

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121820\
 Data File : BF122789.D
 Acq On : 18 Dec 2020 17:06
 Operator : JU/CG
 Sample : L5115-02RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATERRE

Quant Time: Dec 18 17:40:11 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)

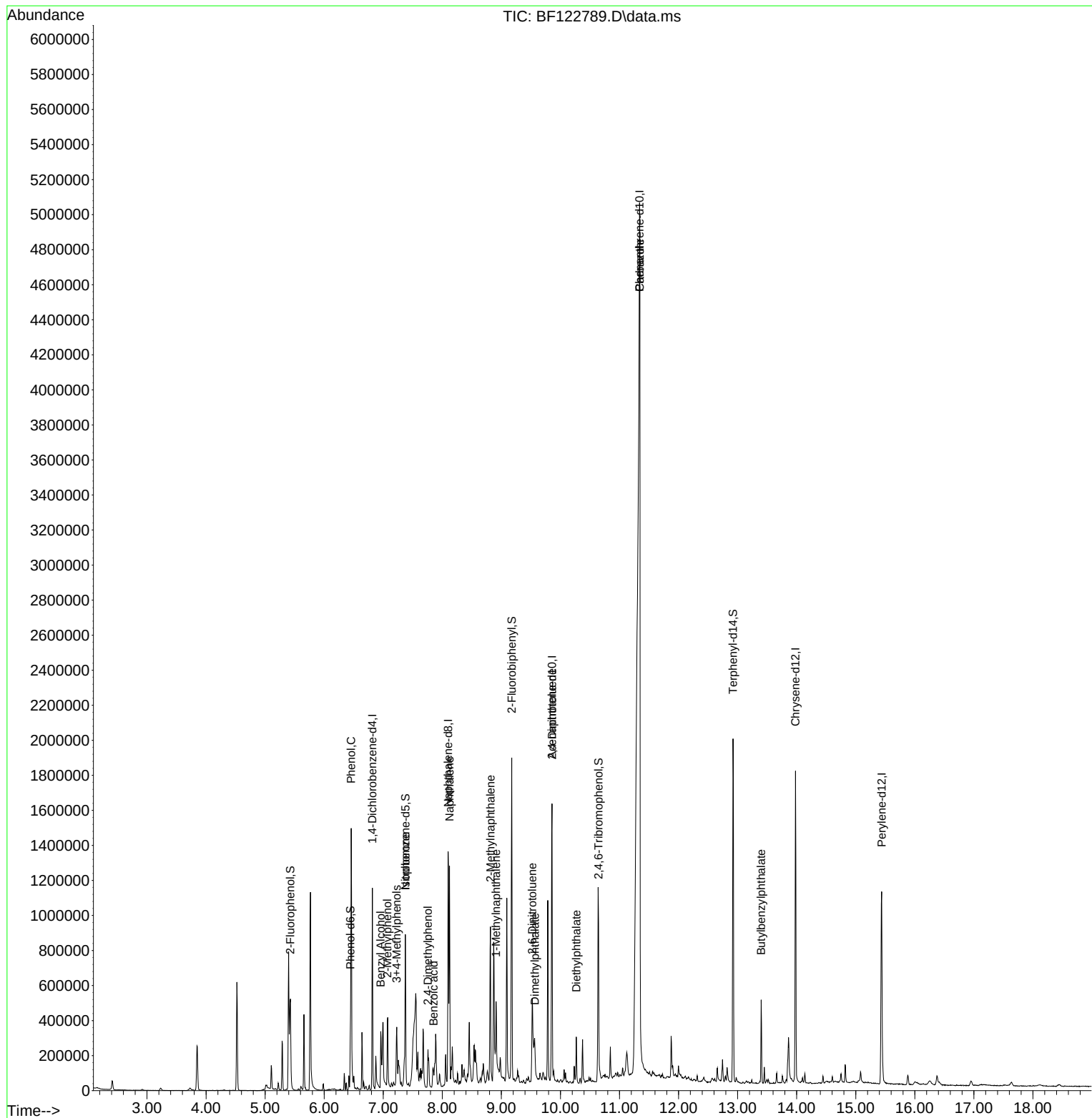
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	162369	20.00	ng	0.00
21) Naphthalene-d8	8.098	136	632409	20.00	ng	-0.01
39) Acenaphthene-d10	9.857	164	354607	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	495216	20.00	ng	# 0.00
76) Chrysene-d12	13.980	240	618245	20.00	ng	0.00
86) Perylene-d12	15.439	264	565783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	150181	14.64	ng	0.00
7) Phenol-d6	6.445	99	112982	8.31	ng	-0.01
23) Nitrobenzene-d5	7.375	82	261706	20.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	158657	34.18	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	568386	21.68	ng	-0.01
79) Terphenyl-d14	12.921	244	649822	18.40	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.457	94	514701	36.52	ng	88
15) Benzyl Alcohol	6.957	79	123981	13.24	ng	100
17) 2-Methylphenol	7.069	107	55654	6.19	ng	99
20) 3+4-Methylphenols	7.228	107	73957	6.51	ng	# 71
25) Isophorone	7.375	82	261488	12.03	ng	# 65
27) 2,4-Dimethylphenol	7.757	122	61008	6.80	ng	97
31) Naphthalene	8.122	128	514648	14.75	ng	100
32) Benzoic acid	7.851	122	17073	2.39	ng	98
37) 2-Methylnaphthalene	8.816	142	149592	6.48	ng	98
38) 1-Methylnaphthalene	8.910	142	92674	4.24	ng	99
50) Dimethylphthalate	9.569	163	56796	2.01	ng	# 98
51) 2,6-Dinitrotoluene	9.522	165	27541	4.60	ng	# 9
57) 2,4-Dinitrotoluene	9.857	165	45588	5.72	ng	# 26
60) Diethylphthalate	10.269	149	87161	3.16	ng	99
73) Carbazole	11.345	167	323649	12.23	ng	# 58
80) Butylbenzylphthalate	13.398	149	98043	4.55	ng	99

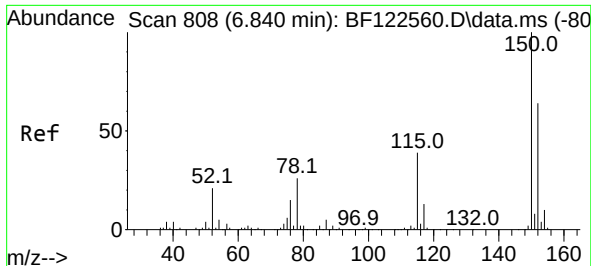
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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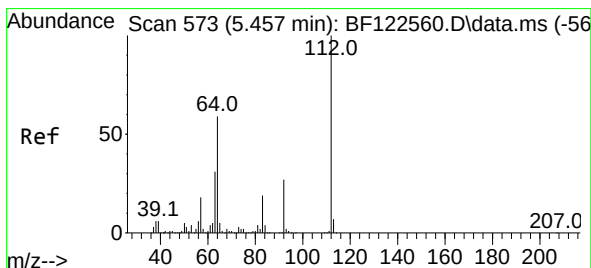
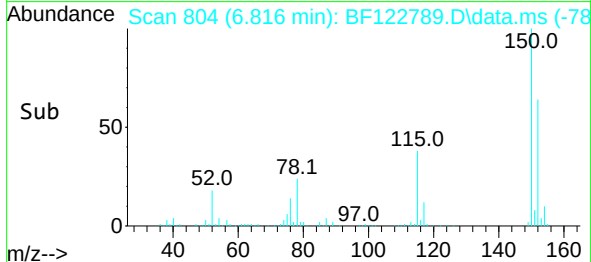
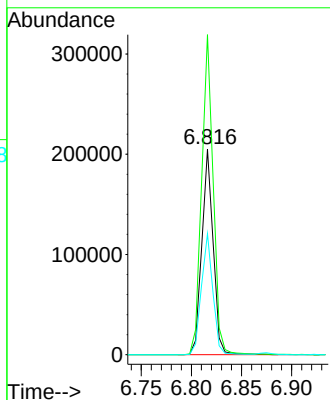
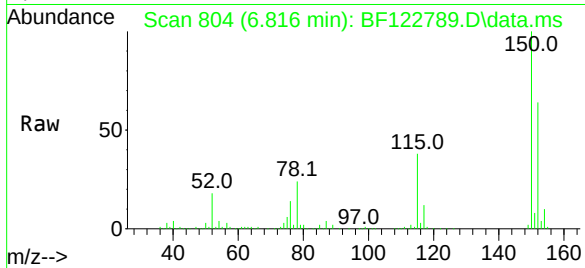




