

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135789.D
 Acq On : 16 Oct 2023 21:53
 Operator : CG\JU
 Sample : 04859-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SVS-GROUNDWATER

Quant Time: Oct 17 01:58:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

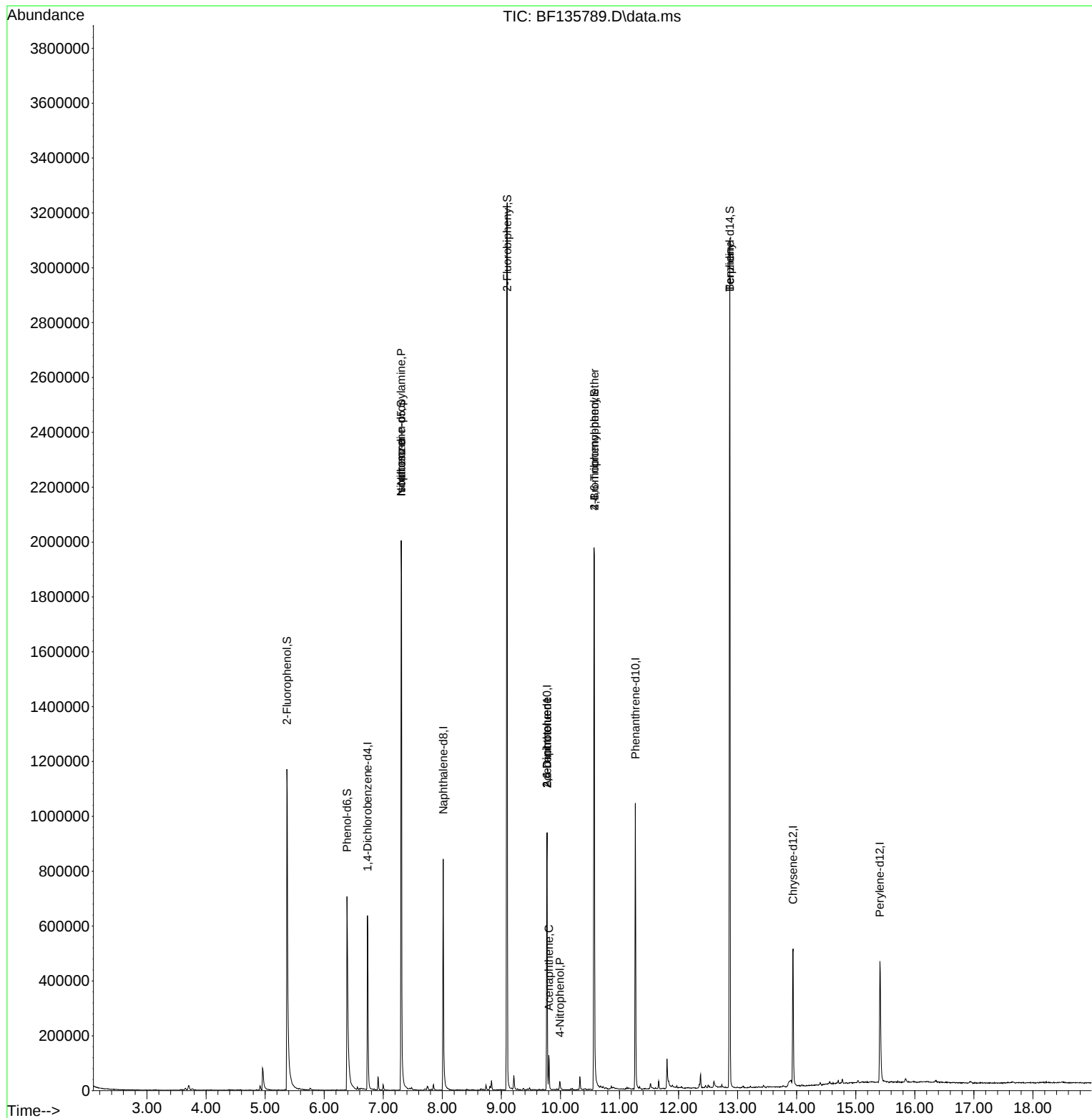
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	100617	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	366324	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	188890	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	376453	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	193600	20.000	ng	-0.01
86) Perylene-d12	15.409	264	229277	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	440451	70.379	ng	0.00
7) Phenol-d6	6.387	99	344203	44.080	ng	-0.01
23) Nitrobenzene-d5	7.304	82	660800	99.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	266528	147.046	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1061266	87.845	ng	0.00
79) Terphenyl-d14	12.868	244	1100676	105.287	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	88481	18.326	ng	# 79
25) Isophorone	7.304	82	660796	52.588	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	24329	8.872	ng	# 16
52) Acenaphthene	9.804	154	27054	2.616	ng	# 98
56) 4-Nitrophenol	9.992	139	5388	8.751	ng	# 7
57) 2,4-Dinitrotoluene	9.775	165	24329	6.974	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	16480	4.361	ng	# 1
77) Benzidine	12.868	184	13763	3.258	ng	# 96

