

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021822\
 Data File : BF126960.D
 Acq On : 18 Feb 2022 19:03
 Operator : CG\JU
 Sample : N1600-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AA7

Quant Time: Feb 18 23:53:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

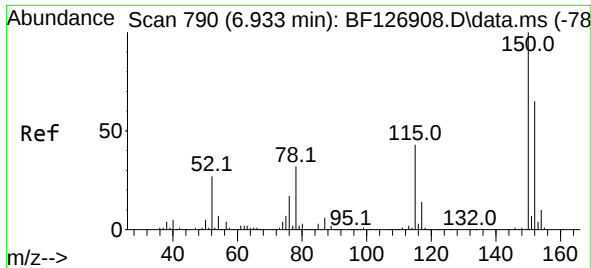
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.933	152	91120	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	342376	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	176424	20.000	ng	0.01
64) Phenanthrene-d10	11.474	188	275453	20.000	ng	0.01
76) Chrysene-d12	14.104	240	161383	20.000	ng	# 0.00
86) Perylene-d12	15.609	264	147844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	548434	93.025	ng	0.00
7) Phenol-d6	6.557	99	744570	93.596	ng	0.00
23) Nitrobenzene-d5	7.498	82	541350	71.369	ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	159779	78.659	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	740921	61.826	ng	0.00
79) Terphenyl-d14	13.051	244	660829	60.195	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.486	77	20396	4.212	ng	# 1
18) Hexachloroethane	7.469	117	106540	40.179	ng	# 1
19) n-Nitroso-di-n-propyla...	7.363	70	26364	5.143	ng	# 74
22) Acetophenone	7.322	105	307740	34.138	ng	# 54
25) Isophorone	7.745	82	128659	10.250	ng	# 1
26) 2-Nitrophenol	7.833	139	7736	2.536	ng	# 1
28) bis(2-Chloroethoxy)met...	7.975	93	15946	2.096	ng	# 1
31) Naphthalene	8.245	128	113511	6.351	ng	# 78
32) Benzoic acid	8.010	122	7448	2.095	ng	# 1
35) Caprolactam	8.669	113	9007	5.474	ng	# 1
37) 2-Methylnaphthalene	8.939	142	200983	17.330	ng	98
38) 1-Methylnaphthalene	9.033	142	130465	11.748	ng	95
44) 2,4,5-Trichlorophenol	9.239	196	7335	2.046	ng	# 1
46) 1,1'-Biphenyl	9.398	154	77537	5.547	ng	95
51) 2,6-Dinitrotoluene	9.739	165	11492	4.479	ng	# 56
56) 4-Nitrophenol	10.086	139	11409	4.925	ng	# 1
57) 2,4-Dinitrotoluene	10.180	165	8097	2.334	ng	# 61
66) n-Nitrosodiphenylamine	10.633	169	77924	8.627	ng	# 59
69) Atrazine	11.163	200	12364	4.414	ng	75
71) Phenanthrene	11.498	178	38015	2.466	ng	# 85
75) Fluoranthene	12.915	202	37468	2.559	ng	92
78) Pyrene	12.915	202	37468	2.672	ng	# 93

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

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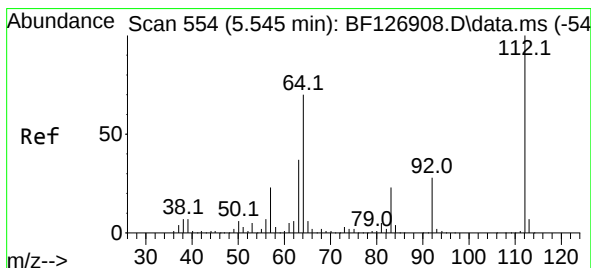
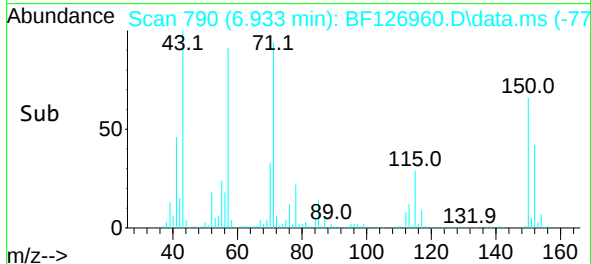
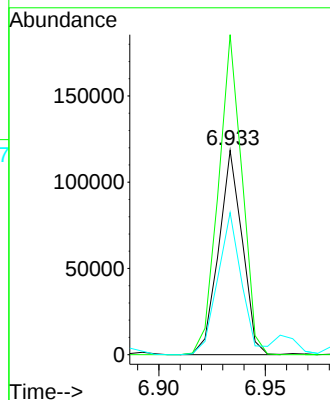
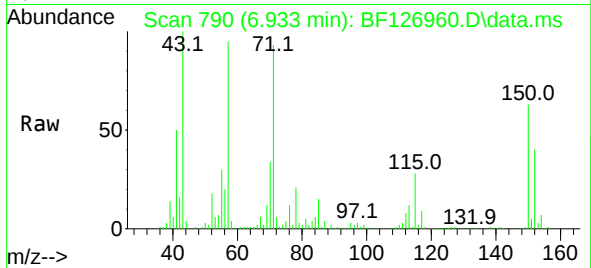




