

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135646.D
 Acq On : 09 Oct 2023 11:58
 Operator : CG\JU
 Sample : 04778-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NBS-GROUNDWATER

Quant Time: Oct 09 12:55:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

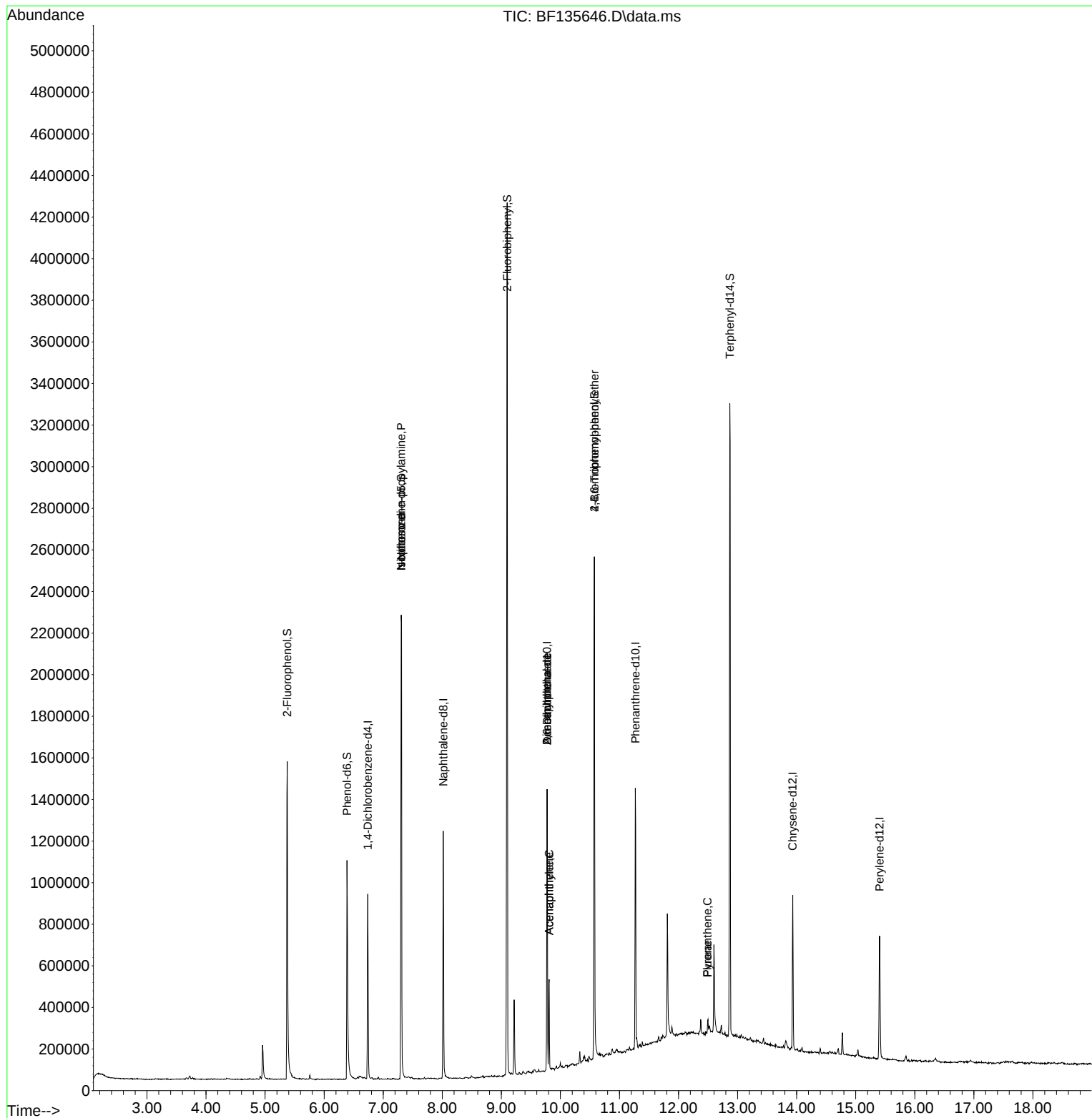
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	130967	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	508484	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	258941	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	480391	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	249845	20.000	ng	0.00
86) Perylene-d12	15.404	264	271536	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	489644	60.808	ng	0.00
7) Phenol-d6	6.387	99	402635	39.324	ng	0.00
23) Nitrobenzene-d5	7.304	82	794924	84.934	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	311314	120.981	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1348606	78.577	ng	0.00
79) Terphenyl-d14	12.869	244	1213663	75.303	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	103601	16.336	ng	# 84
25) Isophorone	7.304	82	794919	46.254	ng	# 65
49) Acenaphthylene	9.810	152	51541	2.148	ng	# 1
50) Dimethylphthalate	9.775	163	50026	2.857	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	33060	8.620	ng	# 18
52) Acenaphthene	9.810	154	99516	7.021	ng	97
67) 4-Bromophenyl-phenylether	10.575	248	19321	4.044	ng	# 1
75) Fluoranthene	12.492	202	25851	1.092	ng	97
78) Pyrene	12.492	202	25851	1.087	ng	98

