

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090723\
 Data File : BF135139.D
 Acq On : 07 Sep 2023 17:55
 Operator : CG\JU
 Sample : 04256-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Groundwater

Quant Time: Sep 08 01:52:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

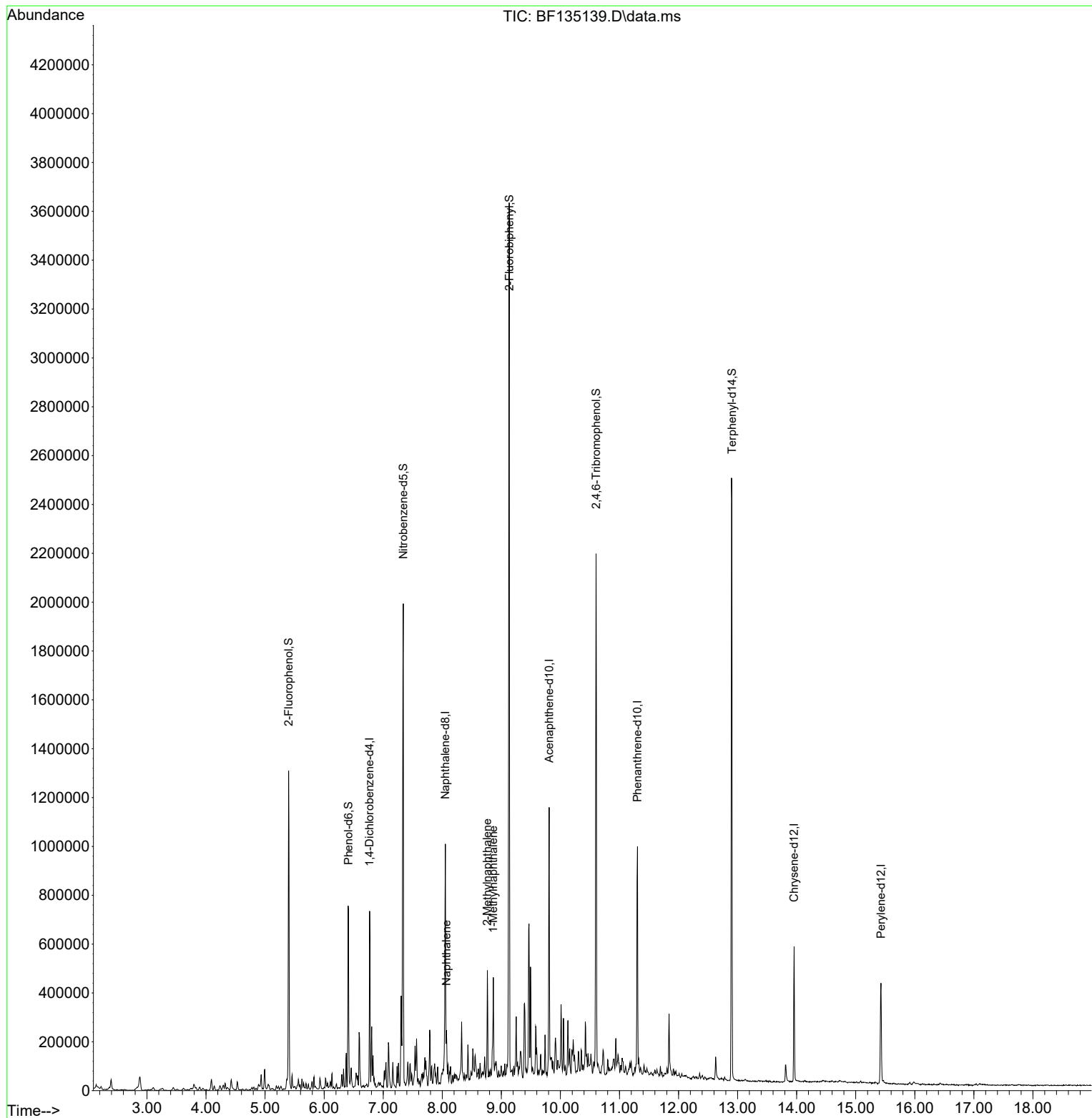
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	100878	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	397602	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	199999	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	333637	20.000	ng	0.00
76) Chrysene-d12	13.957	240	175382	20.000	ng	0.00
86) Perylene-d12	15.427	264	196125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	351573	53.832	ng	0.00
7) Phenol-d6	6.410	99	259712	31.904	ng	0.00
23) Nitrobenzene-d5	7.340	82	639172	90.314	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	260924	122.986	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	1115865	90.838	ng	0.00
79) Terphenyl-d14	12.904	244	930448	86.577	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.069	128	42086	2.167	ng	# 93
37) 2-Methylnaphthalene	8.763	142	98454	7.597	ng	98
38) 1-Methylnaphthalene	8.863	142	92705	7.645	ng	99

