

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121720\
 Data File : BF122775.D
 Acq On : 17 Dec 2020 20:41
 Operator : JU/CG
 Sample : L5115-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

Quant Time: Dec 18 01:44:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

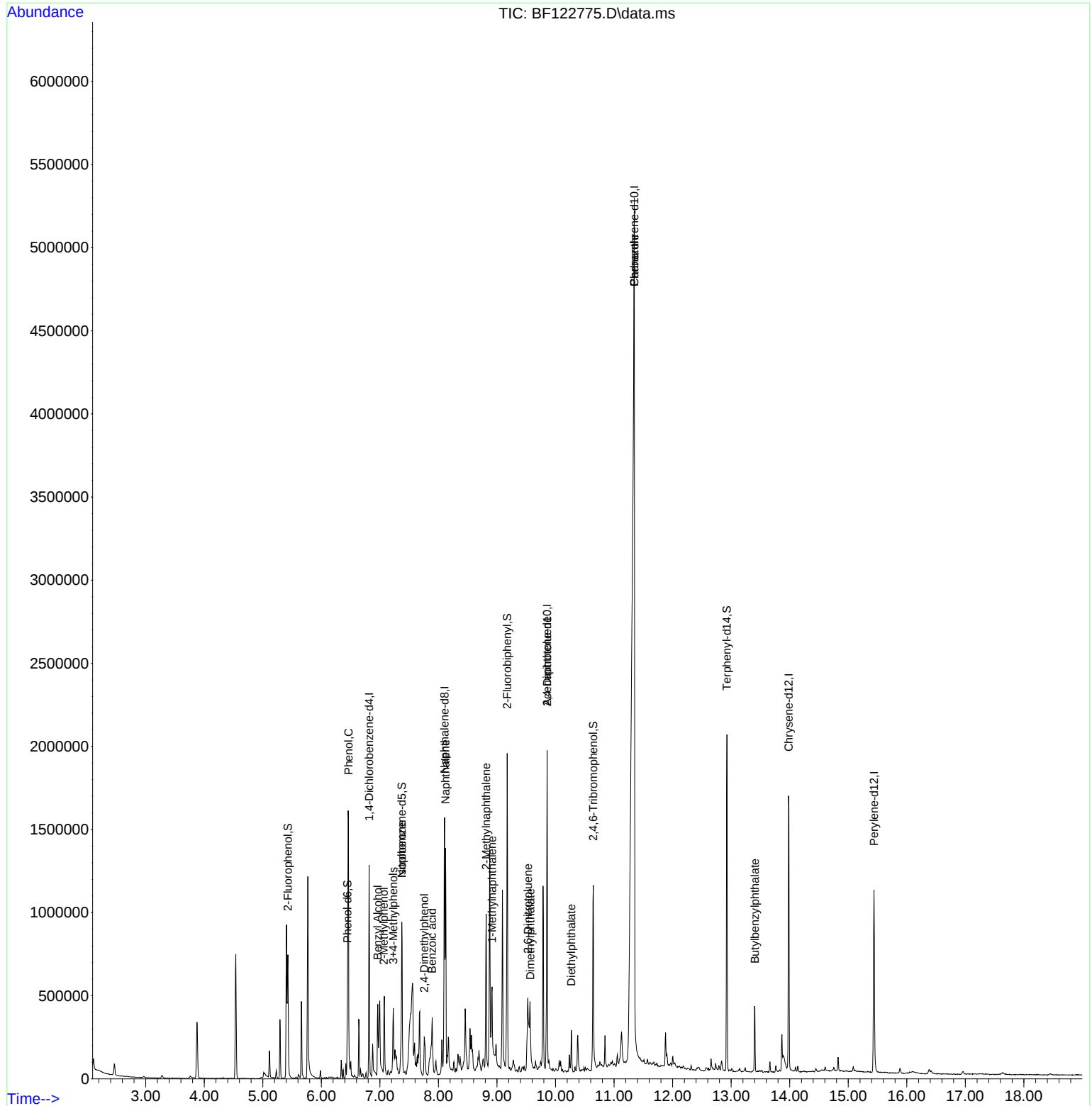
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	192147	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	747818	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	407055	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	540923	20.00	ng	0.00
76) Chrysene-d12	13.980	240	604803	20.00	ng	0.00
86) Perylene-d12	15.439	264	514608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.427	112	184127	15.17	ng	0.00
7) Phenol-d6	6.445	99	138237	8.59	ng	-0.01
23) Nitrobenzene-d5	7.374	82	313793	21.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	174156	32.69	ng	0.00
45) 2-Fluorobiphenyl	9.174	172	647529	21.52	ng	-0.01
79) Terphenyl-d14	12.927	244	637170	18.44	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.463	94	619974	37.17	ng	86
15) Benzyl Alcohol	6.963	79	157716	14.23	ng	96
17) 2-Methylphenol	7.069	107	70350	6.62	ng	99
20) 3+4-Methylphenols	7.227	107	89688	6.68	ng	# 71
25) Isophorone	7.374	82	308343	11.99	ng	# 65
27) 2,4-Dimethylphenol	7.757	122	73540	6.93	ng	96
31) Naphthalene	8.121	128	612977	14.85	ng	100
32) Benzoic acid	7.892	122	113889	13.47	ng	# 13
37) 2-Methylnaphthalene	8.815	142	175003	6.41	ng	96
38) 1-Methylnaphthalene	8.915	142	104149	4.03	ng	98
50) Dimethylphthalate	9.568	163	69484	2.14	ng	# 97
51) 2,6-Dinitrotoluene	9.527	165	30569	4.45	ng	# 14
57) 2,4-Dinitrotoluene	9.857	165	52504	5.74	ng	# 26
60) Diethylphthalate	10.268	149	94939	3.00	ng	98
73) Carbazole	11.345	167	309212	10.70	ng	# 59
80) Butylbenzylphthalate	13.403	149	94488	4.49	ng	92

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

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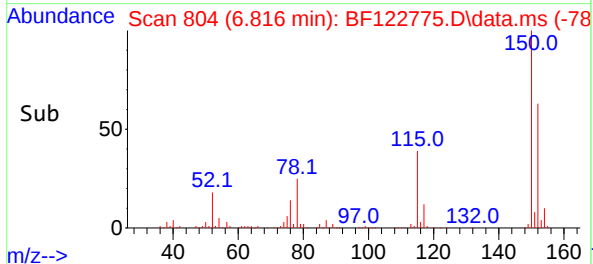
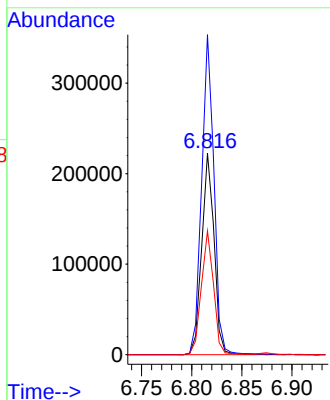
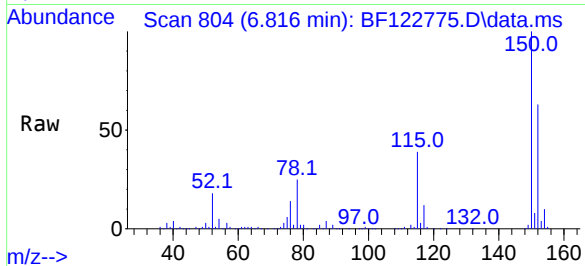




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

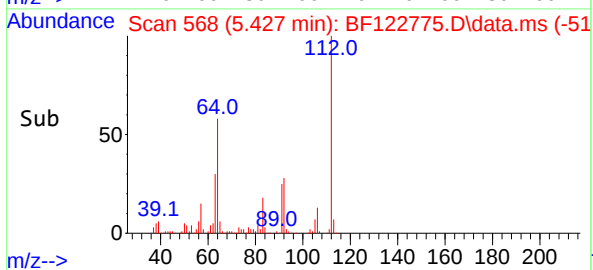
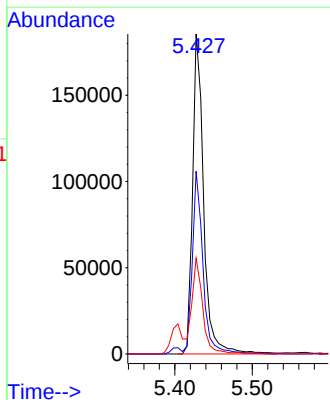
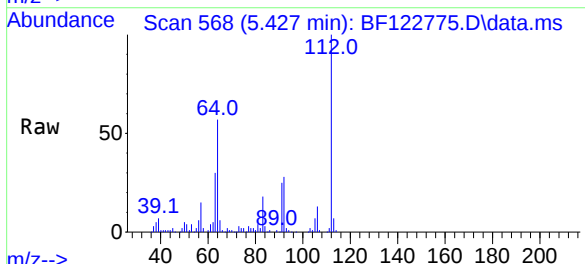
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:152 Resp: 192147
Ion Ratio Lower Upper
152 100
150 158.8 125.8 188.6
115 61.4 49.3 73.9