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

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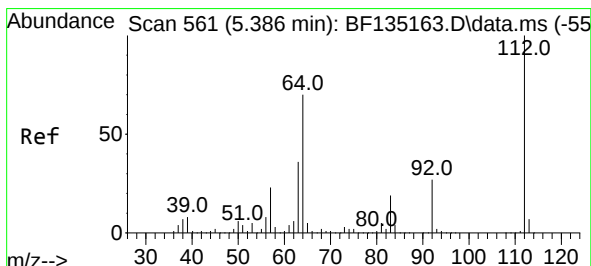
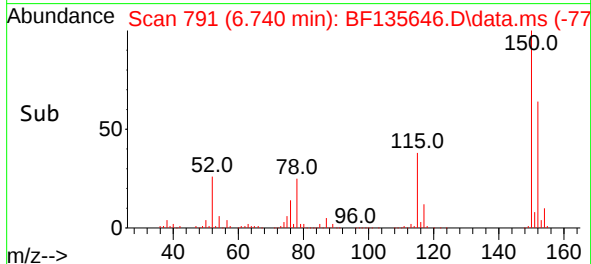
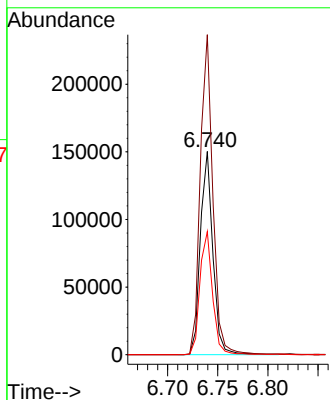
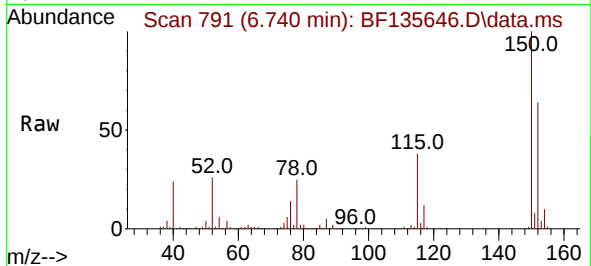




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

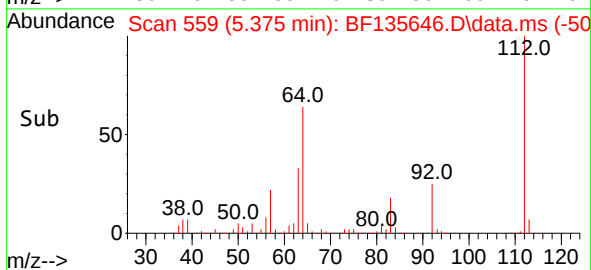
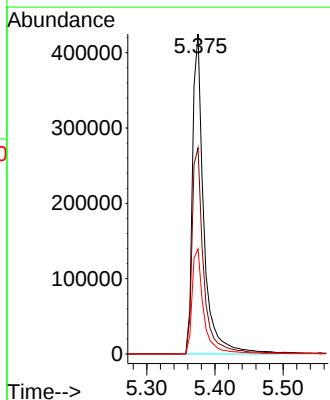
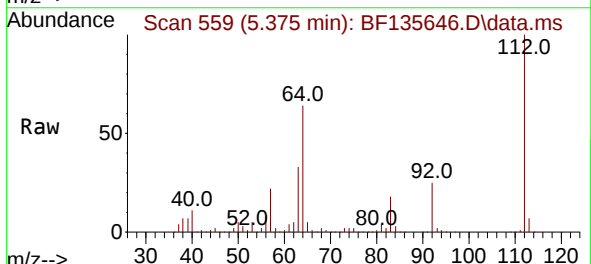
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

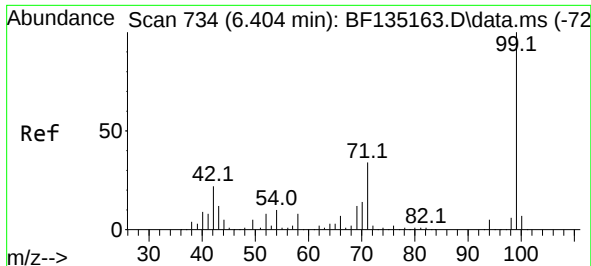
Tgt Ion:152 Resp: 130967
Ion Ratio Lower Upper
152 100
150 157.4 127.8 191.6
115 60.5 49.8 74.8



#5
2-Fluorophenol
Concen: 60.808 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:112 Resp: 489644
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.9 29.0 43.6

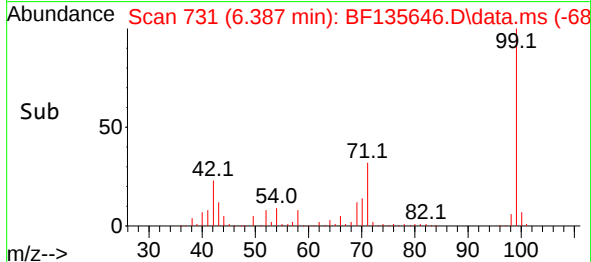
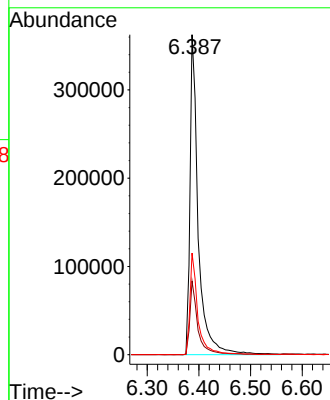
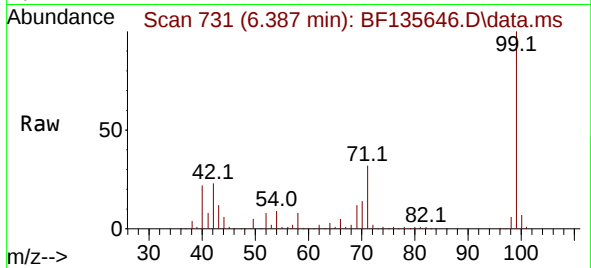




#7
Phenol-d6
Concen: 39.324 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

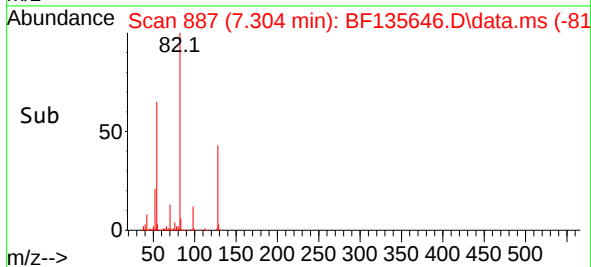
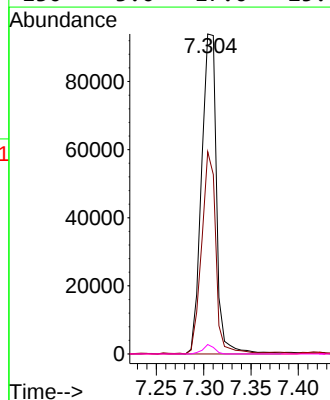
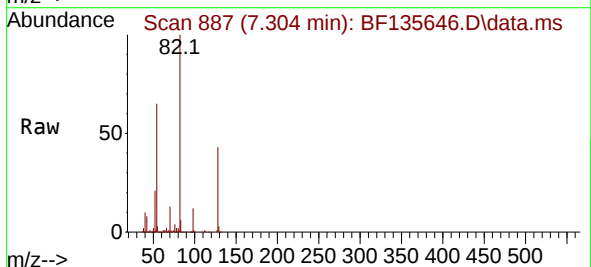
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