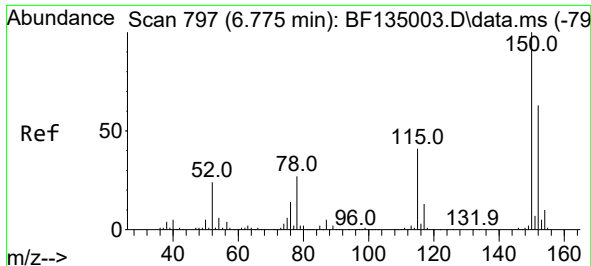
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 08 01:52:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

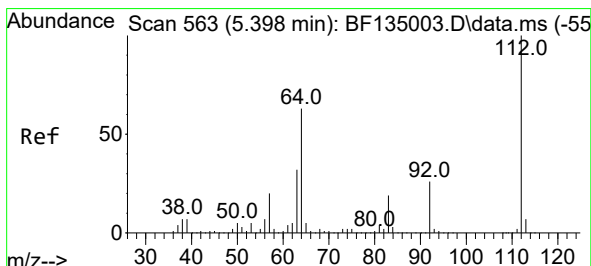
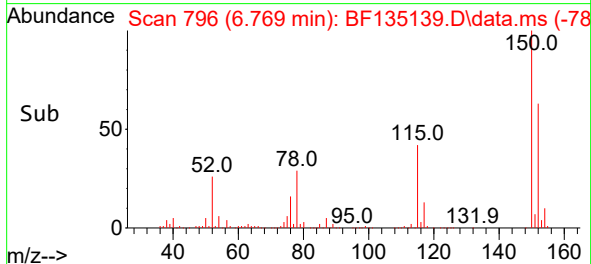
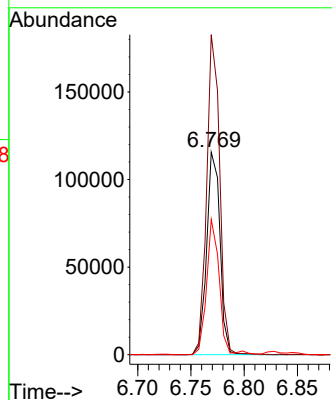
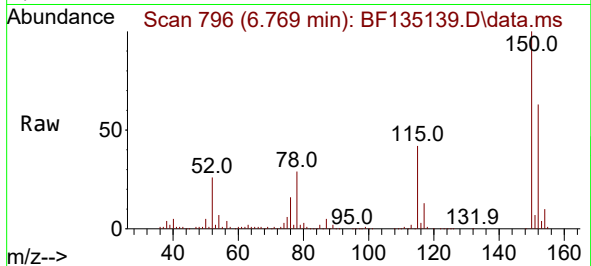




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

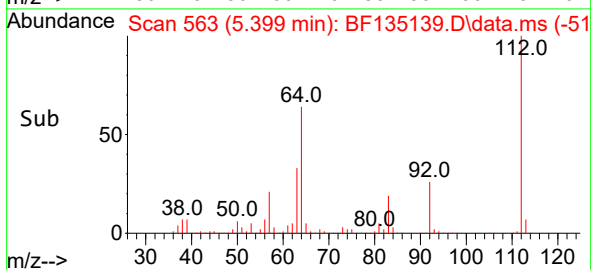
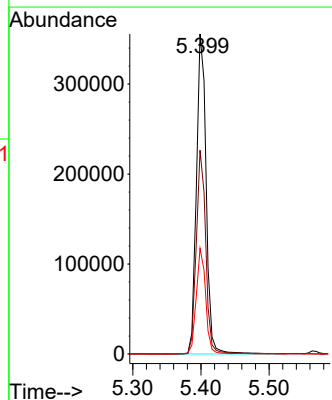
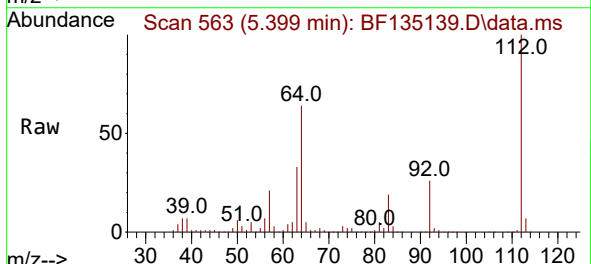
Instrument :
BNA_F
ClientSampleId :
Groundwater