#5
2-Fluorophenol
Concen: 15.17 ng
RT: 5.427 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:112 Resp: 184127
Ion Ratio Lower Upper
112 100
64 57.1 46.9 70.3
63 30.0 24.5 36.7

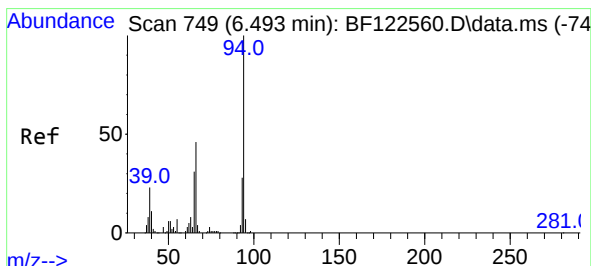
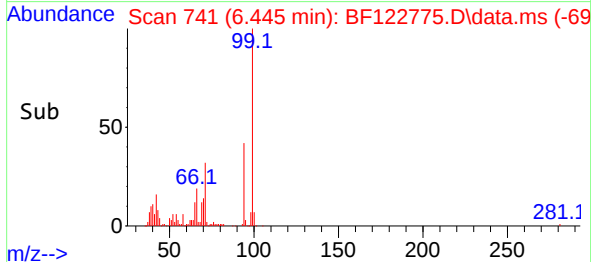
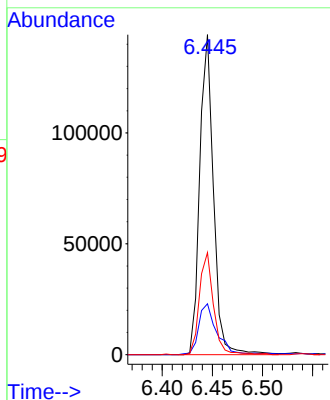
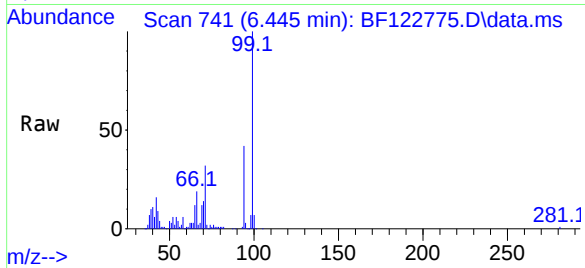




#7
Phenol-d6
Concen: 8.59 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

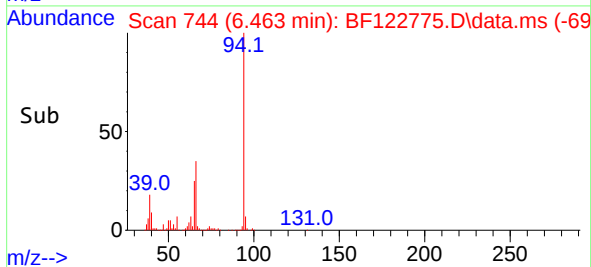
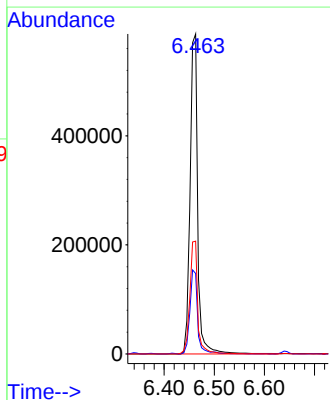
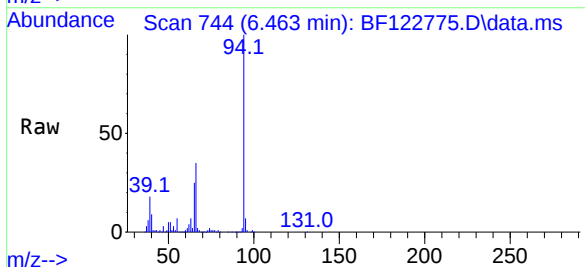
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

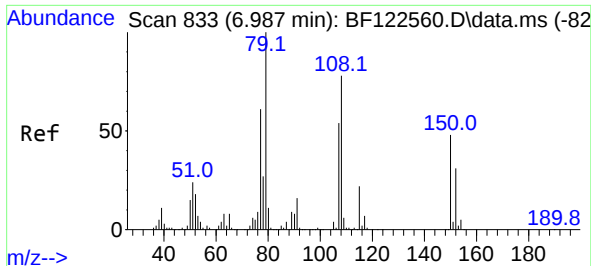
Tgt Ion: 99 Resp: 138237
Ion Ratio Lower Upper
99 100
42 15.9 13.8 20.6
71 31.9 26.9 40.3



#10
Phenol
Concen: 37.17 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion: 94 Resp: 619974
Ion Ratio Lower Upper
94 100
65 25.1 11.2 51.2
66 35.2 25.8 65.8

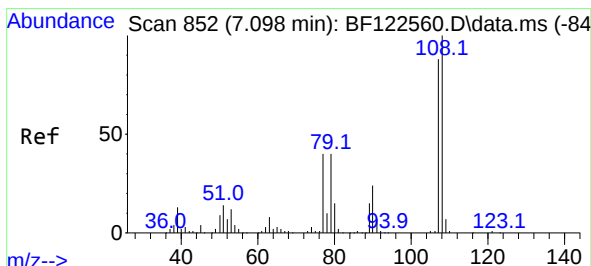
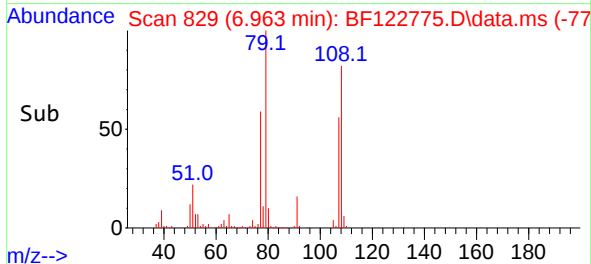
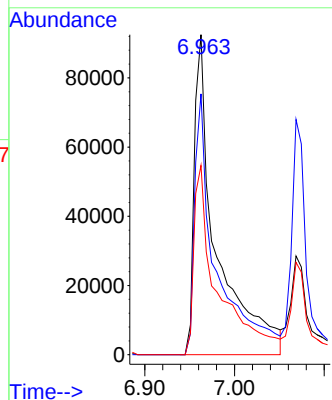
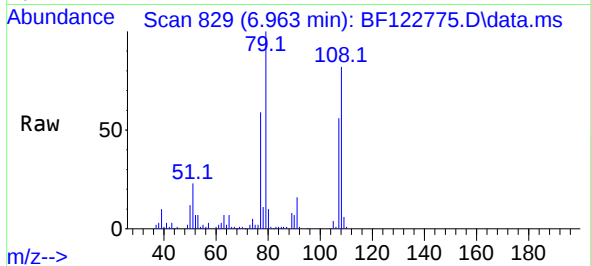




#15
Benzyl Alcohol
Concen: 14.23 ng
RT: 6.963 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

