

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141718.D
 Acq On : 21 Feb 2025 14:18
 Operator : RC/JU
 Sample : Q1393-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER-COMP

Quant Time: Feb 21 14:50:41 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)

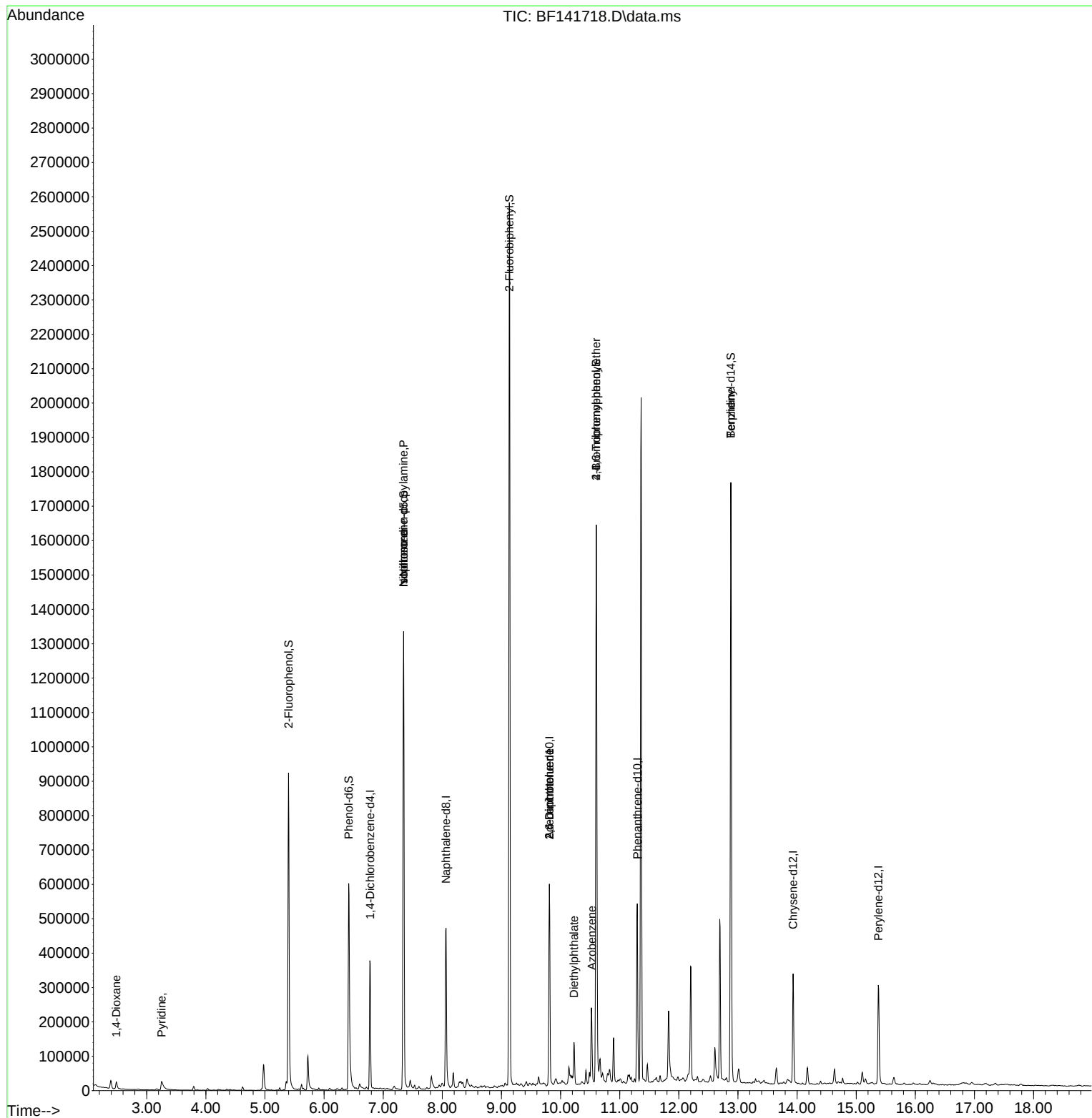
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	81417	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	323272	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	174578	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	269387	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	161228	20.000	ng	-0.03
86) Perylene-d12	15.374	264	179832	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	368478	70.953	ng	-0.01
7) Phenol-d6	6.416	99	308505	47.001	ng	-0.02
23) Nitrobenzene-d5	7.345	82	617251	99.590	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	245046	139.730	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1161077	102.465	ng	-0.02
79) Terphenyl-d14	12.880	244	858135	89.853	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	12202	5.838	ng	96
3) Pyridine	3.251	79	26921	5.413	ng	95
19) n-Nitroso-di-n-propyla...	7.345	70	84403	21.497	ng	# 72
25) Isophorone	7.345	82	603391	61.057	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	23116	8.922	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	23116	6.702	ng	# 19
60) Diethylphthalate	10.227	149	58608	5.026	ng	99
63) Azobenzene	10.527	77	31835	2.746	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	16599	5.513	ng	# 1
77) Benzidine	12.880	184	11484	3.230	ng	# 90

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

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Quant Time: Feb 21 14:50:41 2025
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QLast Update : Thu Feb 06 16:58:59 2025
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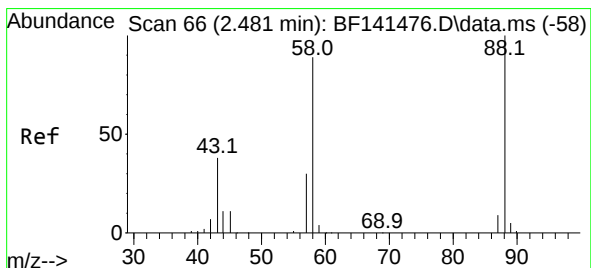
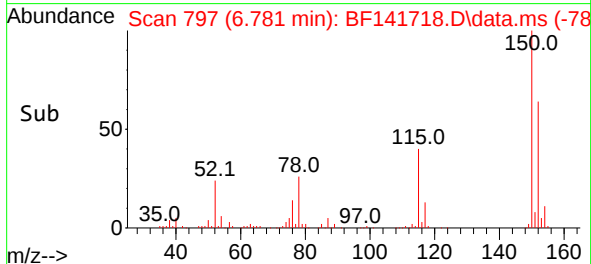
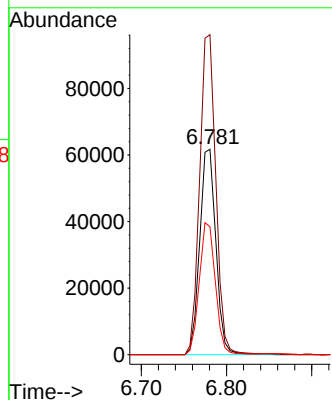
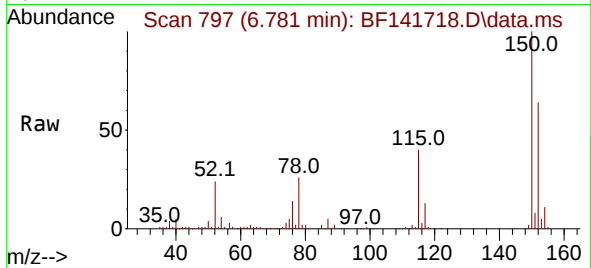