Tgt Ion: 99 Resp: 402635
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 31.7 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.336 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion: 70 Resp: 103601
Ion Ratio Lower Upper
70 100
42 63.2 55.4 83.0
101 0.0 7.7 11.5#
130 3.0 17.0 25.6#

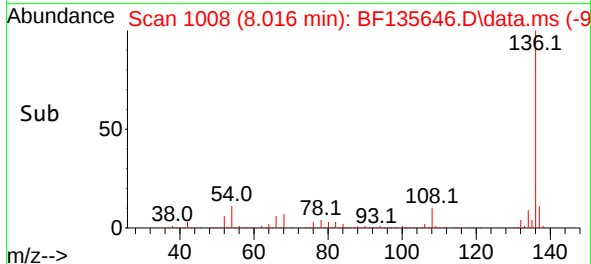
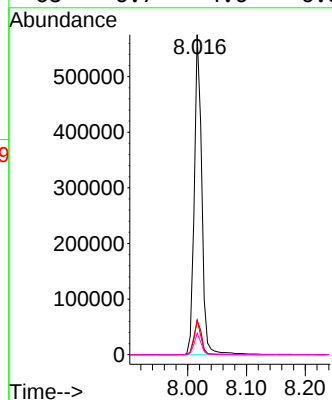
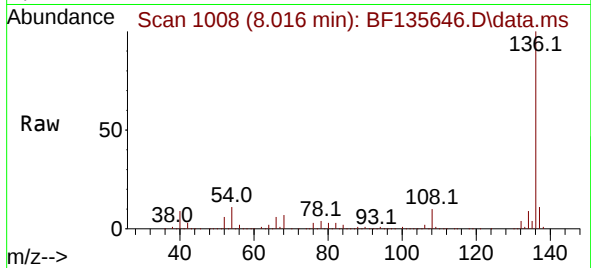




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

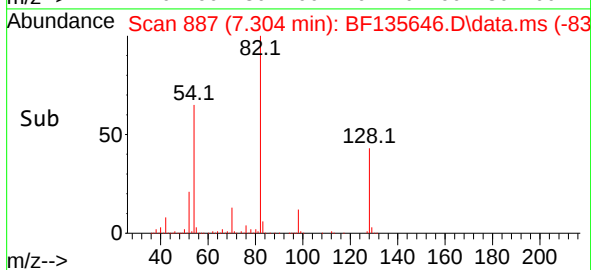
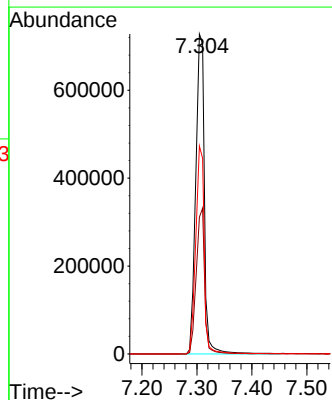
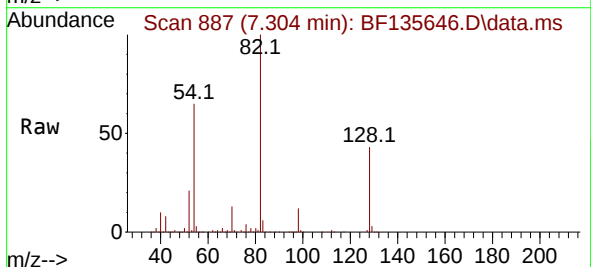
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

Tgt Ion:136 Resp: 508484
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.7 7.7 11.5
68 6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 84.934 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion: 82 Resp: 794924
Ion Ratio Lower Upper
82 100
128 42.8 35.8 53.6
54 65.0 50.6 76.0

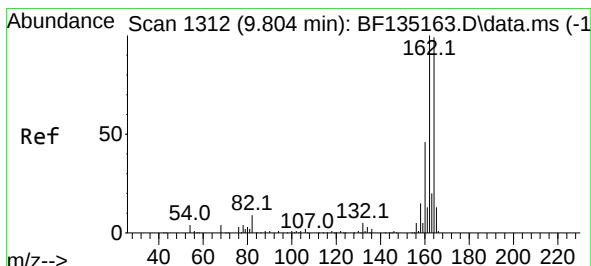
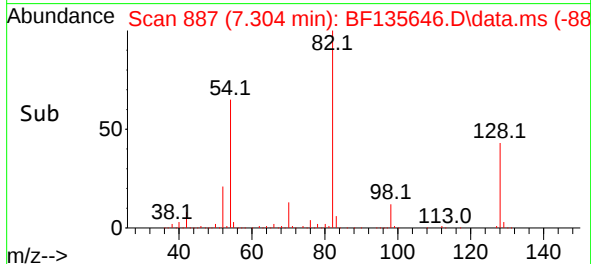
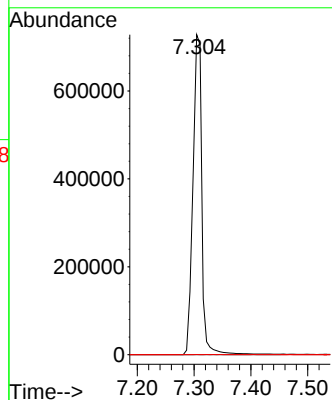
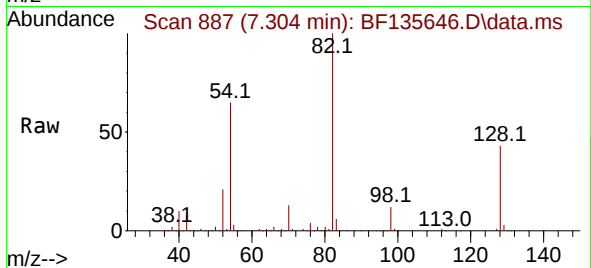




