

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 18:41:48 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)

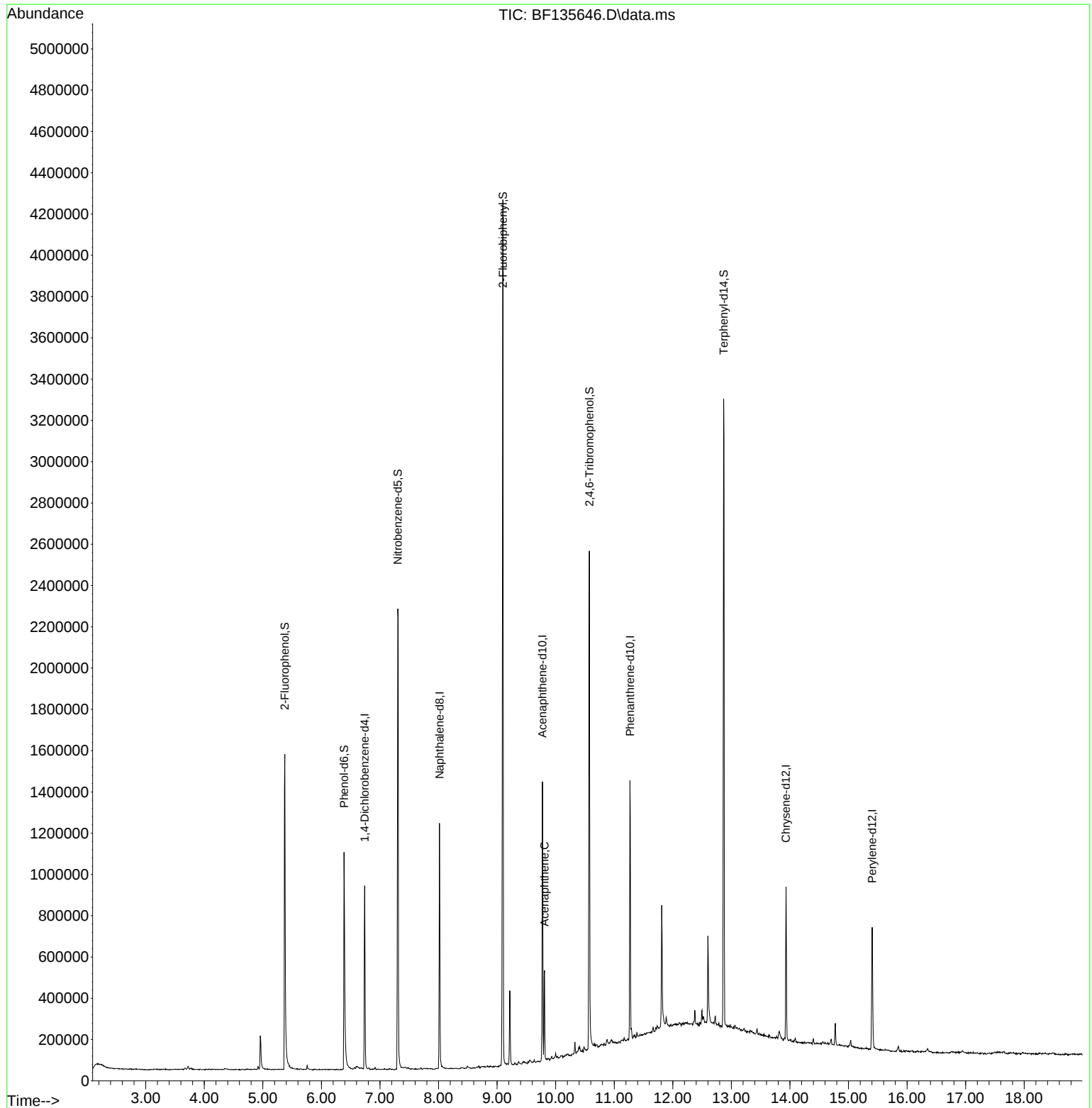
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	130967	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	508484	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	258941	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	480391	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	249845	20.000	ng	0.00
86) Perylene-d12	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						
52) Acenaphthene	9.810	154	99516	7.021	ng	Qvalue 97

