

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
 Data File : BF137721.D
 Acq On : 24 Apr 2024 16:39
 Operator : CG\JU
 Sample : P2226-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Quant Time: Apr 24 17:03:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

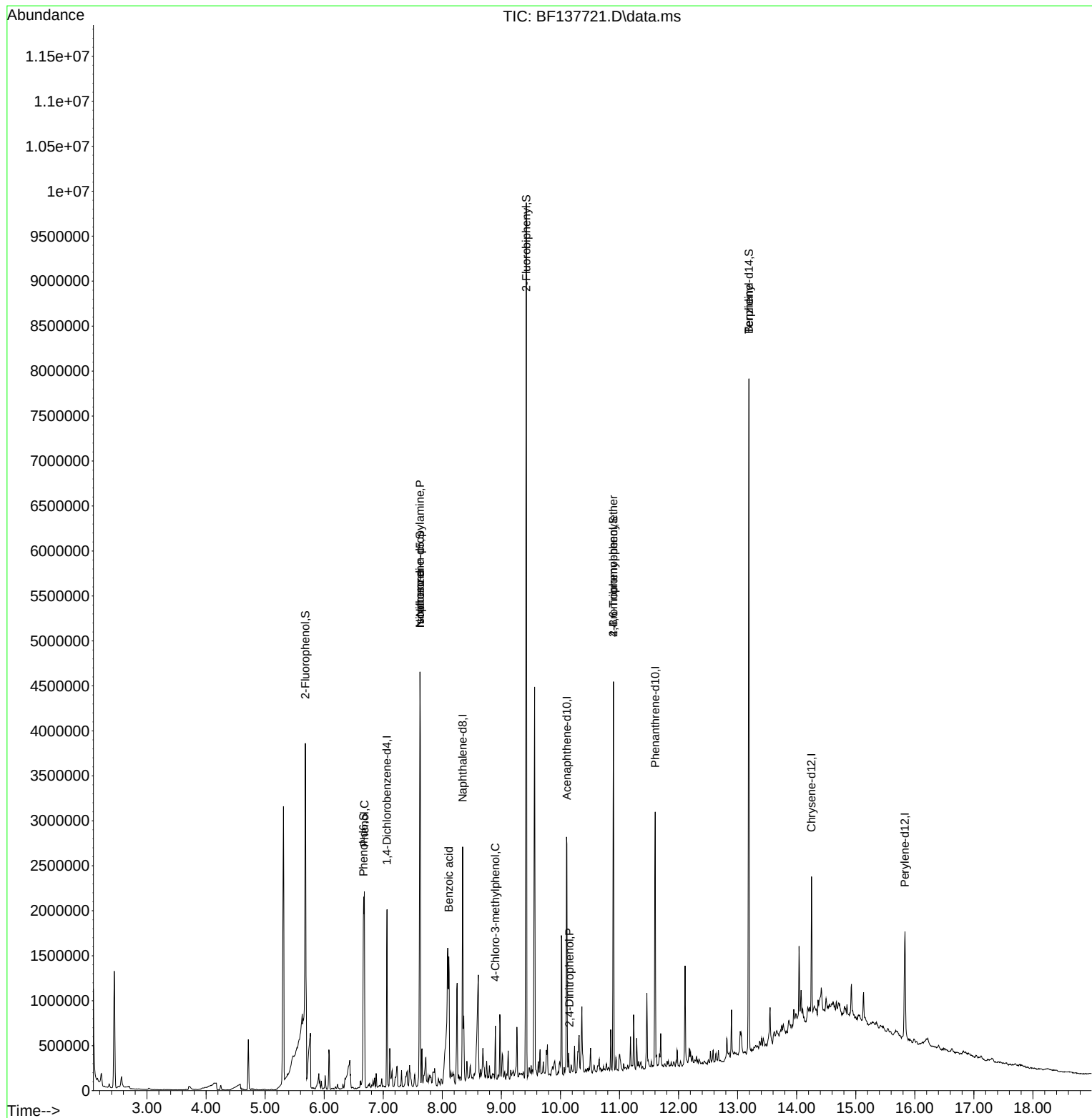
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	266909	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1060047	20.000	ng	0.00
39) Acenaphthene-d10	10.110	164	572344	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	899135	20.000	ng	0.00
76) Chrysene-d12	14.251	240	484743	20.000	ng	0.00
86) Perylene-d12	15.833	264	586457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	770139	43.830	ng	0.00
7) Phenol-d6	6.663	99	650165	29.138	ng	-0.01
23) Nitrobenzene-d5	7.622	82	1667814	83.518	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	492547	85.284	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	3057567	79.823	ng	0.00
79) Terphenyl-d14	13.192	244	2597437	86.246	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.681	94	542534	24.339	ng	97
19) n-Nitroso-di-n-propyla...	7.622	70	225689	15.642	ng	# 79
25) Isophorone	7.622	82	1663519	44.853	ng	# 64
32) Benzoic acid	8.110	122	660384	58.389	ng	92
36) 4-Chloro-3-methylphenol	8.898	107	66534	4.007	ng	# 22
54) 2,4-Dinitrophenol	10.151	184	66	5.603	ng	# 1
67) 4-Bromophenyl-phenylether	10.898	248	33120	3.179	ng	# 1
77) Benzidine	13.192	184	33700	2.977	ng	# 93

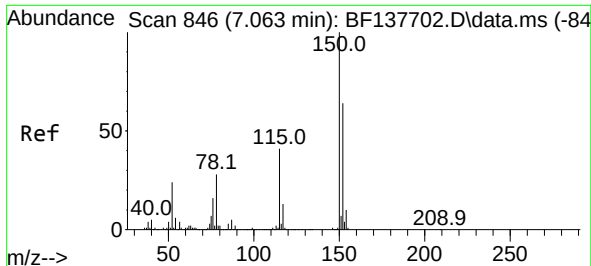
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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GROUND-WATER

