

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141617.D
 Acq On : 13 Feb 2025 16:22
 Operator : RC/JU
 Sample : Q1356-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-B

Quant Time: Feb 13 16:45:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

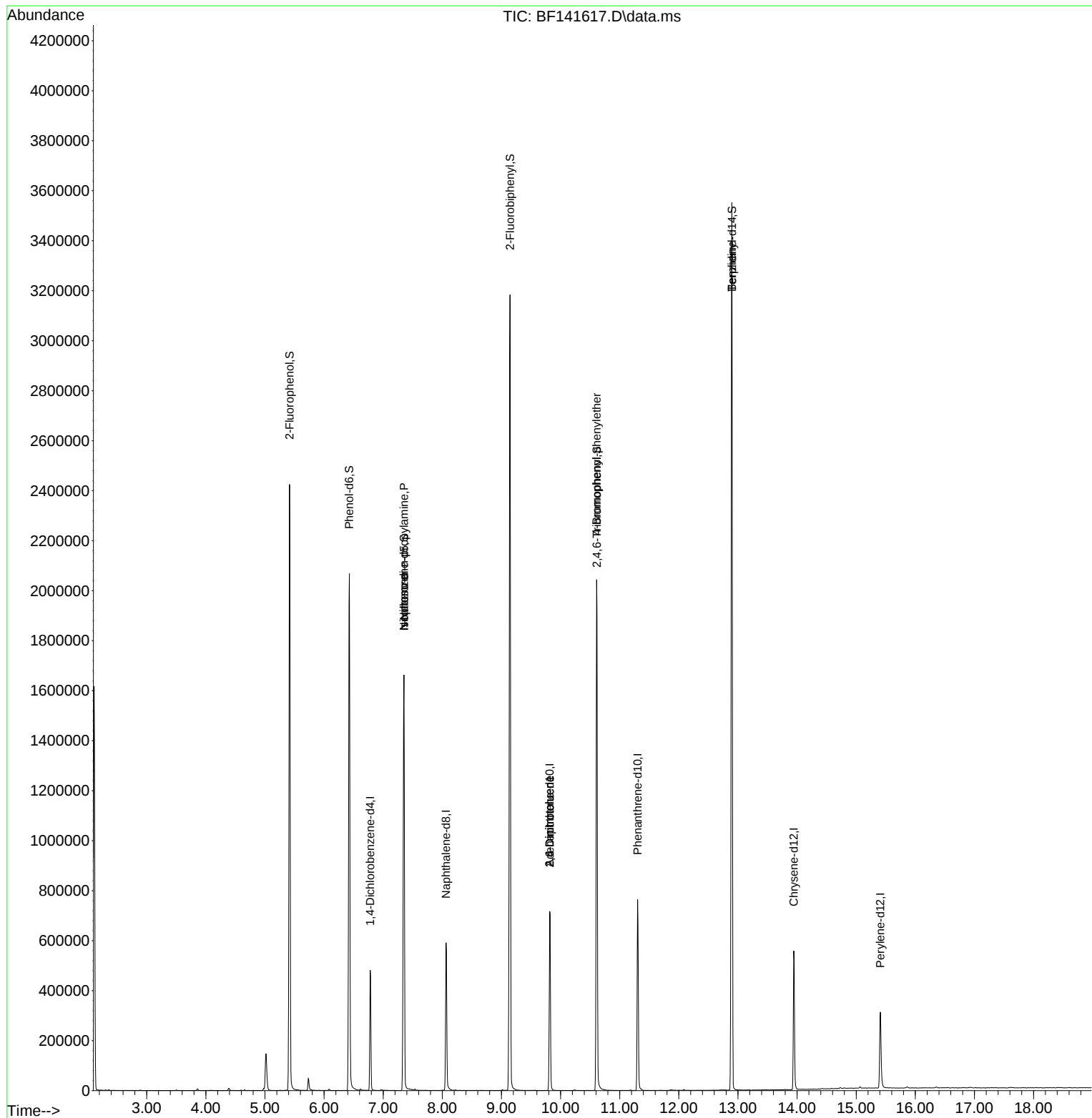
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	102699	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	414301	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	233396	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	416407	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	293342	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	899380	137.294	ng	0.00
7) Phenol-d6	6.428	99	1024581	123.747	ng	-0.01
23) Nitrobenzene-d5	7.351	82	831477	104.678	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	356113	151.888	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1525103	100.672	ng	0.00
79) Terphenyl-d14	12.898	244	1907914	109.800	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	112317	22.679	ng	# 73
25) Isophorone	7.351	82	817805	64.571	ng	# 66
51) 2,6-Dinitrotoluene	9.816	165	30255	8.735	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	30255	6.561	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	24047	5.167	ng	# 1
77) Benzidine	12.898	184	24285	3.754	ng	# 91