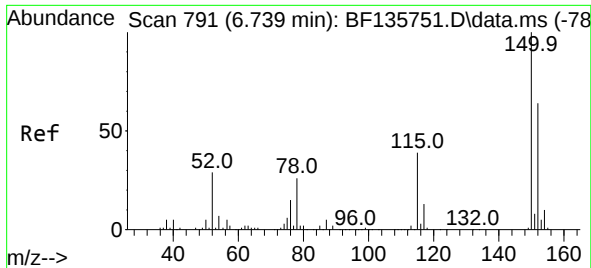
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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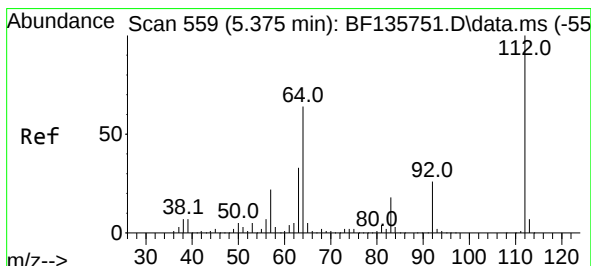
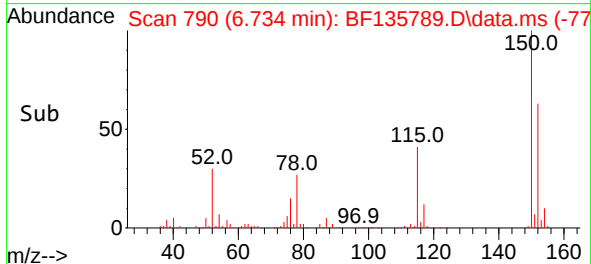
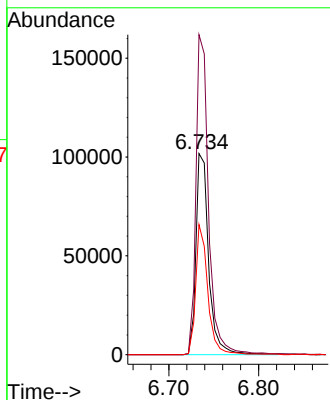
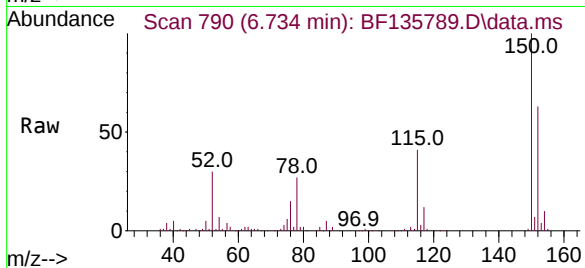




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

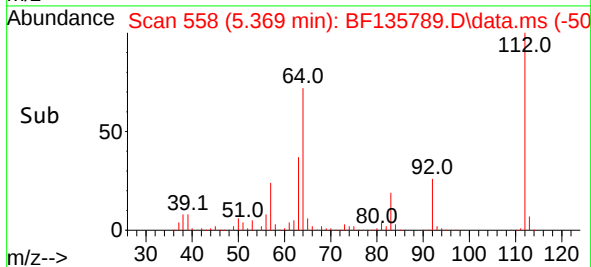
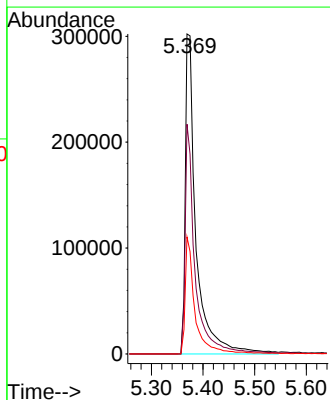
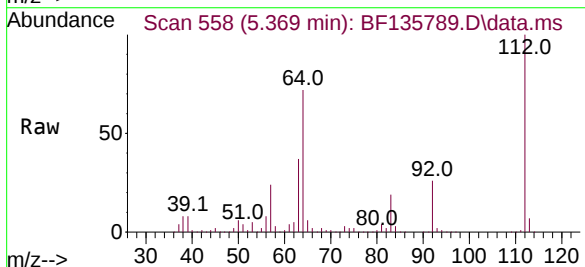
Instrument :
BNA_F
ClientSampleId :
SVS-GROUNDWATER

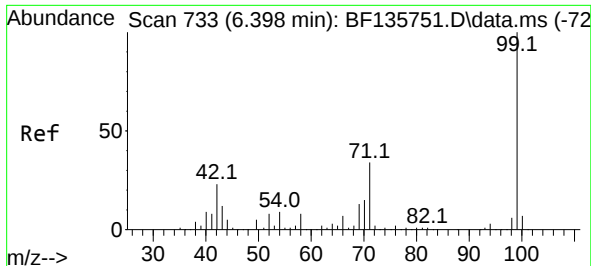
Tgt Ion:152 Resp: 100617
Ion Ratio Lower Upper
152 100
150 159.2 124.5 186.7
115 64.7 49.0 73.4



#5
2-Fluorophenol
Concen: 70.379 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Tgt Ion:112 Resp: 440451
Ion Ratio Lower Upper
112 100
64 71.8 51.2 76.8
63 36.5 26.1 39.1

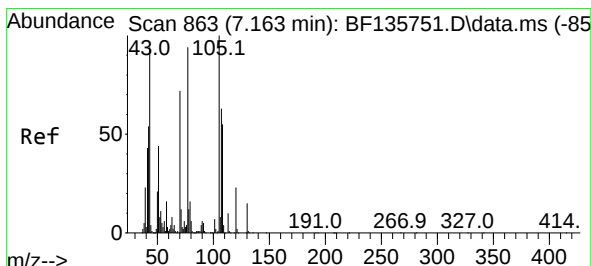
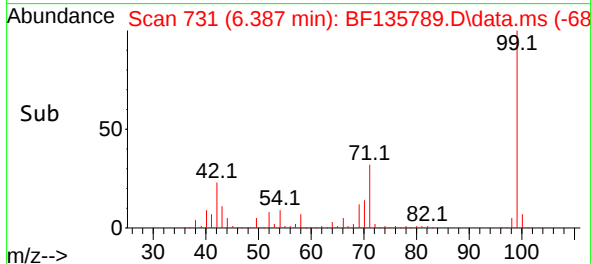
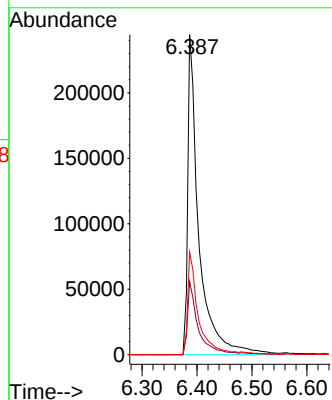
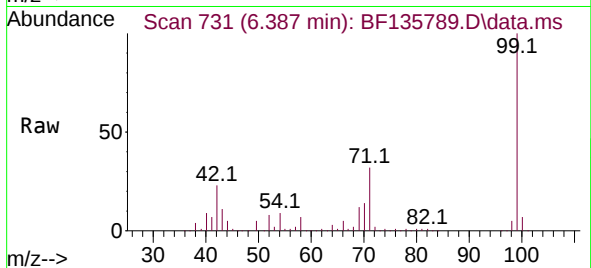