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.933 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

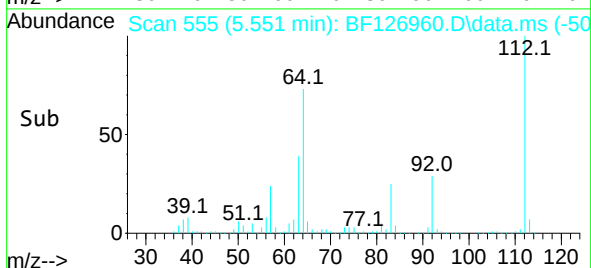
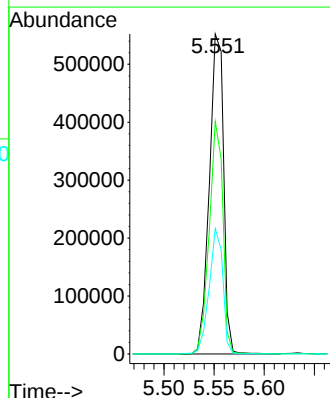
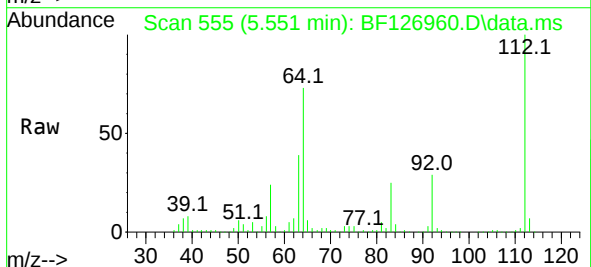
Instrument :
BNA_F
ClientSampleId :
C0AA7

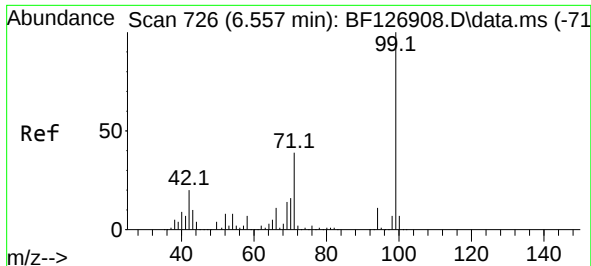
Tgt Ion:152 Resp: 91120
Ion Ratio Lower Upper
152 100
150 156.6 128.1 192.1
115 69.6 56.7 85.1



#5
2-Fluorophenol
Concen: 93.025 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:112 Resp: 548434
Ion Ratio Lower Upper
112 100
64 72.6 49.5 74.3
63 39.1 23.9 35.9#