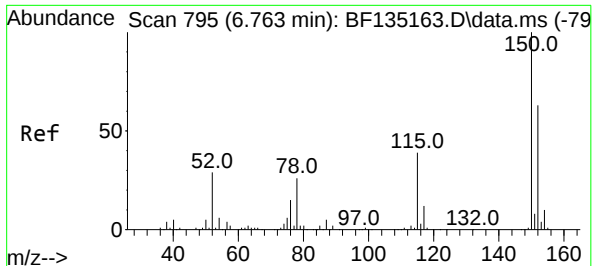
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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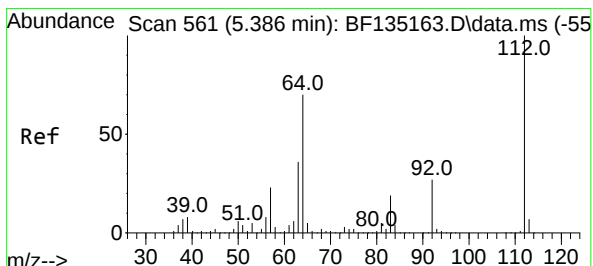
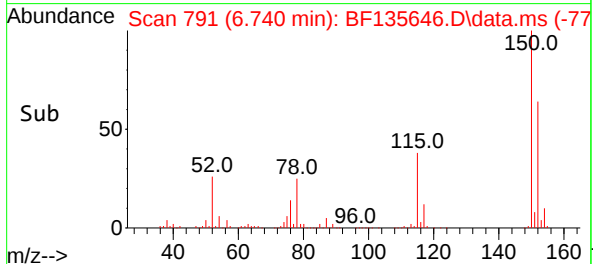
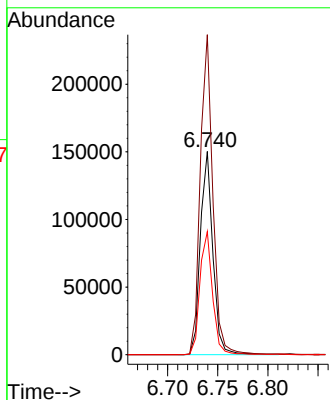
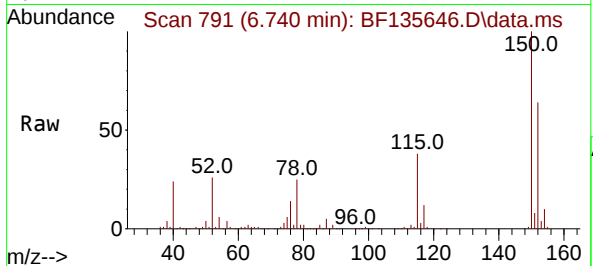




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

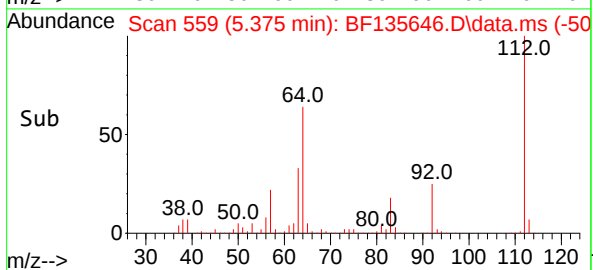
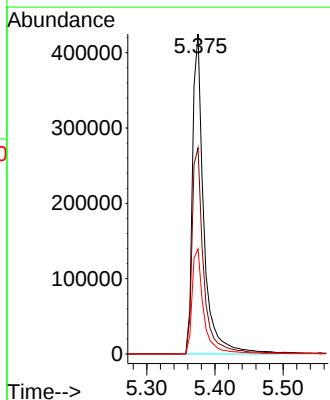
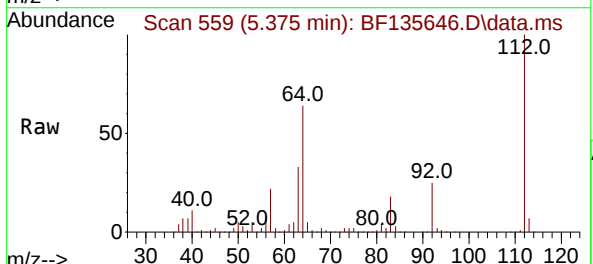
Instrument :
BNA_F
ClientSampleId :
NBS-GROUNDWATER