#25
Isophorone
Concen: 46.254 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

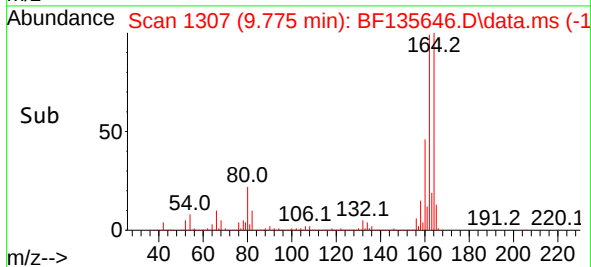
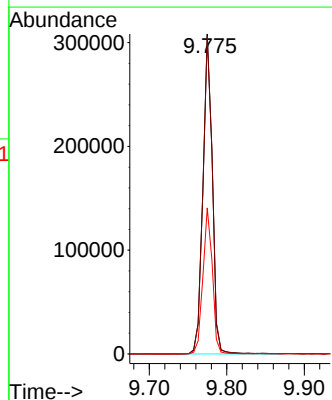
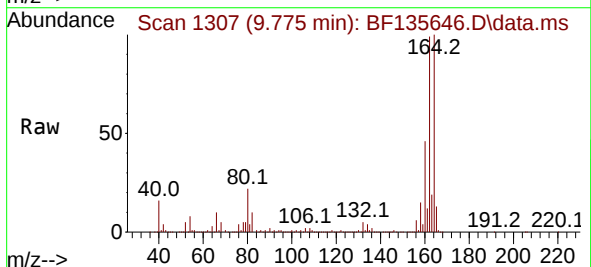
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

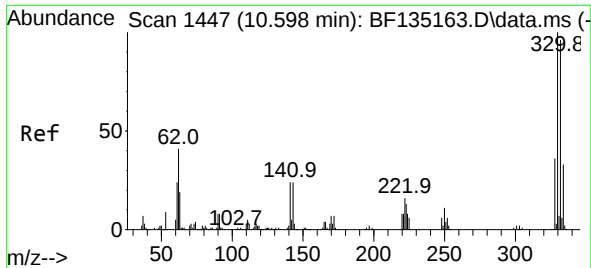
Tgt Ion: 82 Resp: 794919
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

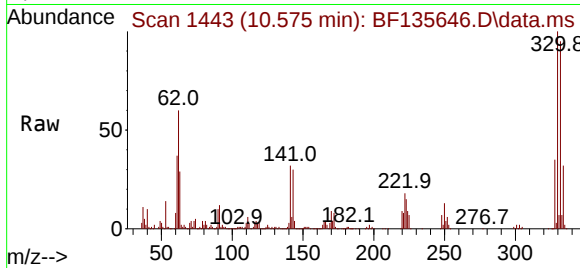
Tgt Ion:164 Resp: 258941
Ion Ratio Lower Upper
164 100
162 99.3 81.0 121.4
160 45.6 37.0 55.4



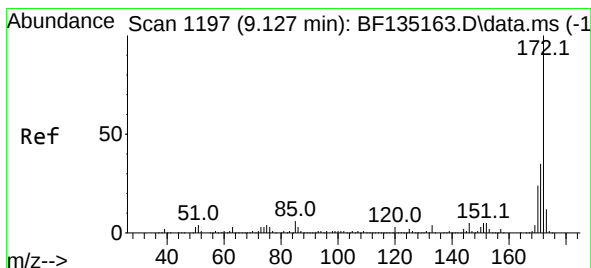
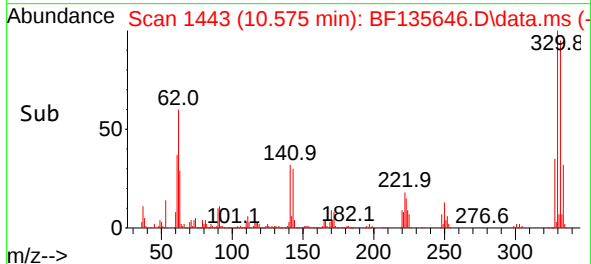
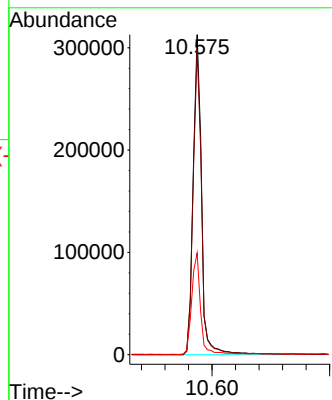


#42
2,4,6-Tribromophenol
Concen: 120.981 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

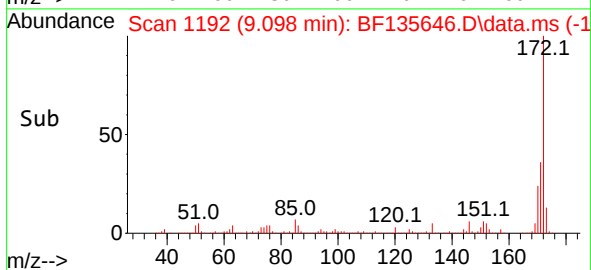
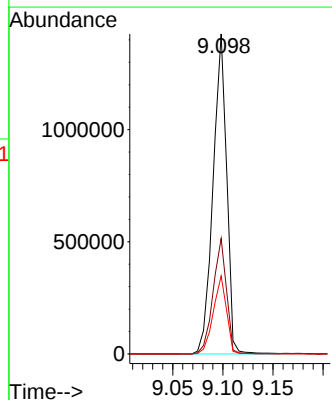
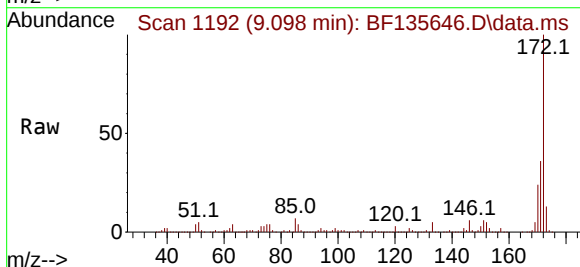