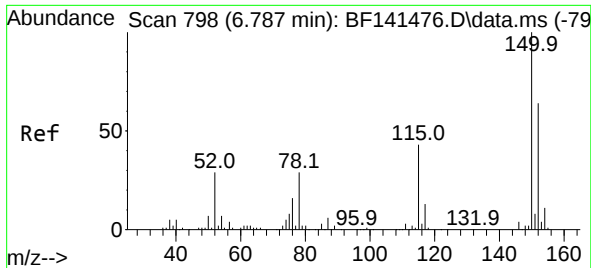
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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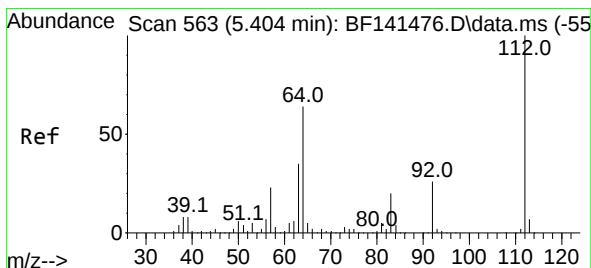
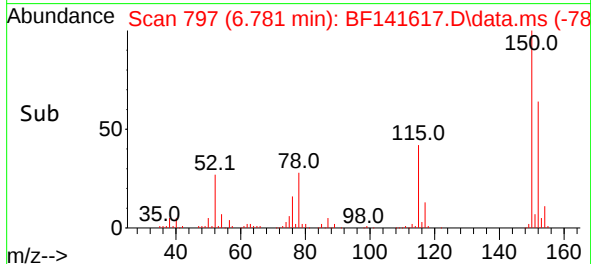
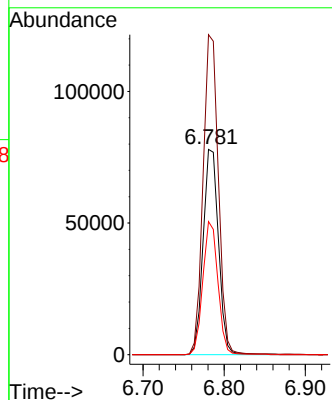
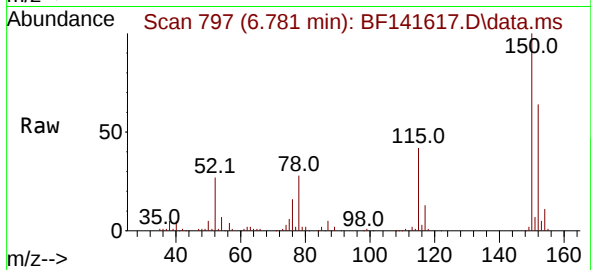




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

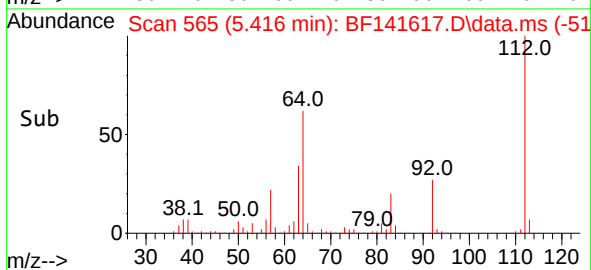
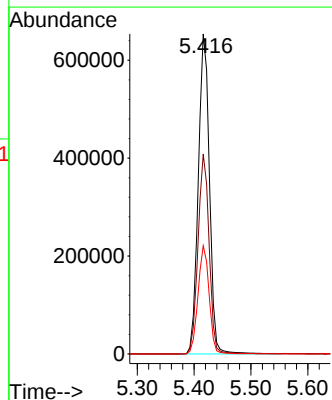
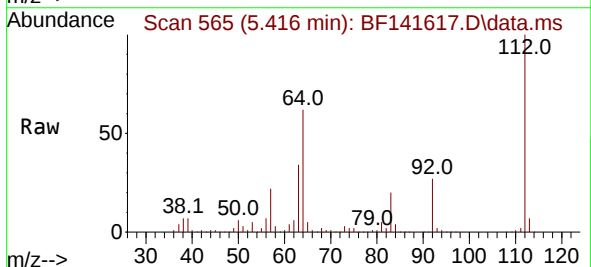
Instrument :
 BNA_F
 ClientSampleId :
 WATER-B

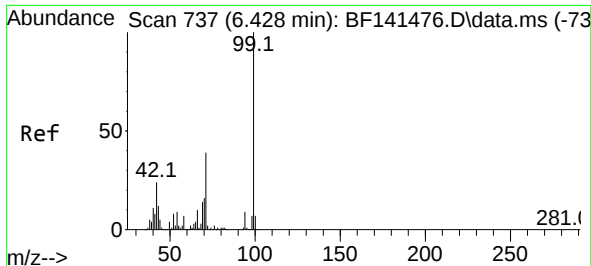
Tgt Ion:152 Resp: 102699
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.0 187.4
 115 64.8 53.6 80.4



#5
 2-Fluorophenol
 Concen: 137.294 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

Tgt Ion:112 Resp: 899380
 Ion Ratio Lower Upper
 112 100
 64 62.5 51.1 76.7
 63 33.8 28.4 42.6





#7
Phenol-d6
Concen: 123.747 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