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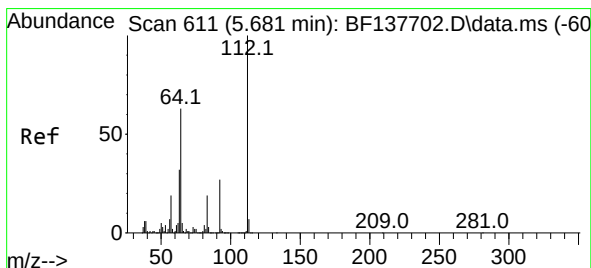
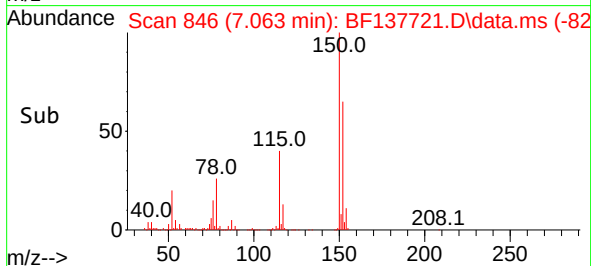
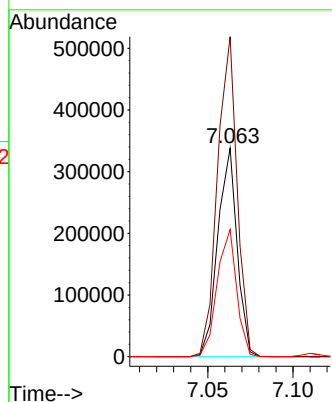
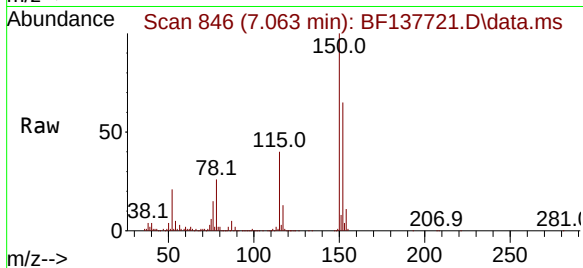




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

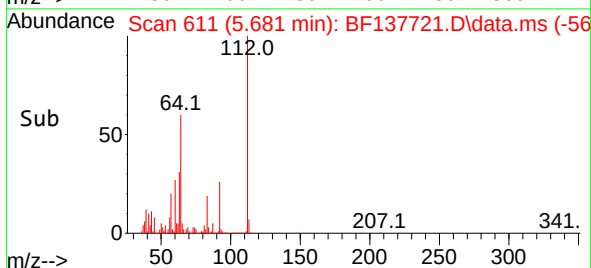
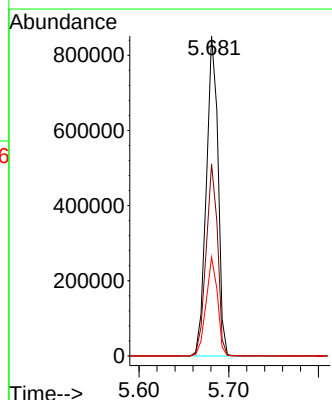
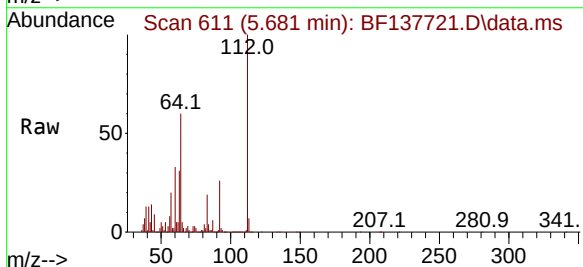
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

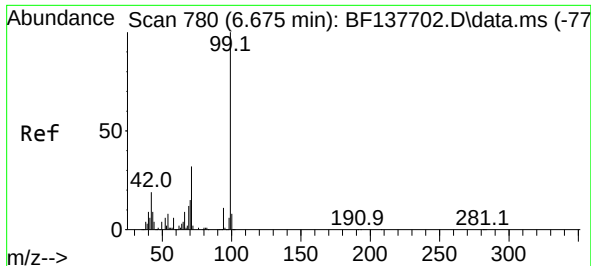
Tgt Ion:152 Resp: 266909
Ion Ratio Lower Upper
152 100
150 153.5 124.2 186.4
115 61.0 50.8 76.2



#5
2-Fluorophenol
Concen: 43.830 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.000 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Tgt Ion:112 Resp: 770139
Ion Ratio Lower Upper
112 100
64 60.0 50.1 75.1
63 30.9 25.2 37.8

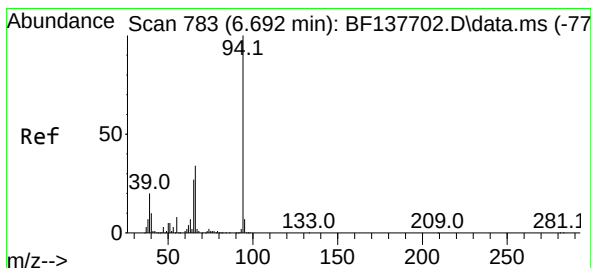
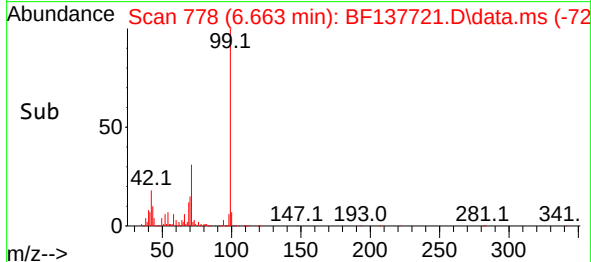
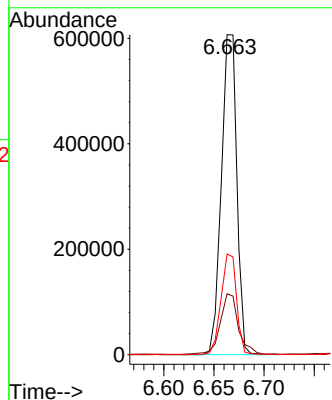
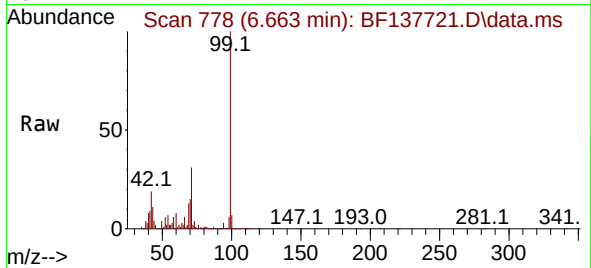