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

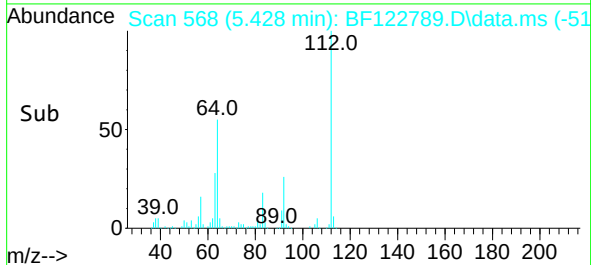
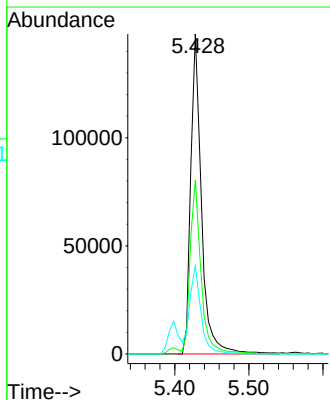
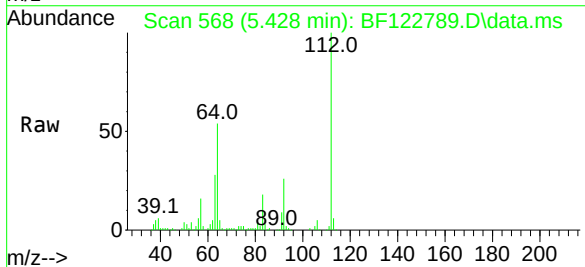
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

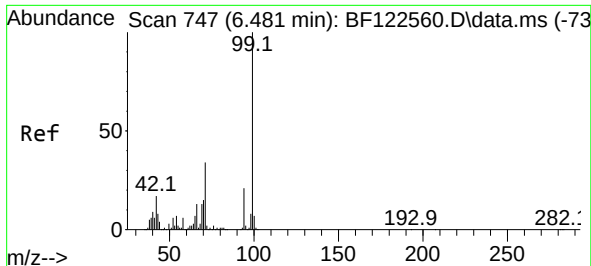
Tgt Ion:152 Resp: 162369
Ion Ratio Lower Upper
152 100
150 155.7 125.8 188.6
115 58.8 49.3 73.9



#5
2-Fluorophenol
Concen: 14.64 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:112 Resp: 150181
Ion Ratio Lower Upper
112 100
64 54.3 46.9 70.3
63 27.5 24.5 36.7

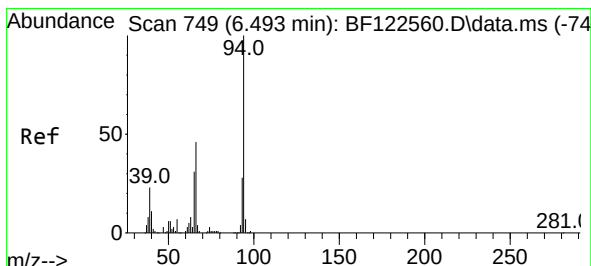
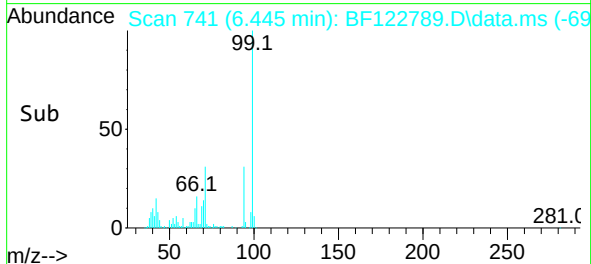
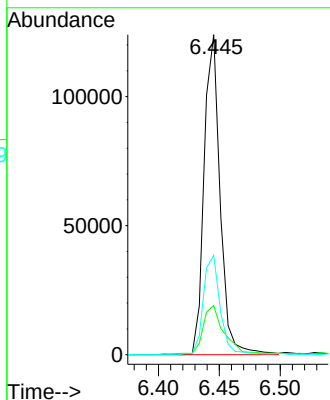
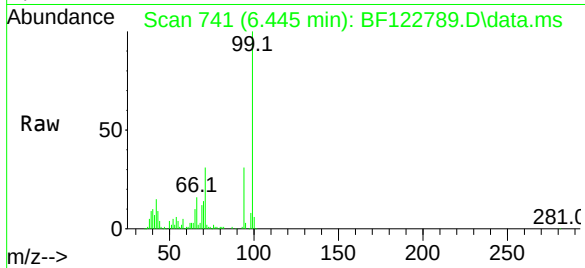




#7
Phenol-d6
Concen: 8.31 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

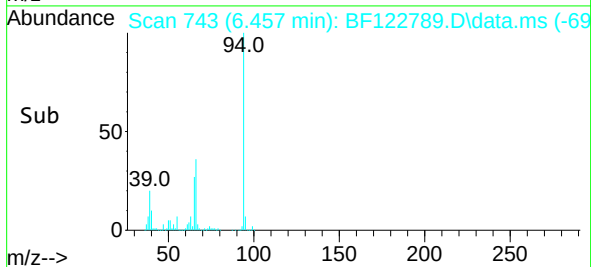
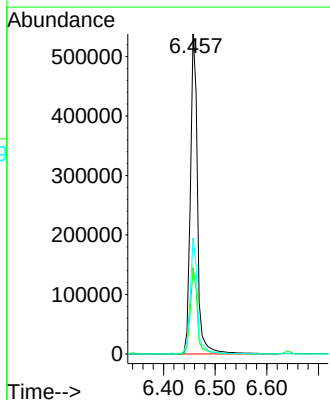
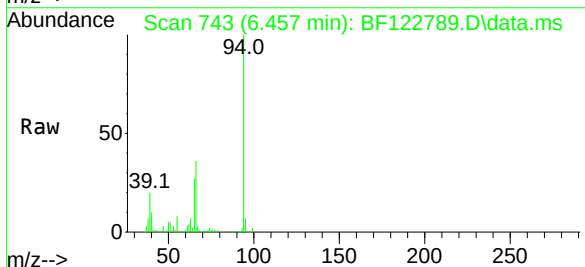
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

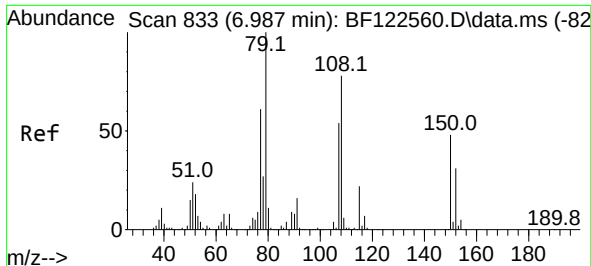
Tgt Ion: 99 Resp: 112982
Ion Ratio Lower Upper
99 100
42 15.4 13.8 20.6
71 31.1 26.9 40.3



#10
Phenol
Concen: 36.52 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion: 94 Resp: 514701
Ion Ratio Lower Upper
94 100
65 26.9 11.2 51.2
66 36.3 25.8 65.8

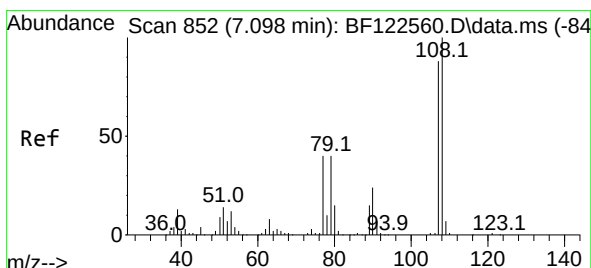
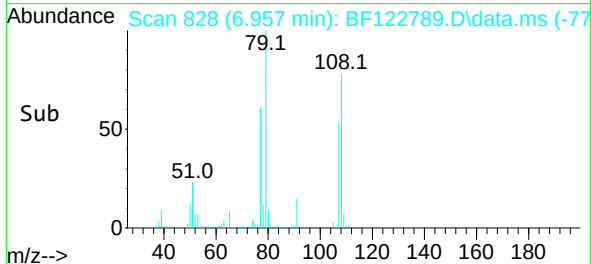
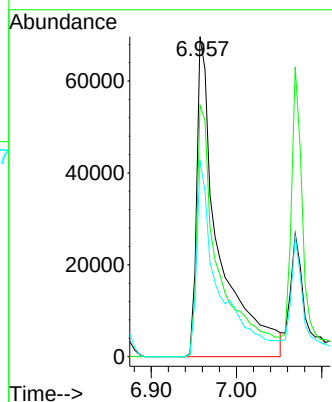
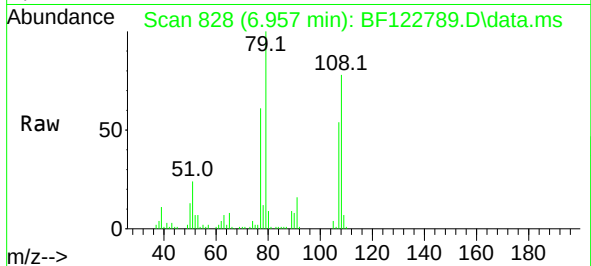