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141718.D
 Acq: 21 Feb 2025 14:18

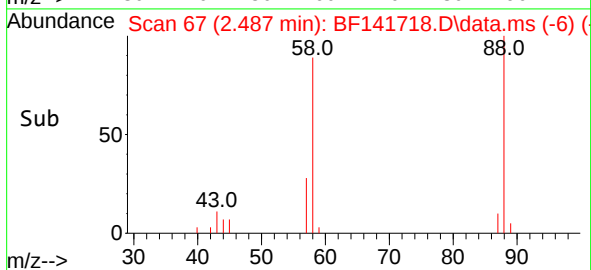
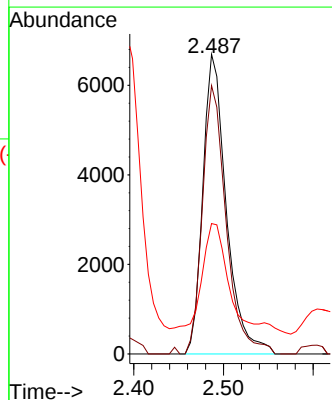
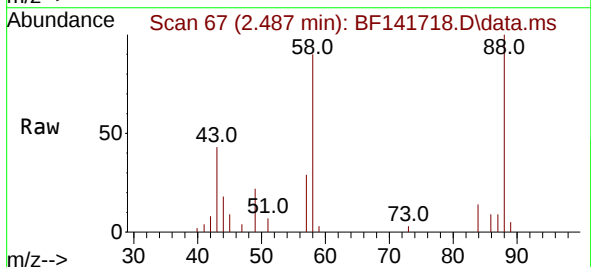
Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER-COMP

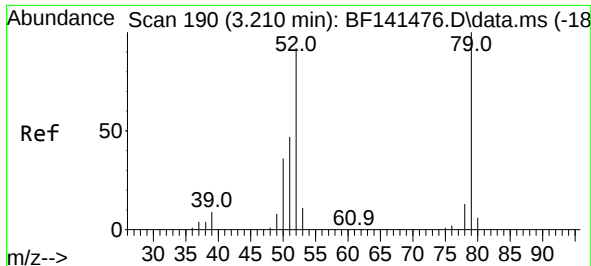
Tgt Ion:152 Resp: 81417
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.0 187.4
 115 62.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 5.838 ng
 RT: 2.487 min Scan# 67
 Delta R.T. 0.006 min
 Lab File: BF141718.D
 Acq: 21 Feb 2025 14:18

Tgt Ion: 88 Resp: 12202
 Ion Ratio Lower Upper
 88 100
 58 90.3 71.1 106.7
 43 43.7 30.6 46.0

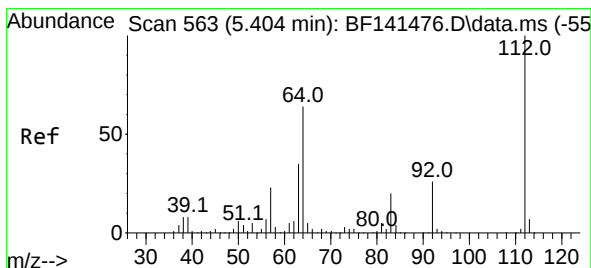
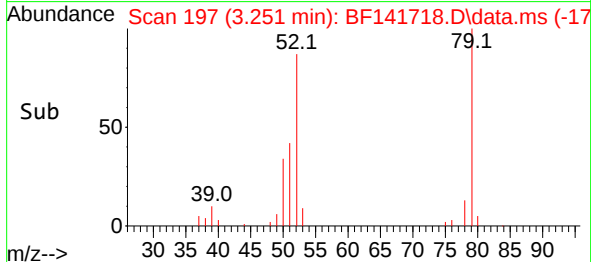
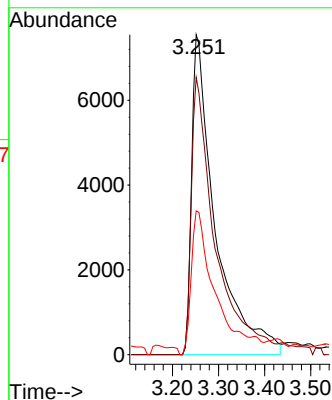
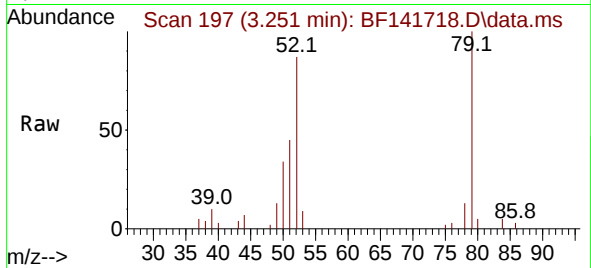




#3
Pyridine
Concen: 5.413 ng
RT: 3.251 min Scan# 197
Delta R.T. 0.035 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

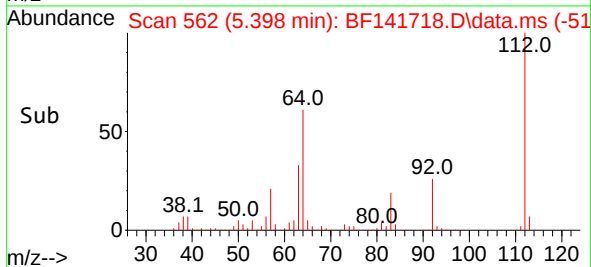
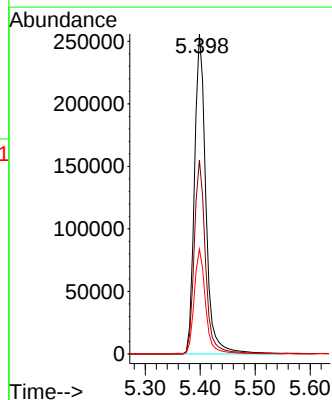
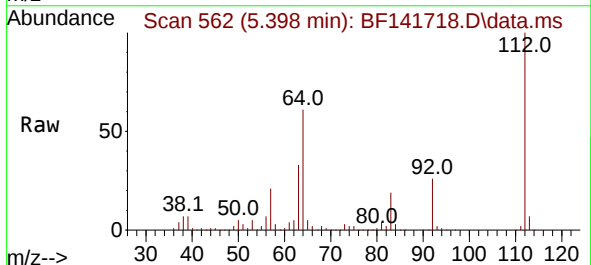
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