#7
Phenol-d6
Concen: 44.080 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

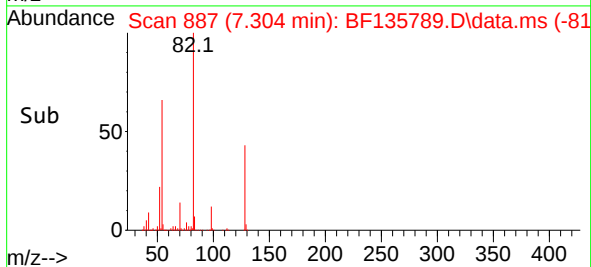
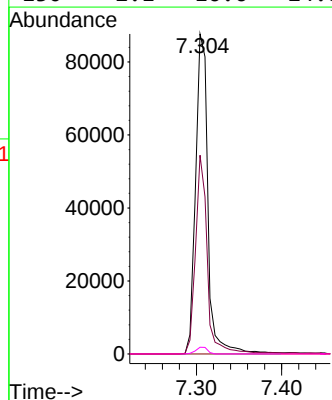
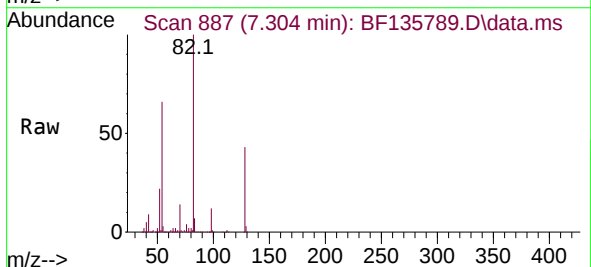
Instrument :
BNA_F
ClientSampleId :
SVS-GROUNDWATER

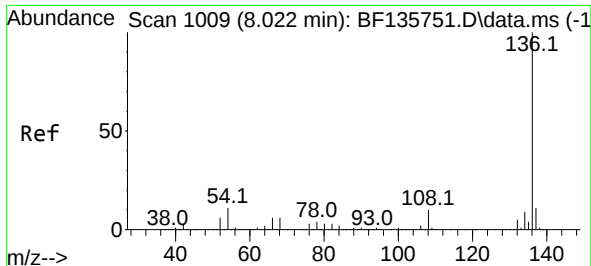
Tgt Ion: 99 Resp: 344203
Ion Ratio Lower Upper
99 100
42 22.9 18.4 27.6
71 32.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.326 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Tgt Ion: 70 Resp: 88481
Ion Ratio Lower Upper
70 100
42 62.1 59.8 89.6
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#



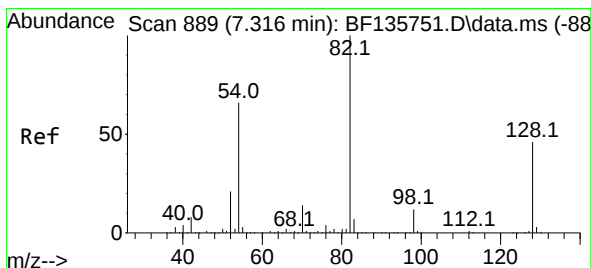
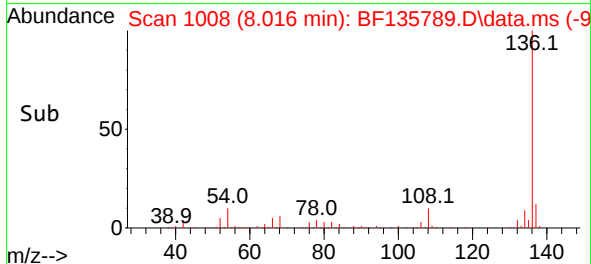
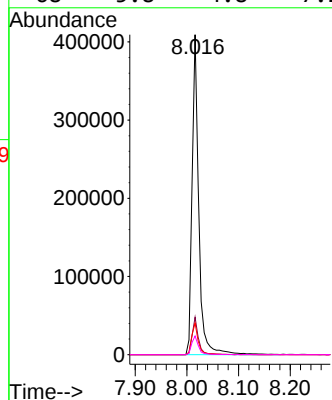
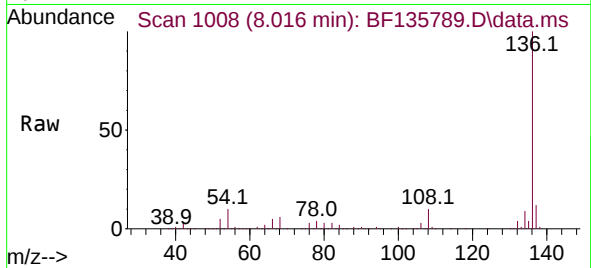


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Instrument :
BNA_F
ClientSampleId :
SVS-GROUNDWATER

Tgt Ion:136 Resp: 366324

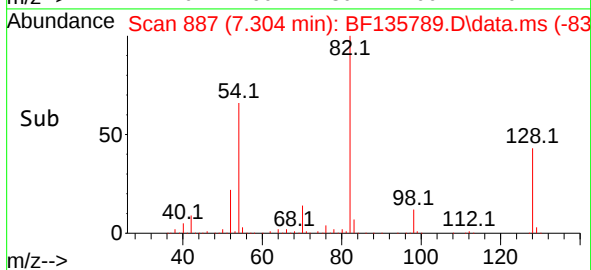
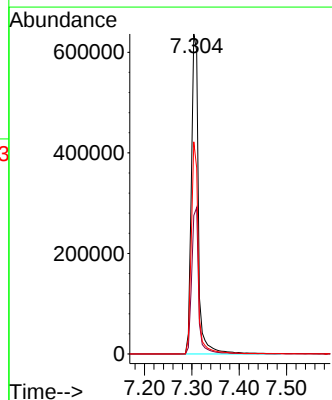
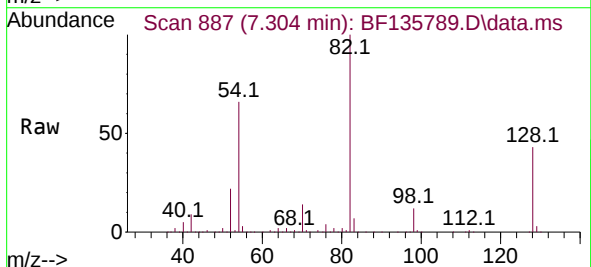
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.6	12.8
54	9.8	8.5	12.7
68	5.8	4.8	7.2

