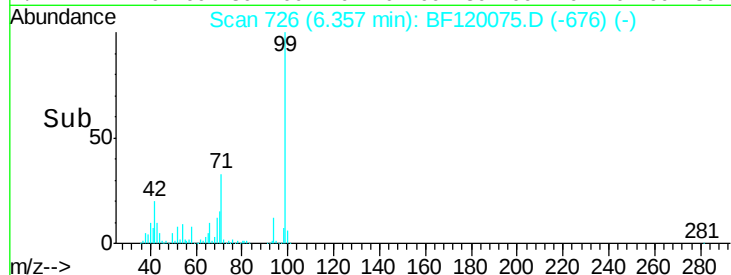
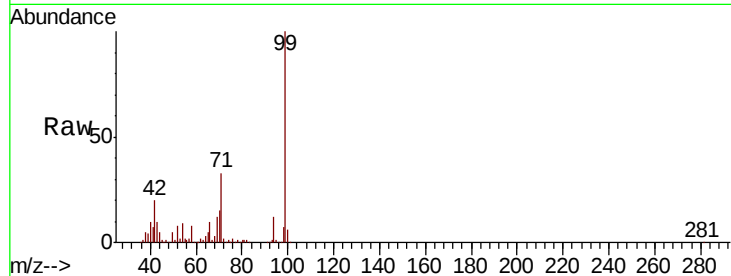
Acq: 20 Apr 2020 14:02

Tgt Ion:	93	Resp:	309441
Ion Ratio	Lower	Upper	
93	100		
66	78.5	34.2	51.2#
65	50.3	18.3	27.5#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 140.499 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tot Ion: 99 Resp: 1277255

Ion Ratio Lower Upper

99 100

42 20.4 16.9 25.3

71 32.9 26.3 39.5

Instrument :

BNA_F

ClientSampleId :

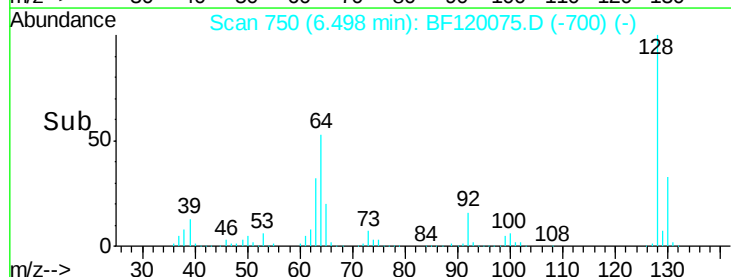
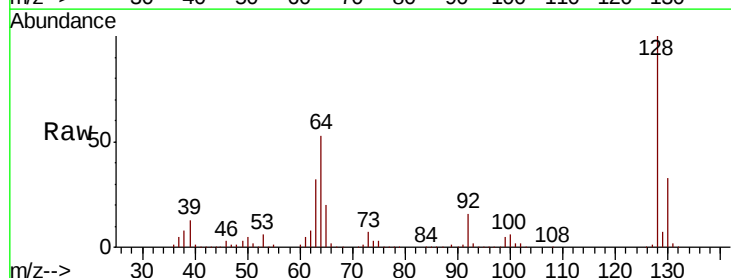
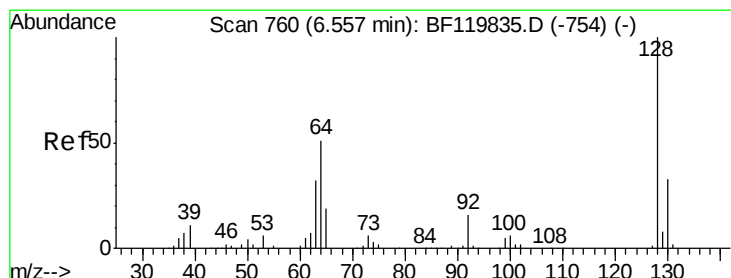
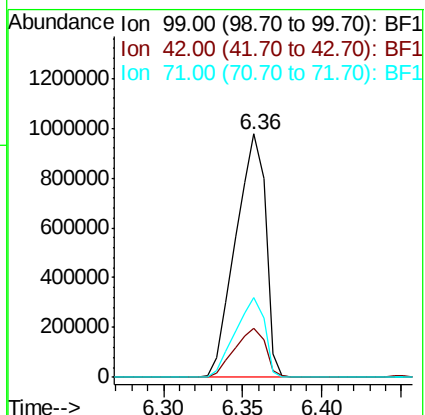
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#8

2-Chlorophenol

Concen: 50.908 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

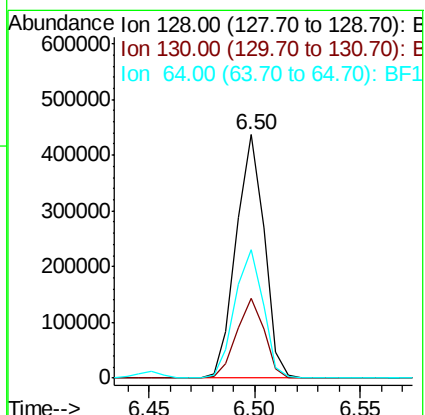
Tgt Ion: 128 Resp: 401299

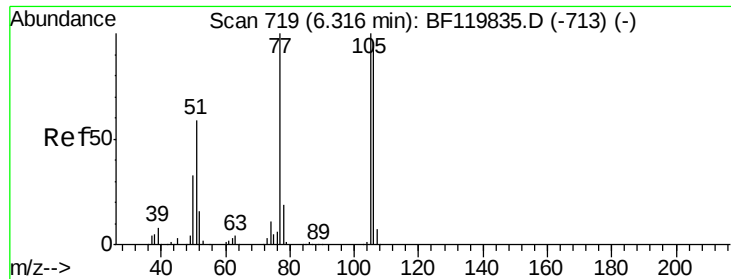
Ion Ratio Lower Upper

128 100

130 32.9 12.6 52.6

64 52.5 32.0 72.0





#9

Benzaldehyde

Concen: 31.161 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

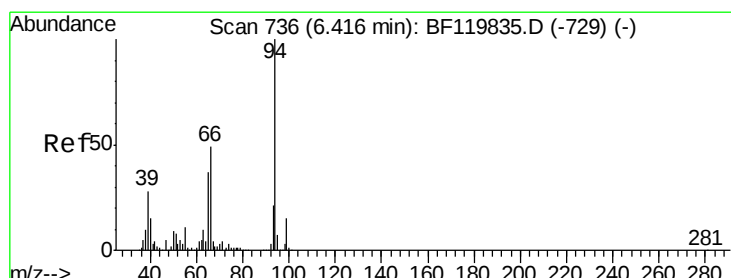
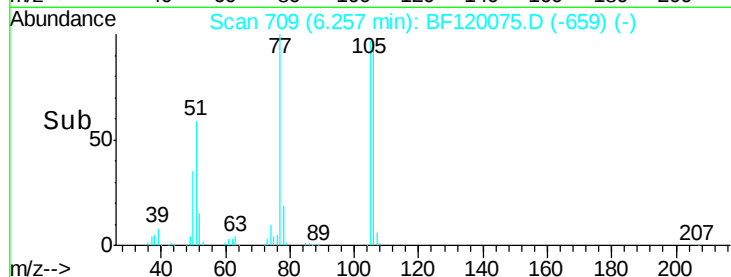
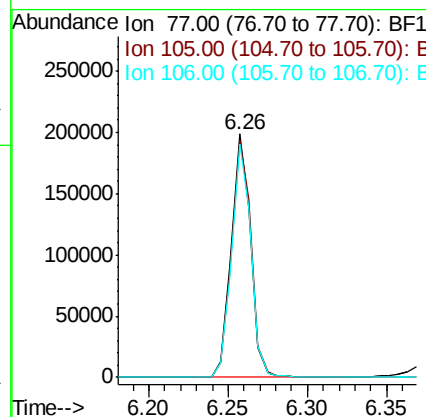
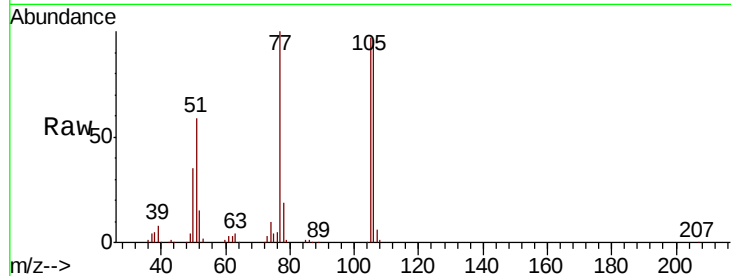
ClientSampled :

PB128301BS

Tot Ion:	77	Resp:	167404
Ion Ratio	Lower	Upper	
77	100		
105	97.2	79.9	119.9
106	95.8	76.4	116.4

Manual Integrations
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#10

Phenol

Concen: 48.299 ng

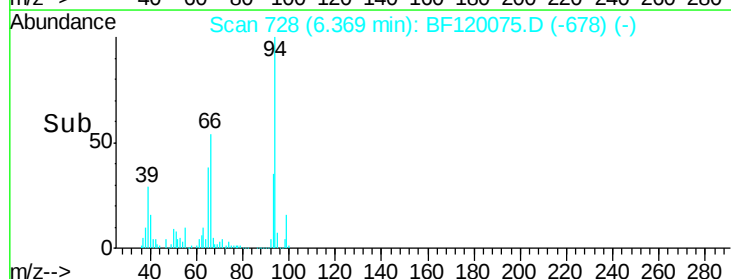
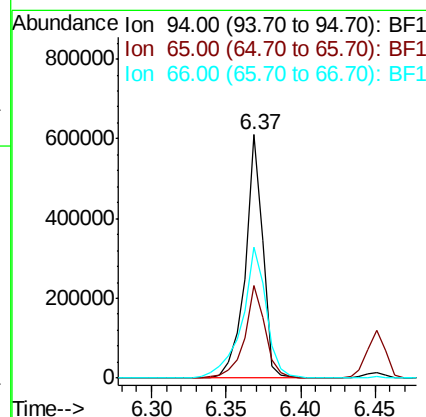
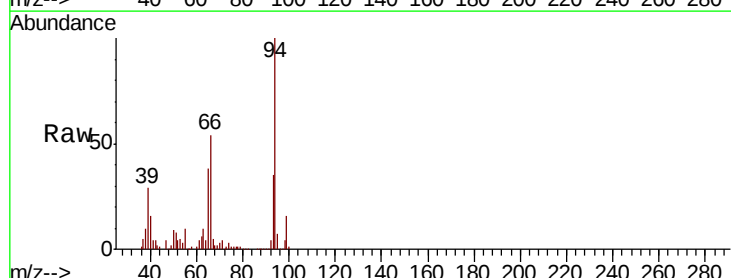
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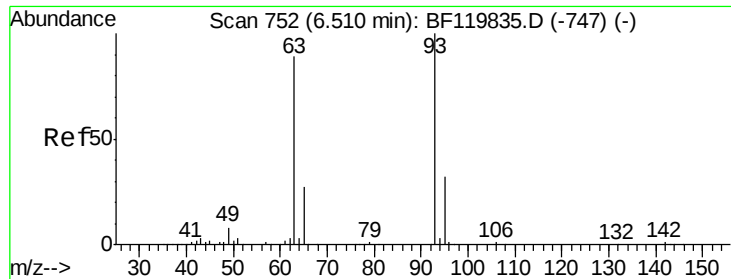
Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	94	Resp:	498131
Ion Ratio	Lower	Upper	
94	100		
65	38.3	16.6	56.6
66	53.6	29.3	69.3





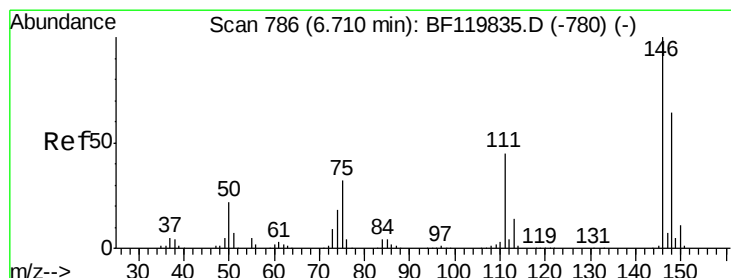
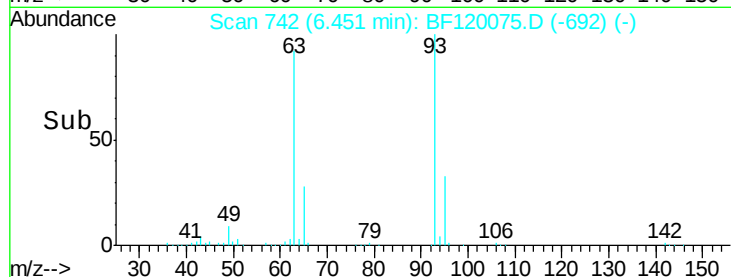
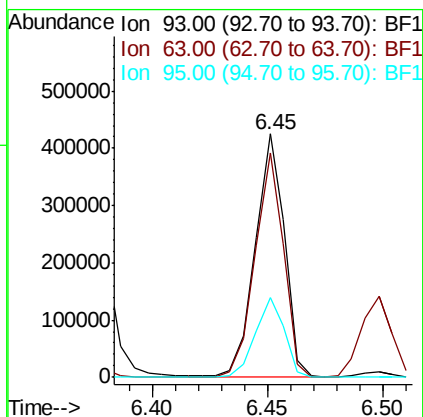
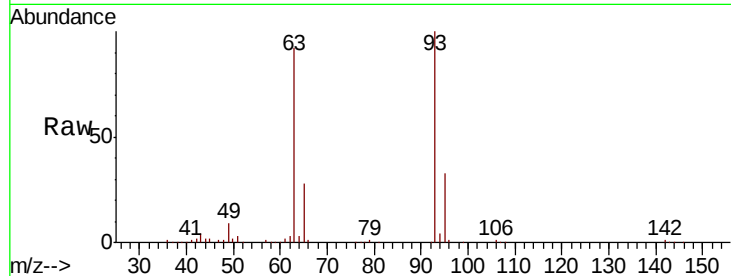
#11
bis(2-Chloroethyl)ether
Concen: 46.975 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	92.1	69.1	109.1
95	32.7	12.3	52.3

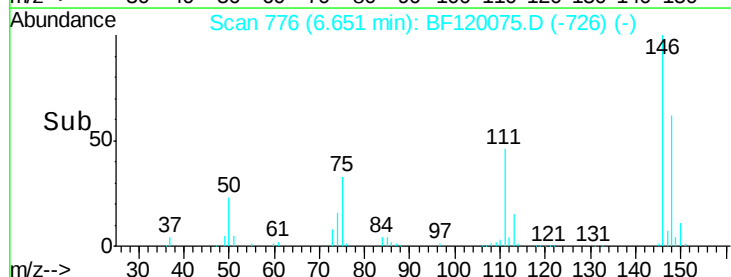
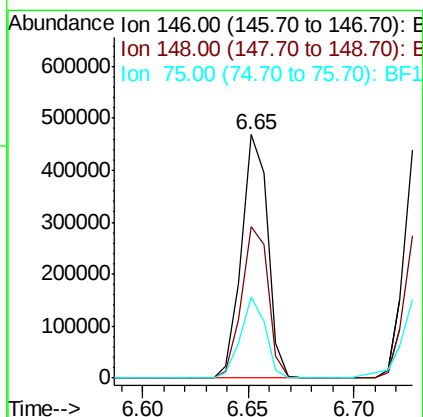
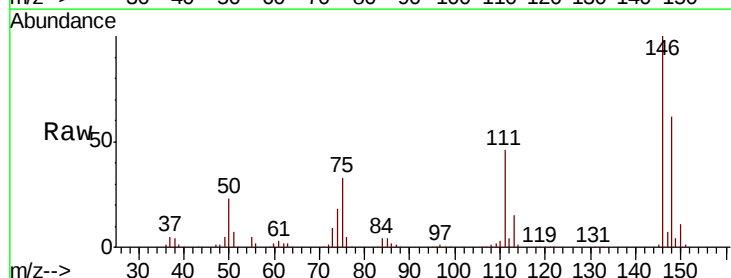
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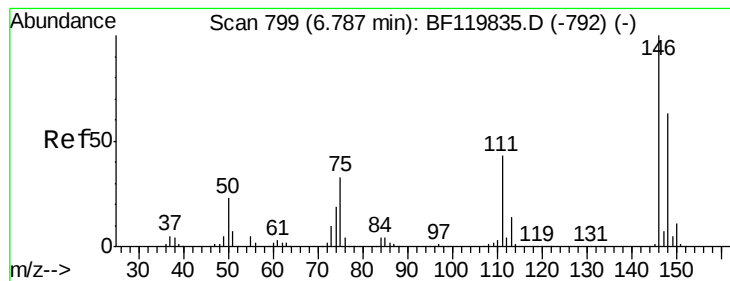
mohammad
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#12
1,3-Dichlorobenzene
Concen: 46.660 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.3	76.9
75	33.4	25.3	37.9





#13

1,4-Dichlorobenzene

Concen: 46.330 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

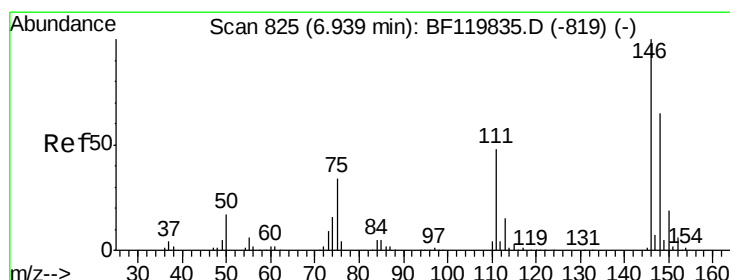
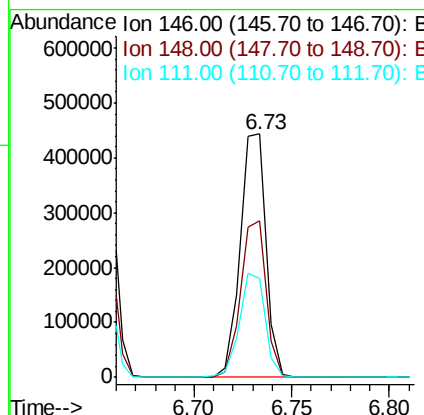
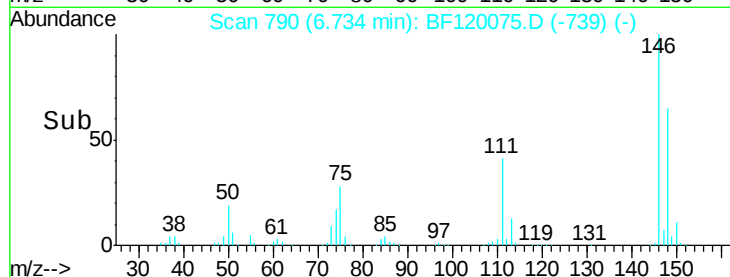
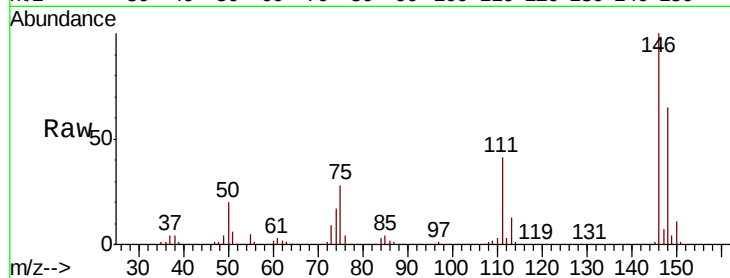
ClientSampleId :

PB128301BS

Tot Ion:	146	Resp:	407297
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.5	75.7
111	40.8	34.7	52.1

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#14

1,2-Dichlorobenzene

Concen: 47.692 ng

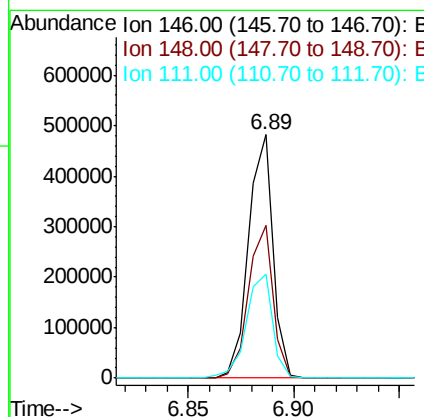
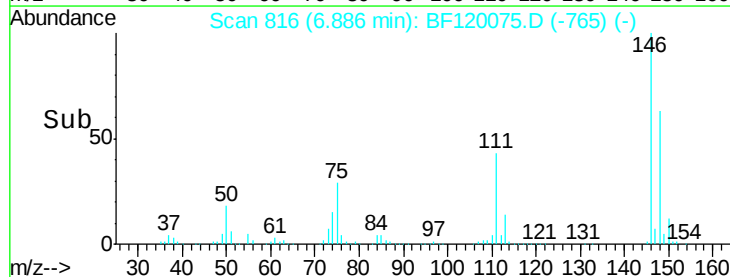
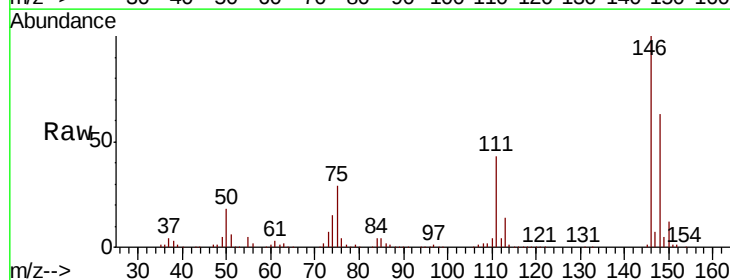
RT: 6.89 min Scan# 816

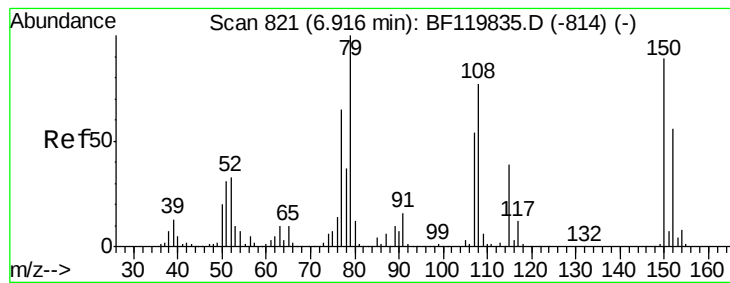
Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	146	Resp:	386391
Ion Ratio	Lower	Upper	
146	100		
148	62.6	51.8	77.8
111	43.0	38.0	57.0





#15

Benzyl Alcohol

Concen: 47.754 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

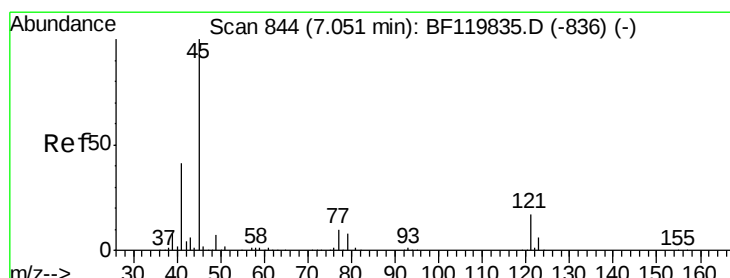
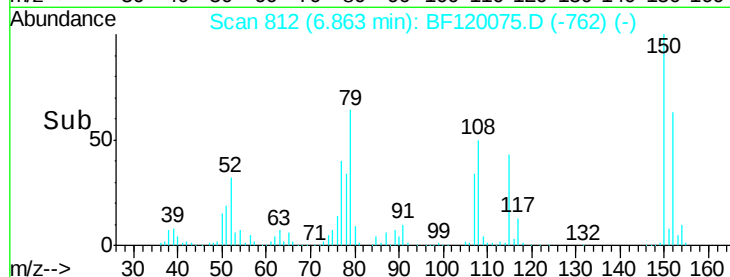
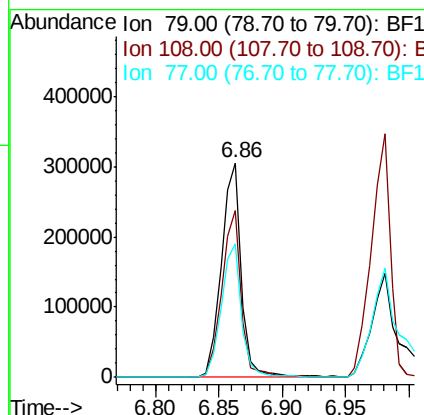
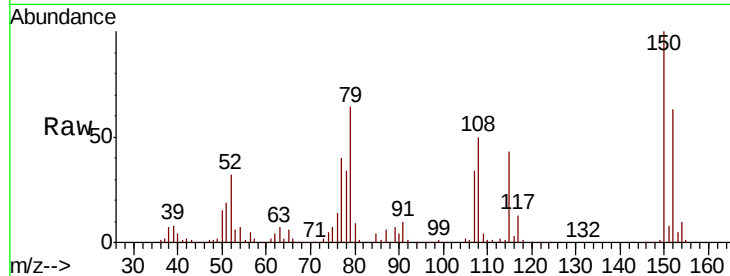
ClientSampleID :

PB128301BS

Tot Ion:	79	Resp:	337183
Ion Ratio	Lower	Upper	
79	100		
108	77.9	62.0	93.0
77	62.3	51.8	77.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.742 ng

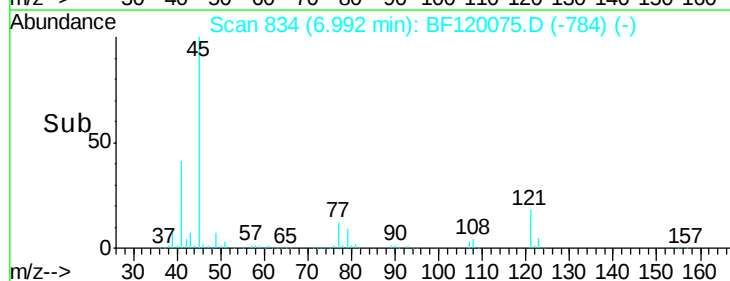
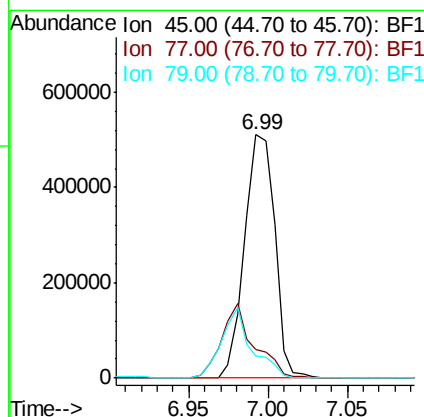
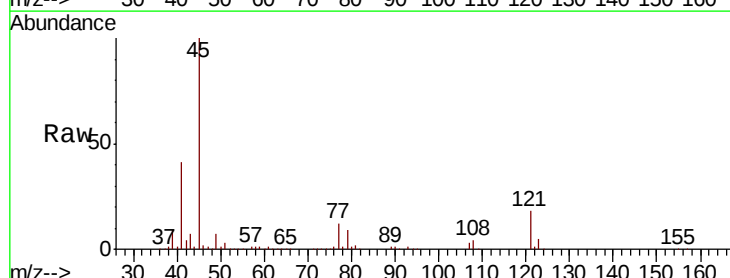
RT: 6.99 min Scan# 834

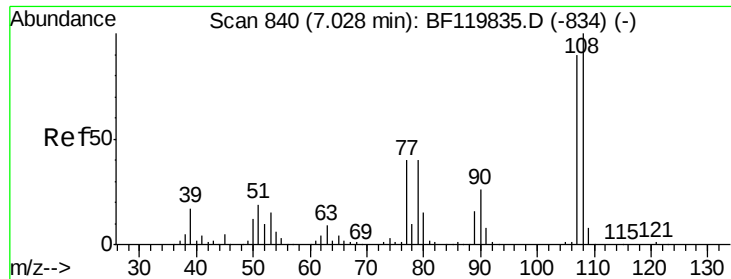
Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	45	Resp:	677829
Ion Ratio	Lower	Upper	
45	100		
77	11.9	0.0	30.7
79	9.4	0.0	28.6