#15
Benzyl Alcohol
Concen: 13.24 ng
RT: 6.957 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

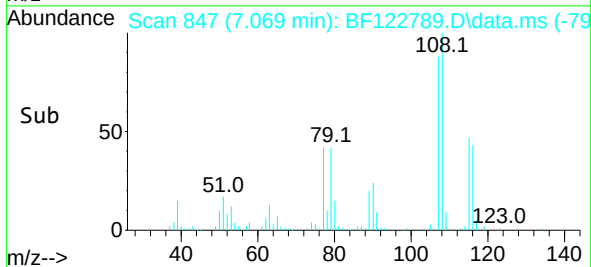
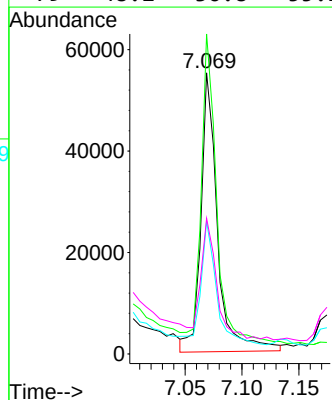
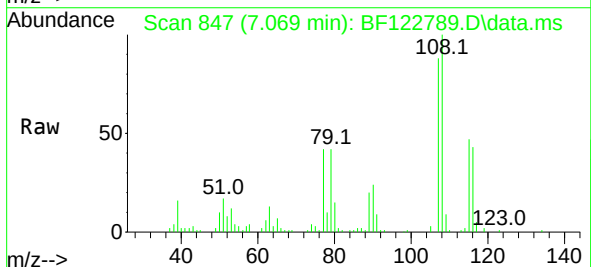
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

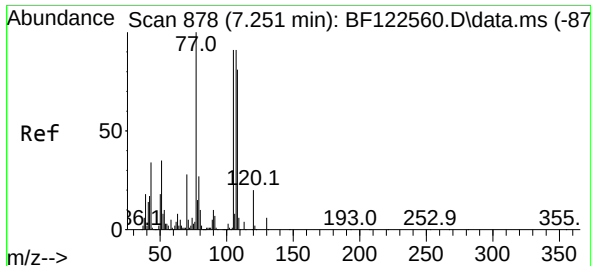
Tgt Ion: 79 Resp: 123981
Ion Ratio Lower Upper
79 100
108 78.5 62.4 93.6
77 61.3 49.0 73.6



#17
2-Methylphenol
Concen: 6.19 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion: 107 Resp: 55654
Ion Ratio Lower Upper
107 100
108 113.8 91.1 136.7
77 47.2 36.3 54.5
79 48.2 36.8 55.2



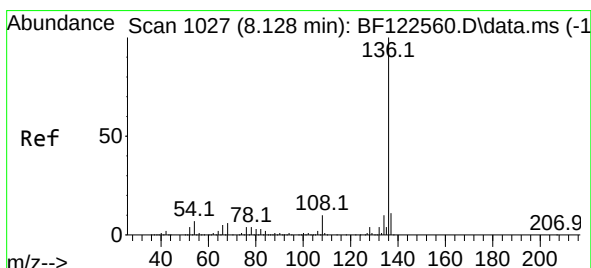
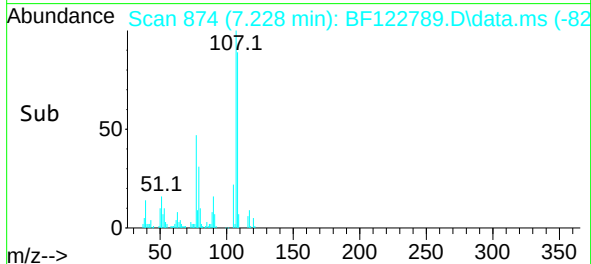
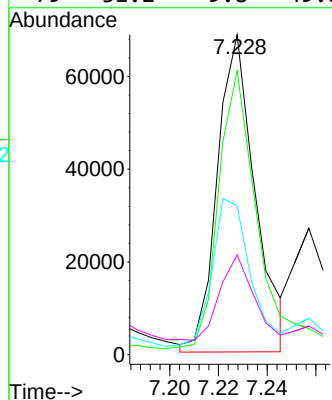
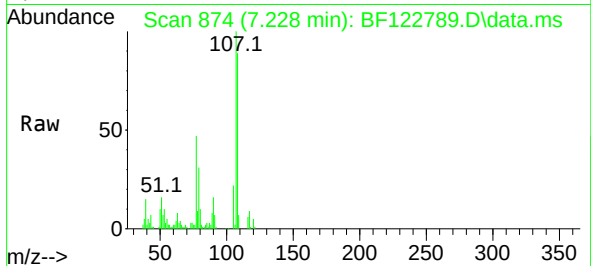


#20
3+4-Methylphenols
Concen: 6.51 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

Tgt Ion:107 Resp: 73957

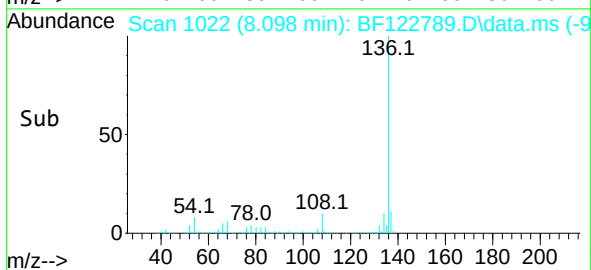
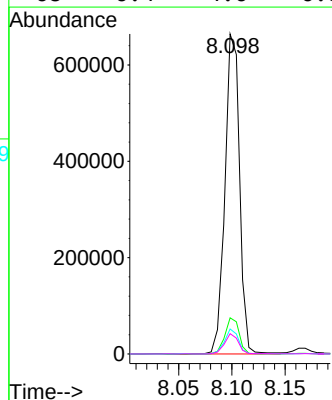
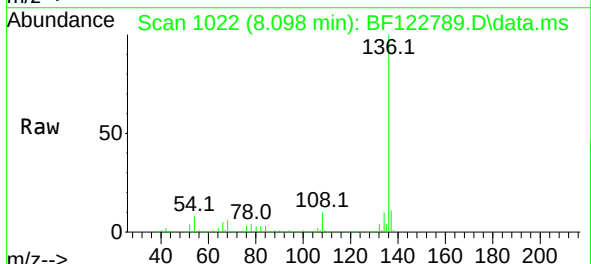
Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.7	108.7
77	46.5	89.8	129.8#
79	31.2	9.8	49.8

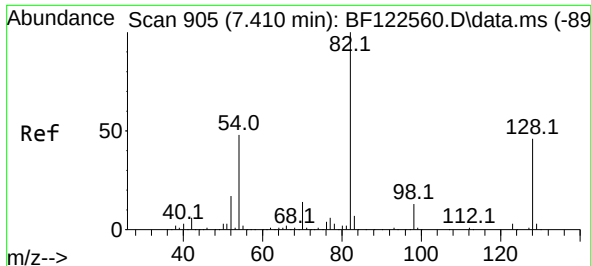


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:136 Resp: 632409

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.8	5.5	8.3
68	6.4	4.6	6.8

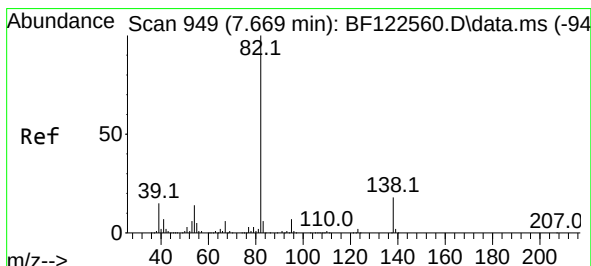
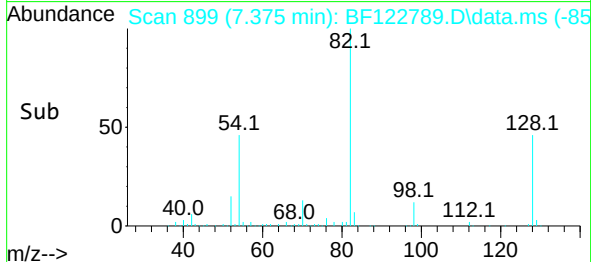
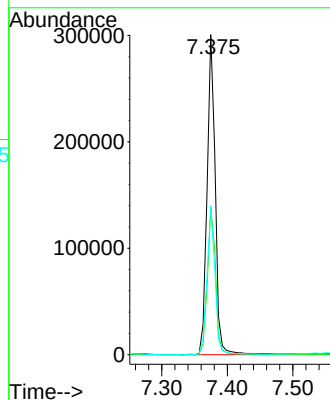
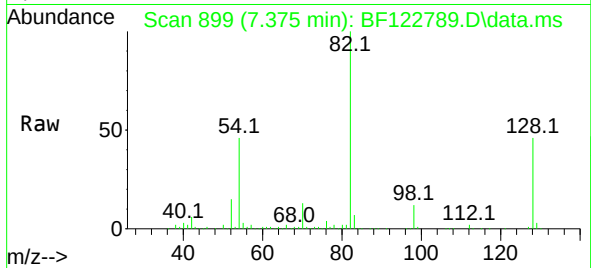