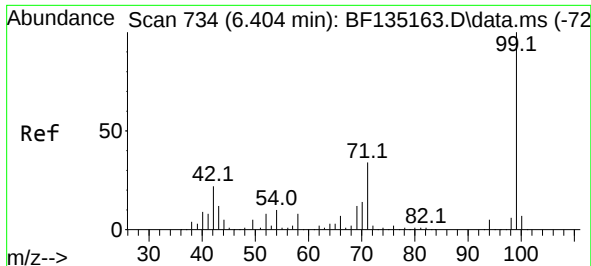
Tgt Ion:152 Resp: 130967
Ion Ratio Lower Upper
152 100
150 157.4 127.8 191.6
115 60.5 49.8 74.8



#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

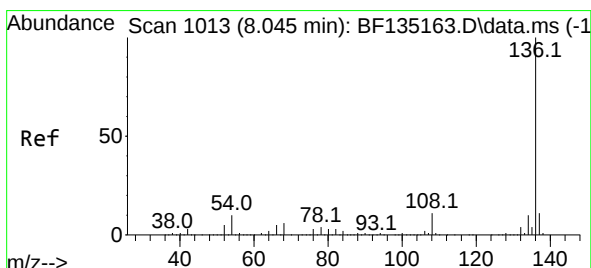
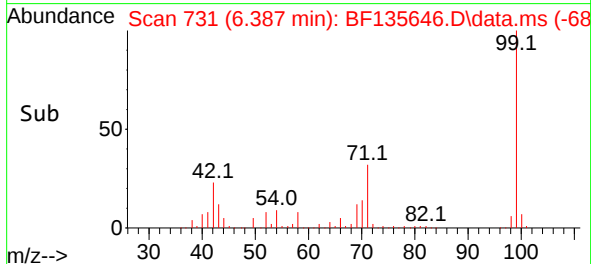
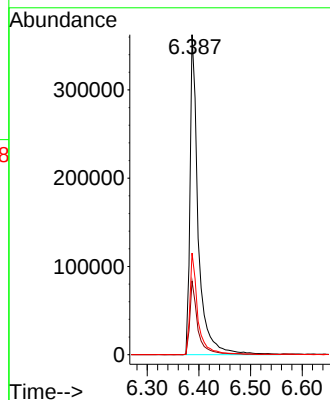
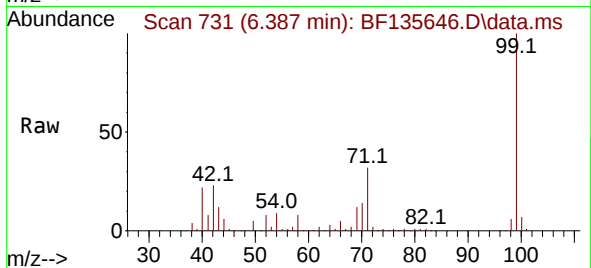
Tgt Ion: 99 Resp: 402635