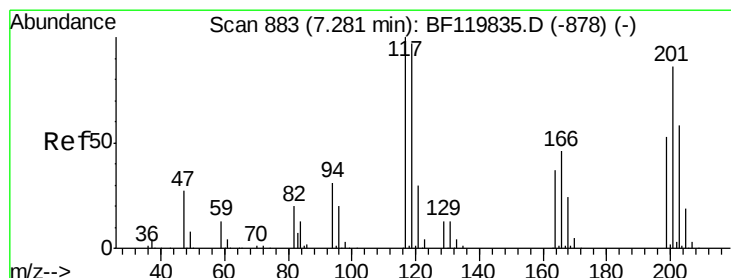
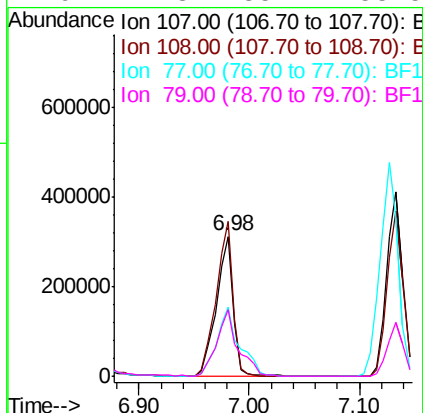
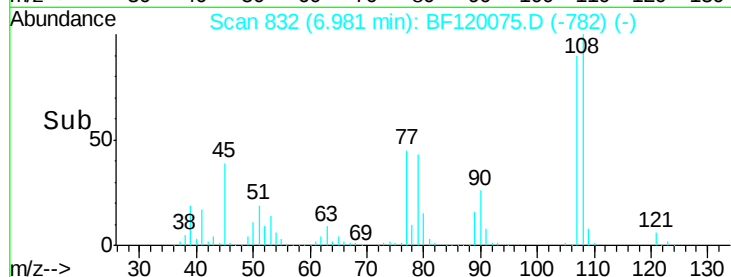
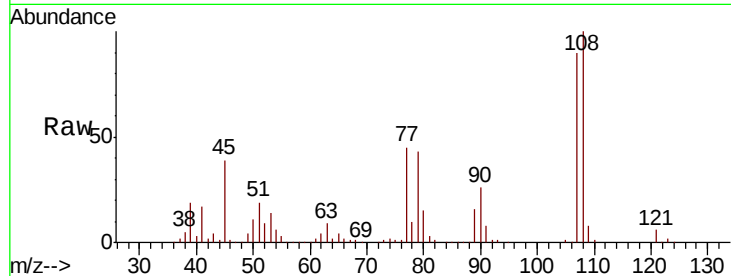
#17
2-Methylphenol
Concen: 46.252 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.8	88.8	133.2	
77	49.7	36.0	54.0	
79	47.3	35.7	53.5	

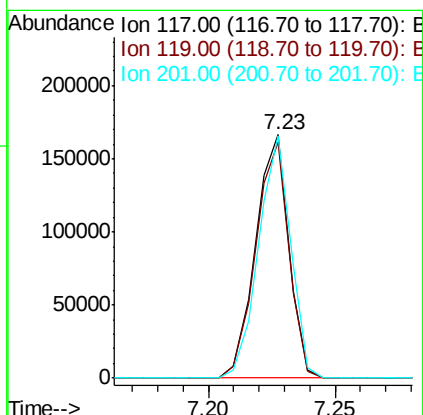
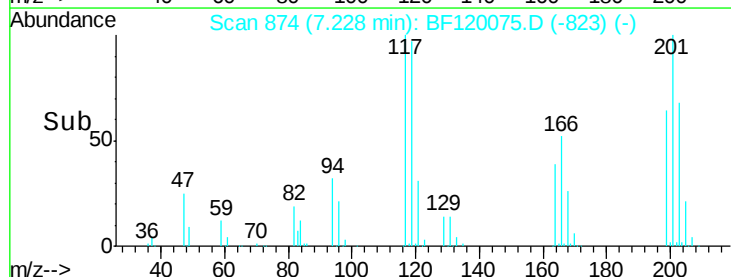
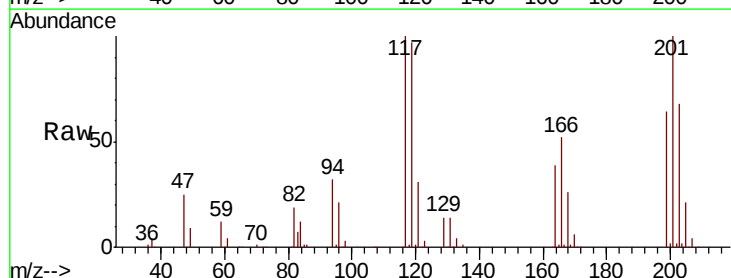
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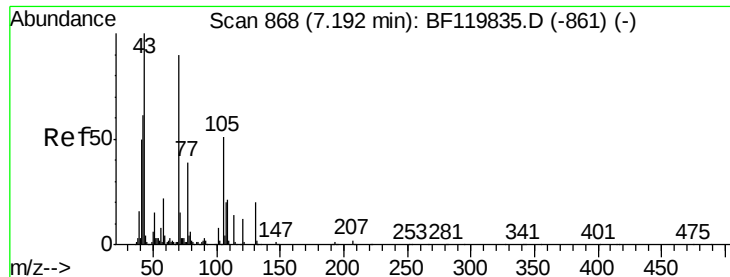
mohammad
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#18
Hexachloroethane
Concen: 46.317 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.0	77.4	116.0	
201	99.5	68.4	102.6	





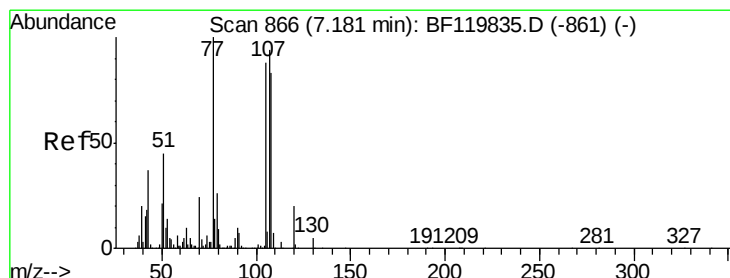
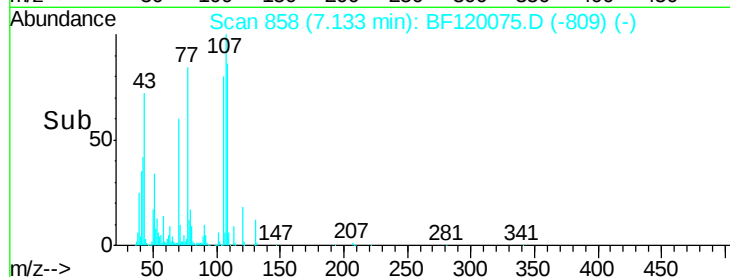
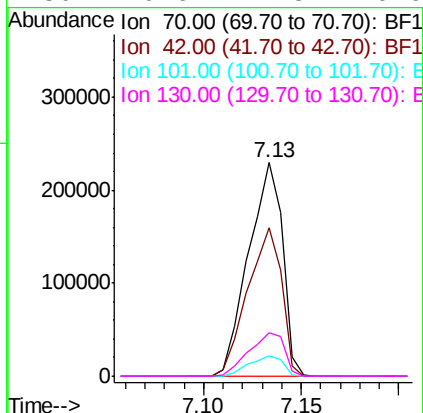
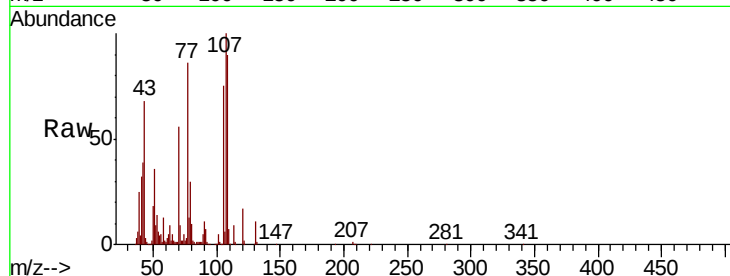
#19
n-Nitroso-di-n-propylamine
Concen: 47.390 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.8	54.2	81.4
101	9.7	7.4	11.2
130	20.6	17.8	26.6

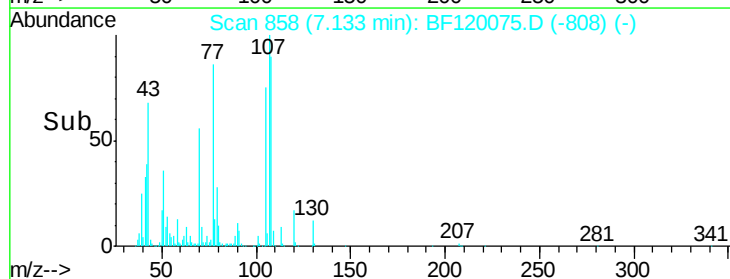
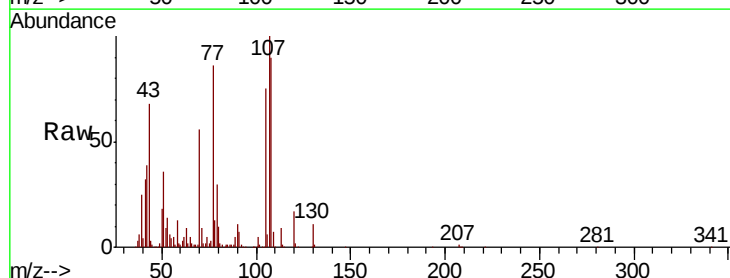
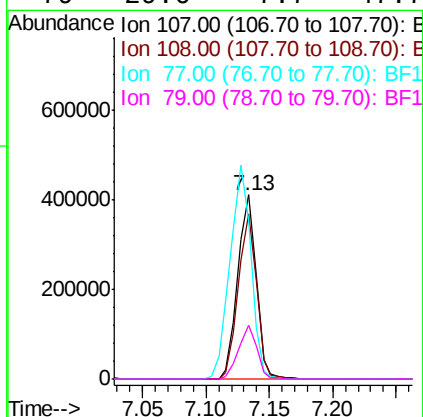
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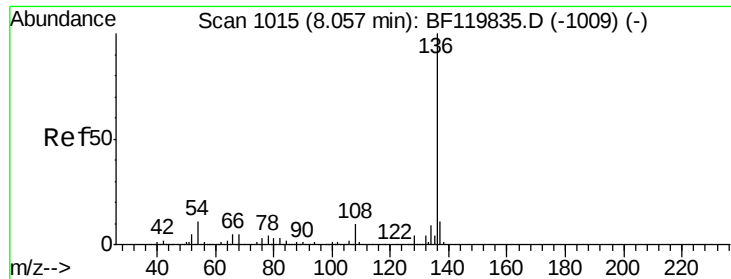
mohammad
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#20
3+4-Methylphenols
Concen: 48.013 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.2	108.2
77	86.3	86.6	126.6#
79	29.6	7.7	47.7





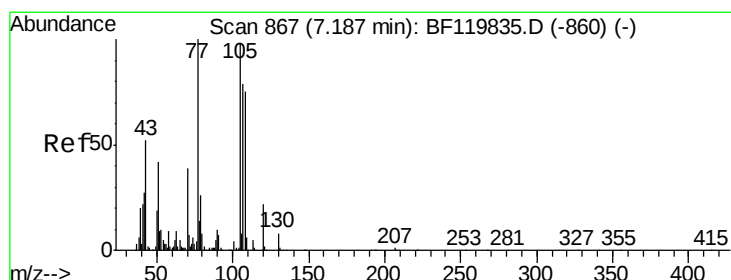
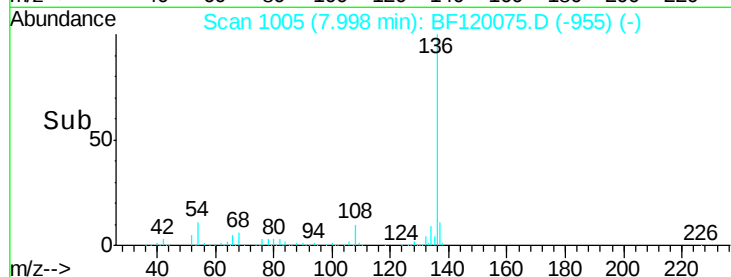
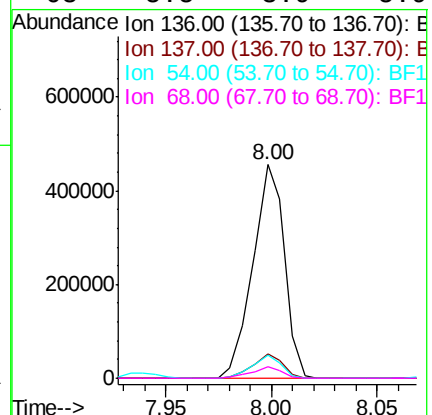
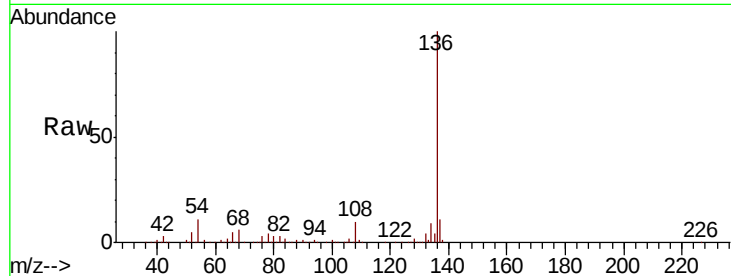
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		474218		
137	11.3	8.7	13.1		
54	10.9	8.5	12.7		
68	5.5	3.9	5.9		

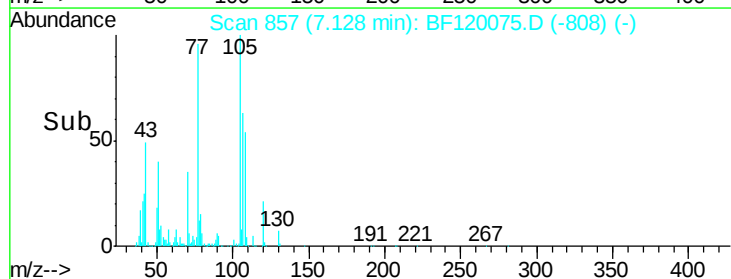
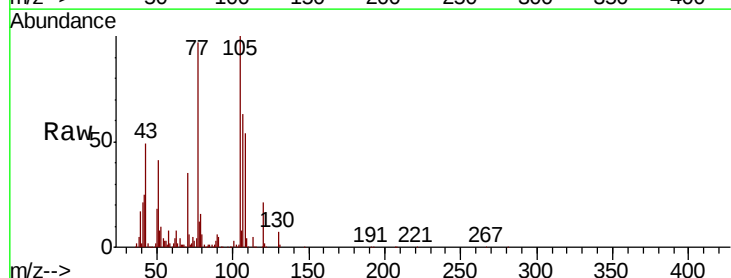
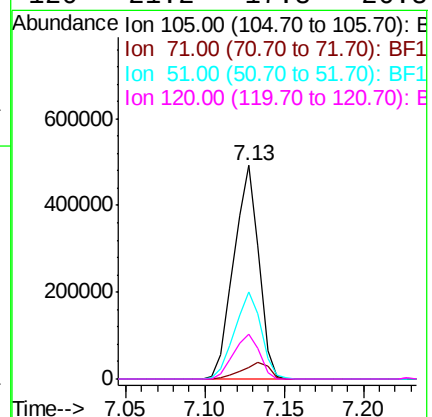
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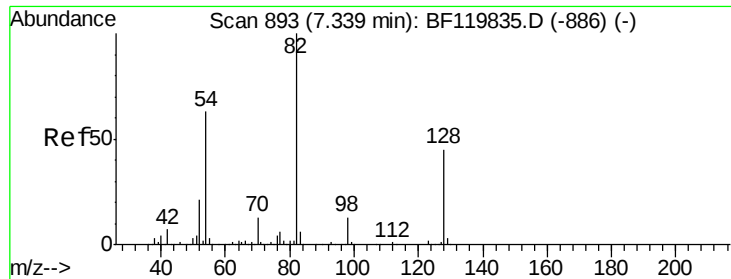
mohammad
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#22
Acetophenone
Concen: 48.462 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		538152		
71	5.6	5.6	8.4#		
51	40.7	33.9	50.9		
120	21.2	17.8	26.8		





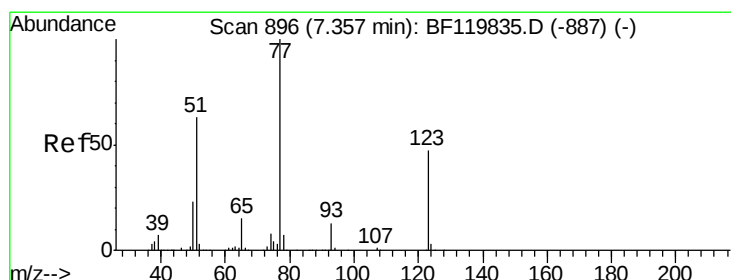
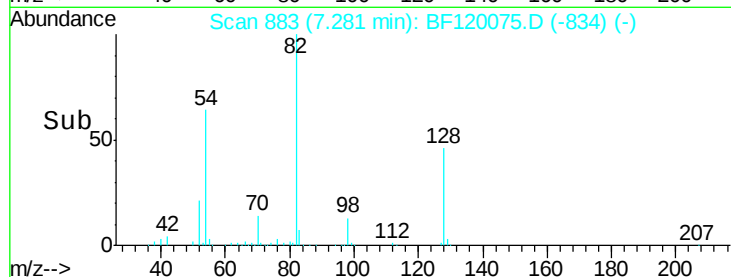
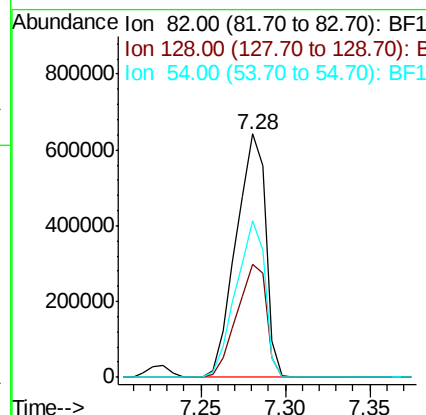
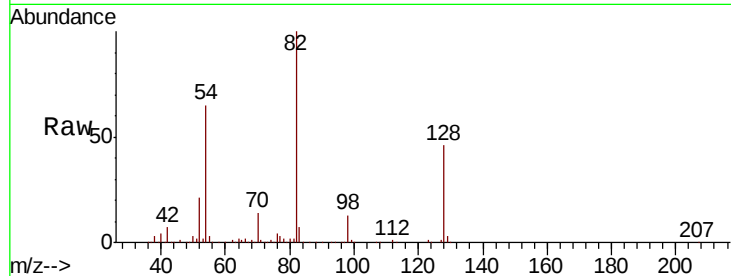
#23
Nitrobenzene-d5
Concen: 85.702 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.4
54	64.5	50.4	75.6

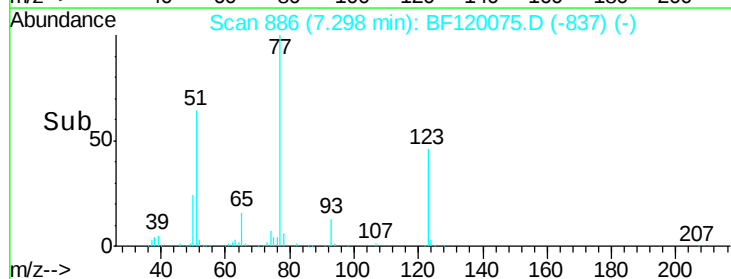
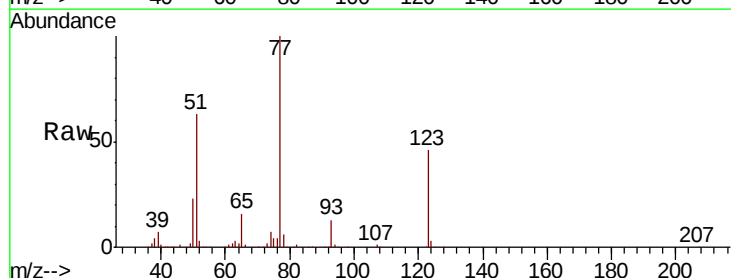
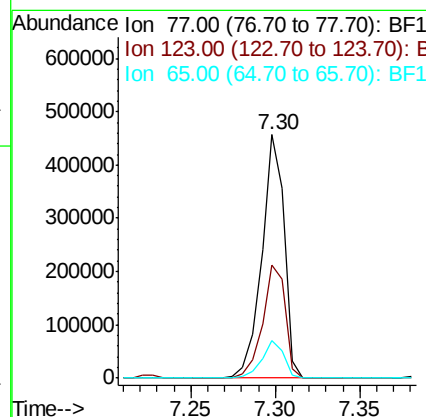
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#24
Nitrobenzene
Concen: 45.723 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.8	56.8
65	15.5	12.2	18.2





#25

Isophorone

Concen: 43.464 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

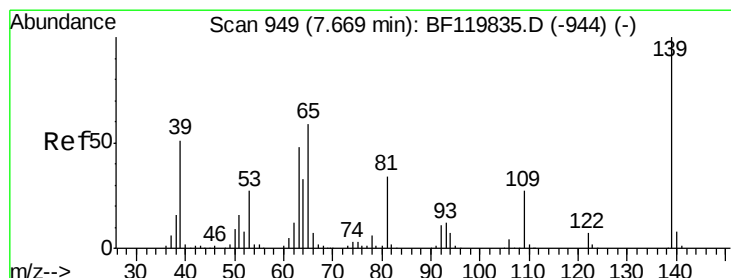
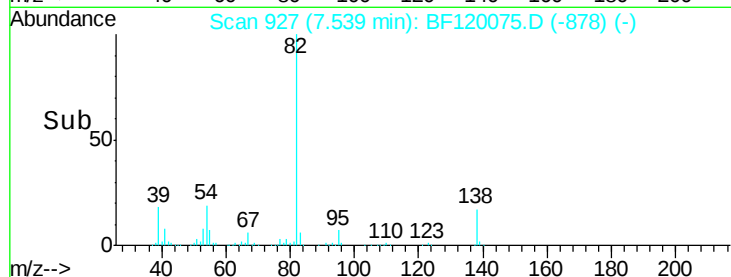
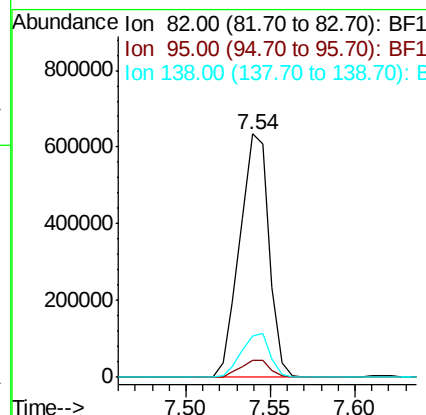
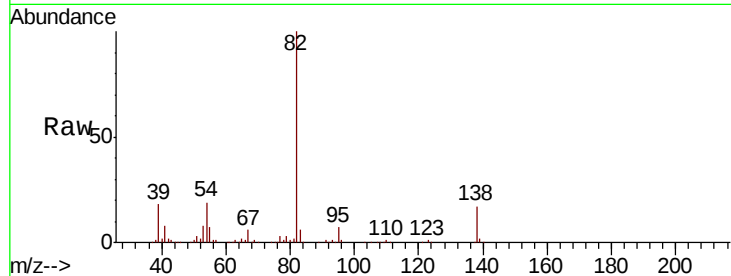
ClientSampleId :

PB128301BS

Tot Ion:	82	Resp:	768021
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.8	8.6
138	17.2	14.5	21.7

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#26

2-Nitrophenol

Concen: 47.096 ng

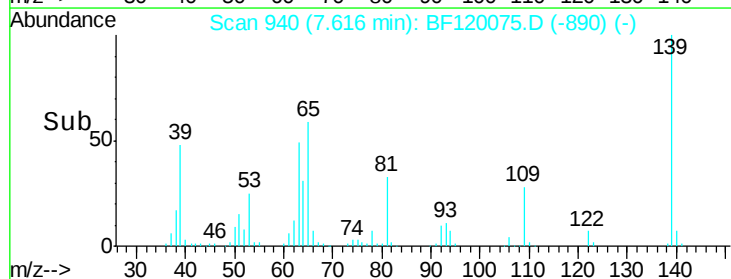
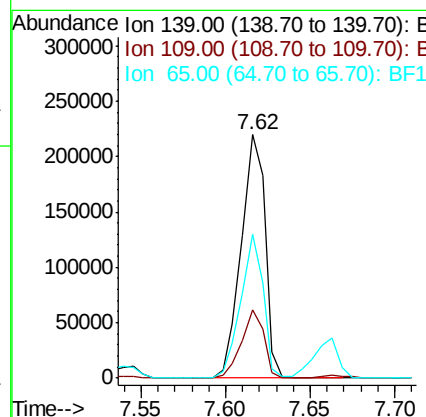
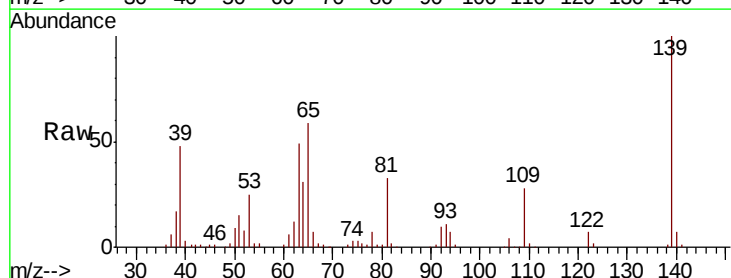
RT: 7.62 min Scan# 940

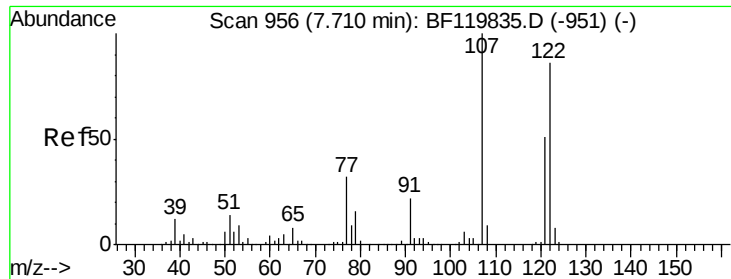
Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	139	Resp:	216968
Ion Ratio	Lower	Upper	
139	100		
109	28.1	21.8	32.6
65	58.9	47.0	70.4





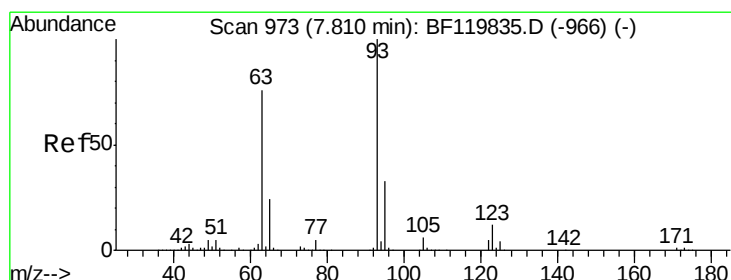
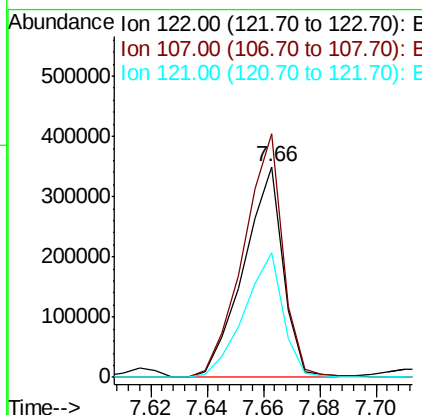
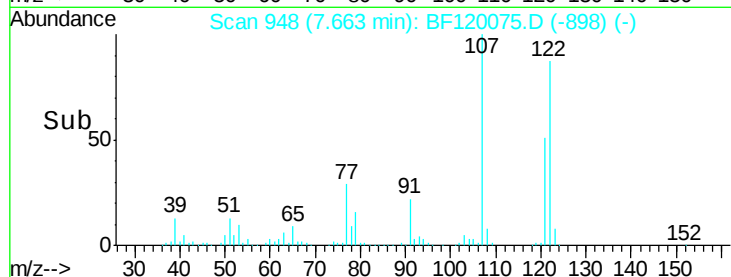
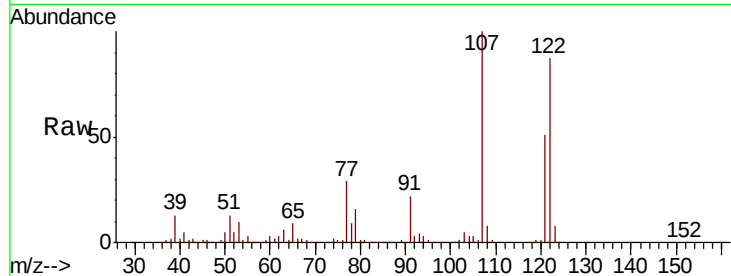
#27
 2,4-Dimethylphenol
 Concen: 49.074 ng
 RT: 7.66 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	340973		
107	115.5	92.3	138.5	
121	59.1	46.6	70.0	