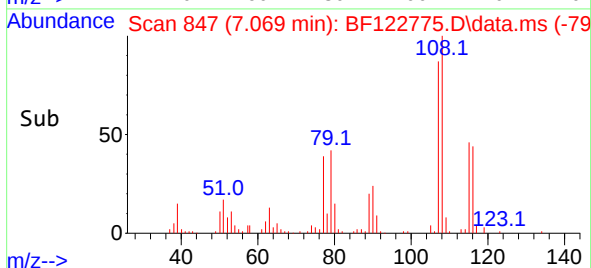
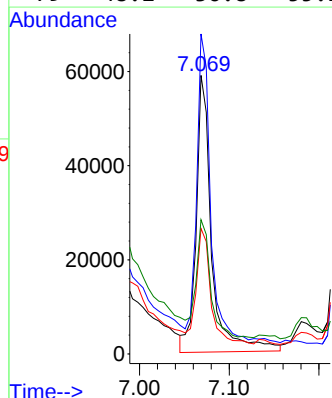
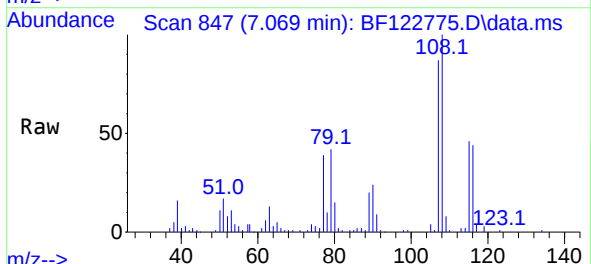
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

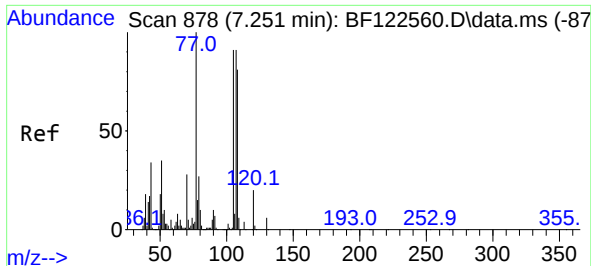
Tgt Ion: 79 Resp: 157716
Ion Ratio Lower Upper
79 100
108 81.5 62.4 93.6
77 59.1 49.0 73.6



#17
2-Methylphenol
Concen: 6.62 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.012 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion: 107 Resp: 70350
Ion Ratio Lower Upper
107 100
108 114.9 91.1 136.7
77 45.1 36.3 54.5
79 48.2 36.8 55.2

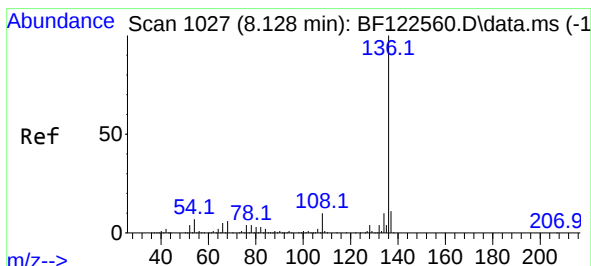
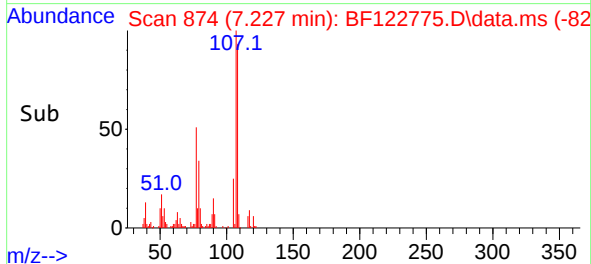
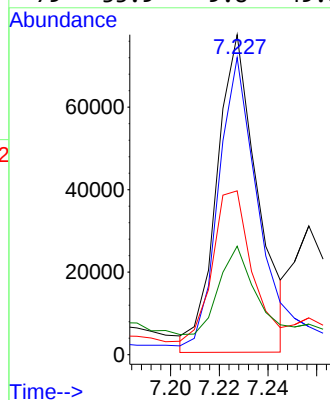
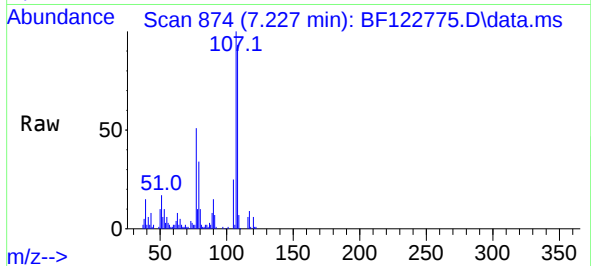




#20
3+4-Methylphenols
Concen: 6.68 ng
RT: 7.227 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

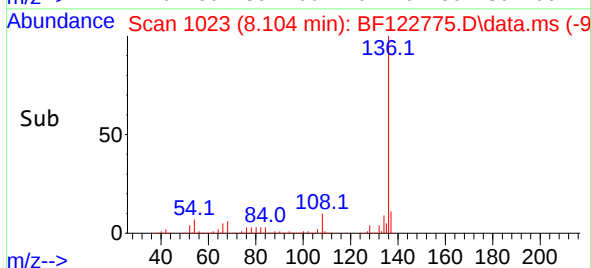
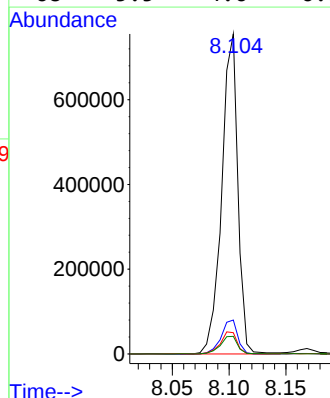
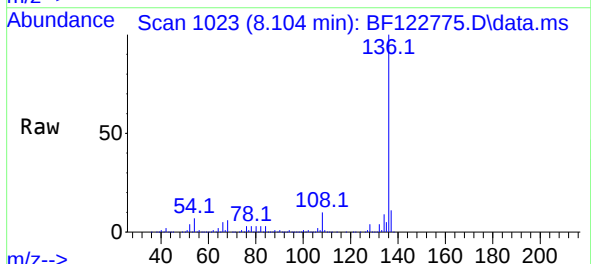
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

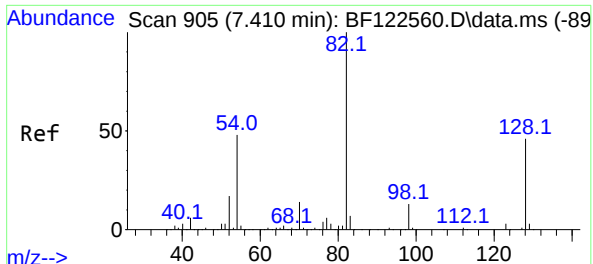
Tgt Ion:	107	Resp:	89688
Ion	Ratio	Lower	Upper
107	100		
108	92.8	68.7	108.7
77	51.2	89.8	129.8#
79	33.9	9.8	49.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:	136	Resp:	747818
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.7	5.5	8.3
68	5.5	4.6	6.8

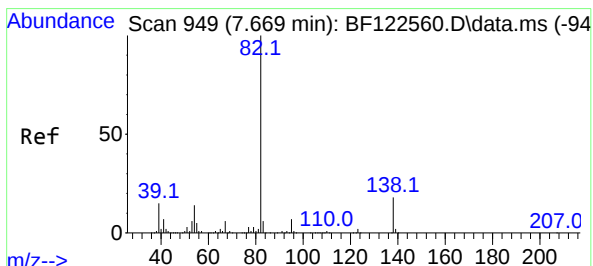
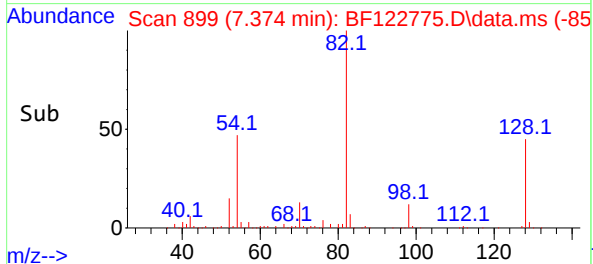
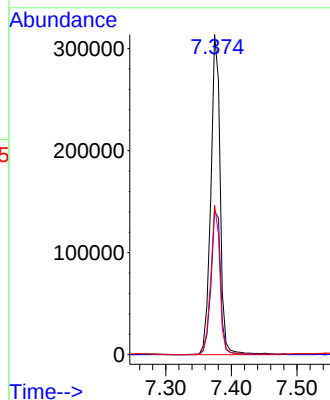
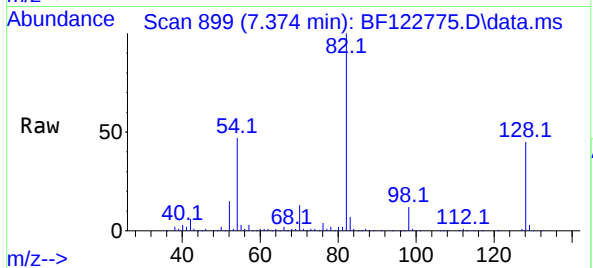