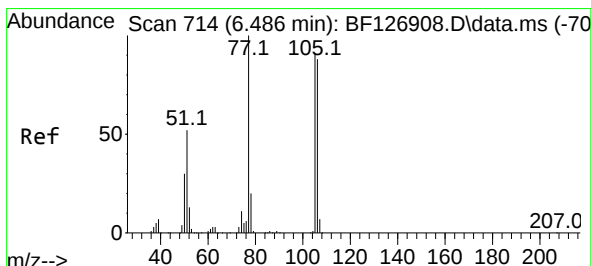
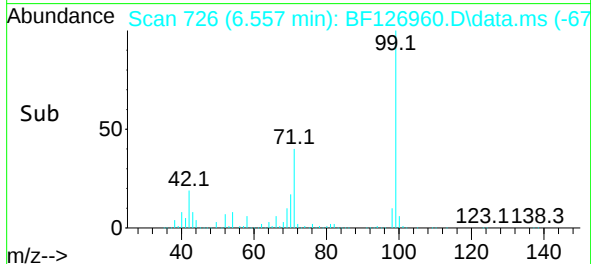
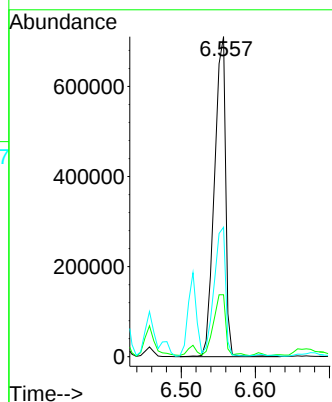
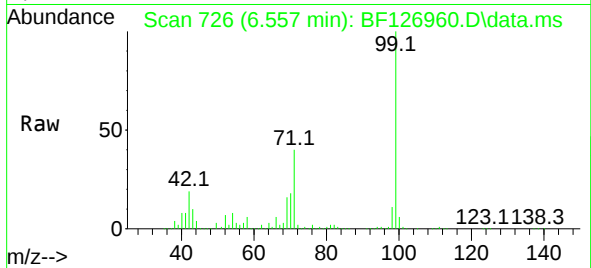




#7
Phenol-d6
Concen: 93.596 ng
RT: 6.557 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

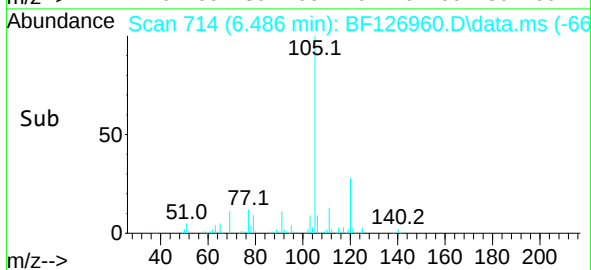
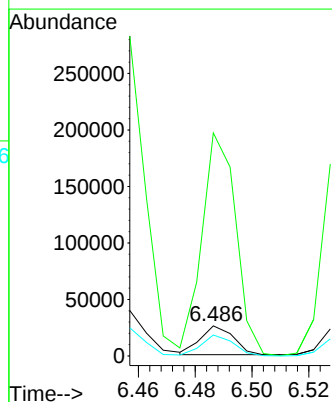
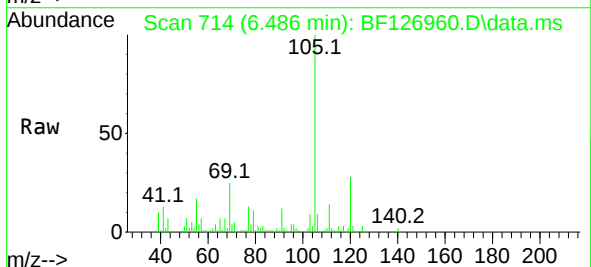
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ClientSampleId :
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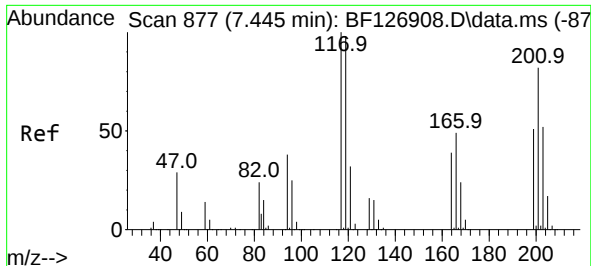
Tgt Ion: 99 Resp: 744570
Ion Ratio Lower Upper
99 100
42 19.4 14.2 21.4
71 40.4 24.3 36.5#



#9
Benzaldehyde
Concen: 4.212 ng
RT: 6.486 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion: 77 Resp: 20396
Ion Ratio Lower Upper
77 100
105 742.7 74.9 114.9#
106 69.9 72.4 112.4#