#7
Phenol-d6
Concen: 29.138 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

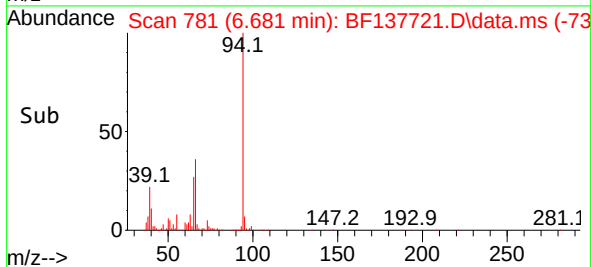
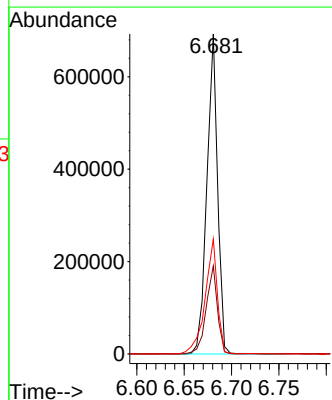
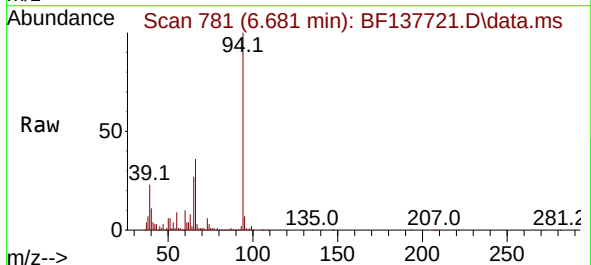
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

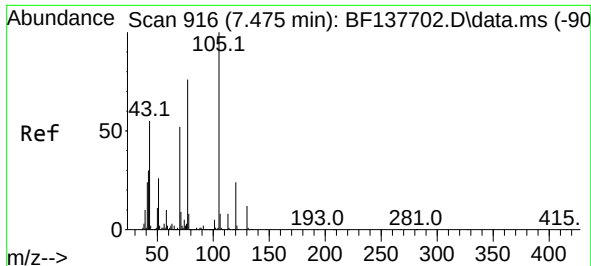
Tgt Ion: 99 Resp: 650165
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 31.5 25.7 38.5



#10
Phenol
Concen: 24.339 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.012 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

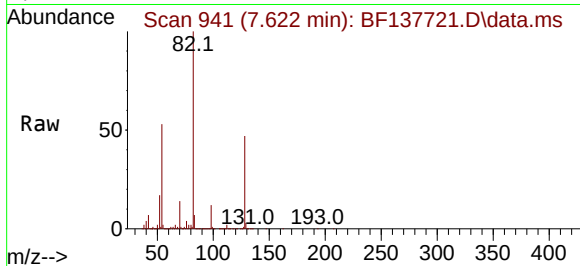
Tgt Ion: 94 Resp: 542534
Ion Ratio Lower Upper
94 100
65 27.5 6.5 46.5
66 35.9 13.9 53.9



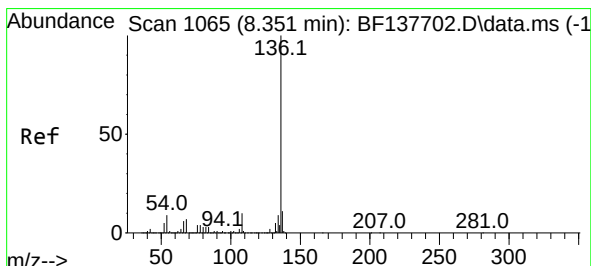
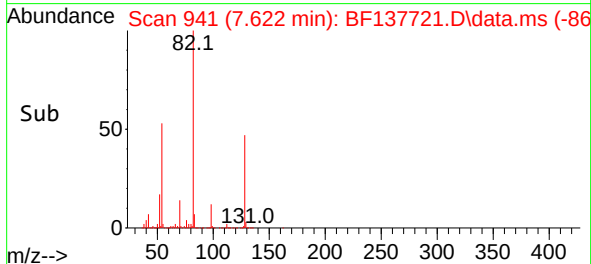
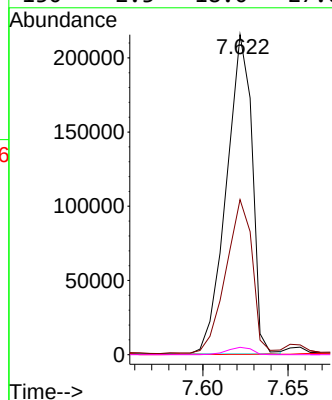


#19
n-Nitroso-di-n-propylamine
Concen: 15.642 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

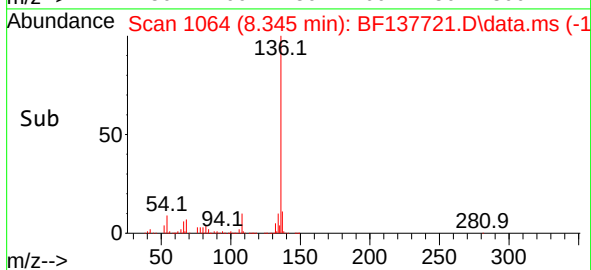
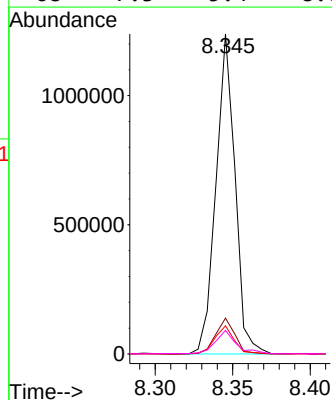
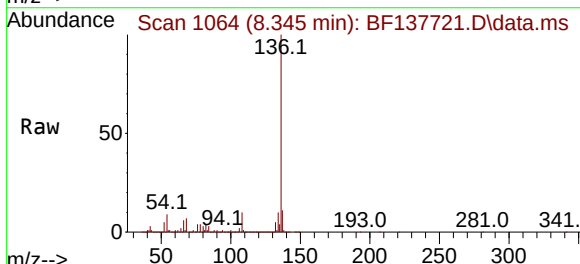