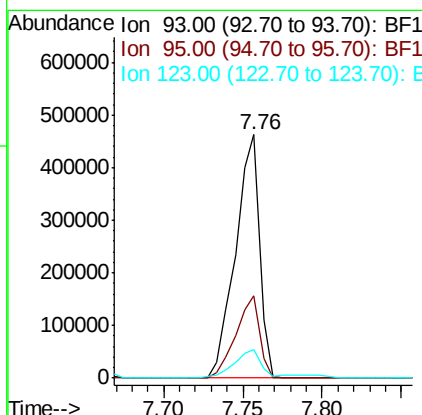
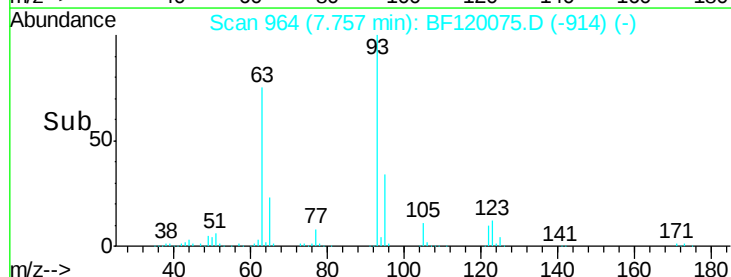
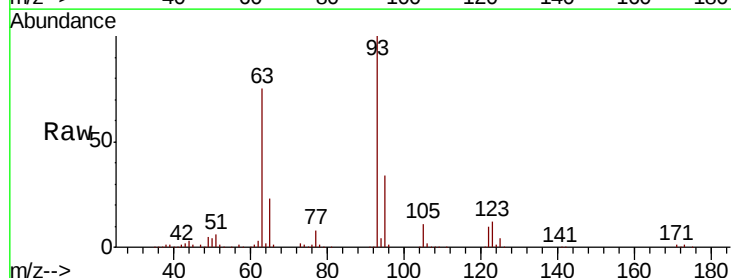
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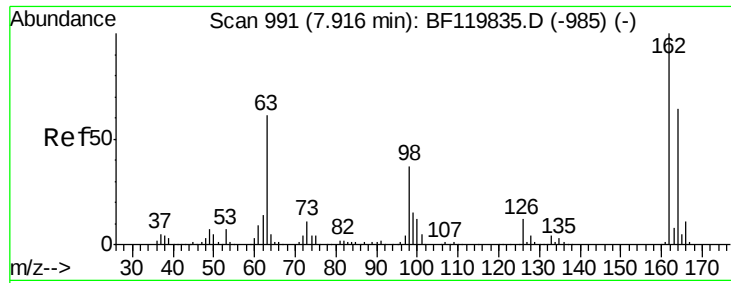
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 46.680 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	485379		
95	33.7	26.4	39.6	
123	12.0	9.7	14.5	





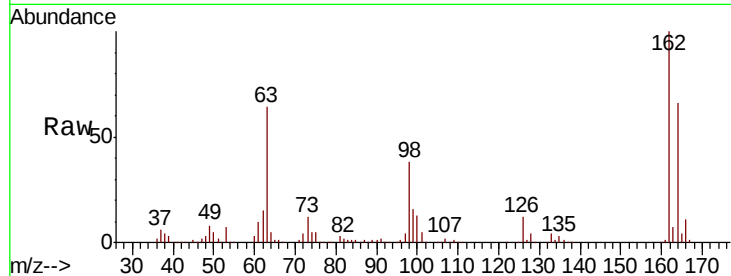
#29
2,4-Dichlorophenol
Concen: 46.758 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

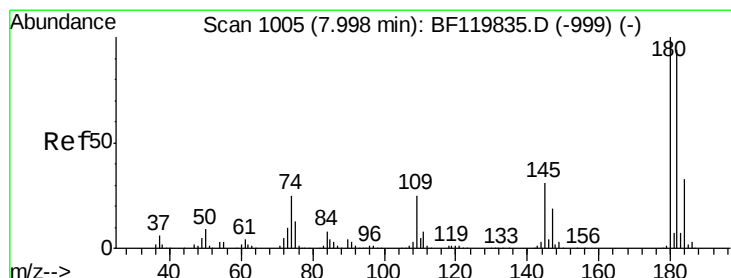
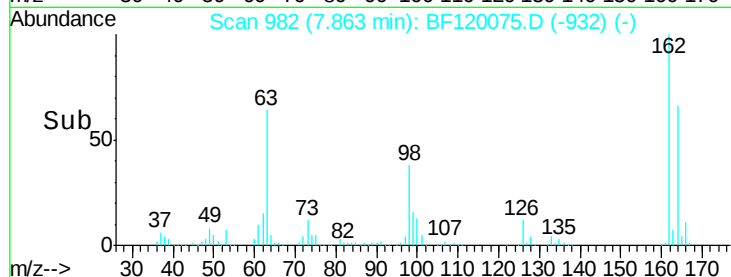
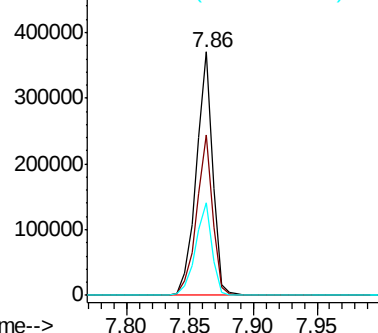
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
164	65.6	44.4	84.4		
98	37.9	17.3	57.3		

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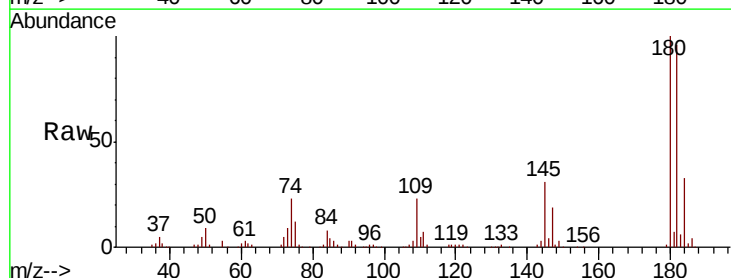


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

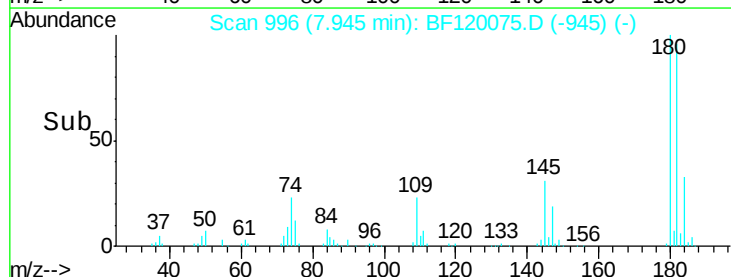
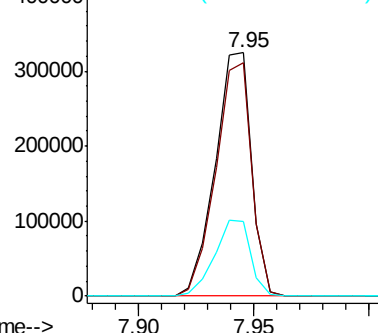


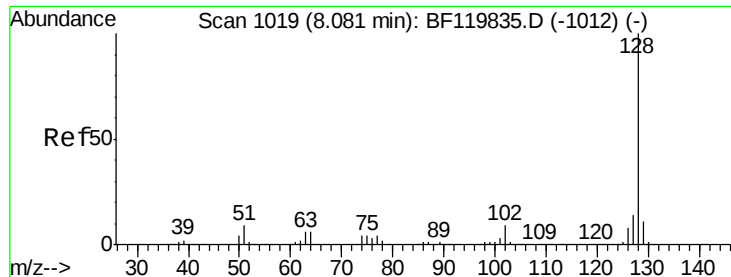
#30
1,2,4-Trichlorobenzene
Concen: 44.279 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.8	75.4	113.0		
145	30.8	24.6	37.0		



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





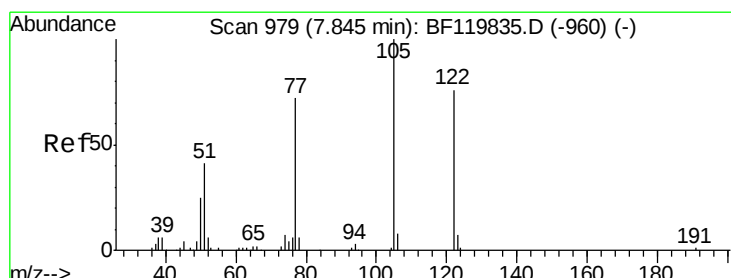
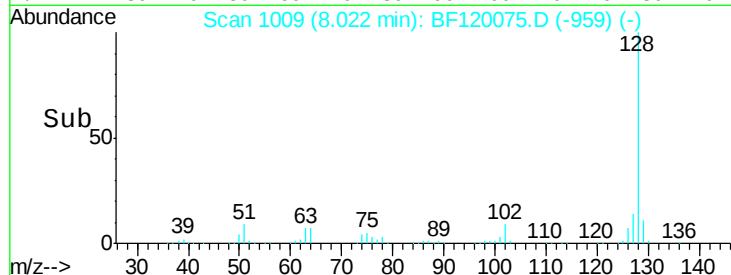
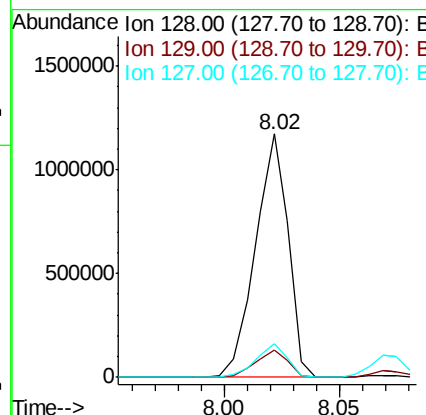
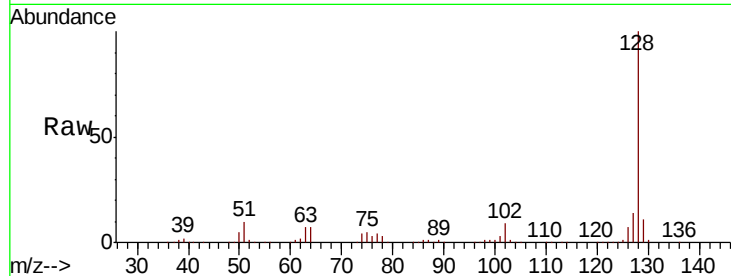
#31
Naphthalene
Concen: 46.363 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion:128 Resp: 1156754
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.6 11.0 16.4

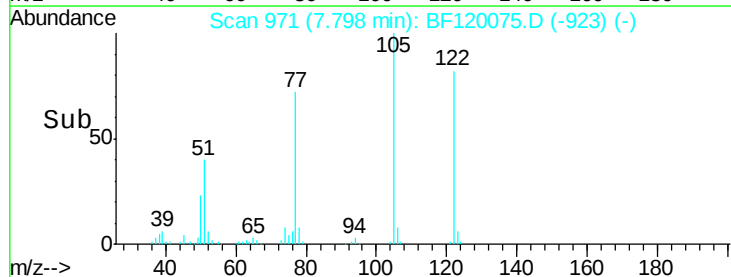
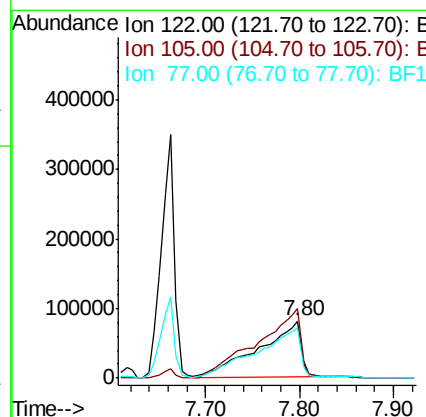
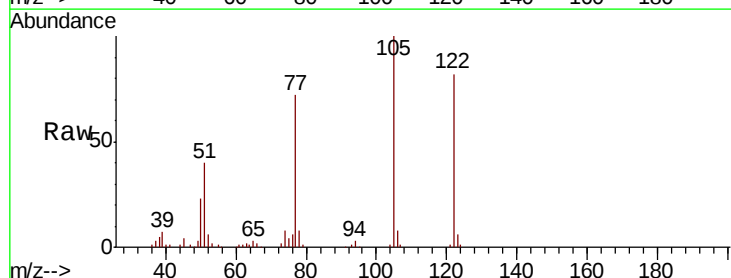
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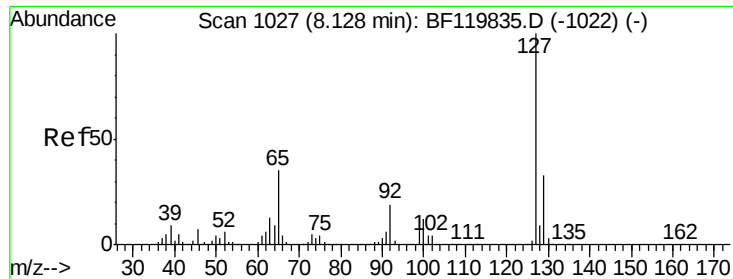
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#32
Benzoic acid
Concen: 40.811 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.02 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion:122 Resp: 249033
Ion Ratio Lower Upper
122 100
105 122.4 106.7 146.7
77 88.6 72.1 112.1





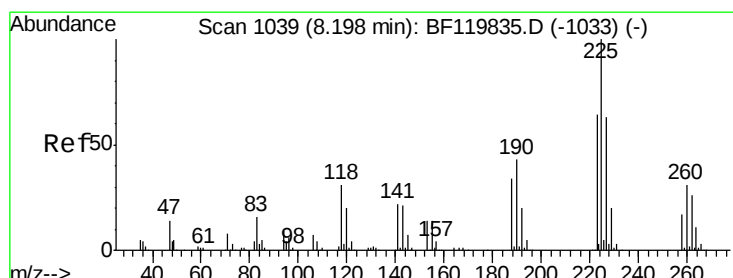
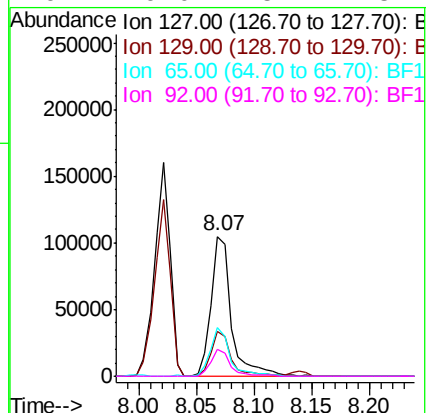
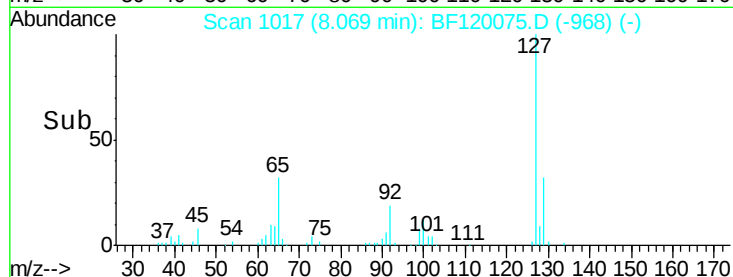
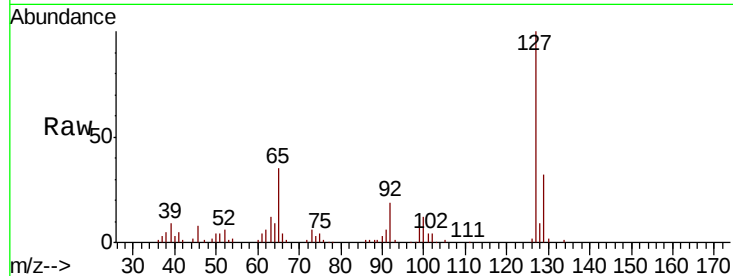
#33
4-Chloroaniline
Concen: 11.842 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleID :
PB128301BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.2	39.2		
65	34.5	28.3	42.5		
92	19.0	15.4	23.2		

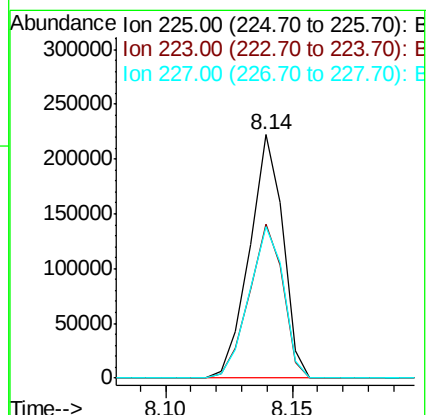
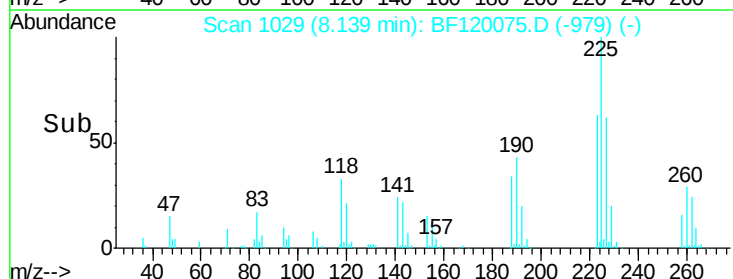
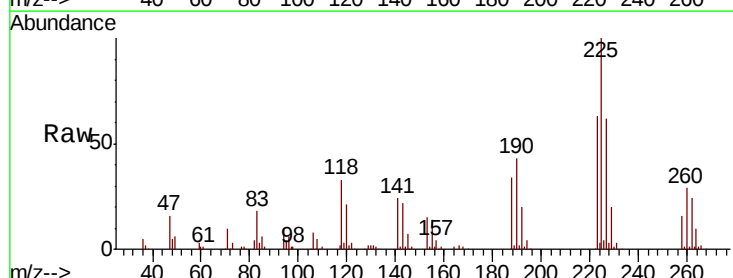
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#34
Hexachlorobutadiene
Concen: 42.324 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.1	51.0	76.6		
227	62.3	50.4	75.6		





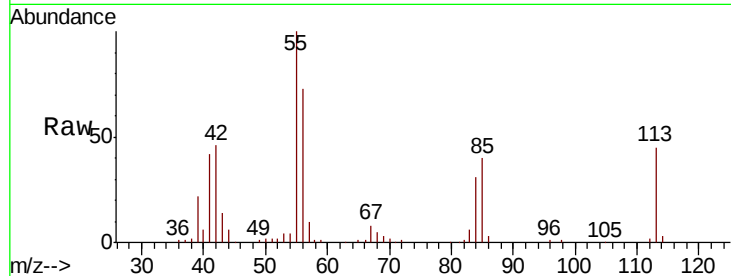
#35
 Caprolactam
 Concen: 45.421 ng/ml
 RT: 8.45 min Scan# 1082
 Delta R.T. -0.02 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	220.1	192.7	232.7
56	160.1	133.3	173.3

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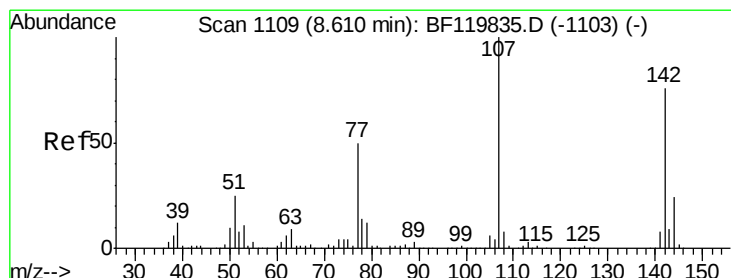
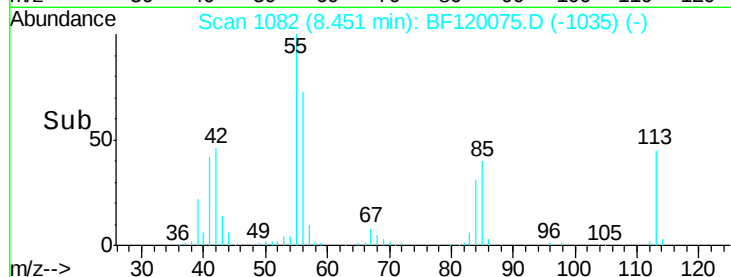
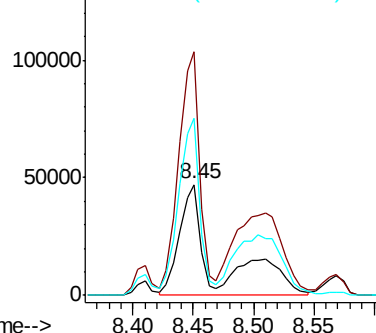
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Abundance Ion 113.00 (112.70 to 113.70): E

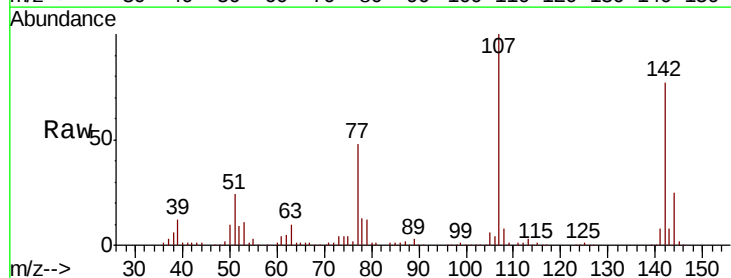
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
 4-Chloro-3-methylphenol
 Concen: 47.274 ng/ml
 RT: 8.57 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

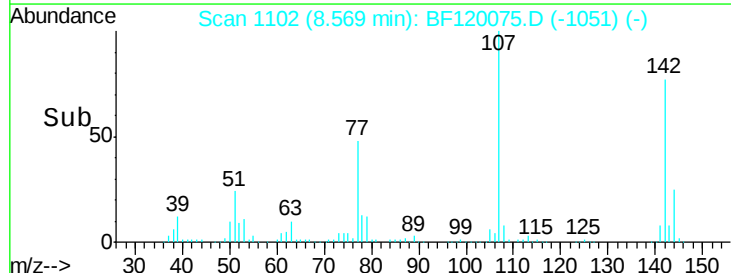
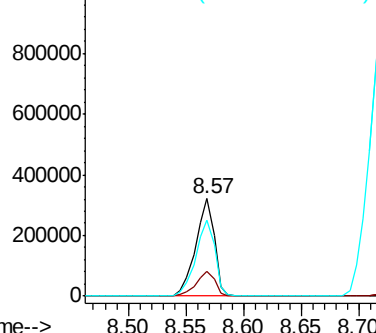
Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.5	29.3
142	77.3	60.5	90.7

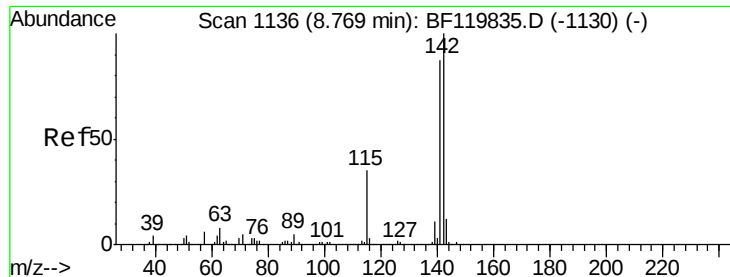


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





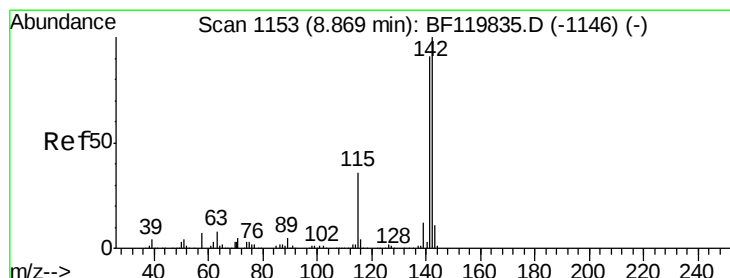
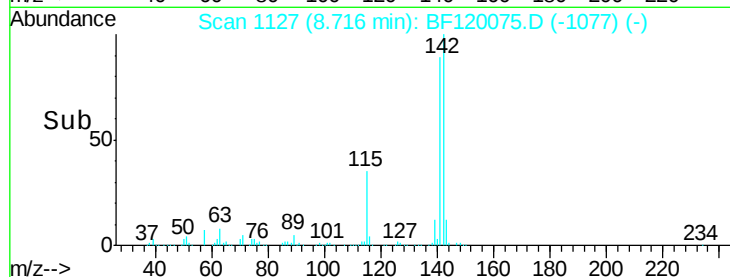
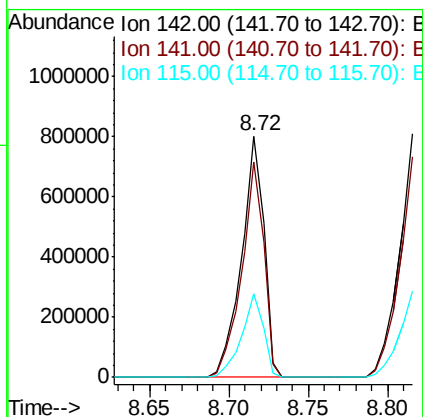
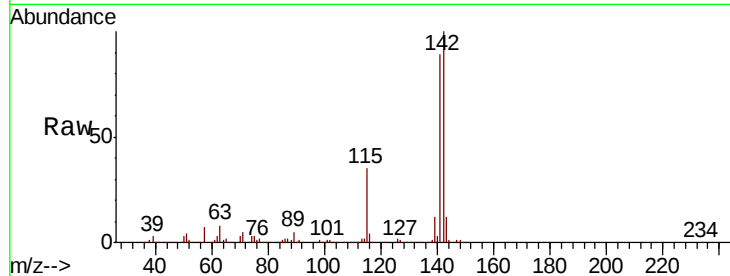
#37
2-Methylnaphthalene
Concen: 46.320 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.9	104.9
115	34.8	28.0	42.0

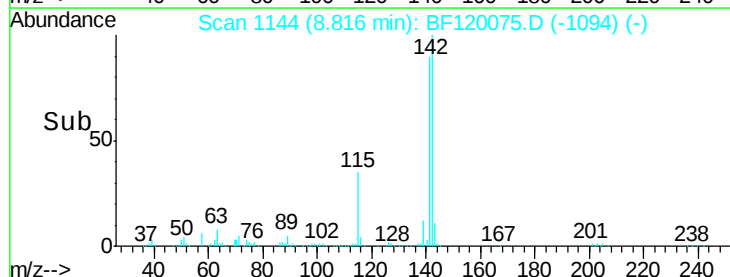
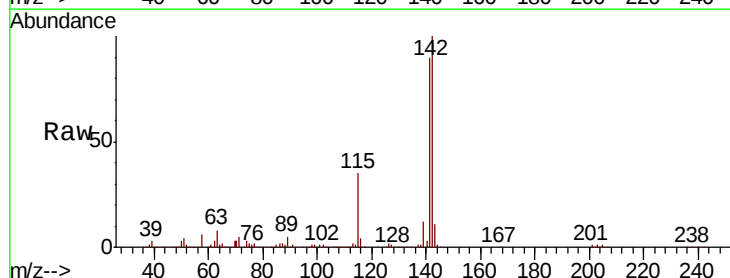
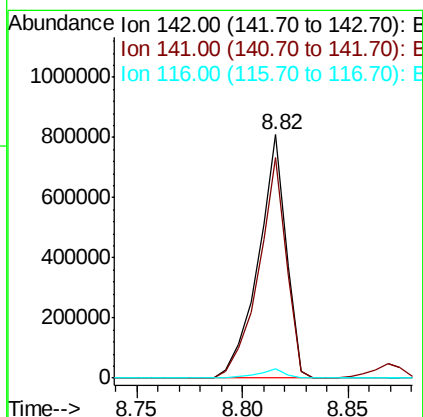
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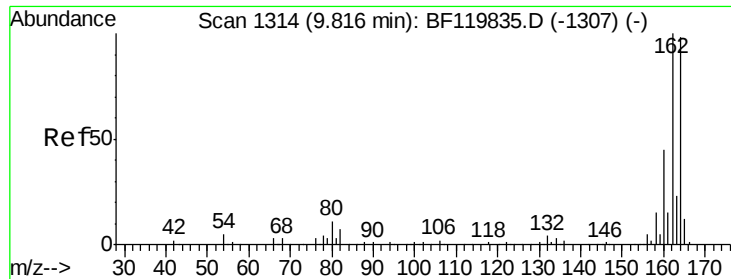
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#38
1-Methylnaphthalene
Concen: 46.725 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.9	109.3
116	3.9	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