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

71 31.7 27.0 40.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF135646.D

Acq: 09 Oct 2023 11:58

Tgt Ion: 136 Resp: 508484

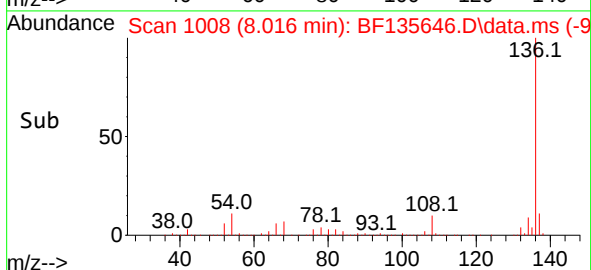
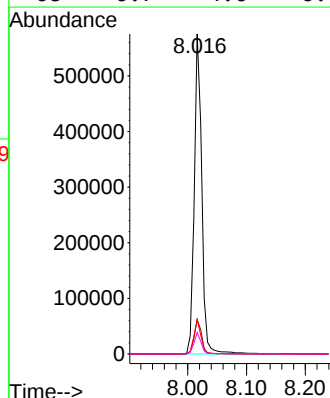
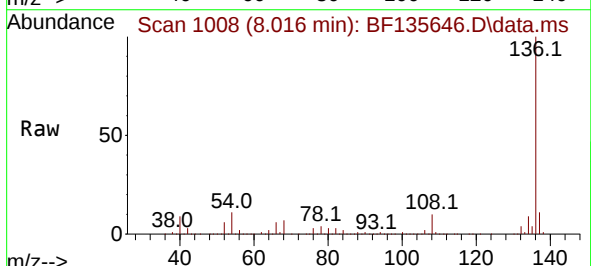
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.7 7.7 11.5

68 6.7 4.6 6.8

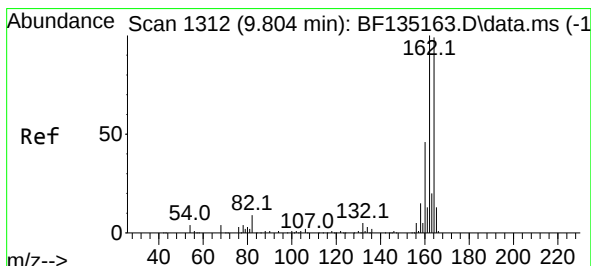
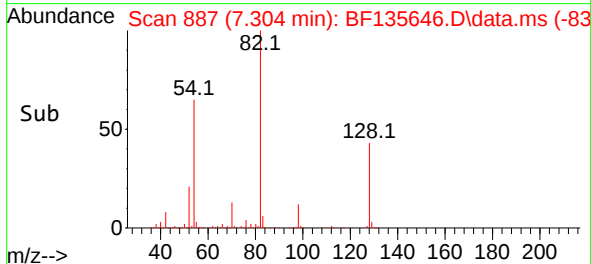
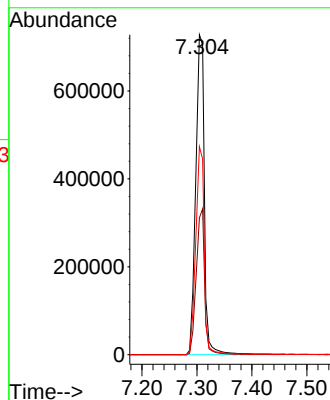
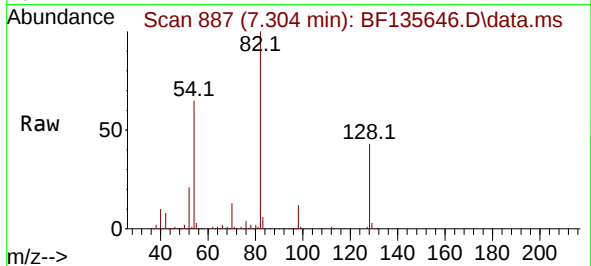




#23
 Nitrobenzene-d5
 Concen: 84.934 ng
 RT: 7.304 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF135646.D
 Acq: 09 Oct 2023 11:58