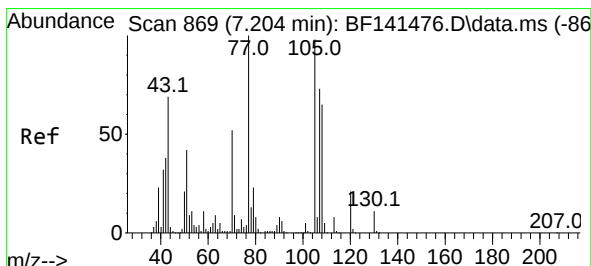
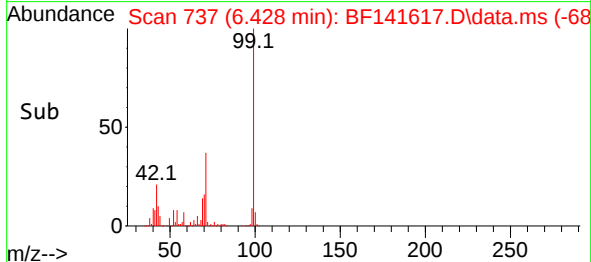
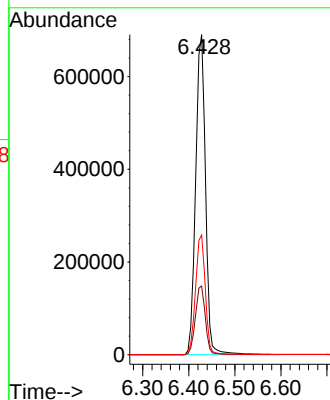
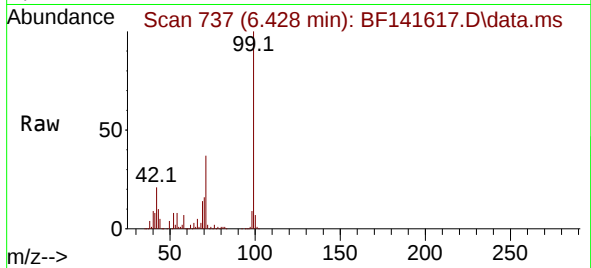
Instrument :

BNA_F

ClientSampleId :

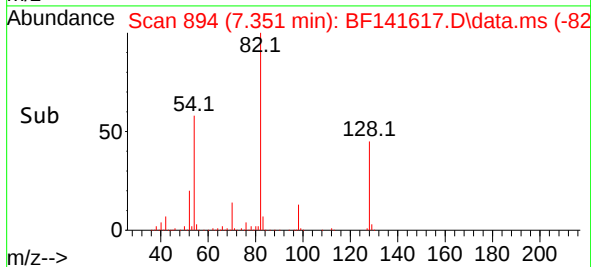
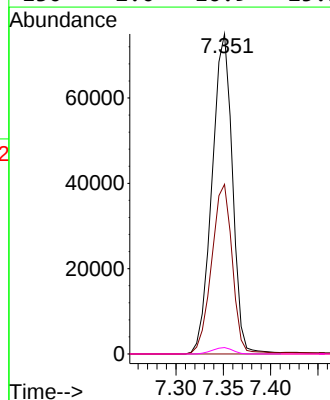
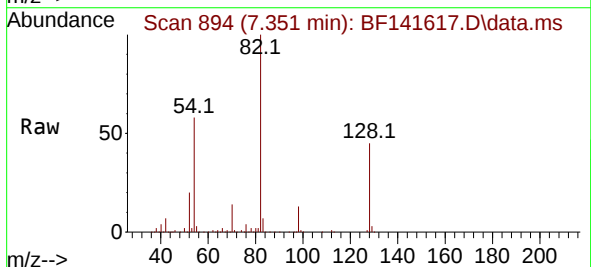
WATER-B

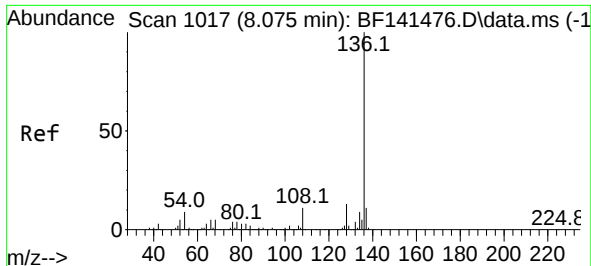
Tgt Ion: 99 Resp: 1024581
Ion Ratio Lower Upper
99 100
42 21.5 19.1 28.7
71 37.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 22.679 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

Tgt Ion: 70 Resp: 112317
Ion Ratio Lower Upper
70 100
42 53.0 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



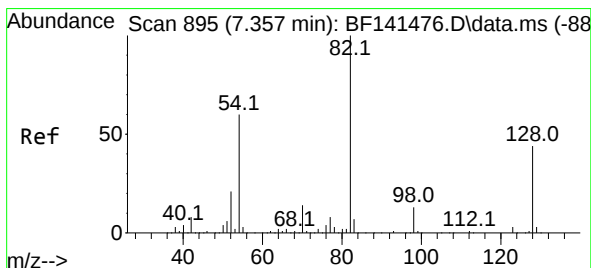
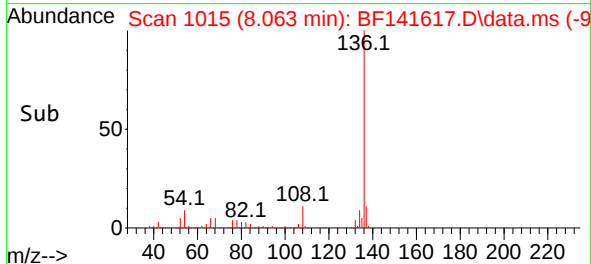
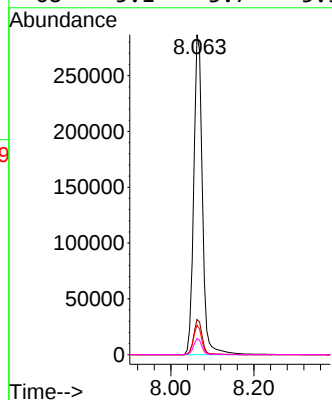
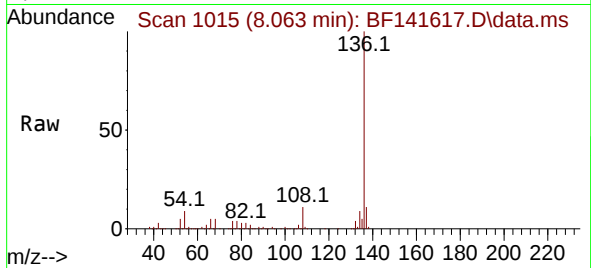