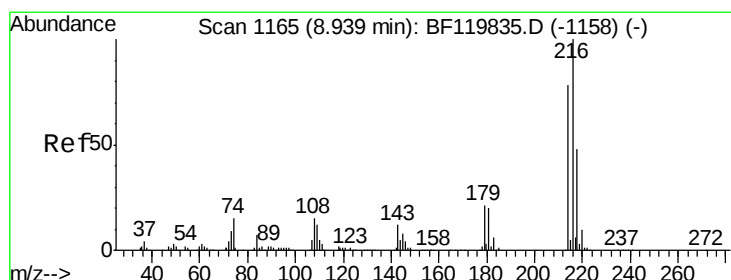
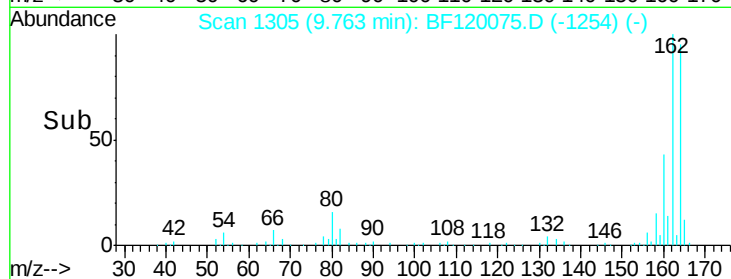
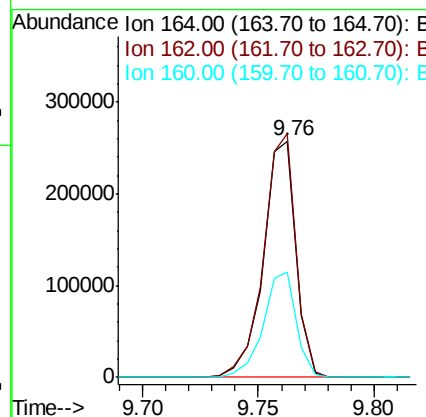
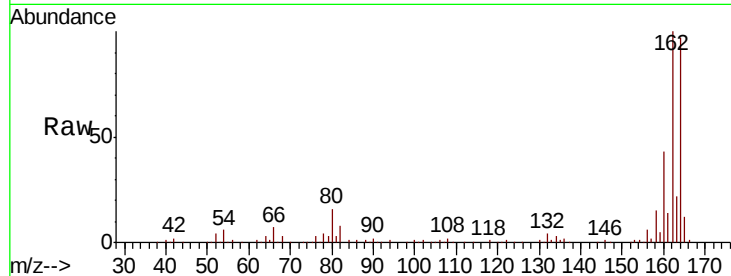
ClientSampleId :

PB128301BS

Tot Ion:	164	Resp:	252222
Ion Ratio	Lower	Upper	
164	100		
162	103.0	81.9	122.9
160	44.6	36.6	54.8

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.933 ng

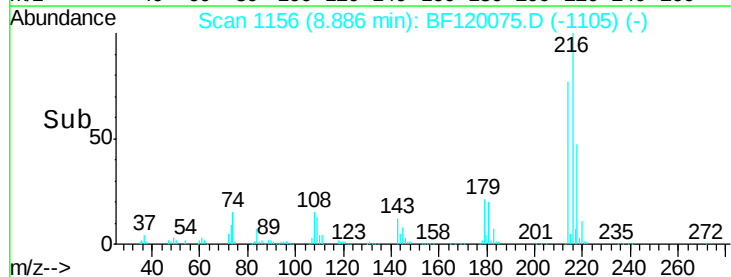
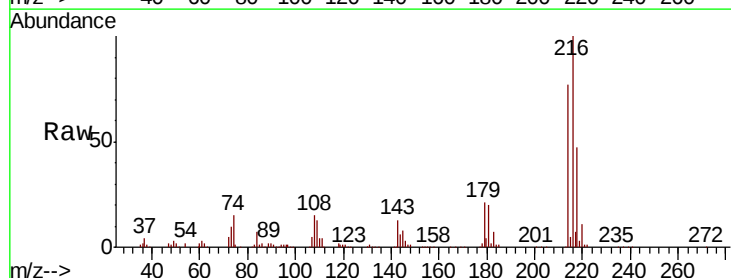
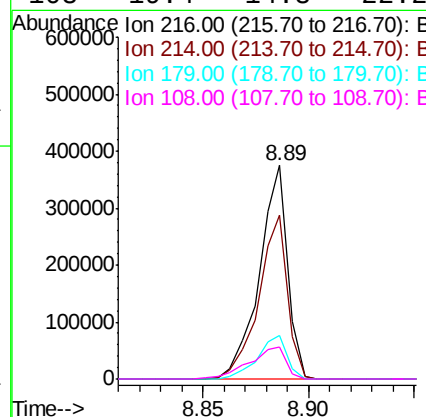
RT: 8.89 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	216	Resp:	349981
Ion Ratio	Lower	Upper	
216	100		
214	77.9	63.1	94.7
179	21.3	17.0	25.4
108	19.4	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 82.859 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

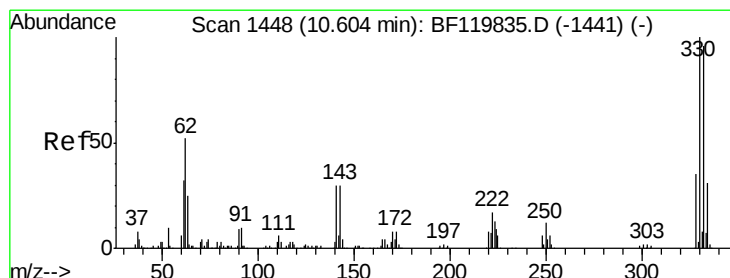
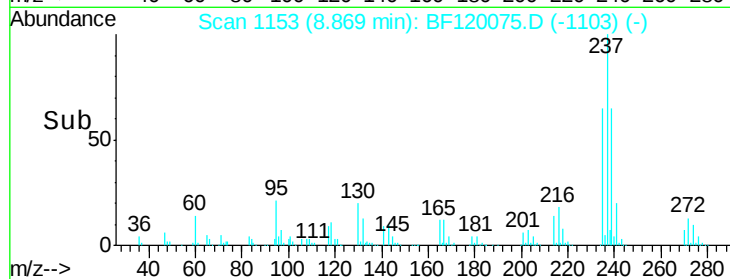
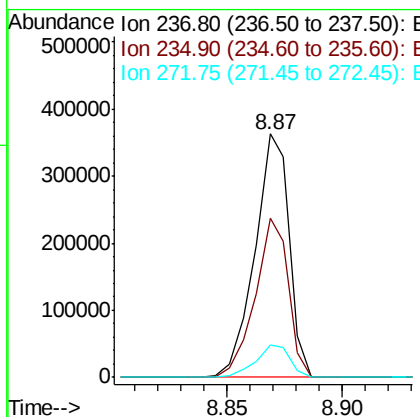
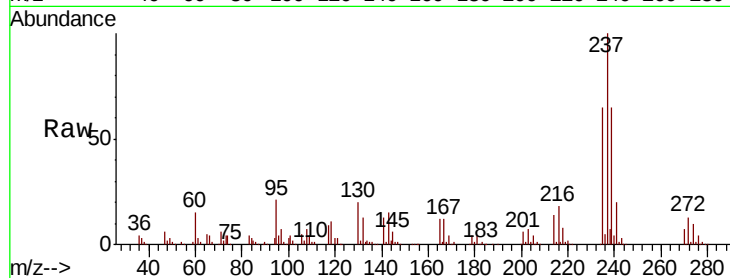
ClientSampleId :

PB128301BS

Tot Ion:	237	Resp:	375342
Ion Ratio	Lower	Upper	
237	100		
235	65.1	44.9	84.9
272	13.1	0.0	33.6

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#42

2,4,6-Tribromophenol

Concen: 110.164 ng

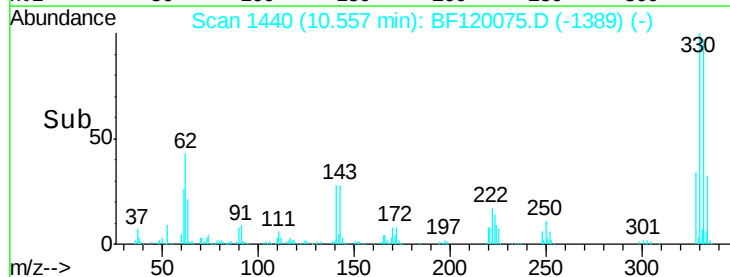
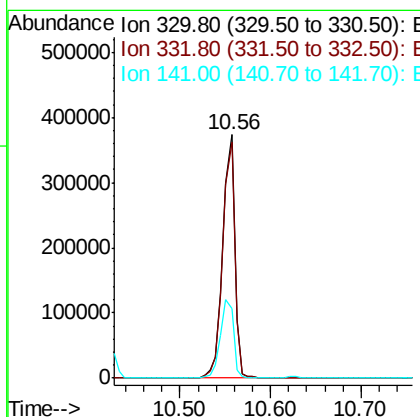
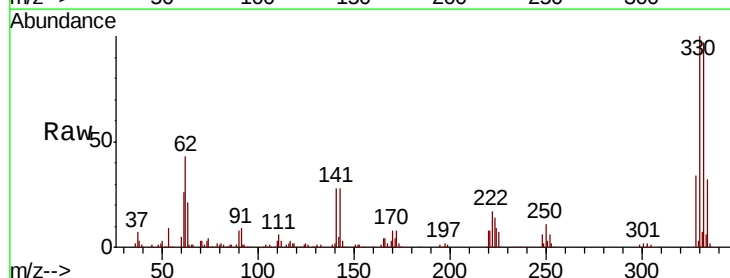
RT: 10.56 min Scan# 1440

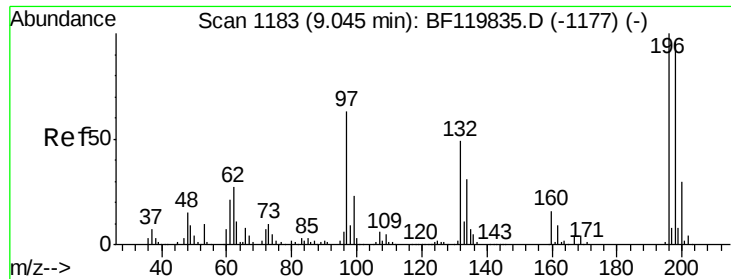
Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	330	Resp:	340192
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.8	115.2
141	35.1	25.1	37.7





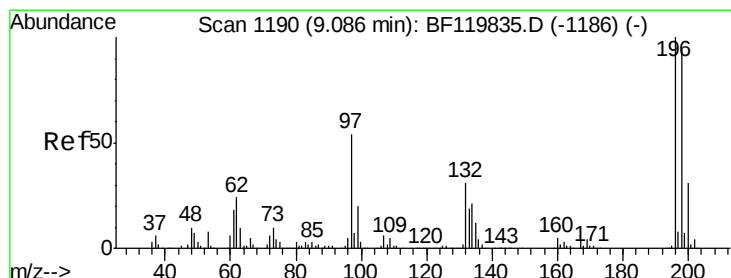
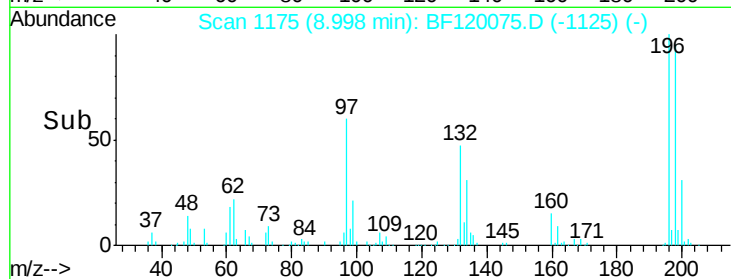
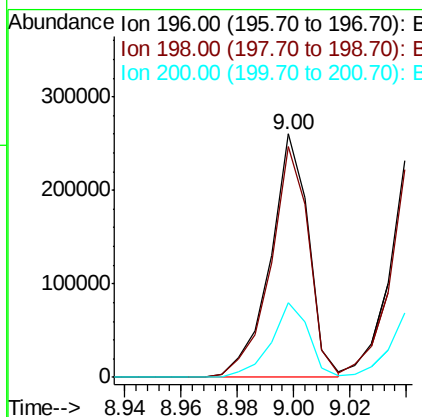
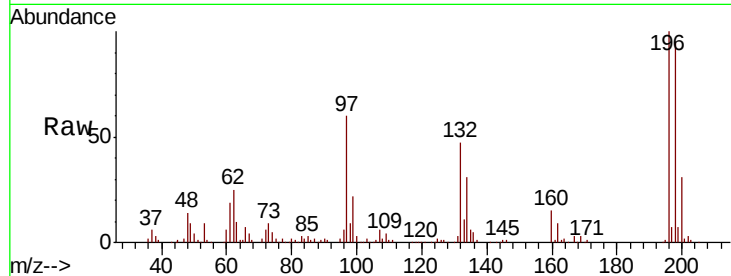
#43
 2,4,6-Trichlorophenol
 Concen: 44.398 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion:	196	Resp:	244234
Ion Ratio	Lower	Upper	
196	100		
198	94.9	76.6	115.0
200	30.6	24.2	36.2

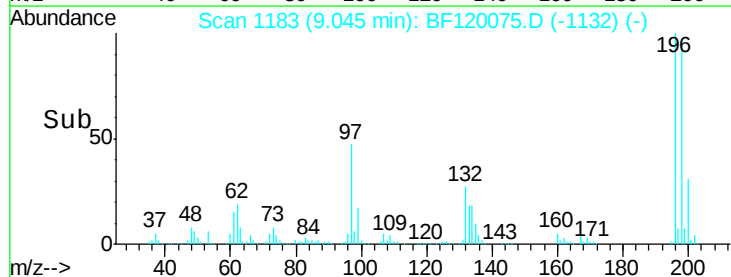
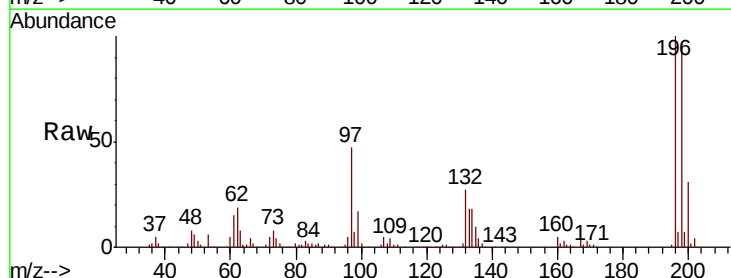
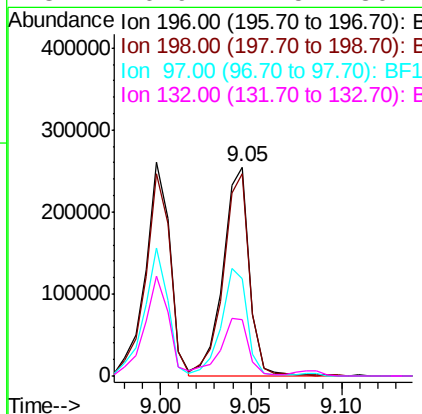
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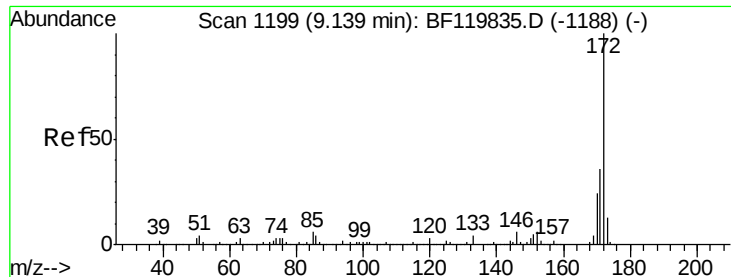
mohammad
 4/21/2020 2:54:35 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.386 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion:	196	Resp:	256422
Ion Ratio	Lower	Upper	
196	100		
198	96.7	75.1	112.7
97	46.5	43.4	65.2
132	26.9	24.5	36.7





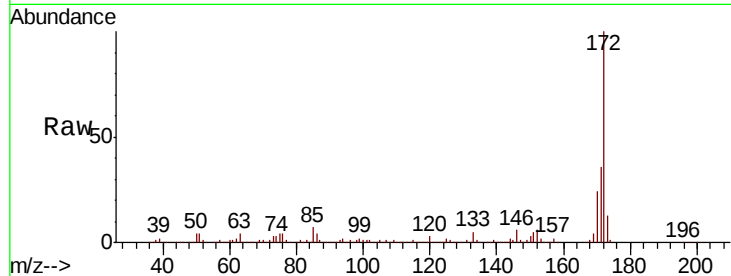
#45
2-Fluorobiphenyl
Concen: 88.426 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

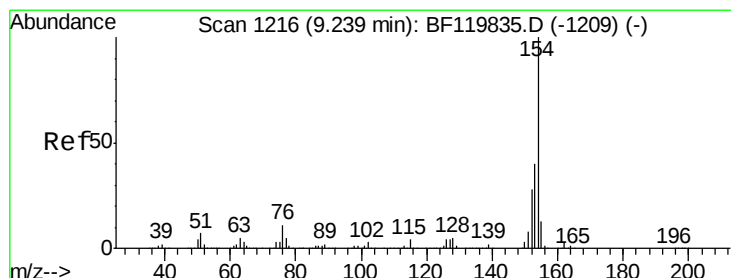
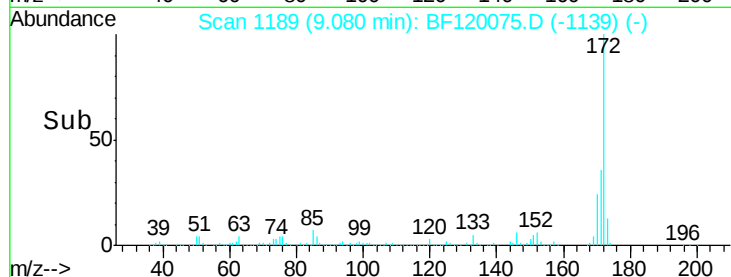
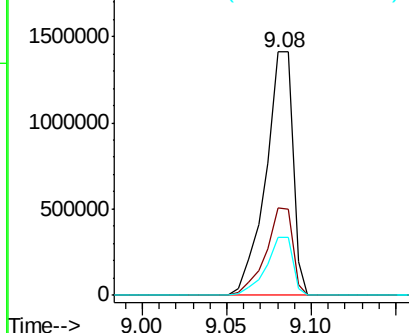
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.9	19.4	29.2

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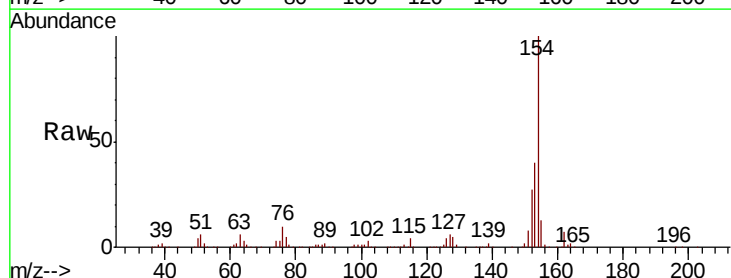


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

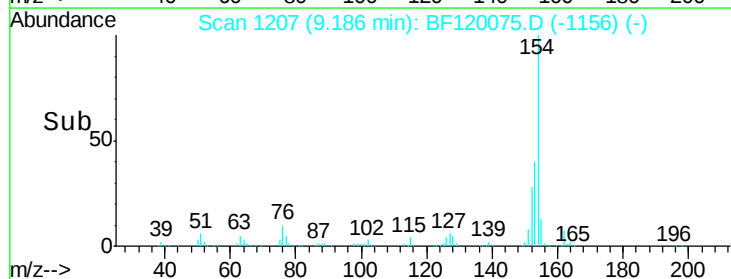
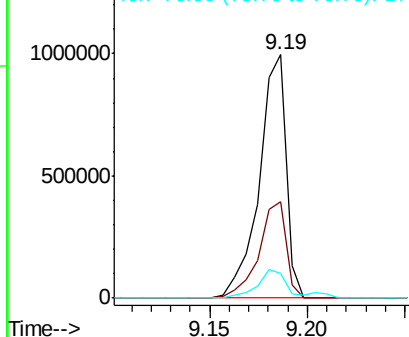


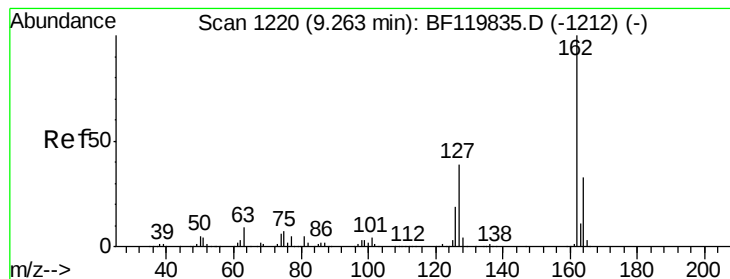
#46
1,1'-Biphenyl
Concen: 44.766 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.5	60.5
76	10.4	0.0	30.6



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: 44.366 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

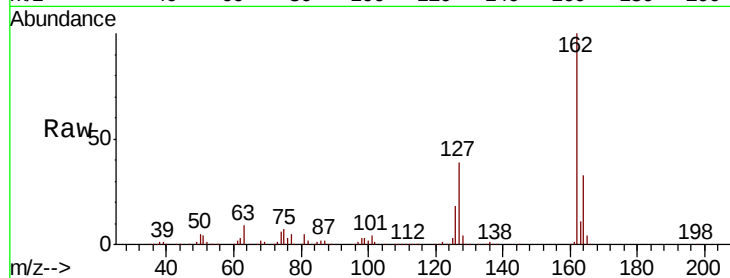
ClientSampleId :

PB128301BS

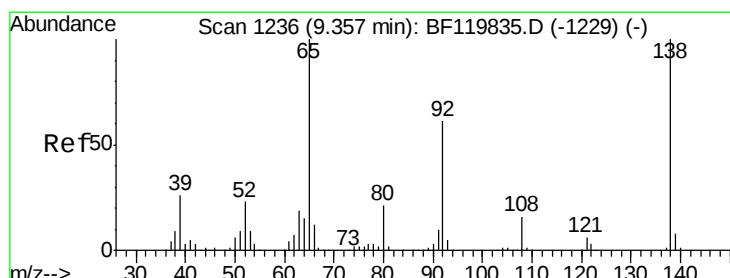
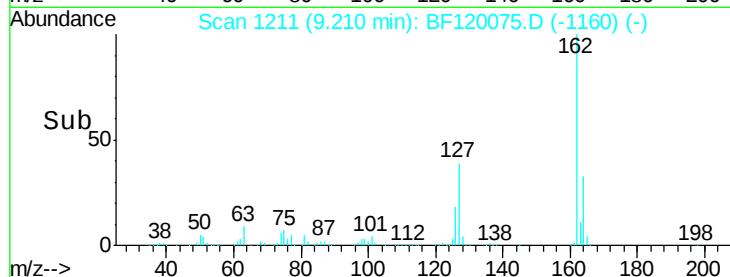
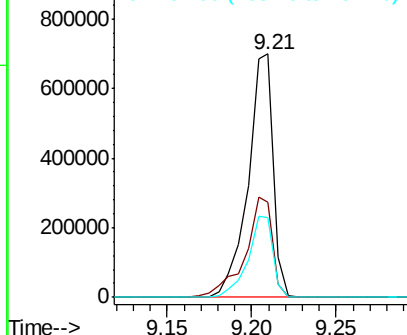
Tot Ion:	162	Resp:	727602
Ion Ratio	Lower	Upper	
162	100		
127	38.8	31.2	46.8
164	33.0	26.3	39.5

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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: 42.140 ng

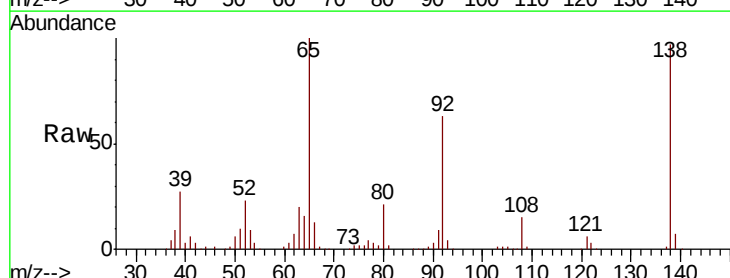
RT: 9.30 min Scan# 1227

Delta R.T. -0.01 min

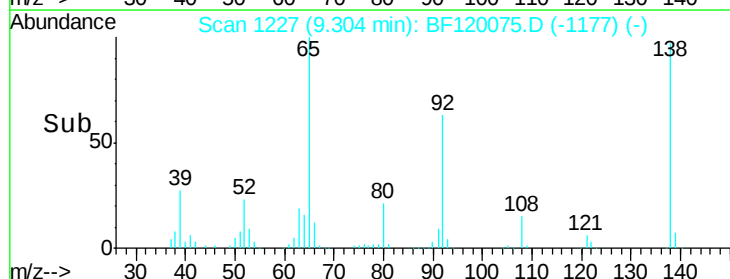
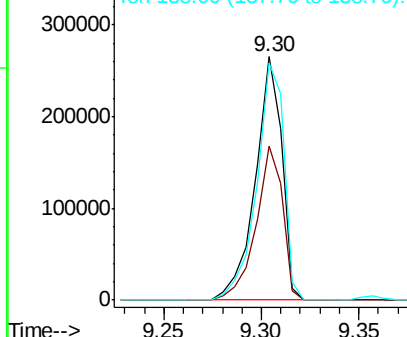
Lab File: BF120075.D

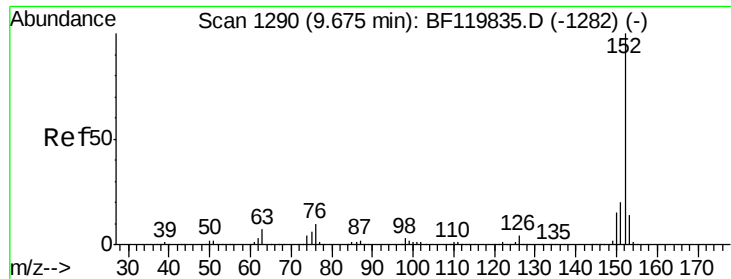
Acq: 20 Apr 2020 14:02

Tgt Ion:	65	Resp:	250444
Ion Ratio	Lower	Upper	
65	100		
92	63.3	49.0	73.6
138	97.3	79.7	119.5