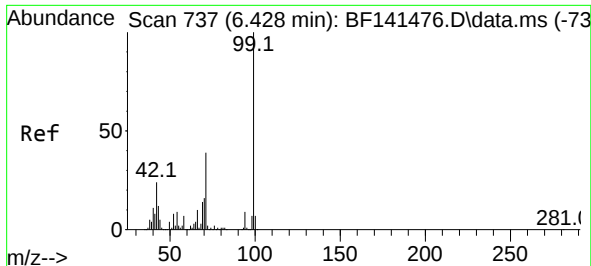
Tgt Ion:	79	Resp:	26921
Ion	Ratio	Lower	Upper
79	100		
52	86.7	73.7	110.5
51	44.9	37.5	56.3



#5
2-Fluorophenol
Concen: 70.953 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion:	112	Resp:	368478
Ion	Ratio	Lower	Upper
112	100		
64	60.6	51.1	76.7
63	32.7	28.4	42.6

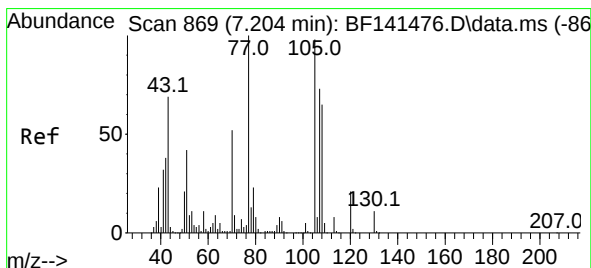
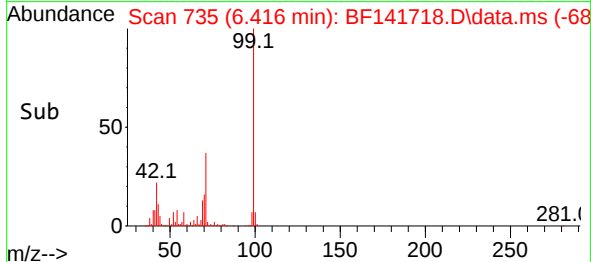
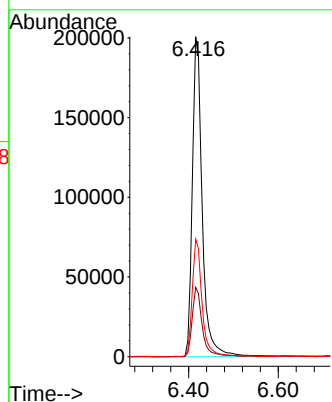
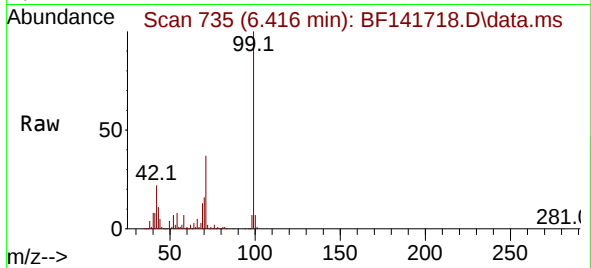




#7
Phenol-d6
Concen: 47.001 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.024 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

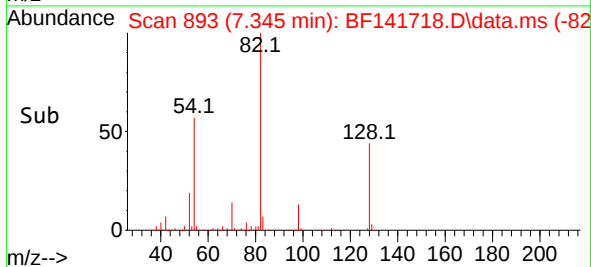
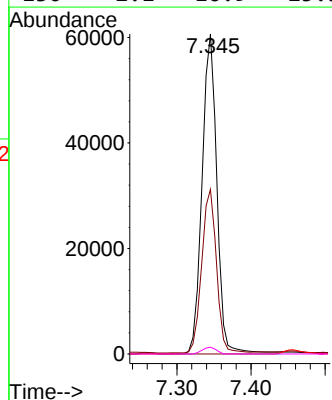
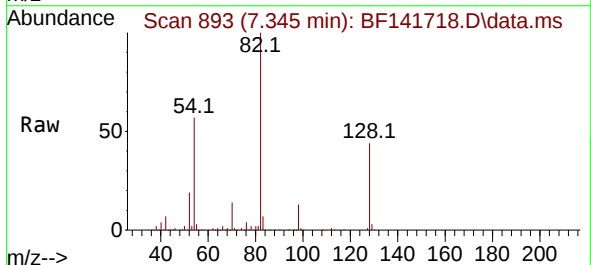
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

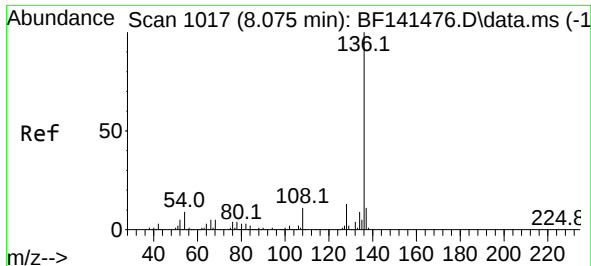
Tgt Ion: 99 Resp: 308505
Ion Ratio Lower Upper
99 100
42 21.6 19.1 28.7
71 36.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 21.497 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion: 70 Resp: 84403
Ion Ratio Lower Upper
70 100
42 51.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

