

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119295.D
 Acq On : 9 Mar 2020 20:59
 Operator : CG/JU
 Sample : L1844-04MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Manual Integrations
 APPROVED

mohammad
 3/10/2020 2:44:28 PM

Quant Time: Mar 09 21:31:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	95474	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	375405	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	209972	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	413887	20.00	ng	0.00
76) Chrysene-d12	13.89	240	326766	20.00	ng	0.00
87) Perylene-d12	15.31	264	326733	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	683598	119.66	ng	0.00
7) Phenol-d6	6.38	99	821729	118.27	ng	0.00
23) Nitrobenzene-d5	7.29	82	553709	77.88	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	317194	115.48	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1102230	77.33	ng	0.00
79) Terphenyl-d14	12.83	244	1504360	79.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.41	88	104851	41.221	ng	98
3) Pyridine	3.15	79	227944	32.813	ng	99
4) n-Nitrosodimethylamine	3.09	42	99754	47.404	ng	99
6) Aniline	6.39	93	281031	32.780	ng	96
8) 2-Chlorophenol	6.52	128	317808	51.547	ng	97
9) Benzaldehyde	6.27	77	216472	46.632	ng	100
10) Phenol	6.39	94	374957	49.914	ng	97
11) bis(2-Chloroethyl)ether	6.46	93	279768	48.674	ng	97
12) 1,3-Dichlorobenzene	6.66	146	345098	46.700	ng	97
13) 1,4-Dichlorobenzene	6.74	146	353125	47.754	ng	99
14) 1,2-Dichlorobenzene	6.89	146	327885	48.619	ng	99
15) Benzyl Alcohol	6.88	79	263058	52.385	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.00	45	228180	45.828	ng	# 14
17) 2-Methylphenol	7.00	107	253616	50.737	ng	93
18) Hexachloroethane	7.23	117	123604	46.721	ng	98
19) n-Nitroso-di-n-propylamine	7.15	70	216232	53.409	ng	96
20) 3+4-Methylphenols	7.16	107	339032	55.361	ng	# 86
22) Acetophenone	7.14	105	427181	49.181	ng	# 94
24) Nitrobenzene	7.31	77	330053	46.942	ng	95
25) Isophorone	7.55	82	587248	47.559	ng	99
26) 2-Nitrophenol	7.63	139	174476	46.835	ng	96
27) 2,4-Dimethylphenol	7.67	122	269233	53.250	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	357045	44.424	ng	99
29) 2,4-Dichlorophenol	7.88	162	279228	46.912	ng	97
30) 1,2,4-Trichlorobenzene	7.95	180	303154	42.958	ng	99
31) Naphthalene	8.03	128	905242	46.496	ng	99
32) Benzoic acid	7.85	122	144554	40.410	ng	98
33) 4-Chloroaniline	8.09	127	117732	14.060	ng	98
34) Hexachlorobutadiene	8.15	225	187756	42.712	ng	99
35) Caprolactam	8.46	113	87156m	47.555	ng	
36) 4-Chloro-3-methylphenol	8.59	107	296573	49.233	ng	99
37) 2-Methylnaphthalene	8.72	142	619267	47.265	ng	98
38) 1-Methylnaphthalene	8.82	142	583643	47.366	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	311090	43.943	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	114215	48.512	nq	99
43) 2,4,6-Trichlorophenol	9.01	196	195663	43.767	nq	99
44) 2,4,5-Trichlorophenol	9.06	196	205222	43.746	nq	99
46) 1,1'-Biphenyl	9.18	154	763425	44.987	nq	98
47) 2-Chloronaphthalene	9.21	162	605764	44.296	nq	98
48) 2-Nitroaniline	9.32	65	178881	46.898	nq	98
49) Acenaphthylene	9.62	152	929438	47.057	nq	99
50) Dimethylphthalate	9.49	163	819788	51.058	nq	99
51) 2,6-Dinitrotoluene	9.56	165	164617	46.147	nq	92
52) Acenaphthene	9.79	154	553930	46.511	nq	99
53) 3-Nitroaniline	9.73	138	83385	21.085	nq	94
54) 2,4-Dinitrophenol	9.85	184	124701	72.680	nq	# 90
55) Dibenzofuran	9.97	168	826200	46.478	nq	98
56) 4-Nitrophenol	9.92	139	139548	58.731	nq	96
57) 2,4-Dinitrotoluene	9.97	165	218926	47.348	nq	98
58) Fluorene	10.31	166	676660	48.987	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	183095	46.254	nq	97
60) Diethylphthalate	10.19	149	740044	48.909	nq	100
61) 4-Chlorophenyl-phenylether	10.30	204	355392	48.607	nq	97
62) 4-Nitroaniline	10.35	138	156939	38.788	nq	97
63) Azobenzene	10.46	77	663167	50.423	nq	95
65) 4,6-Dinitro-2-methylphenol	10.39	198	114895	45.876	nq	92
66) n-Nitrosodiphenylamine	10.42	169	618269	45.621	nq	100
67) 4-Bromophenyl-phenylether	10.79	248	236122	43.645	nq	95
68) Hexachlorobenzene	10.86	284	267877	42.946	nq	99
69) Atrazine	10.95	200	213037	44.992	nq	97
70) Pentachlorophenol	11.07	266	189055	75.242	nq	100
71) Phenanthrene	11.27	178	1051465	46.584	nq	99
72) Anthracene	11.32	178	1084400	48.083	nq	98
73) Carbazole	11.48	167	951171	47.342	nq	99
74) Di-n-butylphthalate	11.80	149	1221822	50.217	nq	98
75) Fluoranthene	12.46	202	1164940	48.622	nq	98
77) Benzidine	12.58	184	530840	39.945	nq	99
78) Pyrene	12.69	202	1165791	44.430	nq	99
80) Butylbenzylphthalate	13.30	149	533179	48.281	nq	98
81) Benzo(a)anthracene	13.88	228	1057110	47.479	nq	98
82) 3,3'-Dichlorobenzidine	13.83	252	302667	35.009	nq	98
83) Chrysene	13.92	228	1019479	45.954	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	772255	55.353	nq	100
85) Di-n-octyl phthalate	14.46	149	1287268	57.909	nq	99
86) Indeno(1,2,3-cd)pyrene	16.73	276	959536	44.669	nq	99
88) Benzo(b)fluoranthene	14.91	252	1041167	48.344	nq	98
89) Benzo(k)fluoranthene	14.93	252	923217	46.257	nq	100
90) Benzo(a)pyrene	15.26	252	868190	44.666	nq	98
91) Dibenzo(a,h)anthracene	16.73	278	813220	47.550	nq	100
92) Benzo(g,h,i)perylene	17.14	276	772525	45.717	nq	98

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



#1

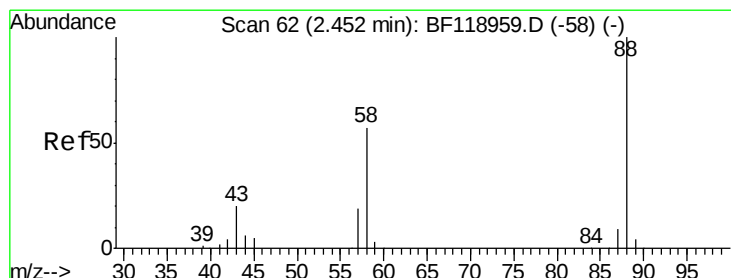
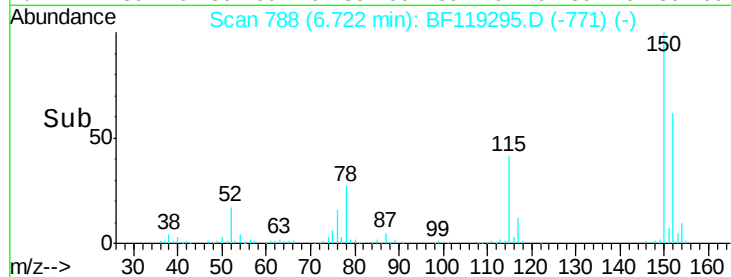
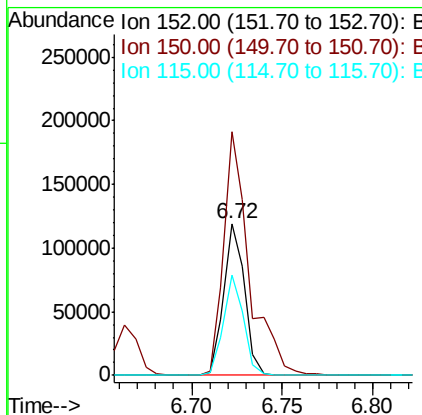
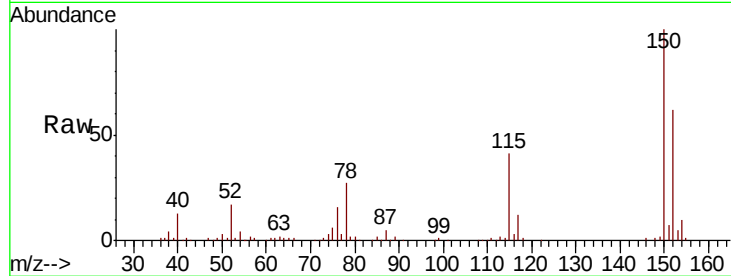
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	123.0	184.6
115	65.9	49.5	74.3

Manual Integrations
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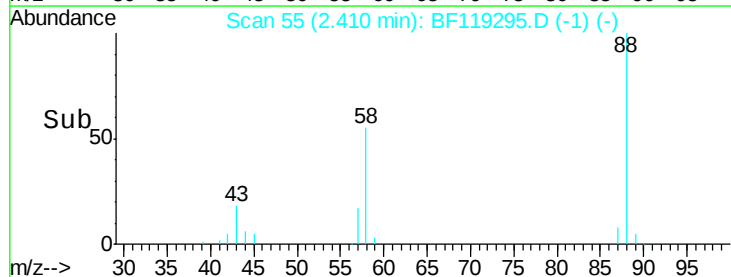
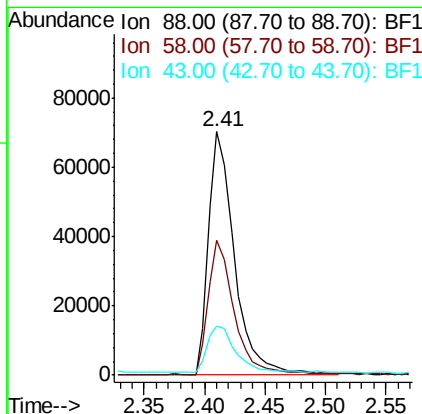
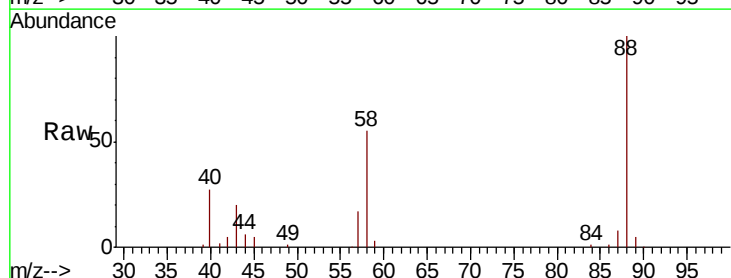
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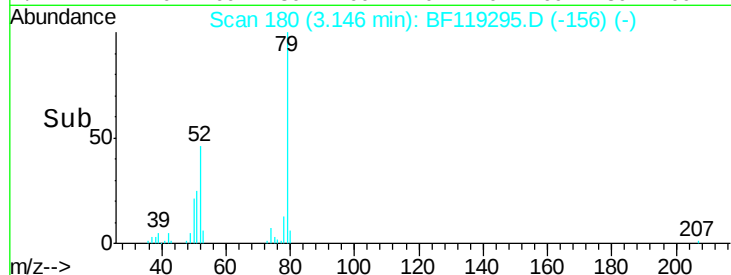
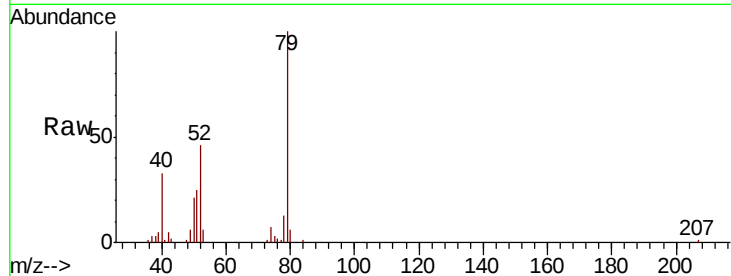
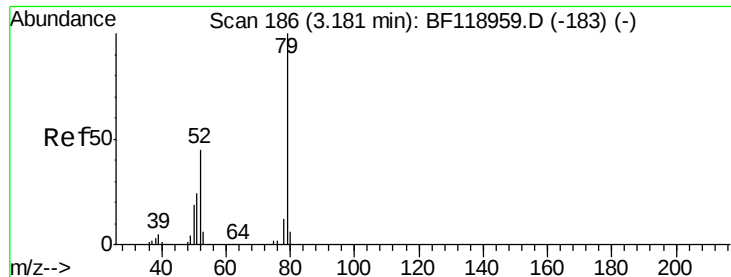


#2

1,4-Dioxane
Concen: 41.221 ng
RT: 2.41 min Scan# 55
Delta R.T. 0.03 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.0	43.8	65.6
43	20.7	16.2	24.4





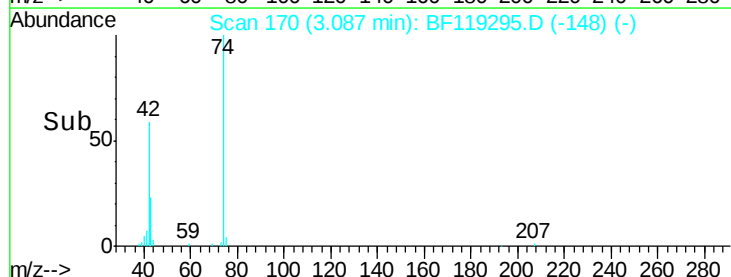
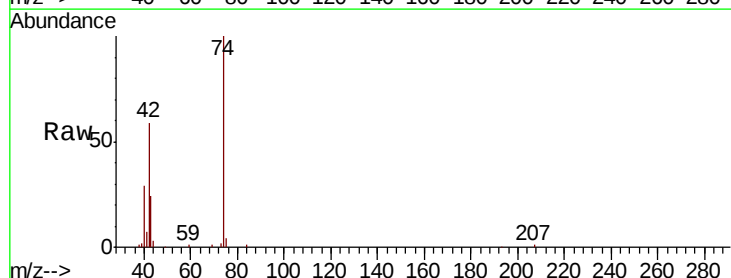
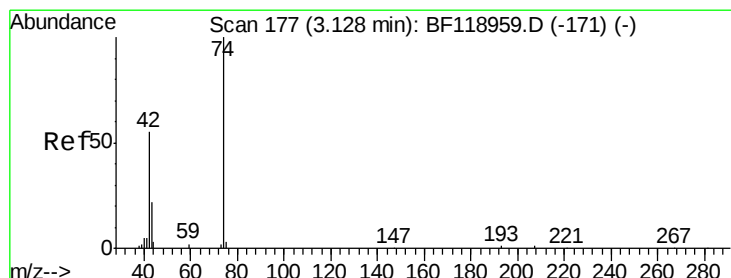
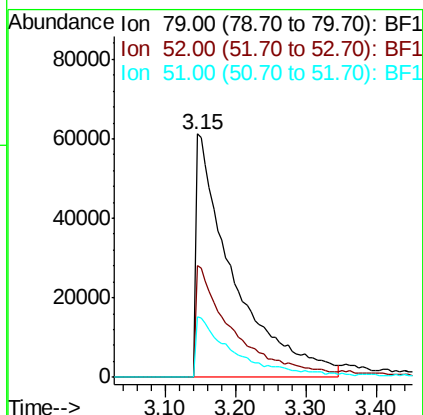
#3
Pvridine
Concen: 32.813 ng
RT: 3.15 min Scan# 180
Delta R.T. 0.04 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tot Ion	Ratio	Lower	Upper
79	100		
52	45.8	37.4	56.0
51	24.8	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

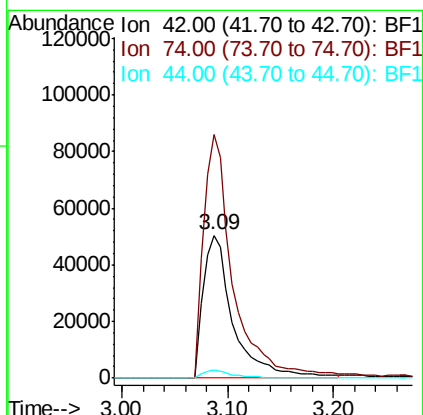
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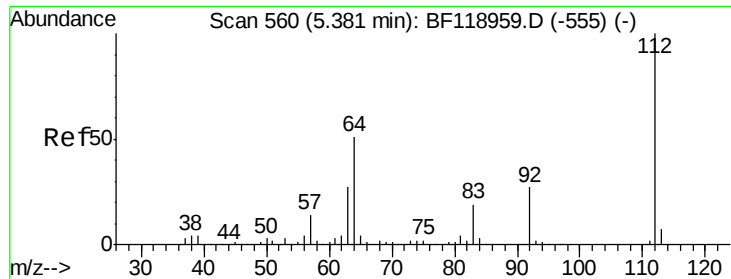
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#4
n-Nitrosodimethylamine
Concen: 47.404 ng
RT: 3.09 min Scan# 170
Delta R.T. 0.03 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
42	100		
74	170.7	137.7	206.5
44	5.3	4.5	6.7





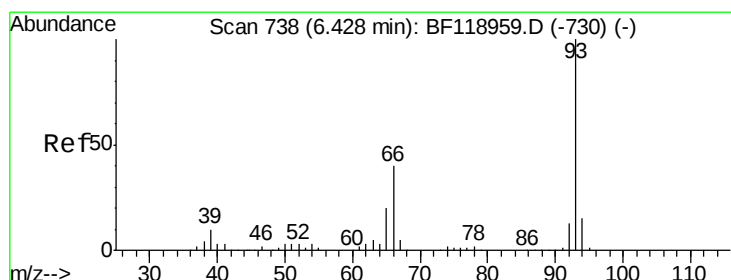
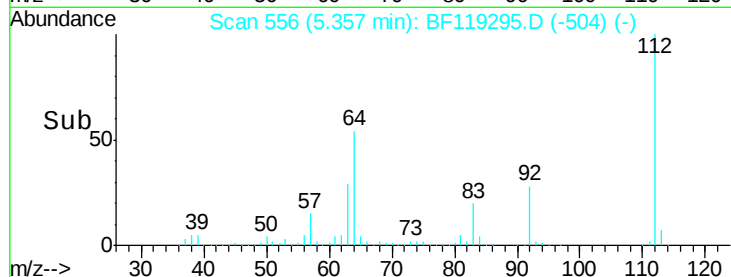
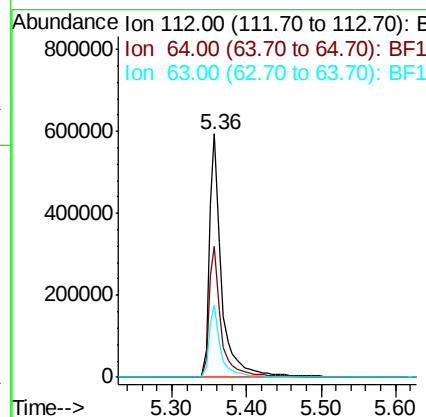
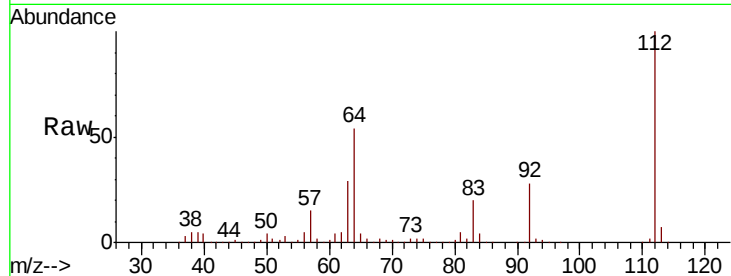
#5
2-Fluorophenol
Concen: 119.657 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	53.8	45.0	67.4
63	29.4	24.2	36.4

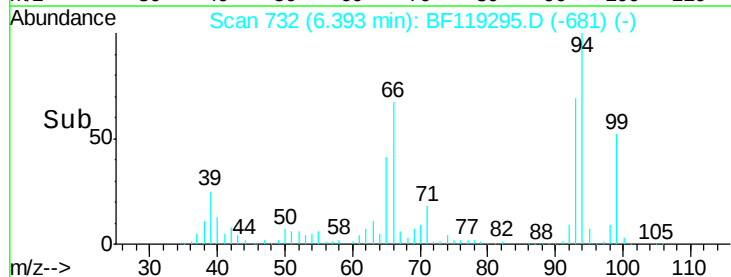
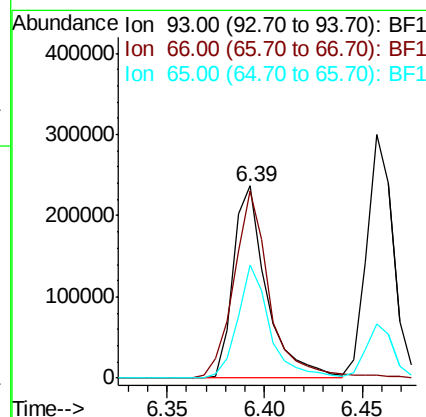
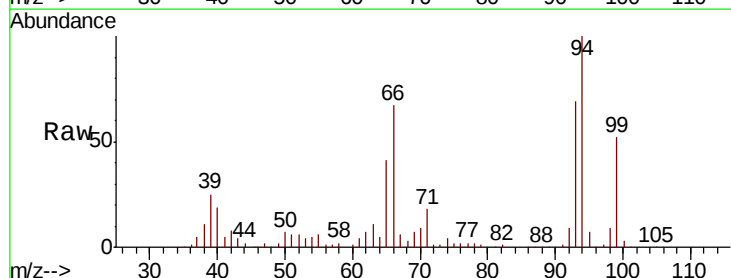
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#6
Aniline
Concen: 32.780 ng
RT: 6.39 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	97.1	74.5	111.7
65	58.9	45.3	67.9





#7

Phenol-d6

Concen: 118.268 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

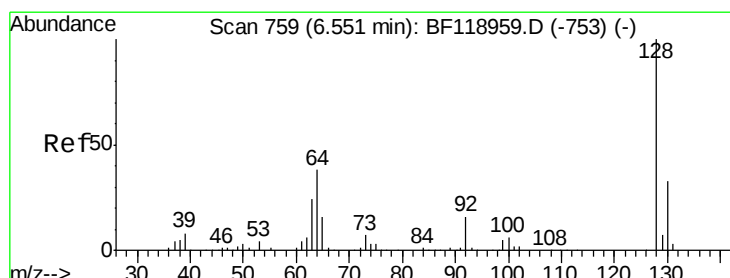
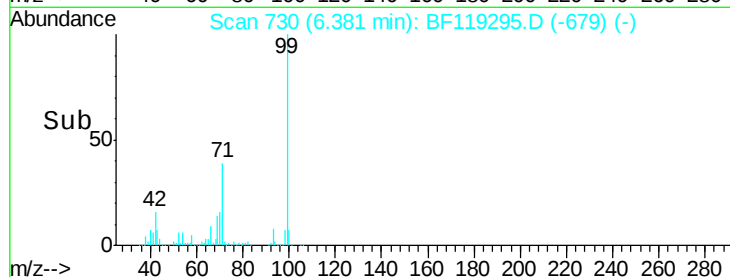
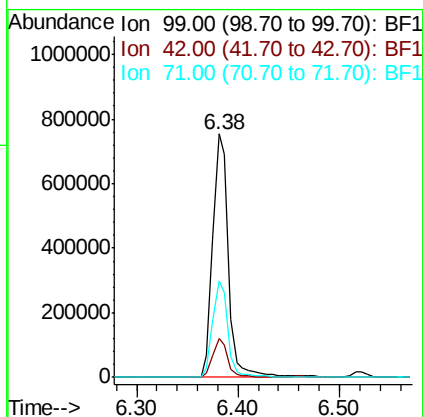
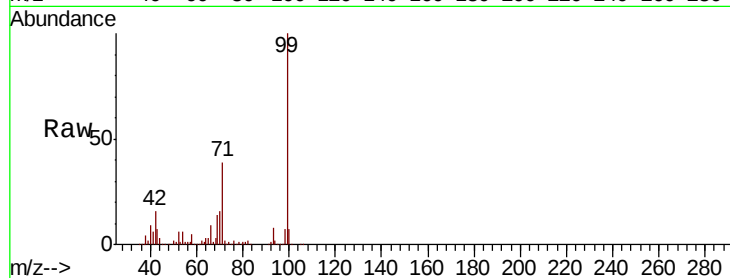
ClientSampleId :

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Tot Ion:	99	Resp:	821729
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.6	18.8
71	39.4	31.0	46.4

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#8

2-Chlorophenol

Concen: 51.547 ng

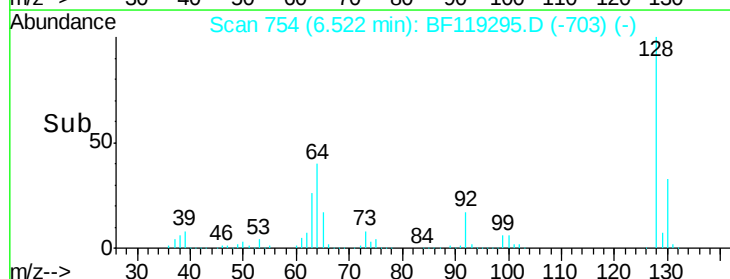
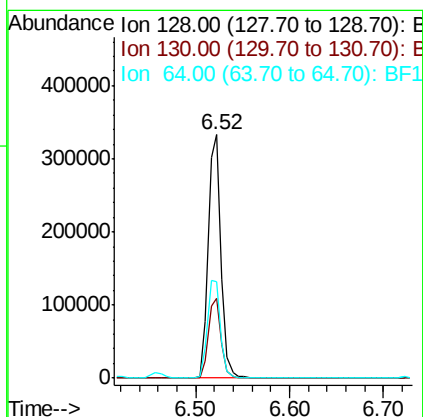
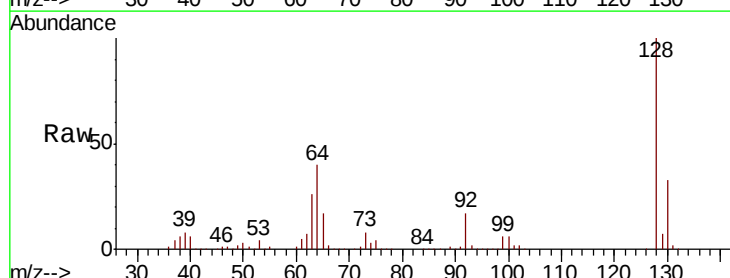
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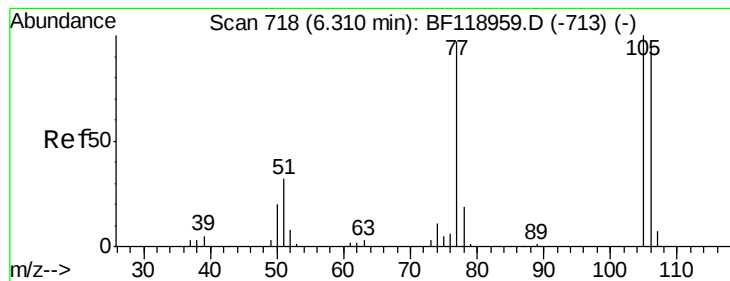
Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion:	128	Resp:	317808
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	39.7	22.3	62.3





#9

Benzaldehyde

Concen: 46.632 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

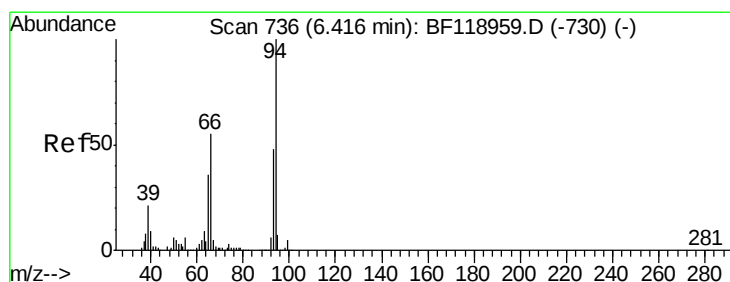
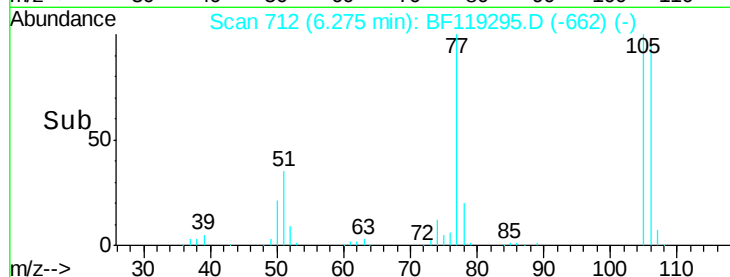
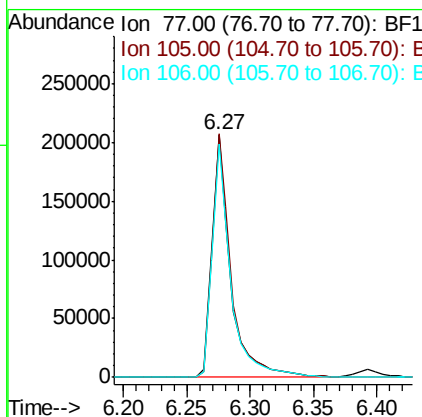
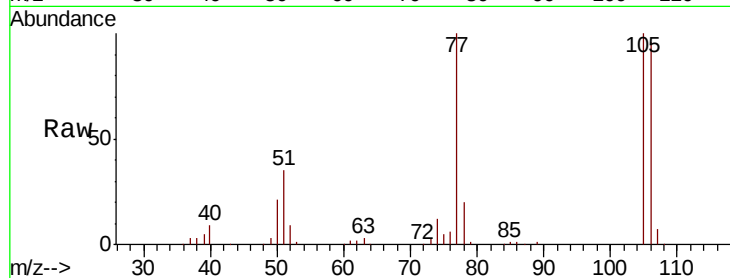
ClientSampleId :

GP-17-030520MSD

Tot Ion:	77	Resp:	216472
Ion	Ratio	Lower	Upper
77	100		
105	100.2	80.1	120.1
106	95.9	75.9	115.9