#23
Nitrobenzene-d5
Concen: 20.73 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

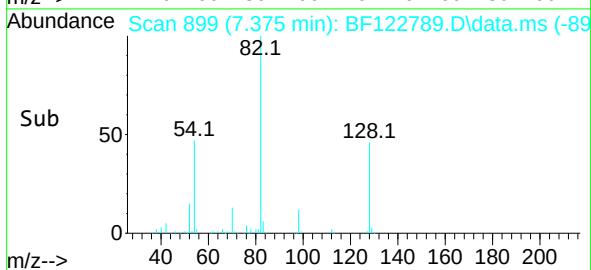
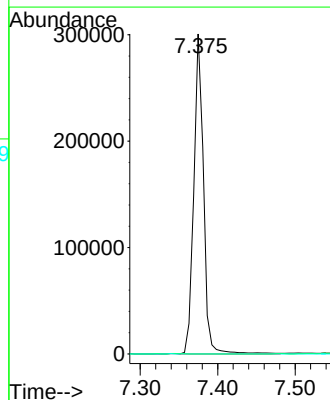
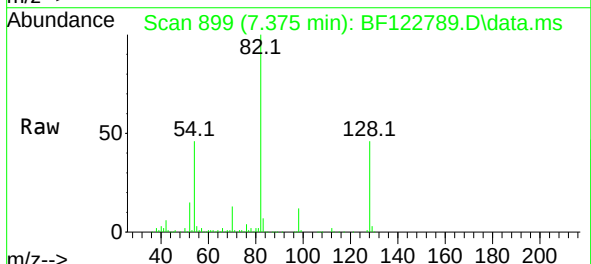
Instrument :
BNA_F
ClientSampleId :
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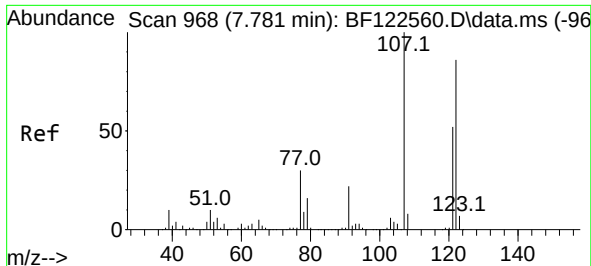
Tgt Ion: 82 Resp: 261706
Ion Ratio Lower Upper
82 100
128 45.8 37.0 55.4
54 46.5 38.4 57.6



#25
Isophorone
Concen: 12.03 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion: 82 Resp: 261488
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

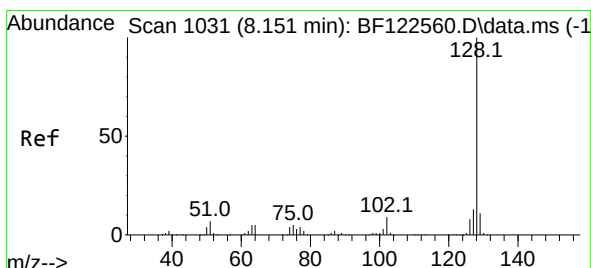
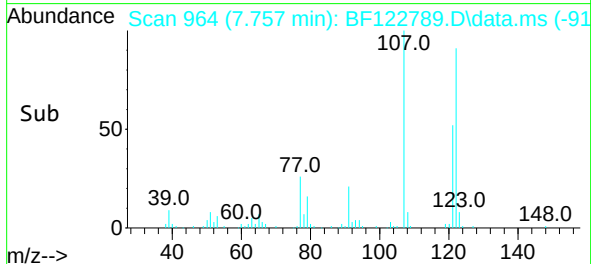
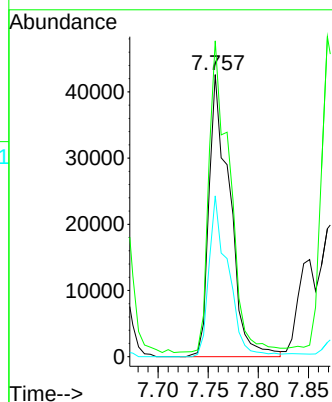
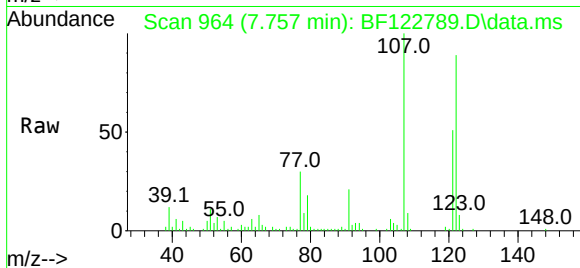




#27
2,4-Dimethylphenol
Concen: 6.80 ng
RT: 7.757 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

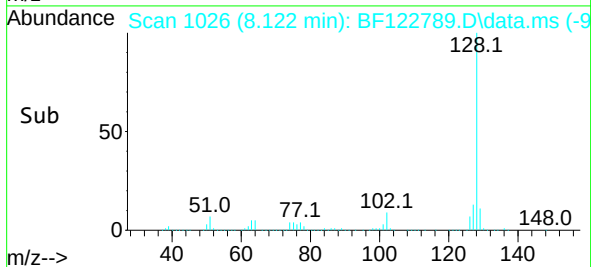
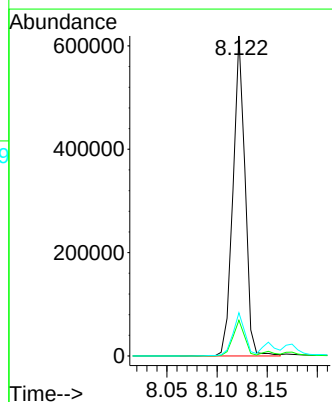
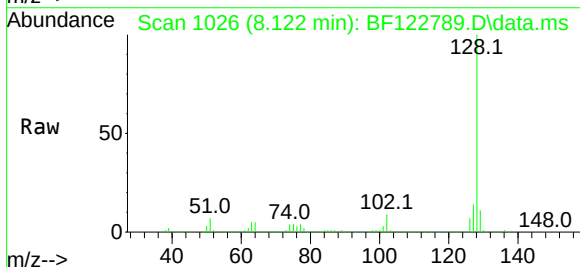
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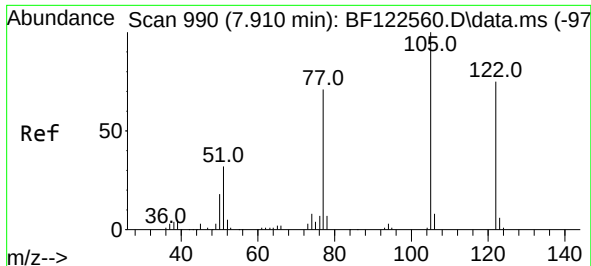
Tgt Ion:122 Resp: 61008
Ion Ratio Lower Upper
122 100
107 112.0 91.8 137.8
121 57.0 47.3 70.9



#31
Naphthalene
Concen: 14.75 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:128 Resp: 514648
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.7 16.1