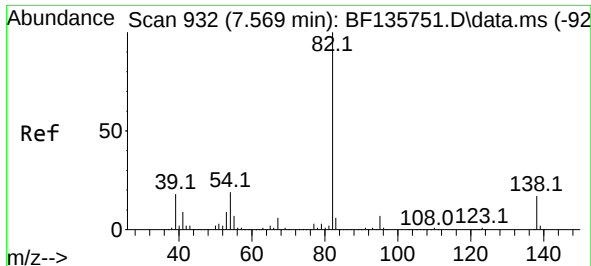


#23
Nitrobenzene-d5
Concen: 99.211 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Tgt Ion: 82 Resp: 660800

Ion	Ratio	Lower	Upper
82	100		
128	43.2	37.0	55.6
54	66.3	52.8	79.2

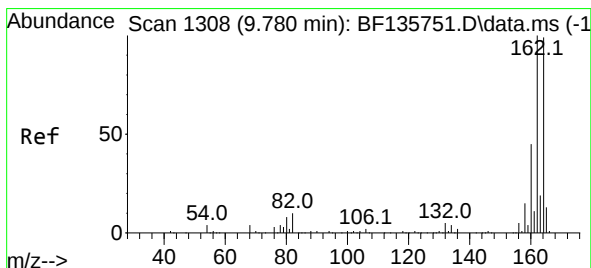
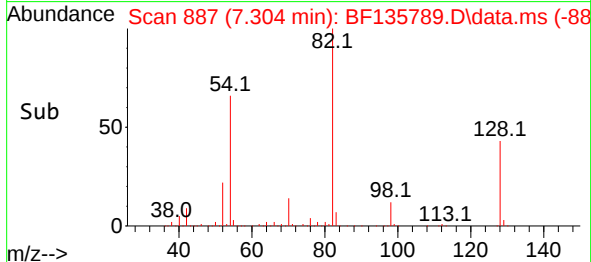
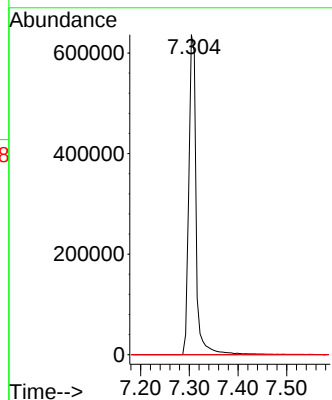
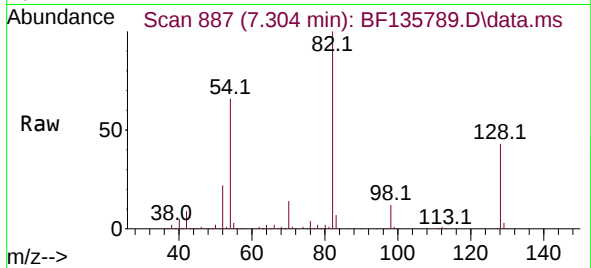




#25
Isophorone
Concen: 52.588 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

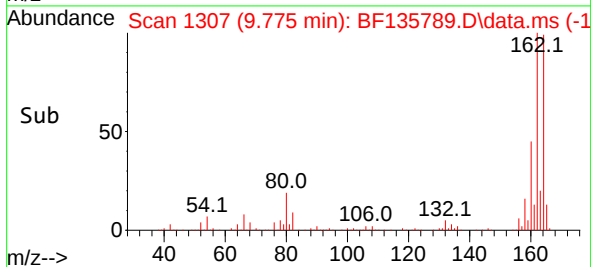
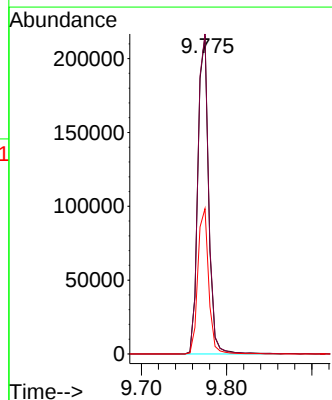
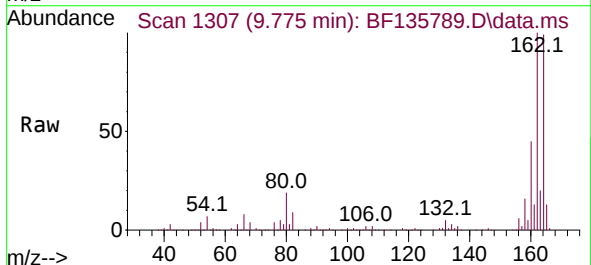
Instrument :
BNA_F
ClientSampleId :
SVS-GROUNDWATER

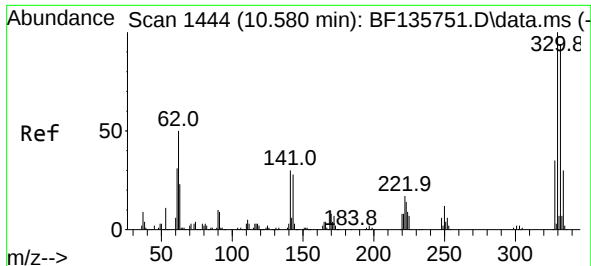
Tgt Ion: 82 Resp: 660796
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Tgt Ion:164 Resp: 188890
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 45.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 147.046 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135789.D

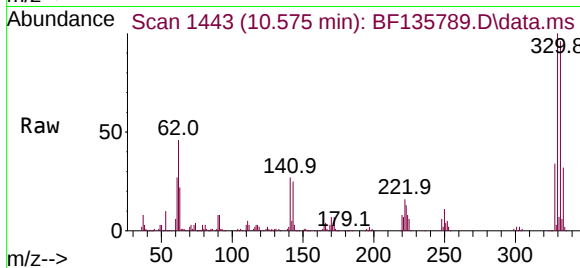
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Instrument :