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#10

Phenol

Concen: 49.914 ng

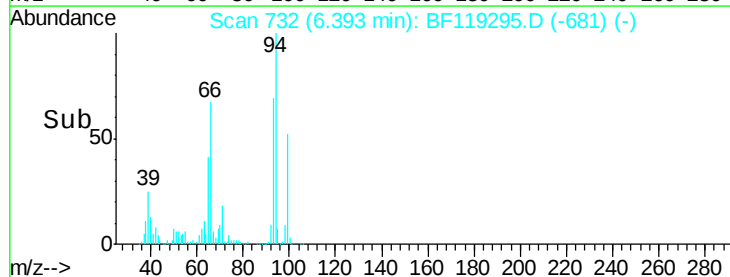
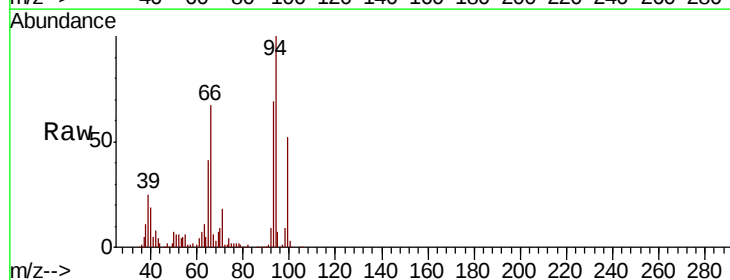
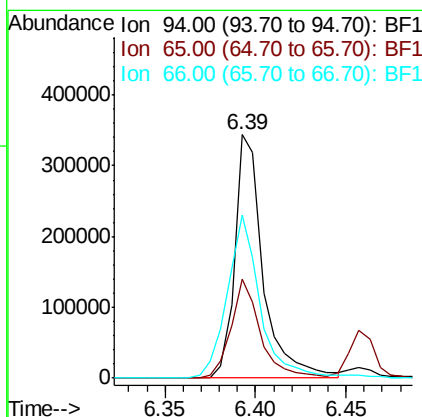
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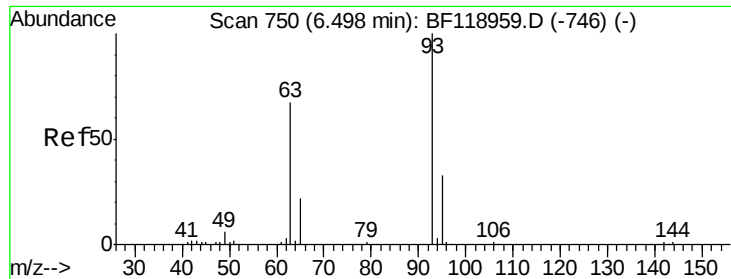
Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion:	94	Resp:	374957
Ion	Ratio	Lower	Upper
94	100		
65	40.6	19.2	59.2
66	66.8	44.4	84.4





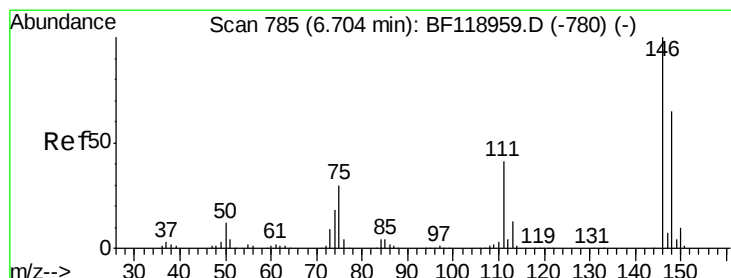
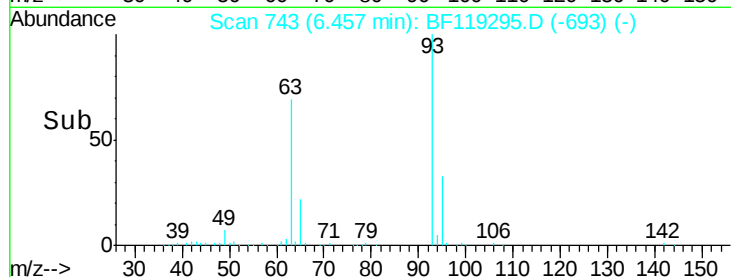
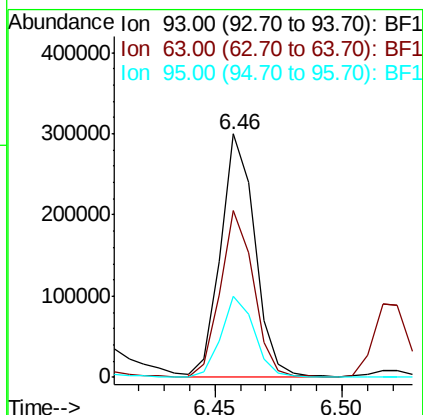
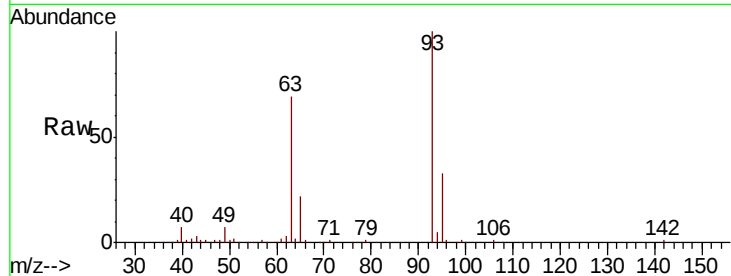
#11
bis(2-Chloroethyl)ether
Concen: 48.674 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.7	45.4	85.4
95	33.2	13.5	53.5

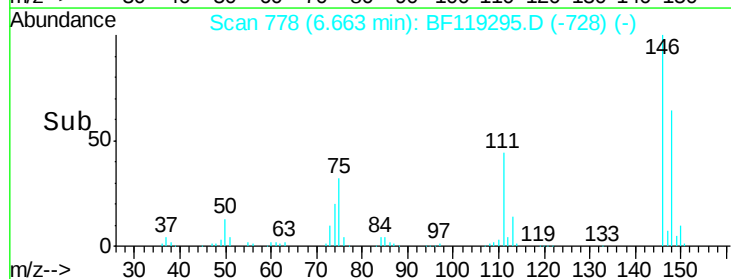
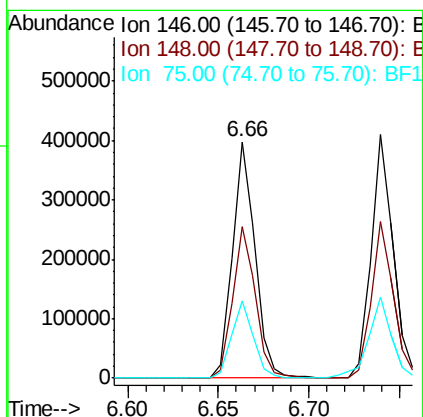
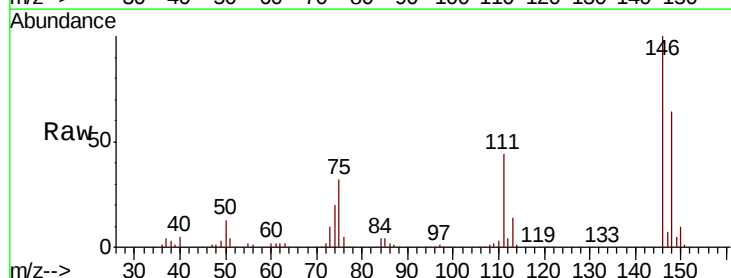
Manual Integrations
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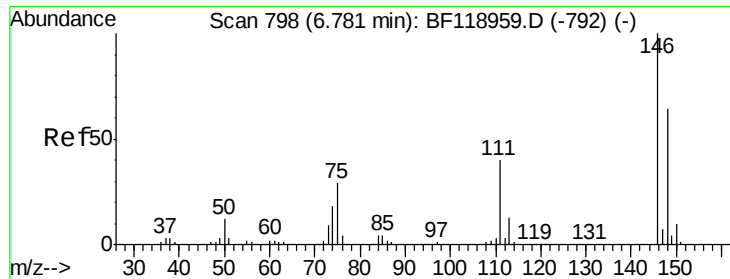
mohammad
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#12
1,3-Dichlorobenzene
Concen: 46.700 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	32.4	23.6	35.4





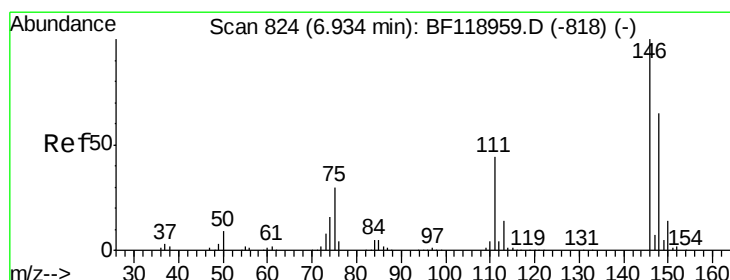
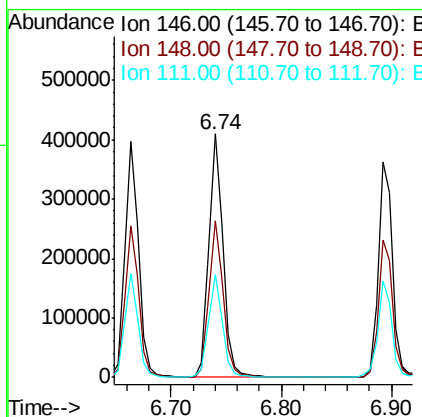
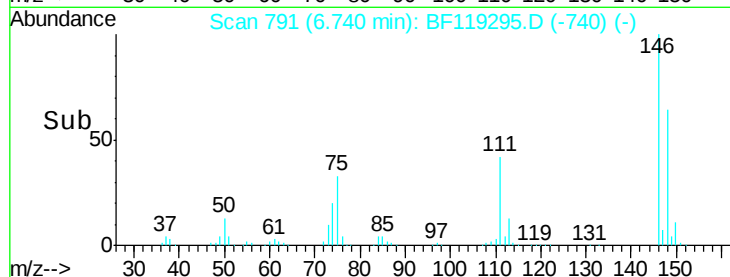
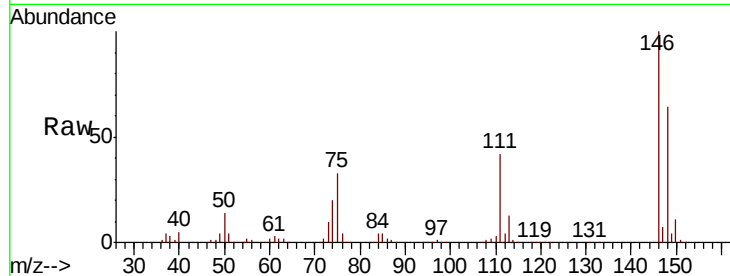
#13
 1,4-Dichlorobenzene
 Concen: 47.754 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	42.3	34.8	52.2

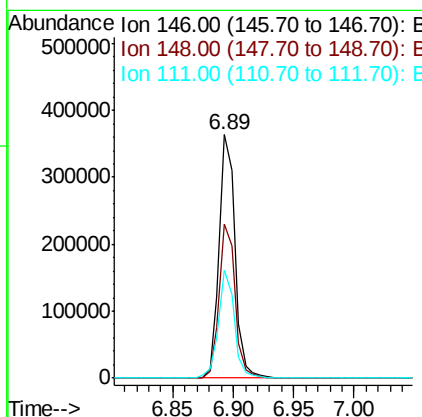
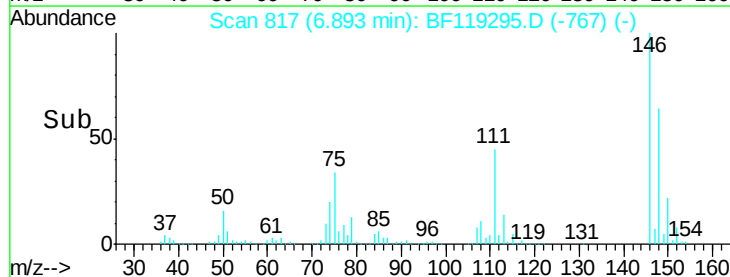
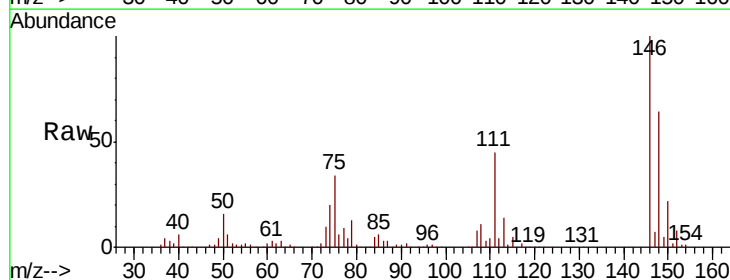
Manual Integrations
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#14
 1,2-Dichlorobenzene
 Concen: 48.619 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	44.5	36.2	54.2





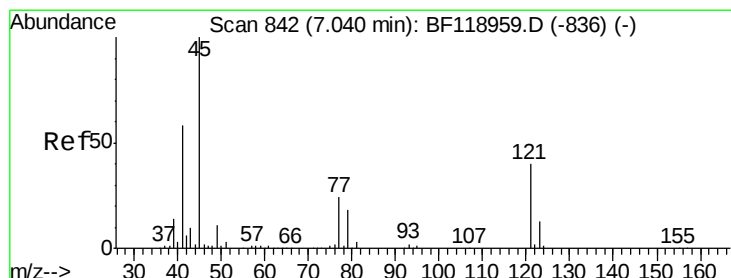
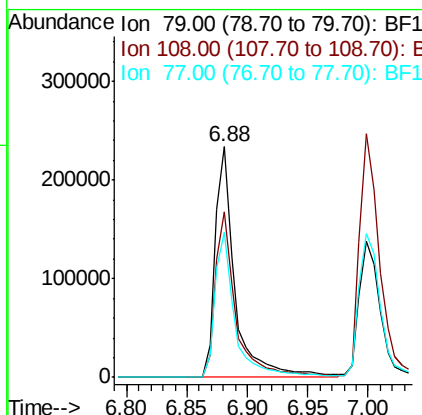
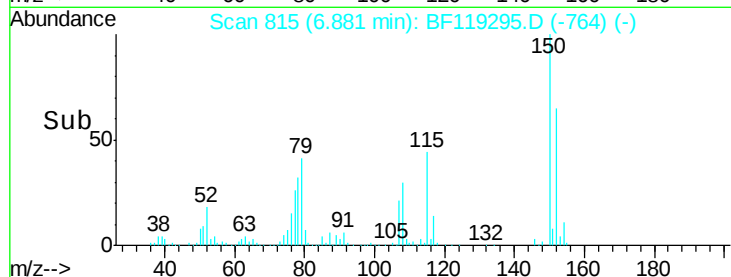
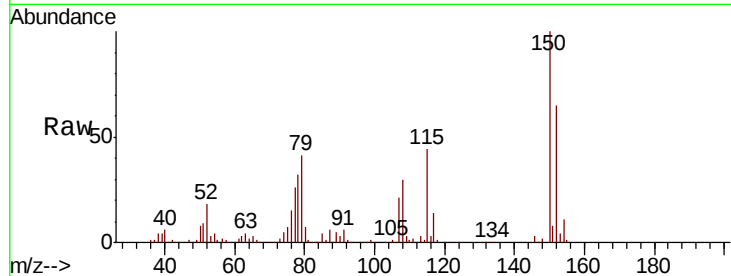
#15
Benzyl Alcohol
Concen: 52.385 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.7	58.2	87.2
77	63.1	51.2	76.8

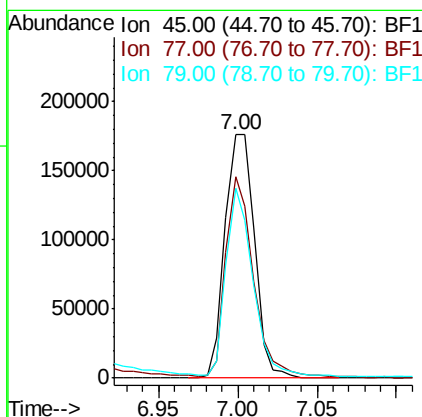
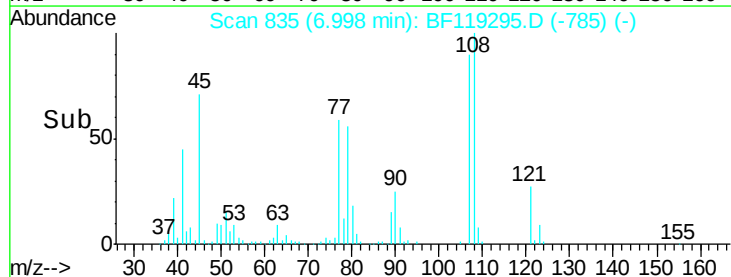
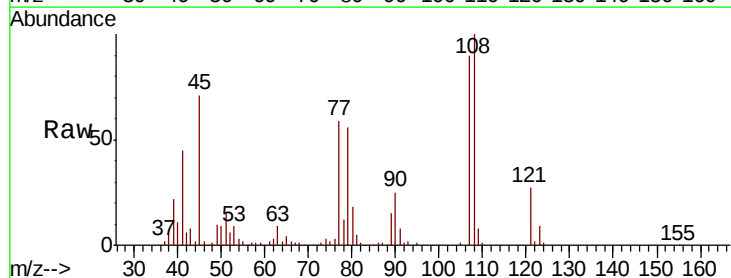
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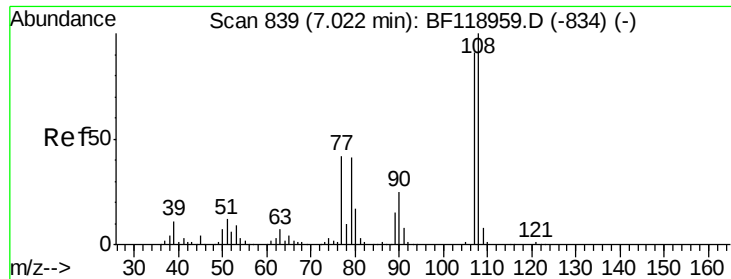
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.828 ng
RT: 7.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
45	100		
77	82.6	15.0	55.0#
79	78.2	9.4	49.4#





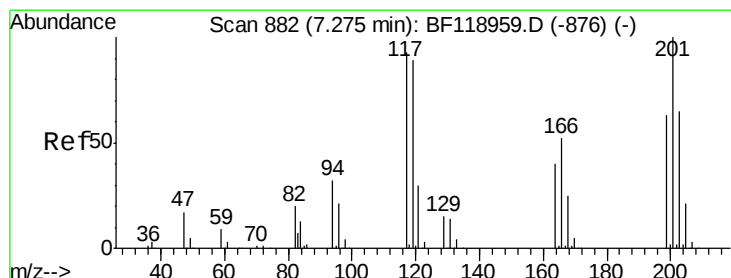
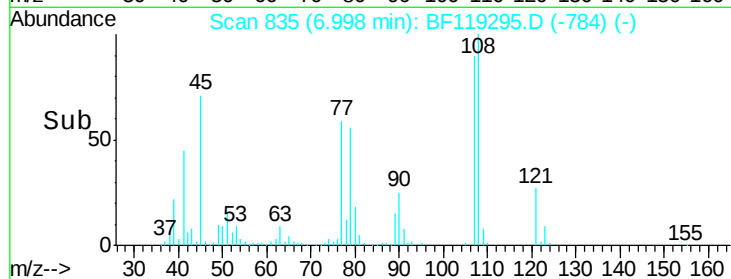
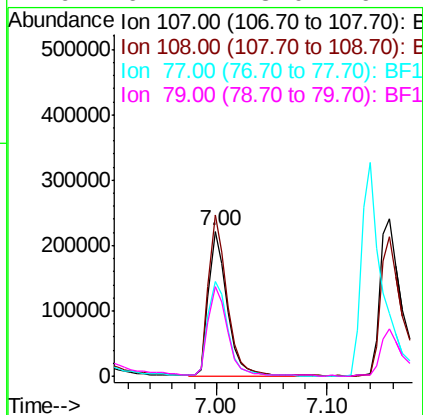
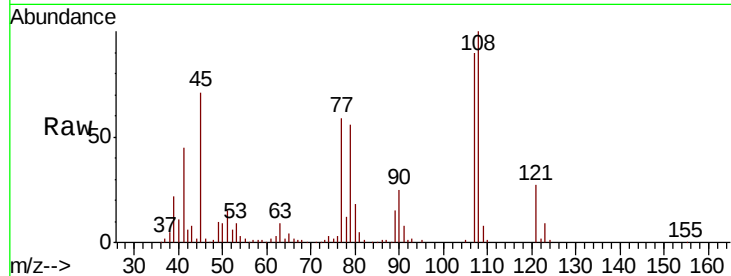
#17
2-Methylphenol
Concen: 50.737 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.4	87.9	131.9	
77	65.7	45.3	67.9	
79	62.1	43.0	64.4	

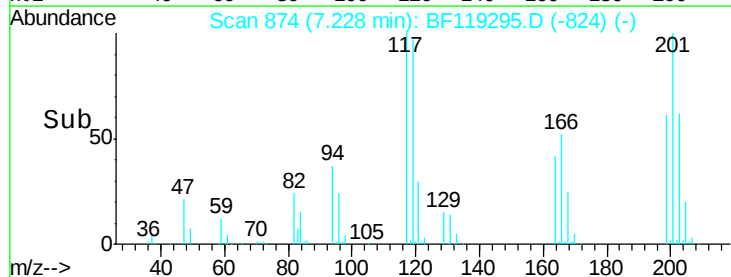
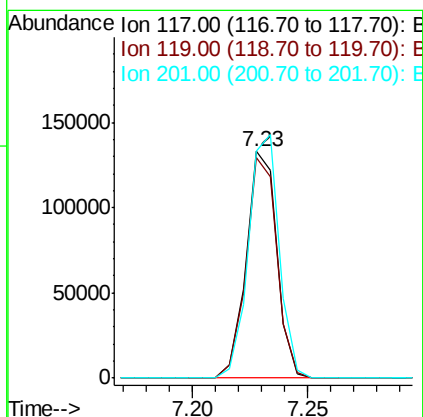
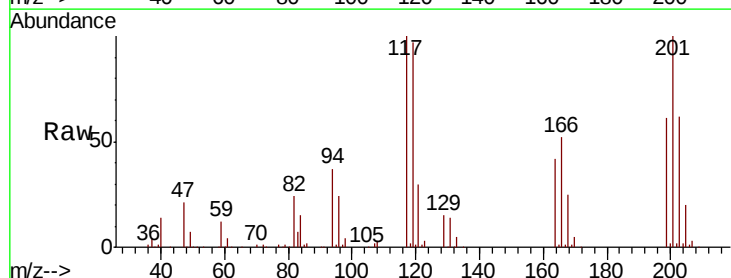
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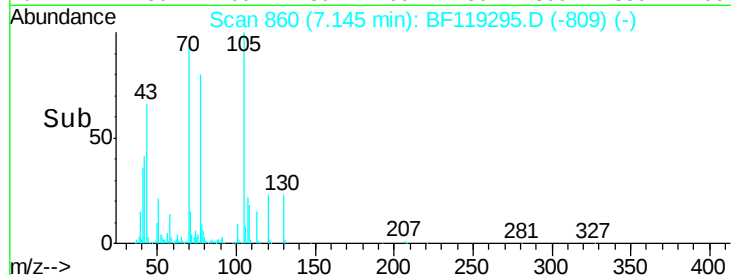
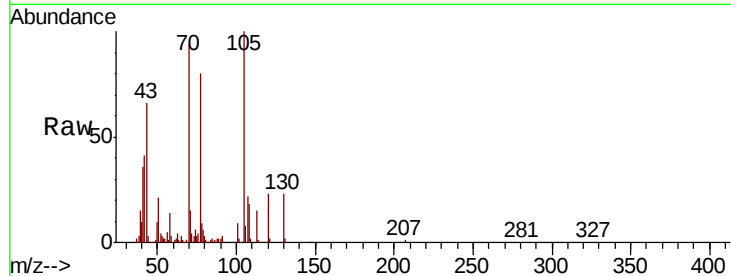
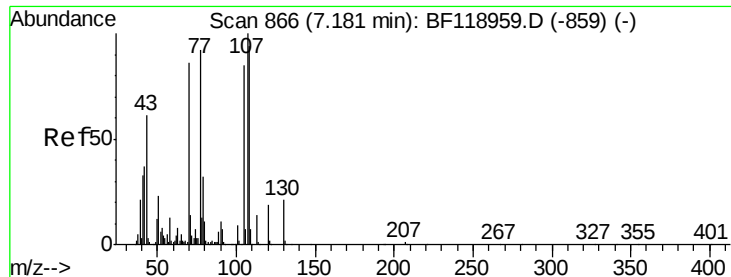
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#18
Hexachloroethane
Concen: 46.721 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2	77.5	116.3	
201	100.2	82.6	123.8	





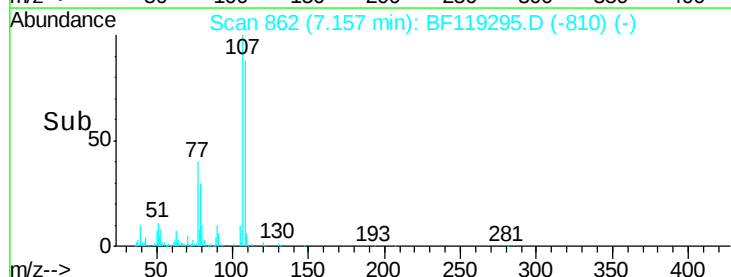
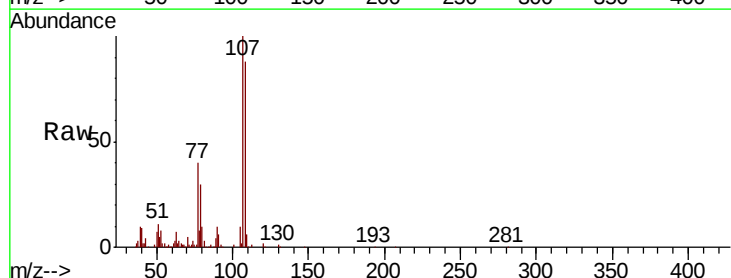
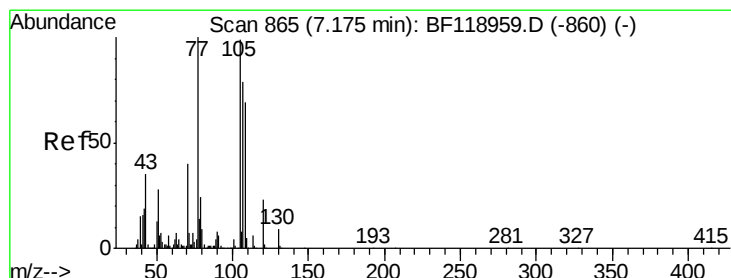
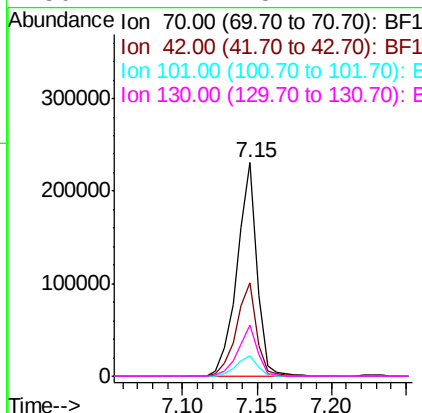
#19
n-Nitroso-di-n-propylamine
Concen: 53.409 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	43.8	38.0	57.0	
101	9.8	8.2	12.4	
130	24.2	18.2	27.4	

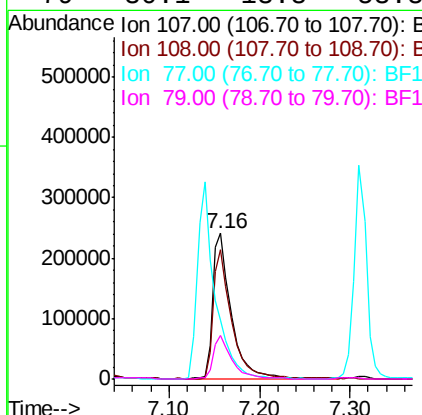
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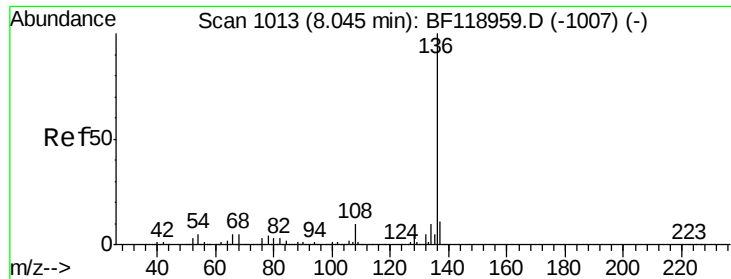
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#20
3+4-Methylphenols
Concen: 55.361 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.3	71.5	111.5	
77	40.0	45.9	85.9	
79	30.1	13.8	53.8	





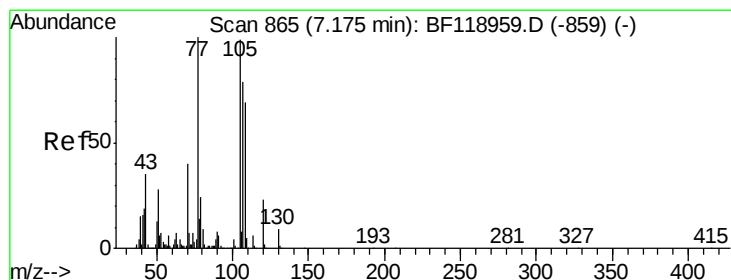
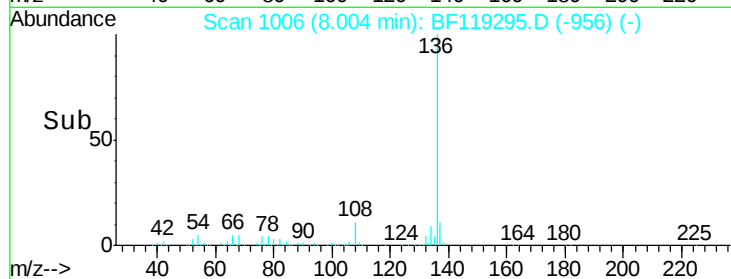
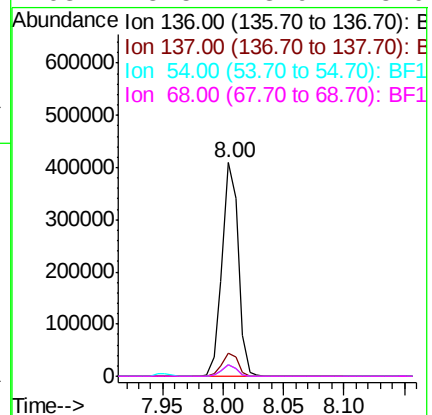
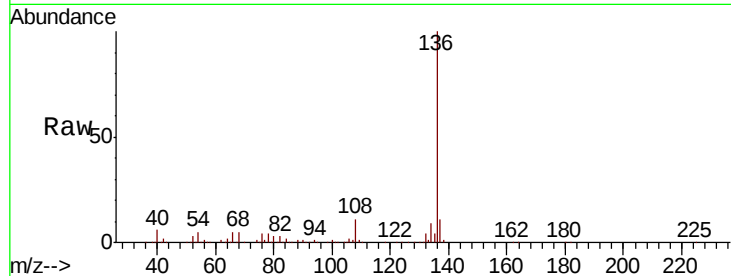
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		375405		
137	11.0	8.8	13.2		
54	5.4	3.8	5.6		
68	5.5	3.9	5.9		