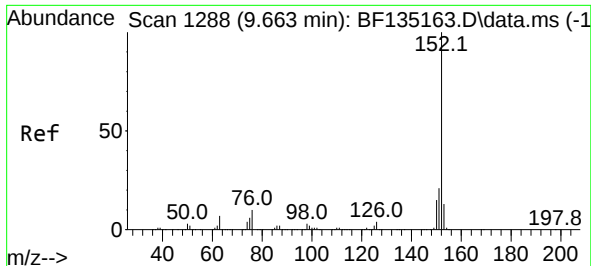
Tgt Ion:330 Resp: 311314
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 78.577 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:172 Resp: 1348606
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 24.4 19.0 28.4

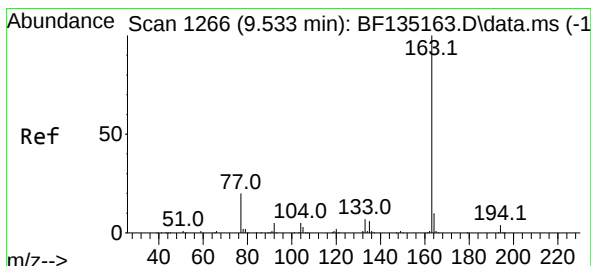
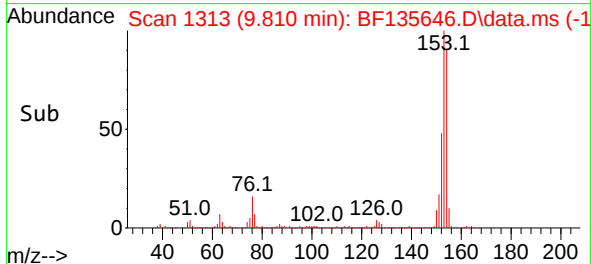
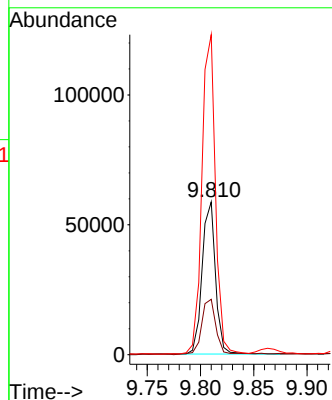
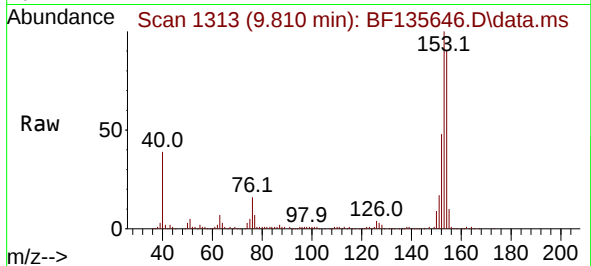




#49
Acenaphthylene
Concen: 2.148 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.171 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

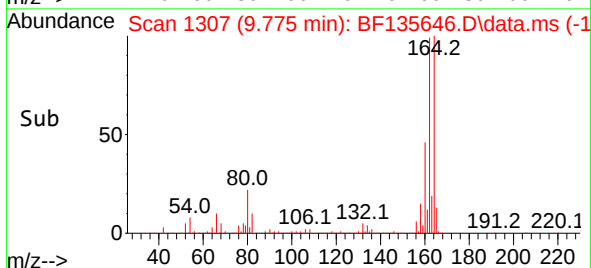
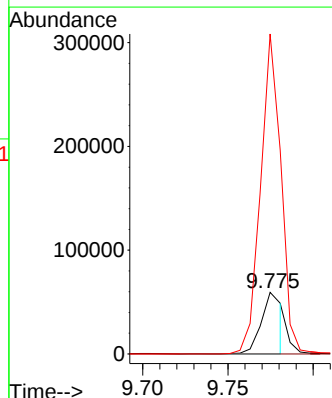
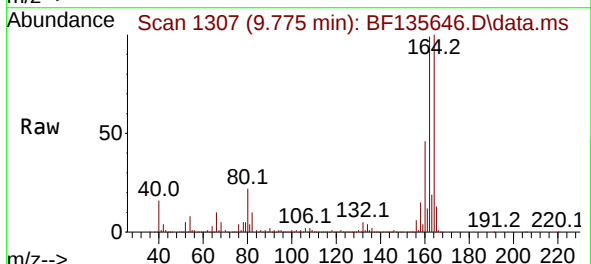
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

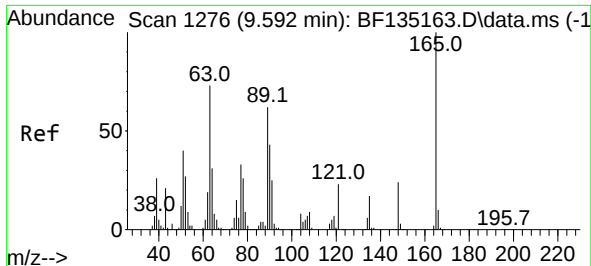
Tgt Ion:152 Resp: 51541
Ion Ratio Lower Upper
152 100
151 36.3 16.4 24.6#
153 209.4 10.4 15.6#



#50
Dimethylphthalate
Concen: 2.857 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:163 Resp: 50026
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 519.8 8.1 12.1#