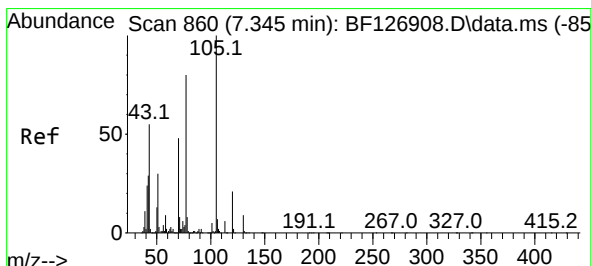
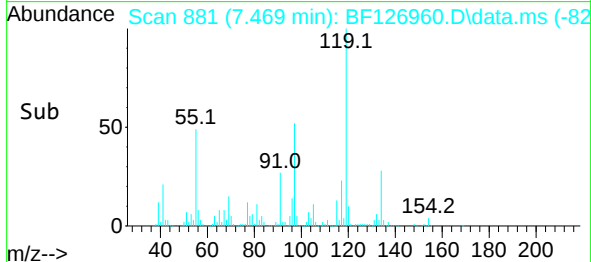
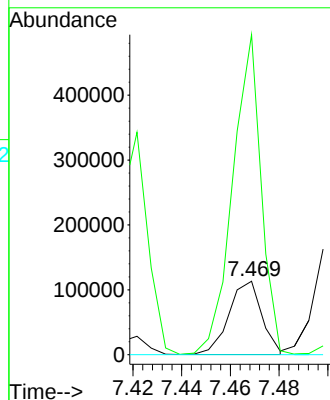
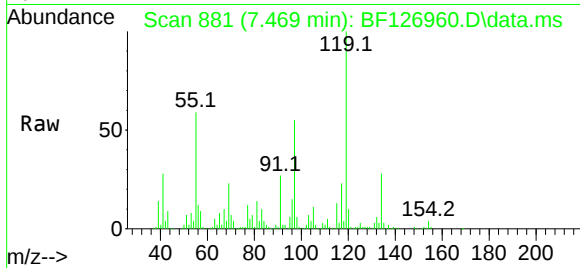




#18
Hexachloroethane
Concen: 40.179 ng
RT: 7.469 min Scan# 81
Delta R.T. 0.023 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

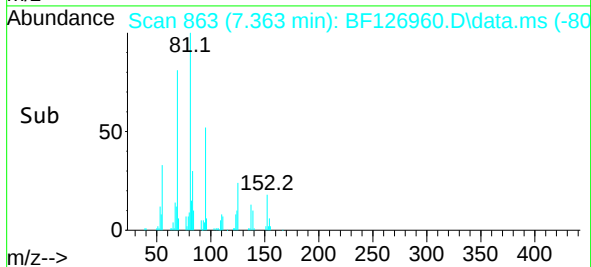
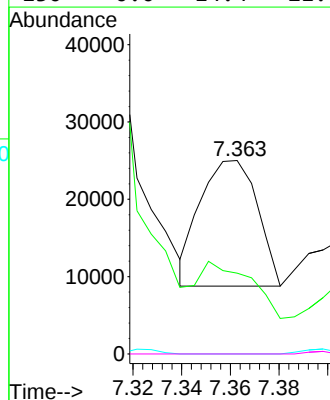
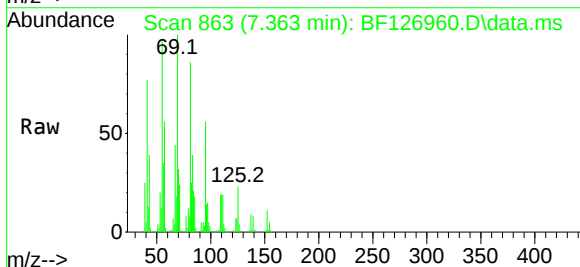
Instrument :
BNA_F
ClientSampleId :
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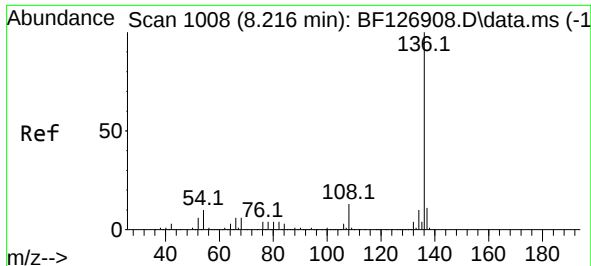
Tgt Ion:117 Resp: 106540
Ion Ratio Lower Upper
117 100
119 436.0 75.4 113.0#
201 0.0 56.8 85.2#