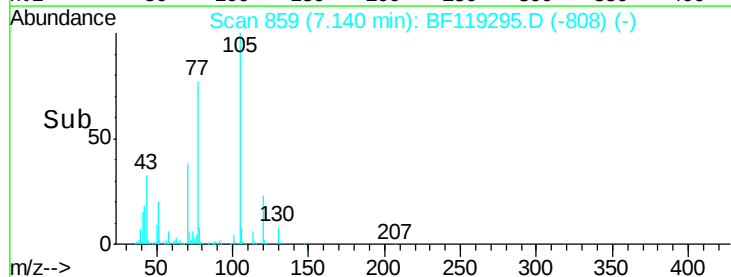
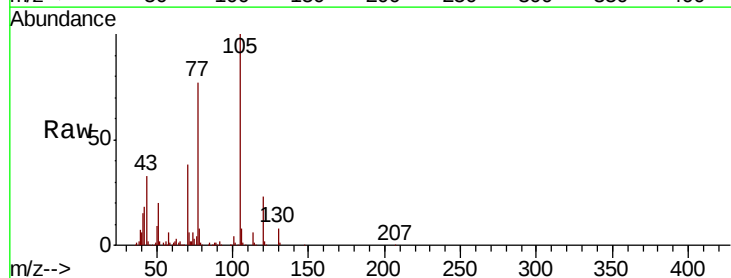
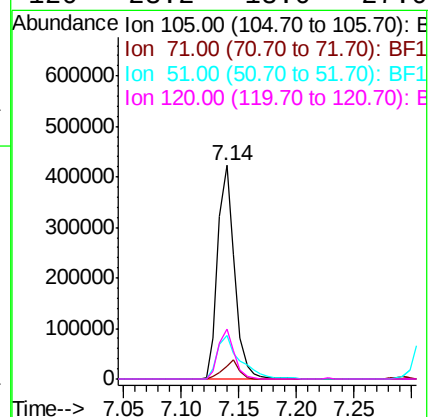
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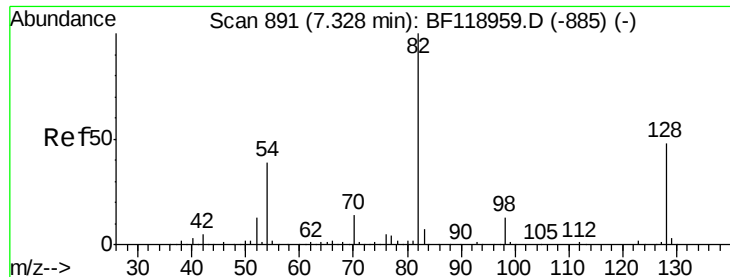
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#22
Acetophenone
Concen: 49.181 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		427181		
71	6.2	3.0	4.4#		
51	20.2	20.1	30.1		
120	23.2	18.0	27.0		





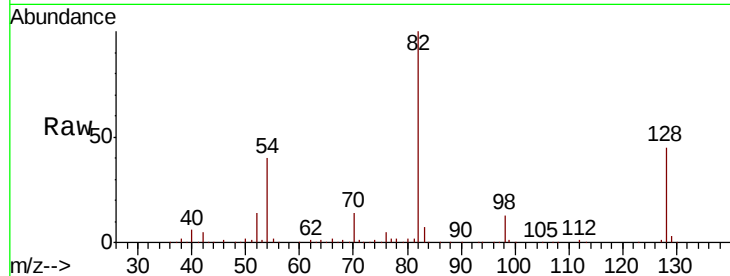
#23
Nitrobenzene-d5
Concen: 77.878 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

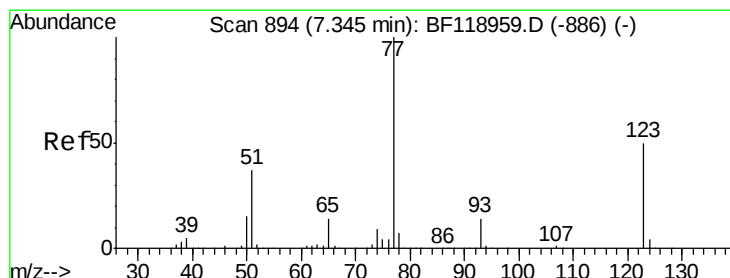
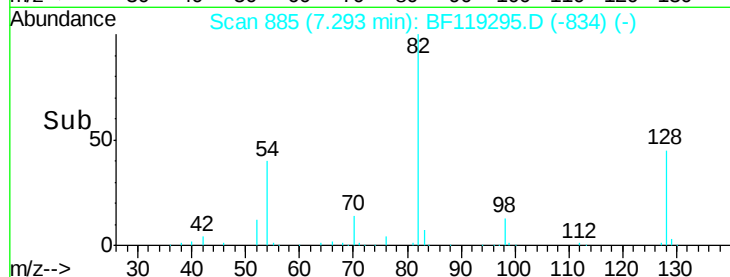
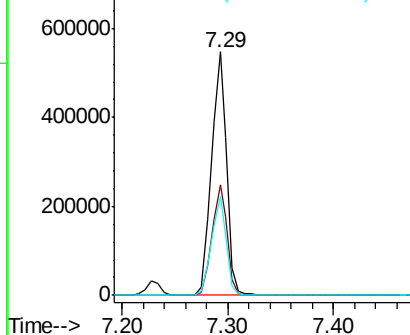
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.9	56.9
54	40.4	33.4	50.2

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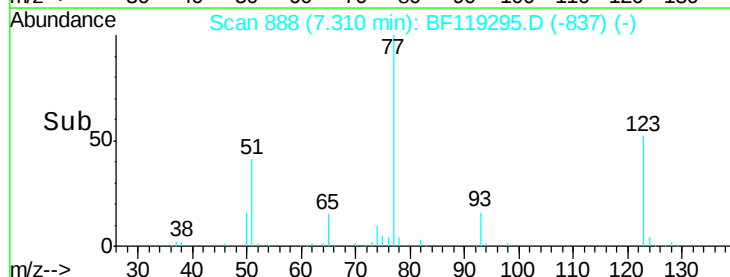
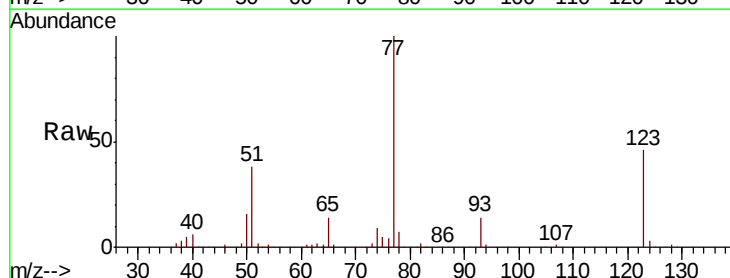
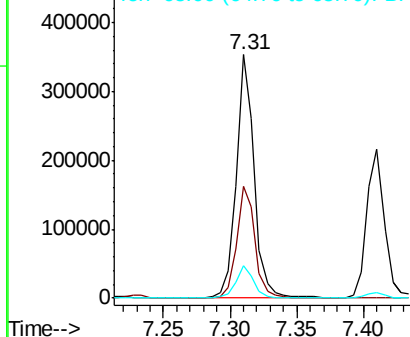
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 46.942 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.0	40.2	60.2
65	13.5	10.8	16.2

Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





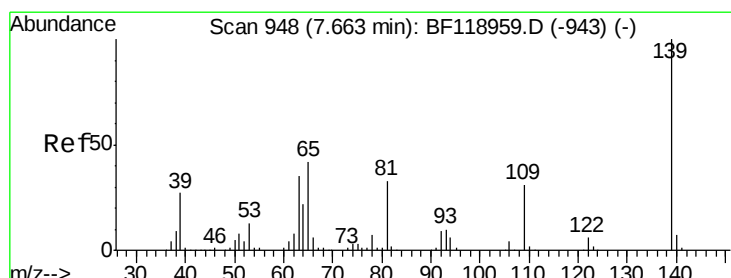
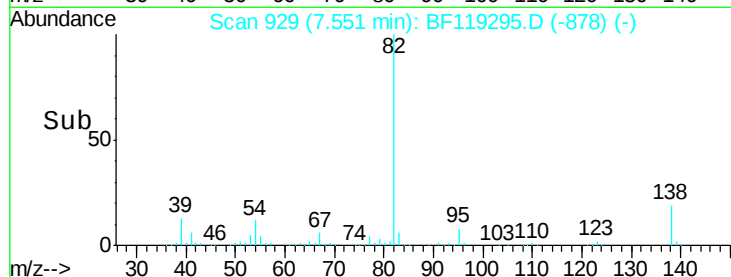
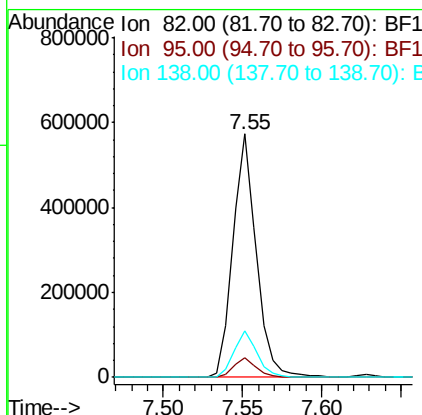
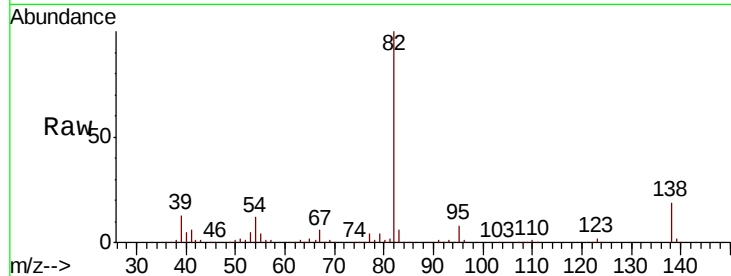
#25
Isophorone
Concen: 47.559 ng
RT: 7.55 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	82	Resp	587248
Ion Ratio	100	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	19.3	15.7	23.5

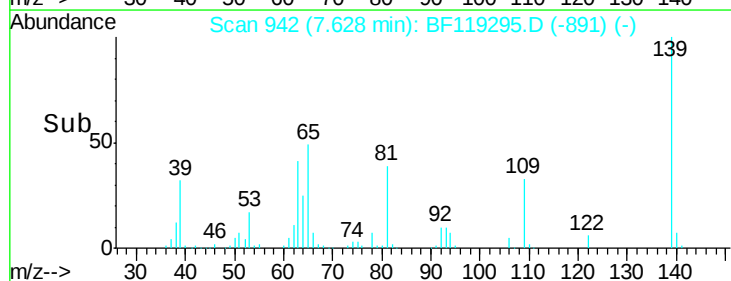
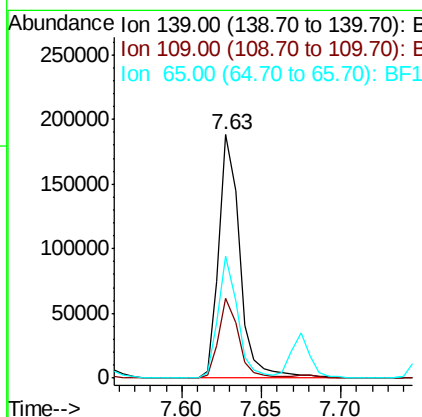
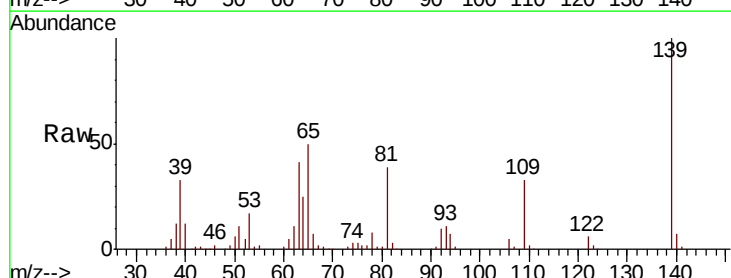
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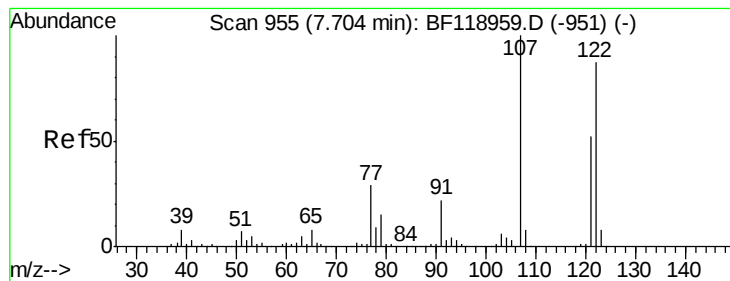
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#26
2-Nitrophenol
Concen: 46.835 ng
RT: 7.63 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	139	Resp	174476
Ion Ratio	100	Lower	Upper
139	100		
109	32.9	25.7	38.5
65	50.4	37.1	55.7





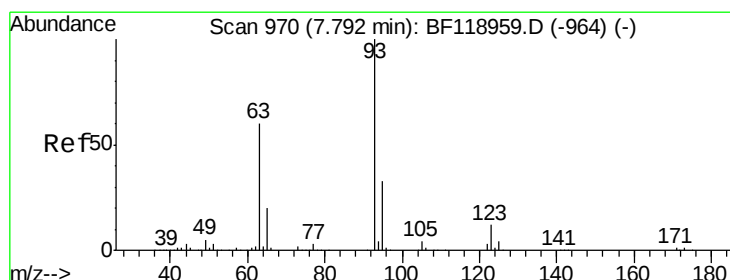
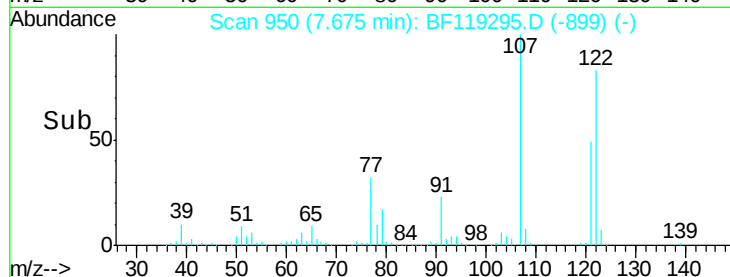
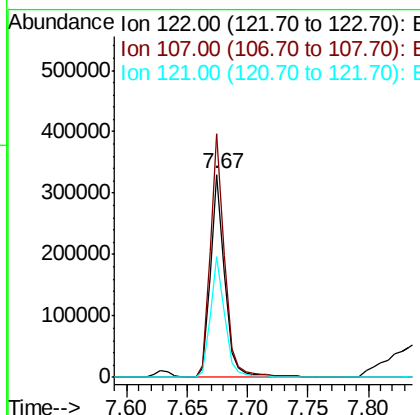
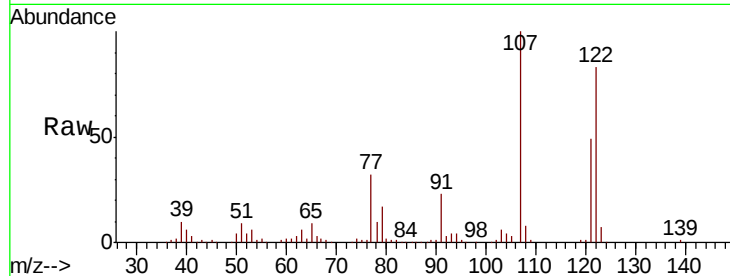
#27
2,4-Dimethylphenol
Concen: 53.250 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	269233		
107	120.0	93.8	140.6	
121	59.2	48.2	72.2	

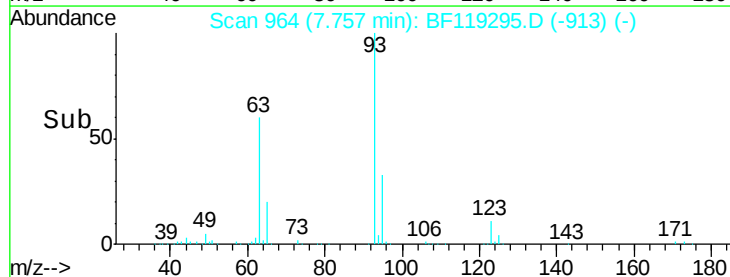
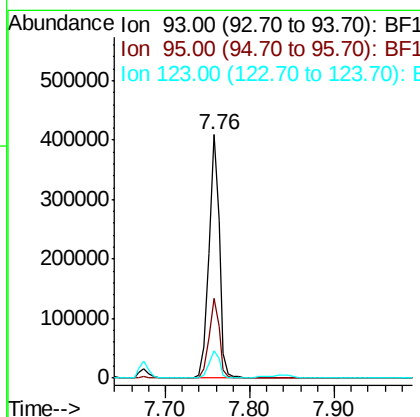
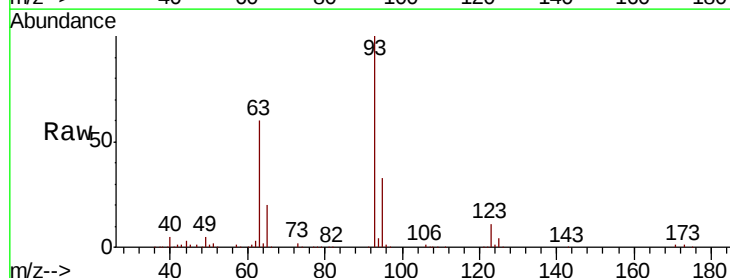
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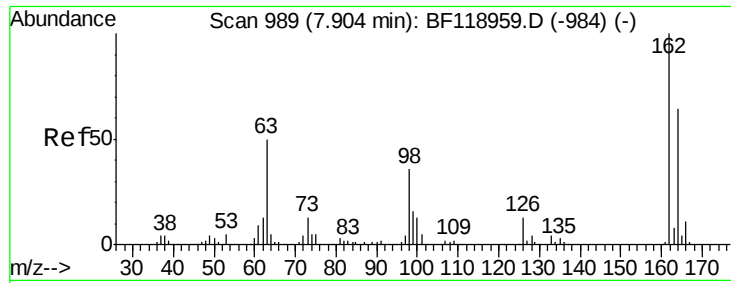
mohammad
3/10/2020 2:44:28 PM



#28
bis(2-Chloroethoxy)methane
Concen: 44.424 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	357045		
95	33.0	26.5	39.7	
123	11.5	10.2	15.2	





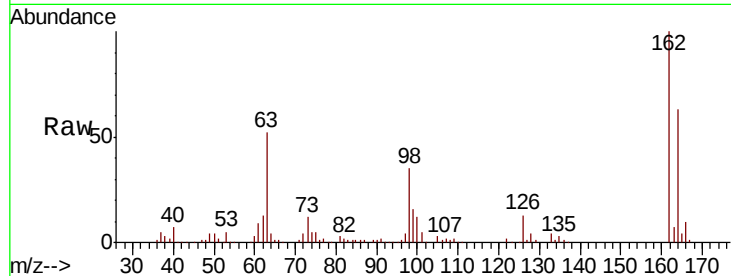
#29
2,4-Dichlorophenol
Concen: 46.912 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	279228		
164	63.2	45.2	85.2	
98	35.4	17.4	57.4	

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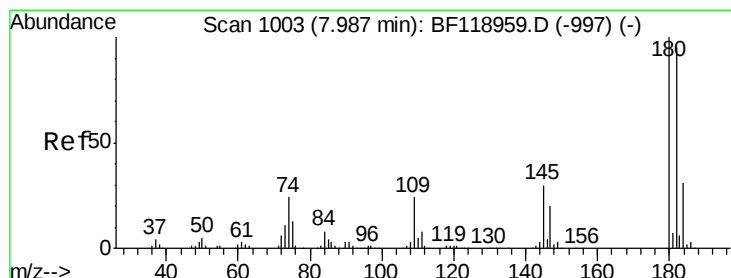
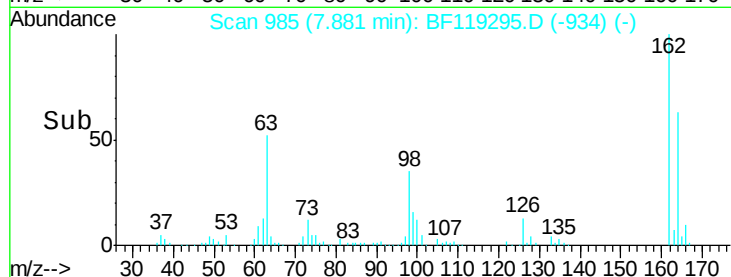
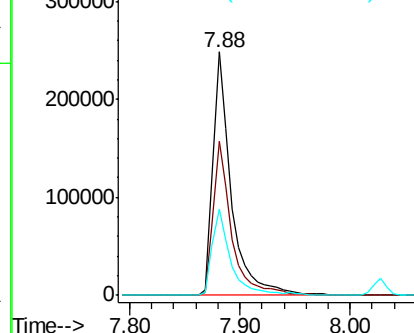


Abundance

Ion 162.00 (161.70 to 162.70): E

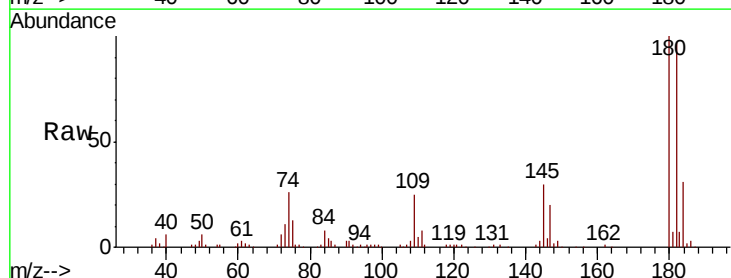
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 42.958 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	303154		
182	97.3	77.8	116.6	
145	30.2	25.2	37.8	

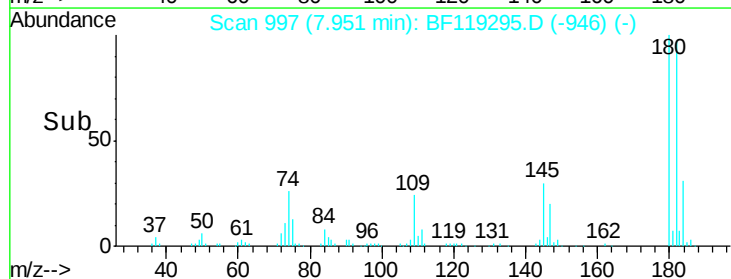
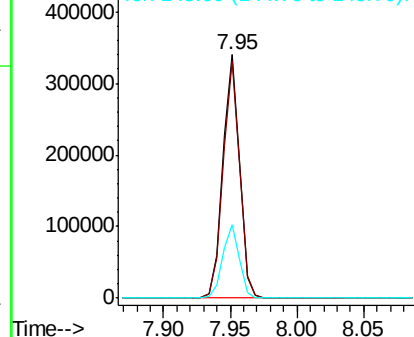


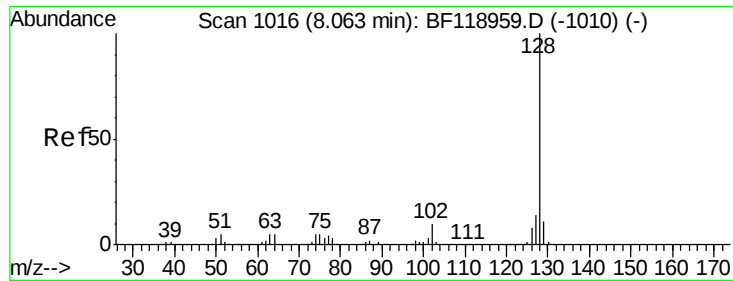
Abundance

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





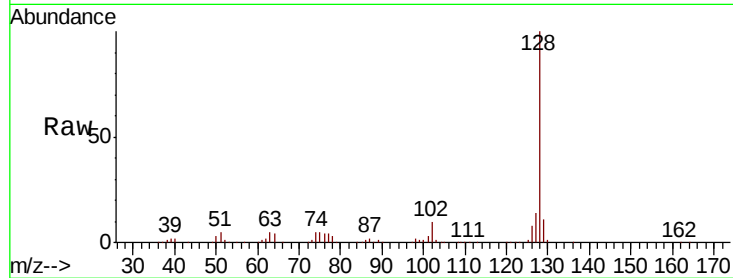
#31
Naphthalene
Concen: 46.496 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

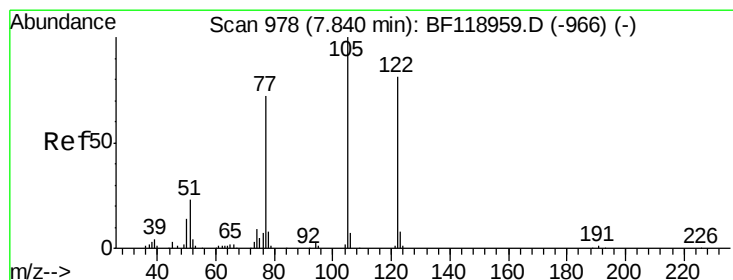
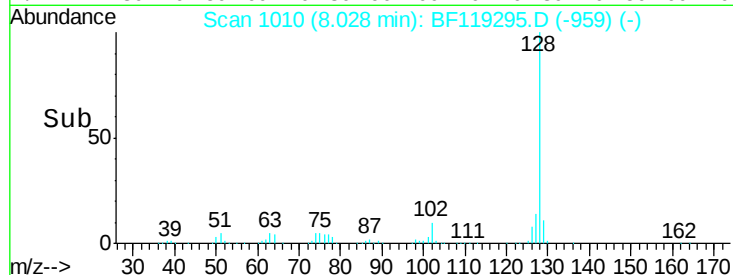
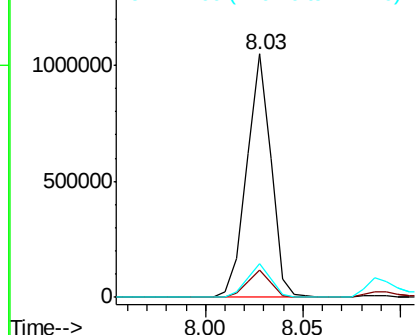
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.8	11.4	17.2

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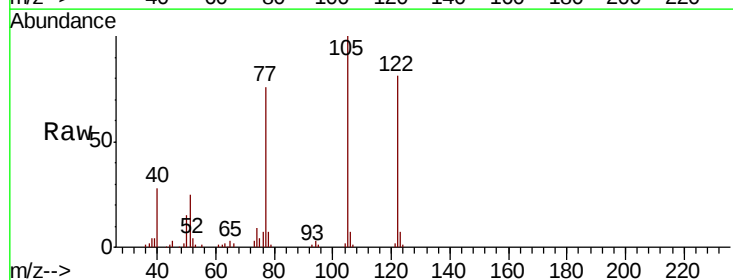


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

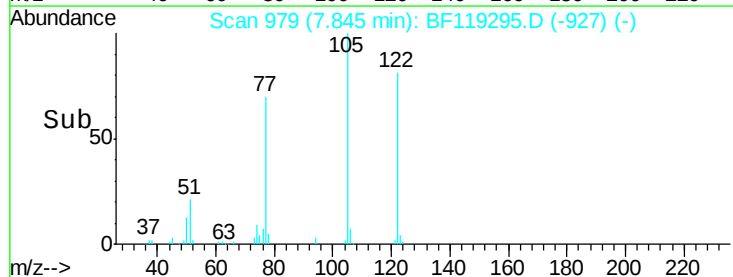
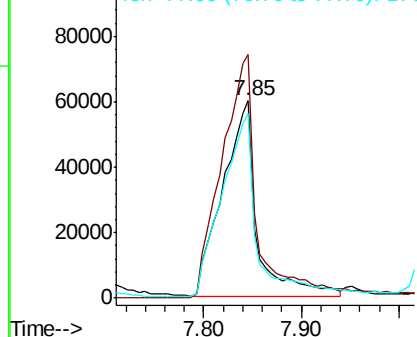


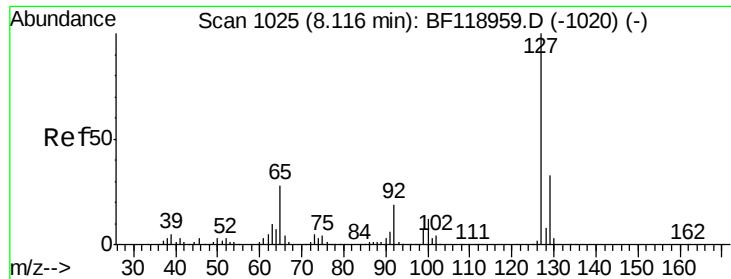
#32
Benzoic acid
Concen: 40.410 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.4	106.3	146.3
77	93.7	73.1	113.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





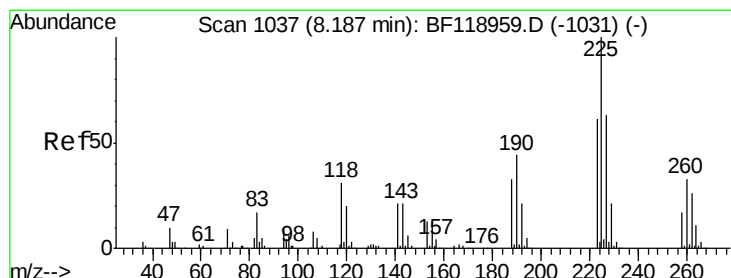
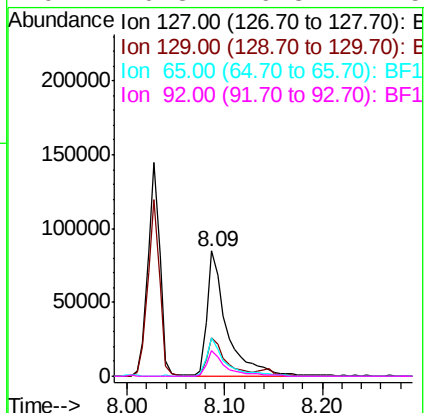
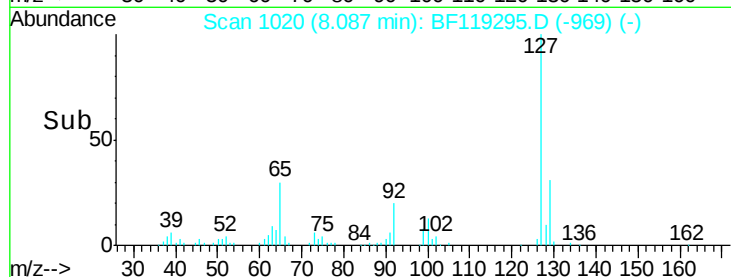
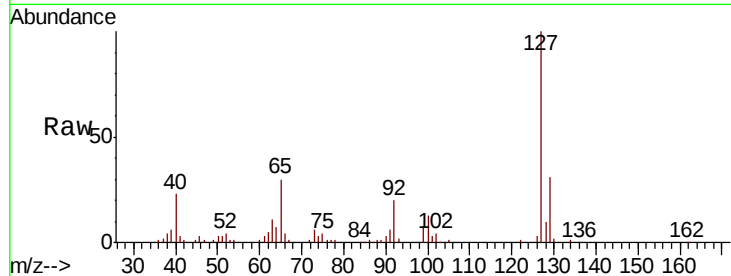
#33
4-Chloroaniline
Concen: 14.060 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		117732		
129	30.7	25.9	38.9		
65	30.4	23.9	35.9		
92	20.3	16.3	24.5		