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

Instrument :
BNA_F
ClientSampleId :
WATER-B

Tgt Ion:136 Resp: 414301

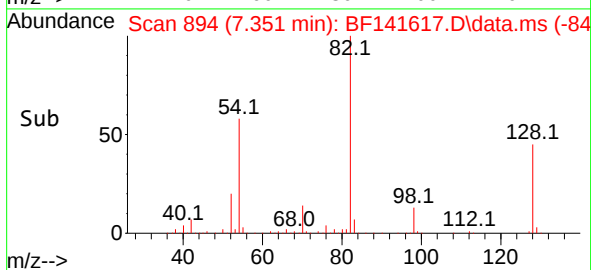
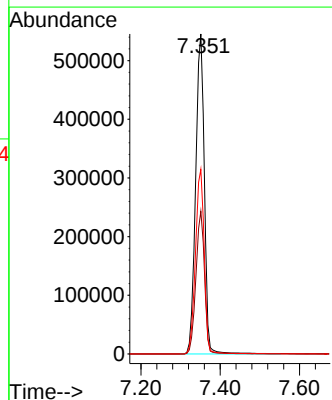
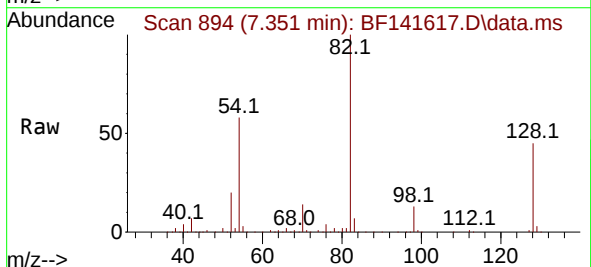
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.2	7.2	10.8
68	5.1	3.7	5.5

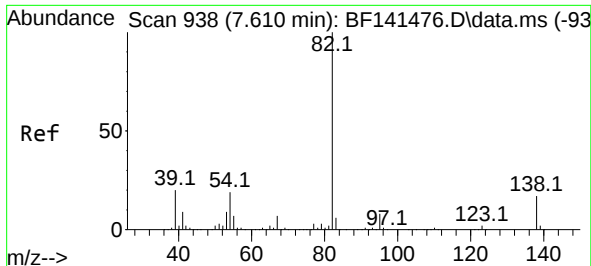


#23
Nitrobenzene-d5
Concen: 104.678 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

Tgt Ion: 82 Resp: 831477

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.8	52.2
54	57.7	48.2	72.4

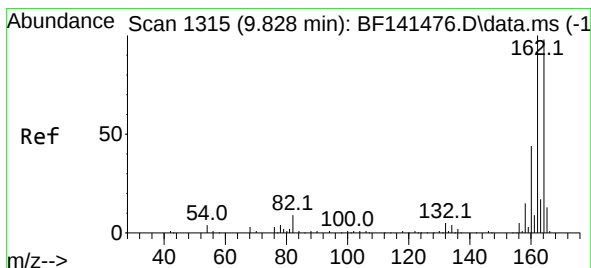
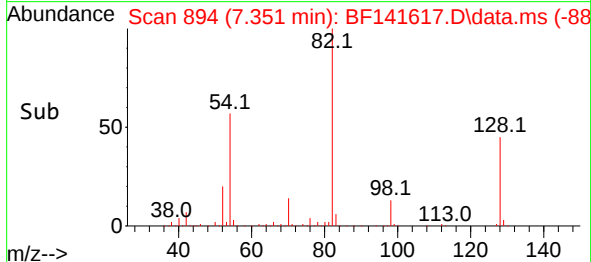
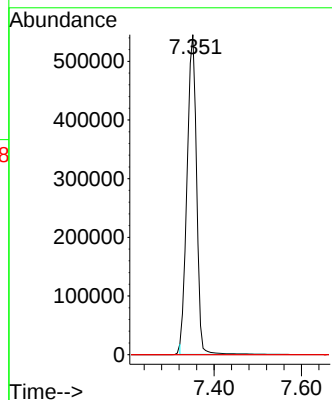
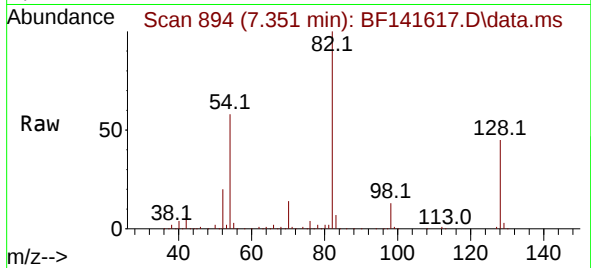




#25
Isophorone
Concen: 64.571 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

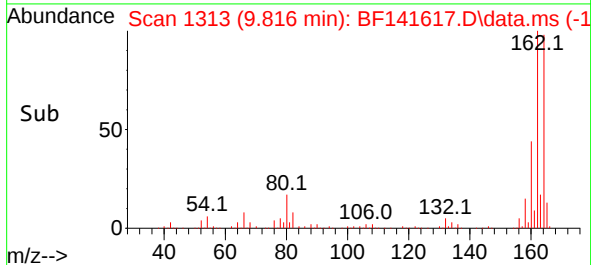
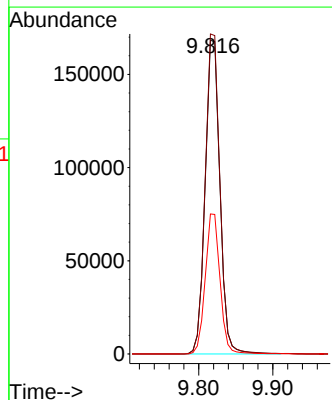
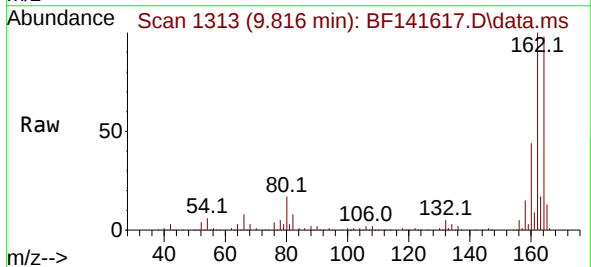
Instrument :
BNA_F
ClientSampleId :
WATER-B