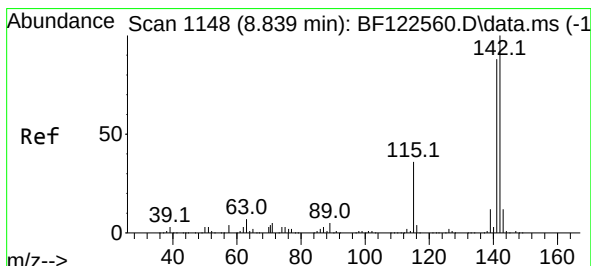
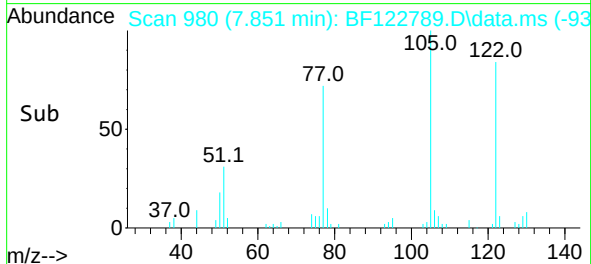
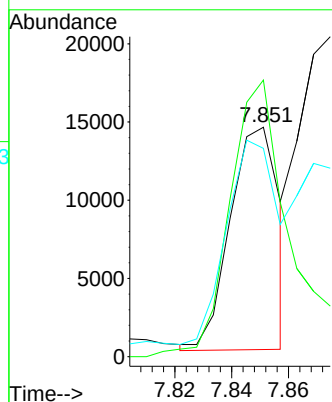
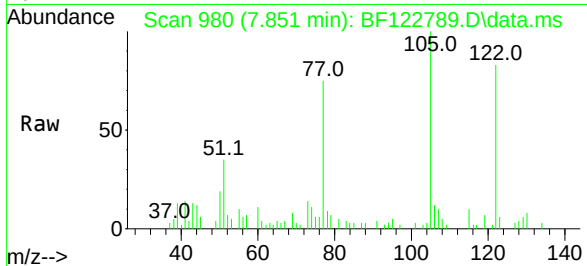




#32
Benzoic acid
Concen: 2.39 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.041 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

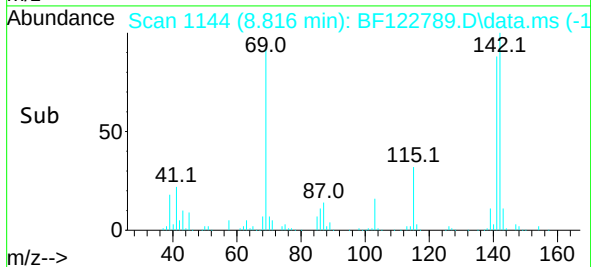
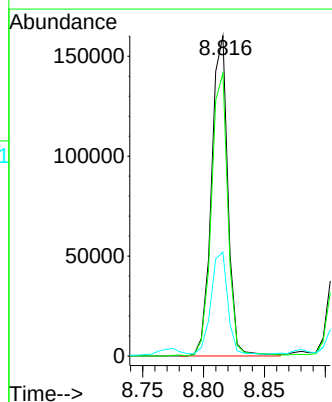
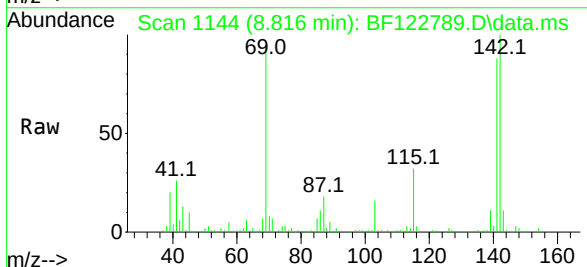
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

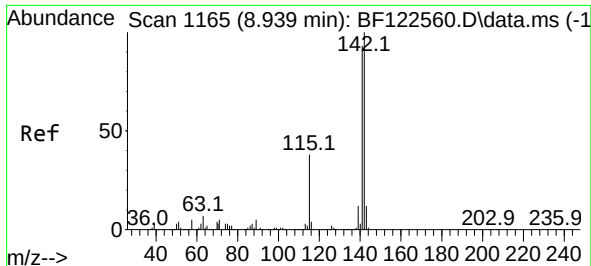
Tgt Ion:122 Resp: 17073
Ion Ratio Lower Upper
122 100
105 120.6 104.8 144.8
77 90.8 71.0 111.0



#37
2-Methylnaphthalene
Concen: 6.48 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:142 Resp: 149592
Ion Ratio Lower Upper
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141 88.3 70.6 106.0
115 32.4 28.7 43.1

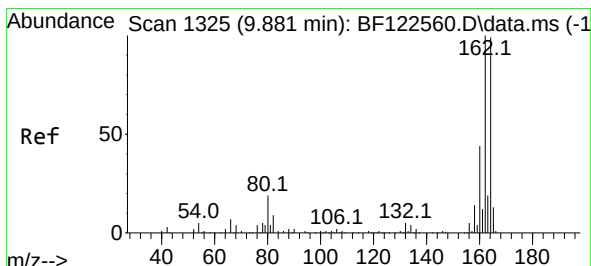
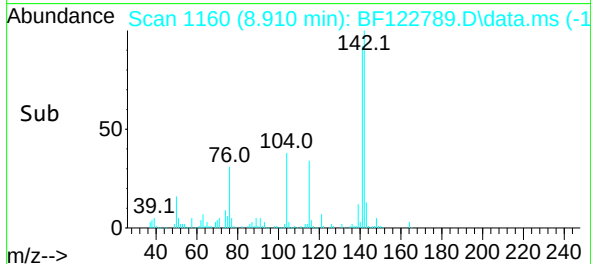
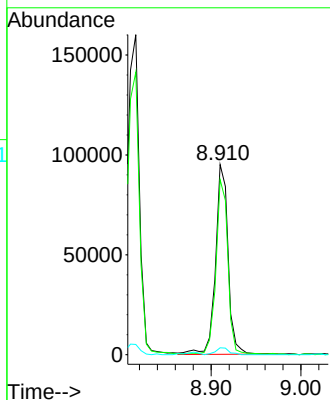
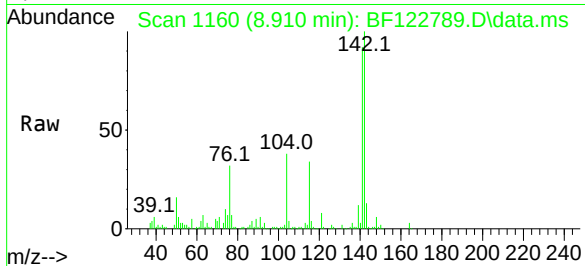




#38
1-Methylnaphthalene
Concen: 4.24 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

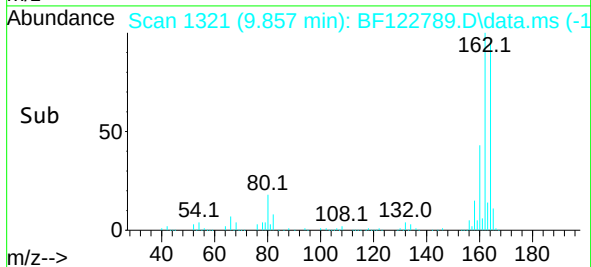
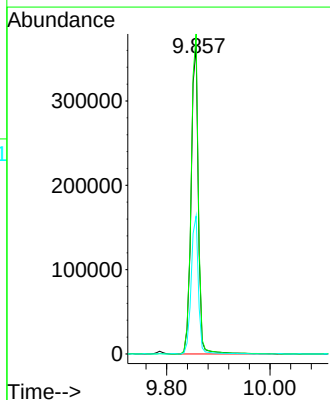
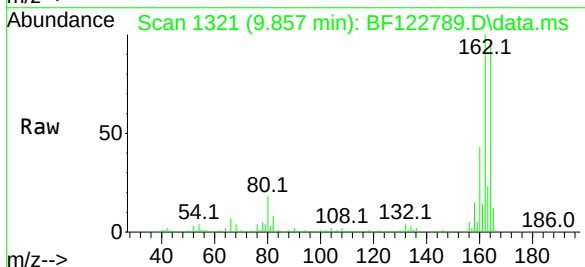
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

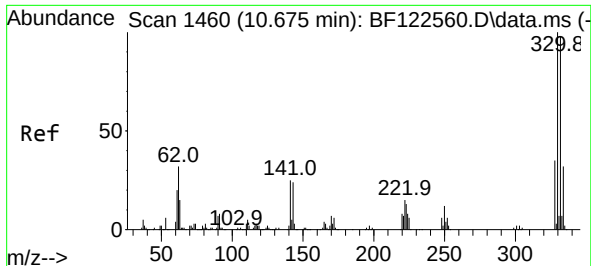
Tgt Ion:142 Resp: 92674
Ion Ratio Lower Upper
142 100
141 92.1 74.5 111.7
116 3.6 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:164 Resp: 354607
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 44.8 35.4 53.0