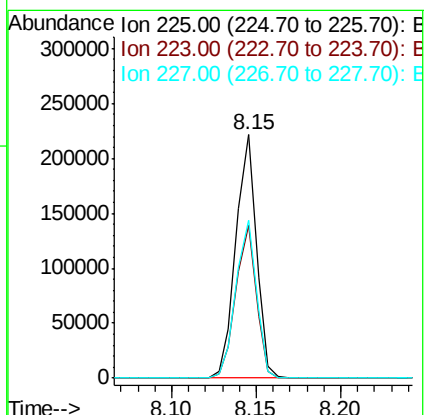
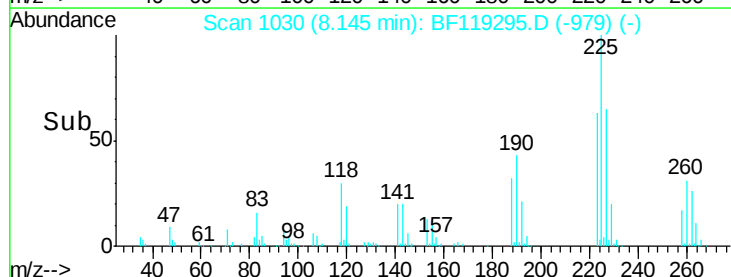
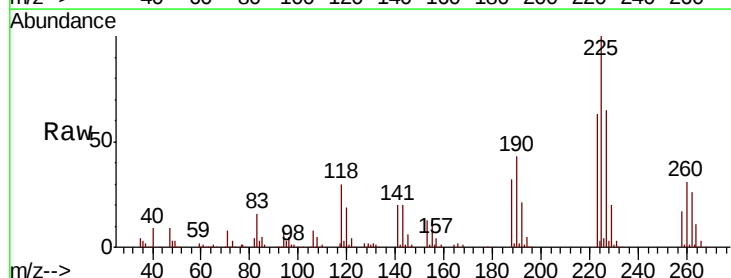
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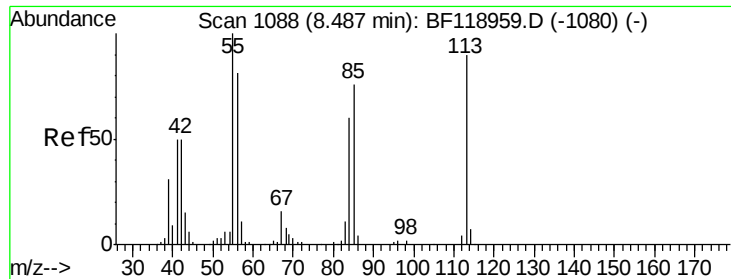
mohammad
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#34
Hexachlorobutadiene
Concen: 42.712 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		187756		
223	62.6	49.4	74.2		
227	64.9	52.9	79.3		





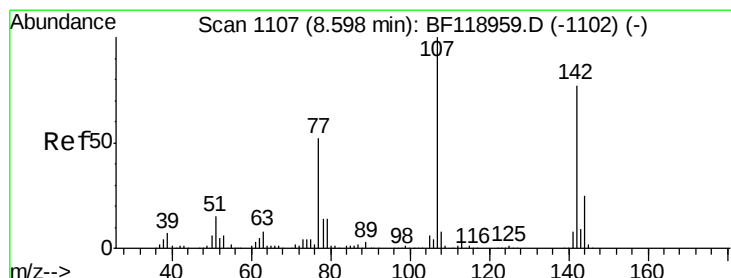
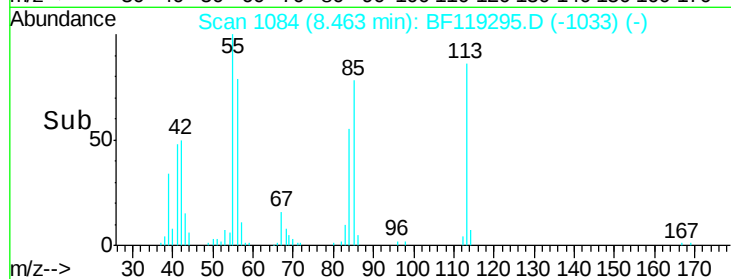
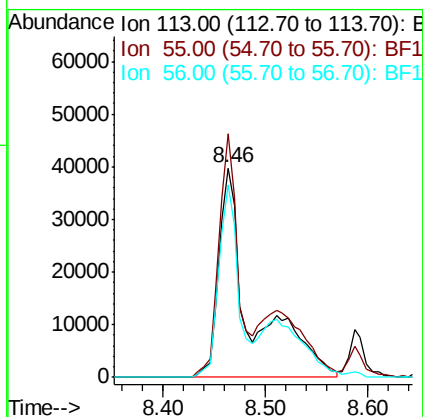
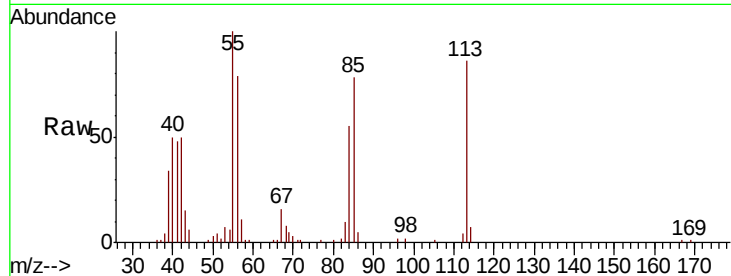
#35
 Caprolactam
 Concen: 47.555 ng/ml
 RT: 8.46 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	116.2	95.7	135.7
56	91.5	73.1	113.1

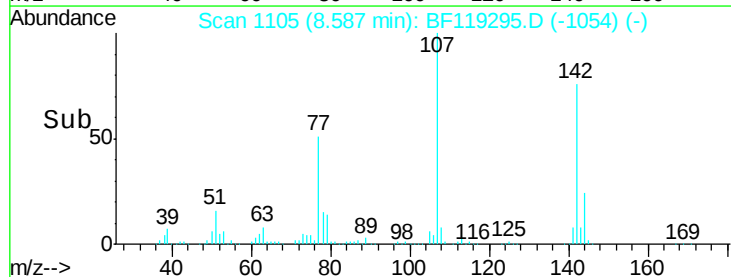
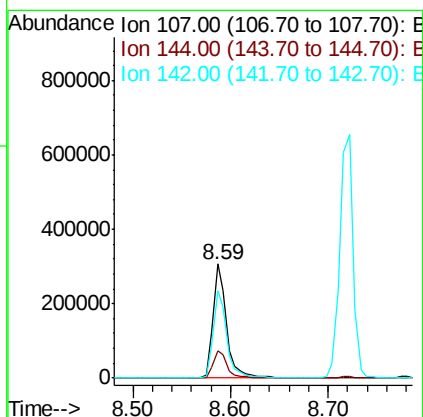
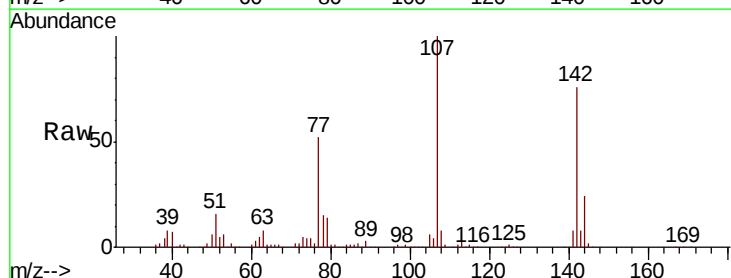
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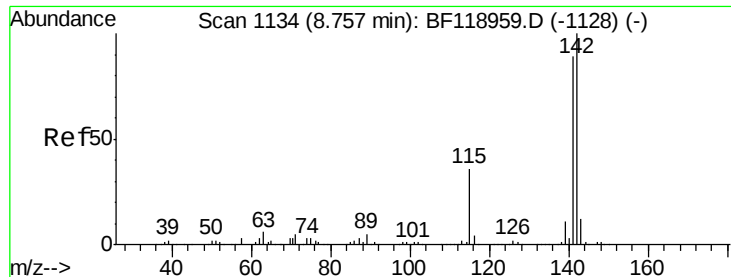
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#36
 4-Chloro-3-methylphenol
 Concen: 49.233 ng/ml
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.1	30.1
142	76.1	61.4	92.2





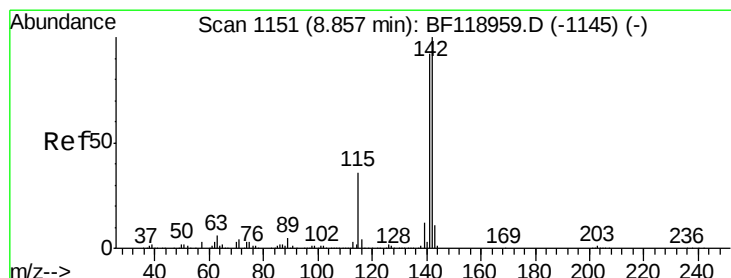
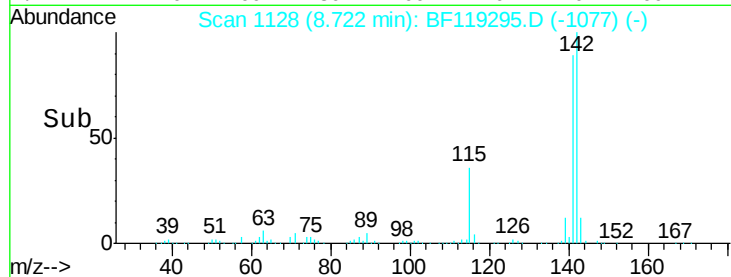
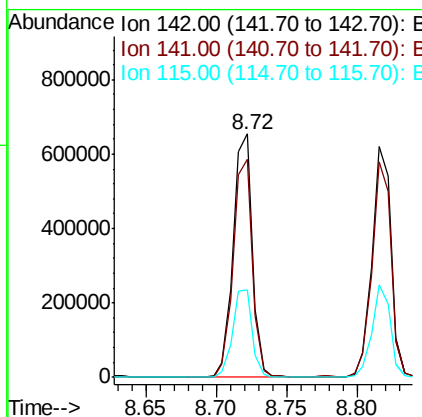
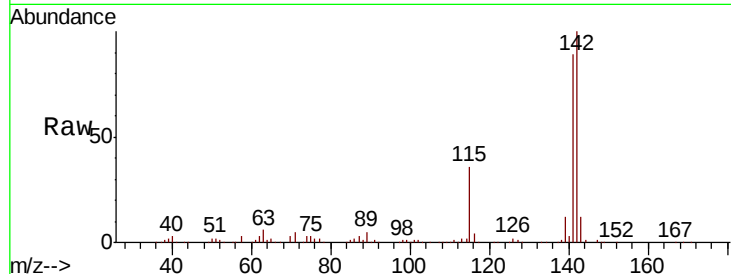
#37
2-Methylnaphthalene
Concen: 47.265 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.3	108.5
115	36.0	30.6	45.8

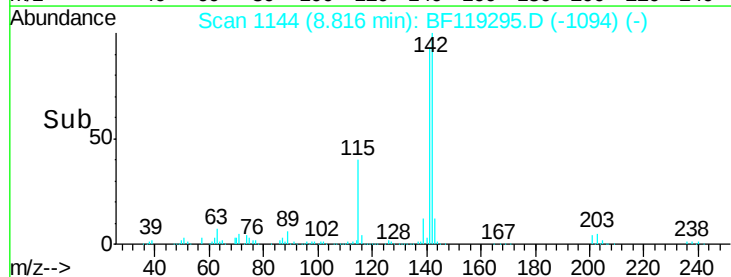
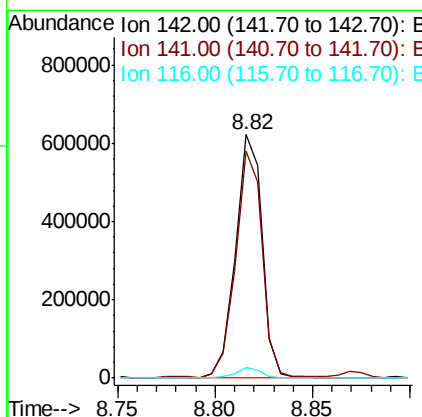
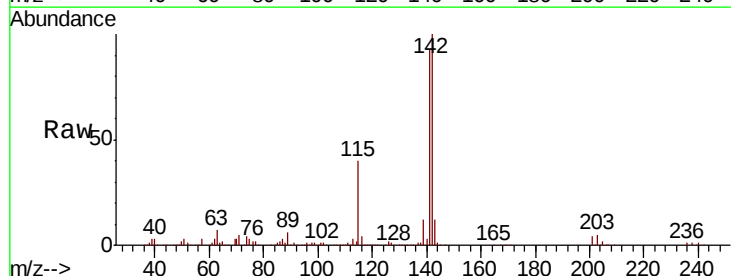
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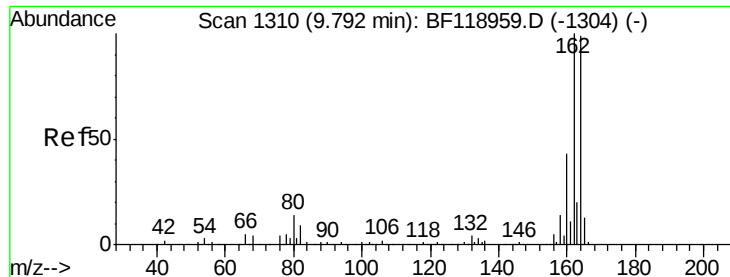
mohammad
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#38
1-Methylnaphthalene
Concen: 47.366 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.8	113.6
116	4.1	3.1	4.7





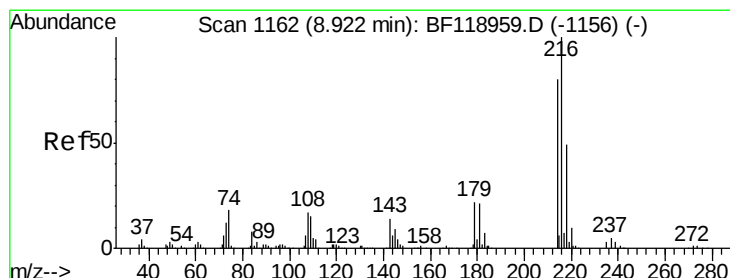
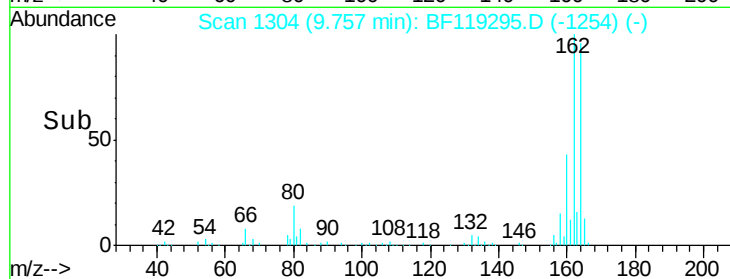
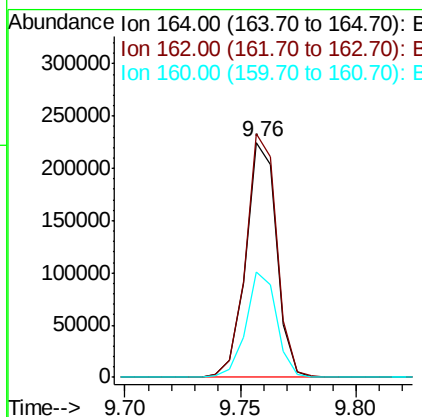
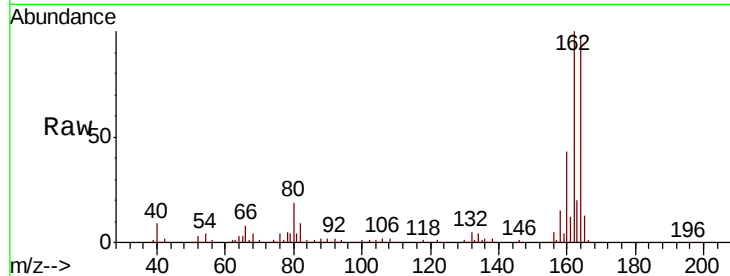
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	81.8	122.8
160	45.0	36.0	54.0

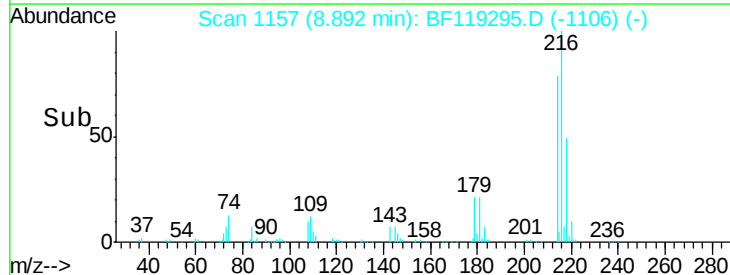
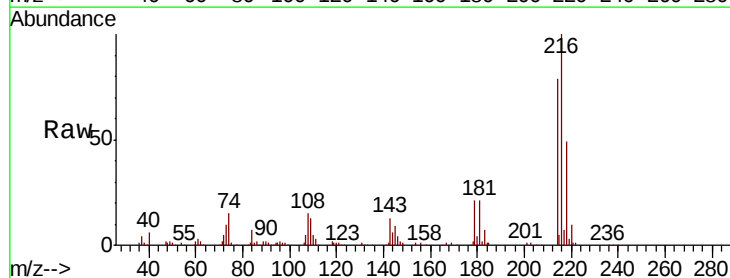
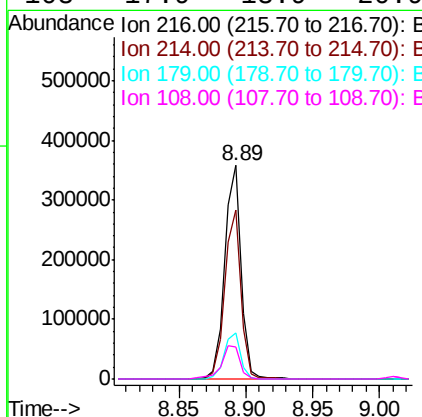
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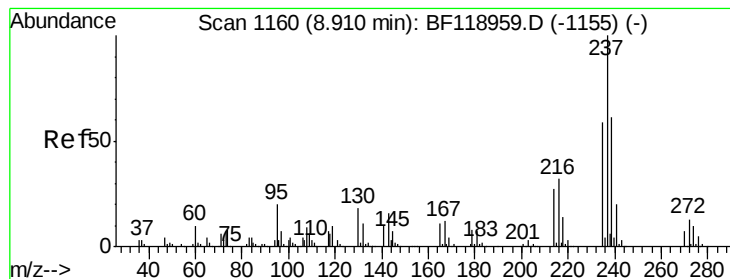
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.943 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.3	94.9
179	21.7	17.7	26.5
108	17.9	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 48.512 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

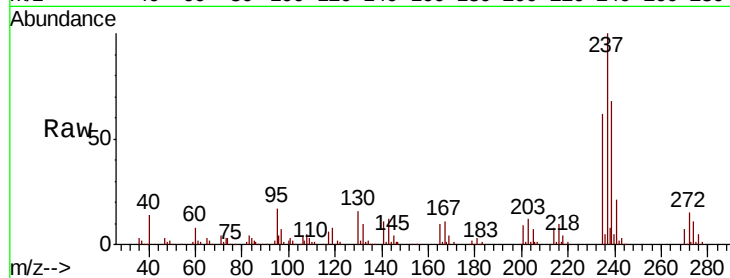
ClientSampleId :

GP-17-030520MSD

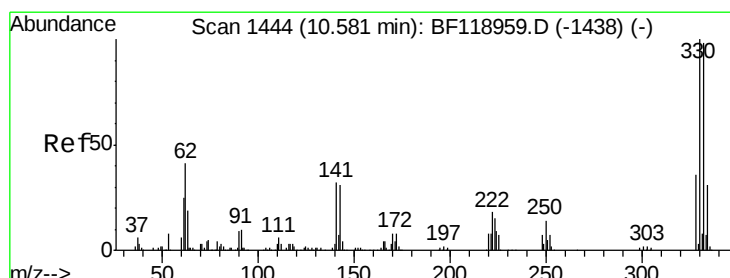
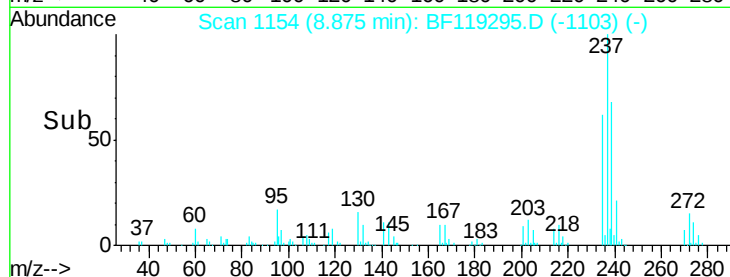
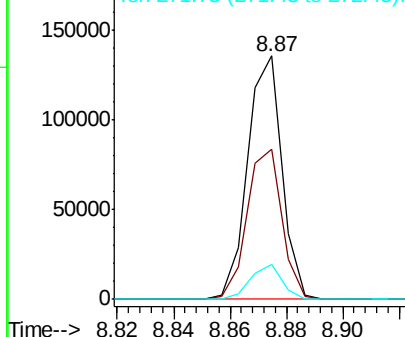
Tot Ion:	237	Resp:	114215
Ion Ratio	Lower	Upper	
237	100		
235	61.6	42.3	82.3
272	14.6	0.0	33.5

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



#42

2,4,6-Tribromophenol

Concen: 115.478 ng

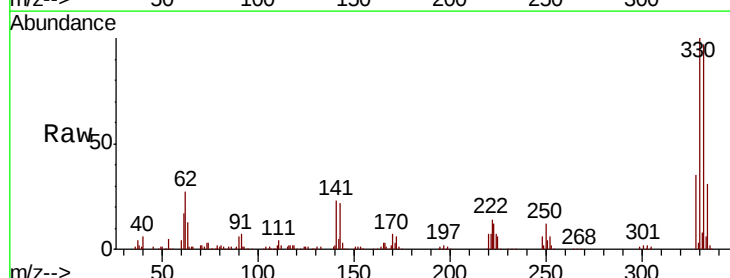
RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

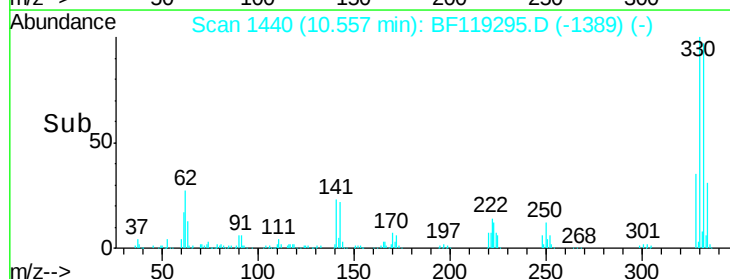
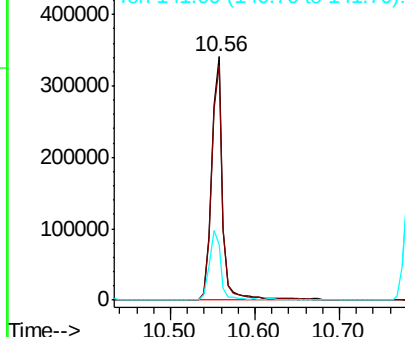
Lab File: BF119295.D

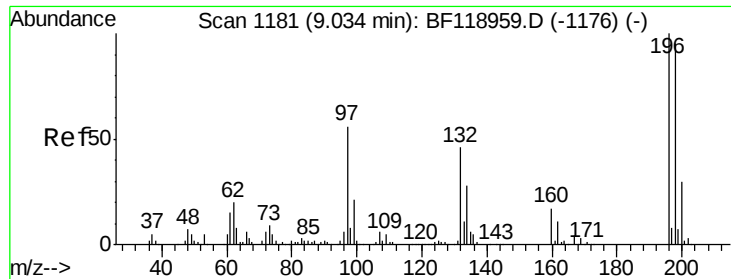
Acq: 9 Mar 2020 20:59

Tgt Ion:	330	Resp:	317194
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.0	114.0
141	29.5	22.9	34.3



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





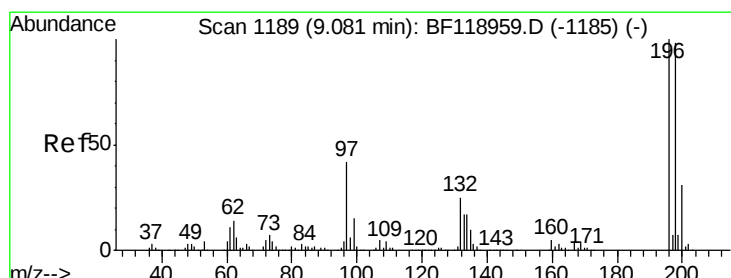
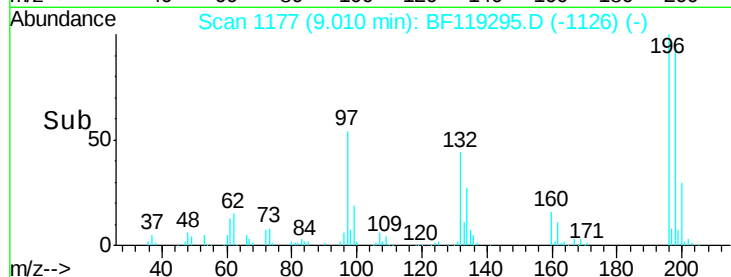
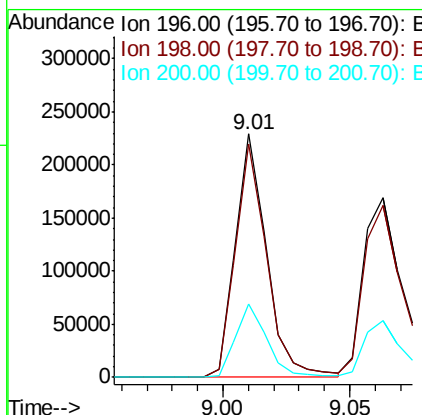
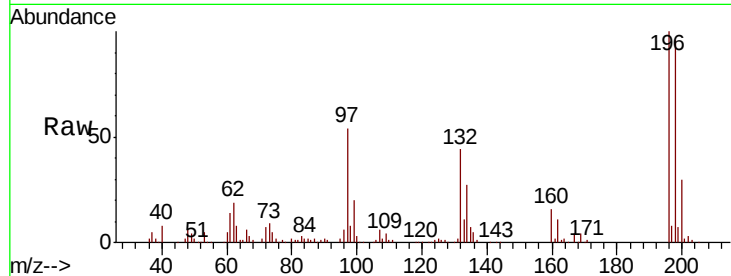
#43
2,4,6-Trichlorophenol
Concen: 43.767 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	195663		
198	95.8	77.1	115.7	
200	30.2	25.0	37.6	

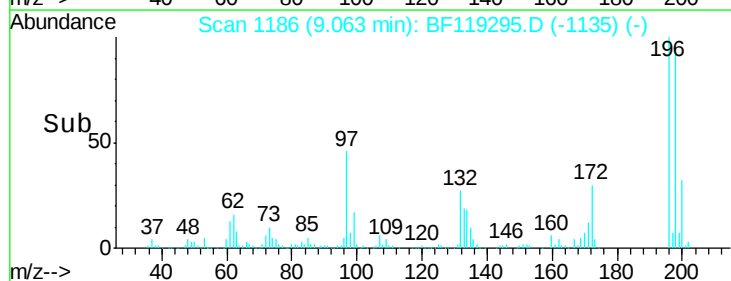
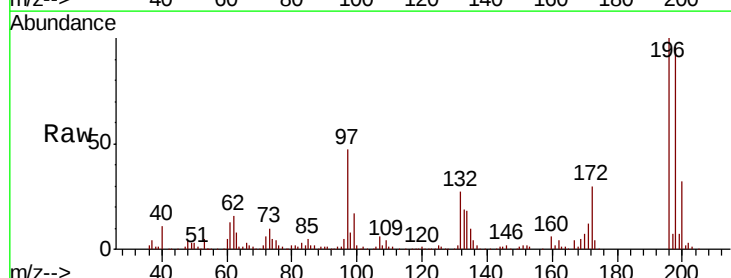
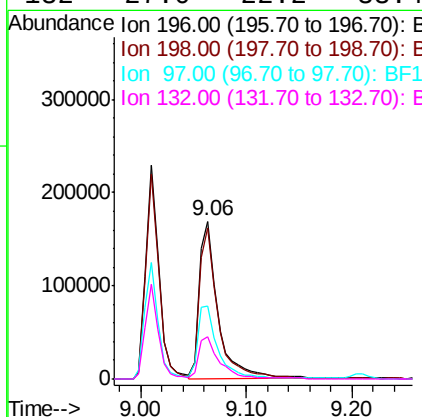
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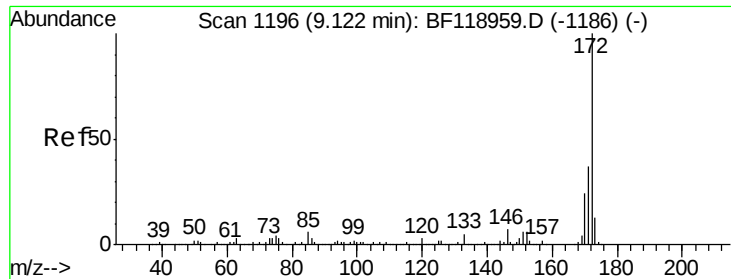
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 43.746 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	205222		
198	95.7	76.8	115.2	
97	46.6	38.5	57.7	
132	27.0	22.2	33.4	