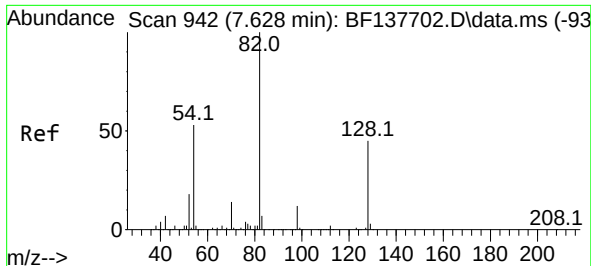
Tgt Ion: 70 Resp: 225689
Ion Ratio Lower Upper
70 100
42 48.5 45.9 68.9
101 0.1 8.0 12.0#
130 2.3 18.0 27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Tgt Ion: 136 Resp: 1060047
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.8 6.9 10.3
68 7.3 5.4 8.0





#23

Nitrobenzene-d5

Concen: 83.518 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

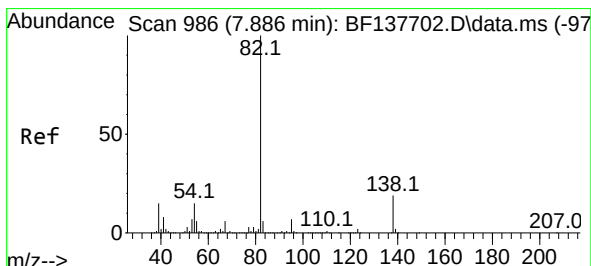
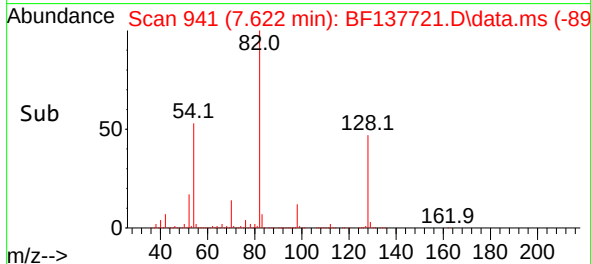
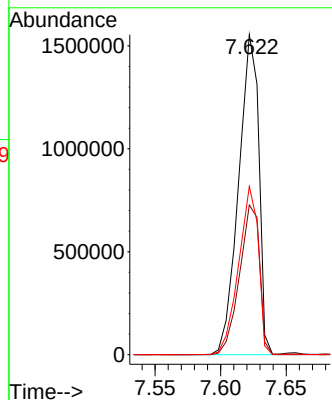
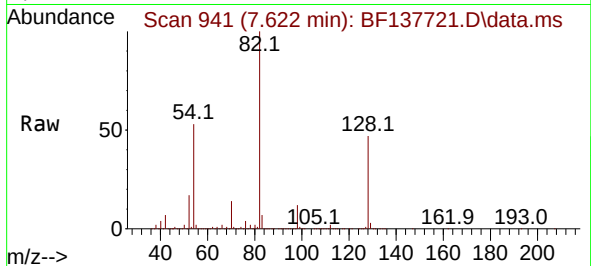
Tgt Ion: 82 Resp: 1667814

Ion Ratio Lower Upper

82 100

128 46.8 35.8 53.6

54 52.6 42.5 63.7



#25

Isophorone

Concen: 44.853 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.265 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

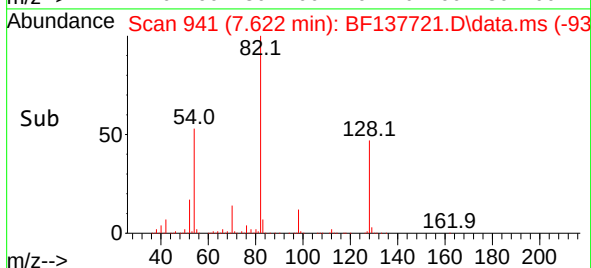
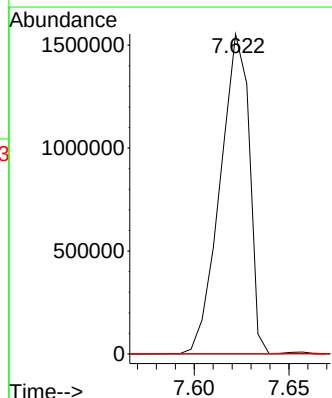
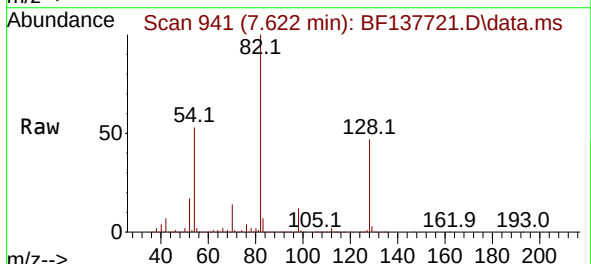
Tgt Ion: 82 Resp: 1663519

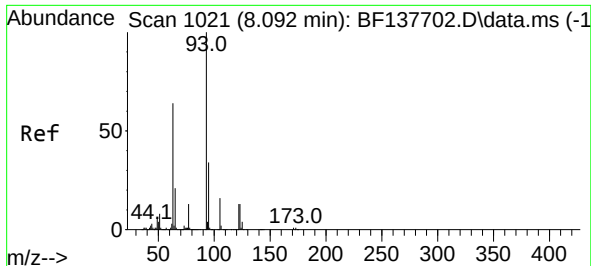
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.3 22.9#