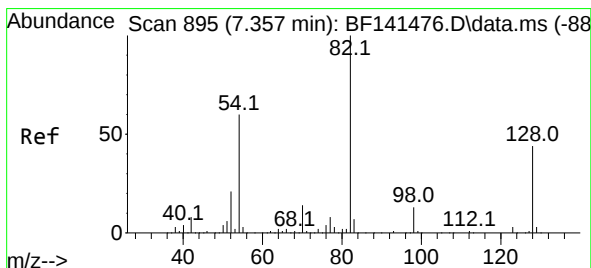
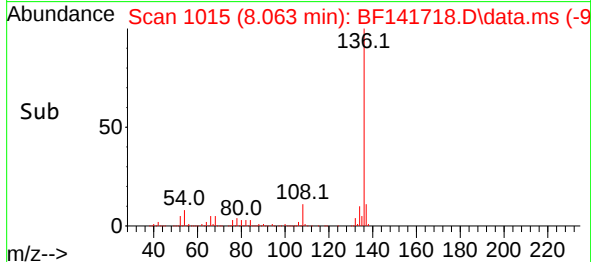
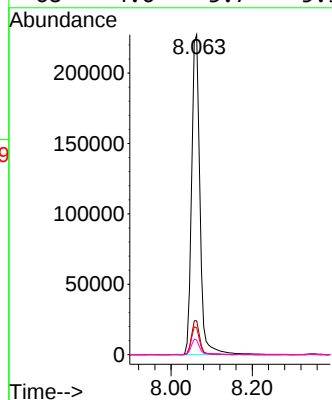
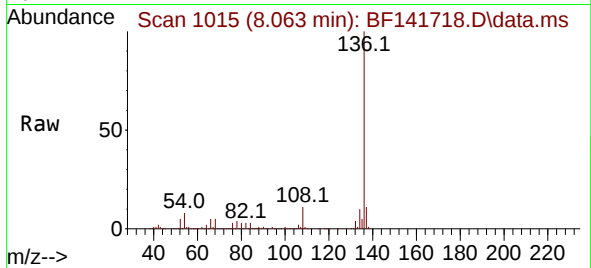




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

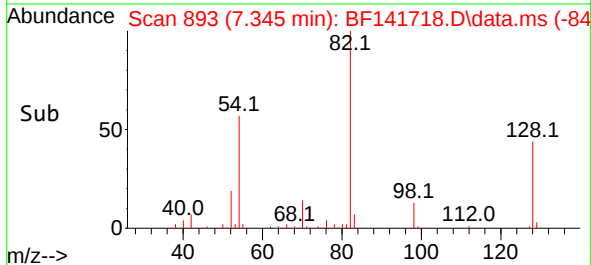
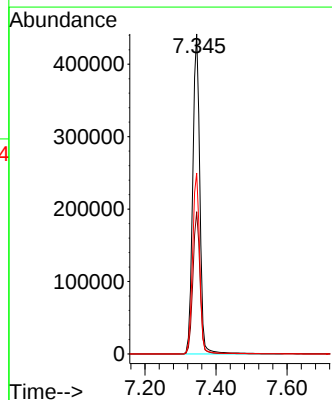
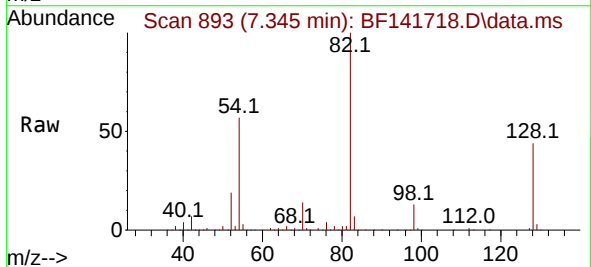
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

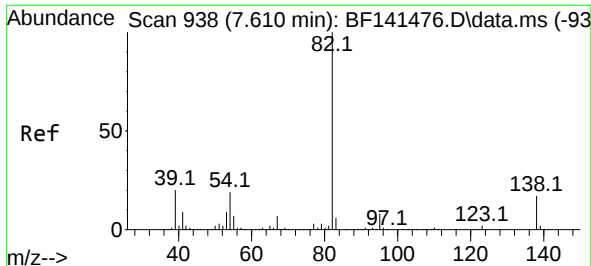
Tgt Ion:136	Resp: 323272
Ion Ratio	Lower Upper
136	100
137	10.6 8.6 13.0
54	8.4 7.2 10.8
68	4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 99.590 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion: 82	Resp: 617251
Ion Ratio	Lower Upper
82	100
128	44.5 34.8 52.2
54	56.6 48.2 72.4

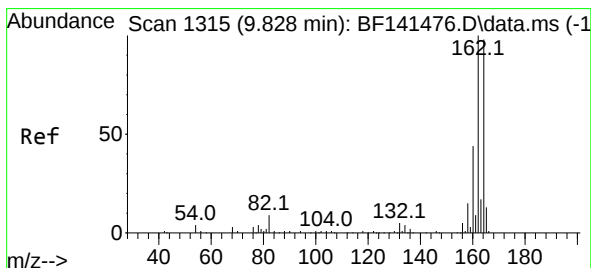
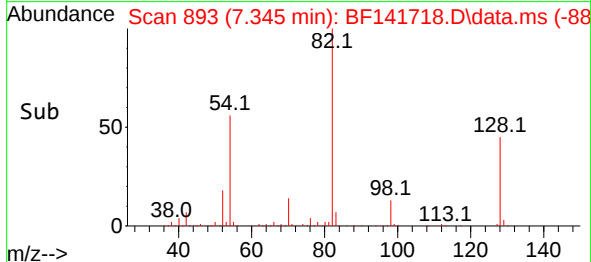
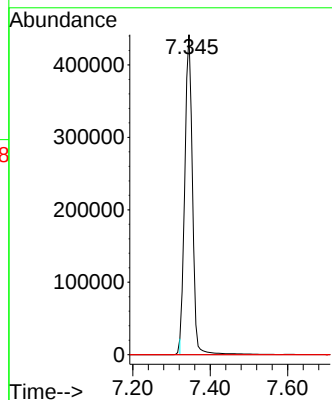
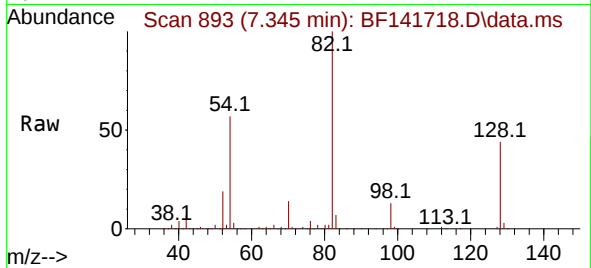




#25
Isophorone
Concen: 61.057 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

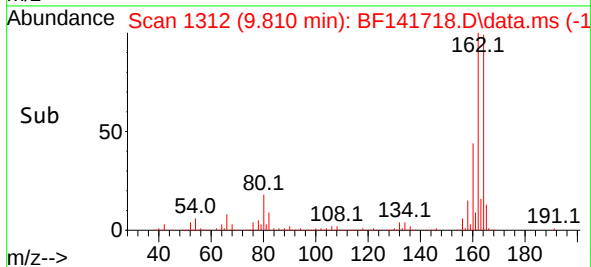
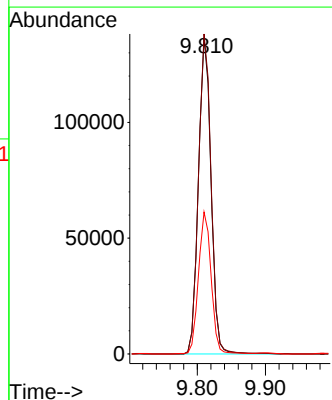
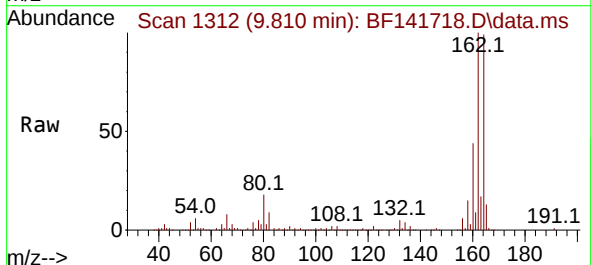
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