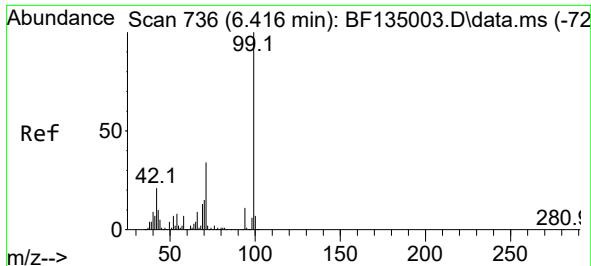
Tgt Ion:152 Resp: 100878
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.4
115 66.8 51.2 76.8



#5
2-Fluorophenol
Concen: 53.832 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion:112 Resp: 351573
Ion Ratio Lower Upper
112 100
64 63.7 50.5 75.7
63 33.0 25.9 38.9

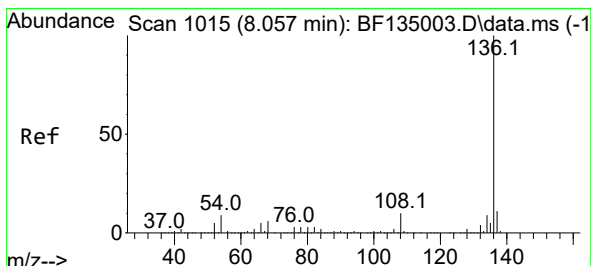
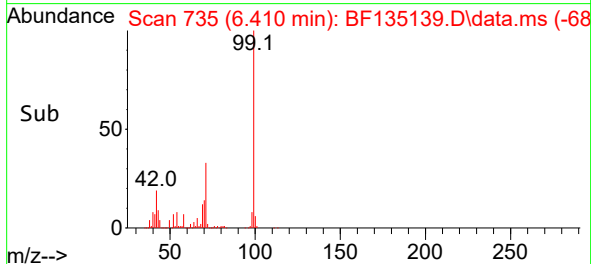
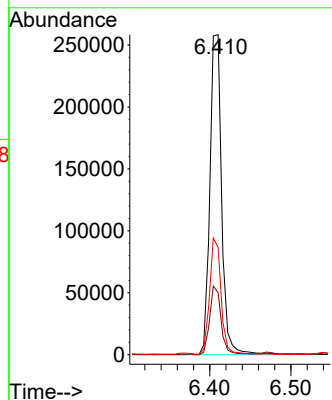
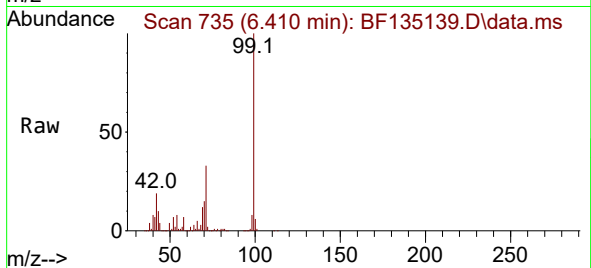




#7
Phenol-d6
Concen: 31.904 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

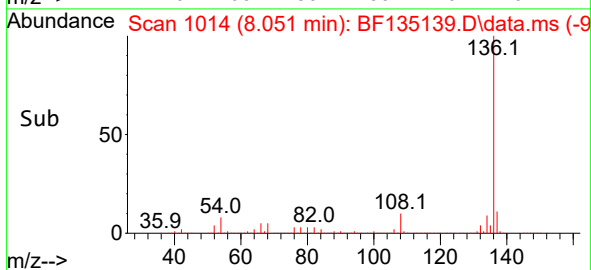
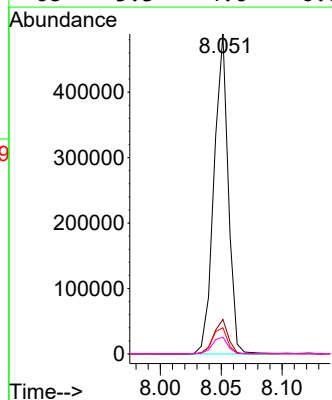
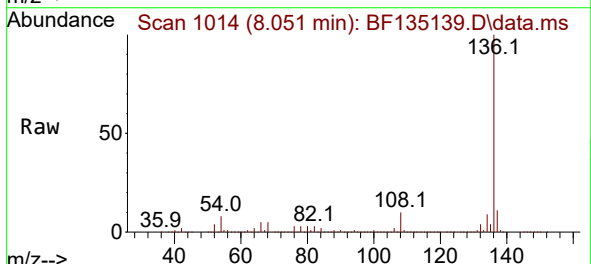
Instrument :
BNA_F
ClientSampleId :
Groundwater

Tgt Ion: 99 Resp: 259712
Ion Ratio Lower Upper
99 100
42 19.3 16.6 25.0
71 33.5 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion: 136 Resp: 397602
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.0 10.4
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 90.314 ng