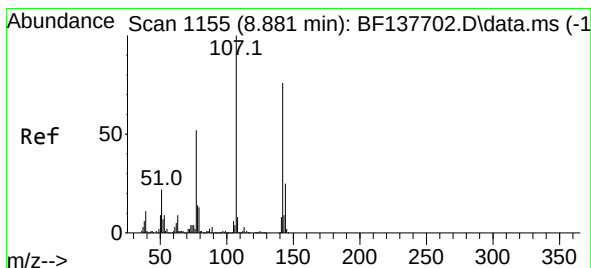
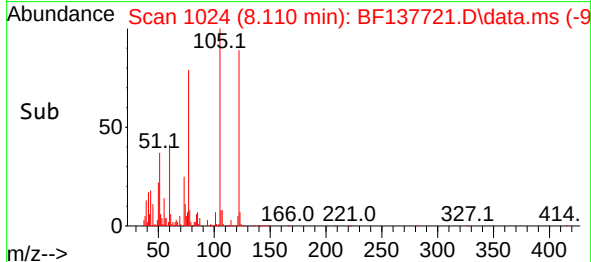
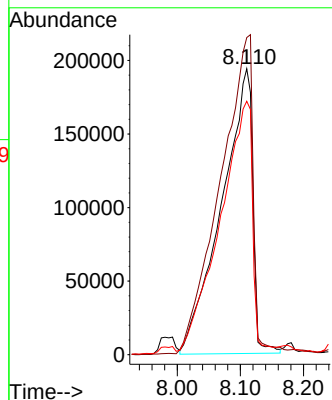
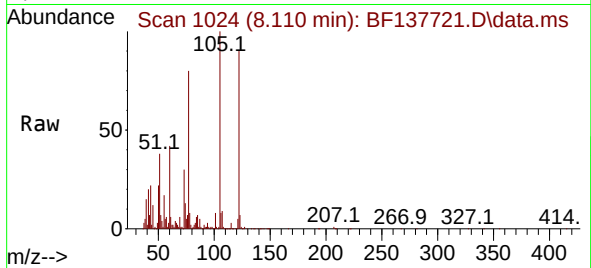




#32
Benzoic acid
Concen: 58.389 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.018 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

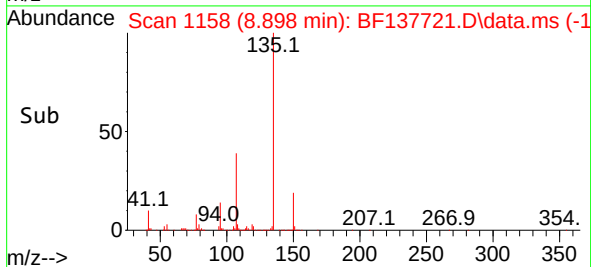
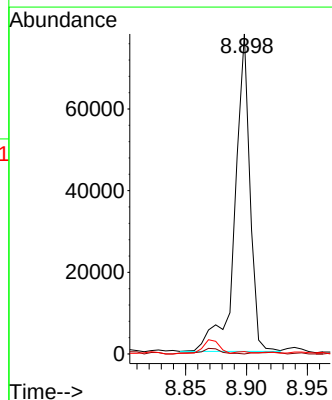
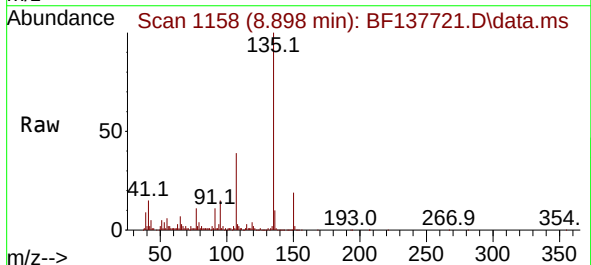
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

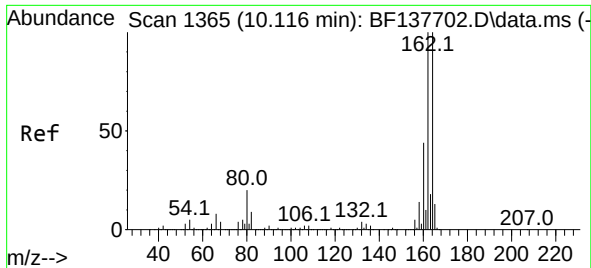
Tgt Ion:122 Resp: 660384
Ion Ratio Lower Upper
122 100
105 110.9 101.1 141.1
77 88.6 75.7 115.7



#36
4-Chloro-3-methylphenol
Concen: 4.007 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.018 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Tgt Ion:107 Resp: 66534
Ion Ratio Lower Upper
107 100
144 0.0 19.8 29.8#
142 0.8 60.5 90.7#

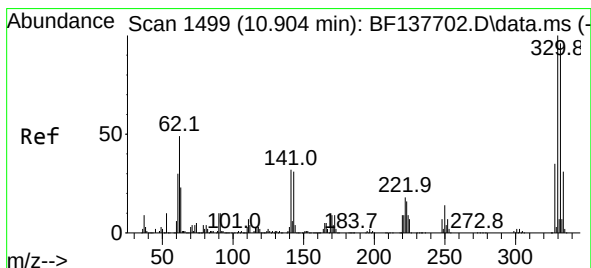
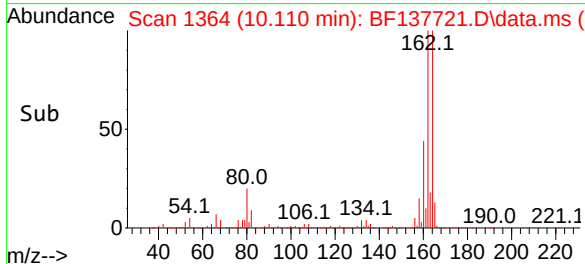
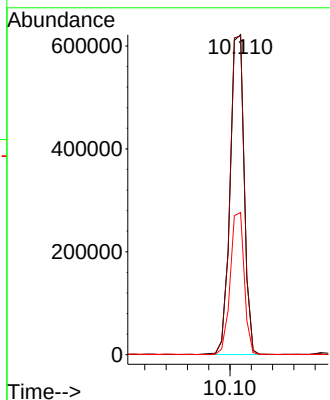
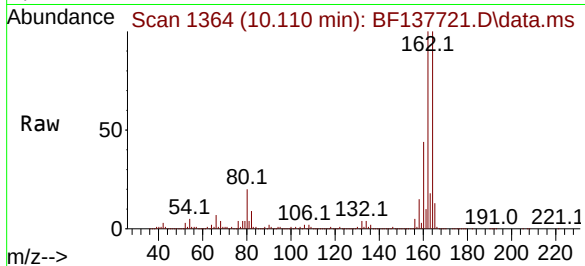