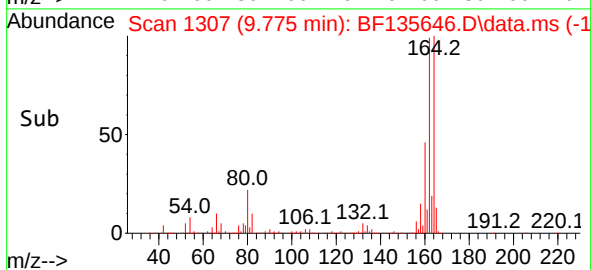
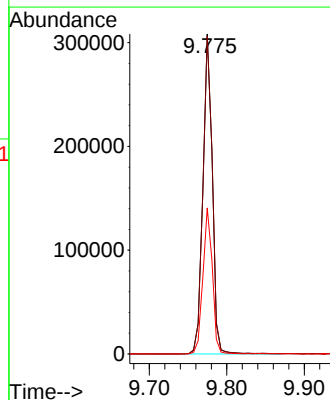
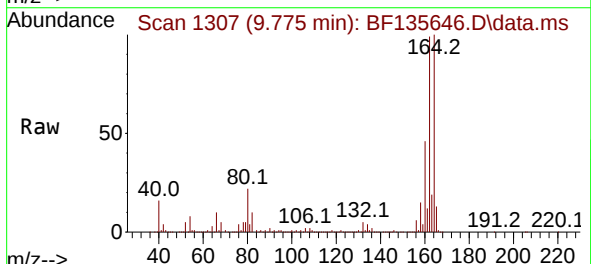
Instrument :
 BNA_F
 ClientSampleId :
 NBS-GROUNDWATER

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



#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# 1447

Delta R.T. 0.006 min

Lab File: BF135646.D

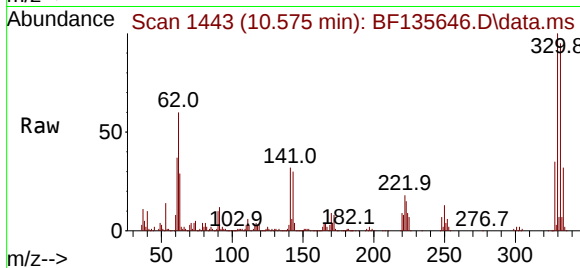
Acq: 09 Oct 2023 11:58

Instrument :

BNA_F

ClientSampleId :

NBS-GROUNDWATER



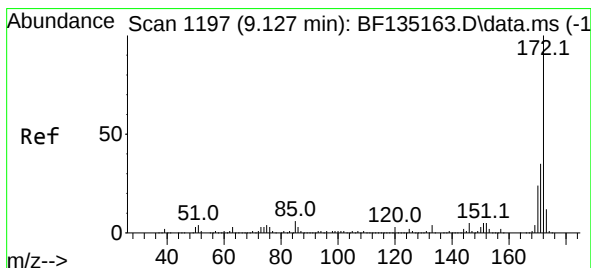
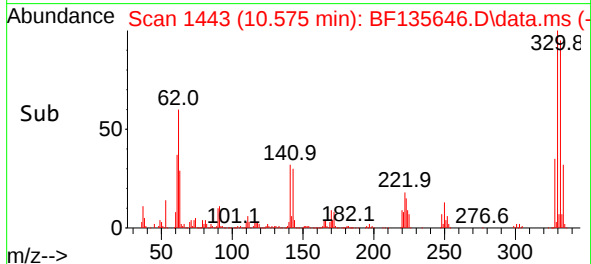
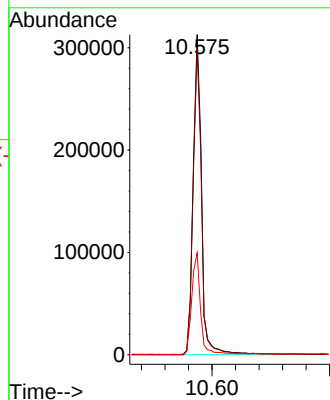
Tgt Ion:330 Resp: 311314