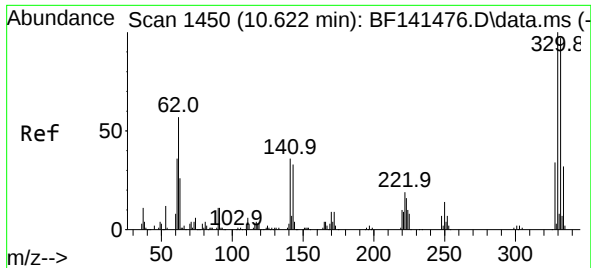
Tgt Ion: 82 Resp: 817805
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

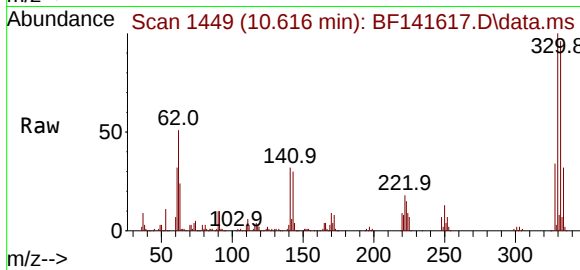
Tgt Ion:164 Resp: 233396
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 44.6 35.9 53.9



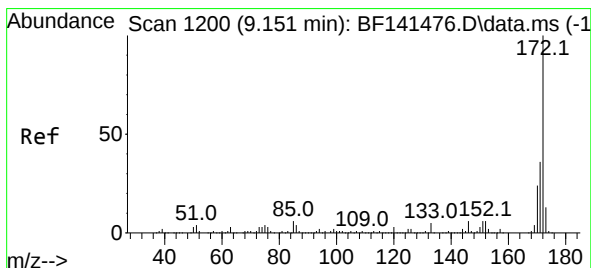
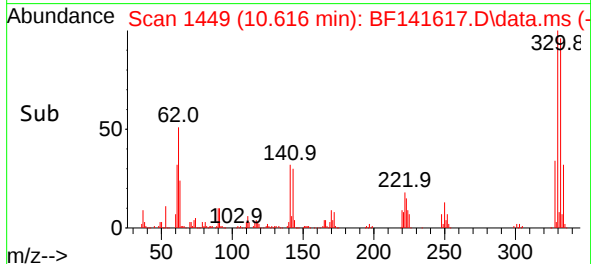
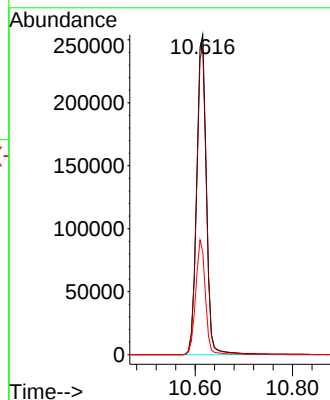


#42
 2,4,6-Tribromophenol
 Concen: 151.888 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.012 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

Instrument :
 BNA_F
 ClientSampleId :
 WATER-B

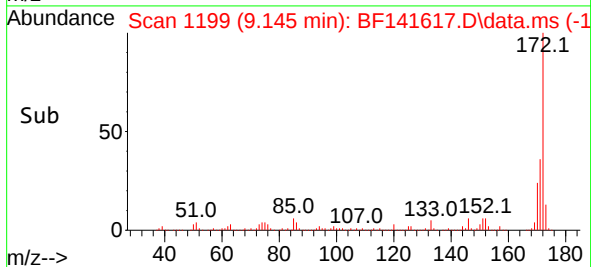
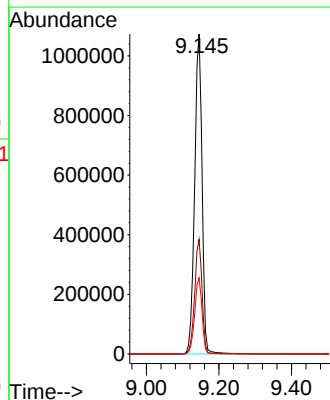
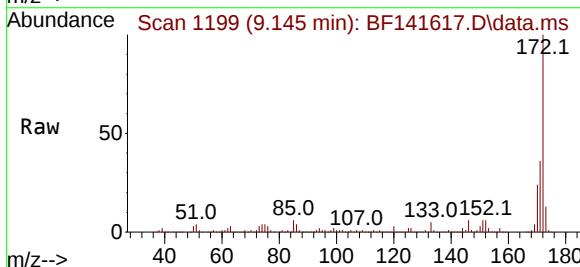