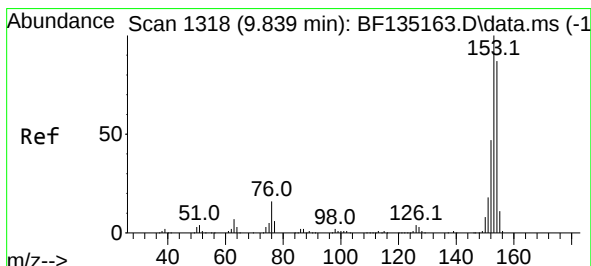
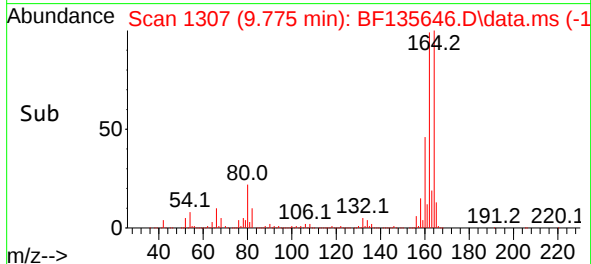
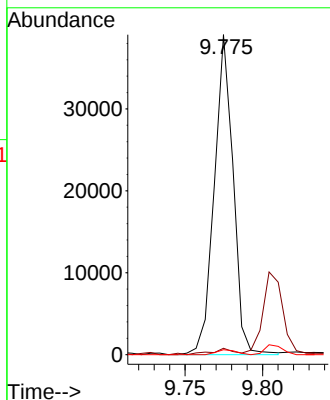
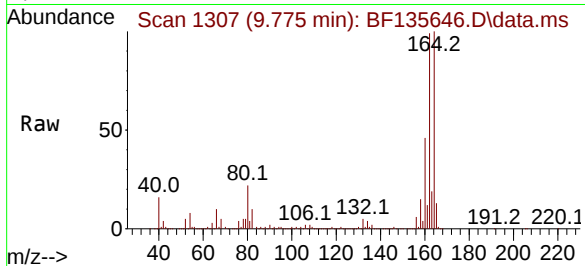




#51
2,6-Dinitrotoluene
Concen: 8.620 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

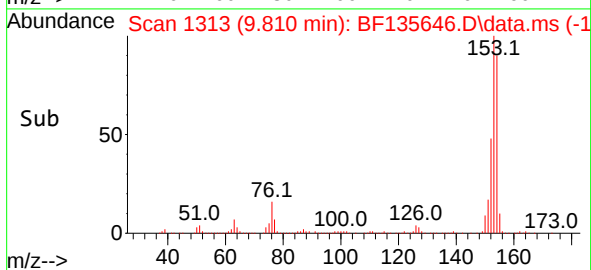
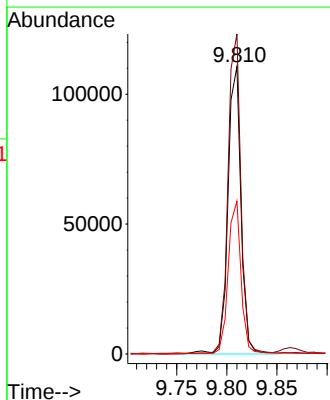
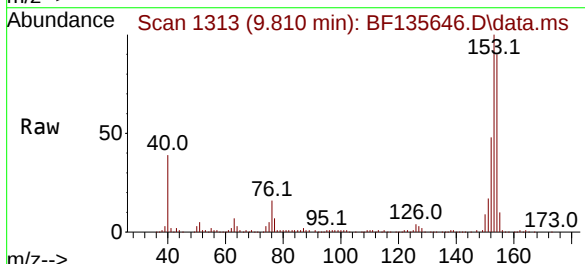
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

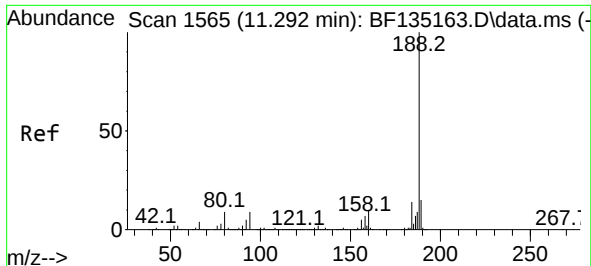
Tgt Ion:165 Resp: 33060
Ion Ratio Lower Upper
165 100
63 2.0 59.4 89.2#
89 1.6 49.8 74.8#



#52
Acenaphthene
Concen: 7.021 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:154 Resp: 99516
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 53.2 43.1 64.7

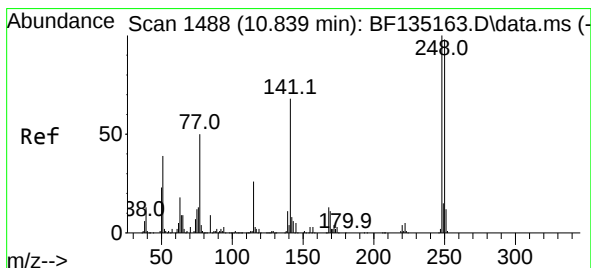
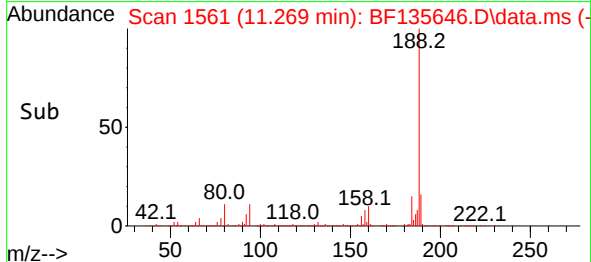
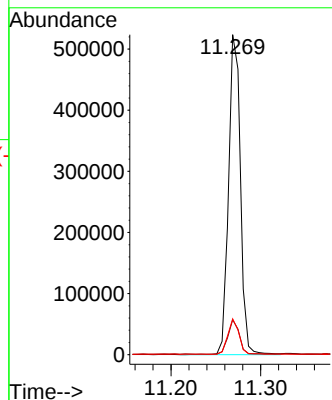
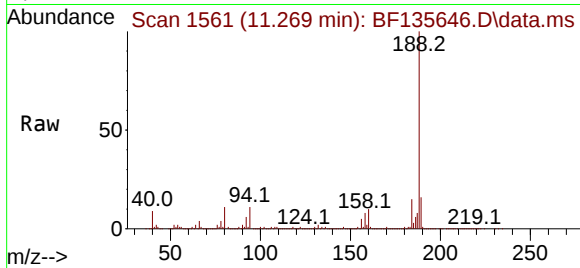