BNA_F

ClientSampleId :

SVS-GROUNDWATER



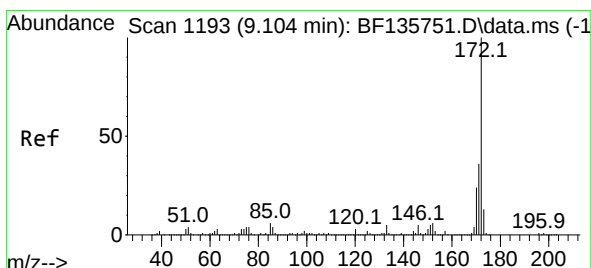
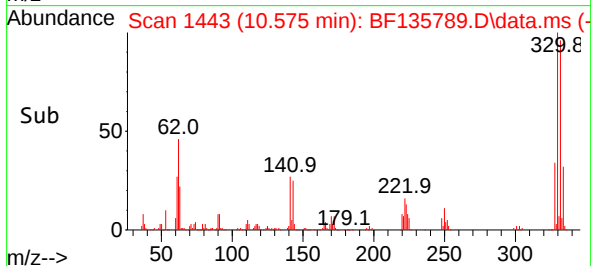
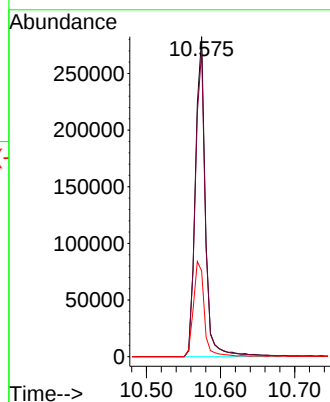
Tgt Ion:330 Resp: 266528

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.4

141 32.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 87.845 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

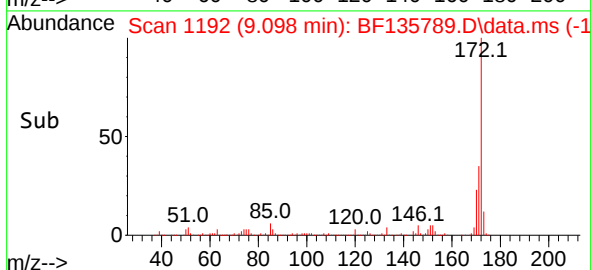
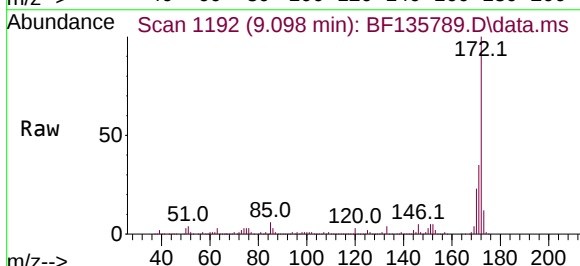
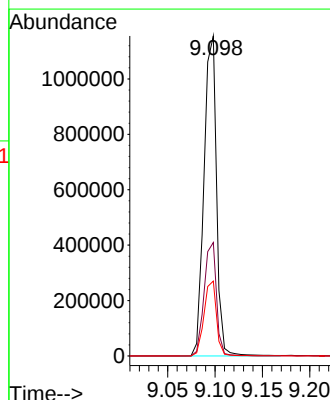
Tgt Ion:172 Resp: 1061266

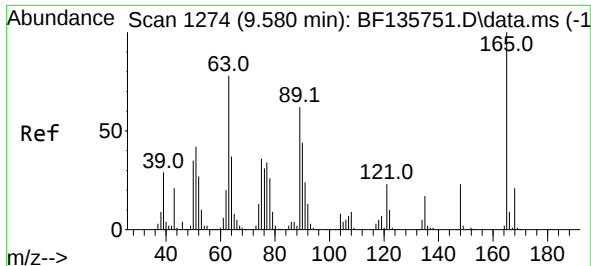
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.872 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

SVS-GROUNDWATER

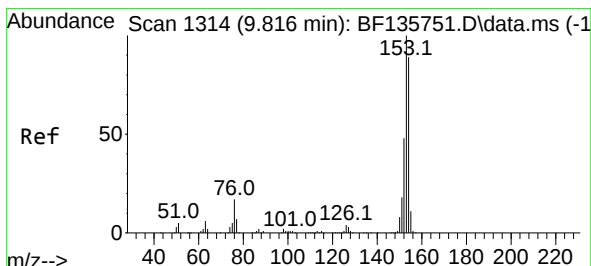
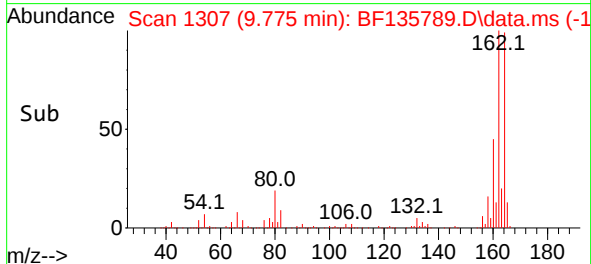
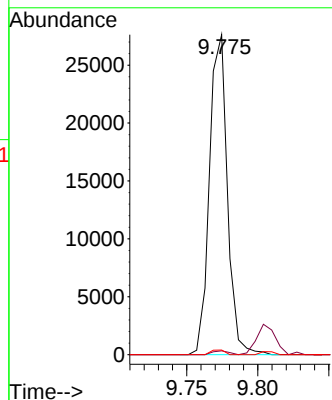
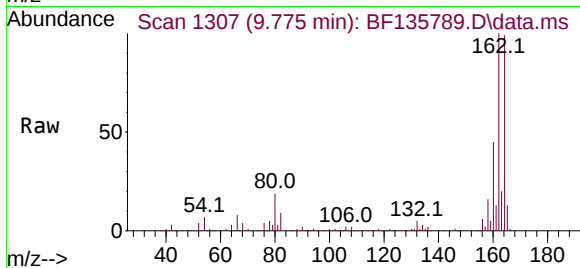
Tgt Ion:165 Resp: 24329

Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.5 49.6 74.4#



#52

Acenaphthene

Concen: 2.616 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

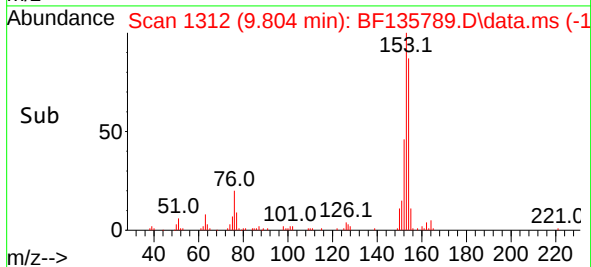
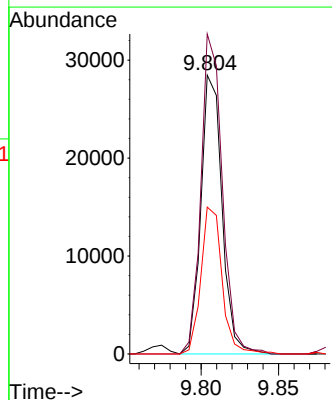
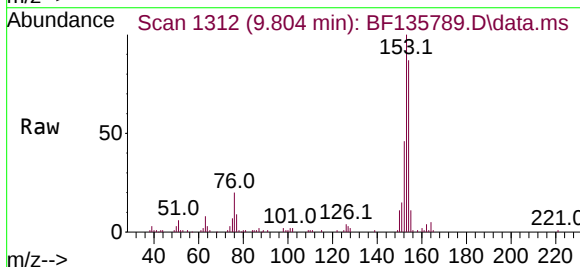
Tgt Ion:154 Resp: 27054

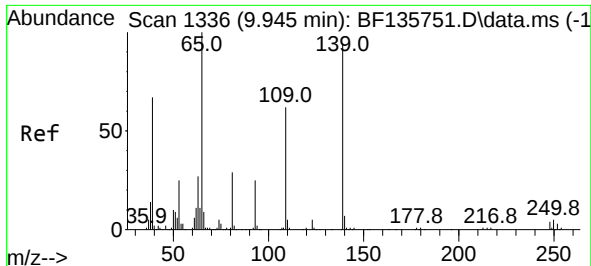
Ion Ratio Lower Upper

154 100

153 114.8 90.1 135.1

152 52.7 43.1 64.7

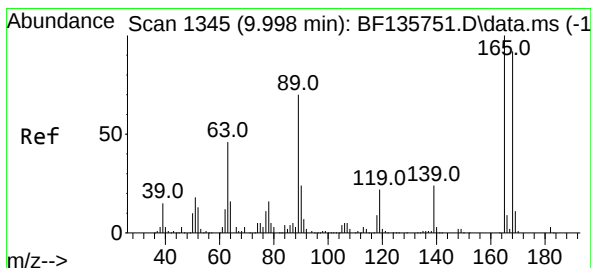
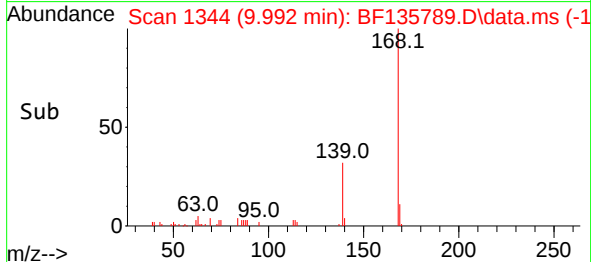
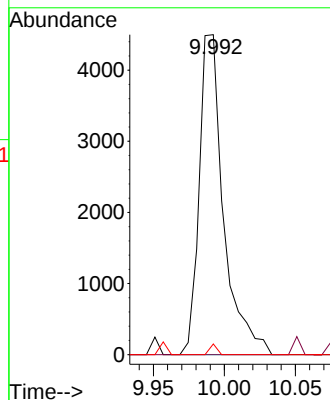
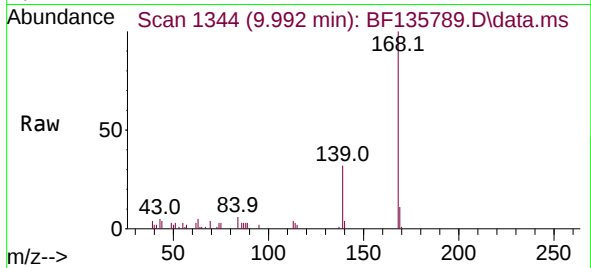




#56
4-Nitrophenol
Concen: 8.751 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

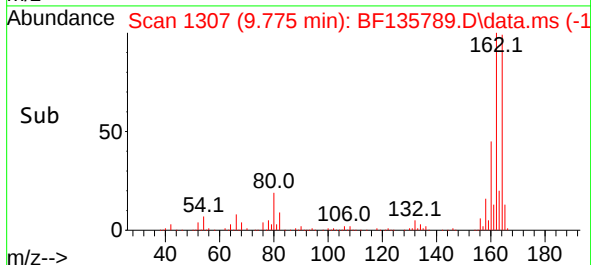
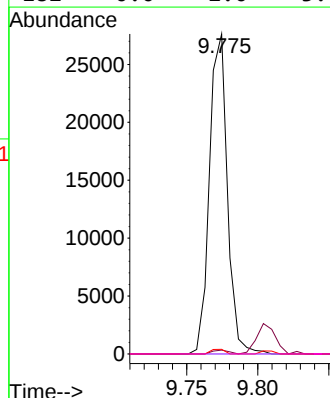
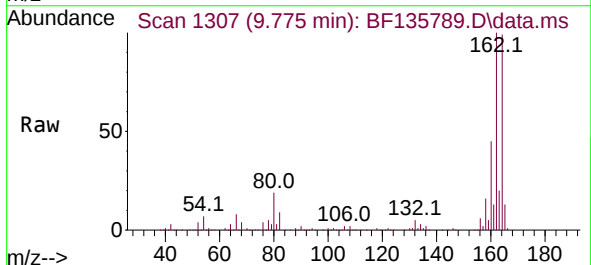
Instrument :
BNA_F
ClientSampleId :
SVS-GROUNDWATER