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

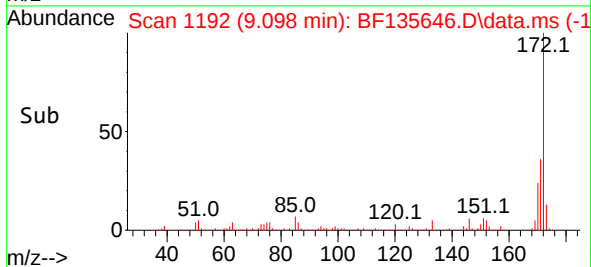
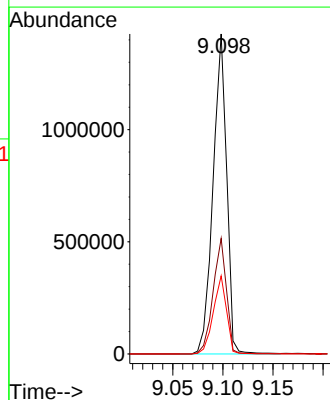
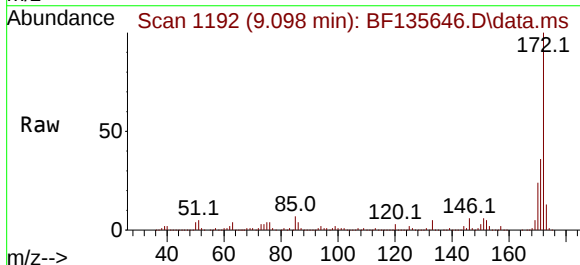
Tgt Ion:172 Resp: 1348606

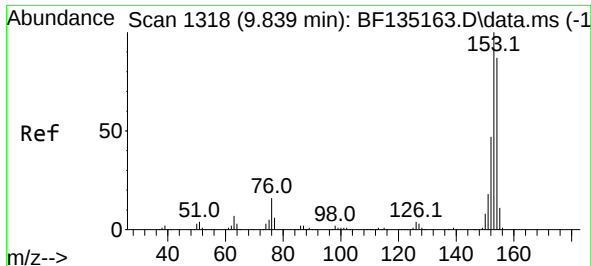
Ion Ratio Lower Upper

172 100

171 36.1 28.4 42.6

170 24.4 19.0 28.4

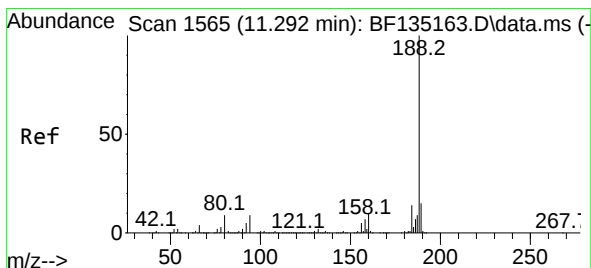
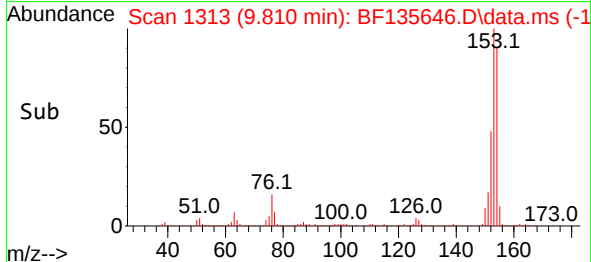
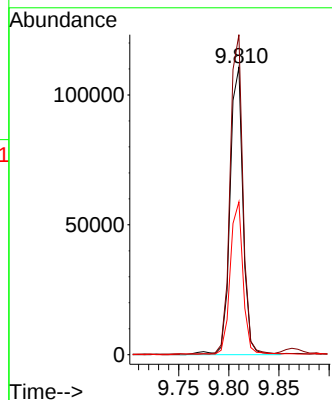
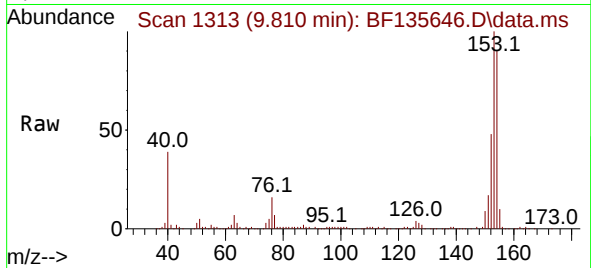