#19
n-Nitroso-di-n-propylamine
Concen: 5.143 ng
RT: 7.363 min Scan# 863
Delta R.T. 0.018 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion: 70 Resp: 26364
Ion Ratio Lower Upper
70 100
42 41.8 45.8 68.8#
101 0.0 6.9 10.3#
130 0.0 14.4 21.6#

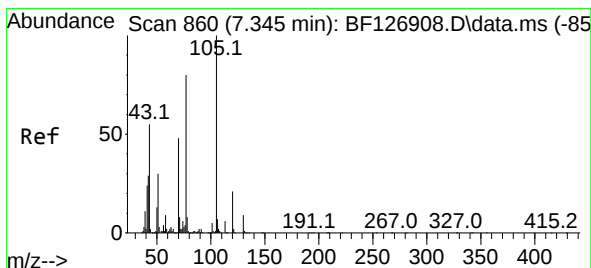
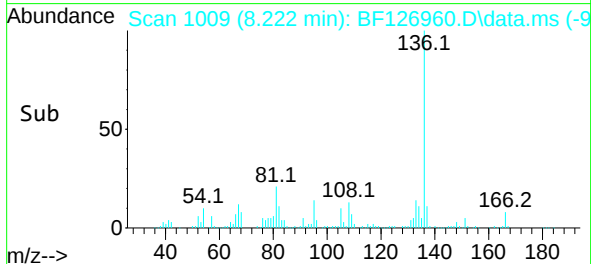
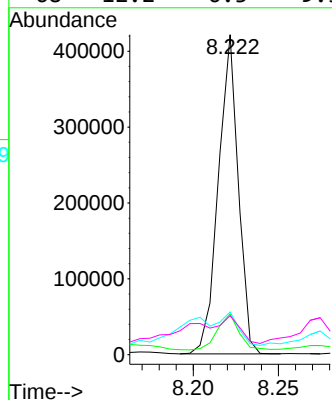
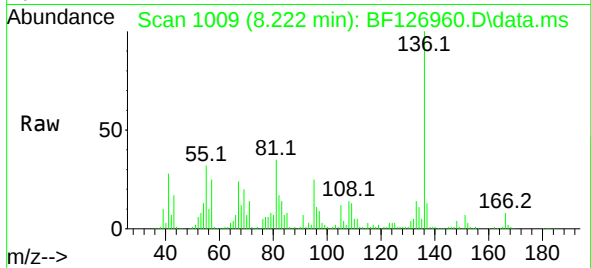




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

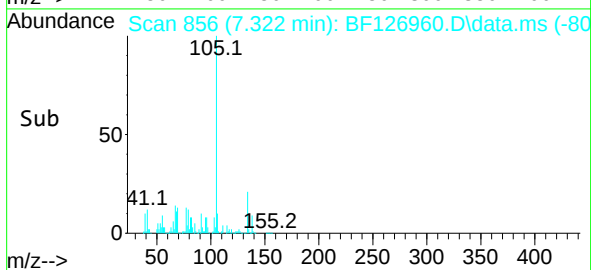
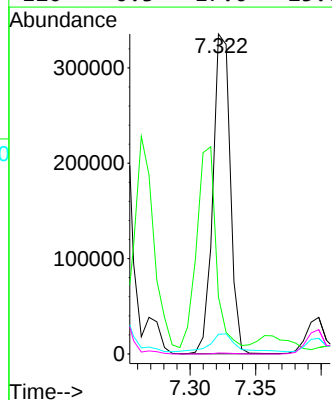
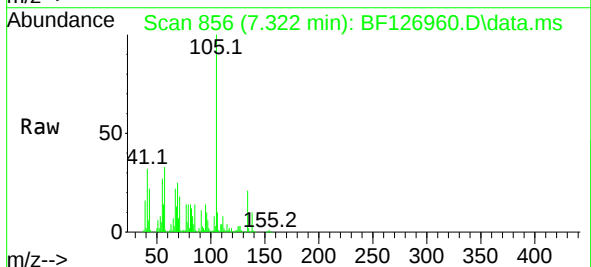
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ClientSampleId :
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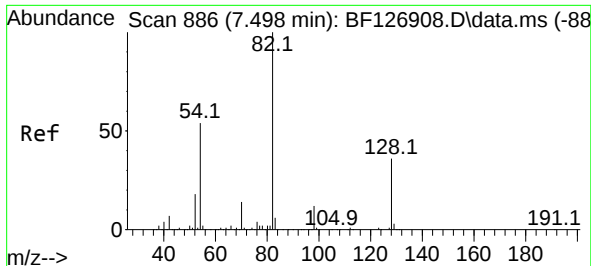
Tgt Ion:136 Resp: 342376
Ion Ratio Lower Upper
136 100
137 12.8 8.6 13.0
54 13.3 7.8 11.6#
68 12.2 6.3 9.5#