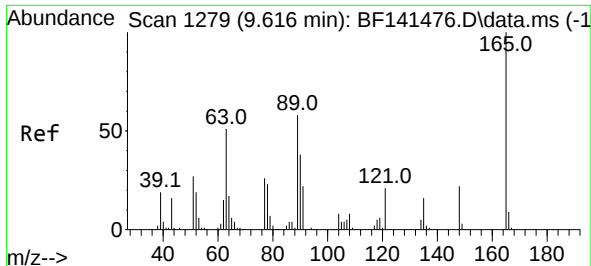
Tgt Ion:330 Resp: 356113
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.5 117.7
 141 35.7 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 100.672 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

Tgt Ion:172 Resp: 1525103
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 23.8 18.9 28.3

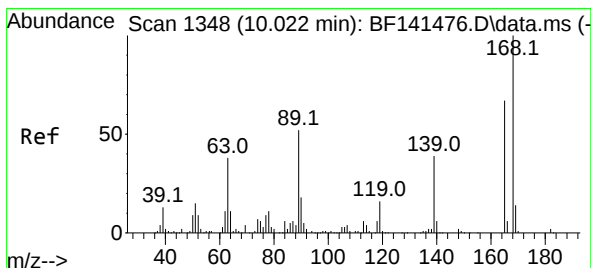
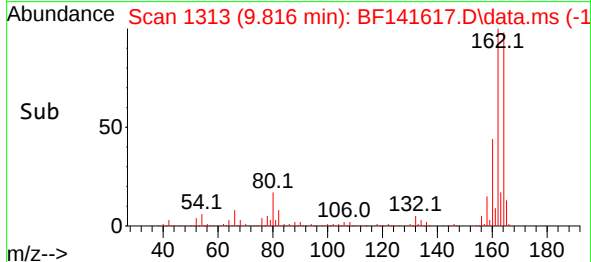
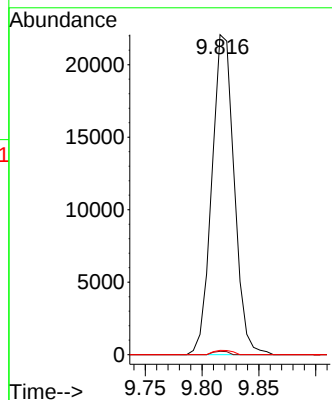
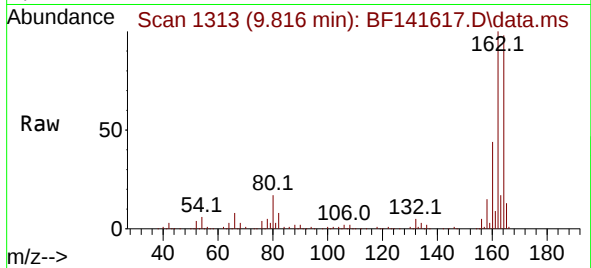




#51
2,6-Dinitrotoluene
Concen: 8.735 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

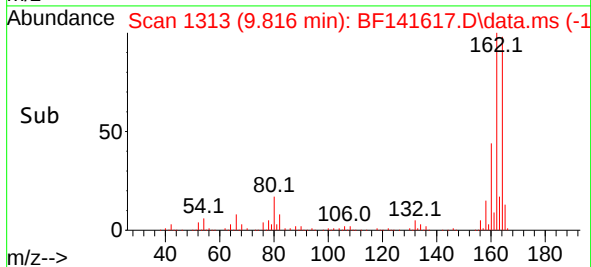
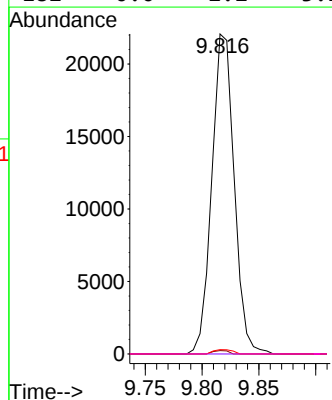
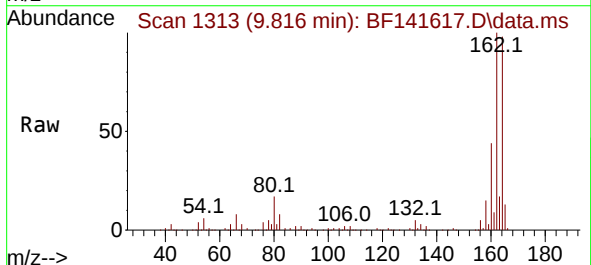
Instrument :
BNA_F
ClientSampleId :
WATER-B

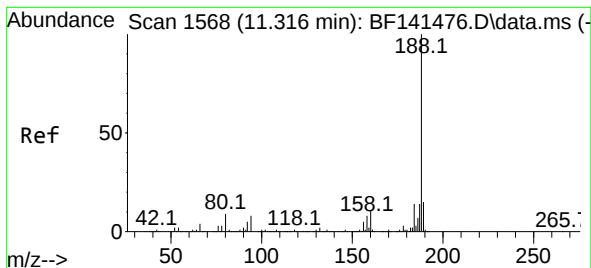
Tgt Ion:165 Resp: 30255
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.561 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.212 min
Lab File: BF141617.D
Acq: 13 Feb 2025 16:22

Tgt Ion:165 Resp: 30255
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141617.D

Acq: 13 Feb 2025 16:22

Instrument :

BNA_F

ClientSampleId :