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





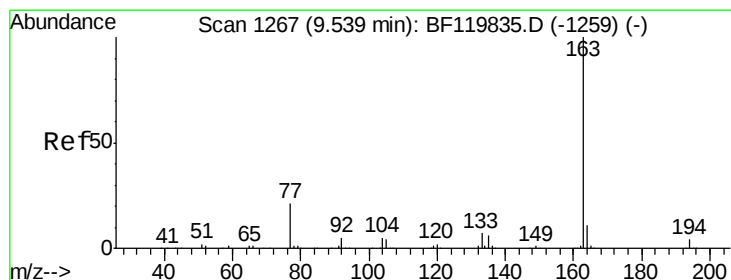
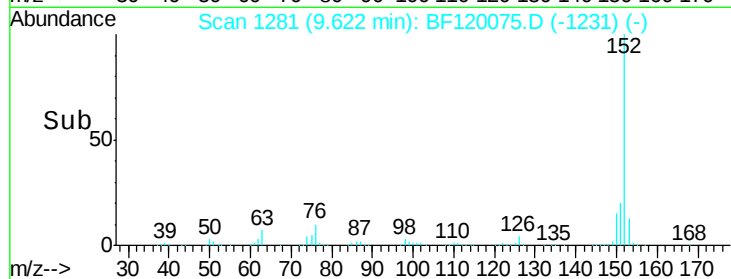
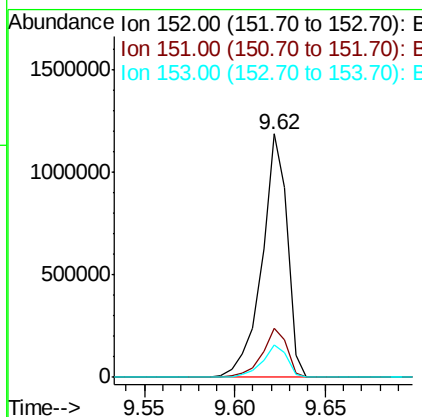
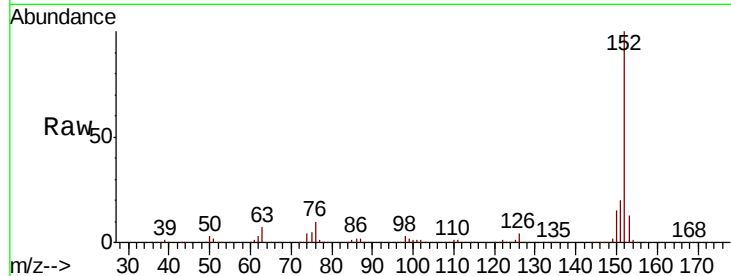
#49
Acenaphthylene
Concen: 46.058 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion:	152	Resp:	1148734
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.4	10.9	16.3

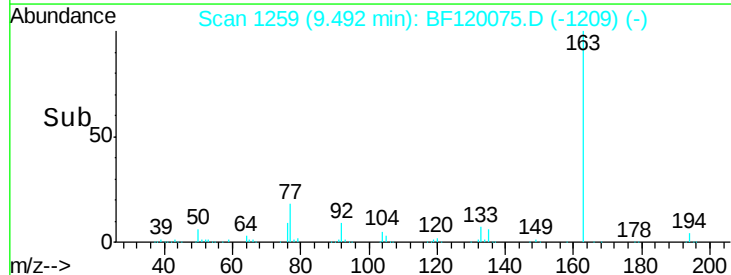
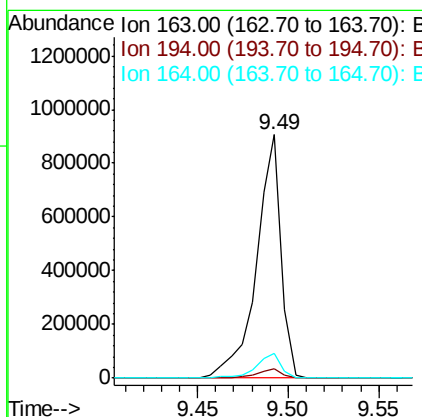
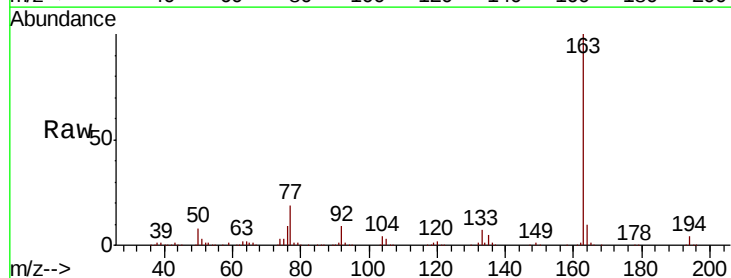
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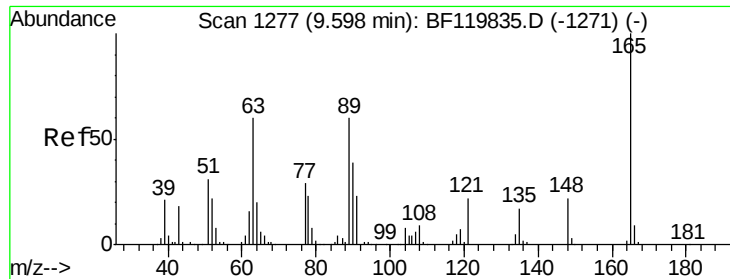
mohammad
4/21/2020 2:54:35 PM



#50
Dimethylphthalate
Concen: 43.767 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion:	163	Resp:	853847
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.2	8.4	12.6





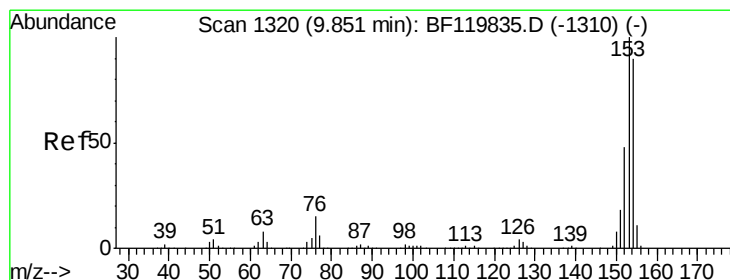
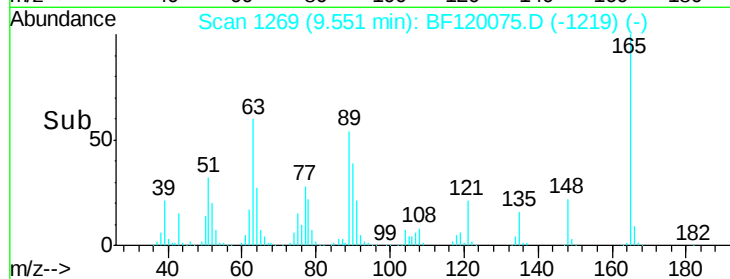
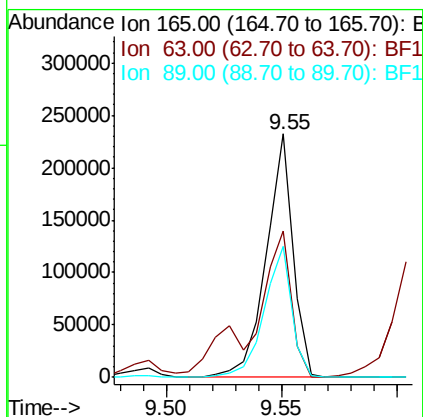
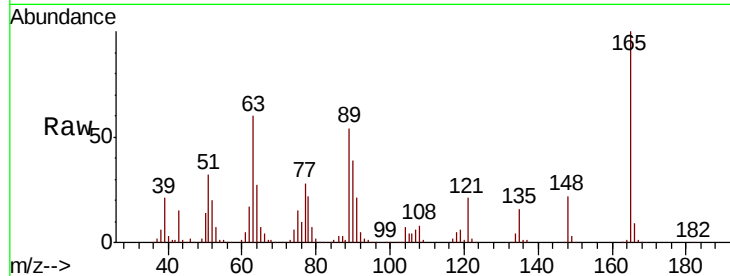
#51
 2,6-Dinitrotoluene
 Concen: 43.947 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	187748		
63	60.1	55.6	83.4	
89	53.7	47.9	71.9	

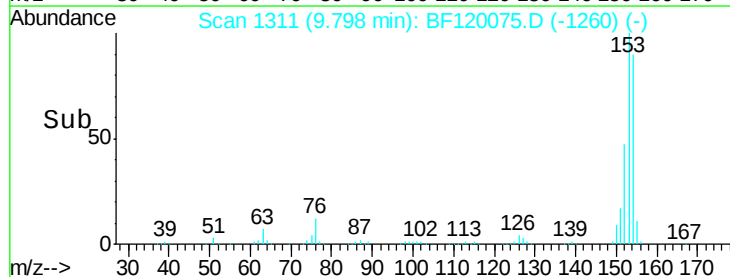
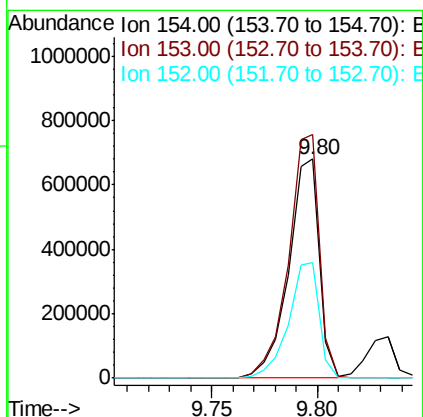
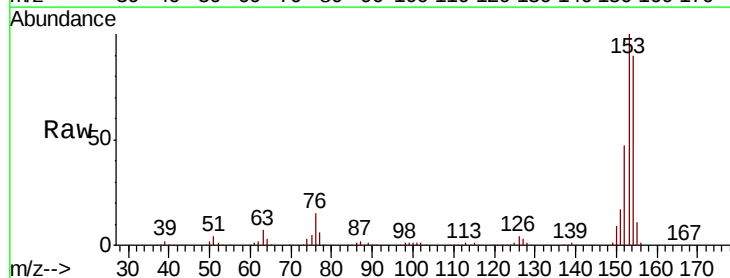
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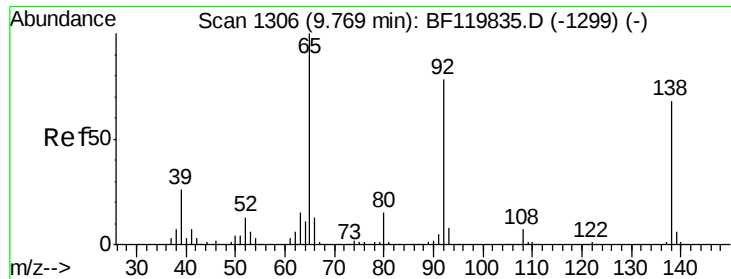
mohammad
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#52
 Acenaphthene
 Concen: 41.560 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	691446		
153	111.1	88.8	133.2	
152	52.6	42.4	63.6	





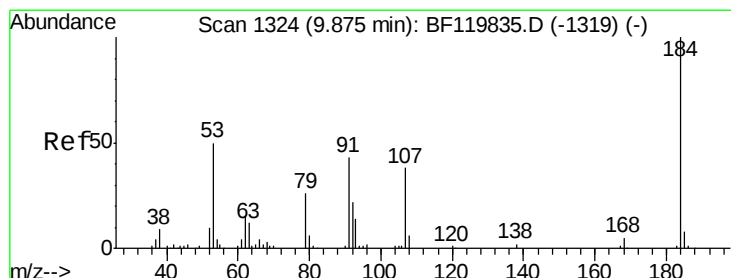
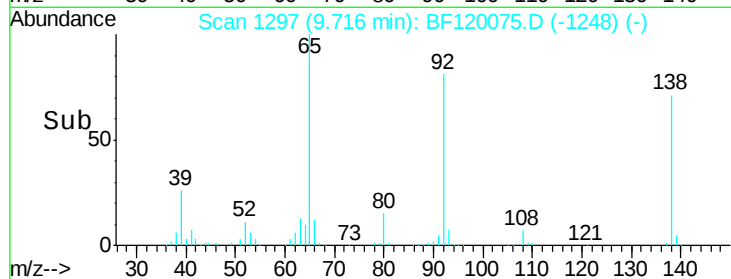
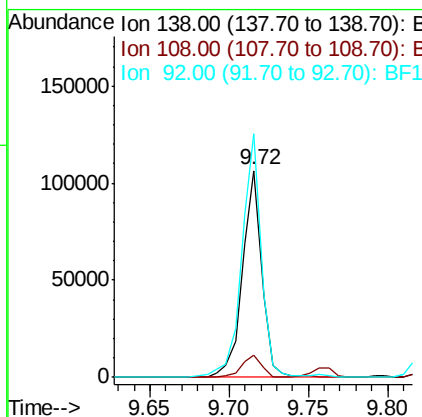
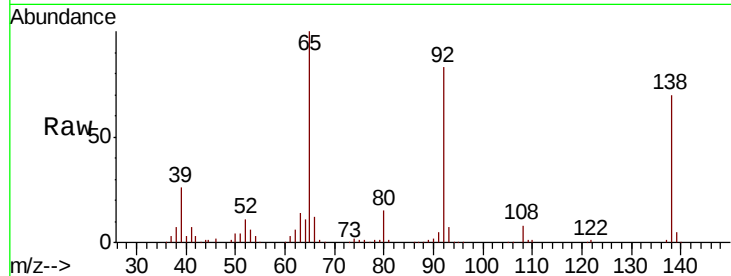
#53
 3-Nitroaniline
 Concen: 18.459 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.0	12.0
92	117.9	92.1	138.1

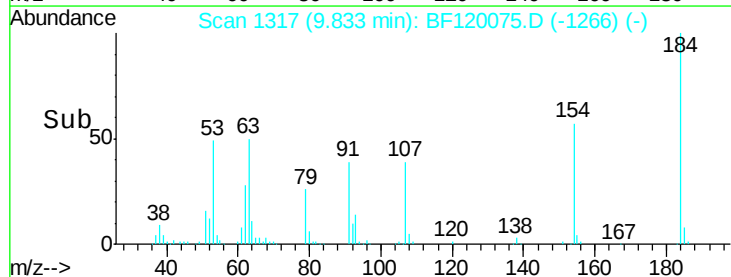
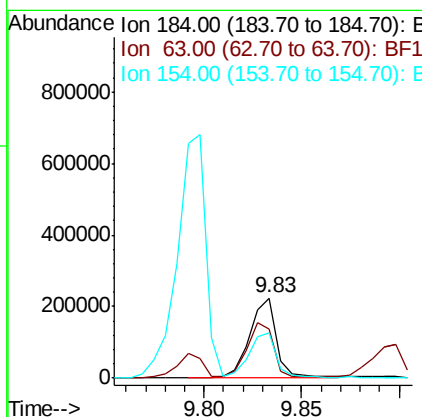
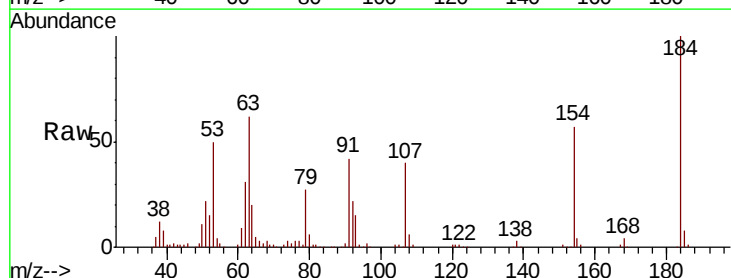
Manual Integrations
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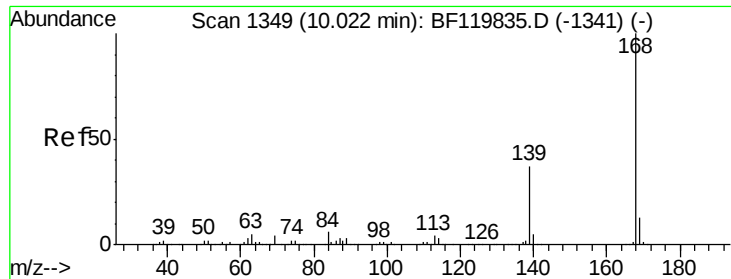
mohammad
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#54
 2,4-Dinitrophenol
 Concen: 83.469 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	49.8	74.6
154	57.0	46.5	69.7





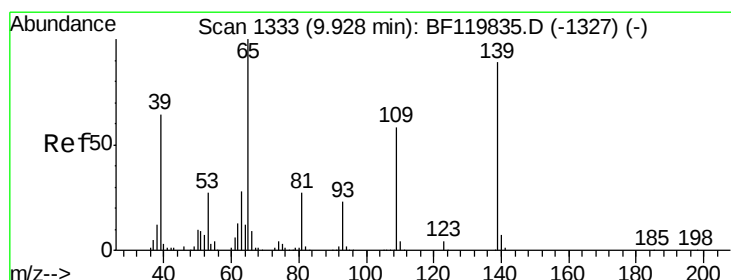
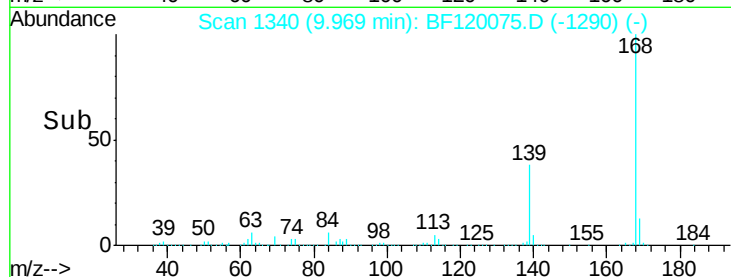
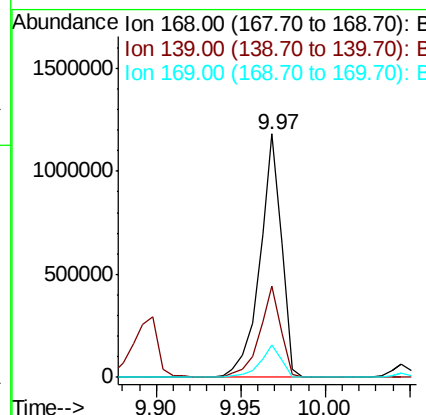
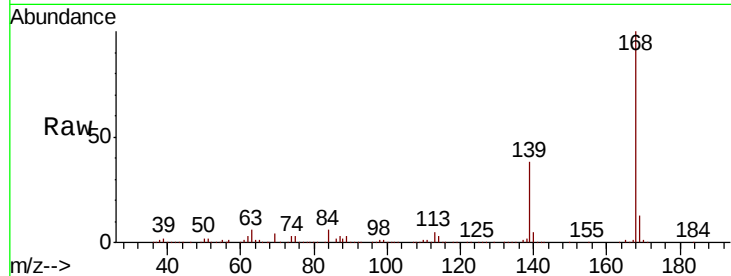
#55
Dibenzofuran
Concen: 46.005 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.8	44.6
169	13.3	10.6	15.8

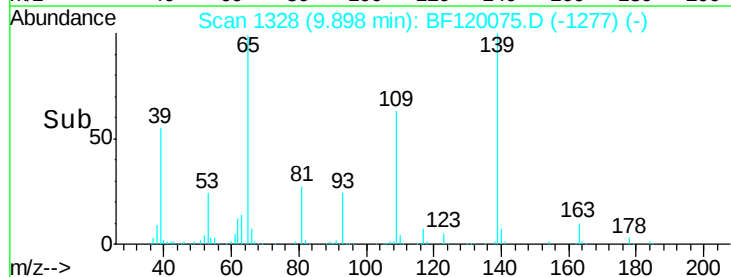
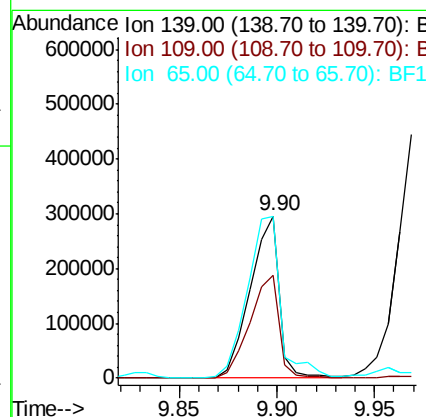
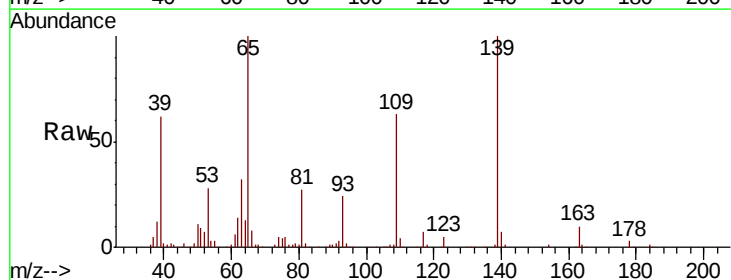
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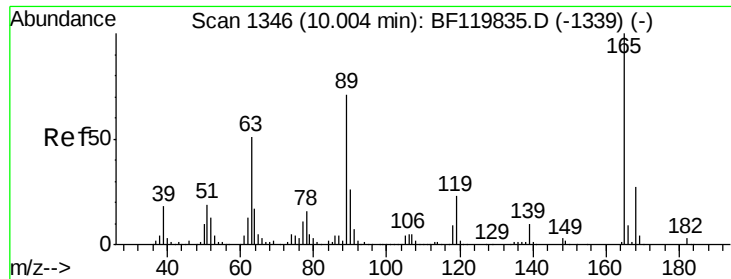
mohammad
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#56
4-Nitrophenol
Concen: 84.161 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.3	45.5	85.5
65	100.2	92.3	132.3





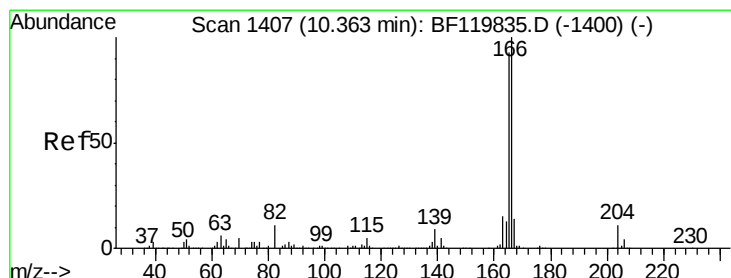
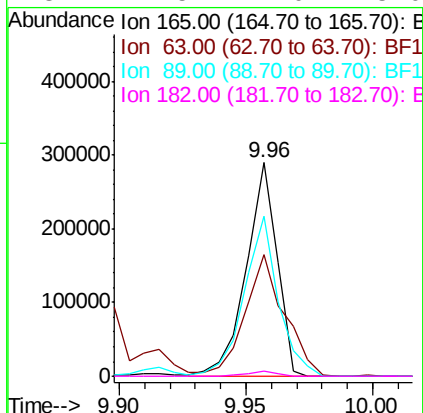
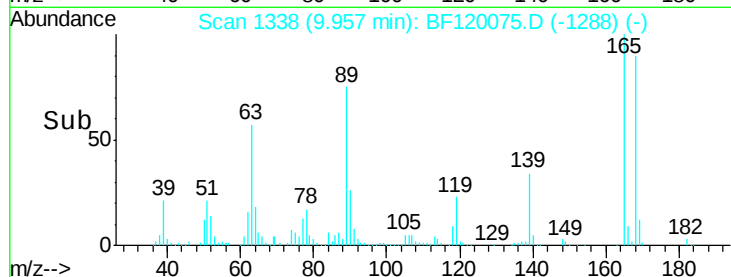
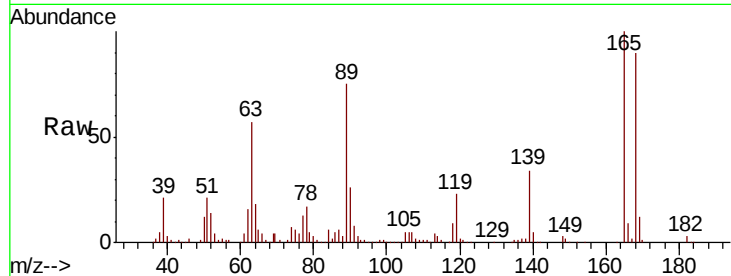
#57
2,4-Dinitrotoluene
Concen: 43.630 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		245578		
63	57.2	40.8	61.2		
89	75.1	56.9	85.3		
182	2.5	2.0	3.0		

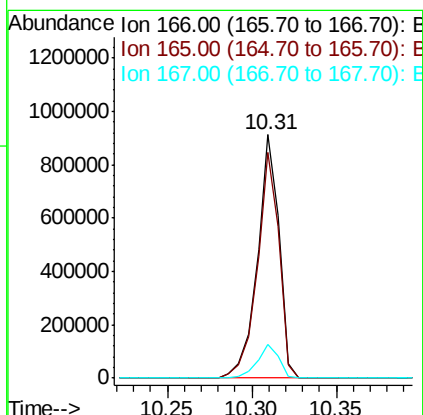
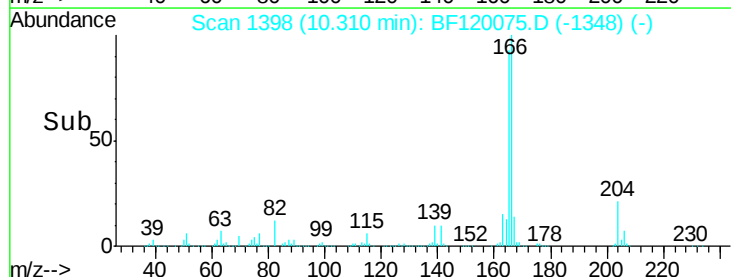
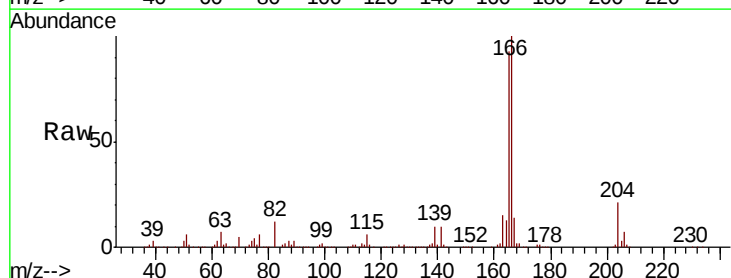
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#58
Fluorene
Concen: 44.598 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		814306		
165	92.9	74.2	111.2		
167	13.8	10.8	16.2		





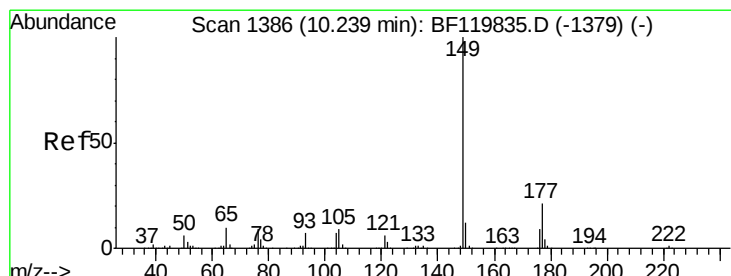
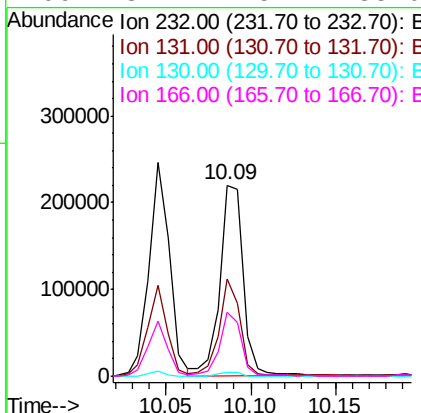
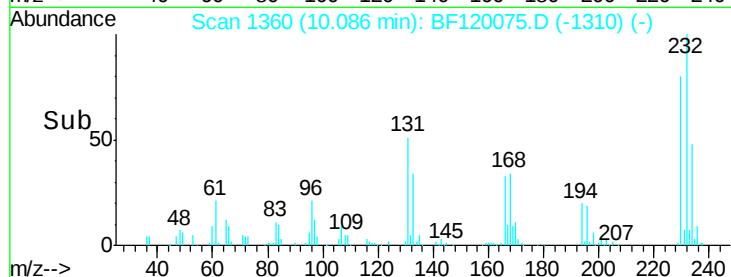
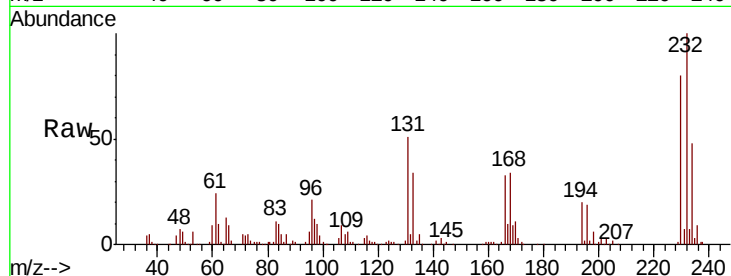
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.827 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		212421		
131	46.6	37.9	56.9		
130	2.1	1.8	2.6		
166	31.7	25.4	38.0		