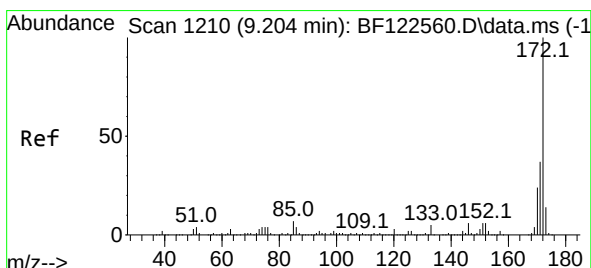
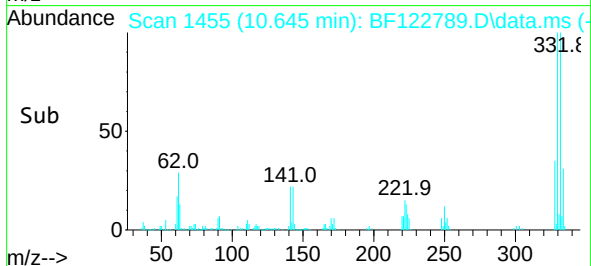
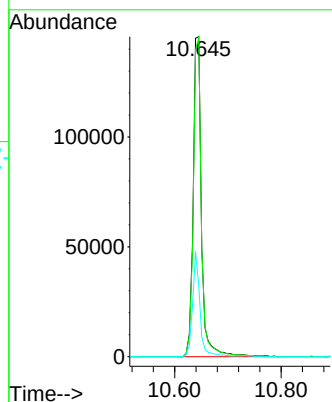
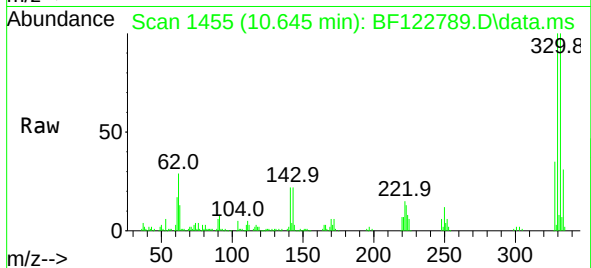




#42
2,4,6-Tribromophenol
Concen: 34.18 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

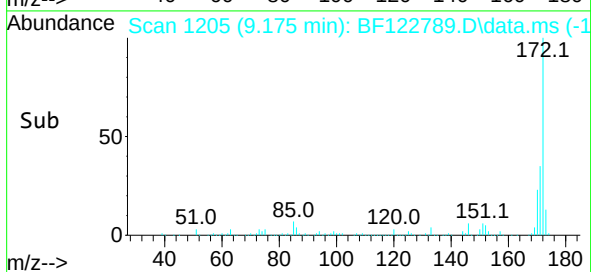
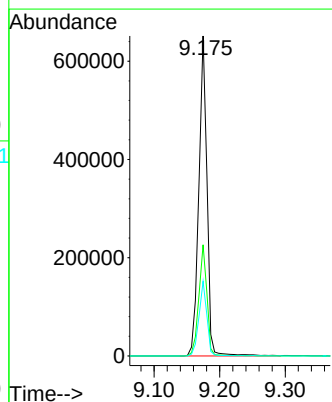
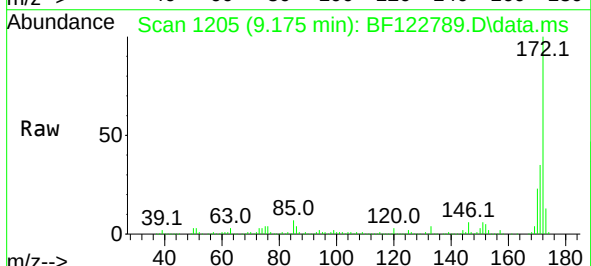
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

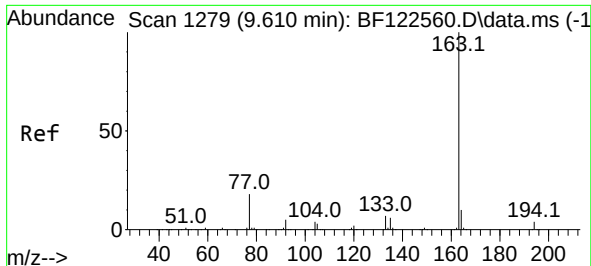
Tgt Ion: 330 Resp: 158657
Ion Ratio Lower Upper
330 100
332 97.3 77.5 116.3
141 29.2 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 21.68 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion: 172 Resp: 568386
Ion Ratio Lower Upper
172 100
171 34.8 29.6 44.4
170 23.3 19.5 29.3

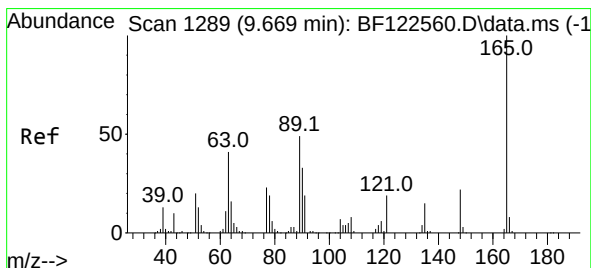
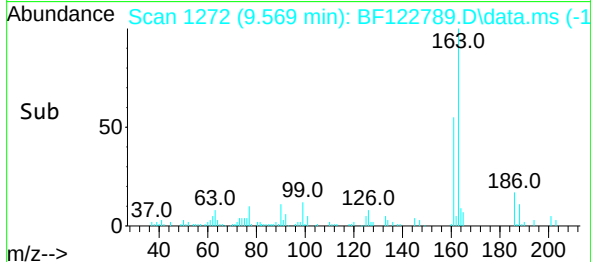
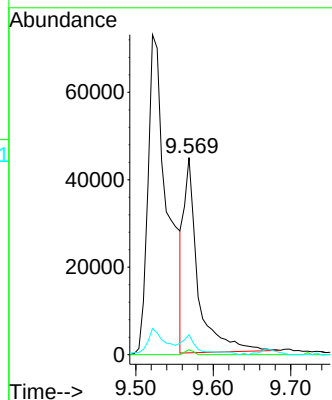
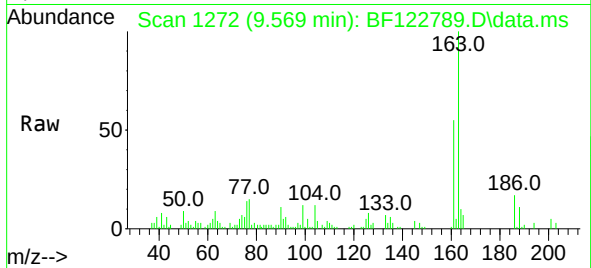




#50
Dimethylphthalate
Concen: 2.01 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

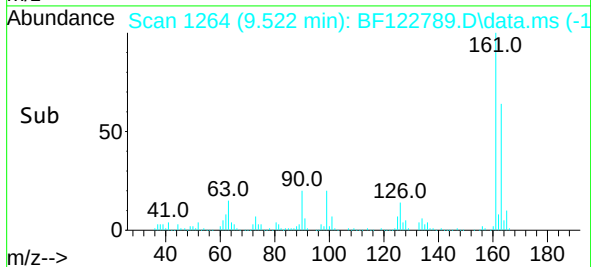
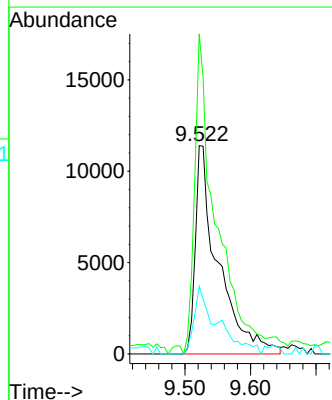
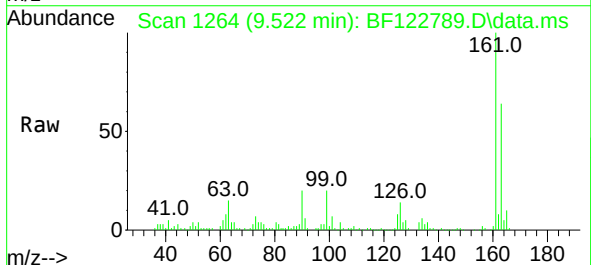
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