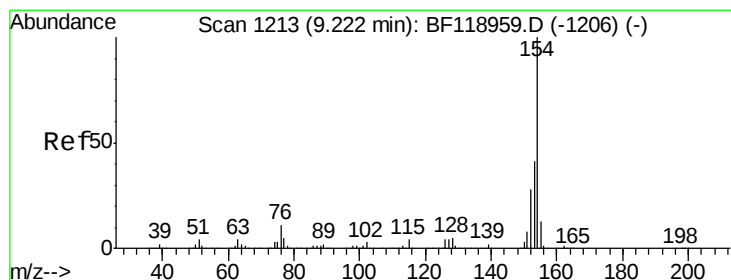
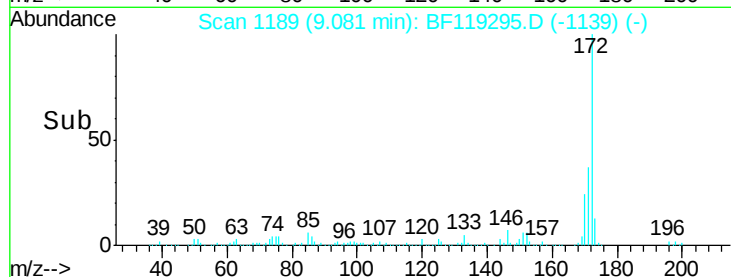
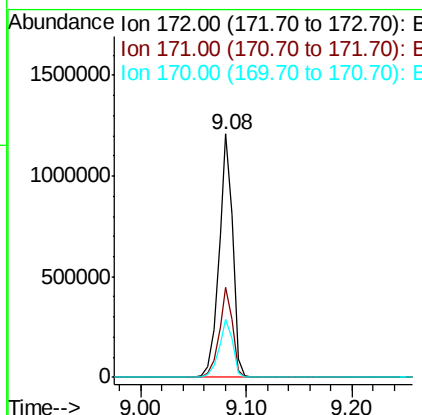
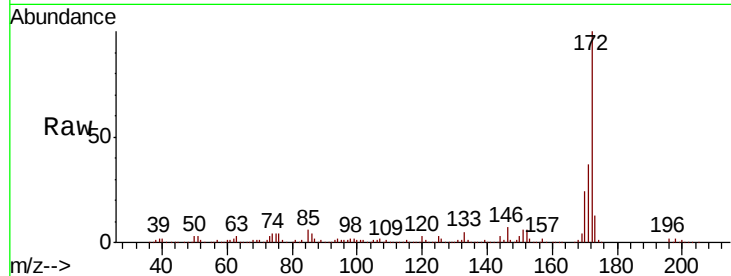
#45
2-Fluorobiphenyl
Concen: 77.333 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	45.8
170	24.0	20.2	30.2

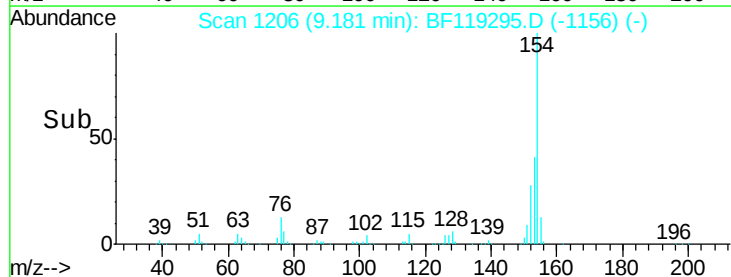
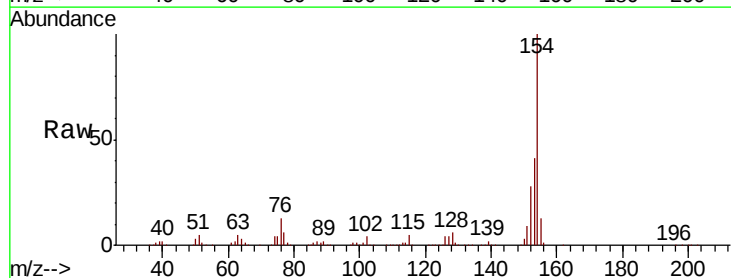
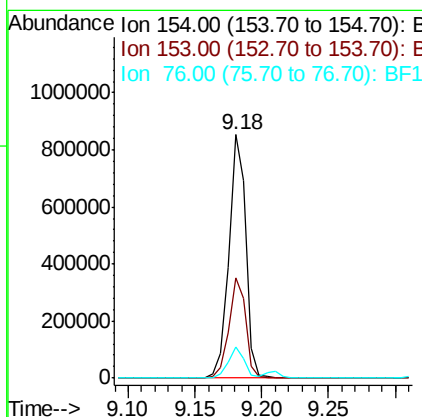
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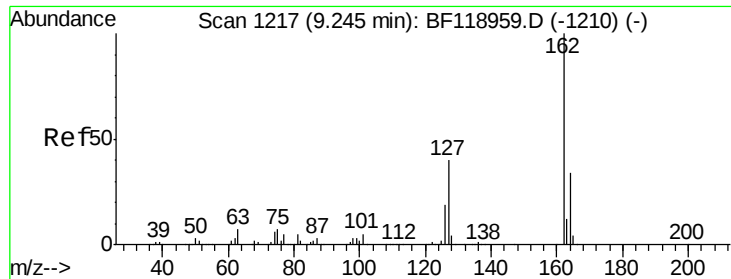
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#46
1,1'-Biphenyl
Concen: 44.987 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.8	62.8
76	12.6	0.0	32.2





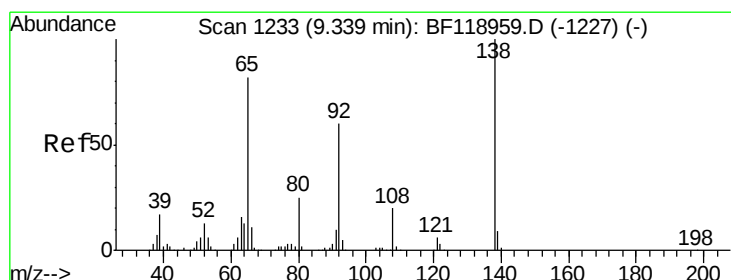
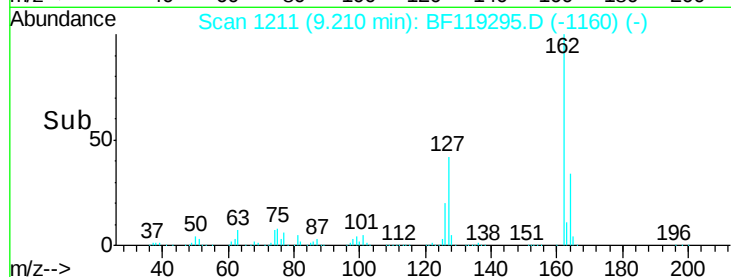
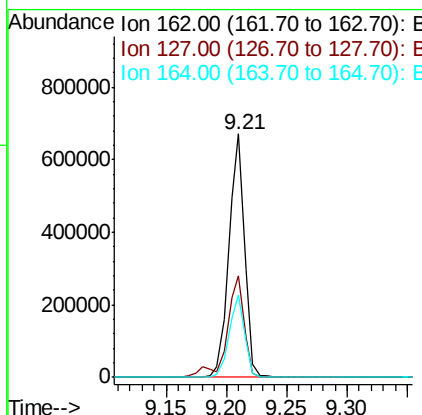
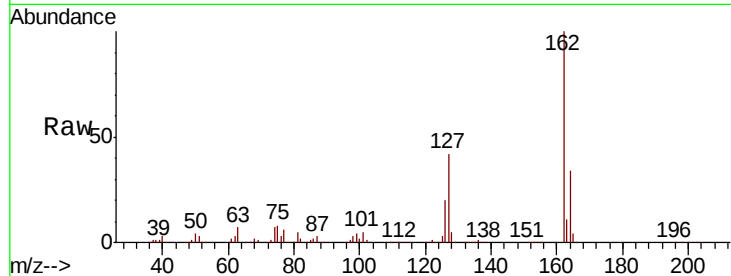
#47
 2-Chloronaphthalene
 Concen: 44.296 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	35.0	52.4
164	33.6	27.2	40.8

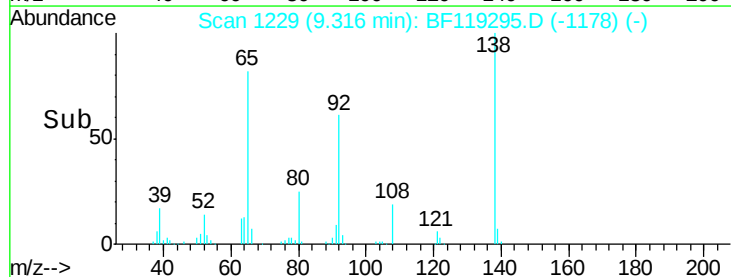
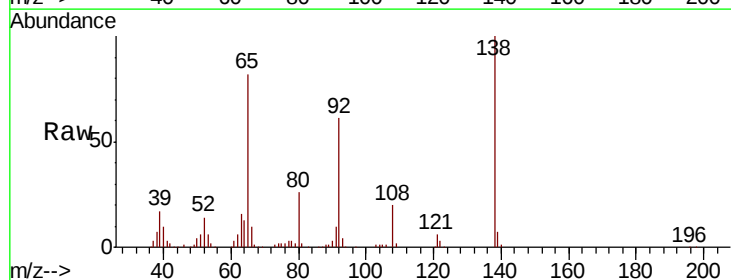
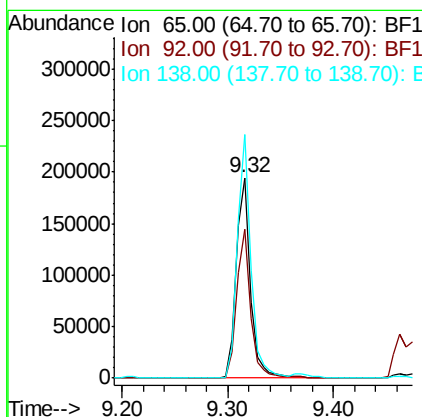
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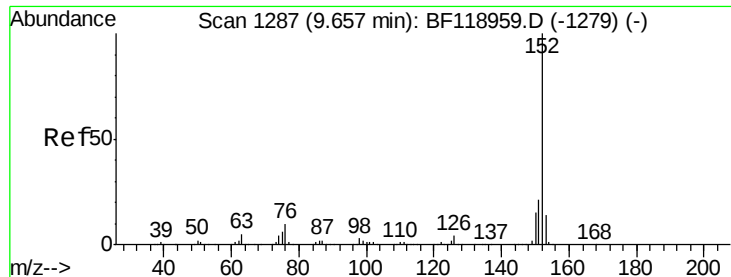
mohammad
 3/10/2020 2:44:28 PM



#48
 2-Nitroaniline
 Concen: 46.898 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.3	58.2	87.2
138	121.7	95.6	143.4





#49

Acenaphthylene

Concen: 47.057 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

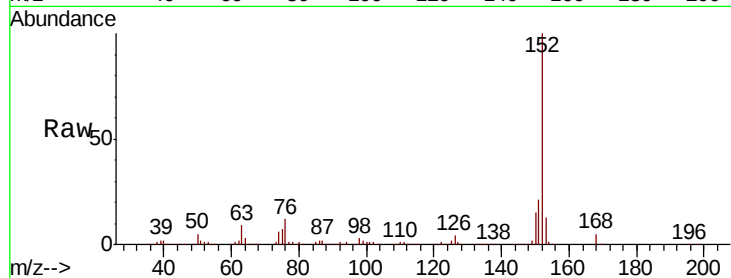
ClientSampleId :

GP-17-030520MSD

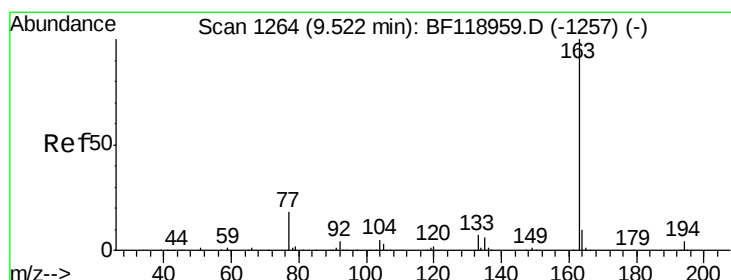
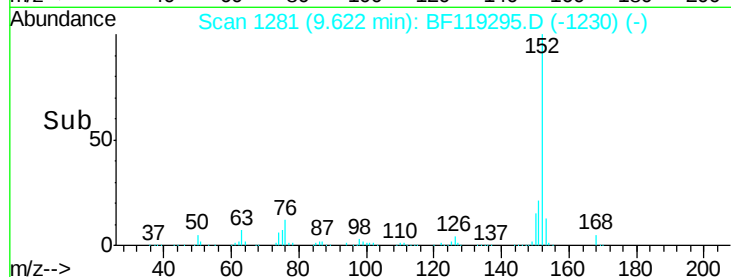
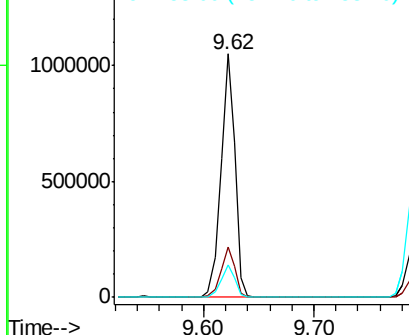
Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		929438		
151	20.9	16.9	25.3		
153	13.4	11.0	16.6		

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



#50

Dimethylphthalate

Concen: 51.058 ng

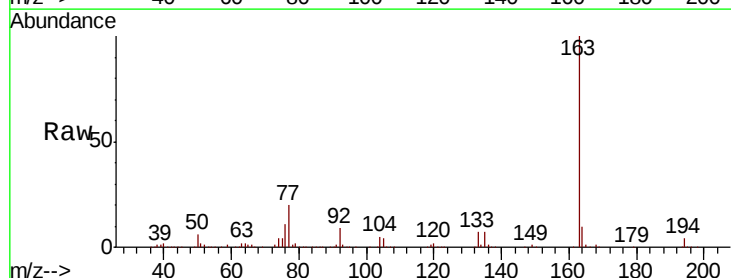
RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

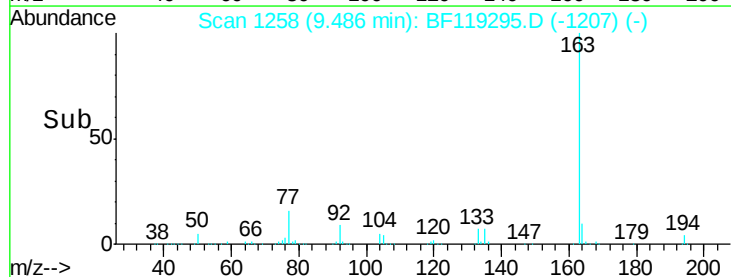
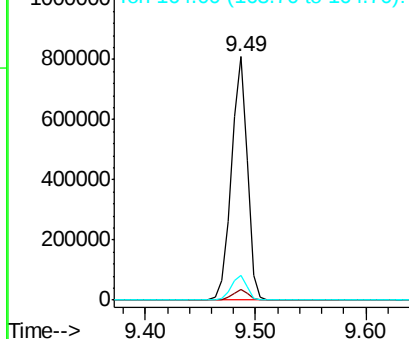
Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		819788		
194	4.2	3.5	5.3		
164	10.2	8.4	12.6		



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





#51

2,6-Dinitrotoluene

Concen: 46.147 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

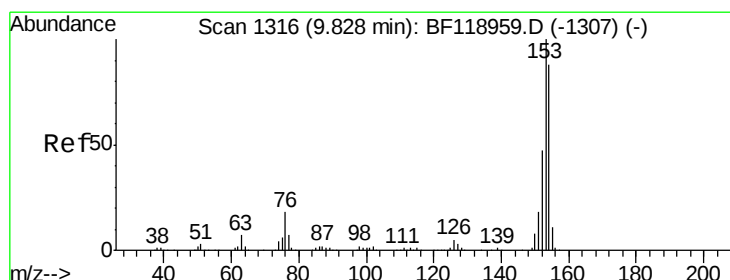
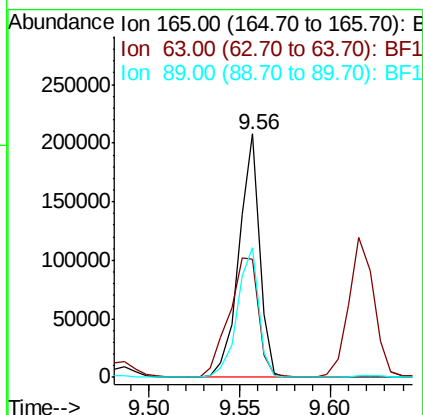
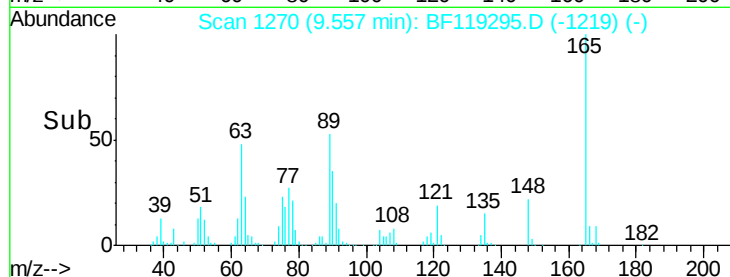
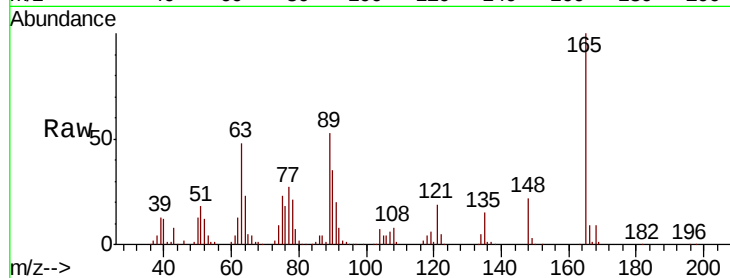
ClientSampleId :

GP-17-030520MSD

Tot Ion:	165	Resp:	164617
Ion Ratio	Lower	Upper	
165	100		
63	48.5	34.3	51.5
89	53.3	38.3	57.5

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#52

Acenaphthene

Concen: 46.511 ng

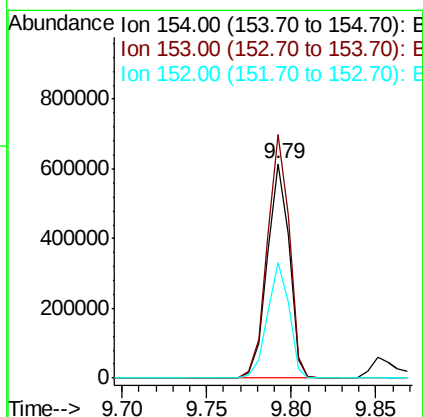
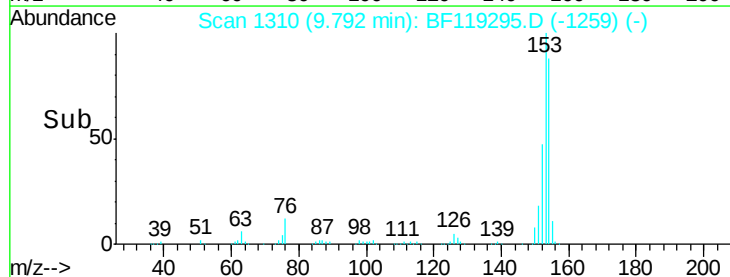
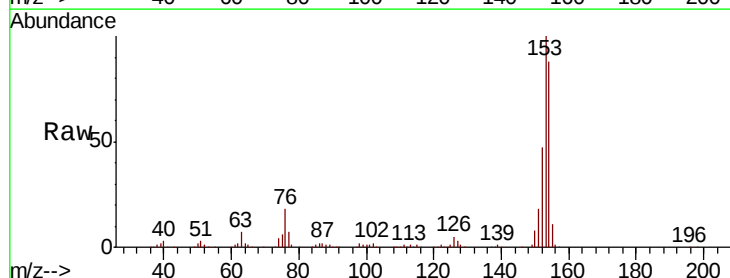
RT: 9.79 min Scan# 1310

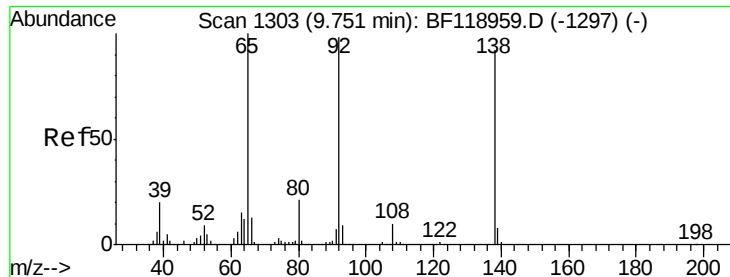
Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion:	154	Resp:	553930
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.3	135.5
152	53.7	43.8	65.8





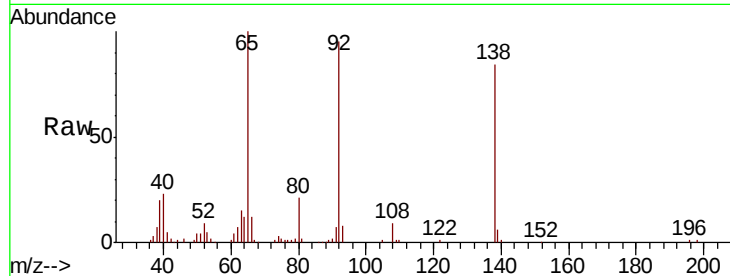
#53
3-Nitroaniline
Concen: 21.085 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	113.4	84.8	127.2

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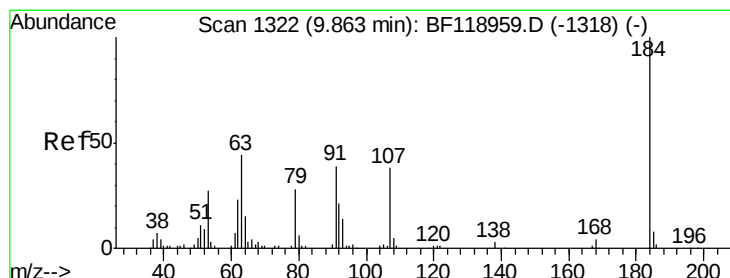
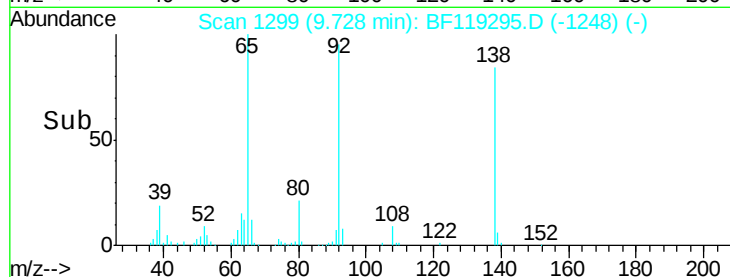
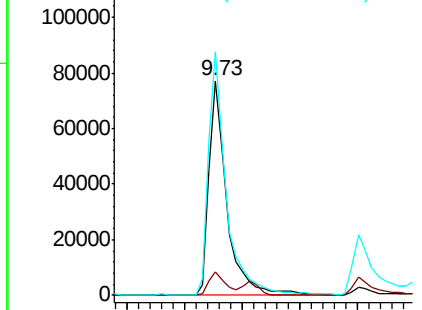


Abundance

Ion 138.00 (137.70 to 138.70): E

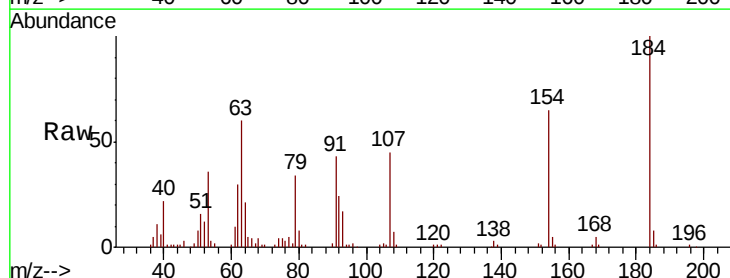
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 72.680 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.8	38.7	58.1#
154	65.2	49.7	74.5

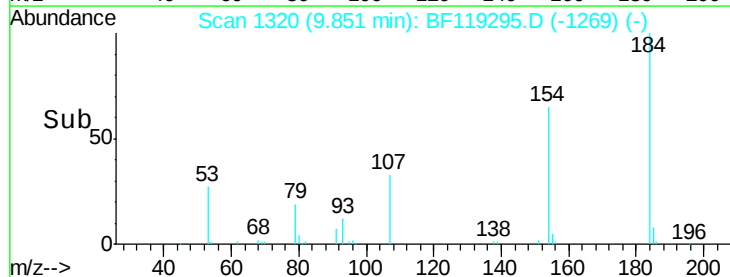
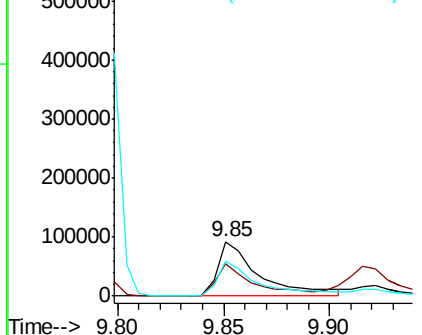


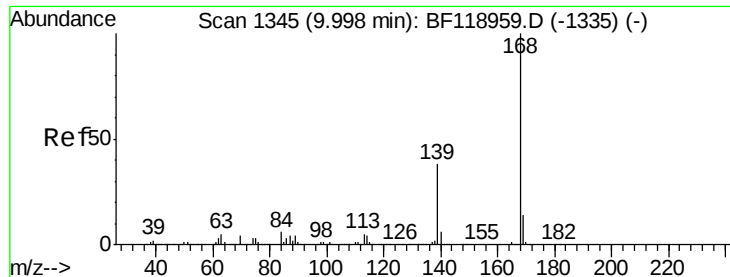
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 46.478 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

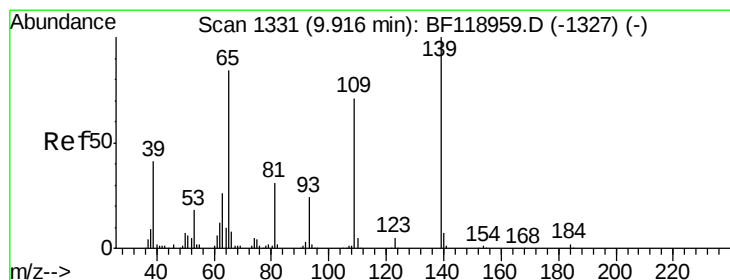
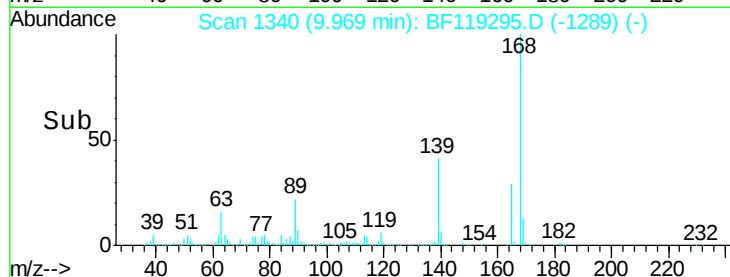
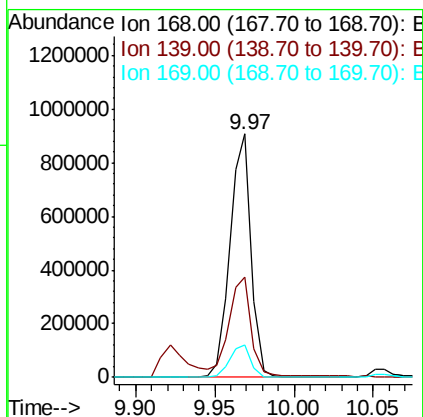
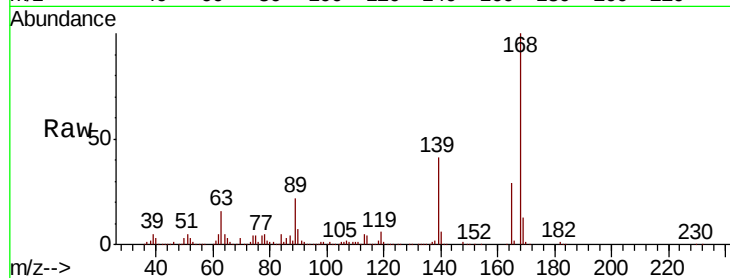
ClientSampleId :

GP-17-030520MSD

Tot Ion:	168	Resp:	826200
Ion Ratio	Lower	Upper	
168	100		
139	41.1	34.0	51.0
169	13.5	11.0	16.4

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#56

4-Nitrophenol

Concen: 58.731 ng

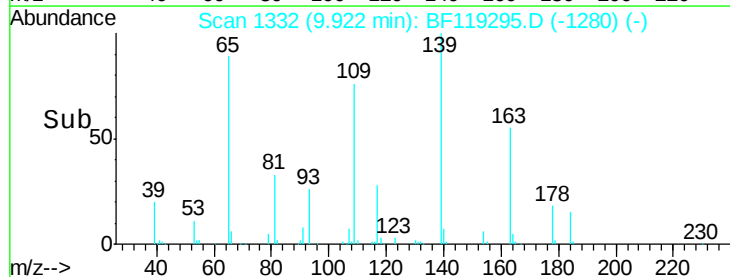
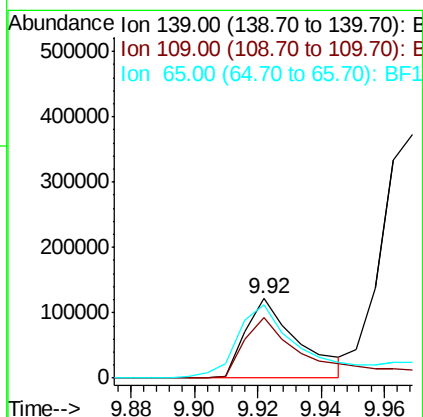
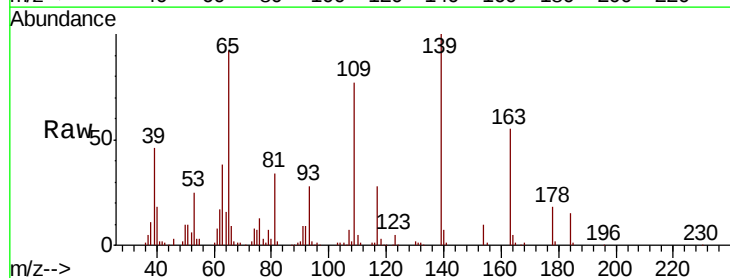
RT: 9.92 min Scan# 1332

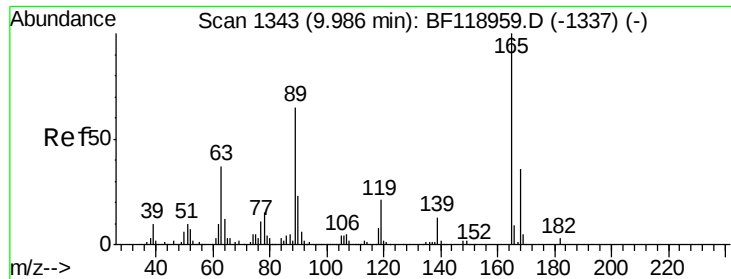
Delta R.T. 0.01 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion:	139	Resp:	139548
Ion Ratio	Lower	Upper	
139	100		
109	77.0	56.7	96.7
65	92.3	65.0	105.0