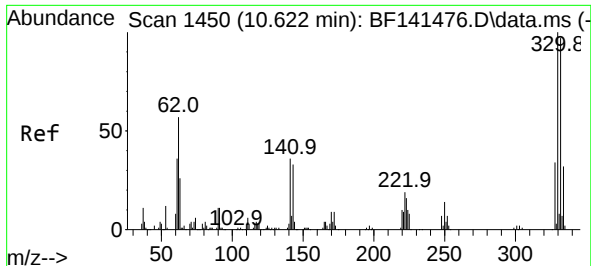
Tgt Ion: 82 Resp: 603391
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion:164 Resp: 174578
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 139.730 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.024 min

Lab File: BF141718.D

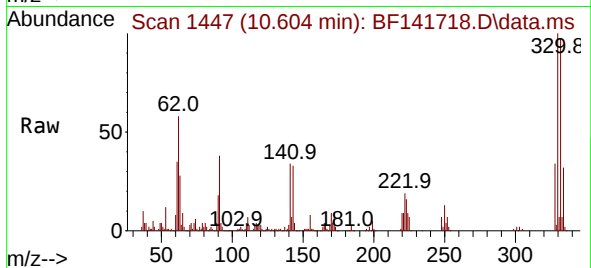
Acq: 21 Feb 2025 14:18

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER-COMP



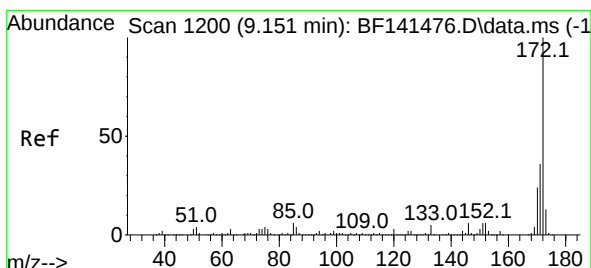
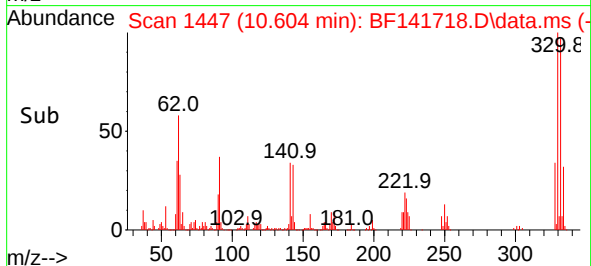
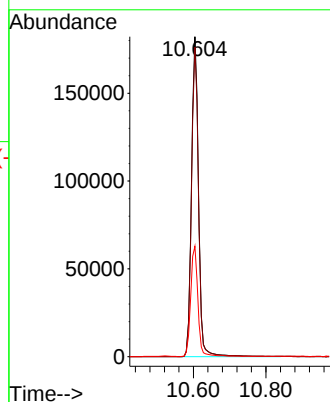
Tgt Ion:330 Resp: 245046

Ion Ratio Lower Upper

330 100

332 96.3 78.5 117.7

141 35.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 102.465 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141718.D

Acq: 21 Feb 2025 14:18

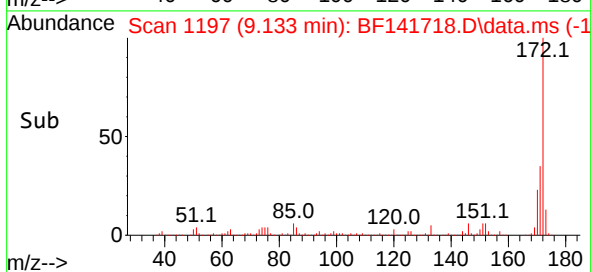
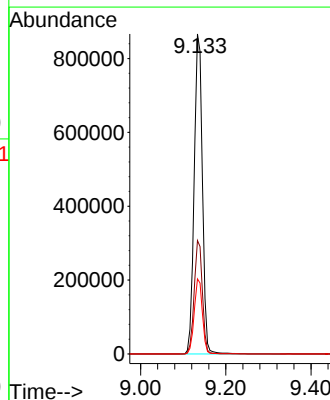
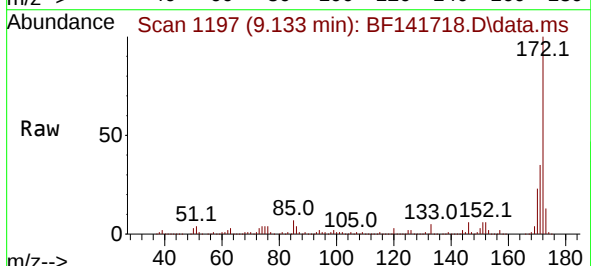
Tgt Ion:172 Resp: 1161077

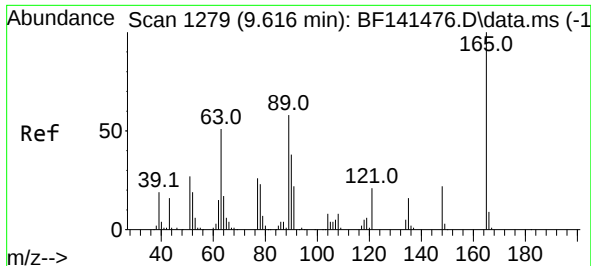
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.922 ng