#52
Acenaphthene
Concen: 7.021 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

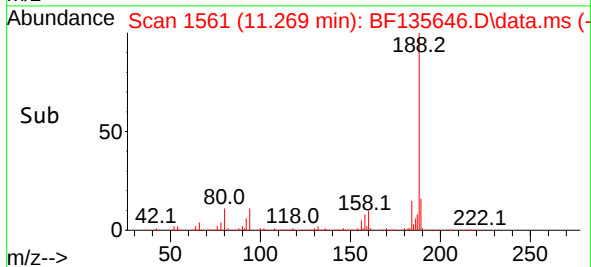
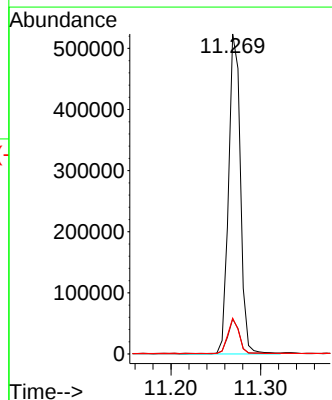
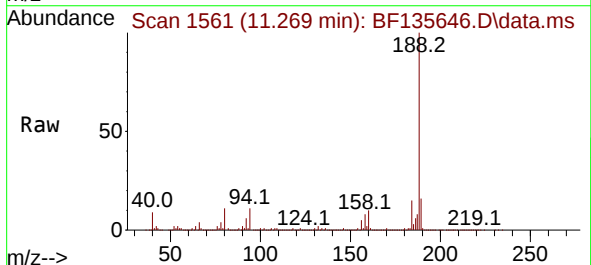
Instrument :
BNA_F
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NBS-GROUNDWATER

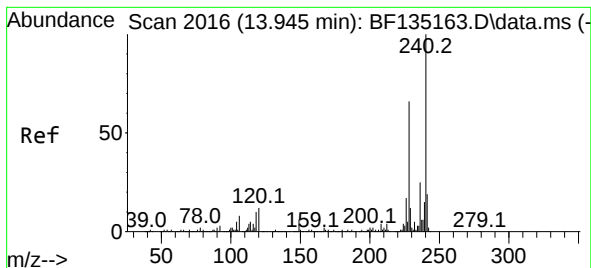
Tgt Ion:154 Resp: 99516
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 53.2 43.1 64.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135646.D
Acq: 09 Oct 2023 11:58

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135646.D

Acq: 09 Oct 2023 11:58

Instrument :

BNA_F

ClientSampleId :