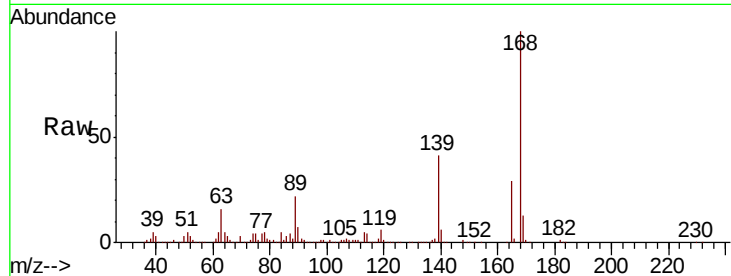
#57
 2,4-Dinitrotoluene
 Concen: 47.348 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

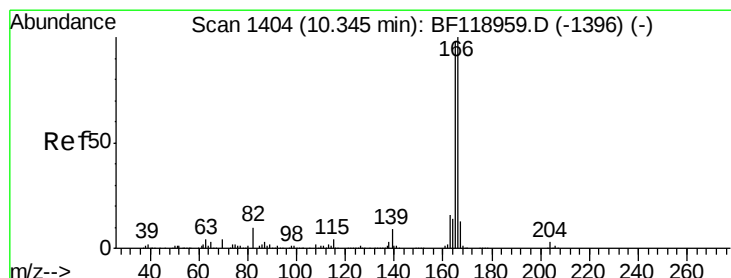
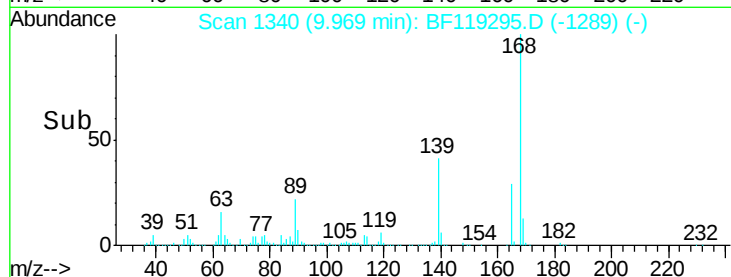
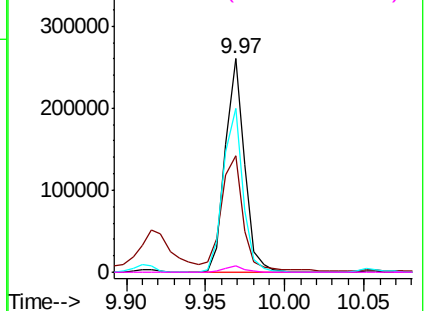
Tot Ion	Ratio	Resp	Lower	Upper
165	100	218926		
63	54.6	42.3	63.5	
89	76.7	60.2	90.4	
182	2.9	2.3	3.5	

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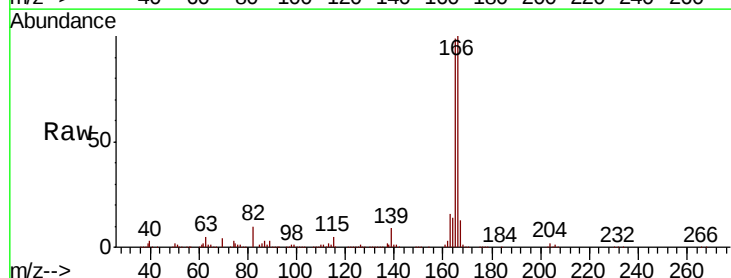


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

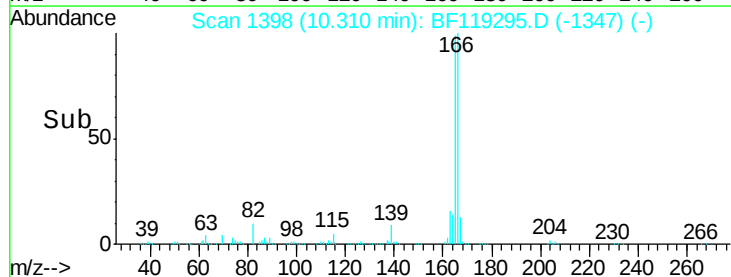
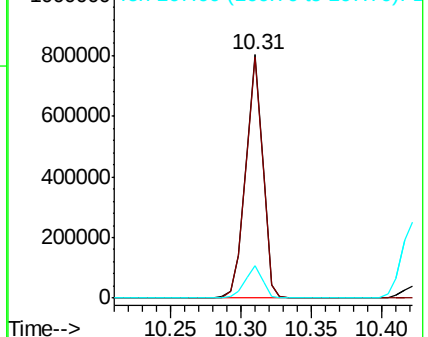


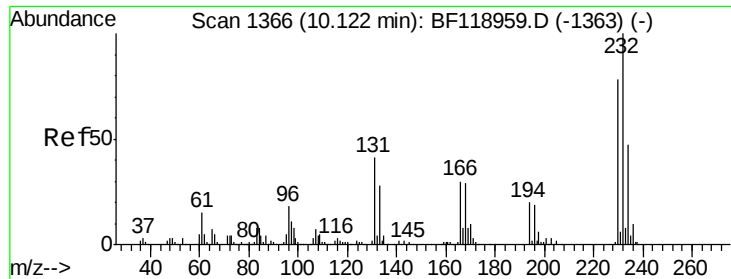
#58
 Fluorene
 Concen: 48.987 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	676660		
165	99.2	78.5	117.7	
167	13.5	11.0	16.4	



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





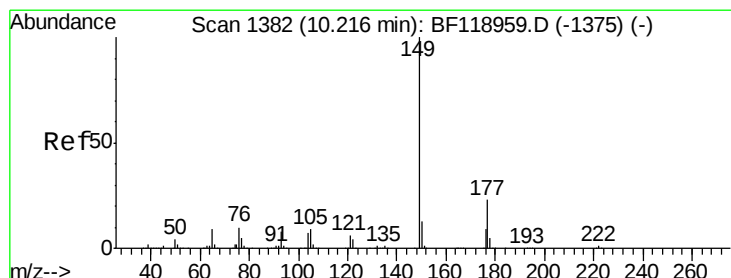
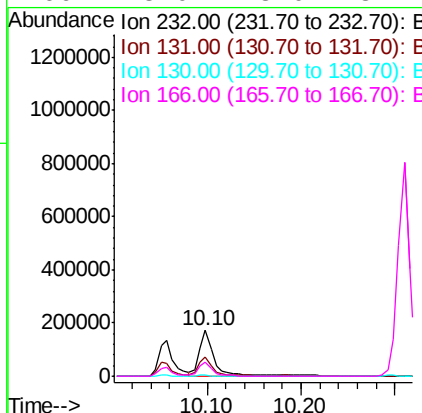
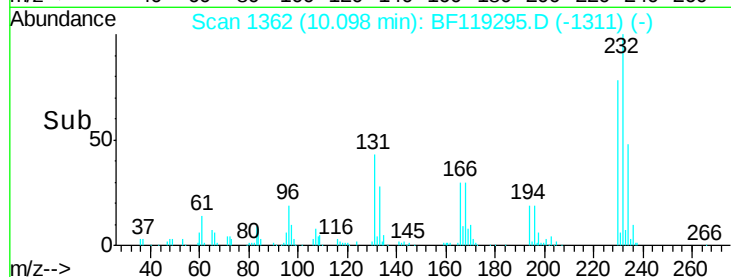
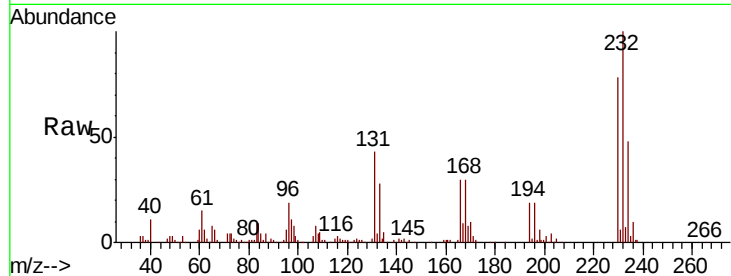
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.254 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		183095		
131	39.8	33.8	50.8		
130	2.3	1.8	2.6		
166	28.0	23.0	34.4		

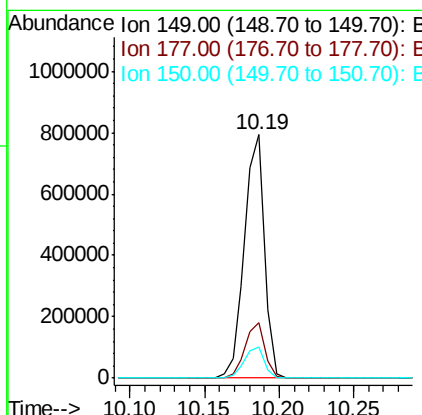
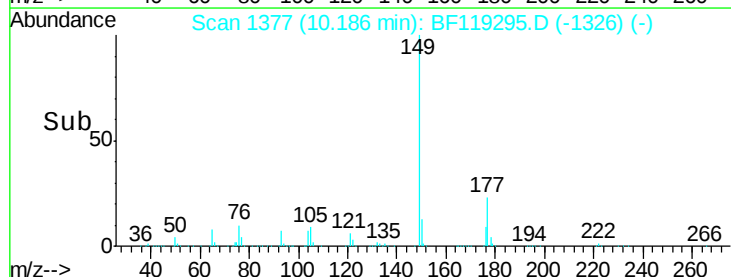
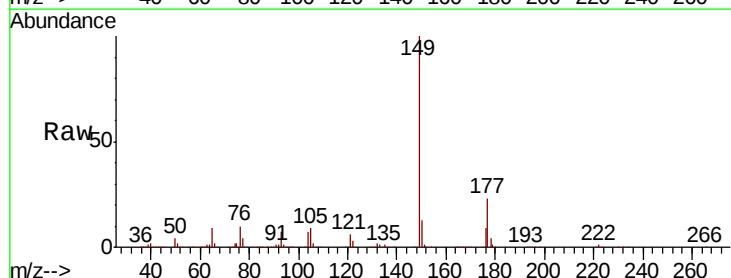
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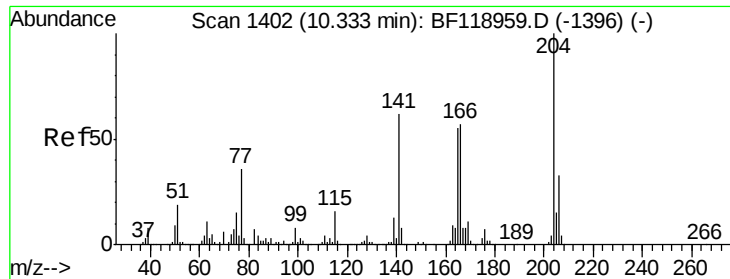
mohammad
3/10/2020 2:44:28 PM



#60
Diethylphthalate
Concen: 48.909 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		740044		
177	22.8	18.2	27.2		
150	12.7	10.5	15.7		





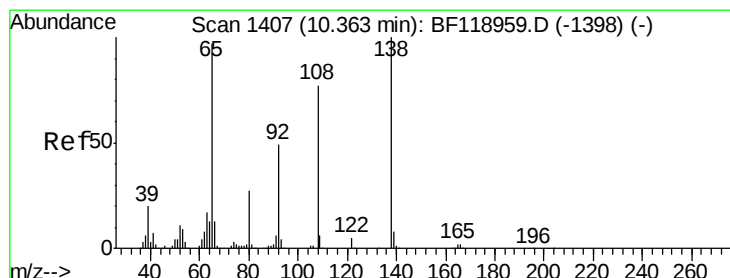
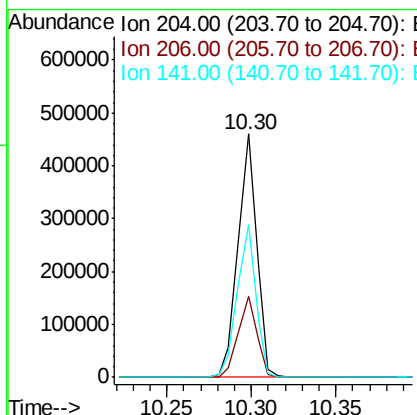
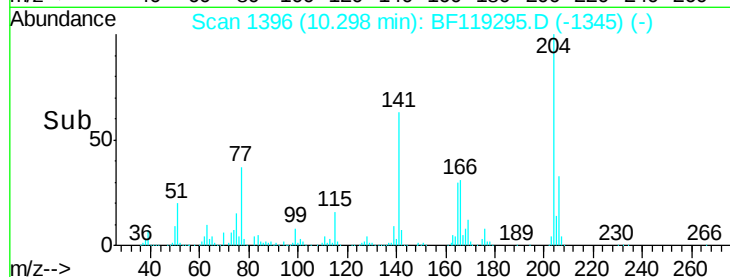
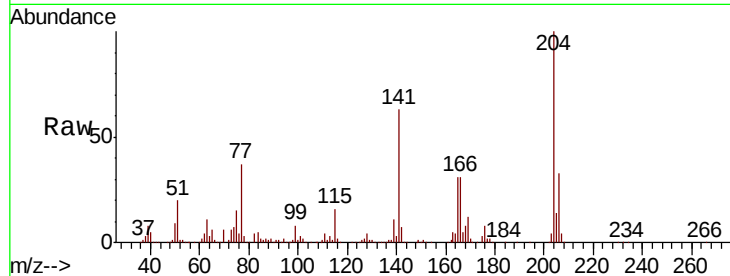
#61
 4-Chlorophenyl-phenylether
 Concen: 48.607 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion:	204	Resp:	355392
Ion Ratio	Lower	Upper	
204	100		
206	33.5	27.1	40.7
141	62.7	52.9	79.3

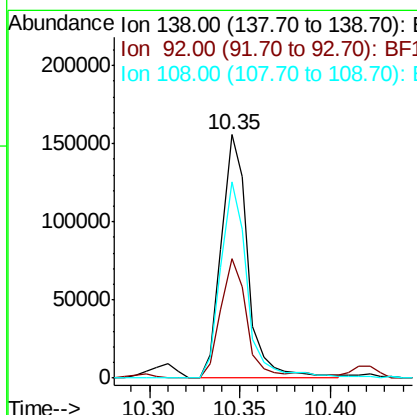
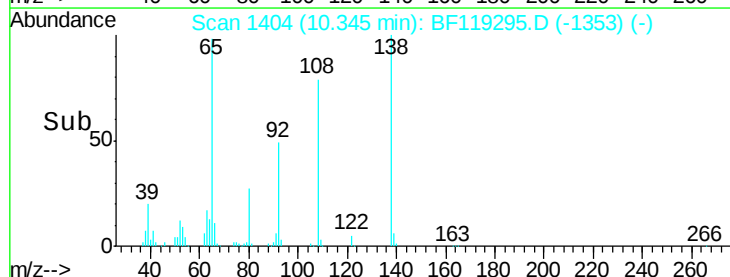
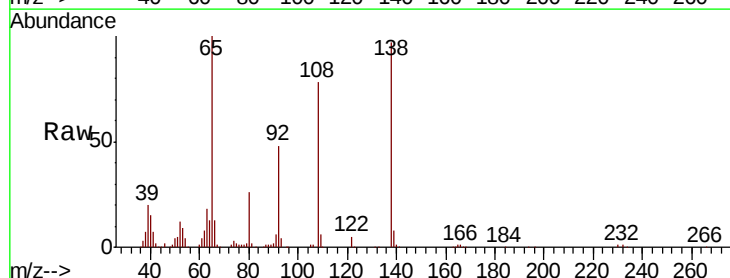
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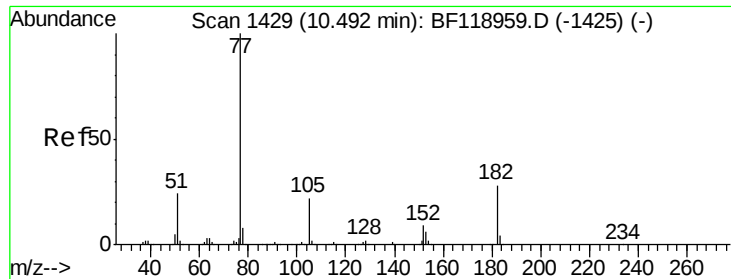
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#62
 4-Nitroaniline
 Concen: 38.788 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion:	138	Resp:	156939
Ion Ratio	Lower	Upper	
138	100		
92	49.0	27.3	67.3
108	80.4	57.0	97.0





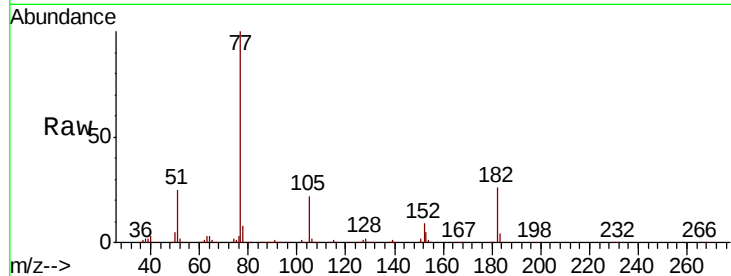
#63
Azobenzene
Concen: 50.423 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

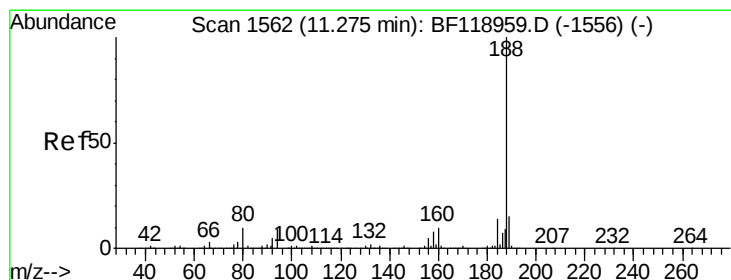
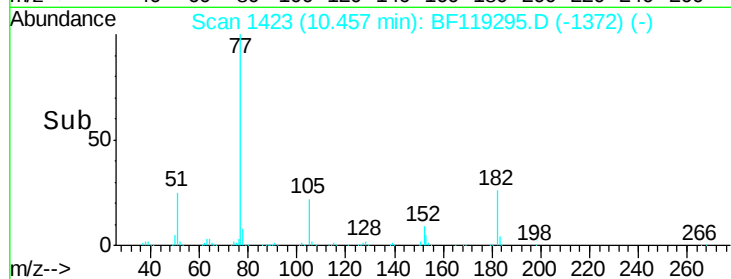
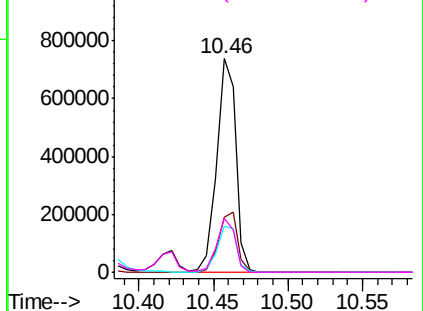
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		663167		
182	25.8	11.4	51.4		
105	21.5	3.4	43.4		
51	25.1	5.1	45.1		

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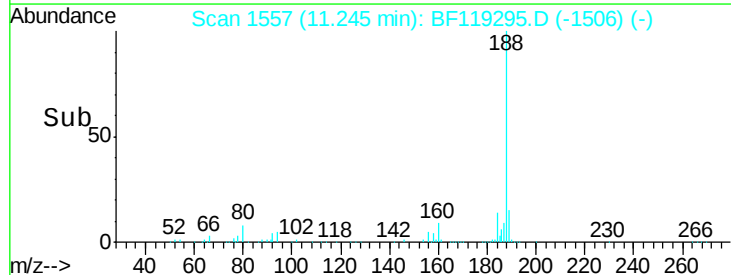
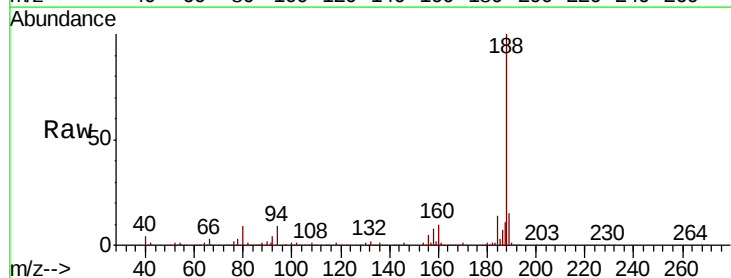
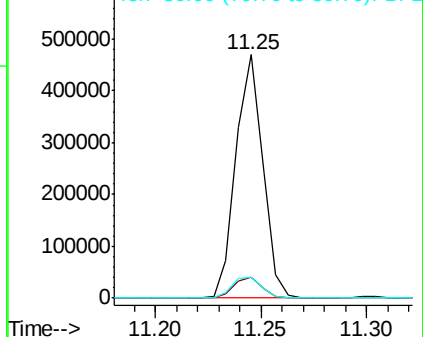
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

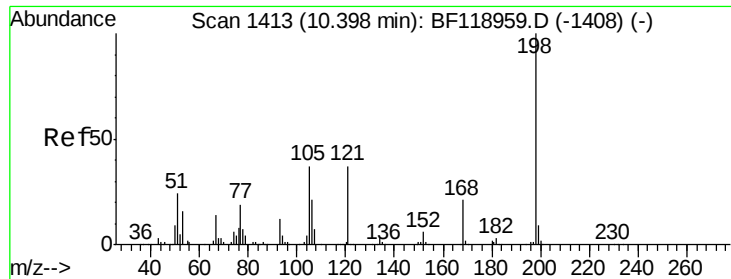


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		413887		
94	8.5	7.1	10.7		
80	8.8	7.8	11.8		

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





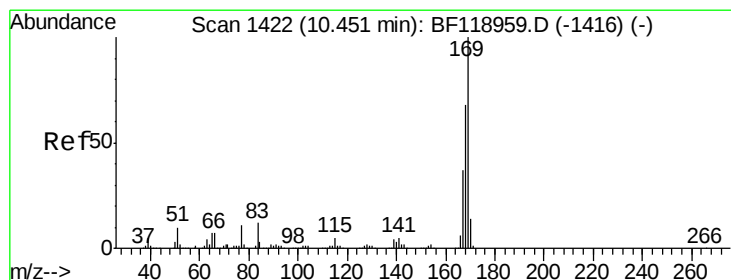
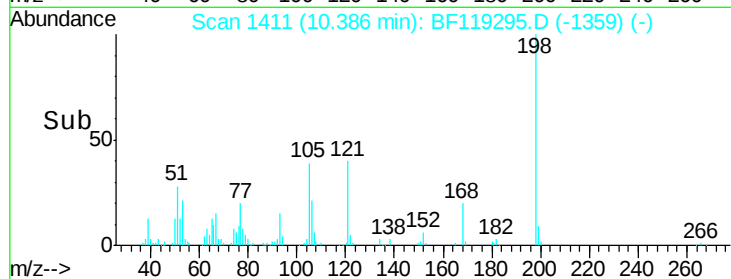
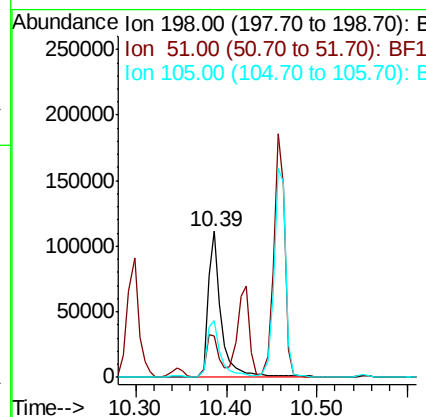
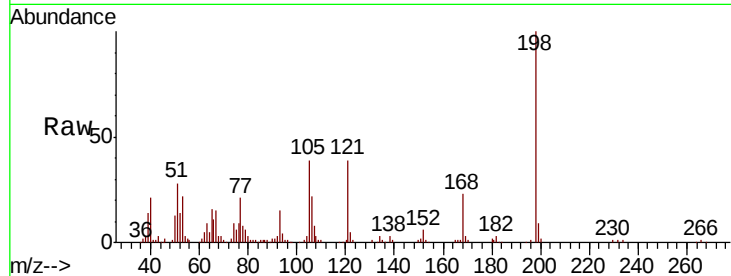
#65
4,6-Dinitro-2-methylphenol
Concen: 45.876 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	114895		
51	28.2		14.2	54.2
105	38.8		22.7	62.7

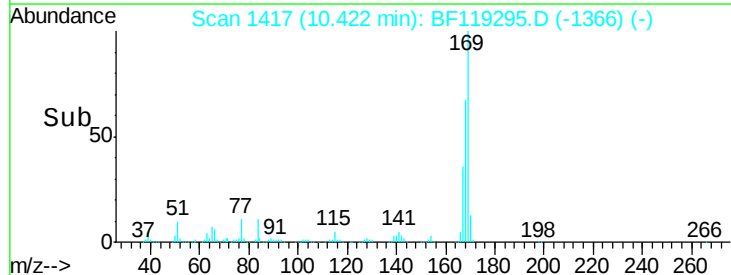
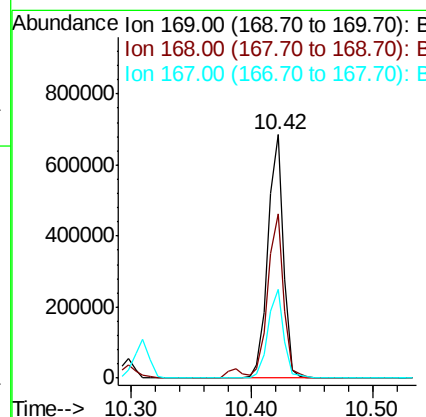
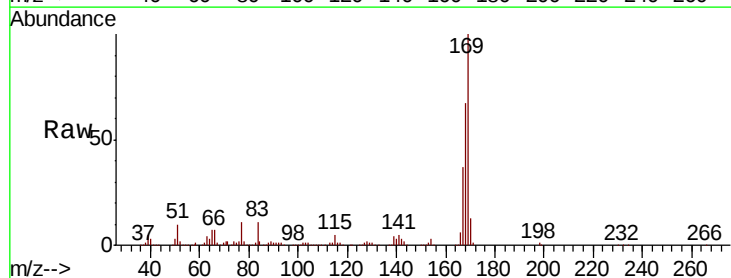
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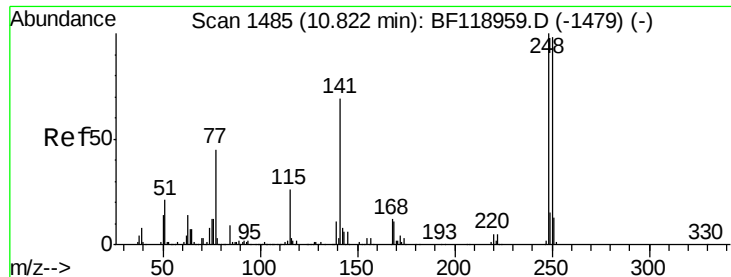
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#66
n-Nitrosodiphenylamine
Concen: 45.621 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	618269		
168	67.3		54.1	81.1
167	36.6		29.4	44.0





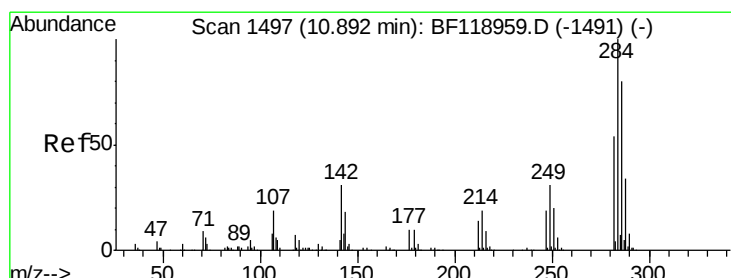
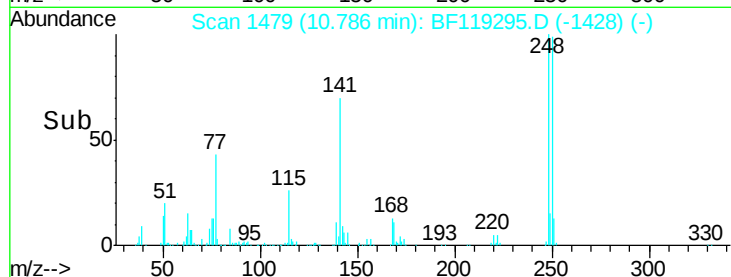
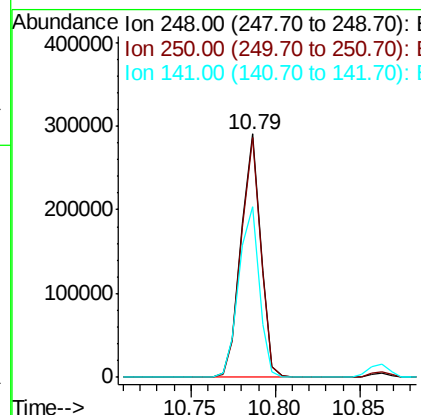
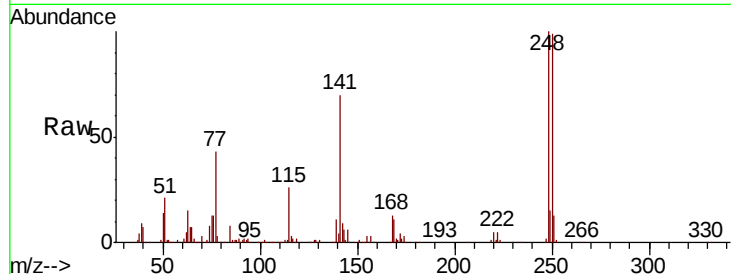
#67
4-Bromophenyl-phenylether
Concen: 43.645 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.5	76.7	115.1
141	70.0	60.7	91.1

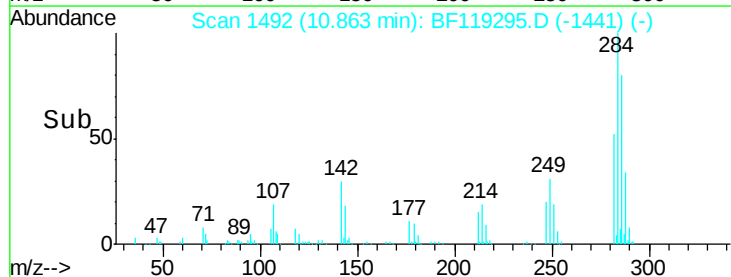
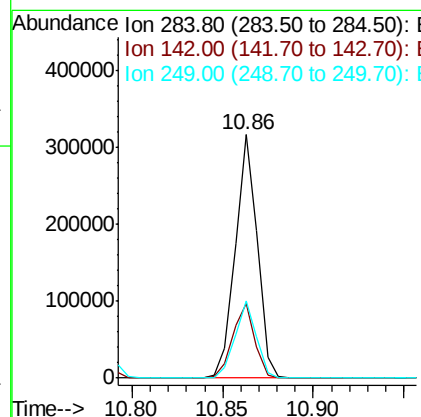
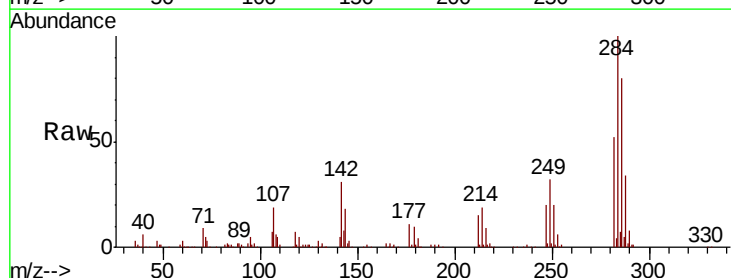
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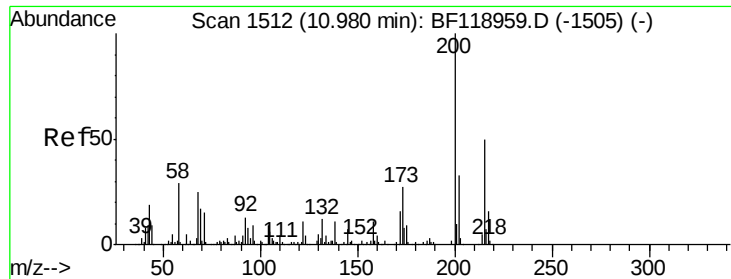
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#68
Hexachlorobenzene
Concen: 42.946 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	23.7	35.5
249	31.6	25.0	37.6