RT: 7.340 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF135139.D

Acq: 07 Sep 2023 17:55

Instrument :

BNA_F

ClientSampleId :

Groundwater

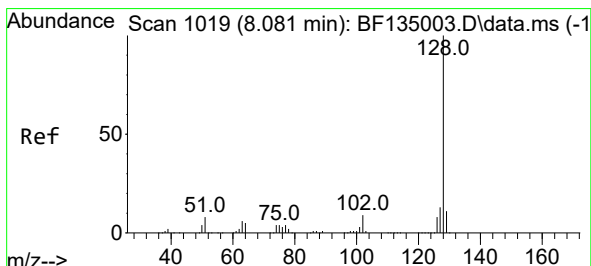
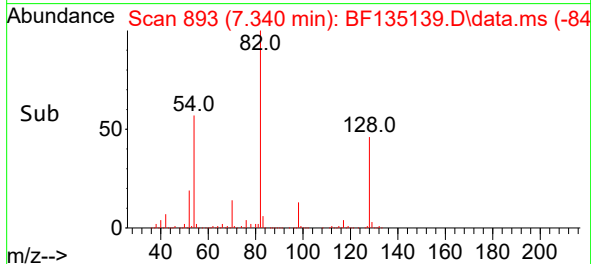
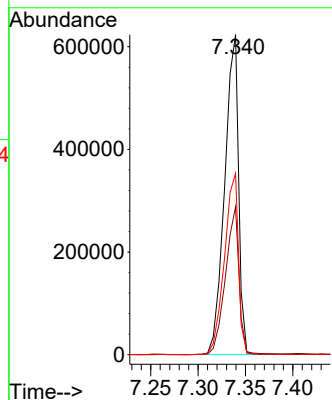
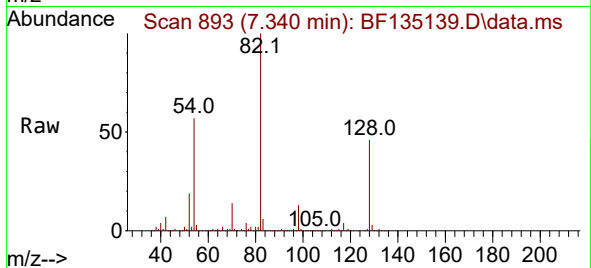
Tgt Ion: 82 Resp: 639172

Ion Ratio Lower Upper

82 100

128 46.2 37.8 56.8

54 56.7 45.0 67.6



#31

Naphthalene

Concen: 2.167 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF135139.D

Acq: 07 Sep 2023 17:55

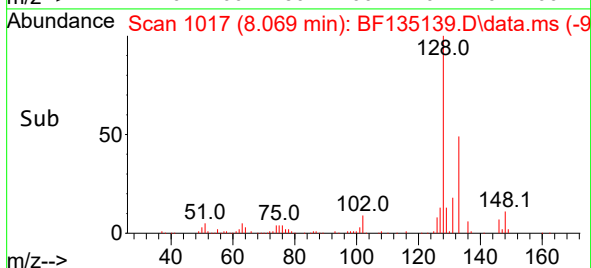
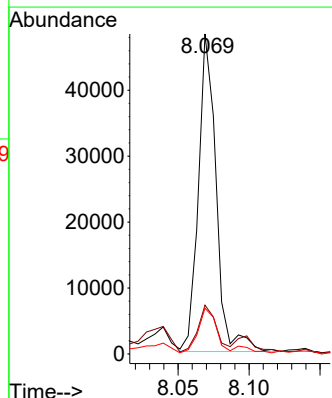
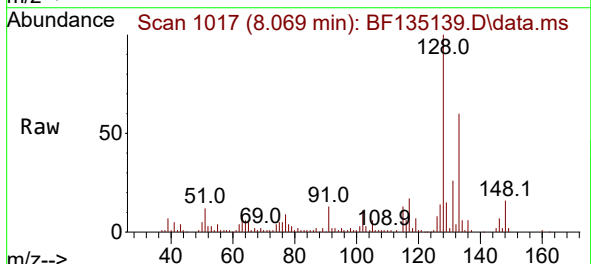
Tgt Ion: 128 Resp: 42086