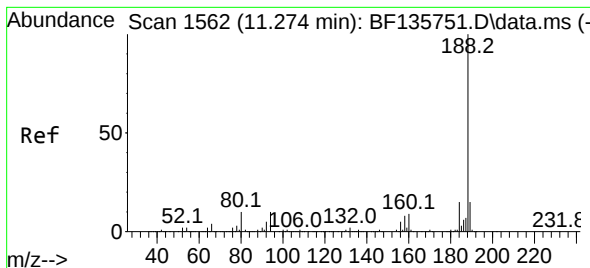
Tgt Ion:139 Resp: 5388
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 3.4 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 6.974 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135789.D
Acq: 16 Oct 2023 21:53

Tgt Ion:165 Resp: 24329
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.5 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

SVS-GROUNDWATER

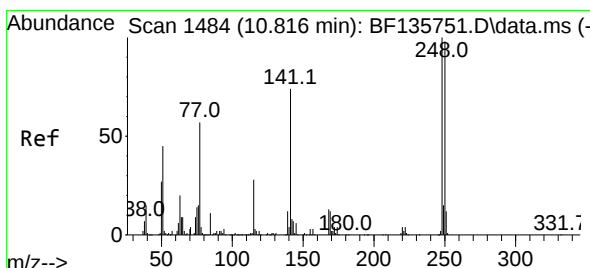
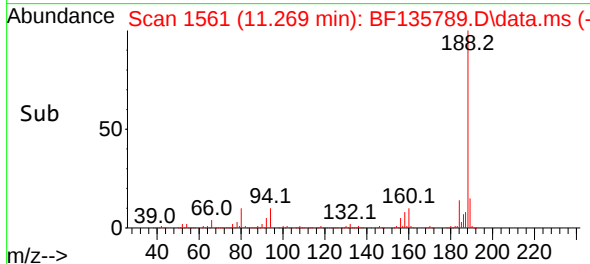
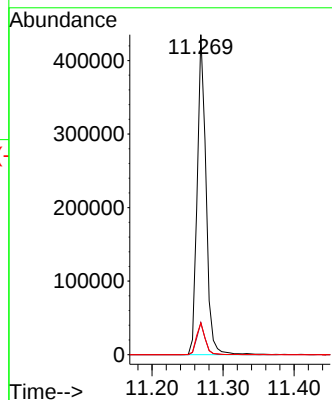
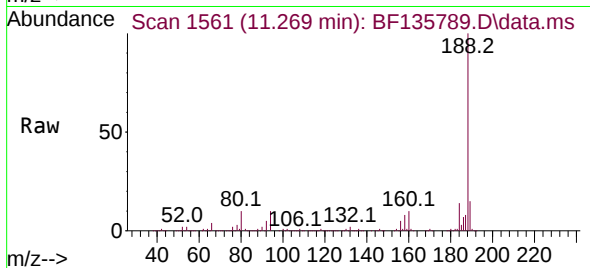
Tgt Ion:188 Resp: 376453

Ion Ratio Lower Upper

188 100

94 10.1 8.0 12.0

80 9.9 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 4.361 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

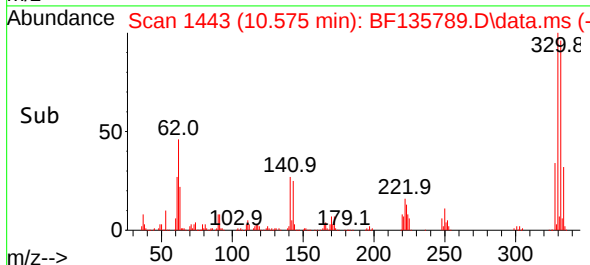
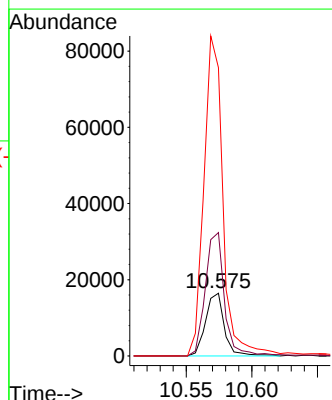
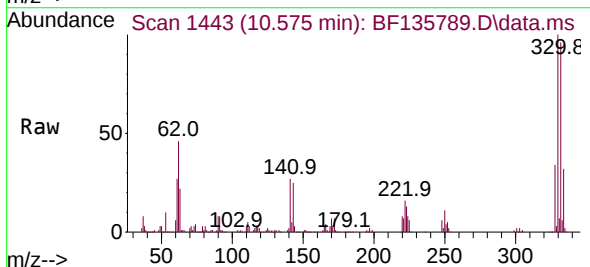
Tgt Ion:248 Resp: 16480