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

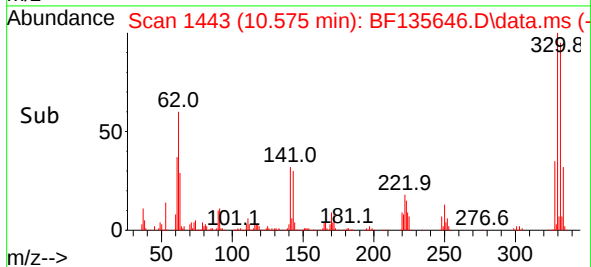
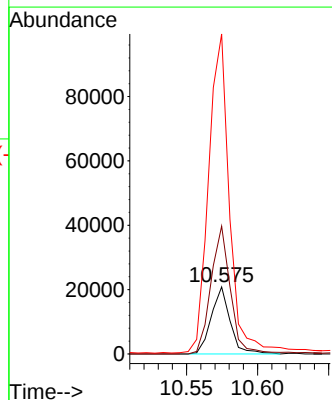
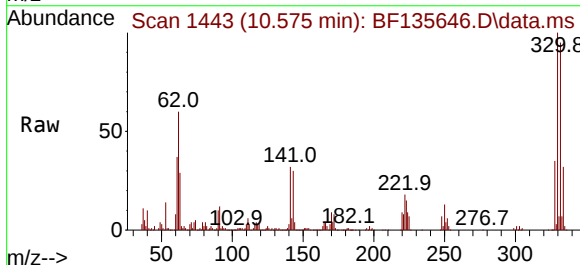
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

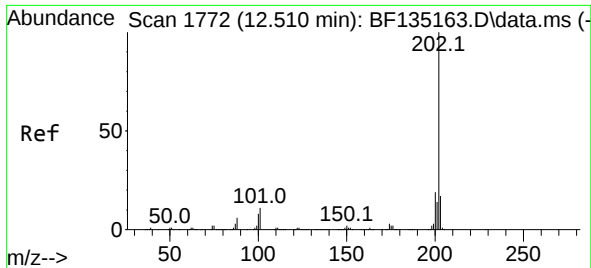
Tgt Ion:188 Resp: 480391
Ion Ratio Lower Upper
188 100
94 10.9 7.0 10.6#
80 11.2 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 4.044 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.235 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:248 Resp: 19321
Ion Ratio Lower Upper
248 100
250 190.9 78.6 117.8#
141 477.6 54.2 81.2#

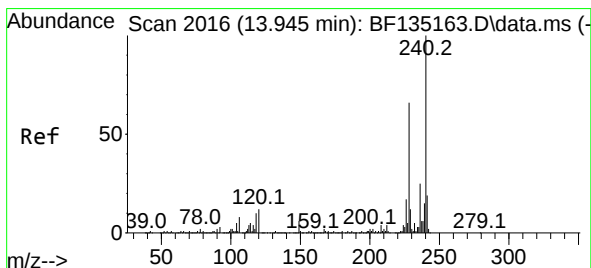
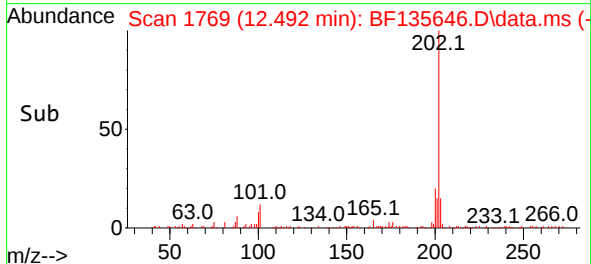
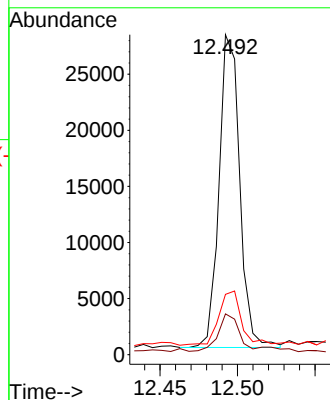
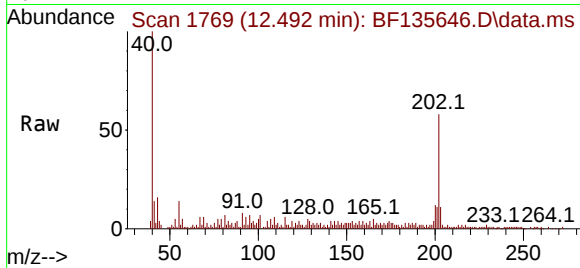




#75
Fluoranthene
Concen: 1.092 ng
RT: 12.492 min Scan# 1769
Delta R.T. 0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

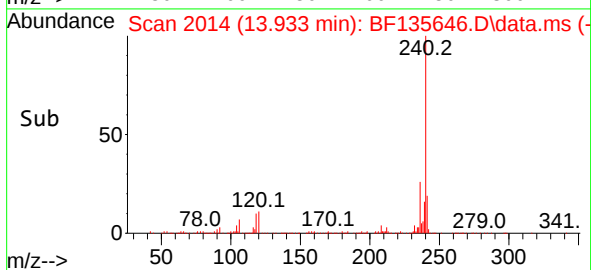
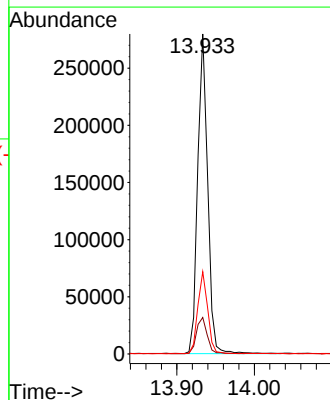
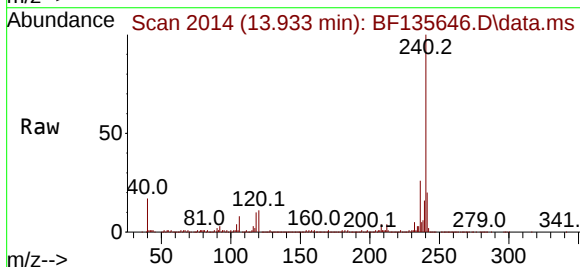
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