NBS-GROUNDWATER

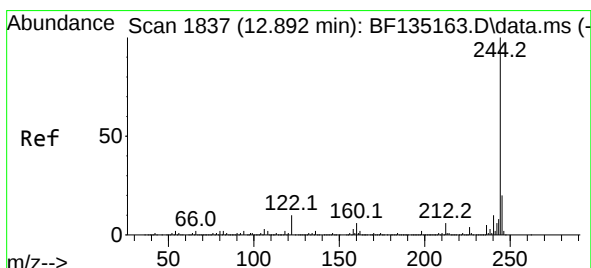
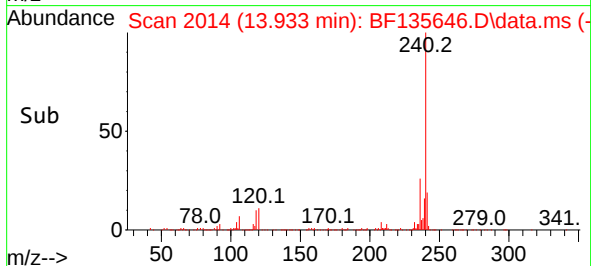
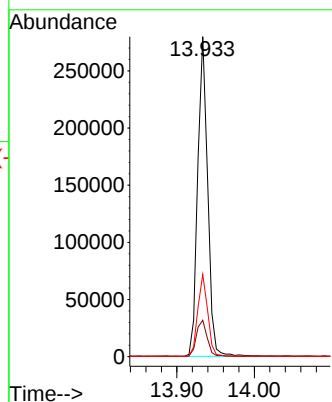
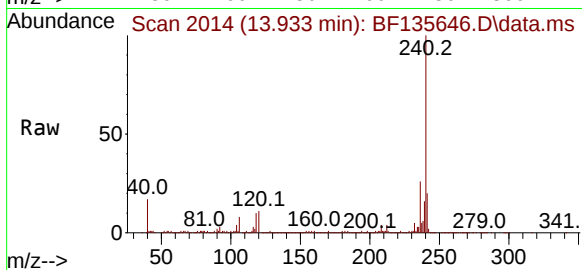
Tgt Ion:240 Resp: 249845

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.7 19.8 29.8



#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

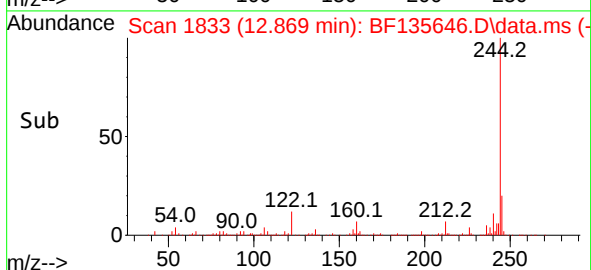
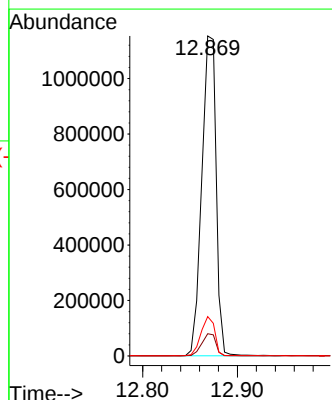
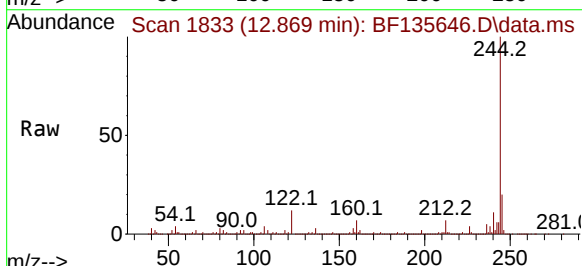
Tgt Ion:244 Resp: 1213663

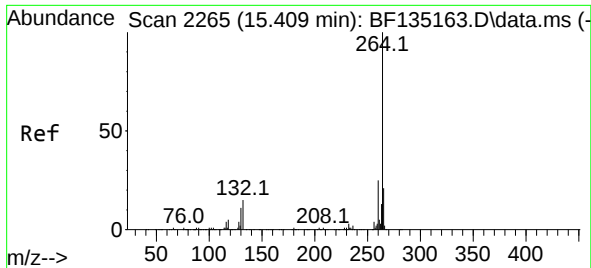
Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

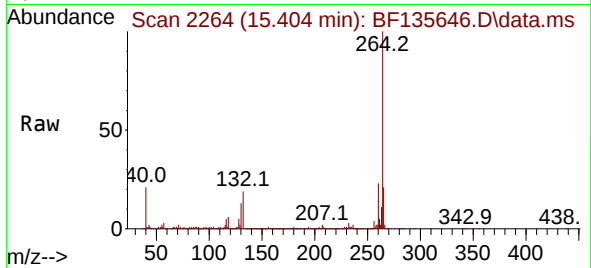
122 12.3 7.9 11.9#





#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