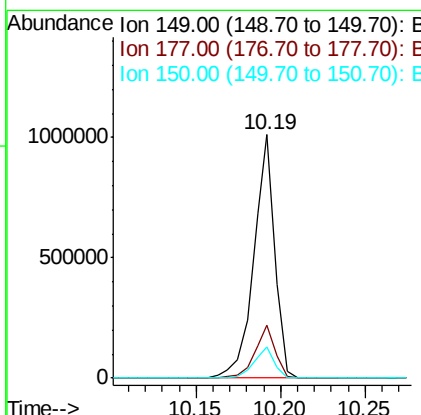
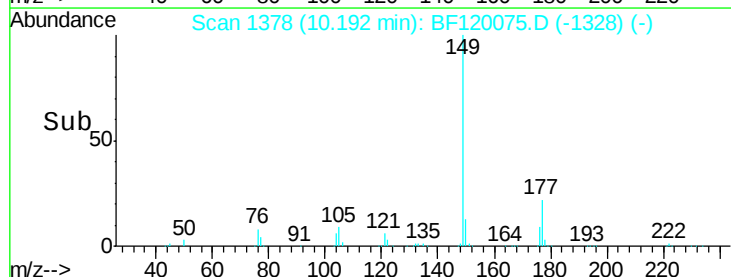
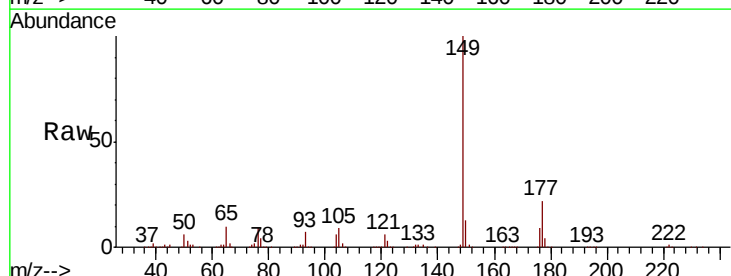
Manual Integrations
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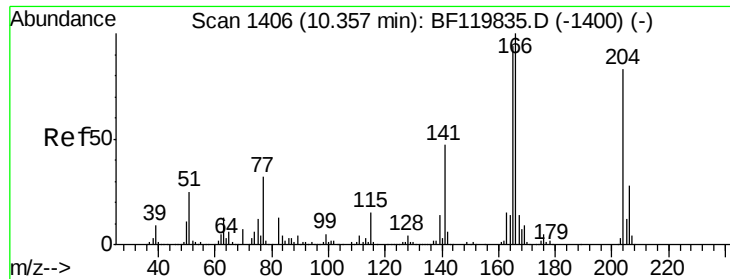
mohammad
 4/21/2020 2:54:35 PM



#60
 Diethylphthalate
 Concen: 43.335 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		876233		
177	21.8	16.8	25.2		
150	12.9	9.8	14.6		





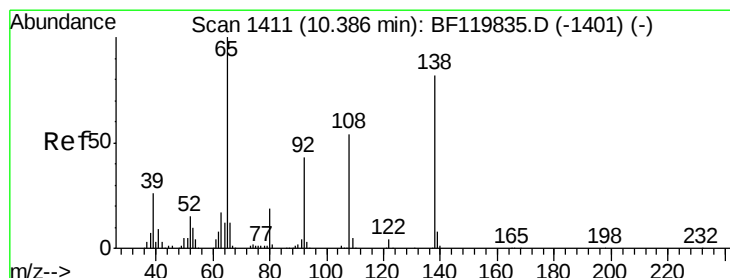
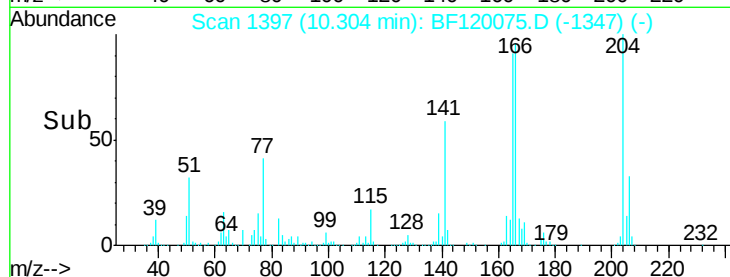
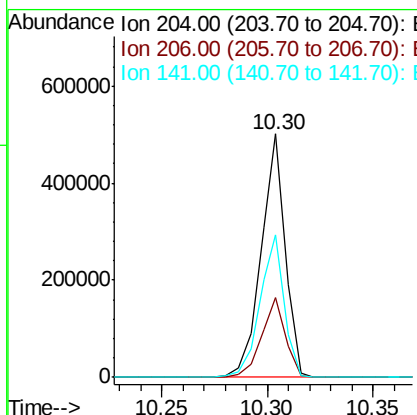
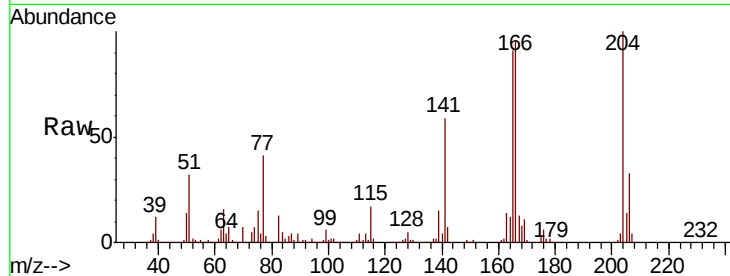
#61
 4-Chlorophenyl-phenylether
 Concen: 42.409 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PB128301BS

Tot Ion:	204	Resp:	396877
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.7	40.1
141	58.6	45.8	68.8

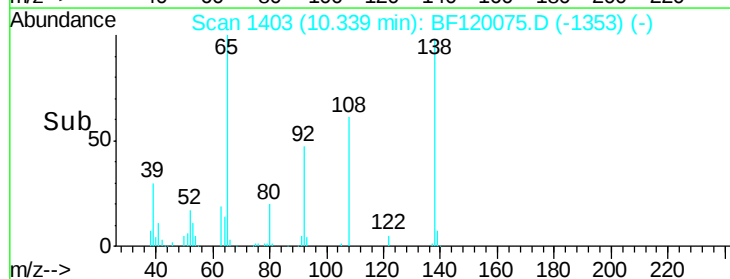
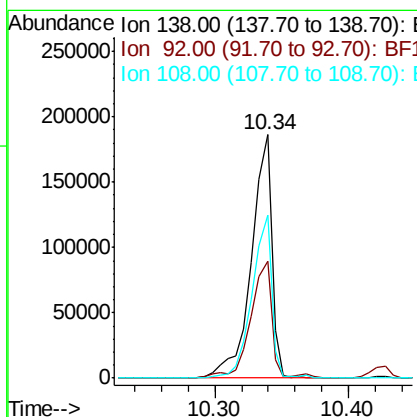
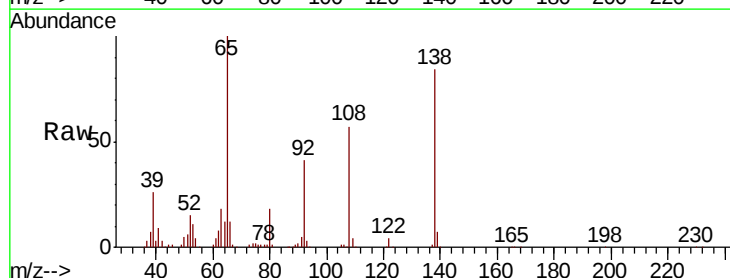
Manual Integrations
 APPROVED

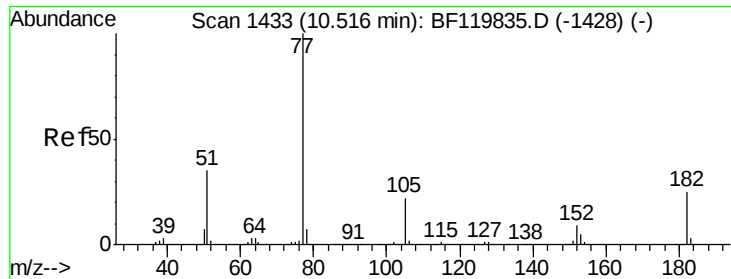
mohammad
 4/21/2020 2:54:35 PM



#62
 4-Nitroaniline
 Concen: 42.081 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF120075.D
 Acq: 20 Apr 2020 14:02

Tgt Ion:	138	Resp:	195673
Ion Ratio	Lower	Upper	
138	100		
92	48.0	31.6	71.6
108	66.9	45.2	85.2





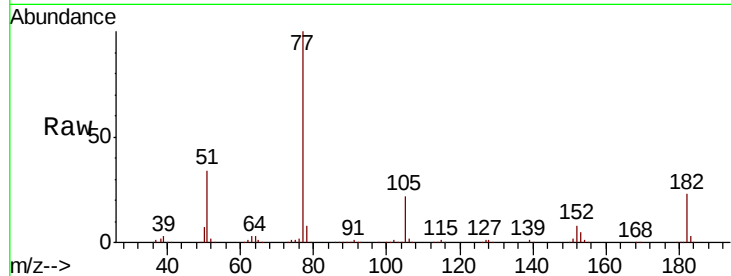
#63
Azobenzene
Concen: 45.457 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	23.1	4.5	44.5	
105	21.5	2.2	42.2	
51	34.0	15.1	55.1	

Manual Integrations
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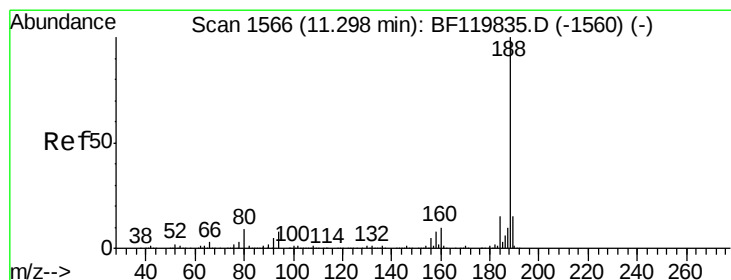
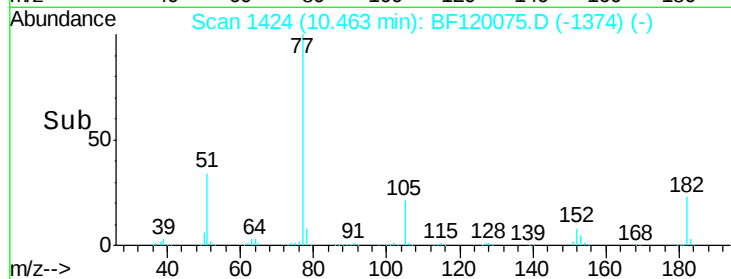
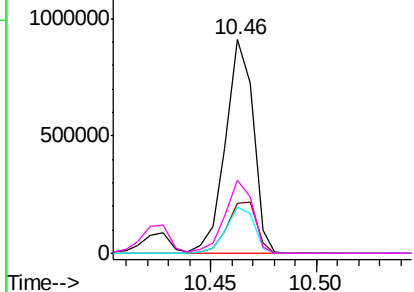


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



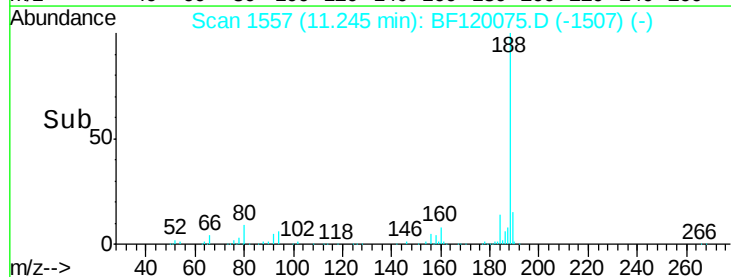
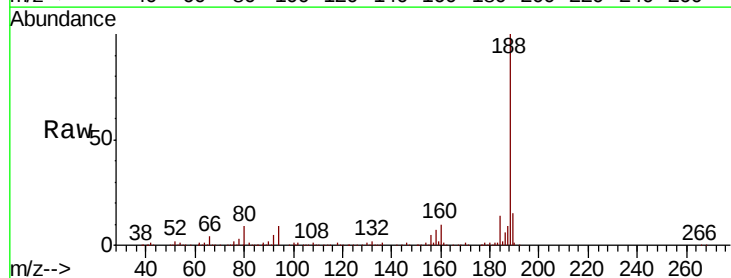
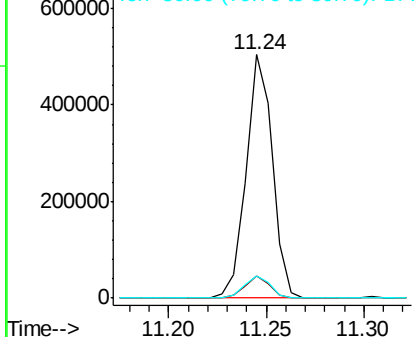
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

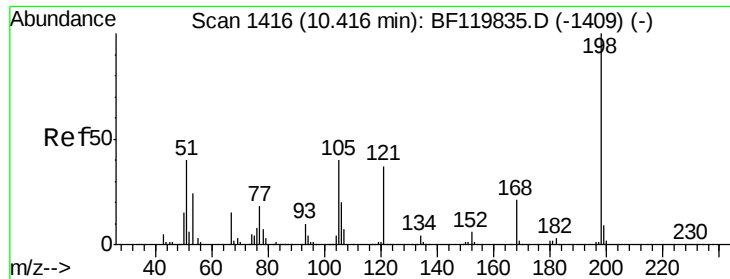
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.2	6.7	10.1	
80	9.3	7.4	11.2	

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





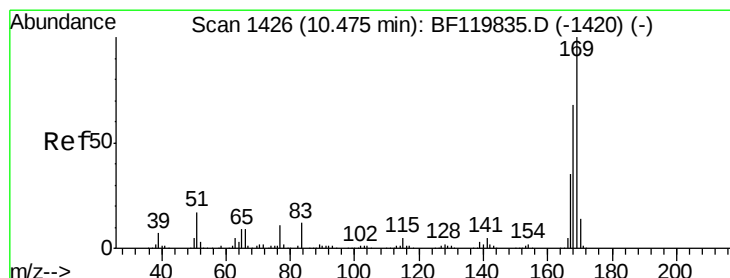
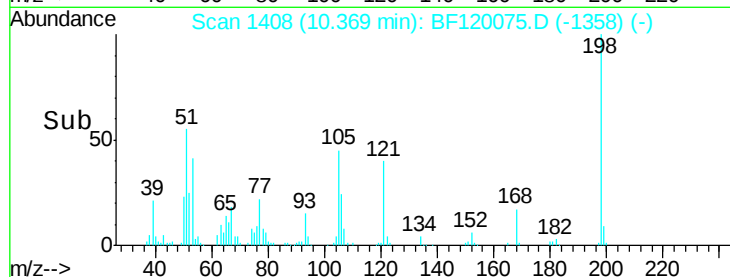
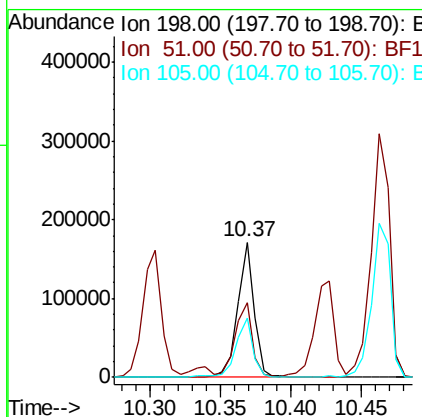
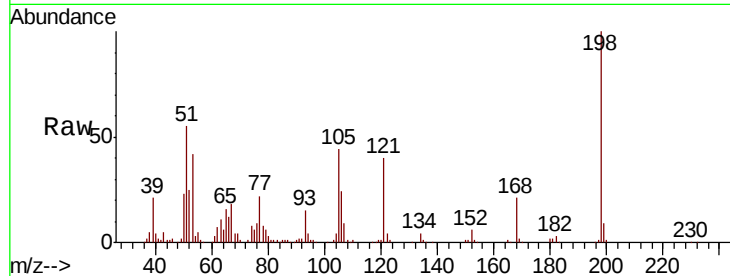
#65
4,6-Dinitro-2-methylphenol
Concen: 45.435 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	140620		
51	55.0	25.2	65.2	
105	44.3	20.8	60.8	

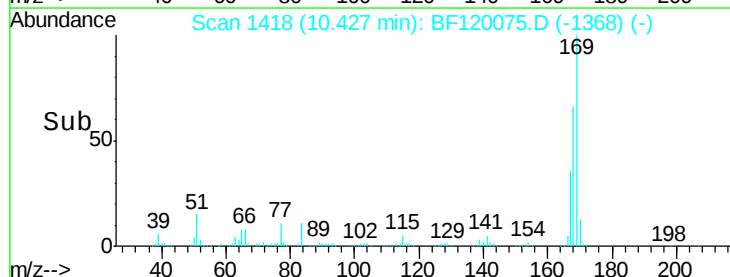
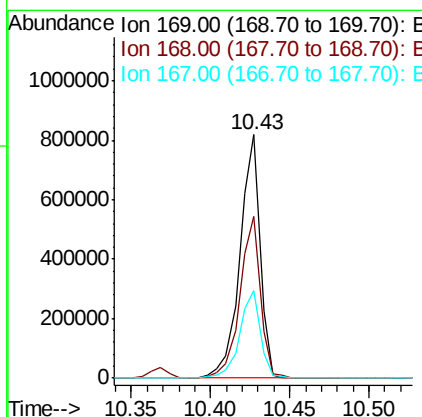
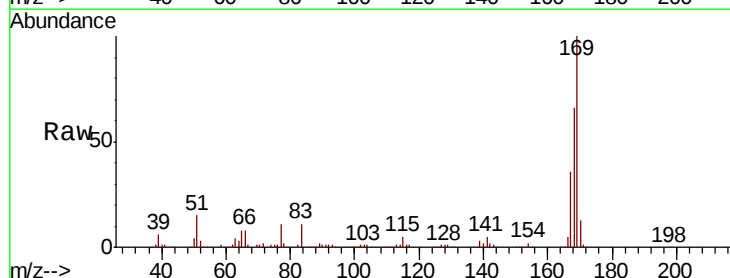
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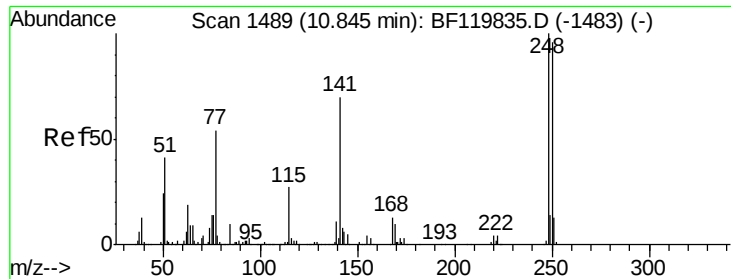
mohammad
4/21/2020 2:54:35 PM



#66
n-Nitrosodiphenylamine
Concen: 46.120 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	720574		
168	66.4	54.2	81.4	
167	36.1	28.3	42.5	





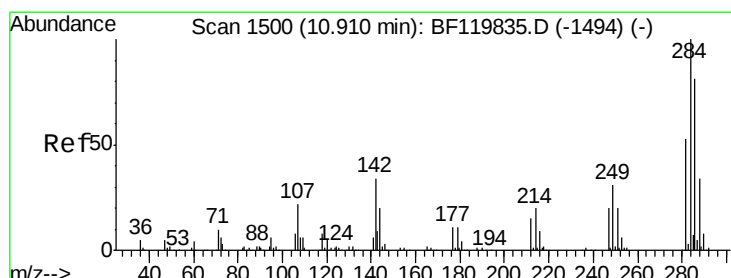
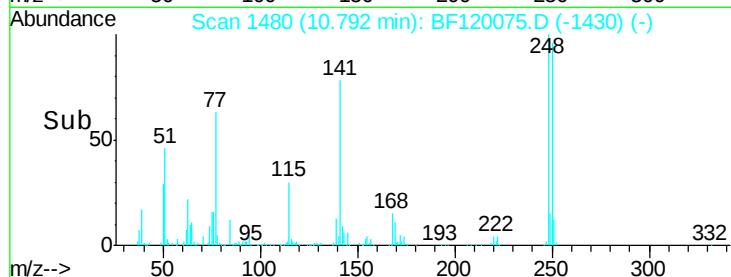
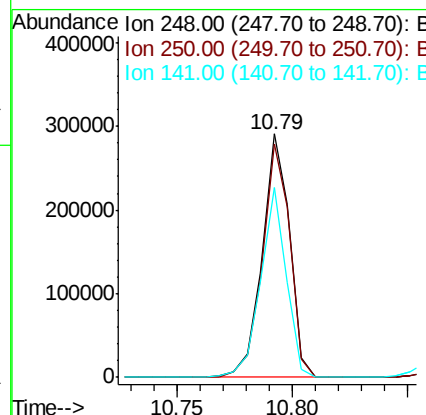
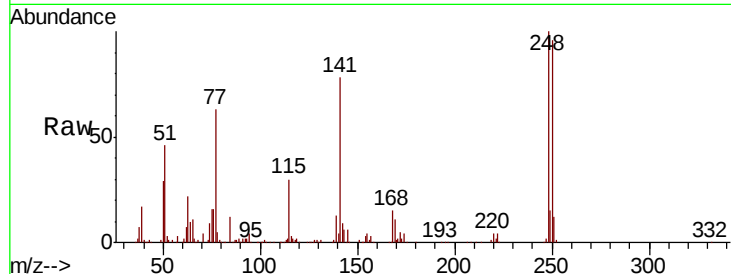
#67
4-Bromophenyl-phenylether
Concen: 41.176 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.6	114.8
141	77.9	55.9	83.9

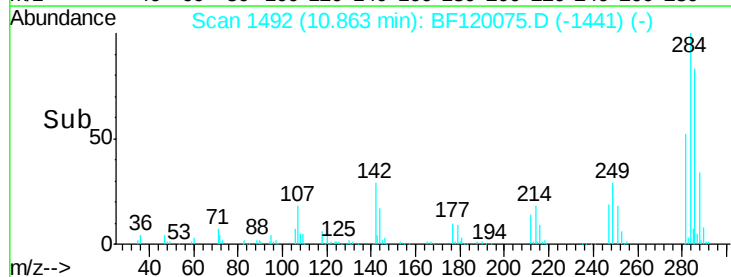
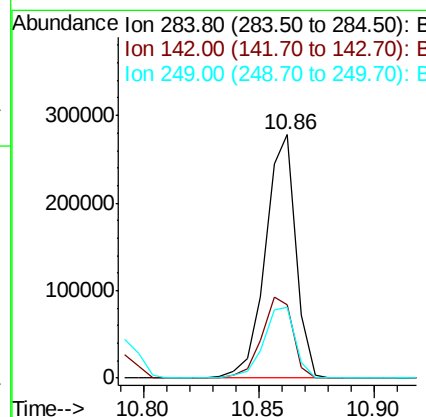
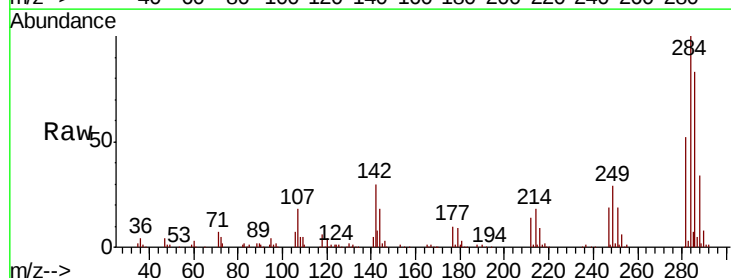
Manual Integrations
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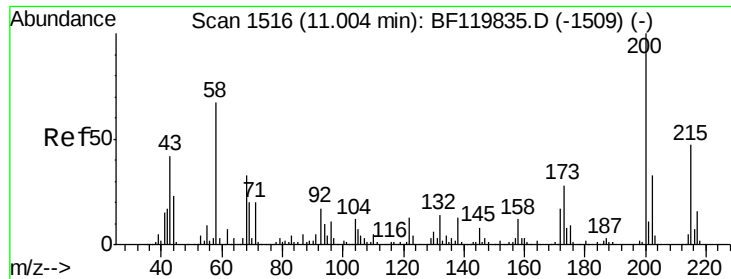
mohammad
4/21/2020 2:54:35 PM



#68
Hexachlorobenzene
Concen: 43.053 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.2	26.9	40.3
249	29.1	24.6	37.0





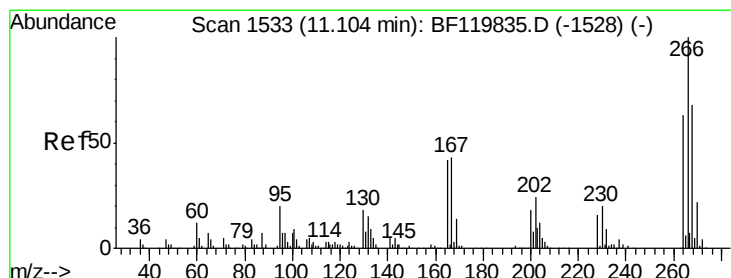
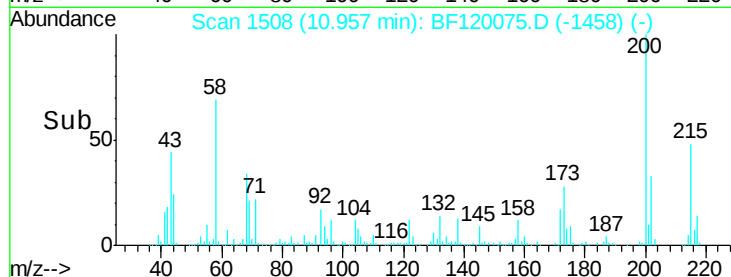
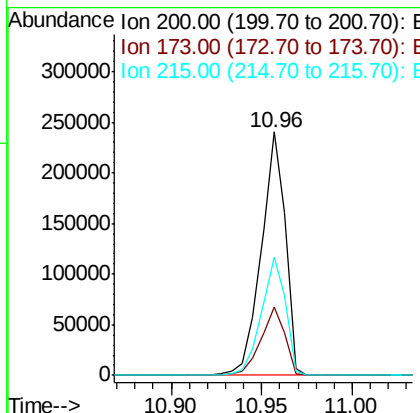
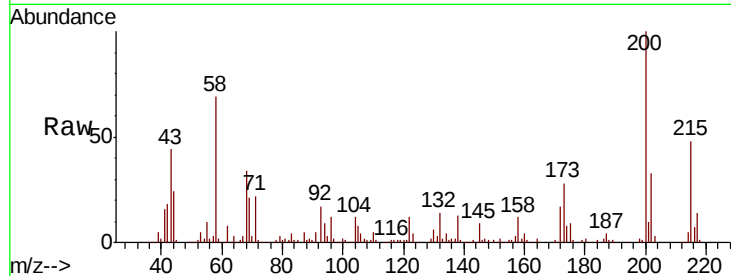
#69
Atrazine
Concen: 51.101 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.9	8.0	48.0
215	48.4	27.1	67.1

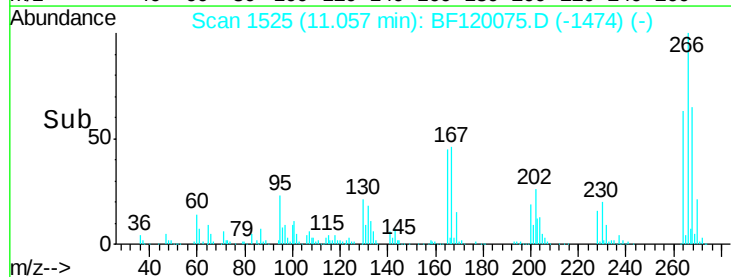
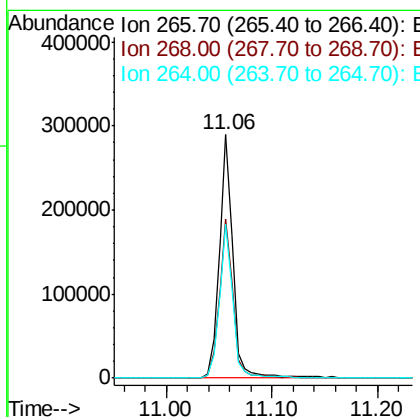
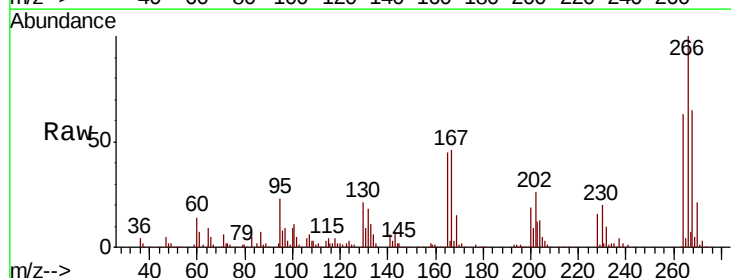
Manual Integrations
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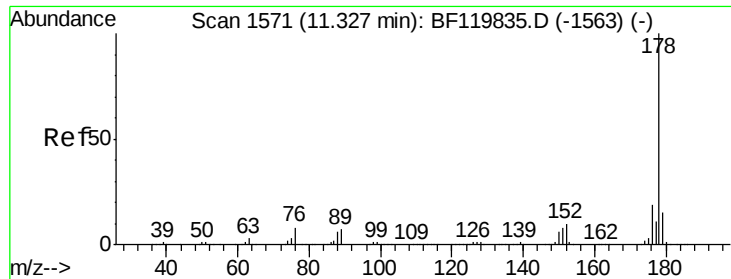
mohammad
4/21/2020 2:54:35 PM