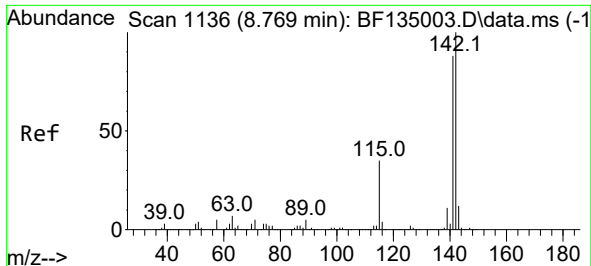
Ion Ratio Lower Upper

128 100

129 15.3 8.6 13.0#

127 14.3 10.6 16.0

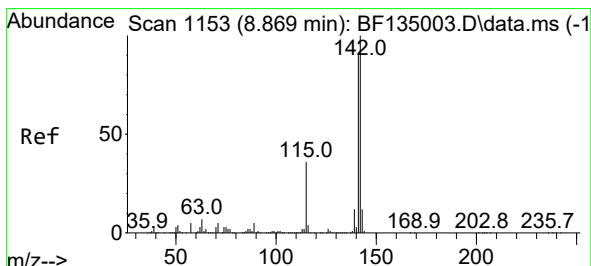
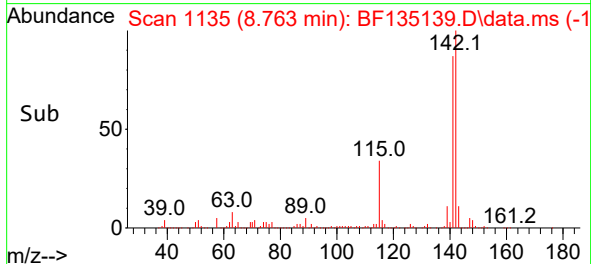
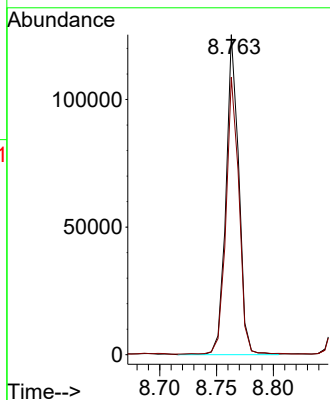
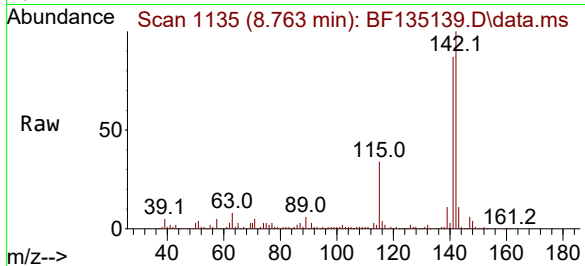




#37
2-Methylnaphthalene
Concen: 7.597 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

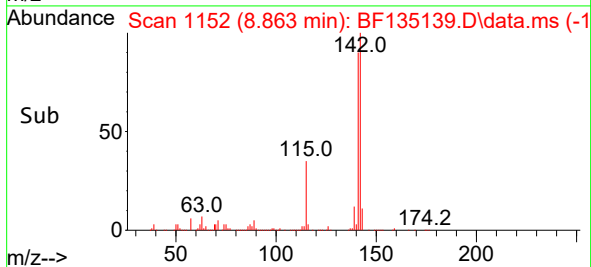
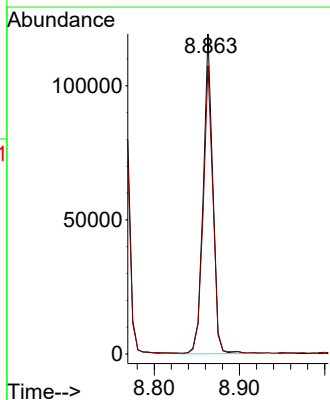
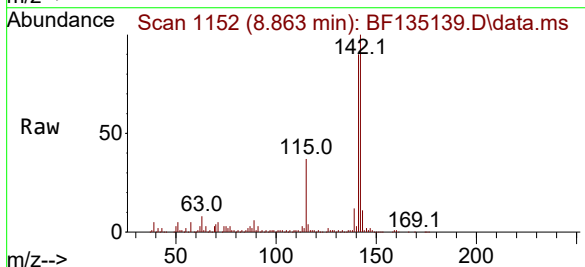
Instrument :
BNA_F
ClientSampleId :
Groundwater

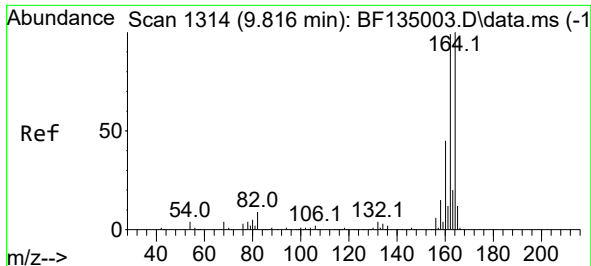
Tgt Ion:142 Resp: 98454
Ion Ratio Lower Upper
142 100
141 86.7 70.7 106.1