WATER-B

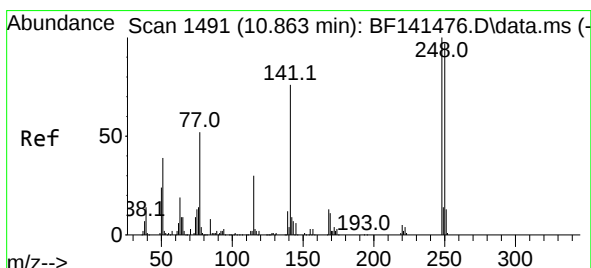
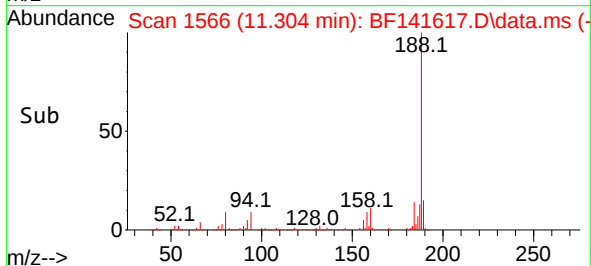
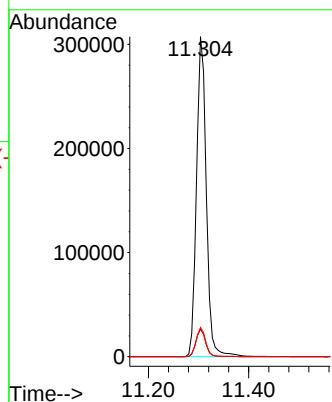
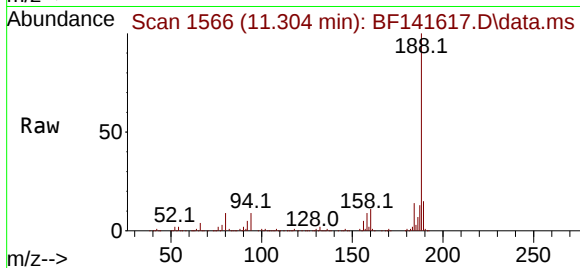
Tgt Ion:188 Resp: 416407

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.167 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141617.D

Acq: 13 Feb 2025 16:22

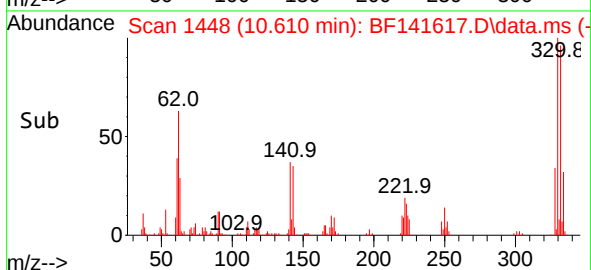
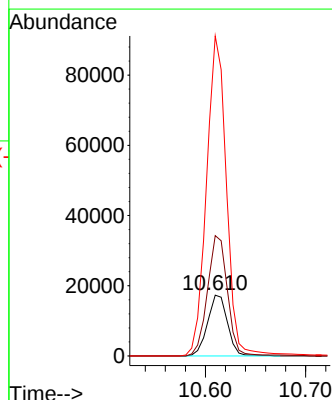
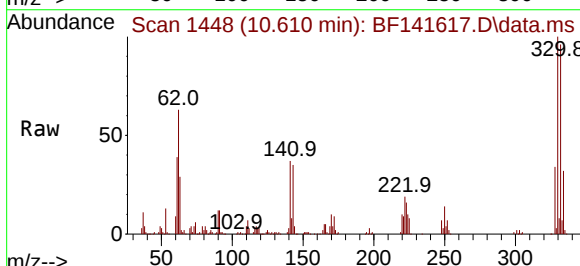
Tgt Ion:248 Resp: 24047

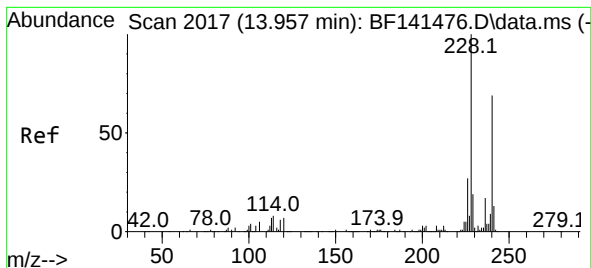
Ion Ratio Lower Upper

248 100

250 197.9 77.8 116.6#

141 526.5 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141617.D

Acq: 13 Feb 2025 16:22

Instrument :

BNA_F

ClientSampleId :

WATER-B

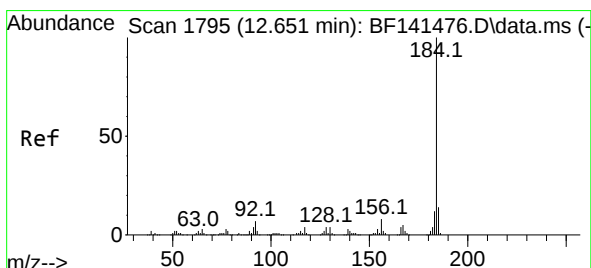
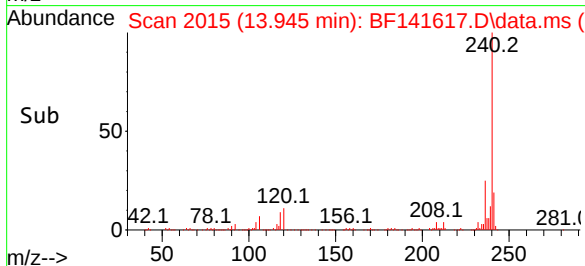
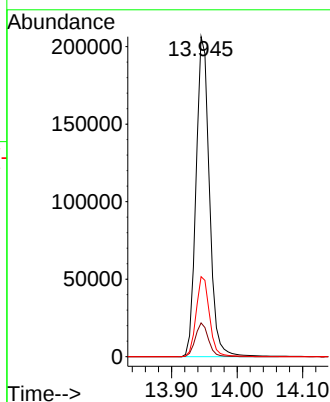
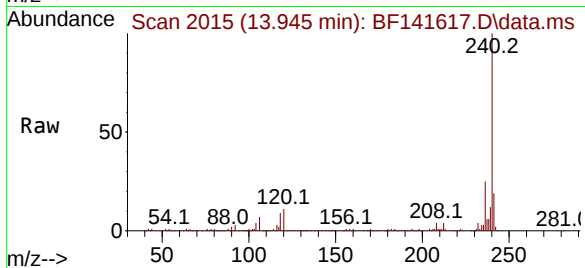
Tgt Ion:240 Resp: 293342