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

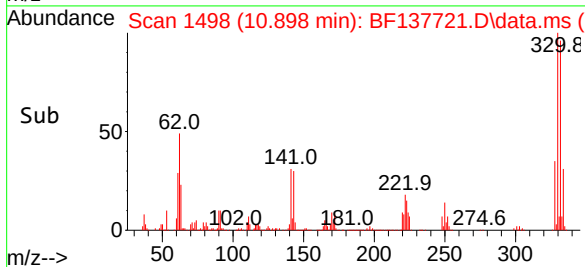
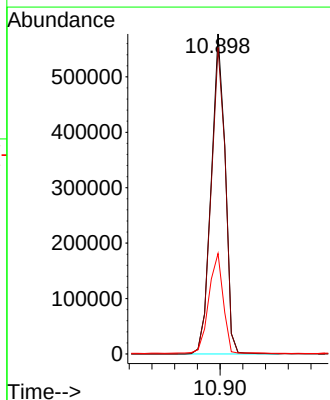
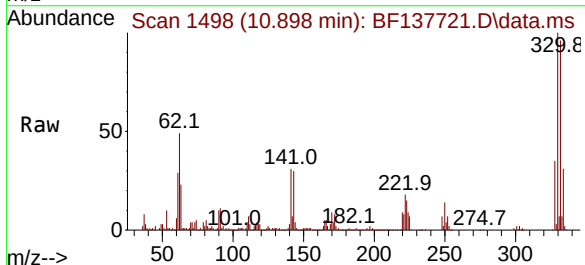
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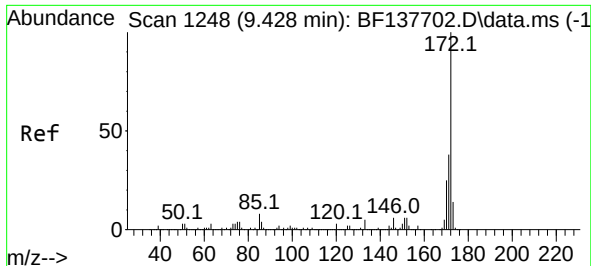
Tgt Ion:164 Resp: 572344
Ion Ratio Lower Upper
164 100
162 99.6 80.3 120.5
160 44.4 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 85.284 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Tgt Ion:330 Resp: 492547
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 31.9 27.0 40.4

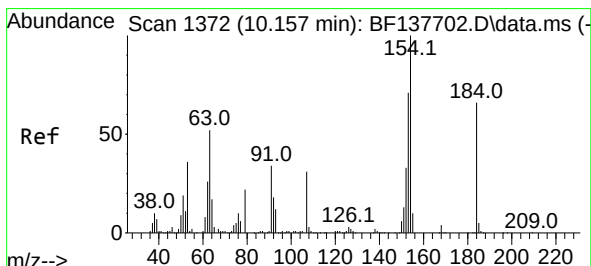
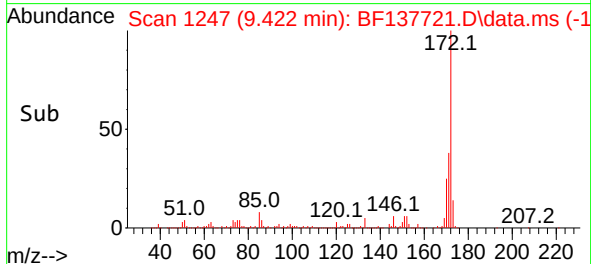
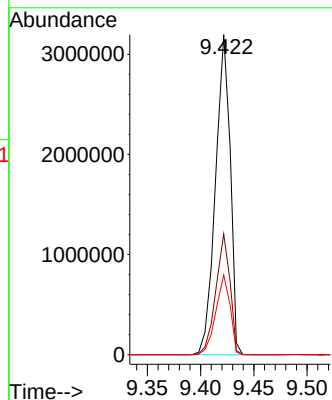
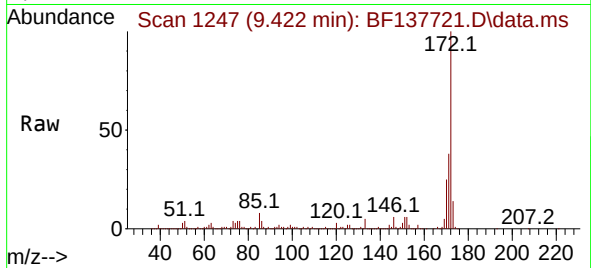




#45
2-Fluorobiphenyl
Concen: 79.823 ng
RT: 9.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

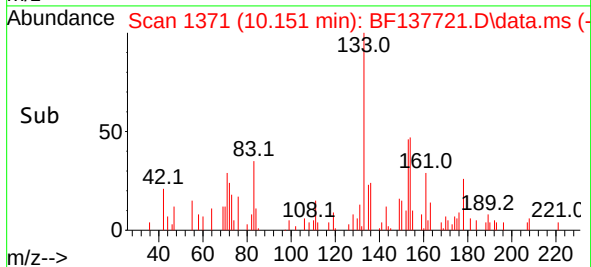
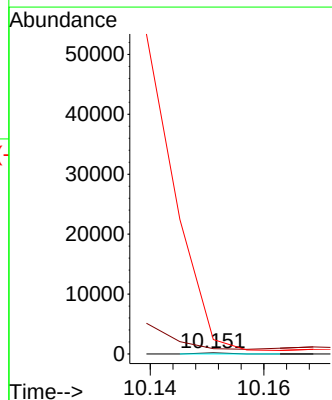
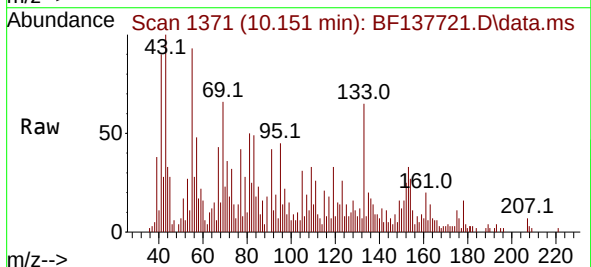
Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