RT: 9.810 min Scan# 1312

Delta R.T. 0.188 min

Lab File: BF141718.D

Acq: 21 Feb 2025 14:18

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER-COMP

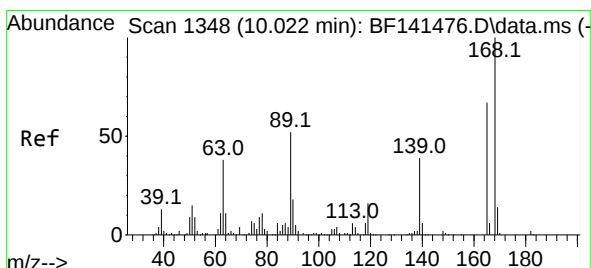
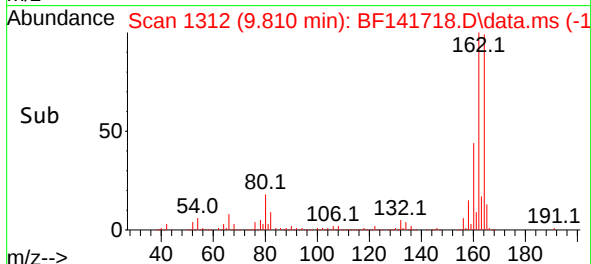
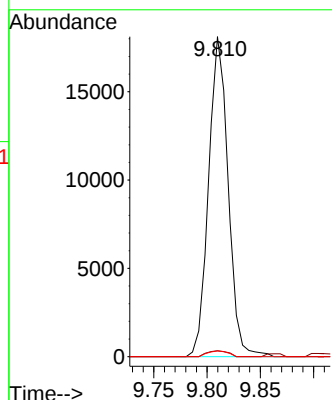
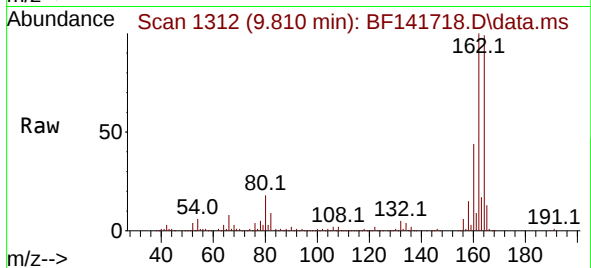
Tgt Ion:165 Resp: 23116

Ion Ratio Lower Upper

165 100

63 1.8 49.4 74.0#

89 1.8 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.702 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.218 min

Lab File: BF141718.D

Acq: 21 Feb 2025 14:18

Tgt Ion:165 Resp: 23116

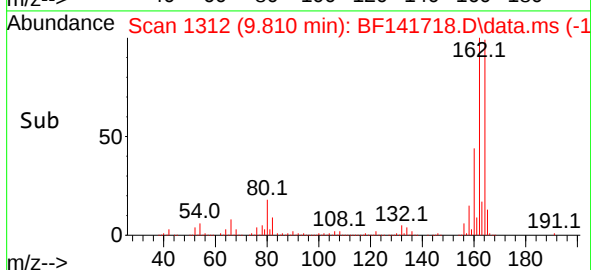
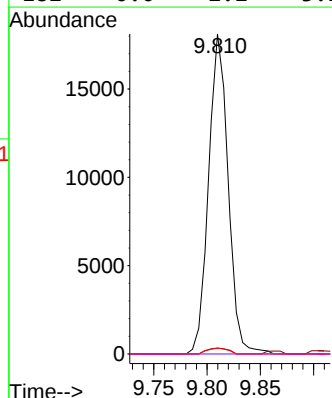
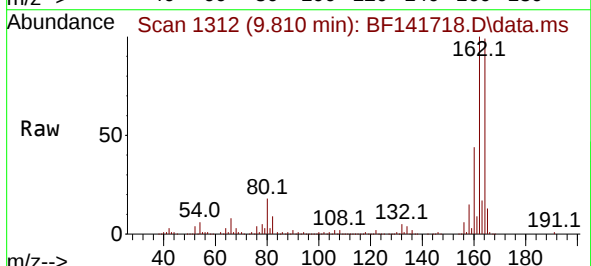
Ion Ratio Lower Upper

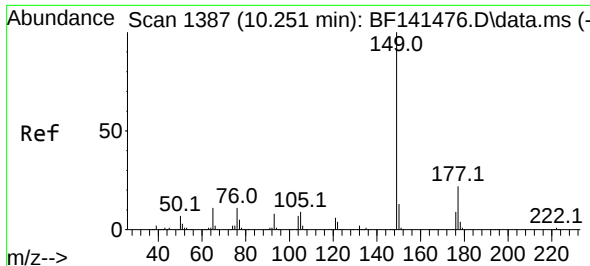
165 100

63 1.8 46.4 69.6#

89 1.8 61.8 92.6#

182 0.0 2.2 3.2#

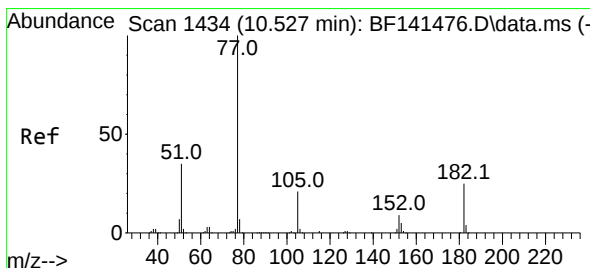
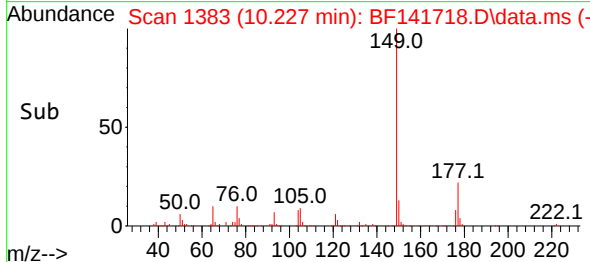
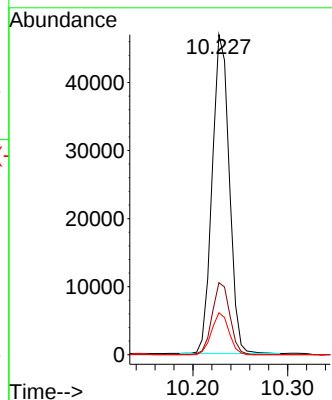
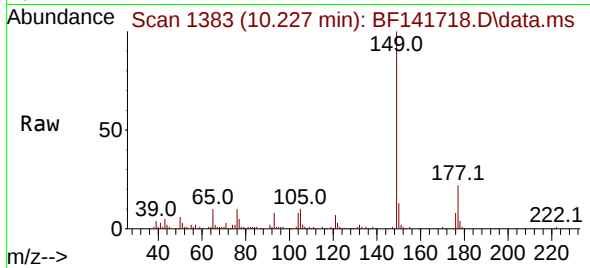




#60
Diethylphthalate
Concen: 5.026 ng
RT: 10.227 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