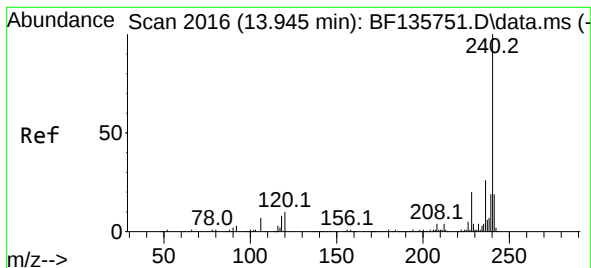
Ion Ratio Lower Upper

248 100

250 196.5 78.0 117.0#

141 459.1 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

SVS-GROUNDWATER

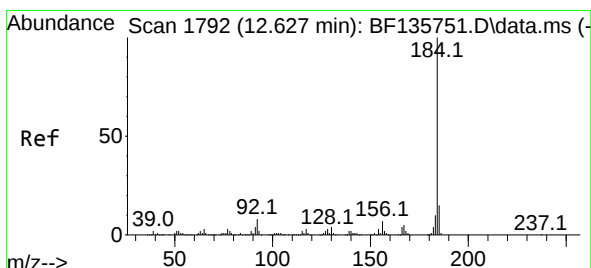
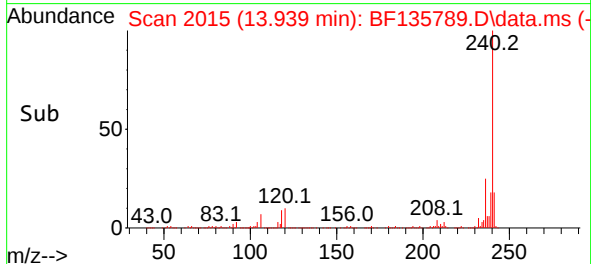
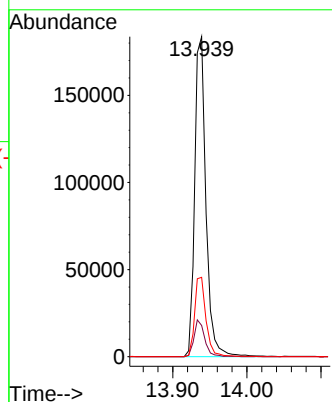
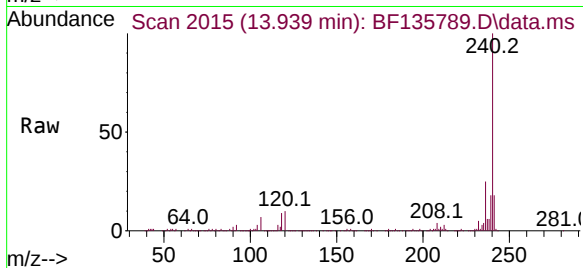
Tgt Ion:240 Resp: 193600

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 24.8 21.2 31.8



#77

Benidine

Concen: 3.258 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135789.D

Acq: 16 Oct 2023 21:53

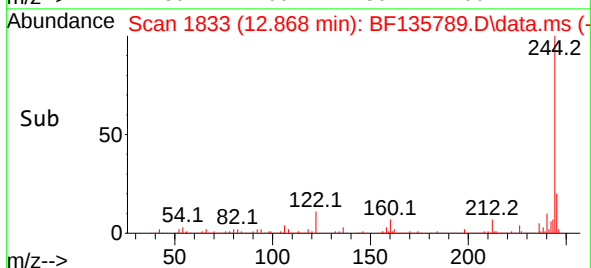
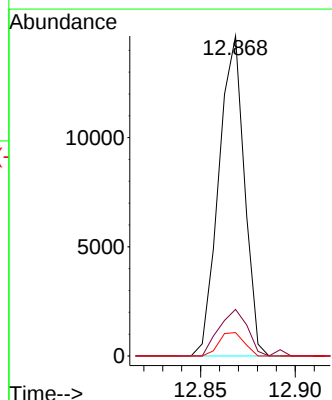
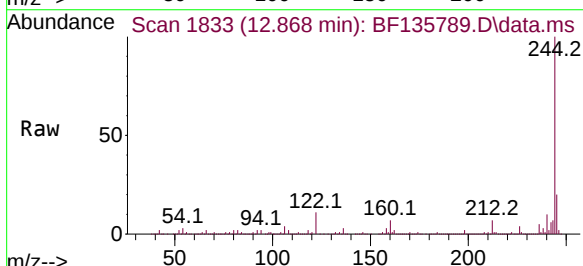
Tgt Ion:184 Resp: 13763

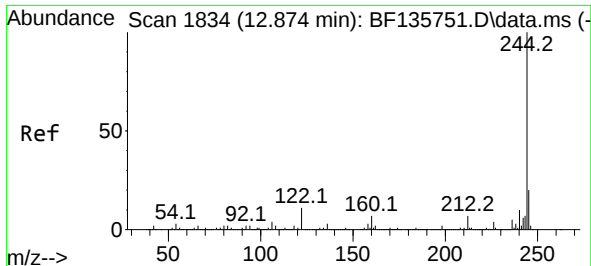
Ion Ratio Lower Upper

184 100

185 14.6 12.0 18.0

183 7.3 8.2 12.2#

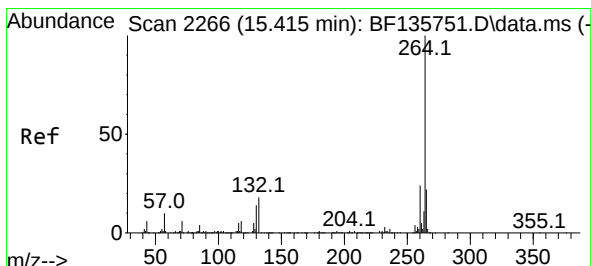
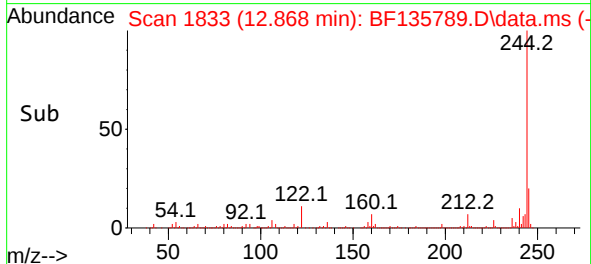
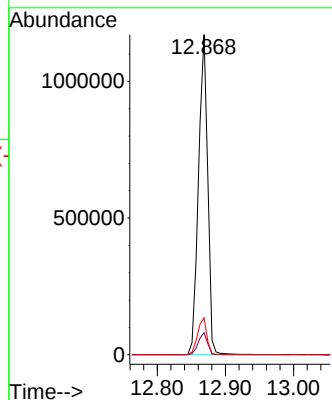
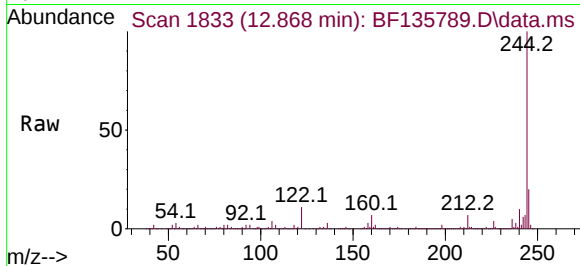




#79
 Terphenyl-d14
 Concen: 105.287 ng
 RT: 12.868 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135789.D
 Acq: 16 Oct 2023 21:53

Instrument :
 BNA_F
 ClientSampleId :
 SVS-GROUNDWATER

Tgt Ion:244 Resp: 1100676
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.5 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135789.D
 Acq: 16 Oct 2023 21:53

Tgt Ion:264 Resp: 229277
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 20.9 17.4 26.2