#23
Nitrobenzene-d5
Concen: 21.02 ng
RT: 7.374 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

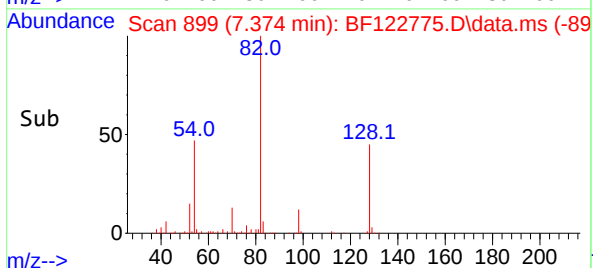
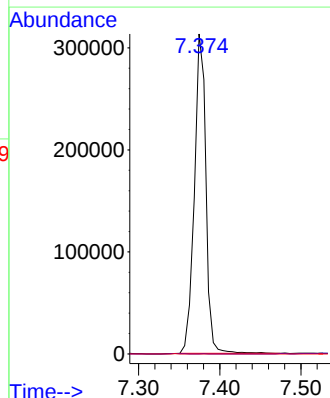
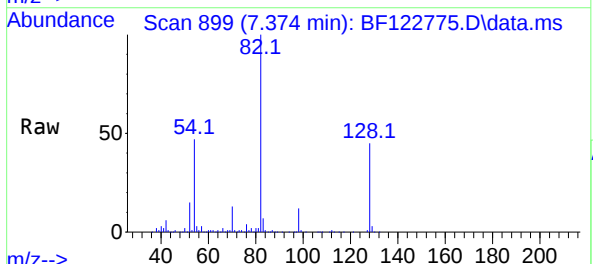
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

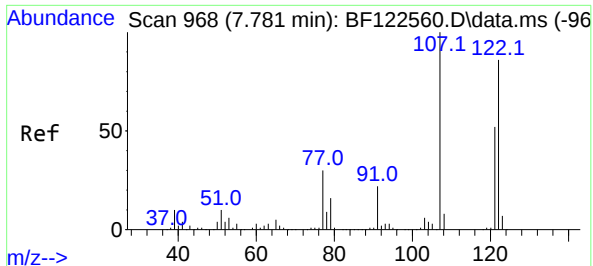
Tgt Ion: 82 Resp: 313793
Ion Ratio Lower Upper
82 100
128 44.8 37.0 55.4
54 46.7 38.4 57.6



#25
Isophorone
Concen: 11.99 ng
RT: 7.374 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion: 82 Resp: 308343
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



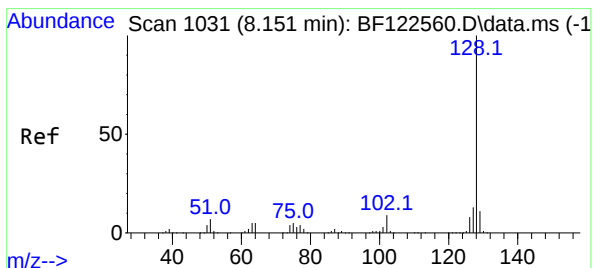
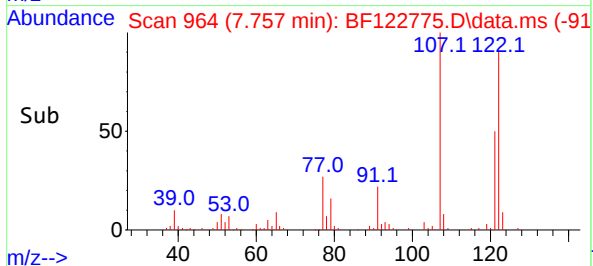
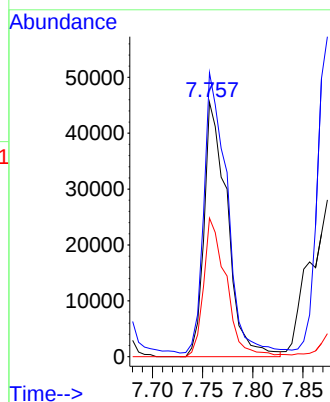
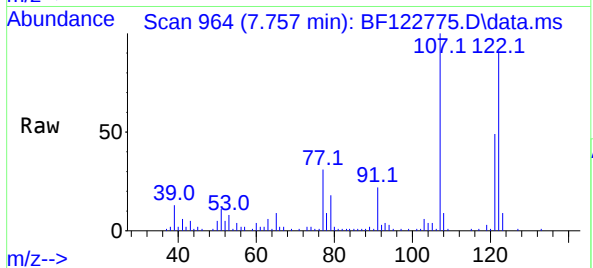


#27
2,4-Dimethylphenol
Concen: 6.93 ng
RT: 7.757 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:122 Resp: 73540

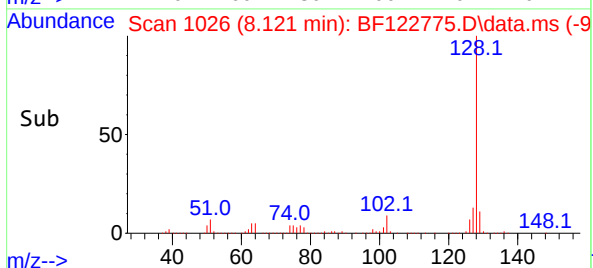
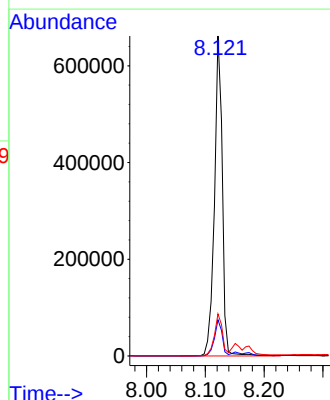
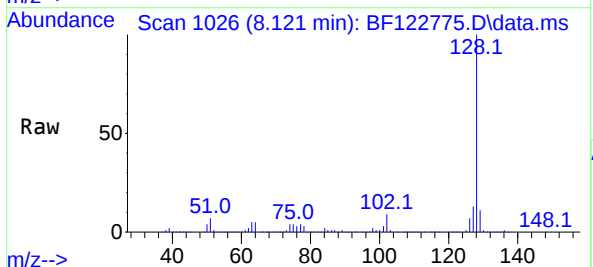
Ion	Ratio	Lower	Upper
122	100		
107	111.6	91.8	137.8
121	54.4	47.3	70.9

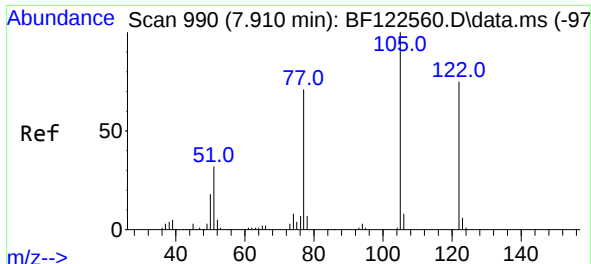


#31
Naphthalene
Concen: 14.85 ng
RT: 8.121 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:128 Resp: 612977

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.1	10.7	16.1

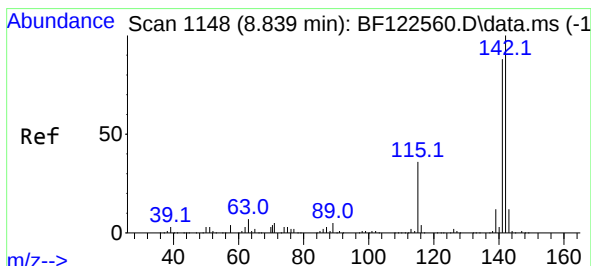
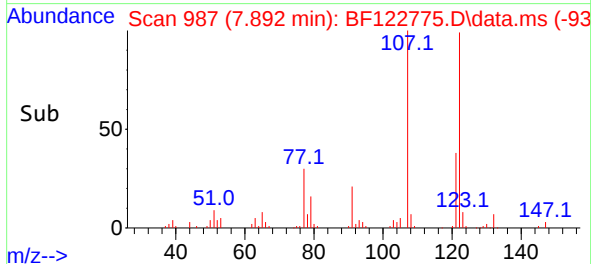
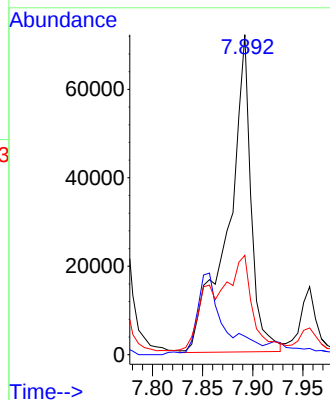
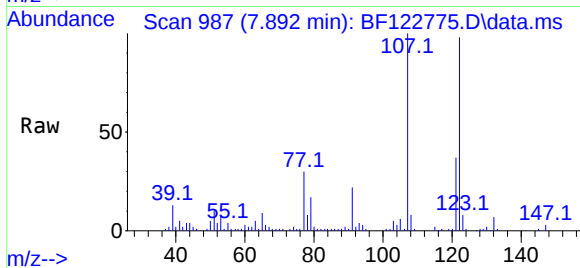