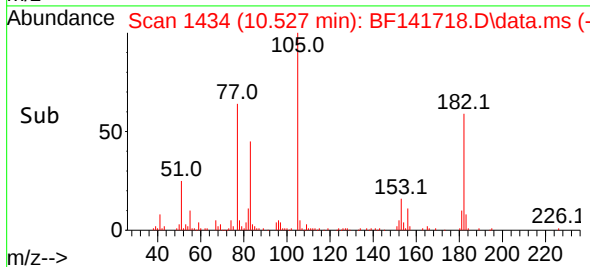
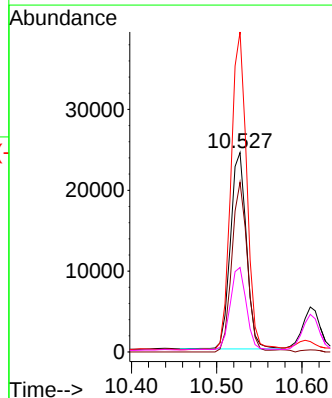
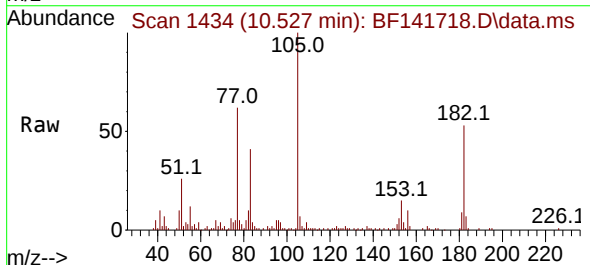
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

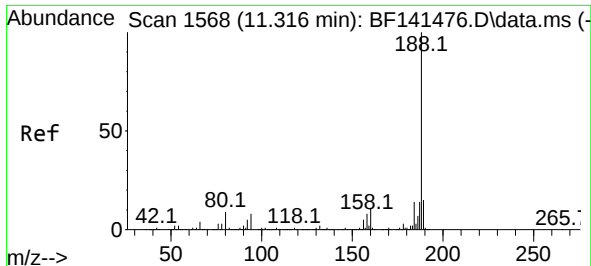
Tgt Ion:149 Resp: 58608
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 13.1 10.1 15.1



#63
Azobenzene
Concen: 2.746 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion: 77 Resp: 31835
Ion Ratio Lower Upper
77 100
182 85.1 4.7 44.7#
105 160.5 0.4 40.4#
51 42.4 16.5 56.5

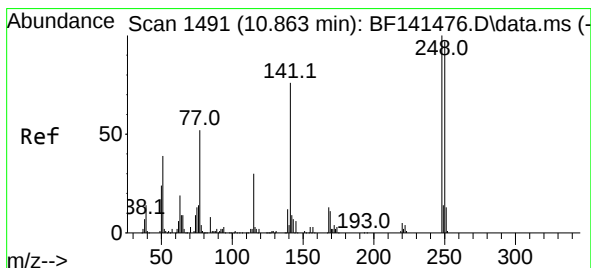
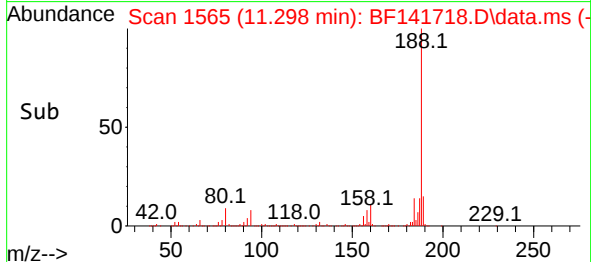
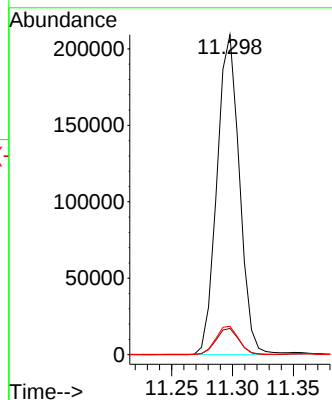
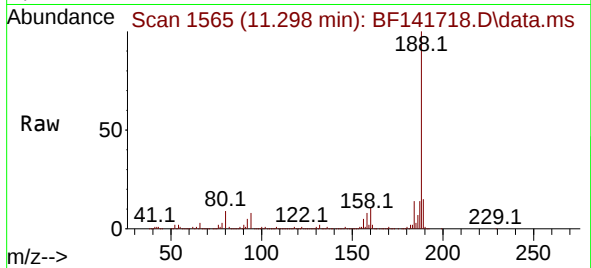




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

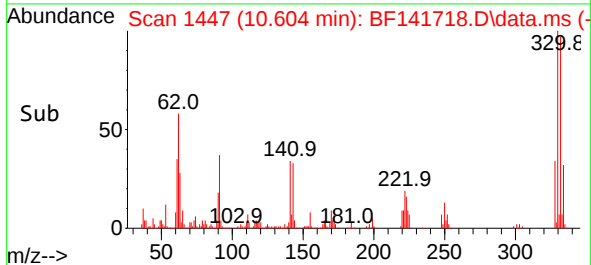
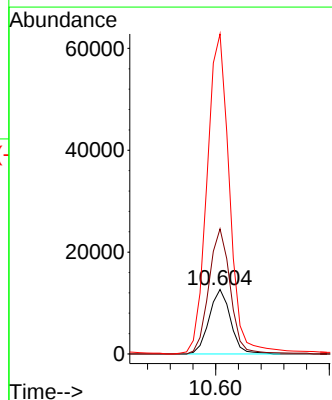
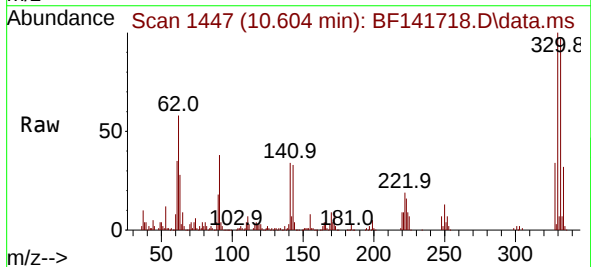
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER-COMP

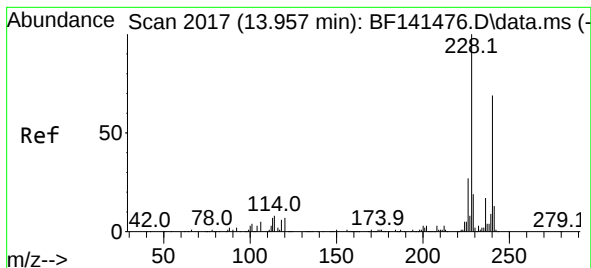
Tgt Ion:188 Resp: 269387
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 8.9 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 5.513 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.259 min
Lab File: BF141718.D
Acq: 21 Feb 2025 14:18

Tgt Ion:248 Resp: 16599
Ion Ratio Lower Upper
248 100
250 194.0 77.8 116.6#
141 495.9 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2017