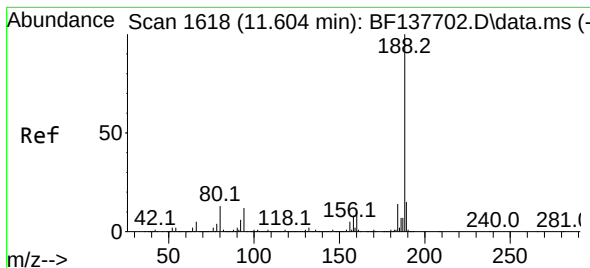
Tgt Ion:172 Resp: 3057567
Ion Ratio Lower Upper
172 100
171 37.7 30.2 45.4
170 24.9 20.2 30.4



#54
2,4-Dinitrophenol
Concen: 5.603 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF137721.D
Acq: 24 Apr 2024 16:39

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 474.2 63.5 95.3#
154 1296.8 123.0 184.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

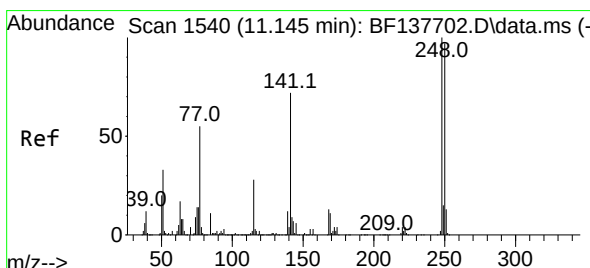
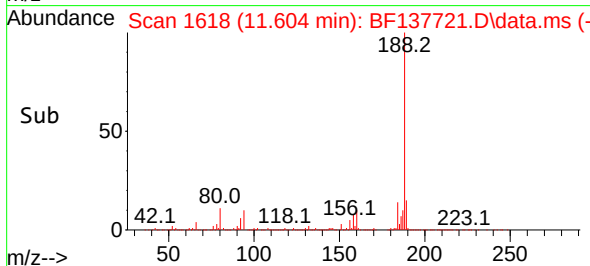
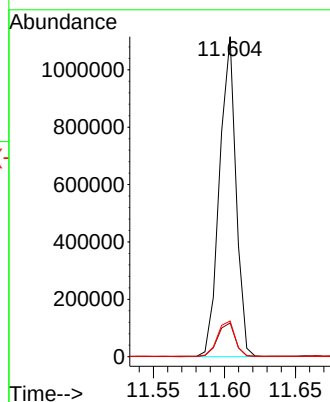
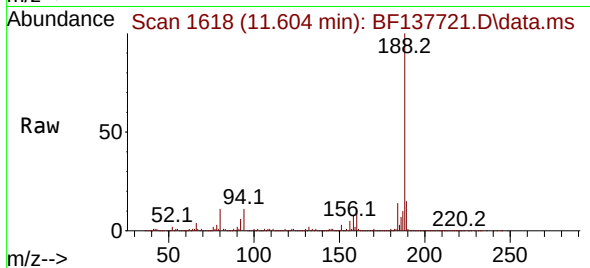
Tgt Ion:188 Resp: 899135

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

80 11.1 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 3.179 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.247 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

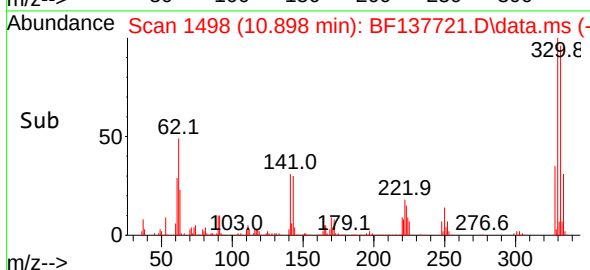
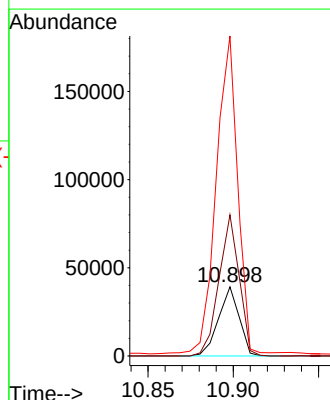
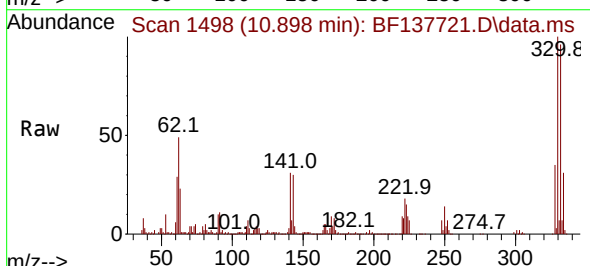
Tgt Ion:248 Resp: 33120

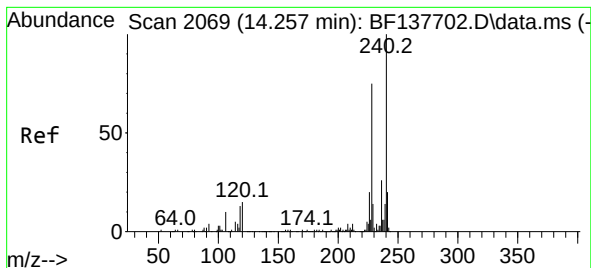
Ion Ratio Lower Upper

248 100

250 204.1 77.4 116.0#

141 462.7 57.9 86.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

Instrument :

BNA_F

ClientSampleId :

GROUND-WATER

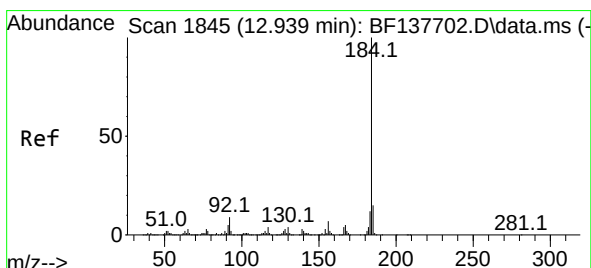
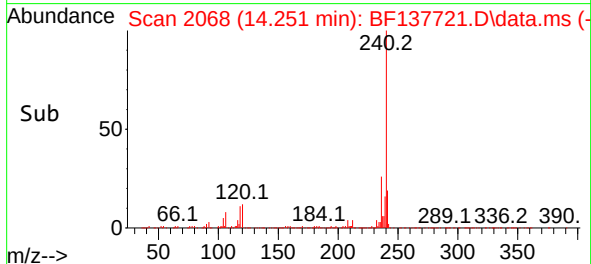
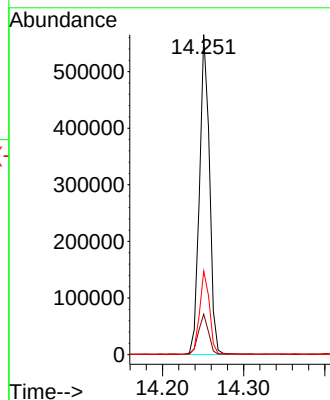
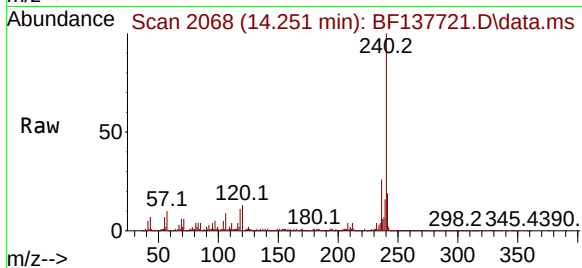
Tgt Ion:240 Resp: 484743