#32
Benzoic acid
Concen: 13.47 ng
RT: 7.892 min Scan# 987
Delta R.T. -0.001 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

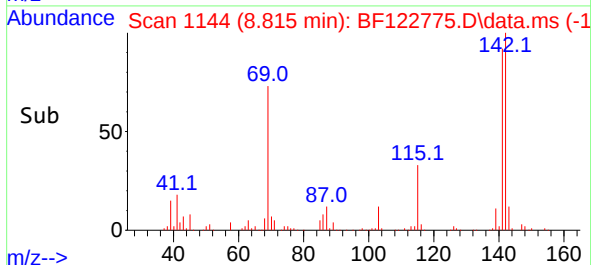
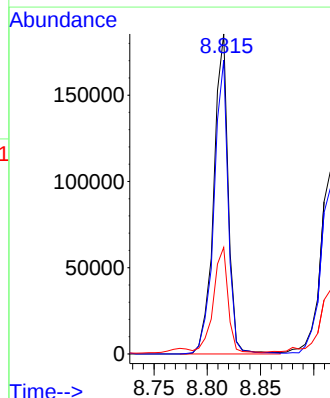
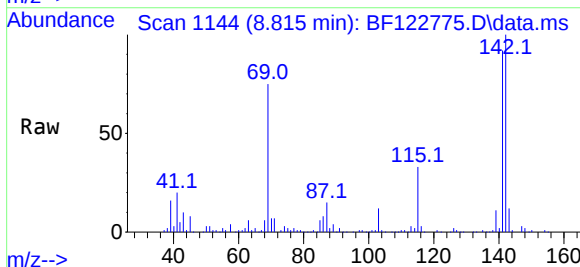
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

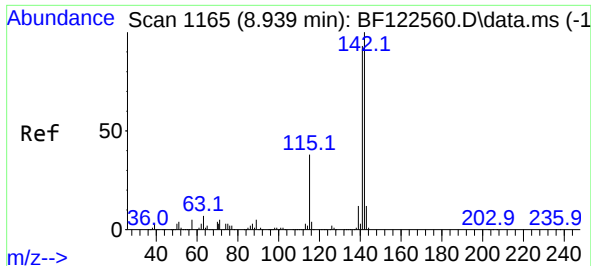
Tgt Ion:122 Resp: 113889
Ion Ratio Lower Upper
122 100
105 5.7 104.8 144.8#
77 31.0 71.0 111.0#



#37
2-Methylnaphthalene
Concen: 6.41 ng
RT: 8.815 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:142 Resp: 175003
Ion Ratio Lower Upper
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141 91.8 70.6 106.0
115 33.3 28.7 43.1

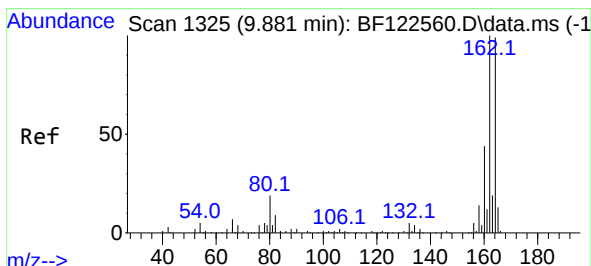
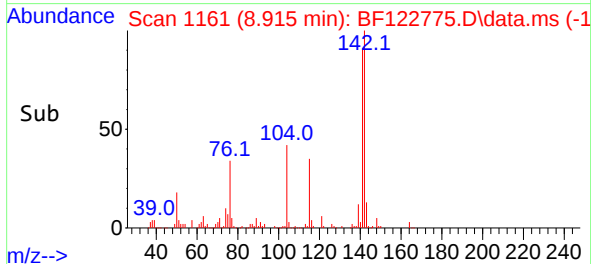
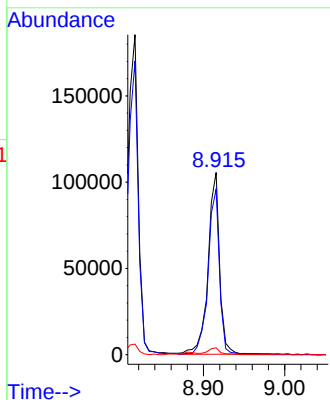
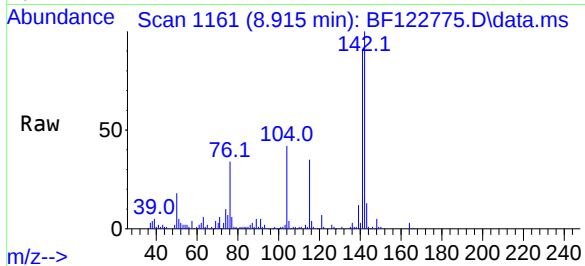




#38
1-Methylnaphthalene
Concen: 4.03 ng
RT: 8.915 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

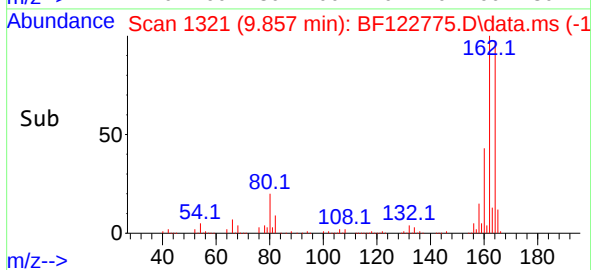
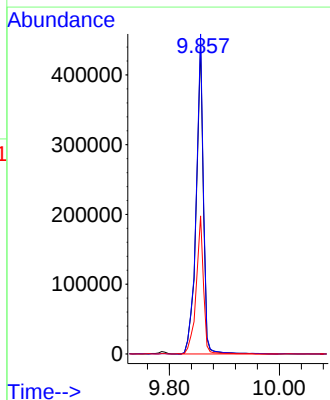
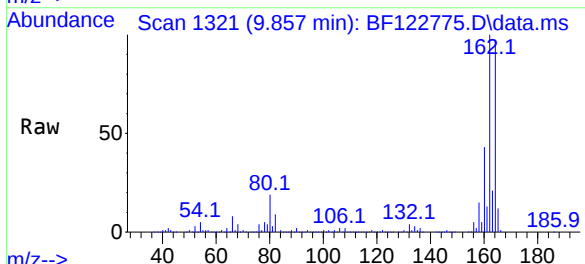
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

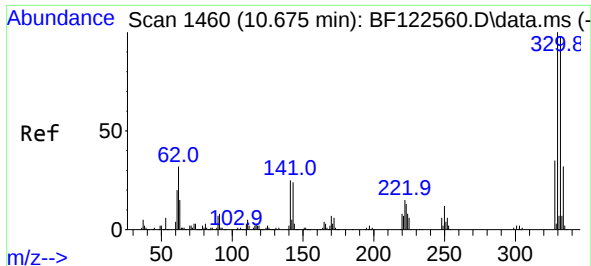
Tgt Ion:142 Resp: 104149
Ion Ratio Lower Upper
142 100
141 90.7 74.5 111.7
116 3.8 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:164 Resp: 407055
Ion Ratio Lower Upper
164 100
162 102.9 80.8 121.2
160 44.4 35.4 53.0