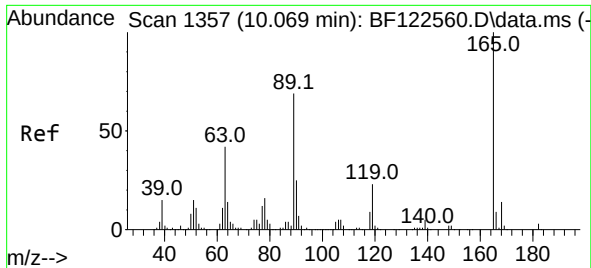
Tgt Ion:163 Resp: 56796
Ion Ratio Lower Upper
163 100
194 2.6 3.4 5.0#
164 10.2 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 4.60 ng
RT: 9.522 min Scan# 1264
Delta R.T. -0.124 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:165 Resp: 27541
Ion Ratio Lower Upper
165 100
63 153.6 36.6 55.0#
89 32.5 39.4 59.0#

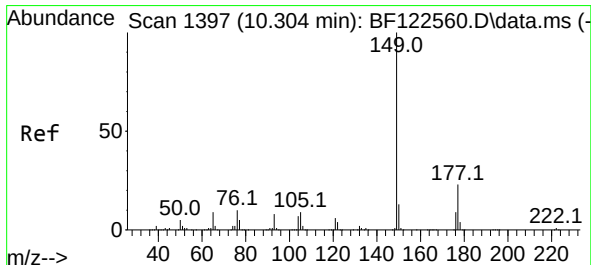
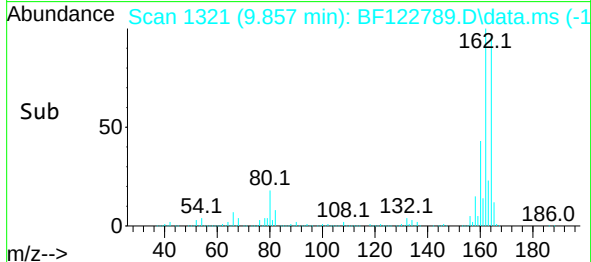
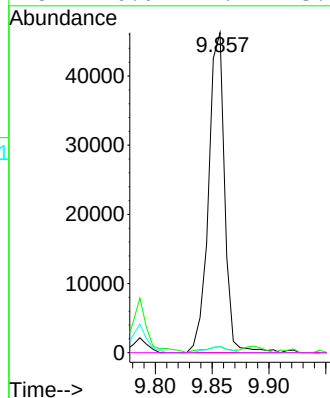
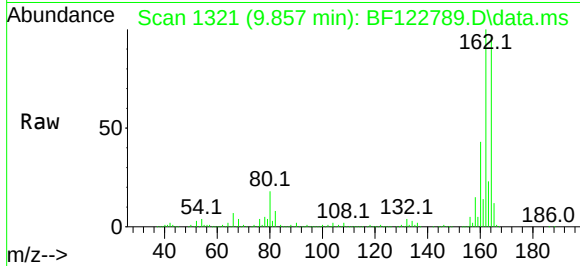




#57
2,4-Dinitrotoluene
Concen: 5.72 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

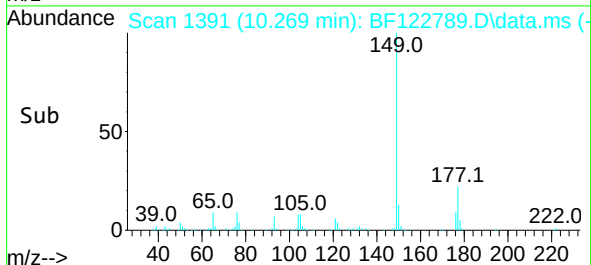
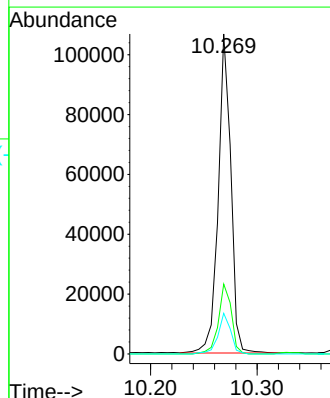
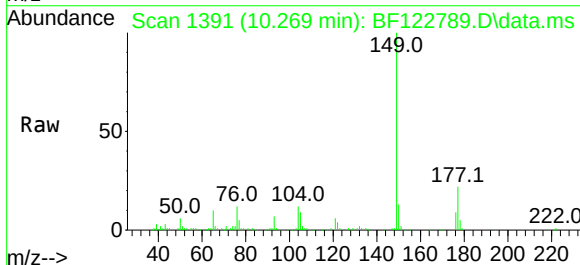
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

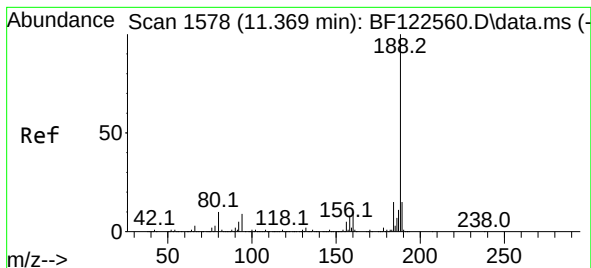
Tgt Ion:165	Resp:	45588
Ion Ratio	Lower	Upper
165	100	
63	2.0	34.3 51.5#
89	1.9	55.2 82.8#
182	0.0	2.2 3.2#



#60
Diethylphthalate
Concen: 3.16 ng
RT: 10.269 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:149	Resp:	87161
Ion Ratio	Lower	Upper
149	100	
177	21.9	18.2 27.4
150	12.7	10.1 15.1





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF122789.D

Acq: 18 Dec 2020 17:06

Tgt Ion:188 Resp: 495216

Ion Ratio Lower Upper

188 100

94 11.7 7.4 11.2#

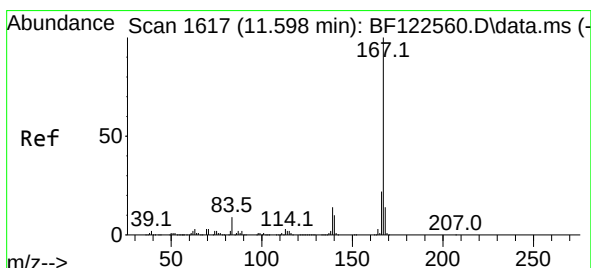
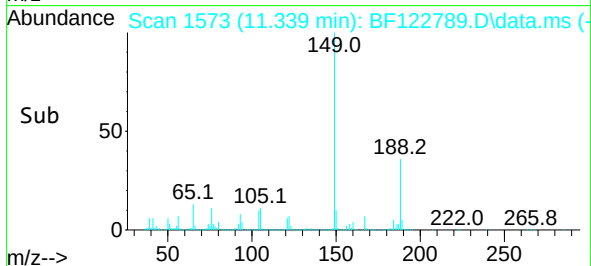
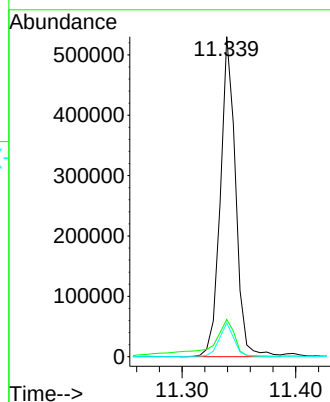
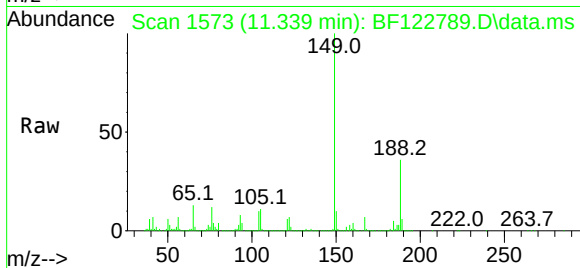
80 10.5 8.2 12.4

Instrument :

BNA_F

ClientSampleId :