Delta R.T. -0.029 min

Lab File: BF141718.D

Acq: 21 Feb 2025 14:18

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER-COMP

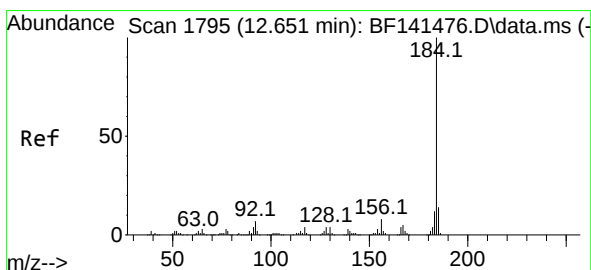
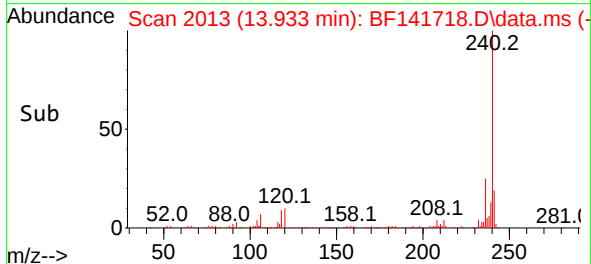
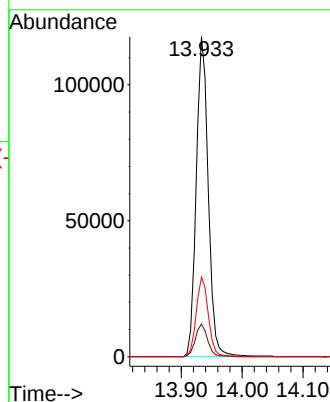
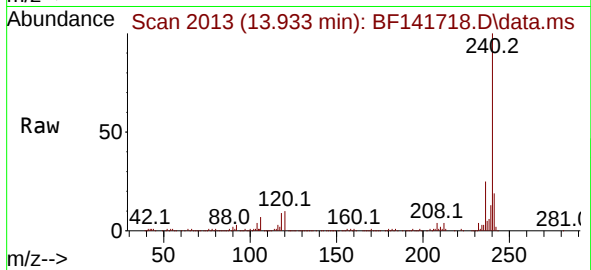
Tgt Ion:240 Resp: 161228

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 24.8 19.8 29.8



#77

Benzidine

Concen: 3.230 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.223 min

Lab File: BF141718.D

Acq: 21 Feb 2025 14:18

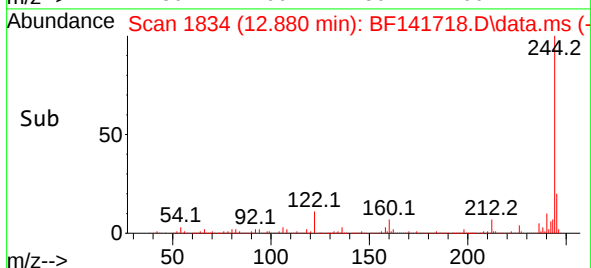
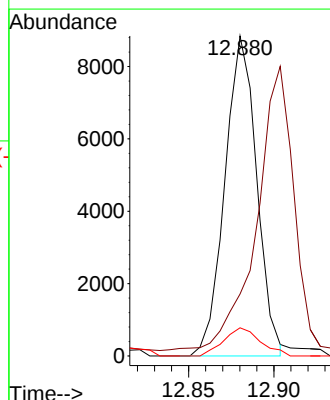
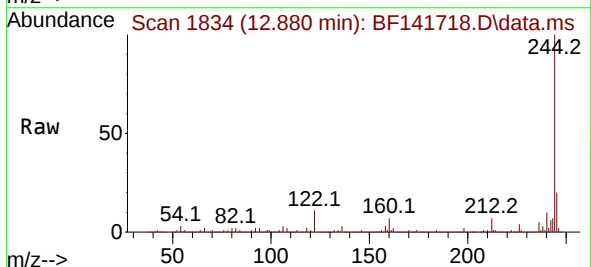
Tgt Ion:184 Resp: 11484

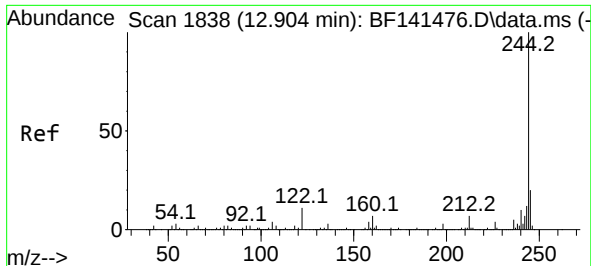
Ion Ratio Lower Upper

184 100

185 19.3 11.3 16.9#

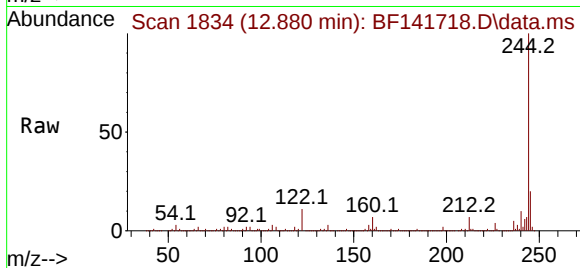
183 8.8 9.3 13.9#



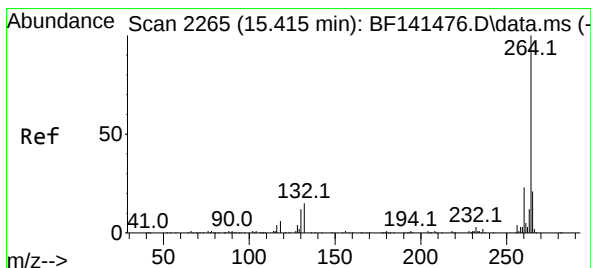
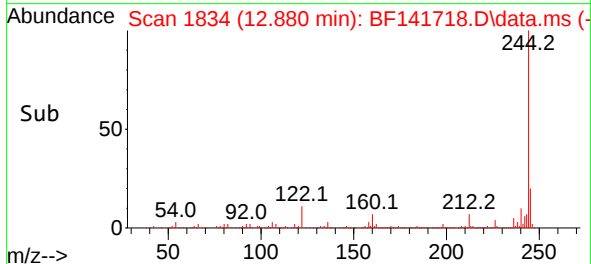
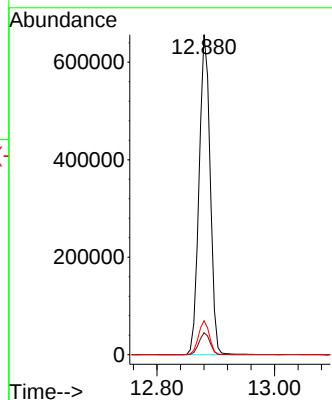


#79
 Terphenyl-d14
 Concen: 89.853 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BF141718.D
 Acq: 21 Feb 2025 14:18

Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER-COMP



Tgt Ion:244 Resp: 858135
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.374 min Scan# 2258
 Delta R.T. -0.041 min
 Lab File: BF141718.D
 Acq: 21 Feb 2025 14:18

Tgt Ion:264 Resp: 179832
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.5 17.0 25.4