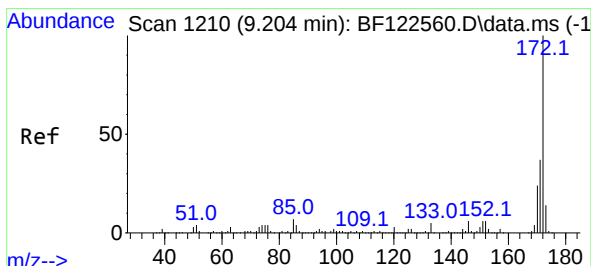
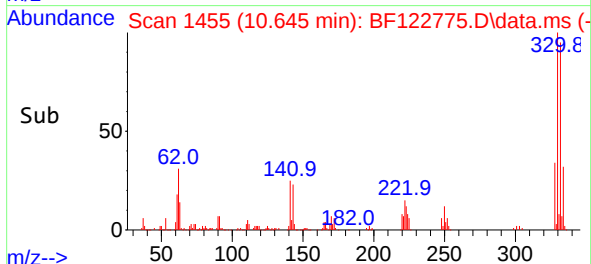
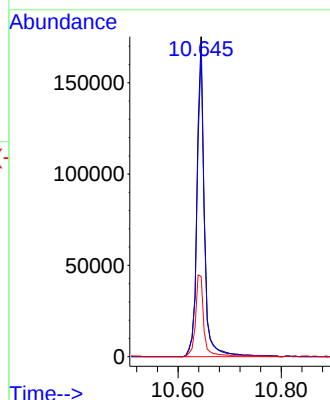
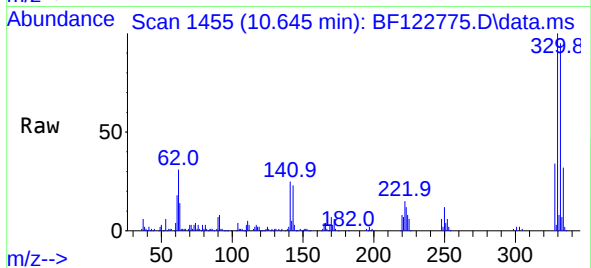




#42
2,4,6-Tribromophenol
Concen: 32.69 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

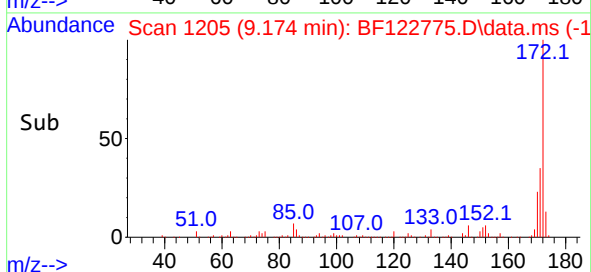
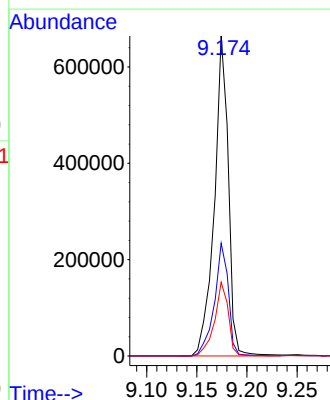
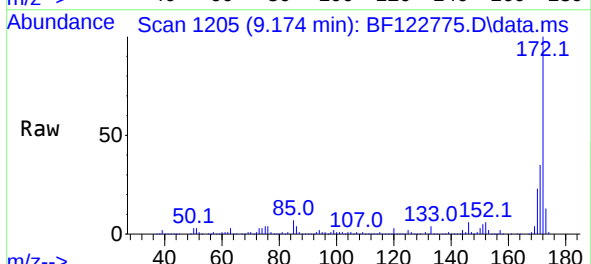
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

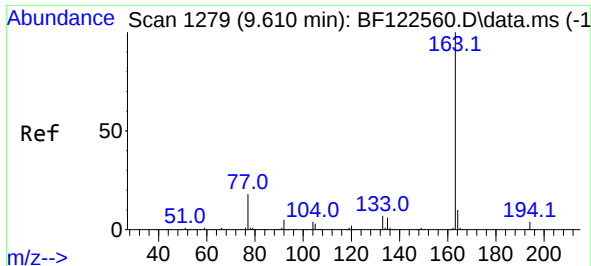
Tgt Ion:330 Resp: 174156
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 28.6 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 21.52 ng
RT: 9.174 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:172 Resp: 647529
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.0 19.5 29.3

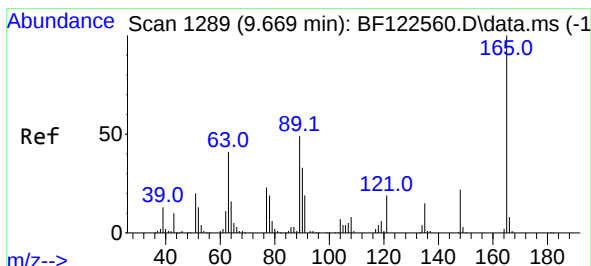
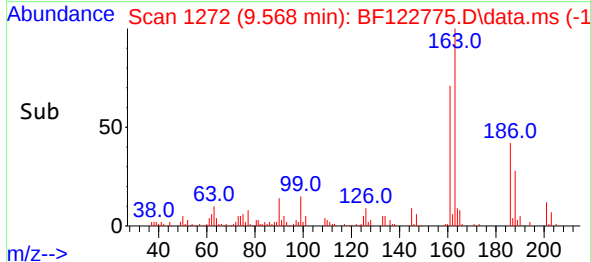
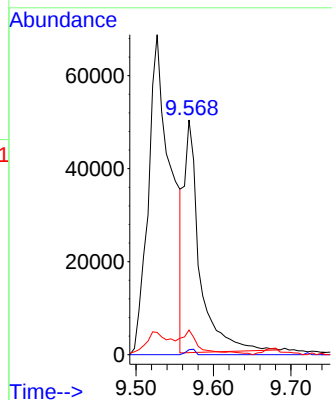
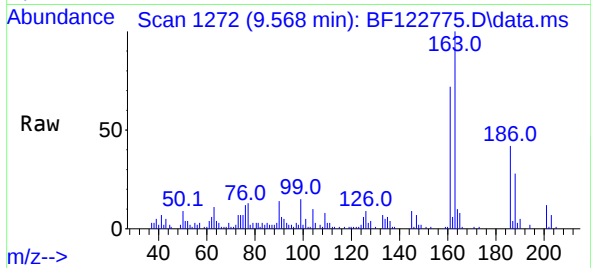




#50
Dimethylphthalate
Concen: 2.14 ng
RT: 9.568 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

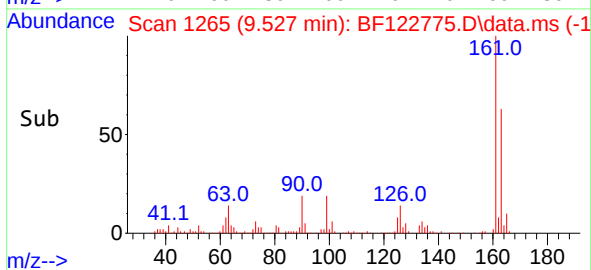
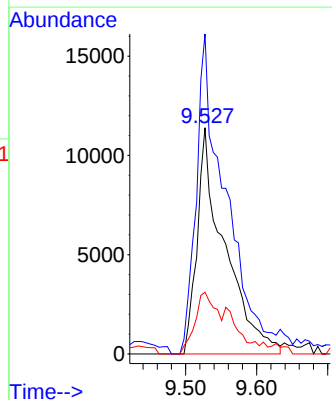
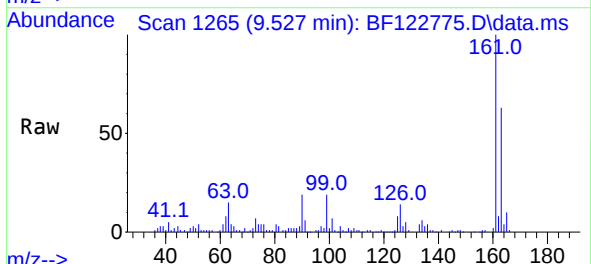
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