#38
1-Methylnaphthalene
Concen: 7.645 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion:142 Resp: 92705
Ion Ratio Lower Upper
142 100
141 90.1 73.0 109.4

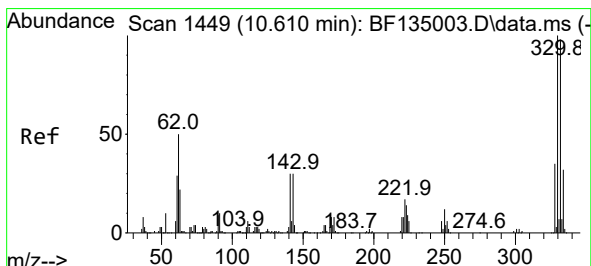
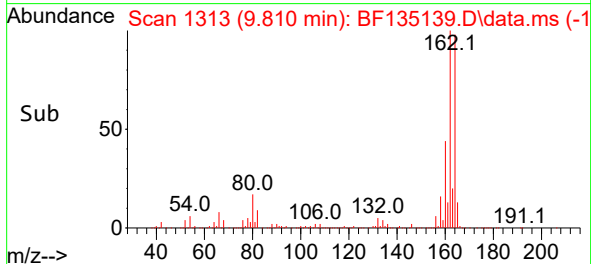
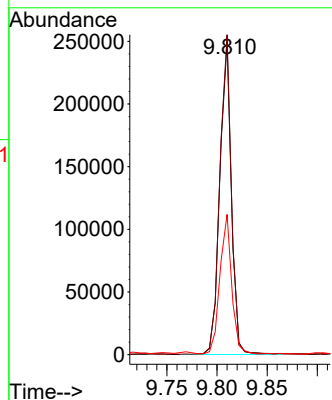
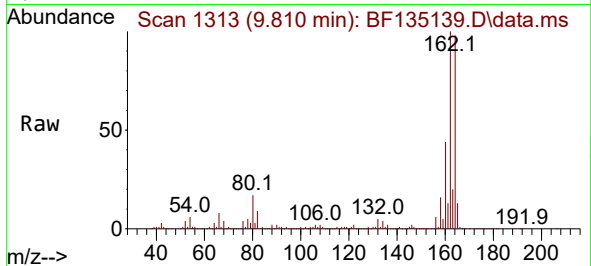




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

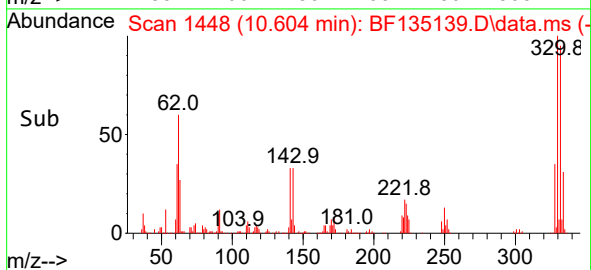
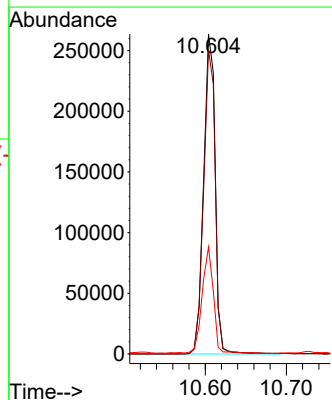
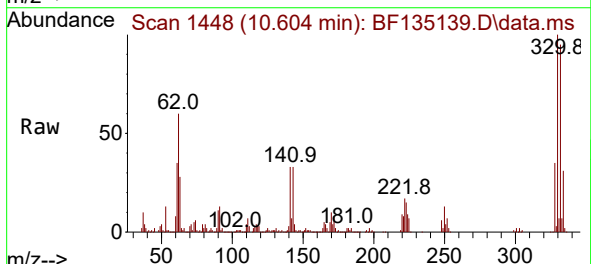
Instrument :
BNA_F
ClientSampleId :
Groundwater

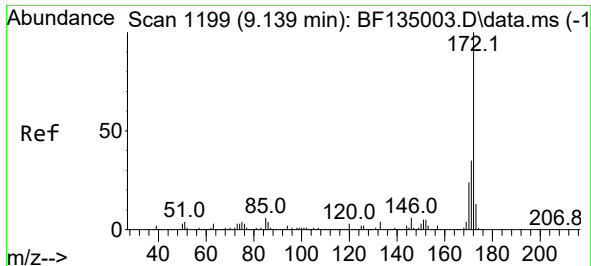
Tgt Ion:164 Resp: 199999
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 44.9 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 122.986 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion:330 Resp: 260924
Ion Ratio Lower Upper
330 100
332 95.1 77.6 116.4
141 32.8 26.3 39.5