GROUNDWATERRE



#73

Carbazole

Concen: 12.23 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.230 min

Lab File: BF122789.D

Acq: 18 Dec 2020 17:06

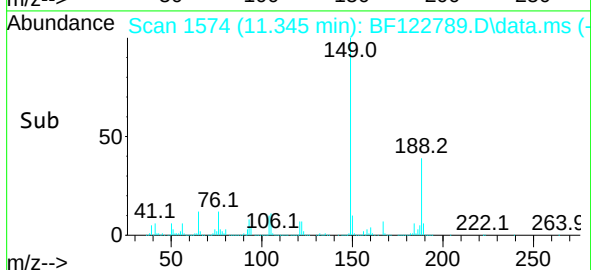
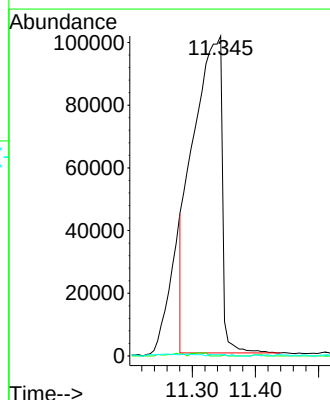
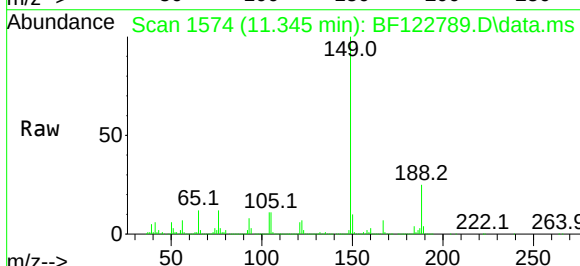
Tgt Ion:167 Resp: 323649

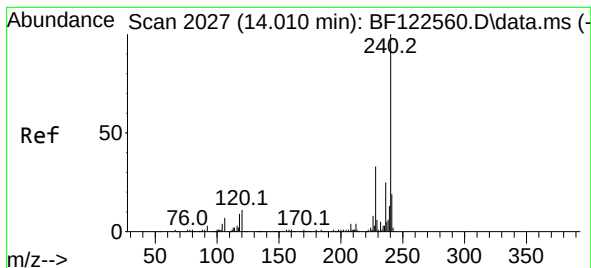
Ion Ratio Lower Upper

167 100

166 0.0 18.0 27.0#

139 0.4 10.9 16.3#

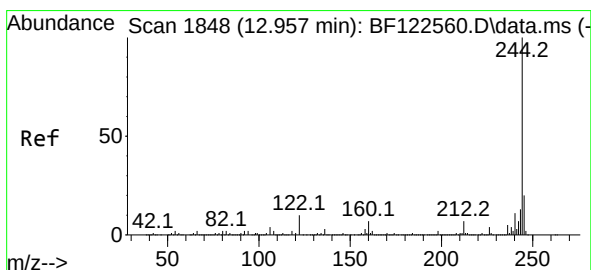
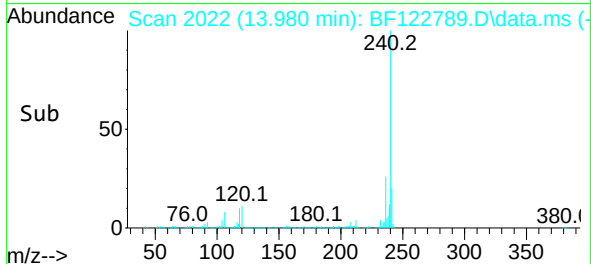
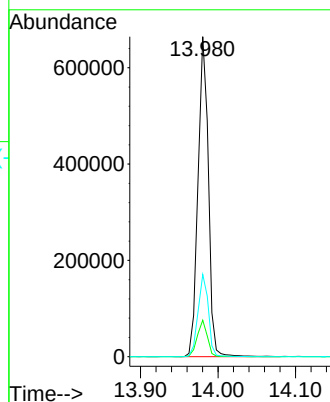
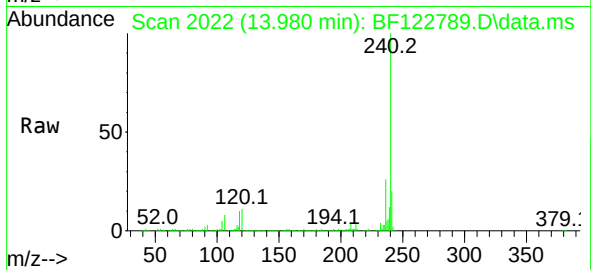




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

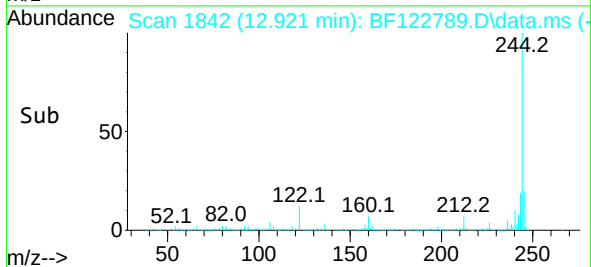
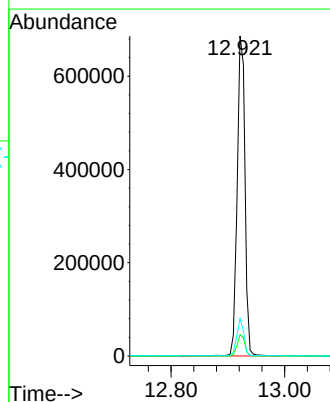
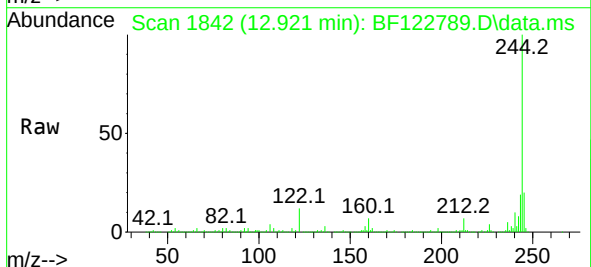
Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

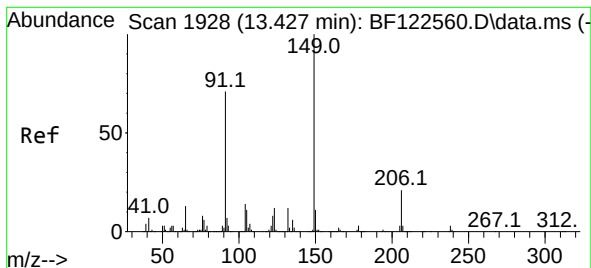
Tgt Ion:240 Resp: 618245
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 25.7 20.3 30.5



#79
Terphenyl-d14
Concen: 18.40 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:244 Resp: 649822
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 11.6 8.3 12.5

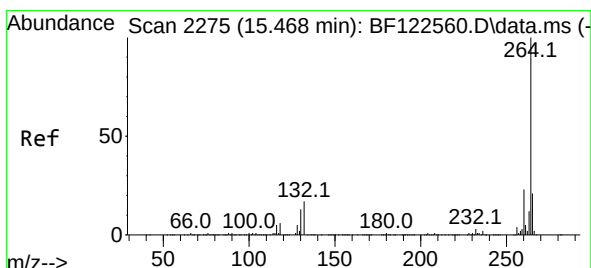
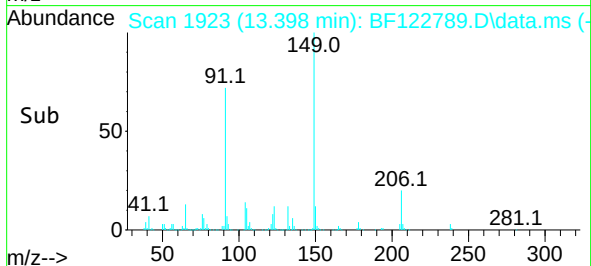
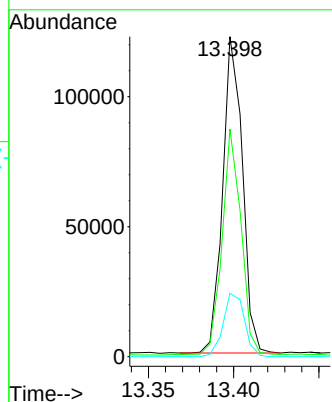
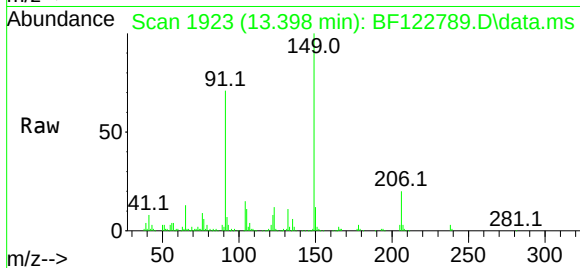




#80
Butylbenzylphthalate
Concen: 4.55 ng
RT: 13.398 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BF122789.D
Acq: 18 Dec 2020 17:06

Instrument :
BNA_F
ClientSampleId :
GROUNDWATERRE

Tgt Ion:	149	Resp:	98043
Ion Ratio	Lower	Upper	
149	100		
91	71.2	56.5	84.7
206	19.9	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: BF122789.D
Acq: 18 Dec 2020 17:06

Tgt Ion:	264	Resp:	565783
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.6