#70
Pentachlorophenol
Concen: 78.143 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.2	54.2	81.4
264	63.1	50.6	76.0





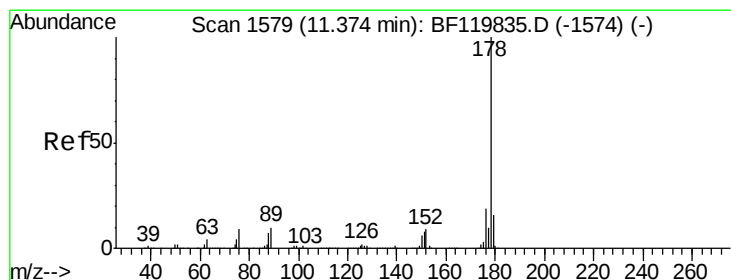
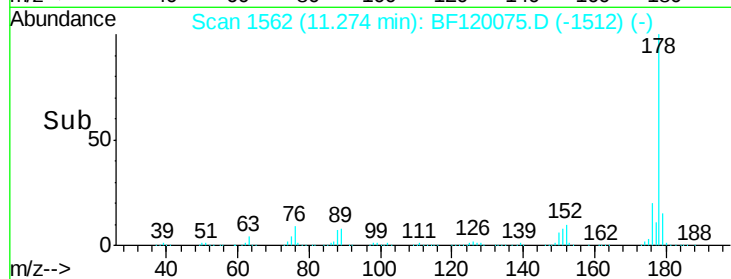
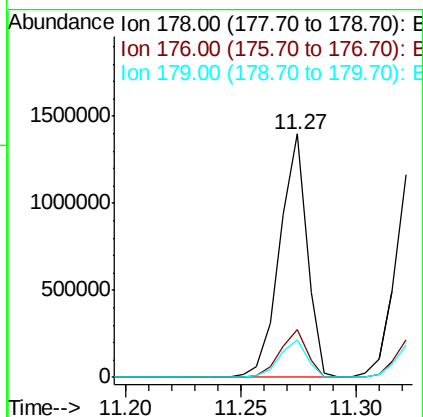
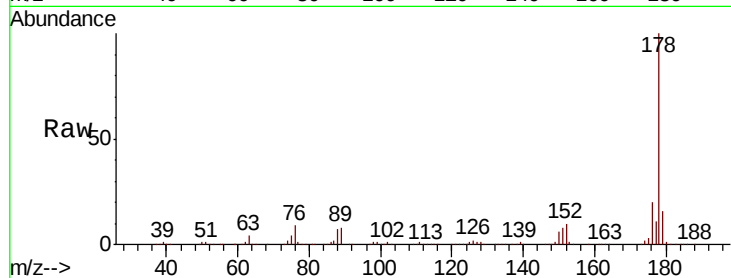
#71
Phenanthrene
Concen: 45.784 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion:178 Resp: 1144715
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.5 12.2 18.4

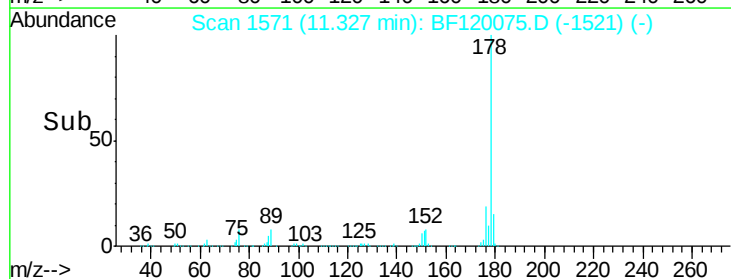
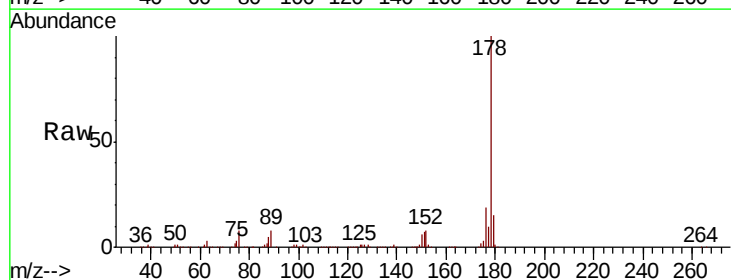
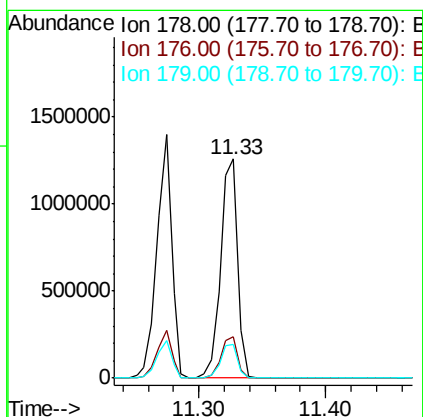
Manual Integrations
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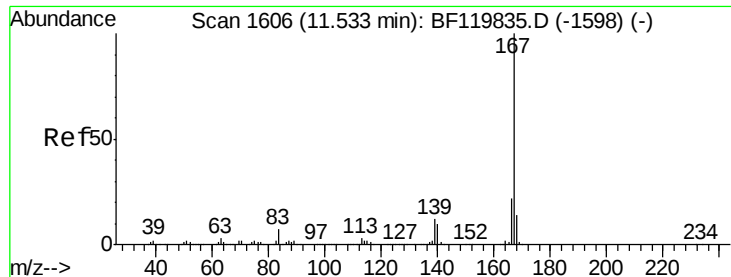
mohammad
4/21/2020 2:54:35 PM



#72
Anthracene
Concen: 46.354 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion:178 Resp: 1183957
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.2 12.8 19.2





#73

Carbazole

Concen: 43.408 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

ClientSampleId :

PB128301BS

Tot Ion:167 Resp: 1048486

Ion Ratio Lower Upper

167 100

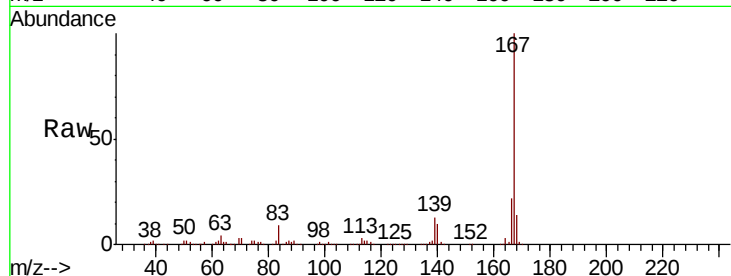
166 21.9 17.4 26.0

139 13.3 9.8 14.8

Manual Integrations
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mohammad

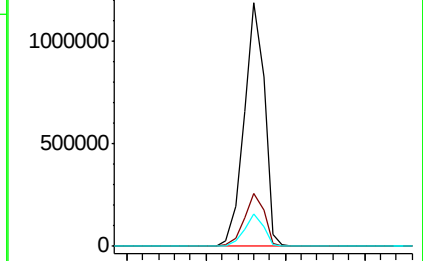
4/21/2020 2:54:35 PM



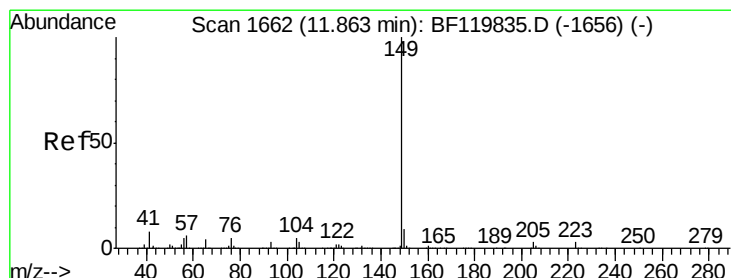
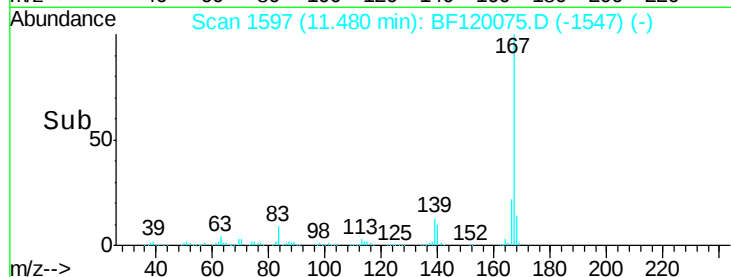
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 37.968 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

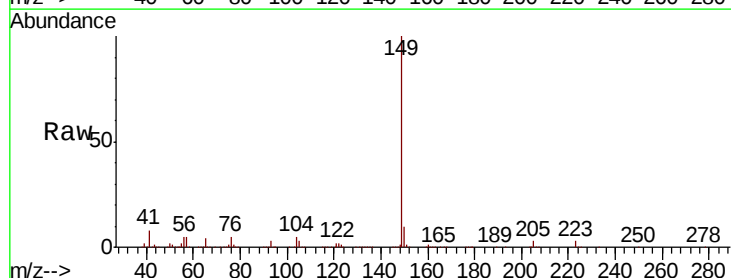
Tgt Ion:149 Resp: 1205578

Ion Ratio Lower Upper

149 100

150 9.8 7.6 11.4

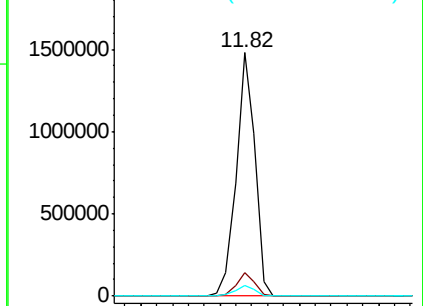
104 4.6 3.8 5.6



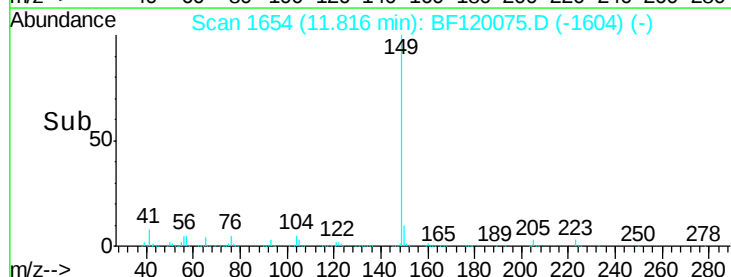
Abundance Ion 149.00 (148.70 to 149.70): E

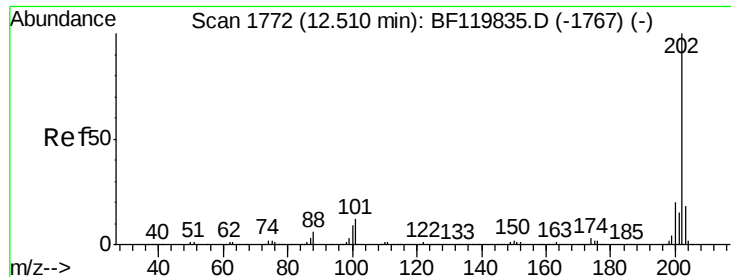
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





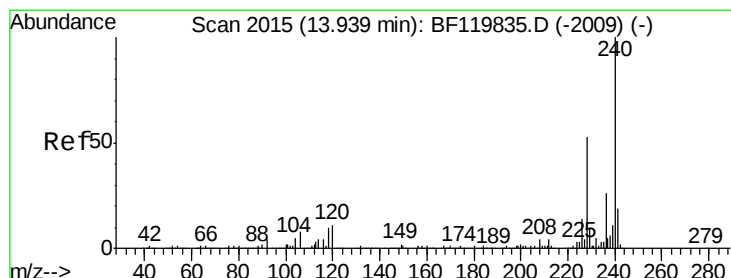
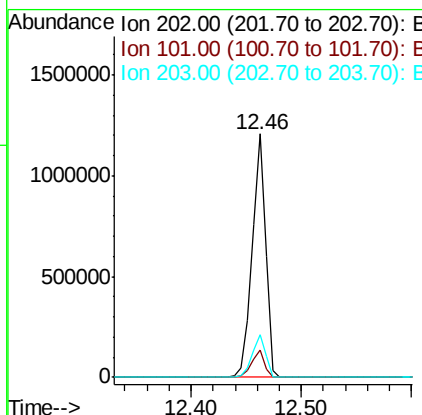
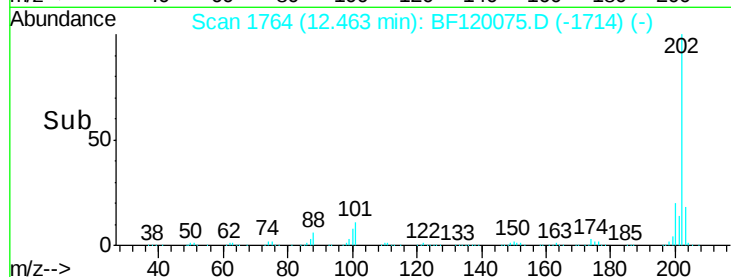
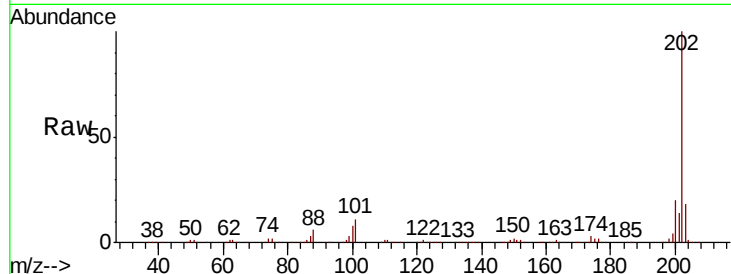
#75
Fluoranthene
Concen: 38.615 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.3
203	17.6	0.0	37.6

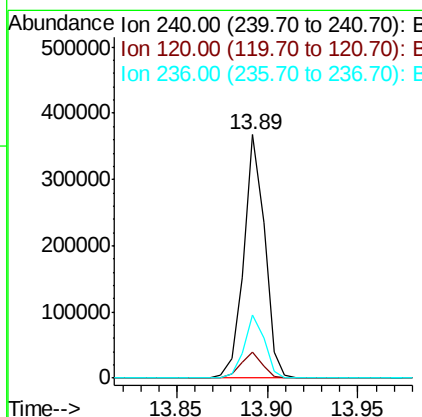
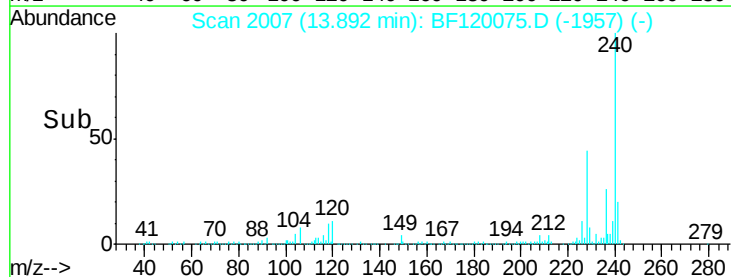
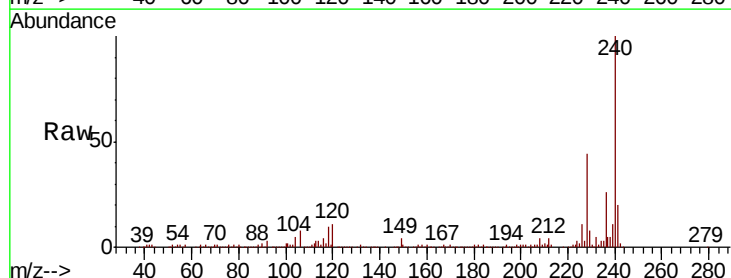
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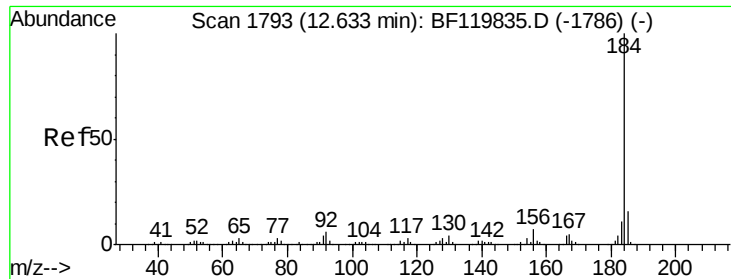
mohammad
4/21/2020 2:54:35 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.7	20.7	31.1





#77

Benzidine

Concen: 38.708 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

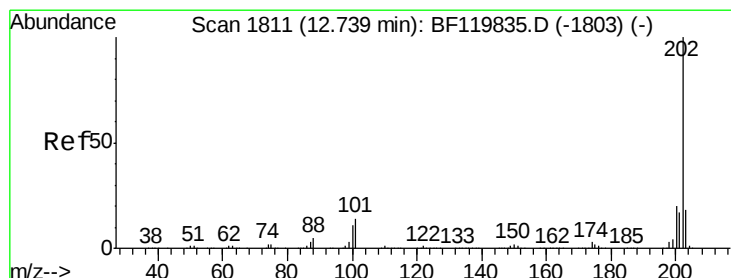
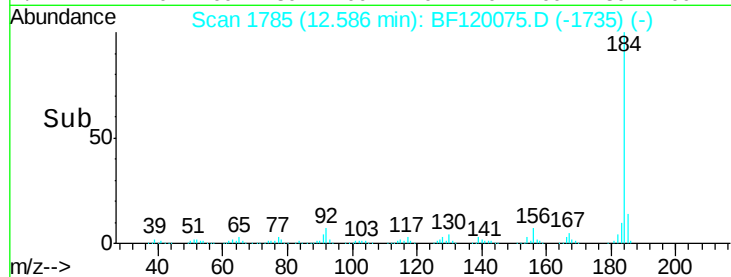
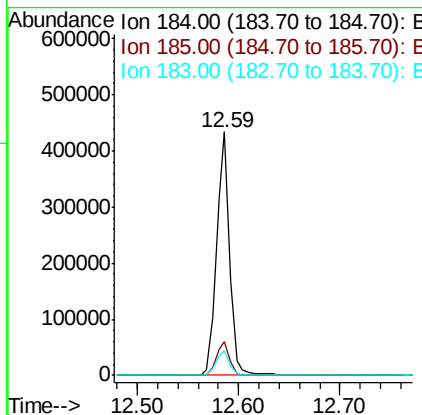
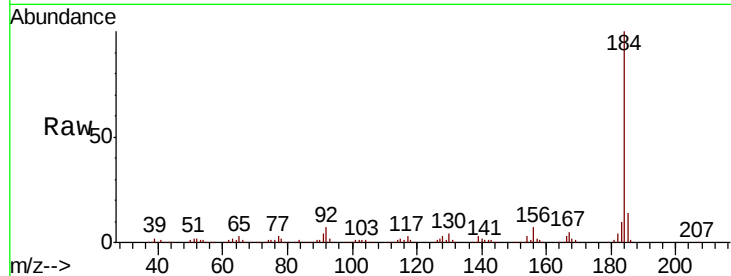
ClientSampleId :

PB128301BS

Tot Ion:	184	Resp:	384095
Ion Ratio	Lower	Upper	
184	100		
185	13.8	13.2	19.8
183	10.2	9.1	13.7

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#78

Pyrene

Concen: 41.981 ng

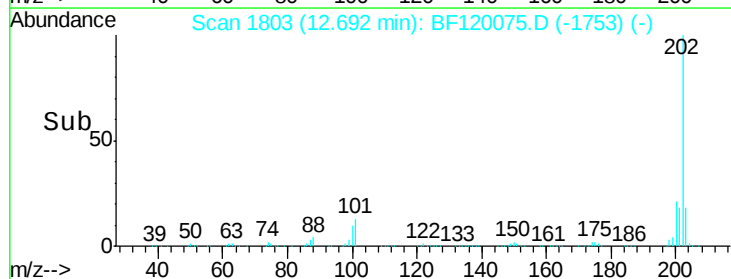
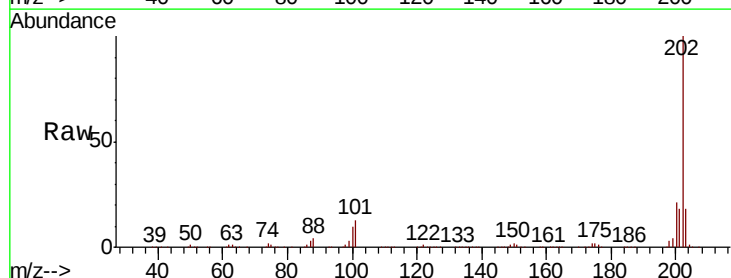
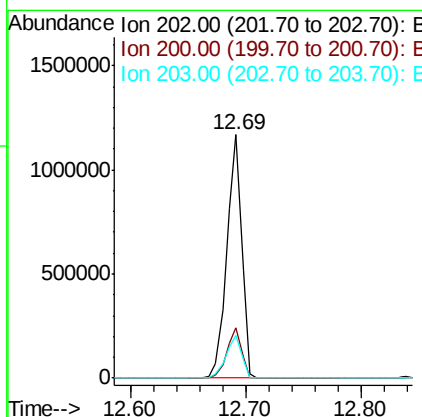
RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Tgt Ion:	202	Resp:	1038899
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.2	24.2
203	17.8	14.1	21.1





#79

Terphenyl-d14

Concen: 86.882 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

ClientSampleId :

PB128301BS

Tot Ion:244 Resp: 1515730

Ion Ratio Lower Upper

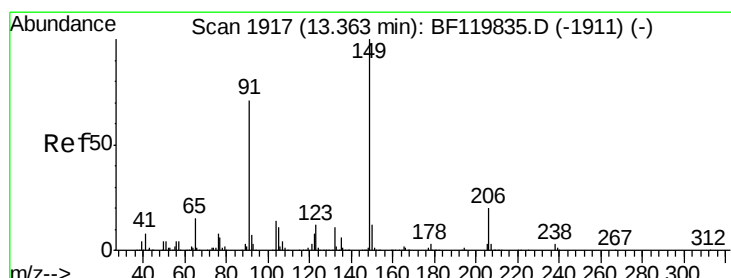
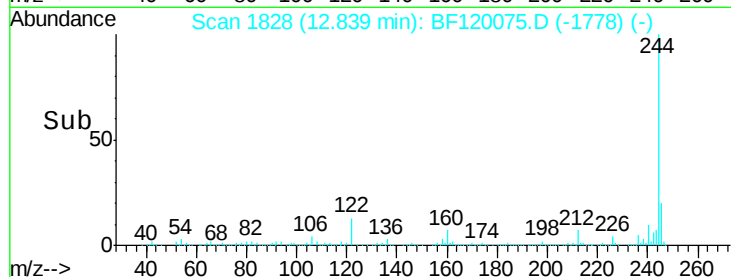
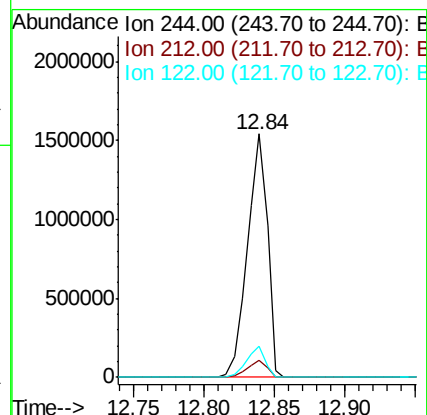
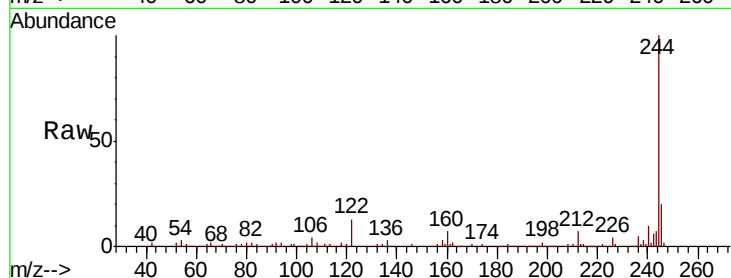
244 100

212 7.0 5.4 8.0

122 13.0 10.3 15.5

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#80

Butylbenzylphthalate

Concen: 40.034 ng

RT: 13.32 min Scan# 1909

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

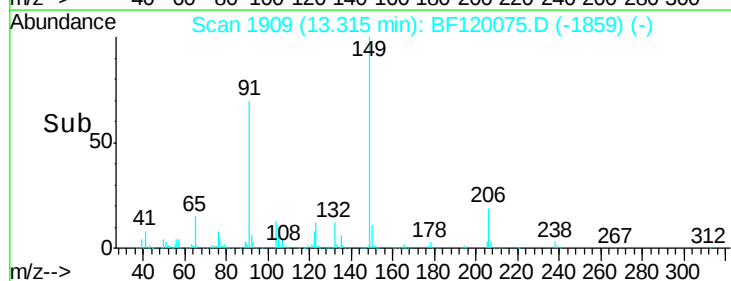
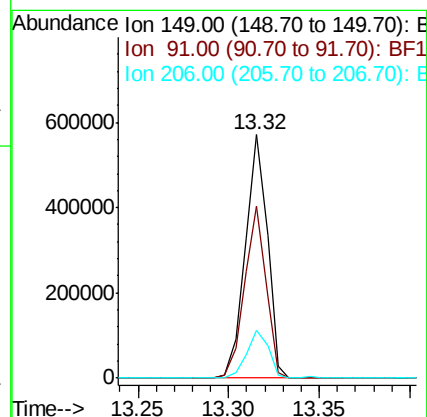
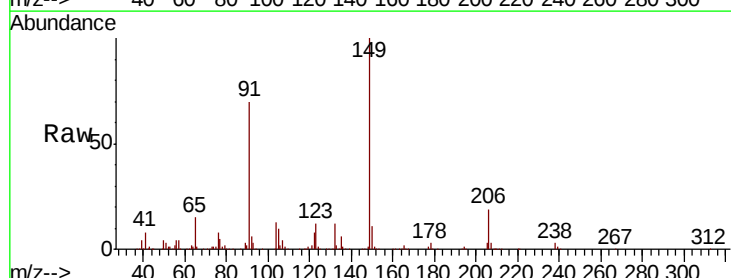
Tgt Ion:149 Resp: 480729

Ion Ratio Lower Upper

149 100

91 70.4 56.7 85.1

206 19.5 15.7 23.5





#81

Benzo(a)anthracene

Concen: 45.340 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120075.D

Acq: 20 Apr 2020 14:02

Instrument :

BNA_F

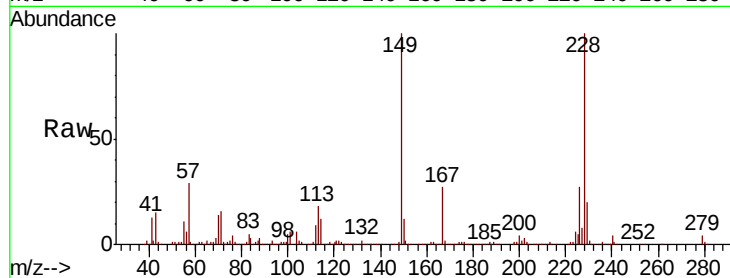
ClientSampleId :