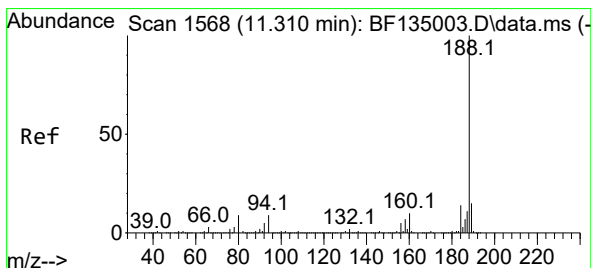
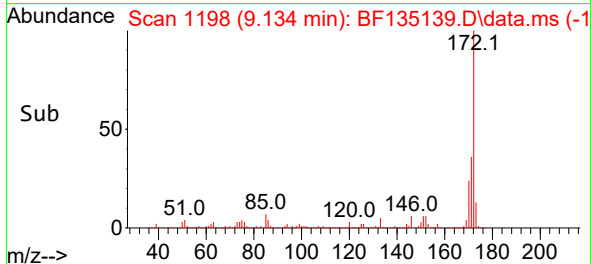
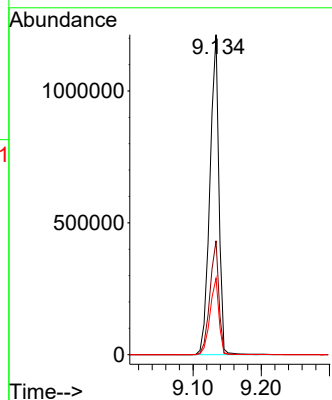
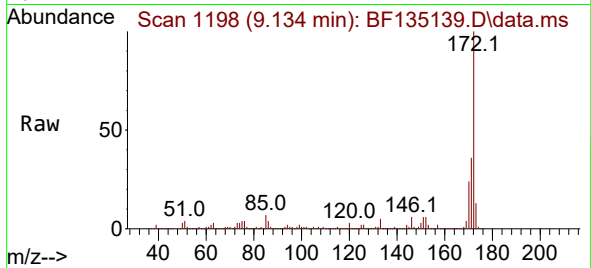




#45
2-Fluorobiphenyl
Concen: 90.838 ng
RT: 9.134 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

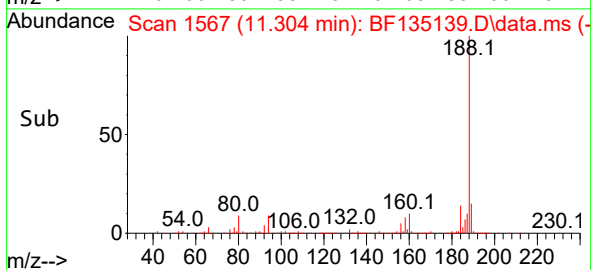
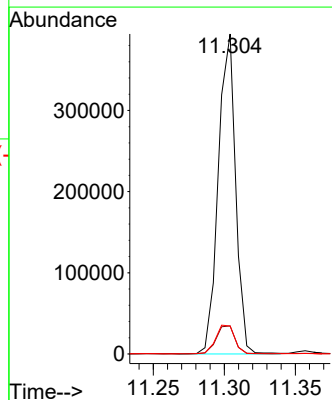
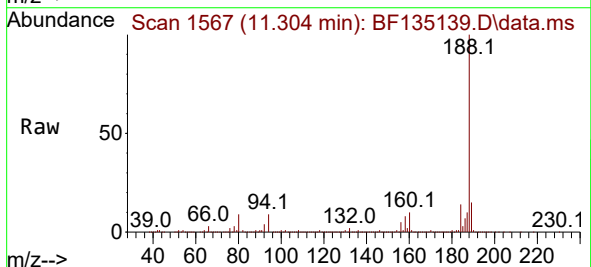
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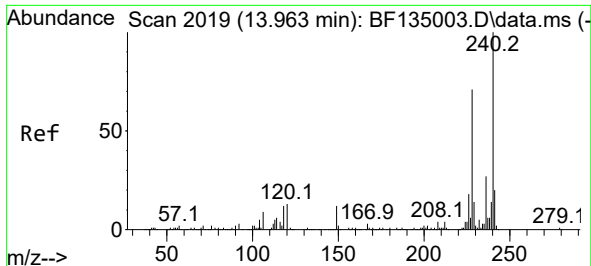
Tgt Ion:172 Resp: 1115865
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 23.9 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion:188 Resp: 333637
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.4
80 8.8 7.4 11.2