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.0 19.8 29.8



#77

Benzdine

Concen: 3.754 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141617.D

Acq: 13 Feb 2025 16:22

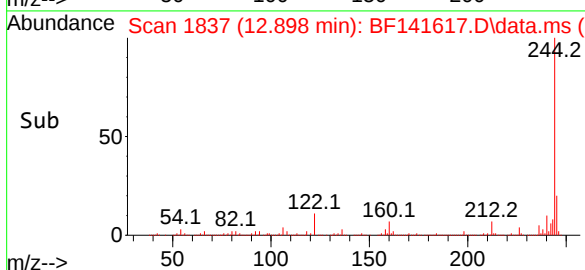
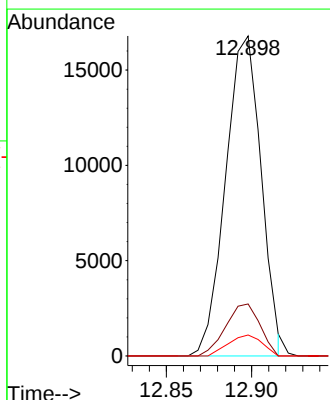
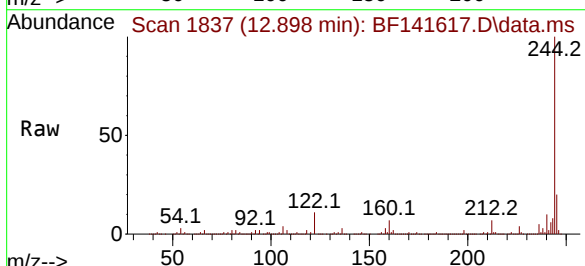
Tgt Ion:184 Resp: 24285

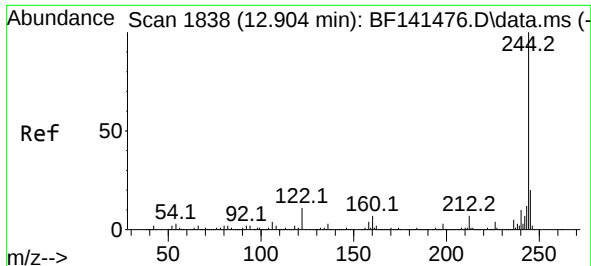
Ion Ratio Lower Upper

184 100

185 16.3 11.3 16.9

183 6.6 9.3 13.9#

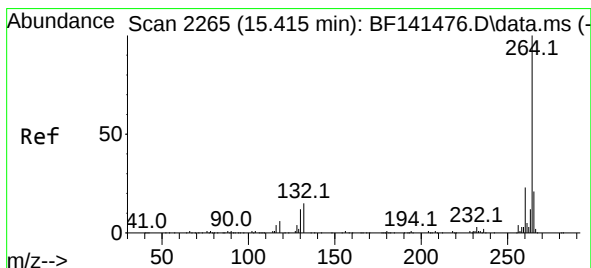
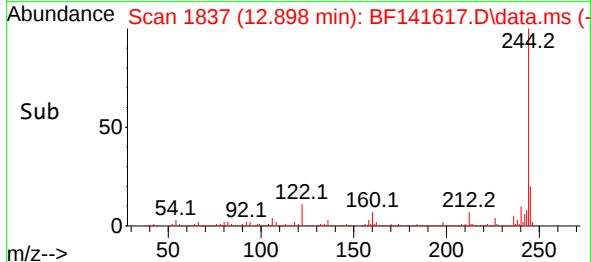
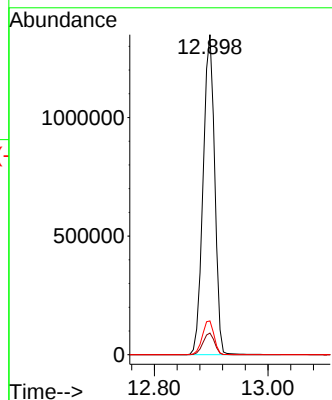
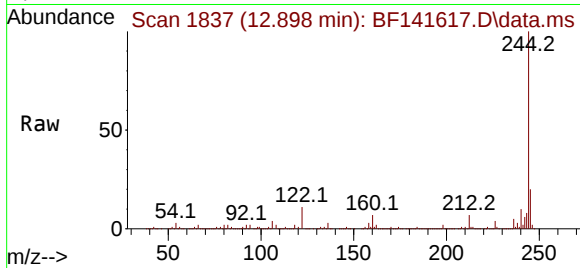




#79
 Terphenyl-d14
 Concen: 109.800 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

Instrument :
 BNA_F
 ClientSampleId :
 WATER-B

Tgt Ion:244 Resp: 1907914
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141617.D
 Acq: 13 Feb 2025 16:22

Tgt Ion:264 Resp: 197621
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.3 17.0 25.4