Ion Ratio Lower Upper

240 100

120 12.6 11.9 17.9

236 26.2 20.8 31.2



#77

Benzidine

Concen: 2.977 ng

RT: 13.192 min Scan# 1888

Delta R.T. 0.253 min

Lab File: BF137721.D

Acq: 24 Apr 2024 16:39

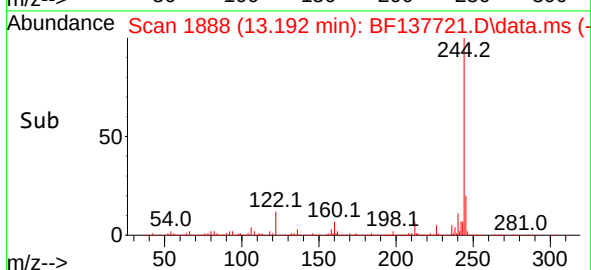
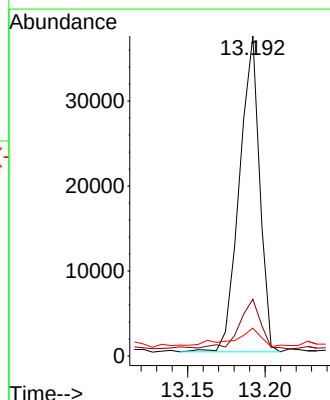
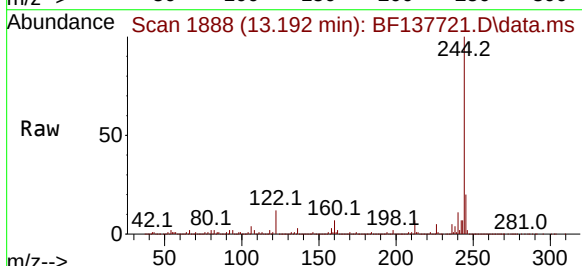
Tgt Ion:184 Resp: 33700

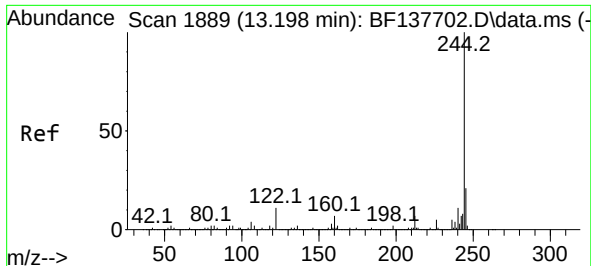
Ion Ratio Lower Upper

184 100

185 17.8 12.2 18.4

183 8.7 9.4 14.0#

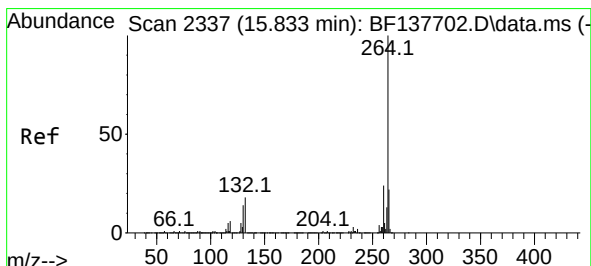
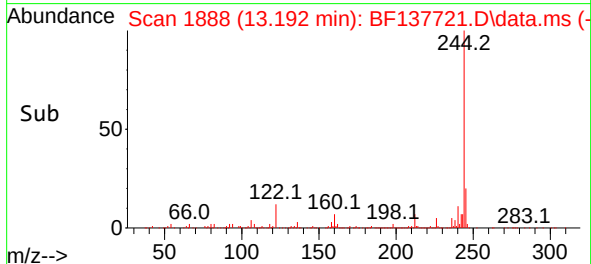
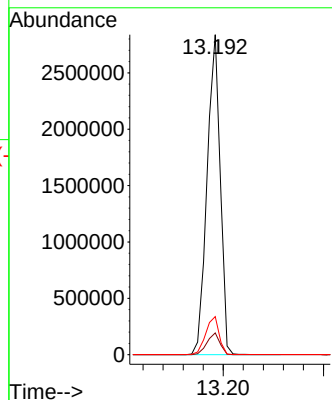
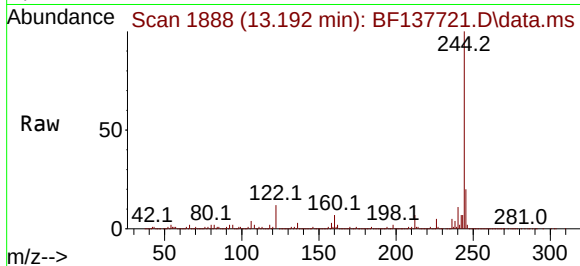




#79
 Terphenyl-d14
 Concen: 86.246 ng
 RT: 13.192 min Scan# 1888
 Delta R.T. -0.006 min
 Lab File: BF137721.D
 Acq: 24 Apr 2024 16:39

Instrument :
 BNA_F
 ClientSampleId :
 GROUND-WATER

Tgt Ion:244 Resp: 2597437
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.9 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.833 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: BF137721.D
 Acq: 24 Apr 2024 16:39

Tgt Ion:264 Resp: 586457
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.9 17.5 26.3