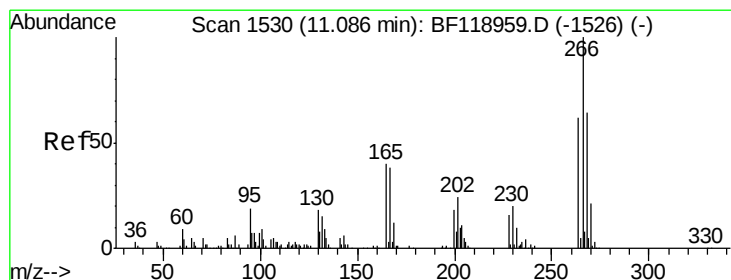
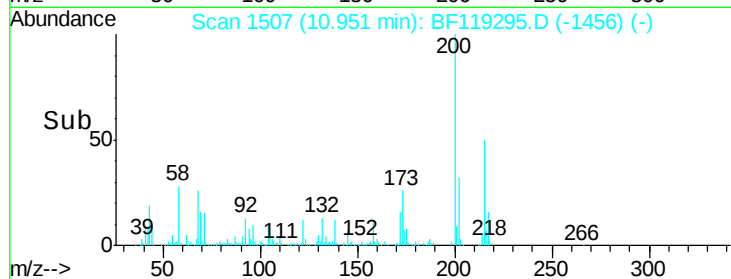
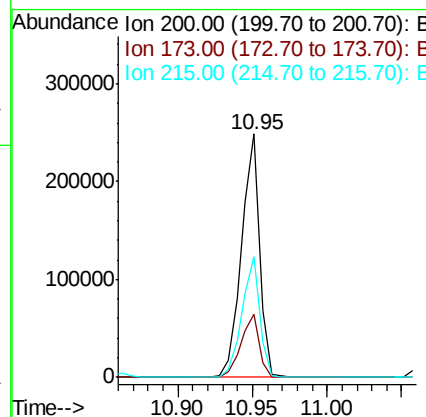
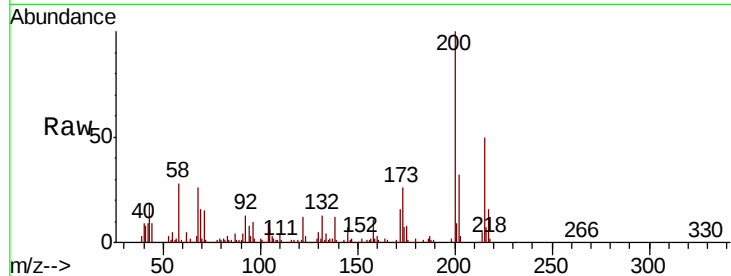
#69
Atrazine
Concen: 44.992 ng
RT: 10.95 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.4	46.4
215	49.7	27.4	67.4

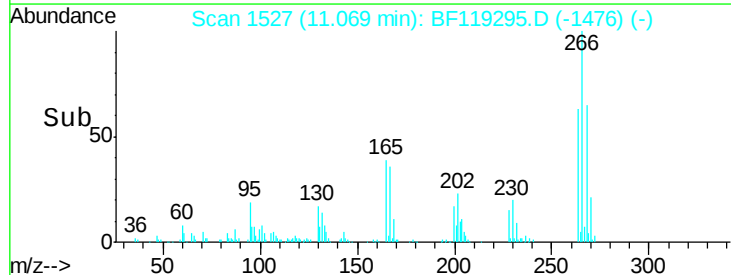
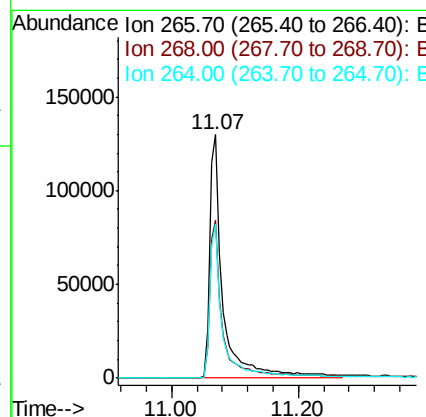
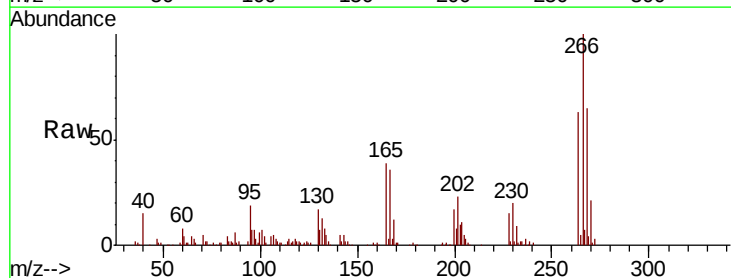
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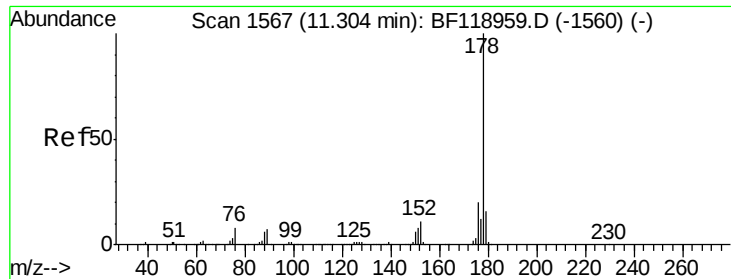
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#70
Pentachlorophenol
Concen: 75.242 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.9	77.9
264	63.4	51.0	76.4





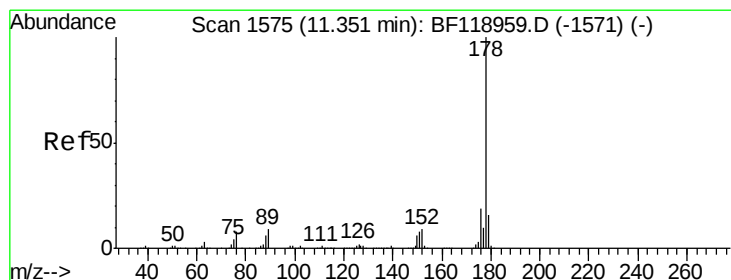
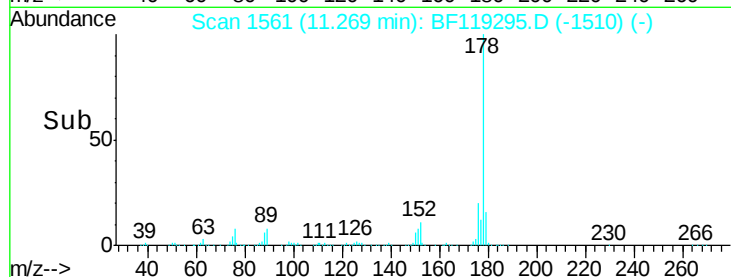
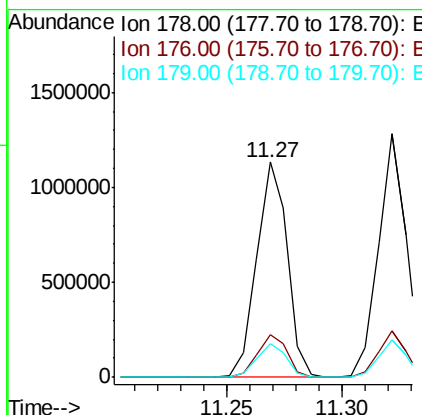
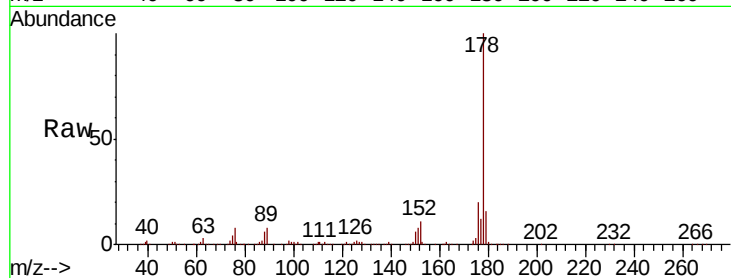
#71
Phenanthrene
Concen: 46.584 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion:178 Resp: 1051465
Ion Ratio Lower Upper
178 100
176 19.8 16.5 24.7
179 15.8 13.0 19.6

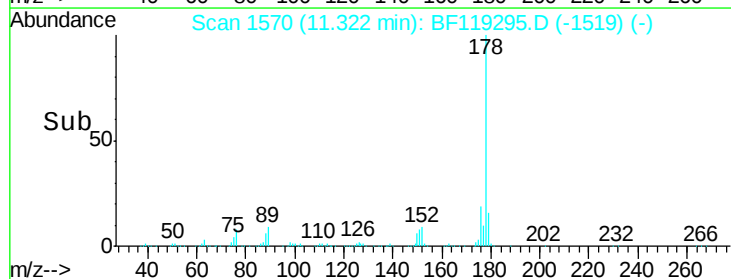
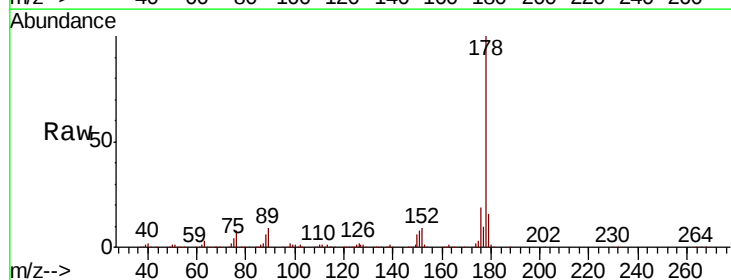
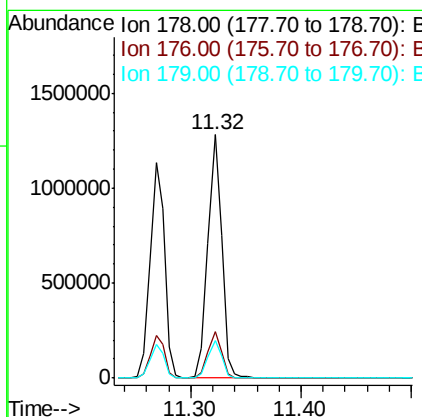
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#72
Anthracene
Concen: 48.083 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion:178 Resp: 1084400
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 13.1 19.7





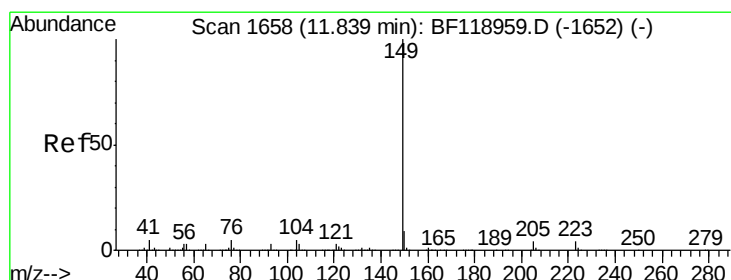
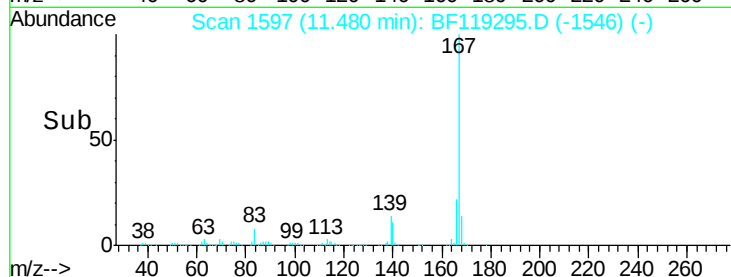
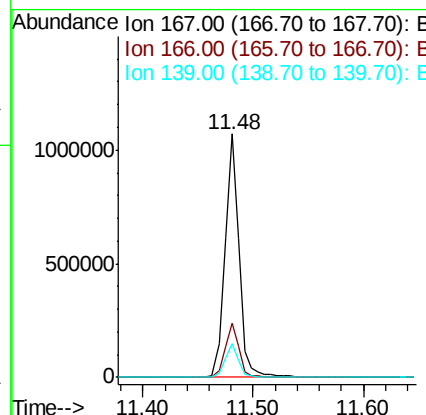
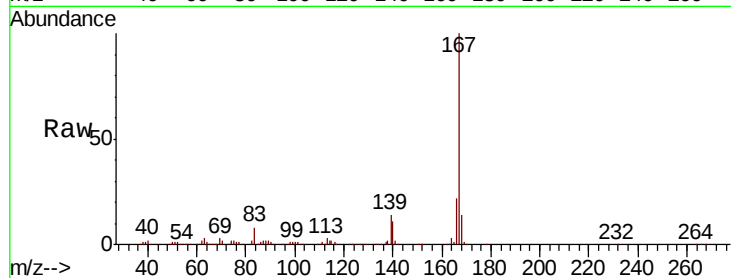
#73
 Carbazole
 Concen: 47.342 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.4
139	14.0	11.7	17.5

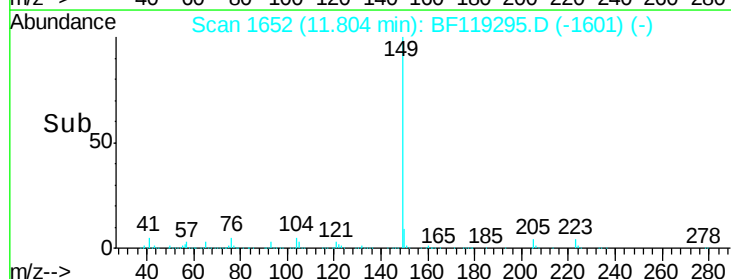
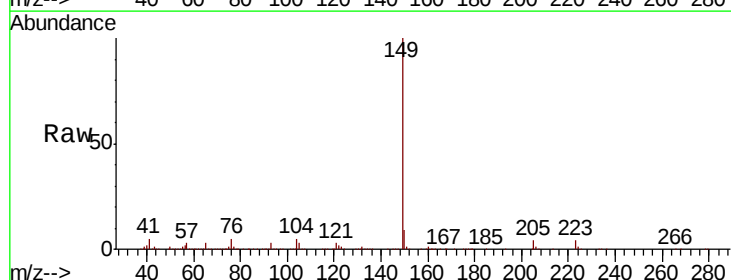
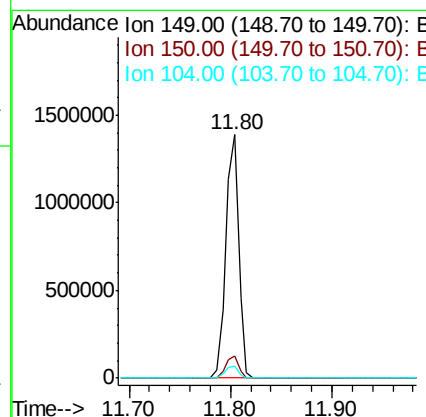
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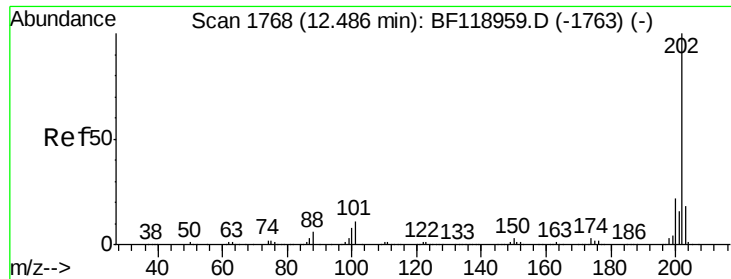
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#74
 Di-n-butylphthalate
 Concen: 50.217 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.9	11.9
104	5.1	4.6	6.8





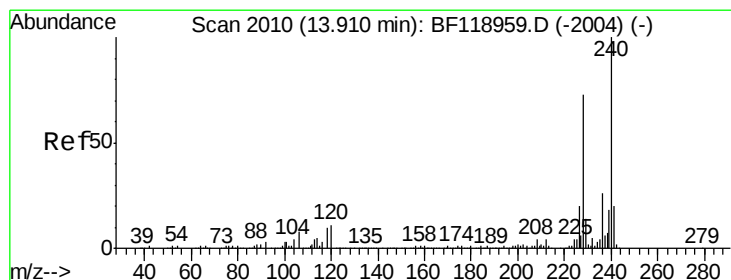
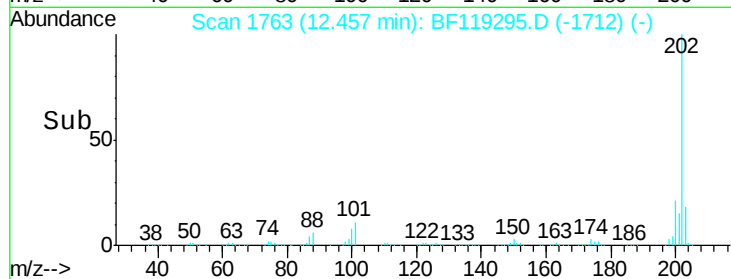
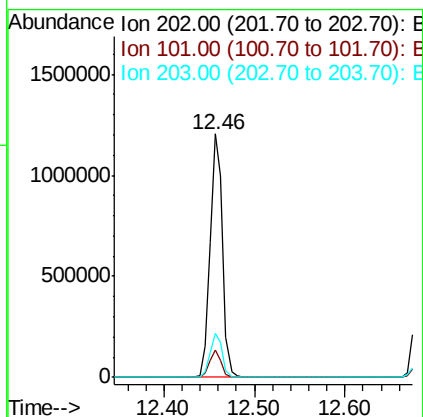
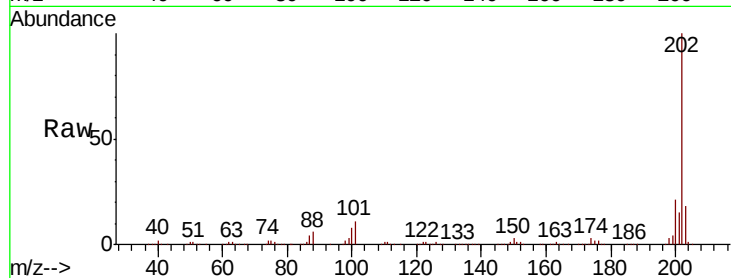
#75
Fluoranthene
Concen: 48.622 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.3
203	17.8	0.0	38.4

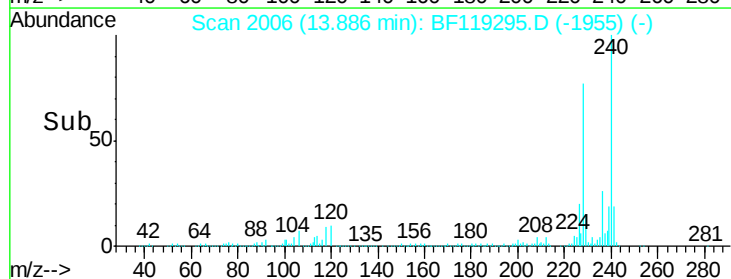
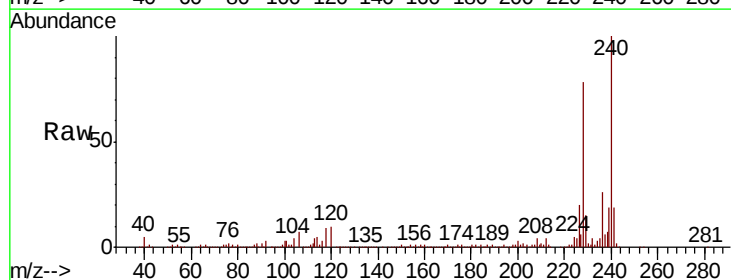
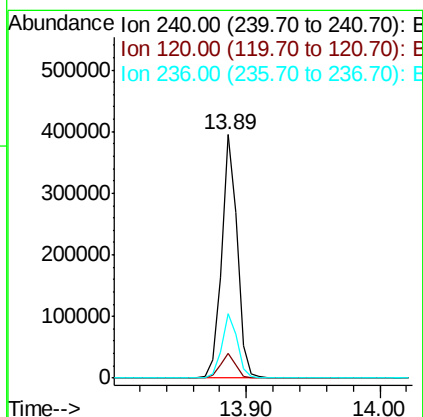
Manual Integrations
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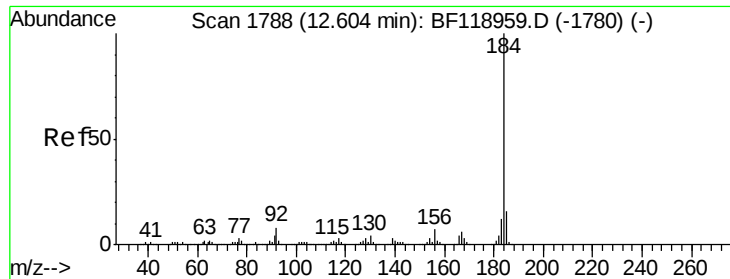
mohammad
3/10/2020 2:44:28 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	26.5	21.0	31.4





#77

Benzidine

Concen: 39.945 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

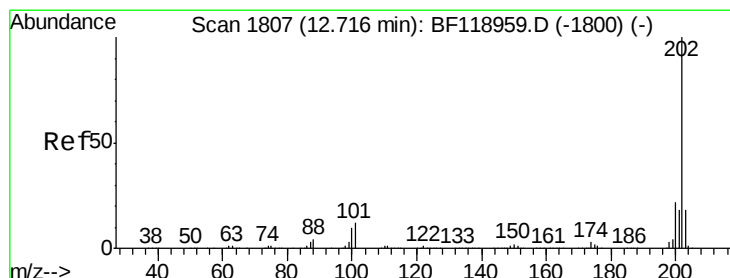
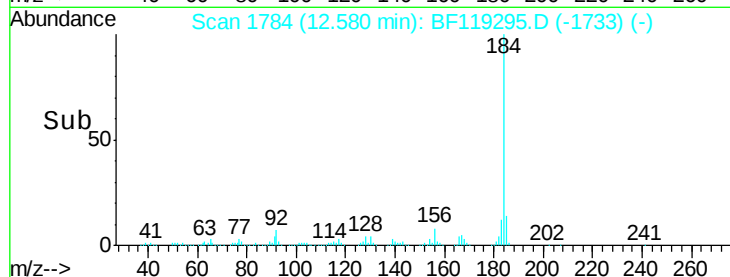
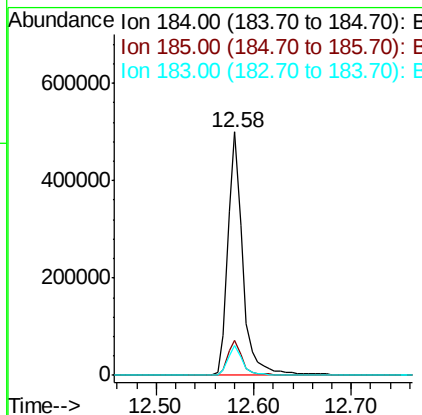
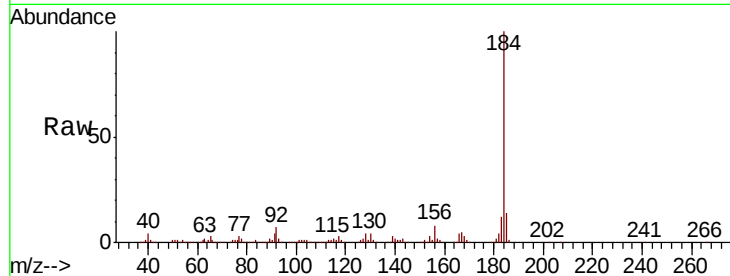
ClientSampleId :

GP-17-030520MSD

Tot Ion:	184	Resp:	530840
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.2	18.4
183	12.3	9.9	14.9

Manual Integrations
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#78

Pyrene

Concen: 44.430 ng

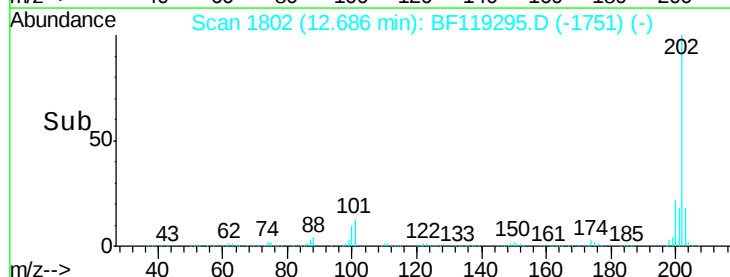
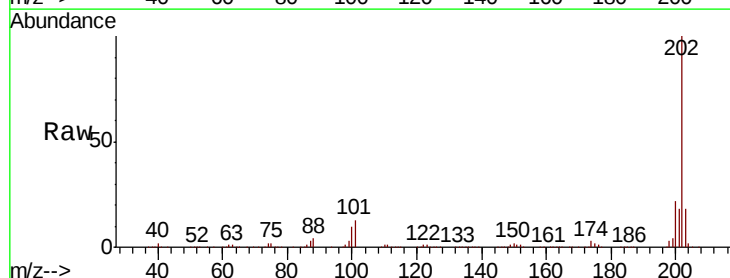
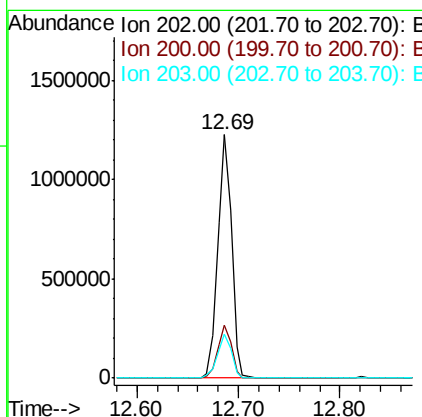
RT: 12.69 min Scan# 1802

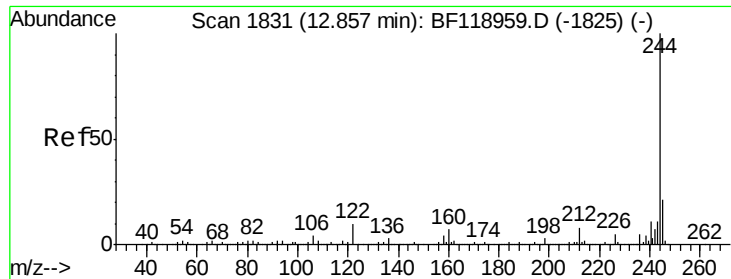
Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Tgt Ion:	202	Resp:	1165791
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.0	27.0
203	17.9	14.6	22.0





#79

Terphenyl-d14

Concen: 79.262 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

ClientSampleId :

GP-17-030520MSD

Tot Ion:244 Resp: 1504360

Ion Ratio Lower Upper

244 100

212 7.1 6.6 10.0

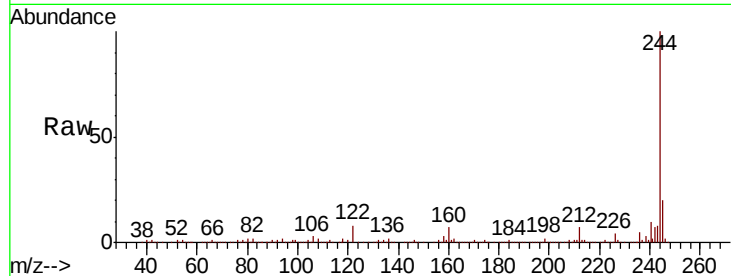
122 8.5 8.2 12.2

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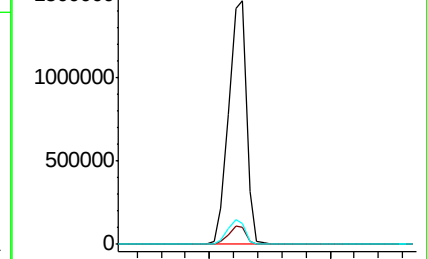
3/10/2020 2:44:28 PM



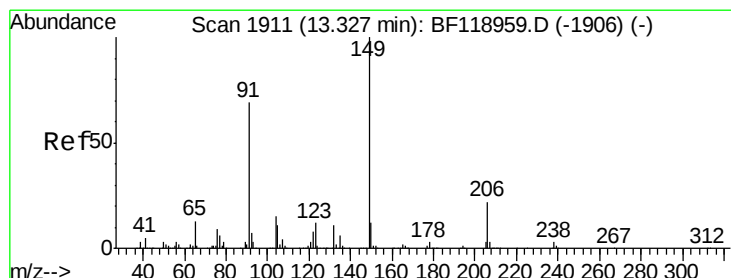
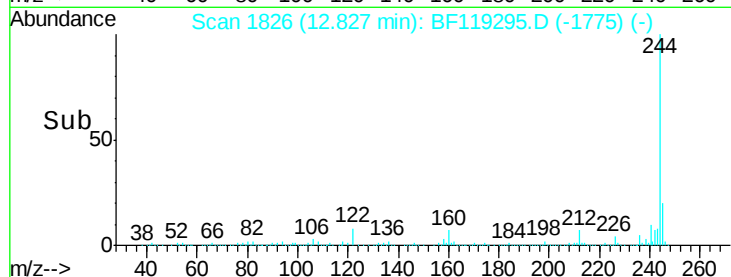
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Butylbenzylphthalate