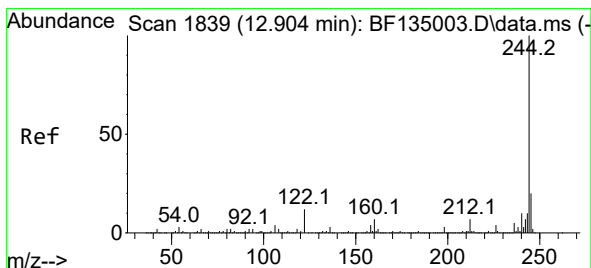
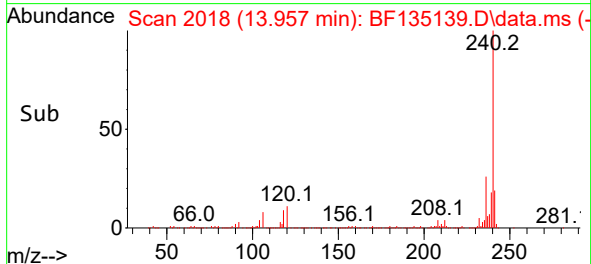
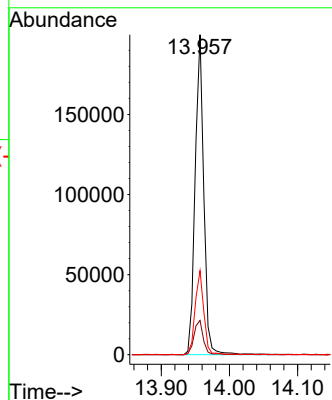
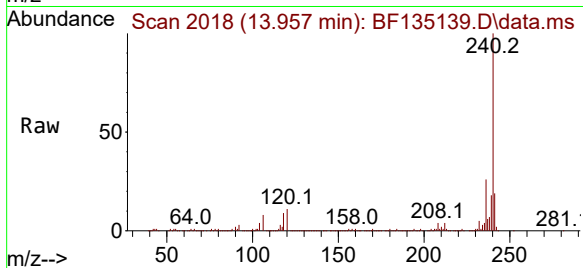




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

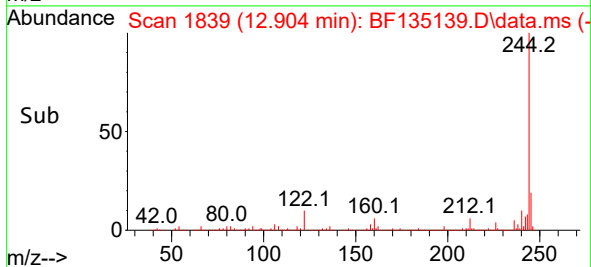
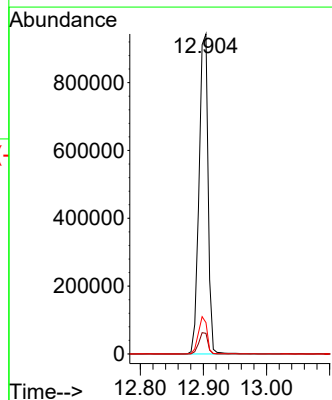
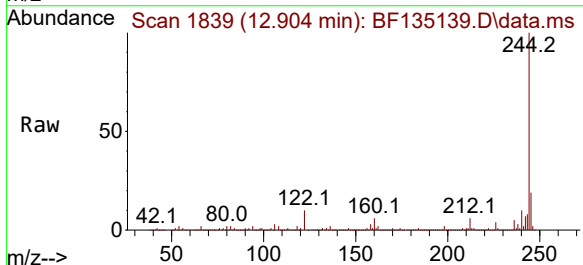
Instrument :
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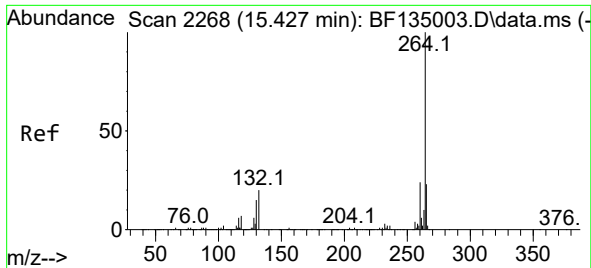
Tgt Ion:240 Resp: 175382
Ion Ratio Lower Upper
240 100
120 10.7 10.2 15.2
236 26.3 21.3 31.9



#79
Terphenyl-d14
Concen: 86.577 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Tgt Ion:244 Resp: 930448
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 9.8 9.8 14.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135139.D
Acq: 07 Sep 2023 17:55

Instrument :
BNA_F
ClientSampleId :
Groundwater

Tgt Ion:264 Resp: 196125
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.1 18.2 27.2