PB128301BS

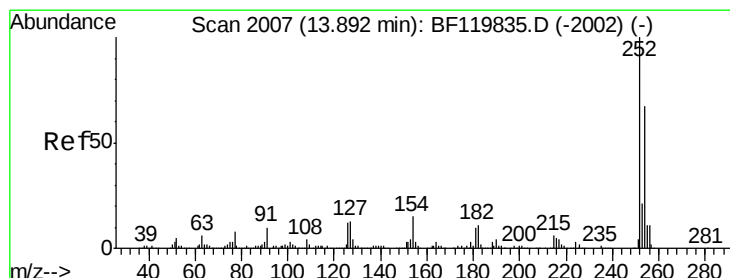
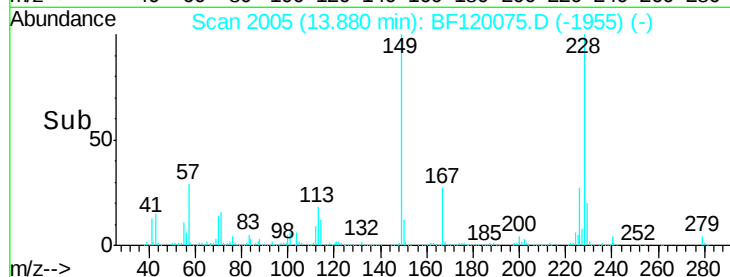
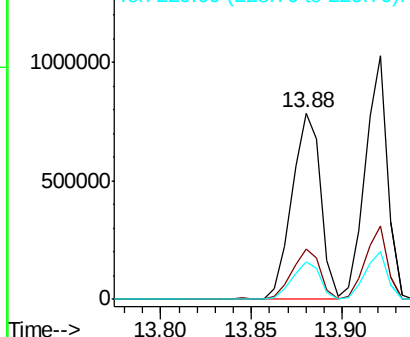
Tot Ion:	228	Resp:	875601
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.9	32.9
229	19.9	15.9	23.9

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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: 24.605 ng

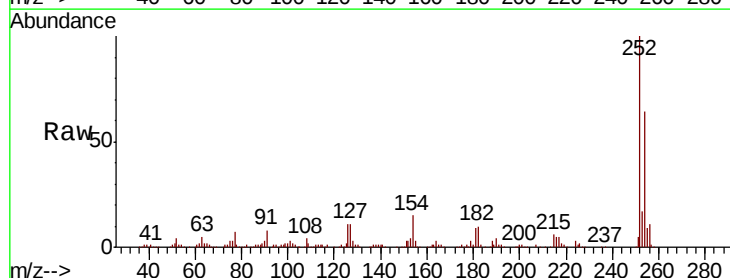
RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

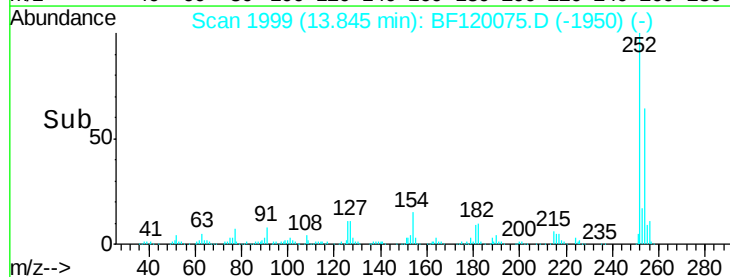
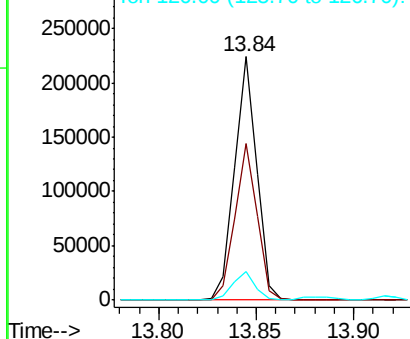
Lab File: BF120075.D

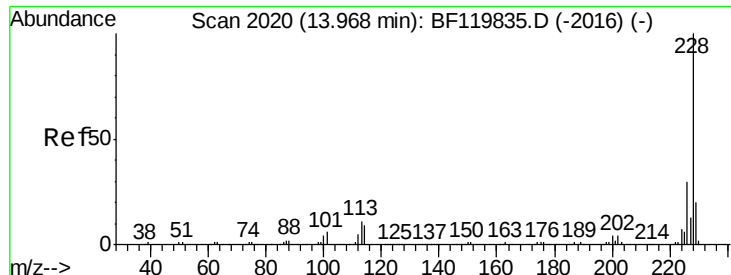
Acq: 20 Apr 2020 14:02

Tgt Ion:	252	Resp:	177296
Ion Ratio	Lower	Upper	
252	100		
254	64.2	53.9	80.9
126	11.5	9.7	14.5



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





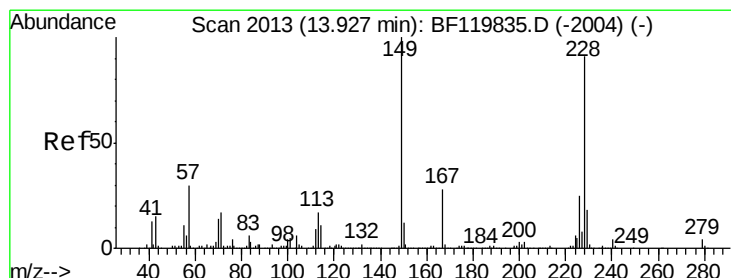
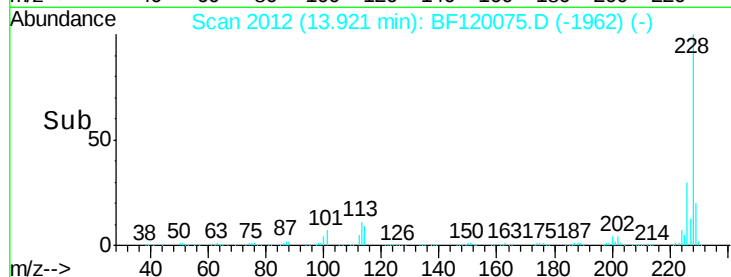
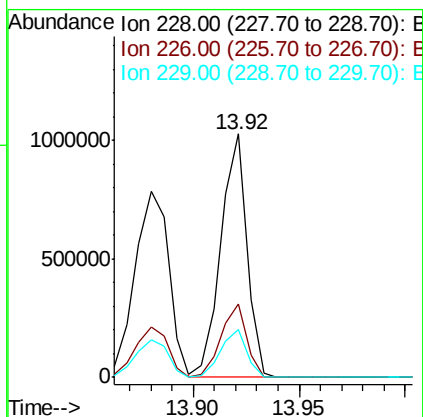
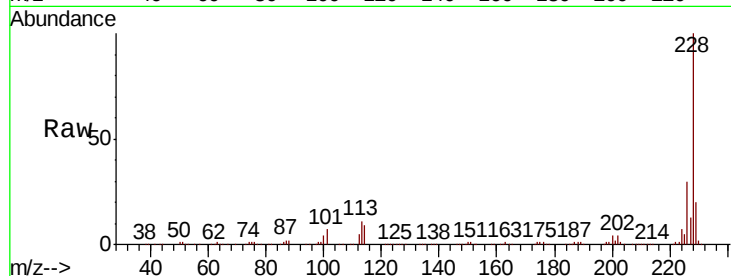
#83
Chrysene
Concen: 44.606 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.9	23.9

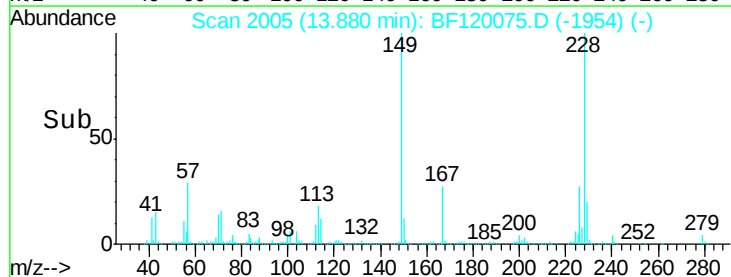
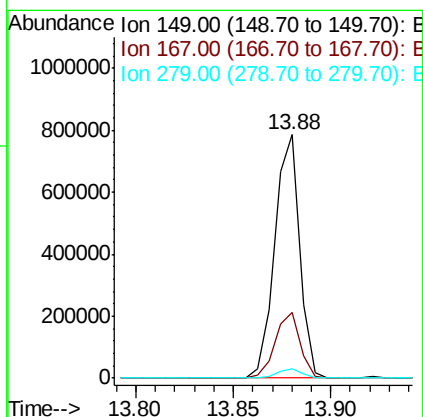
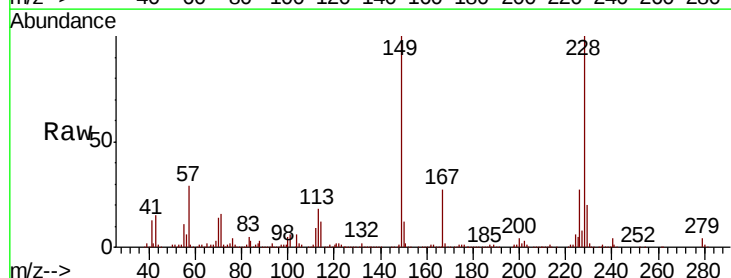
Manual Integrations
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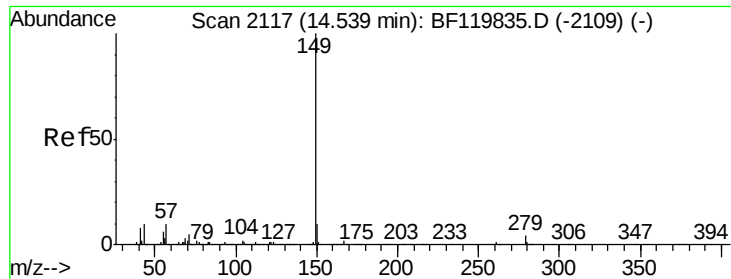
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 42.480 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.2
279	4.0	3.4	5.0





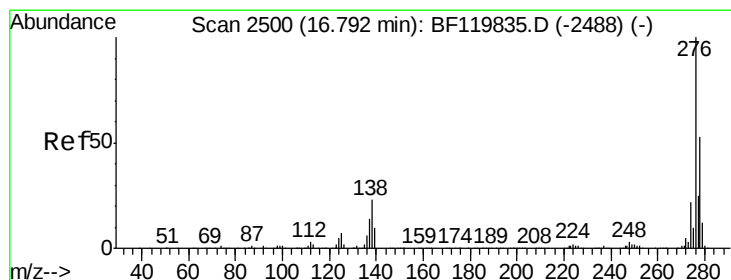
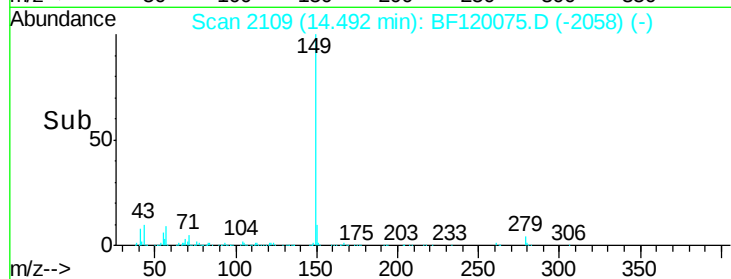
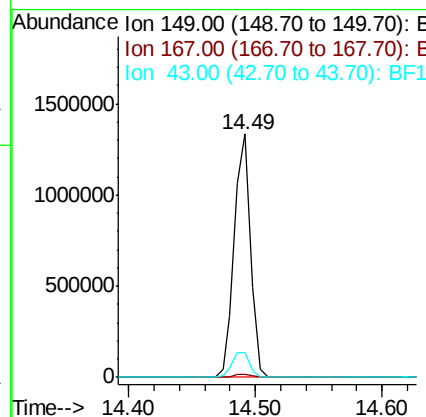
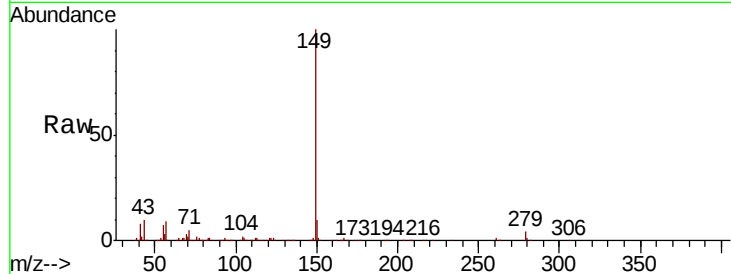
#85
Di-n-octyl phthalate
Concen: 42.395 ng
RT: 14.49 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.1	9.2	13.8

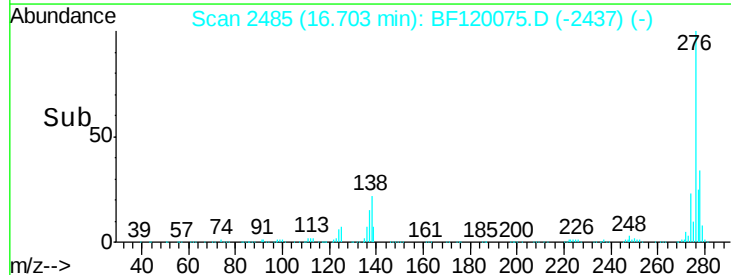
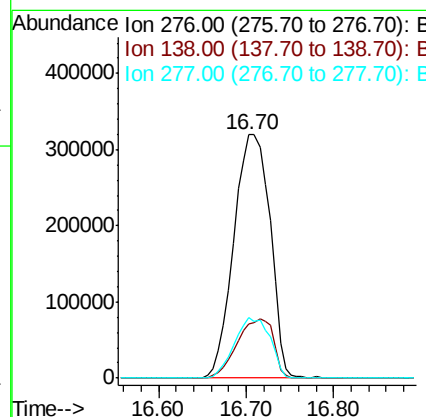
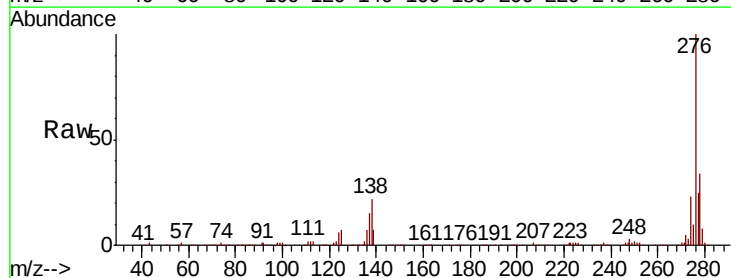
Manual Integrations
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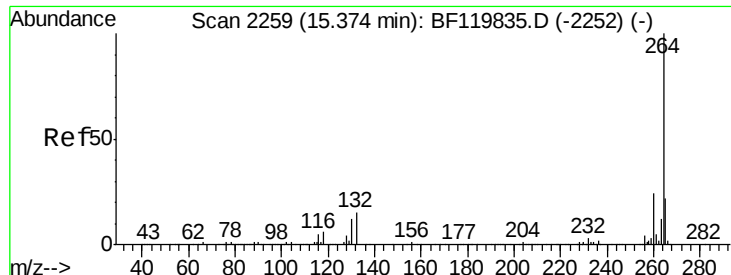
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 52.170 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.02 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.0	27.0
277	24.6	20.1	30.1





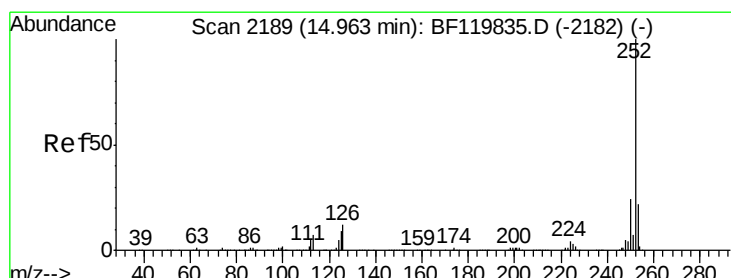
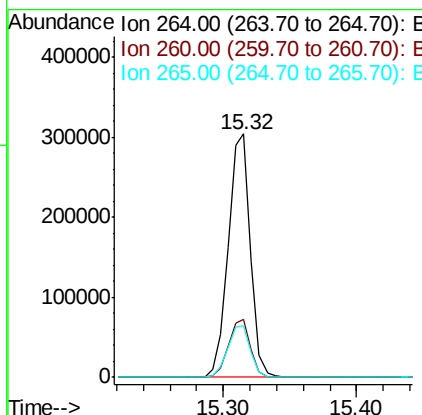
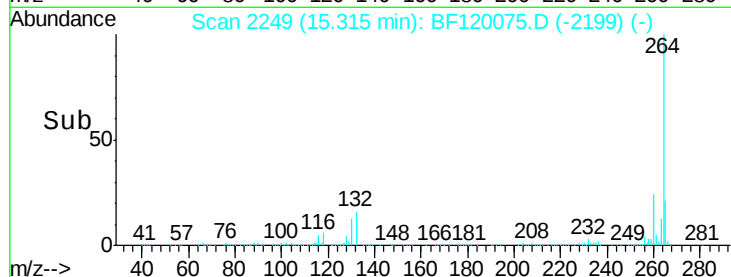
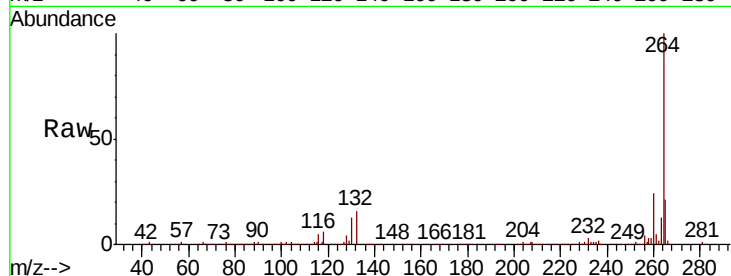
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	21.3	17.6	26.4

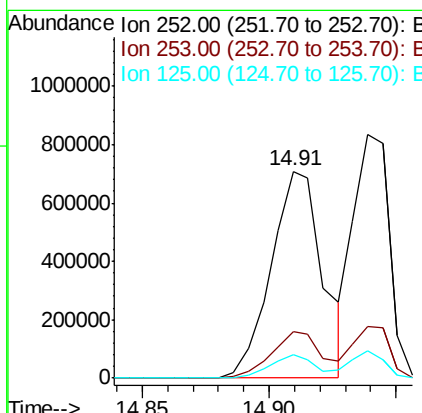
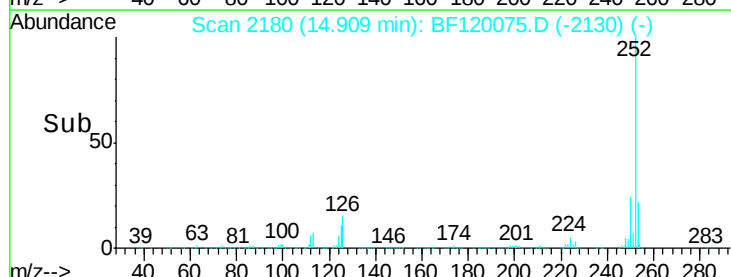
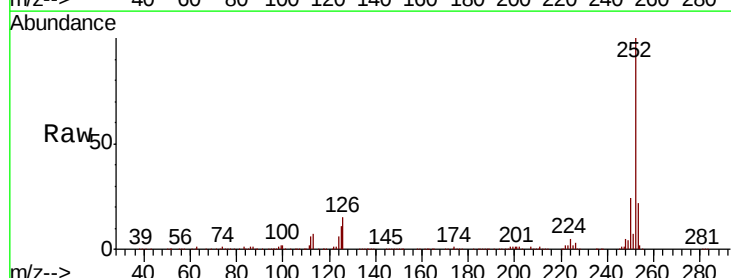
Manual Integrations
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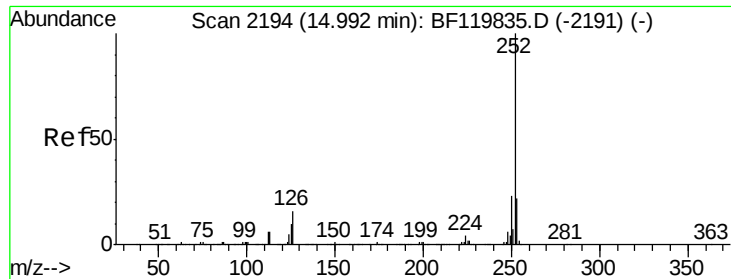
mohammad
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#88
Benzo(b)fluoranthene
Concen: 39.514 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.0	7.4	11.2





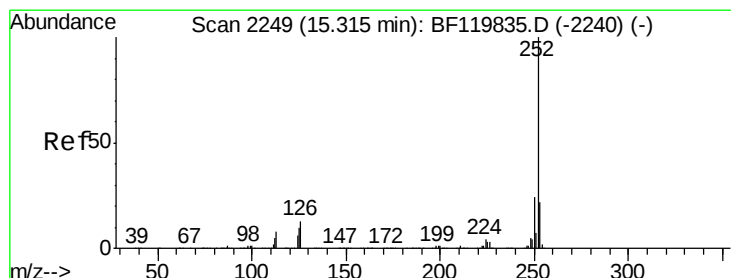
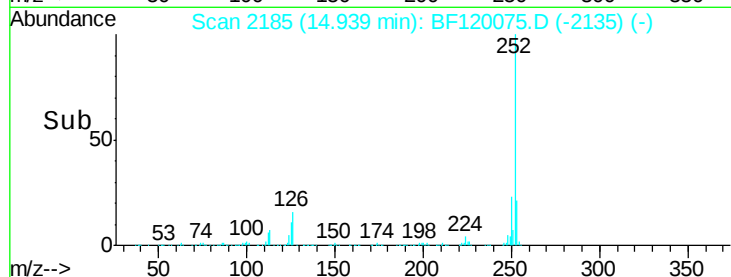
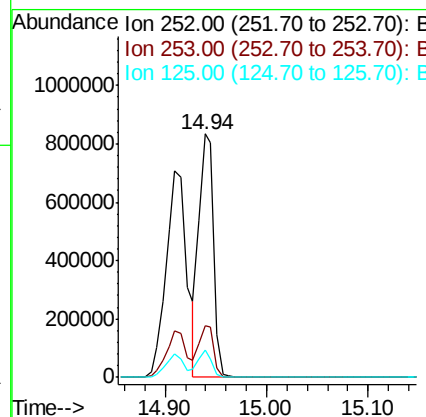
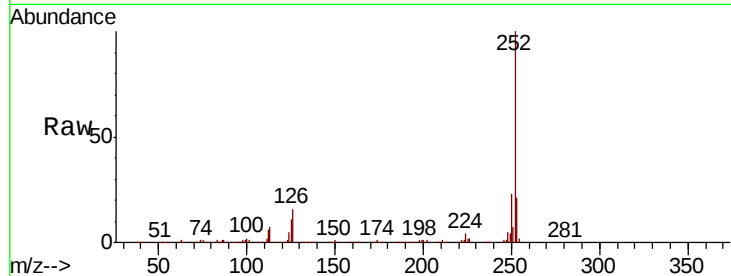
#89
Benzo(k)fluoranthene
Concen: 37.745 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	11.2	7.7	11.5

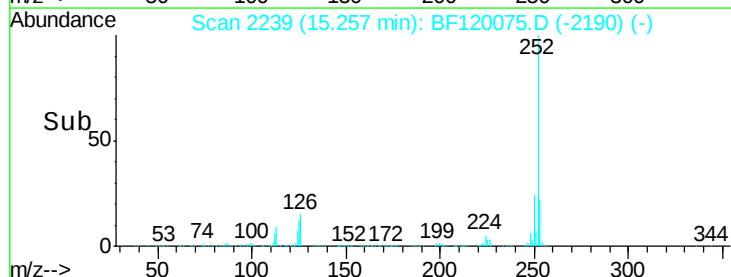
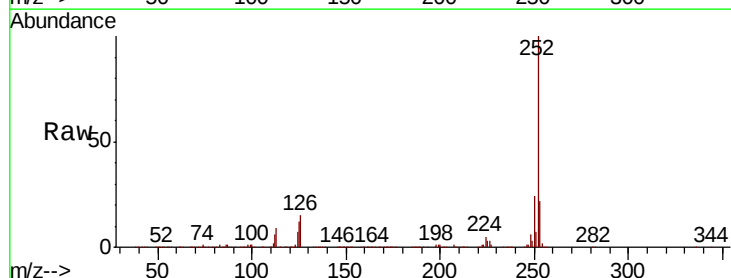
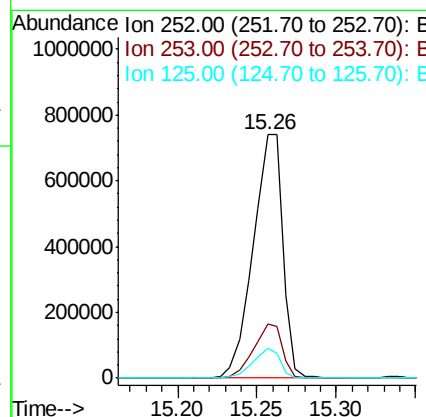
Manual Integrations
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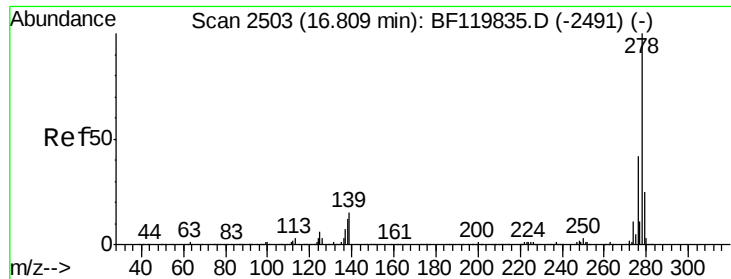
mohammad
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#90
Benzo(a)pyrene
Concen: 45.163 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	12.4	8.3	12.5





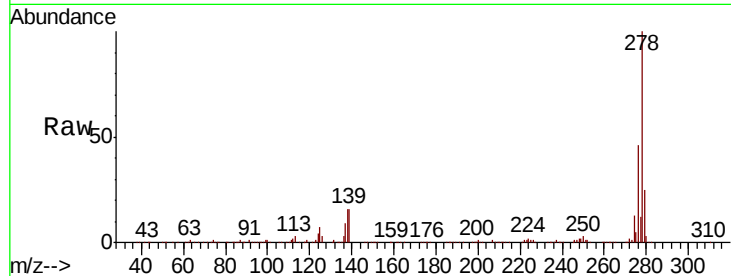
#91
Dibenzo(a,h)anthracene
Concen: 39.163 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Instrument :
BNA_F
ClientSampleId :
PB128301BS

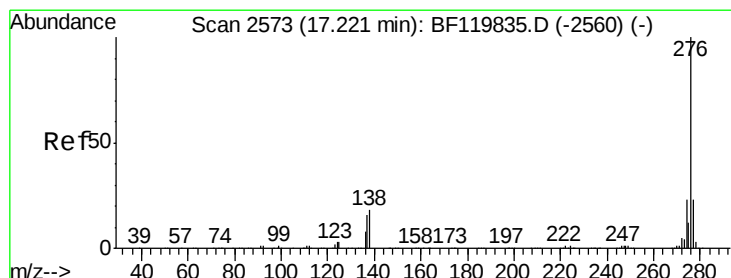
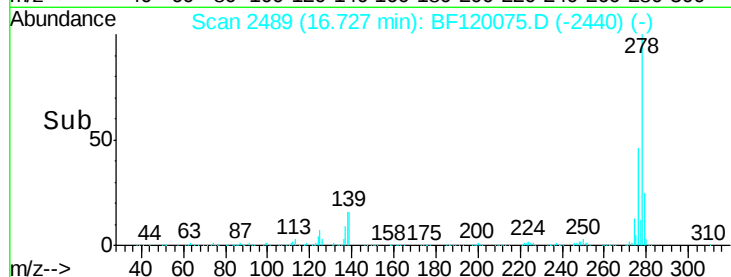
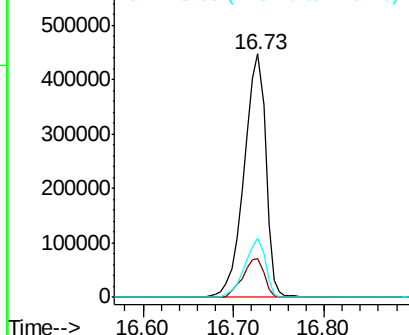
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	11.6	17.4
279	24.6	19.7	29.5

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 37.759 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF120075.D
Acq: 20 Apr 2020 14:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.5	27.7
138	19.2	14.6	22.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