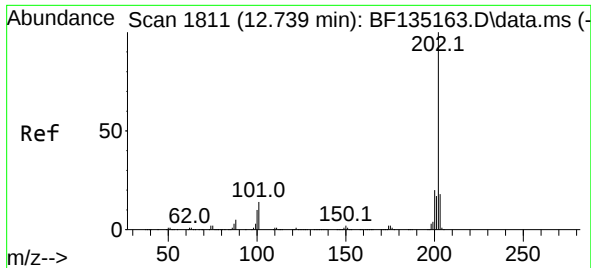
Tgt Ion:	202	Resp:	25851
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.3
203	18.8	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

Tgt Ion:	240	Resp:	249845
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.4	14.2
236	25.7	19.8	29.8

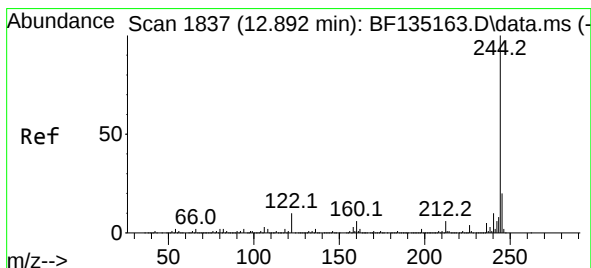
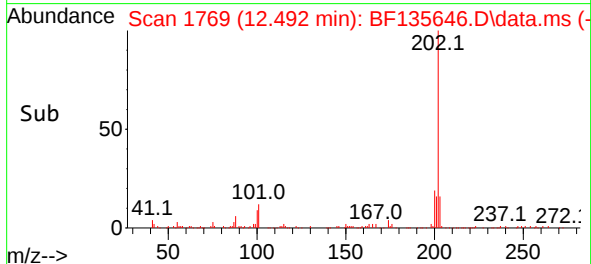
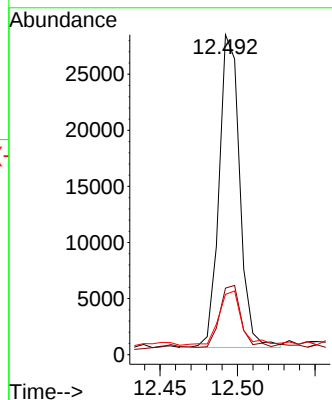
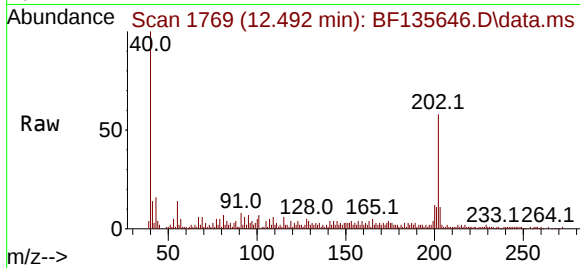




#78
Pyrene
Concen: 1.087 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.223 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

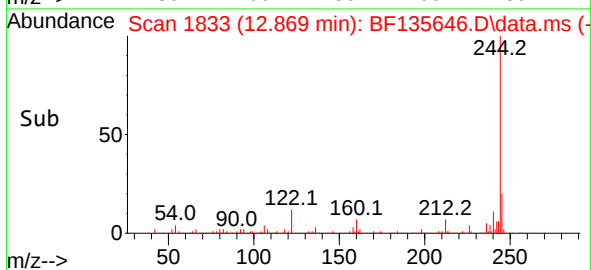
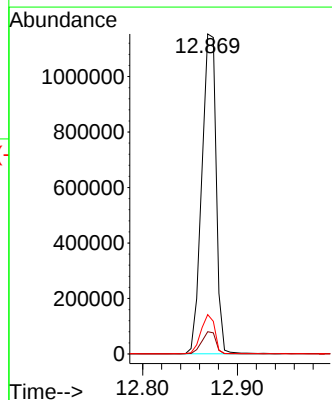
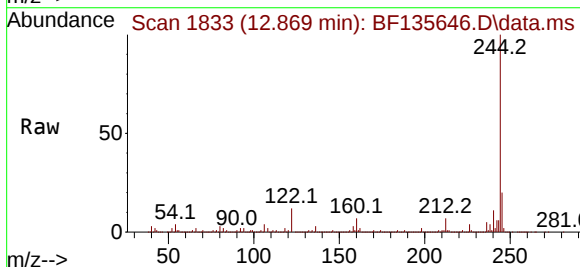
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

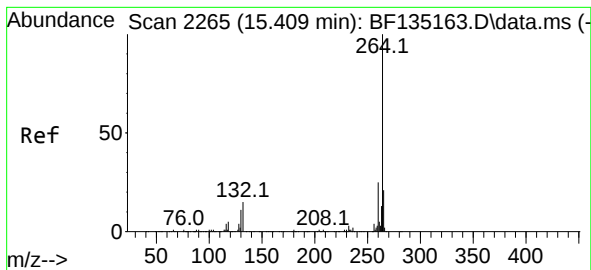
Tgt Ion:	202	Resp:	25851
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.2	24.2
203	18.8	14.2	21.4



#79
Terphenyl-d14
Concen: 75.303 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

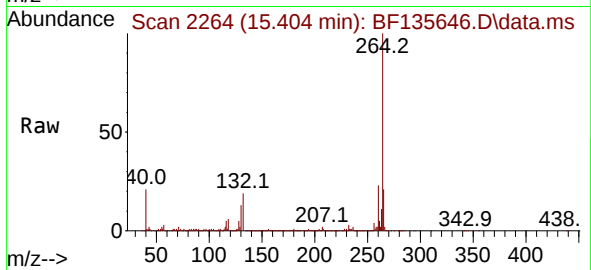
Tgt Ion:	244	Resp:	1213663
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.1	7.7
122	12.3	7.9	11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135646.D
 Acq: 09 Oct 2023 11:58

Instrument :
 BNA_F
 ClientSampleId :
 NBS-GROUNDWATER



Tgt Ion:264 Resp: 271536

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.8	29.6
265	20.8	17.0	25.4