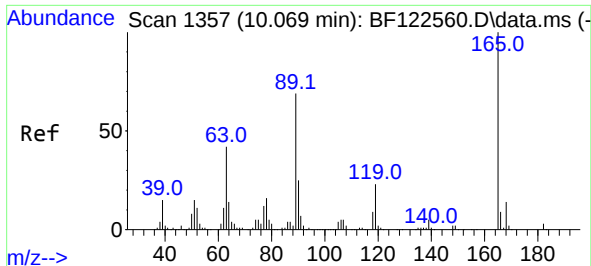
Tgt Ion:163 Resp: 69484
Ion Ratio Lower Upper
163 100
194 2.1 3.4 5.0#
164 10.5 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 4.45 ng
RT: 9.527 min Scan# 1265
Delta R.T. -0.118 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:165 Resp: 30569
Ion Ratio Lower Upper
165 100
63 141.4 36.6 55.0#
89 27.3 39.4 59.0#



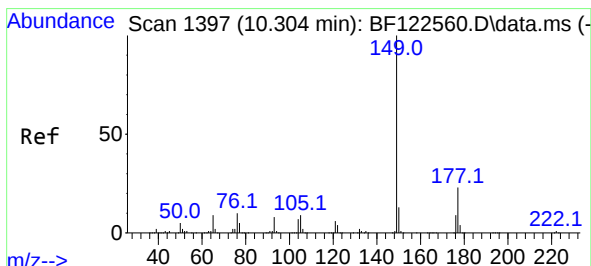
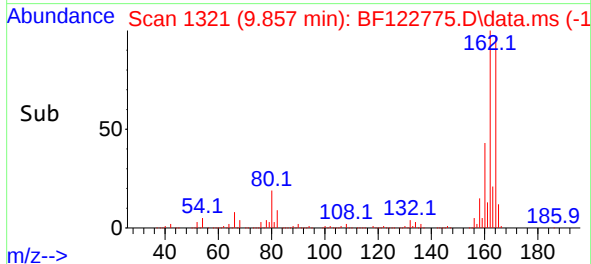
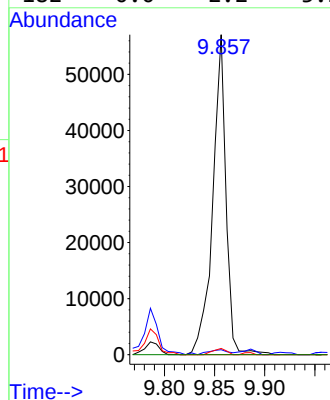
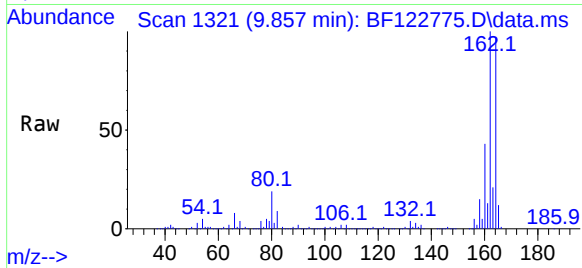


#57
2,4-Dinitrotoluene
Concen: 5.74 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.195 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:165 Resp: 52504

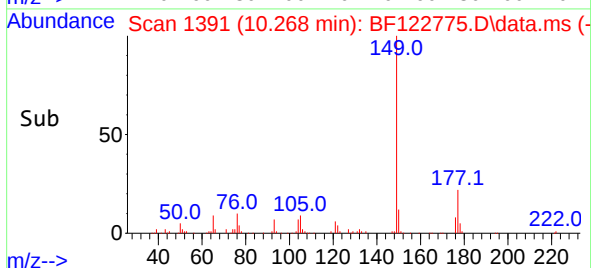
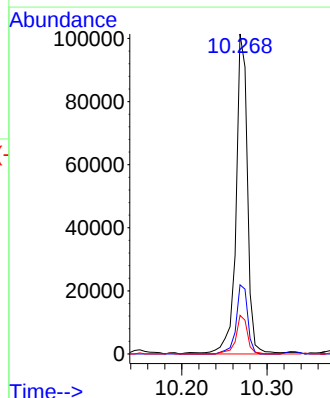
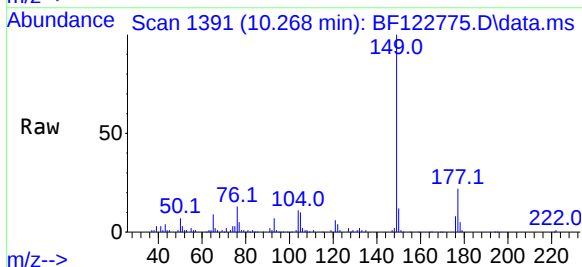
Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	2.0	55.2	82.8#
182	0.0	2.2	3.2#

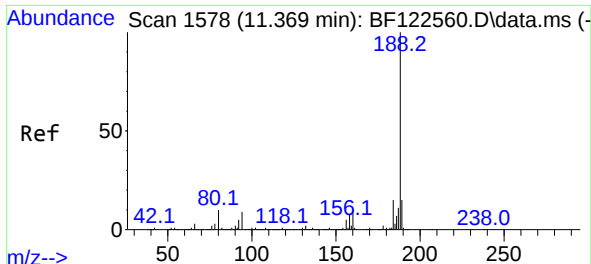


#60
Diethylphthalate
Concen: 3.00 ng
RT: 10.268 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:149 Resp: 94939

Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.2	27.4
150	12.1	10.1	15.1

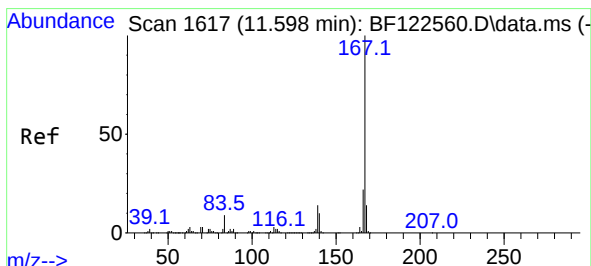
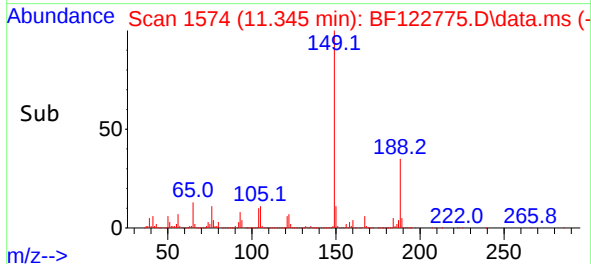
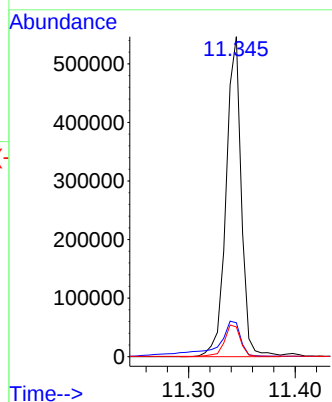
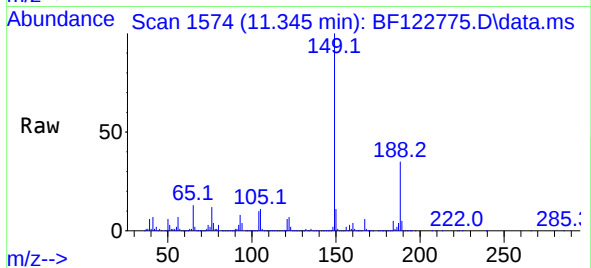




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.001 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

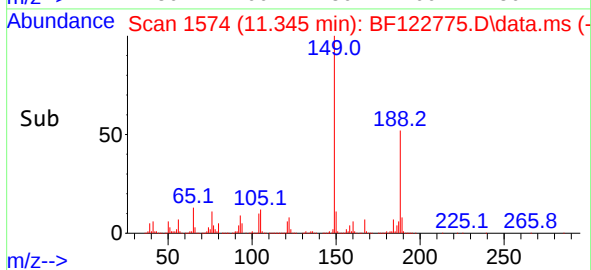
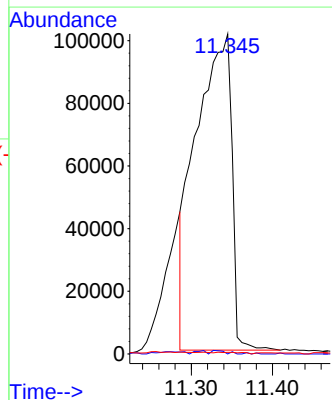
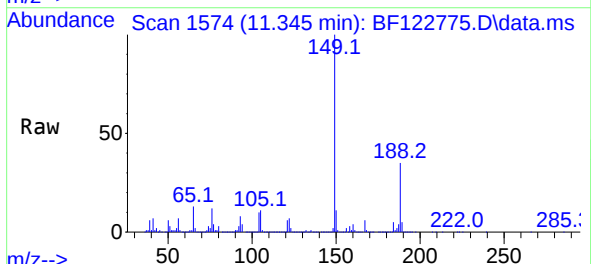
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