Concen: 48.281 ng

RT: 13.30 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

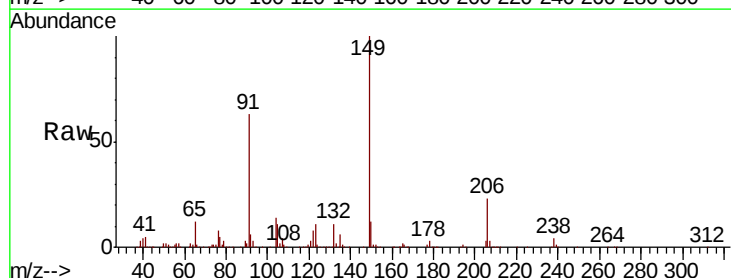
Tgt Ion:149 Resp: 533179

Ion Ratio Lower Upper

149 100

91 63.1 52.3 78.5

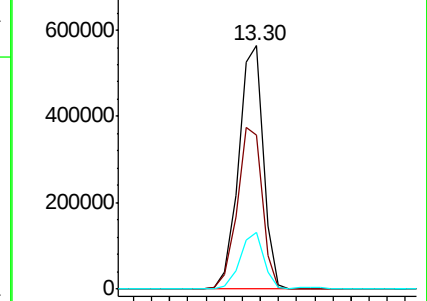
206 23.2 18.5 27.7



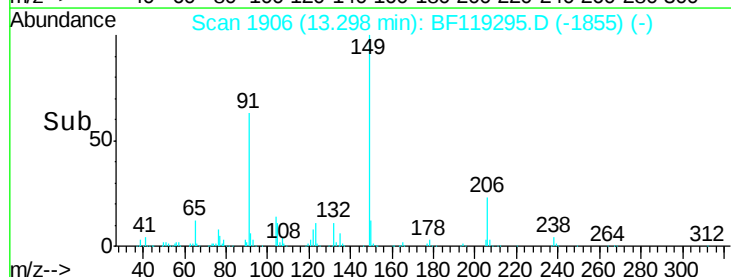
Abundance Ion 149.00 (148.70 to 149.70): E

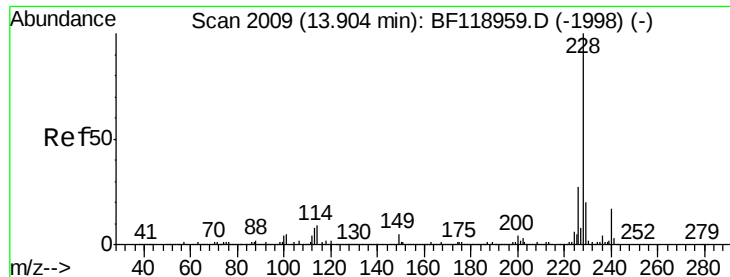
Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 47.479 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

ClientSampleId :

GP-17-030520MSD

Tot Ion:228 Resp: 1057110

Ion Ratio Lower Upper

228 100

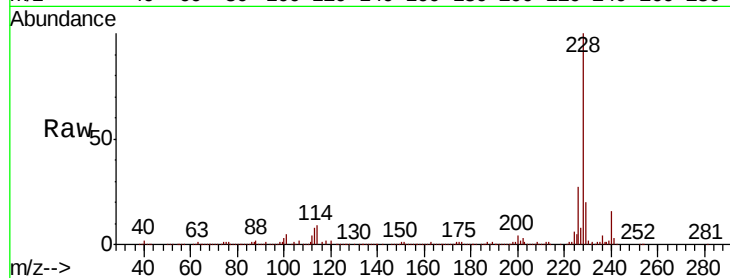
226 27.3 22.6 33.8

229 19.6 16.6 24.8

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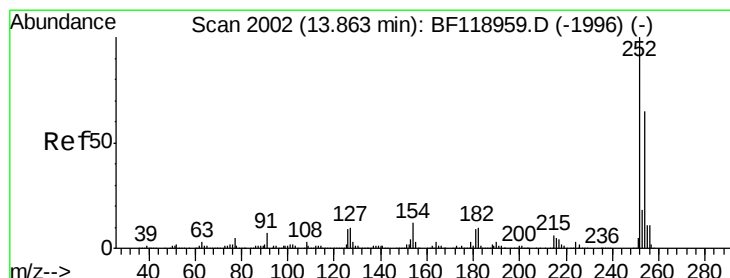
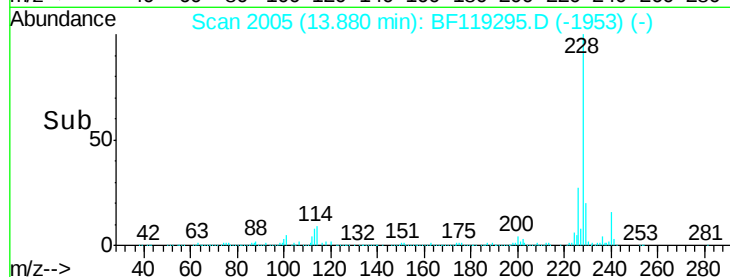
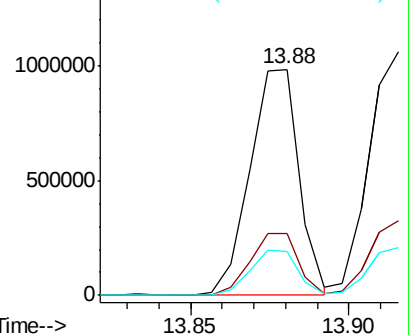
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 35.009 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

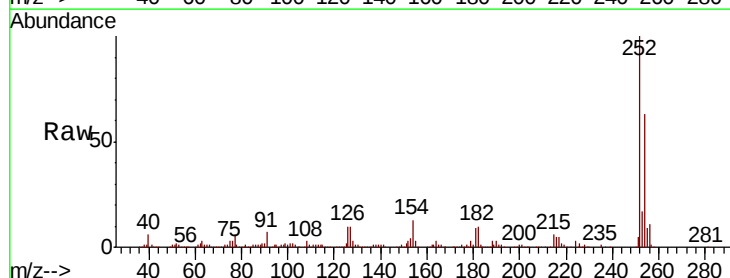
Tgt Ion:252 Resp: 302667

Ion Ratio Lower Upper

252 100

254 63.2 51.6 77.4

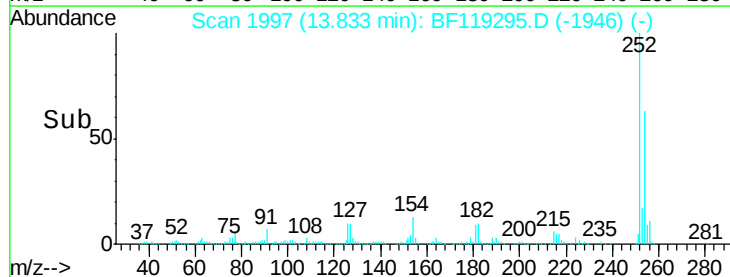
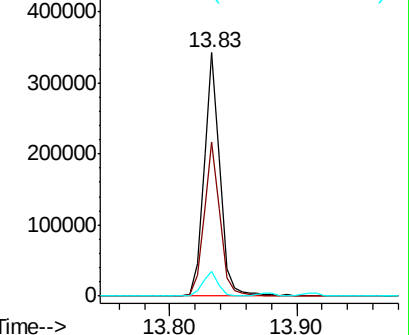
126 10.0 7.4 11.0

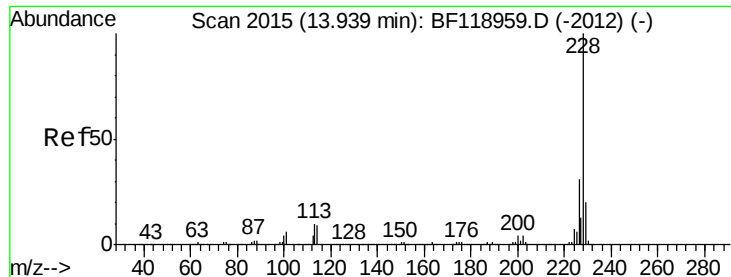


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





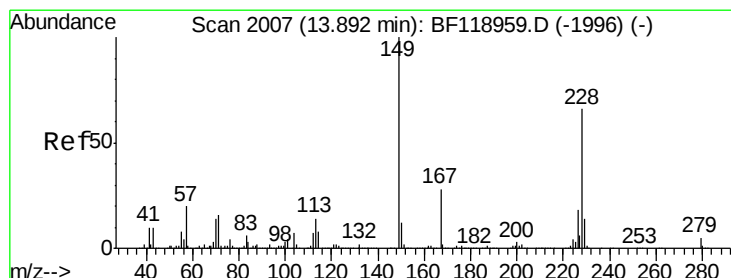
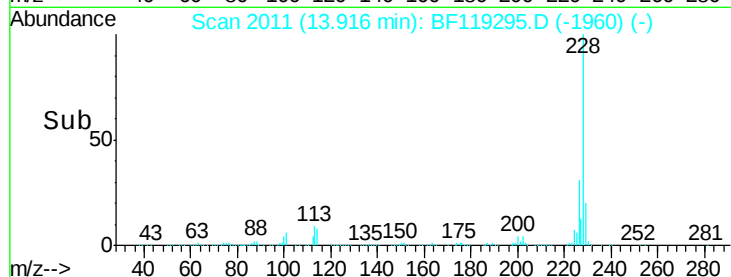
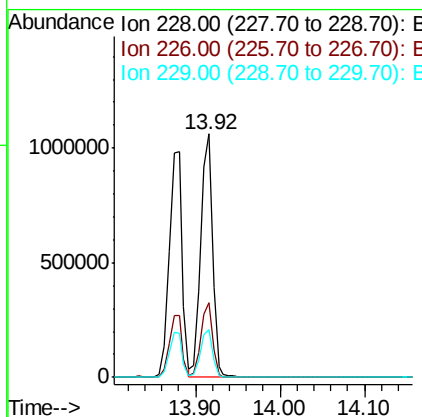
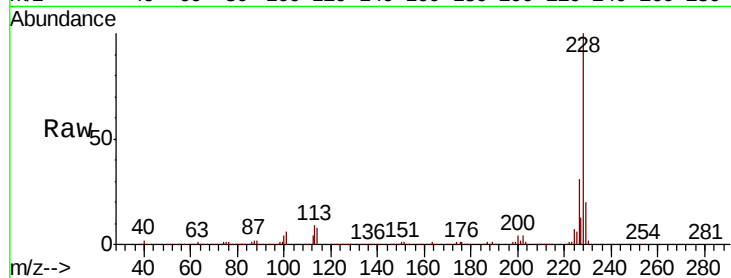
#83
 Chrvsene
 Concen: 45.954 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Instrument :
 BNA_F
 ClientSampleId :
 GP-17-030520MSD

Tot Ion:228 Resp: 1019479
 Ion Ratio Lower Upper
 228 100
 226 30.7 25.1 37.7
 229 19.8 16.3 24.5

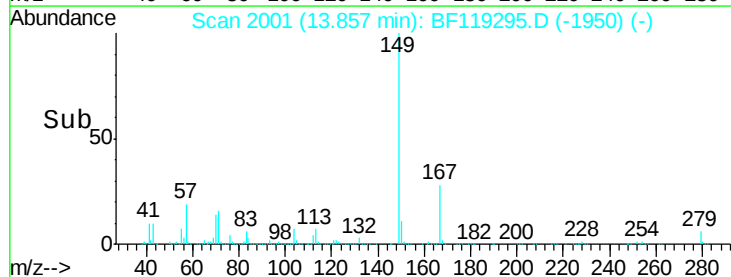
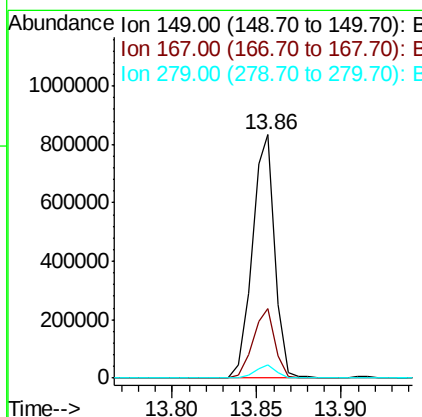
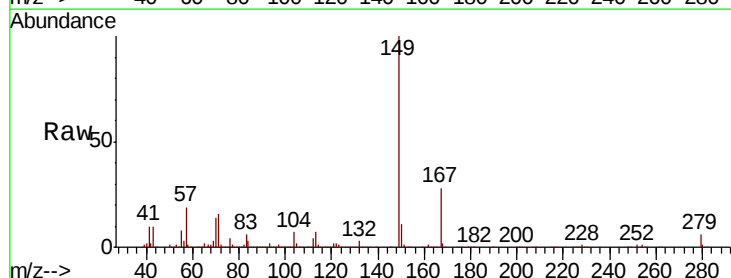
Manual Integrations
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 55.353 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF119295.D
 Acq: 9 Mar 2020 20:59

Tgt Ion:149 Resp: 772255
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.8 34.2
 279 5.6 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 57.909 ng

RT: 14.46 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

Instrument :

BNA_F

ClientSampleId :

GP-17-030520MSD

Tot Ion:149 Resp: 1287268

Ion Ratio Lower Upper

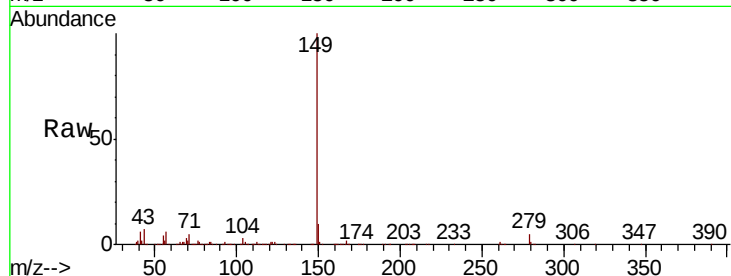
149 100

167 1.6 1.3 1.9

43 6.7 5.7 8.5

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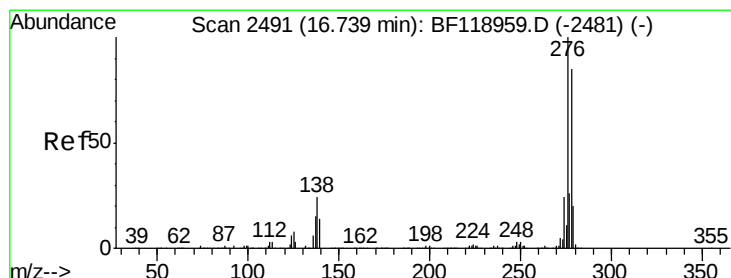
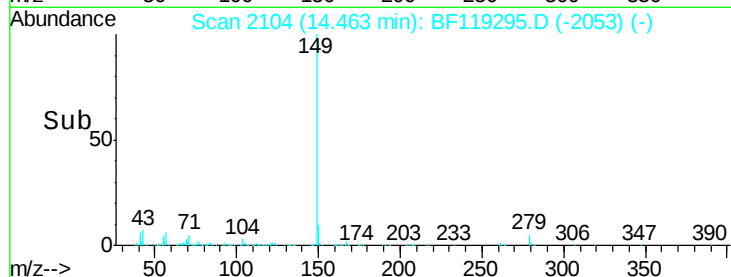
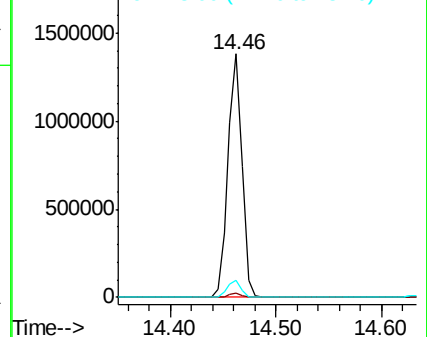
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.669 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BF119295.D

Acq: 9 Mar 2020 20:59

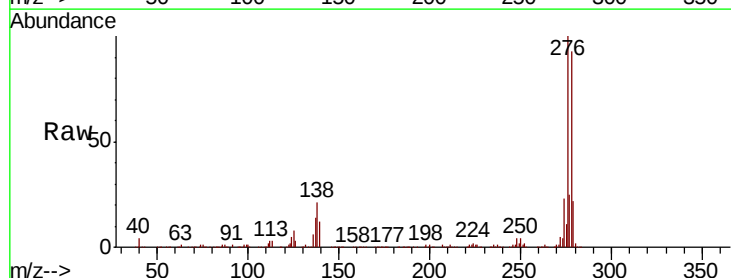
Tgt Ion:276 Resp: 959536

Ion Ratio Lower Upper

276 100

138 21.2 17.4 26.0

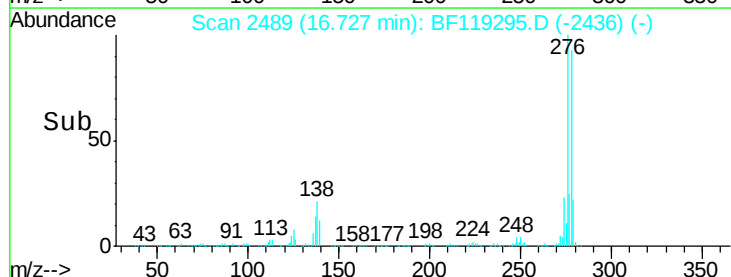
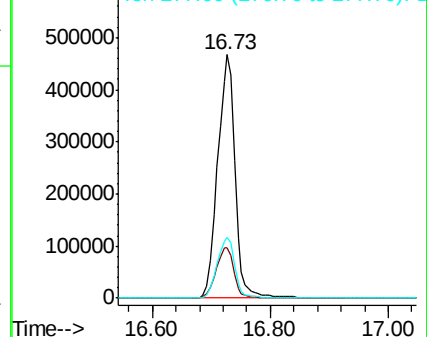
277 25.5 20.3 30.5

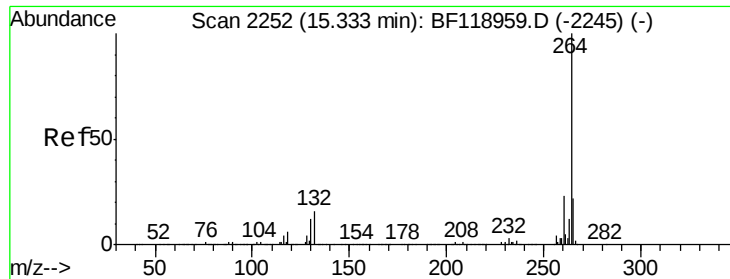


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





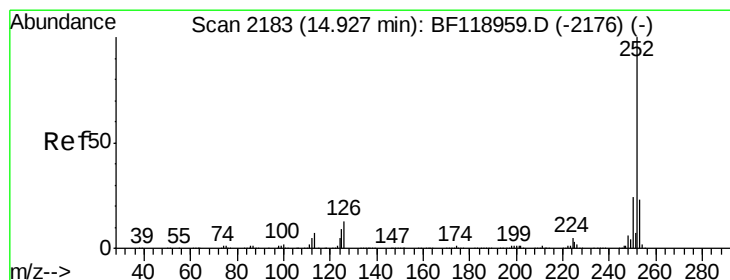
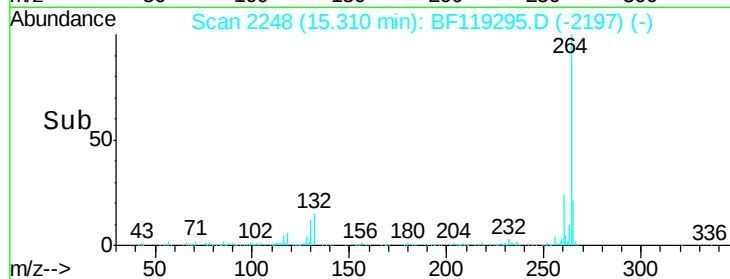
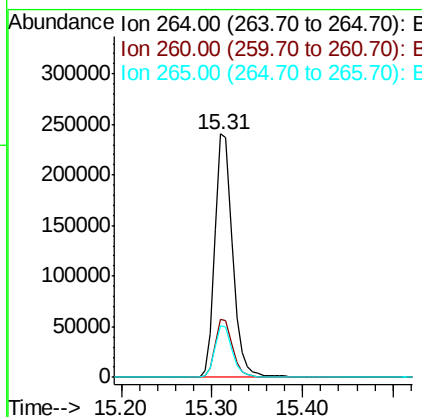
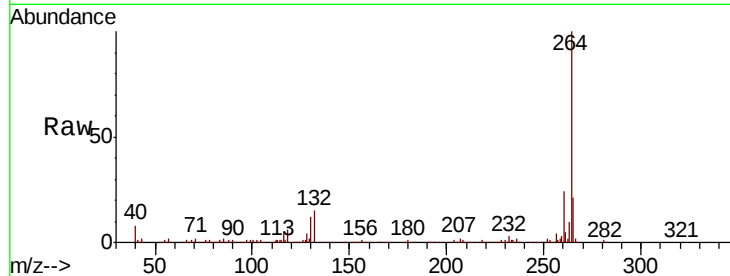
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.4	17.7	26.5

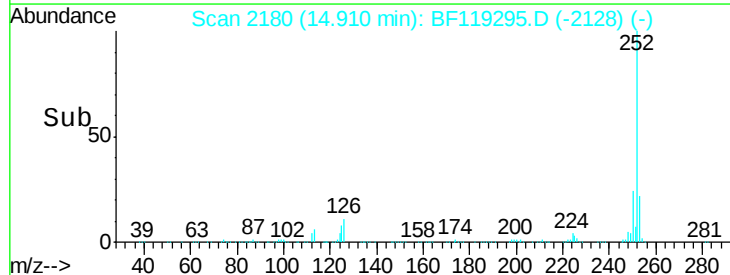
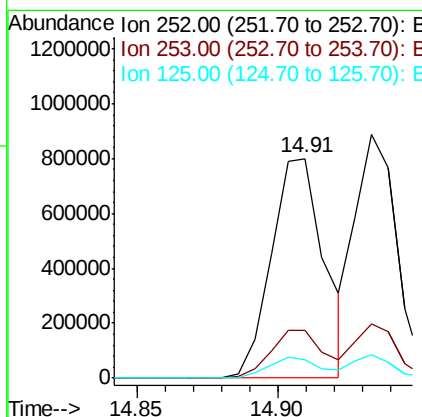
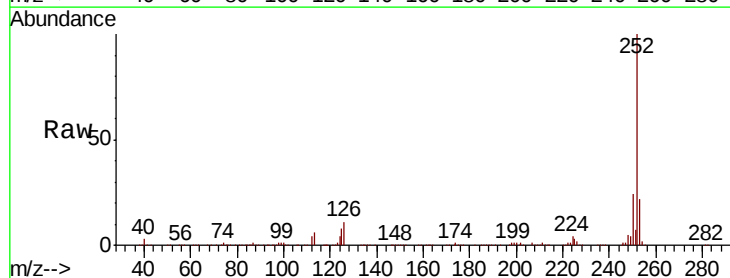
Manual Integrations
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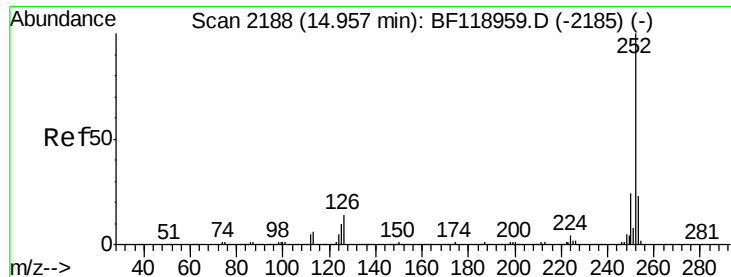
mohammad
3/10/2020 2:44:28 PM



#88
Benzo(b)fluoranthene
Concen: 48.344 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	8.2	7.4	11.0





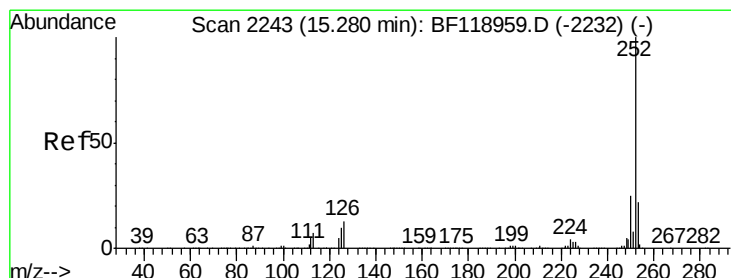
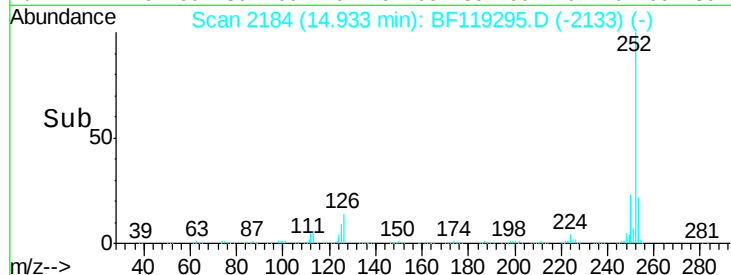
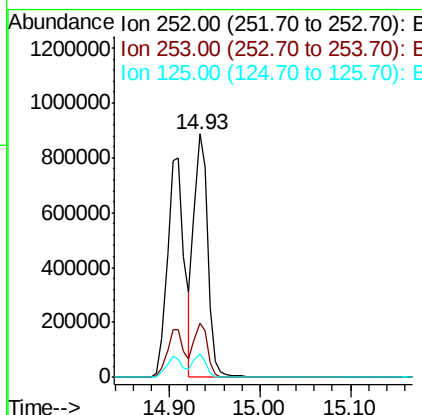
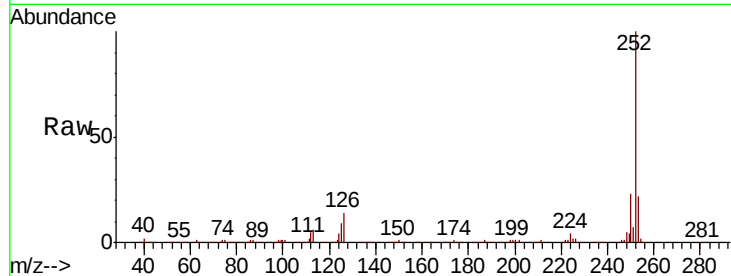
#89
Benzo(k)fluoranthene
Concen: 46.257 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.00 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.4	7.5	11.3

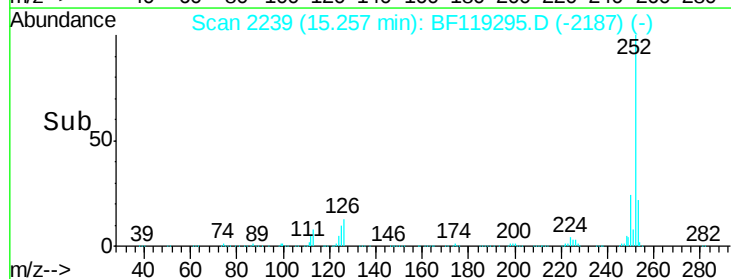
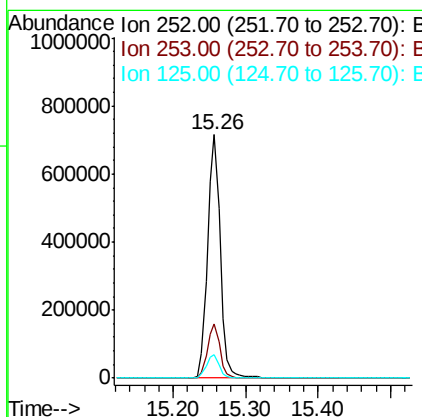
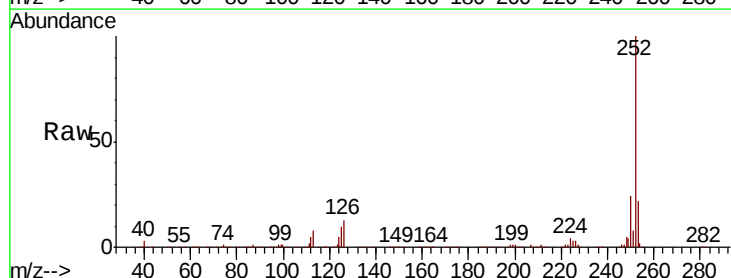
Manual Integrations
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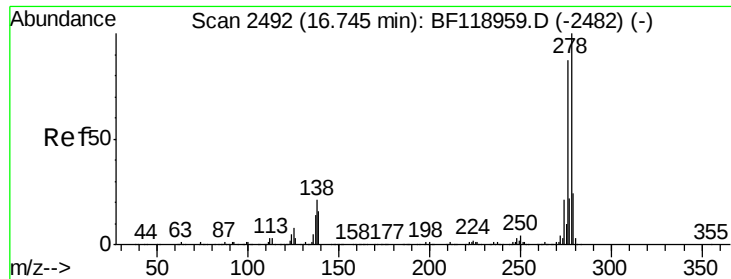
mohammad
3/10/2020 2:44:28 PM



#90
Benzo(a)pyrene
Concen: 44.666 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	9.6	8.6	12.8





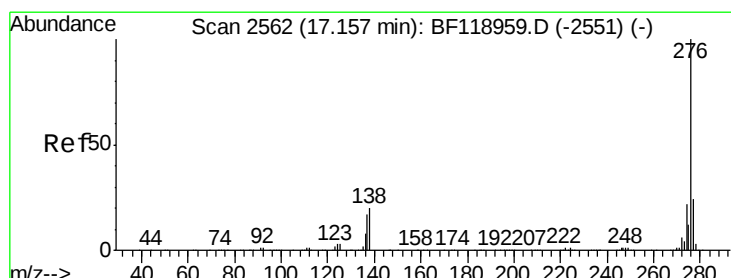
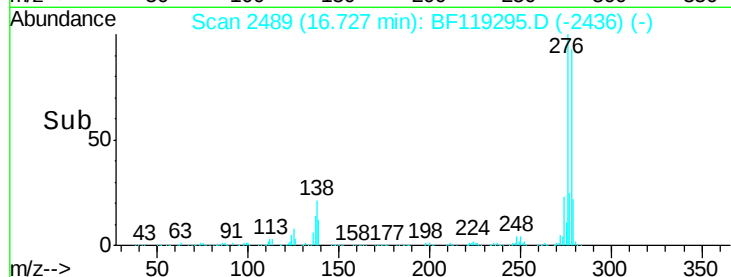
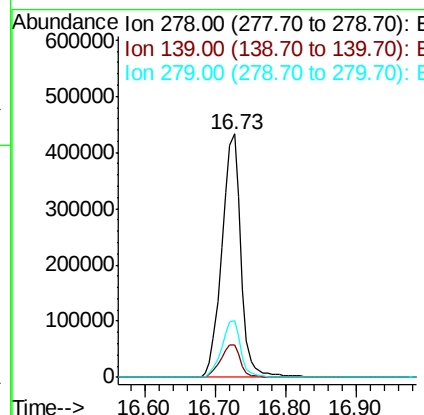
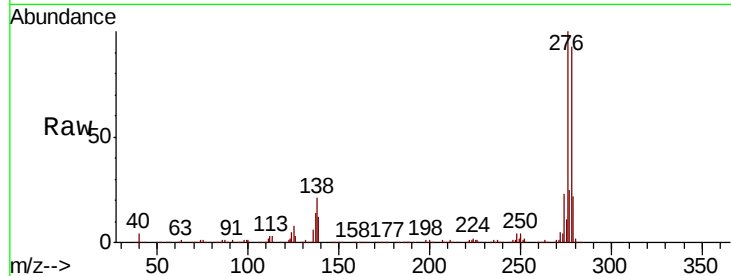
#91
Dibenzo(a,h)anthracene
Concen: 47.550 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Instrument :
BNA_F
ClientSampleId :
GP-17-030520MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.4	11.0	16.4
279	23.3	18.6	28.0

Manual Integrations
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3/10/2020 2:44:28 PM



#92
Benzo(g,h,i)perylene
Concen: 45.717 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF119295.D
Acq: 9 Mar 2020 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	19.5	14.3	21.5