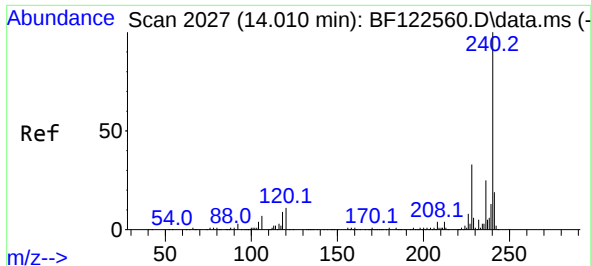
Tgt Ion:188	Resp: 540923
Ion Ratio	Lower Upper
188 100	
94 10.6	7.4 11.2
80 9.3	8.2 12.4



#73
Carbazole
Concen: 10.70 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.230 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:167	Resp: 309212		
Ion Ratio	Lower	Upper	
167 100			
166 0.0	18.0	27.0#	
139 0.5	10.9	16.3#	

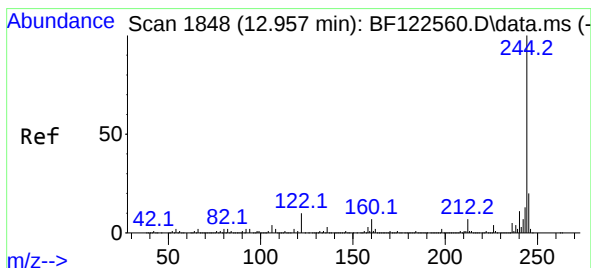
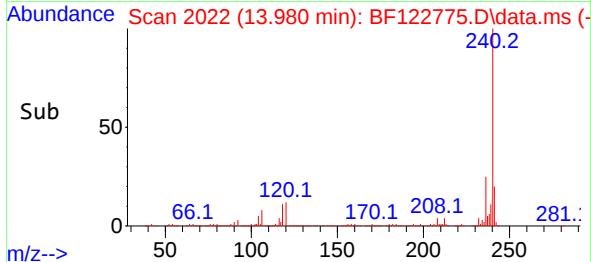
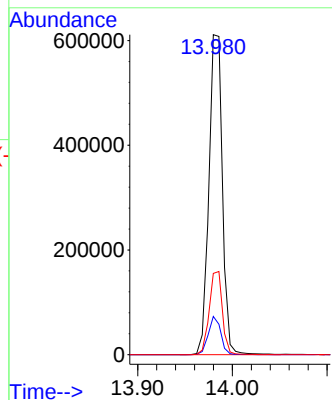
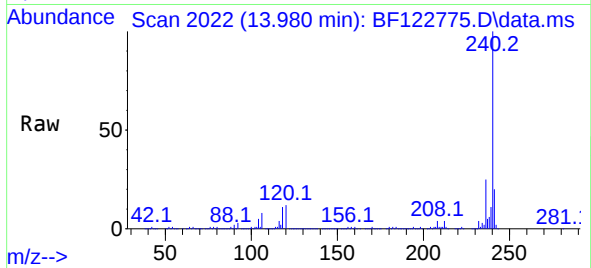




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

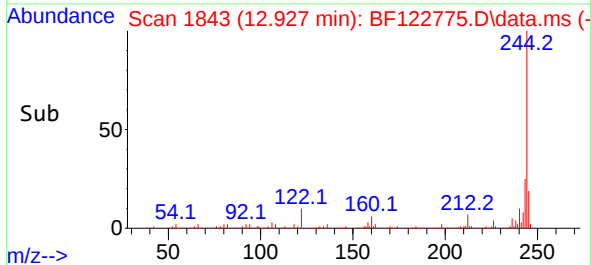
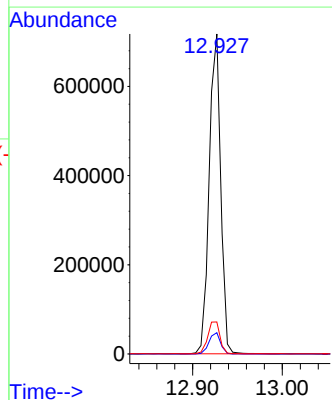
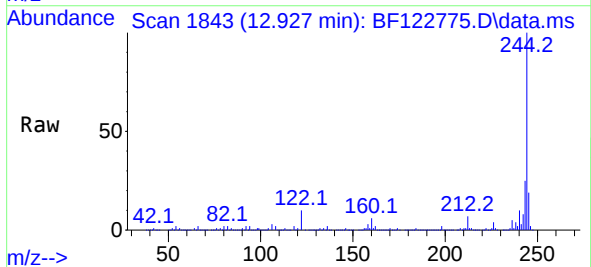
Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

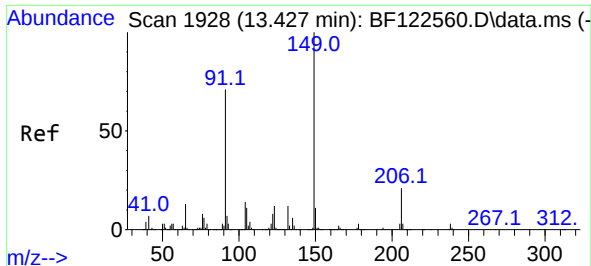
Tgt Ion:240 Resp: 604803
Ion Ratio Lower Upper
240 100
120 12.0 8.6 12.8
236 25.4 20.3 30.5



#79
Terphenyl-d14
Concen: 18.44 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:244 Resp: 637170
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.0 8.3 12.5

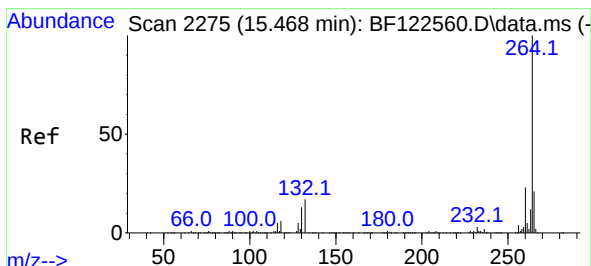
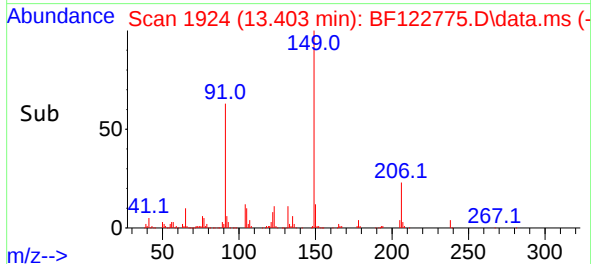
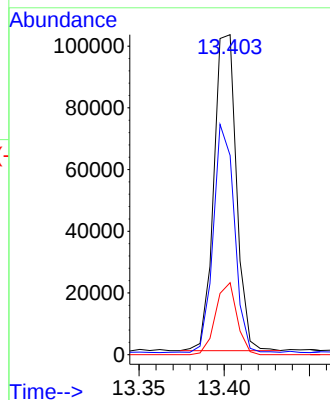
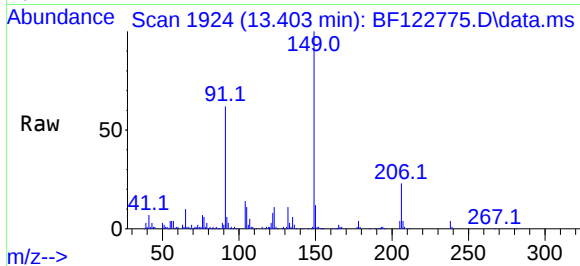




#80
Butylbenzylphthalate
Concen: 4.49 ng
RT: 13.403 min Scan# 1924
Delta R.T. -0.001 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Tgt Ion:	149	Resp:	94488
Ion Ratio	Lower	Upper	
149	100		
91	62.2	56.5	84.7
206	22.5	17.0	25.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF122775.D
Acq: 17 Dec 2020 20:41

Tgt Ion:	264	Resp:	514608
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	28.0
265	21.9	17.0	25.6