#22
Acetophenone
Concen: 34.138 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.024 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:105 Resp: 307740
Ion Ratio Lower Upper
105 100
71 17.9 5.4 8.0#
51 6.2 27.4 41.0#
120 0.3 17.0 25.6#

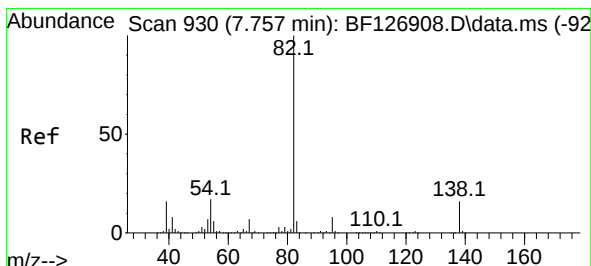
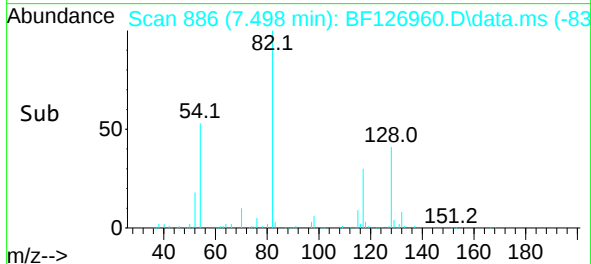
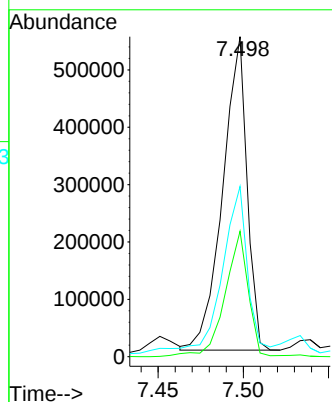
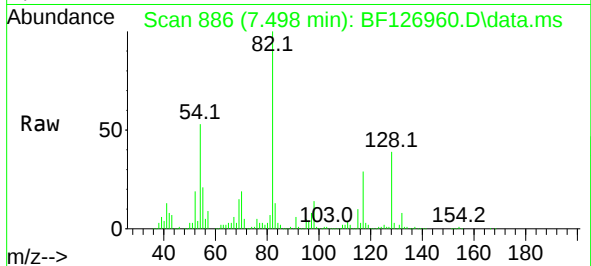




#23
Nitrobenzene-d5
Concen: 71.369 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

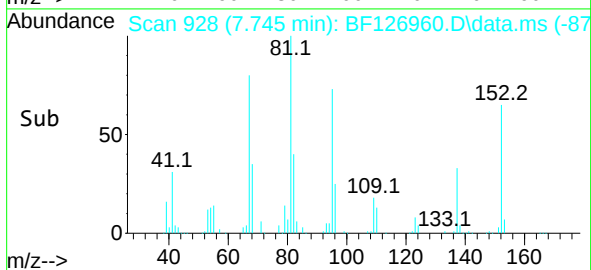
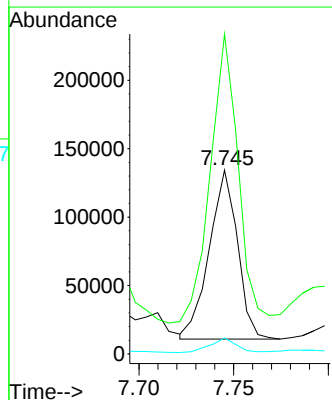
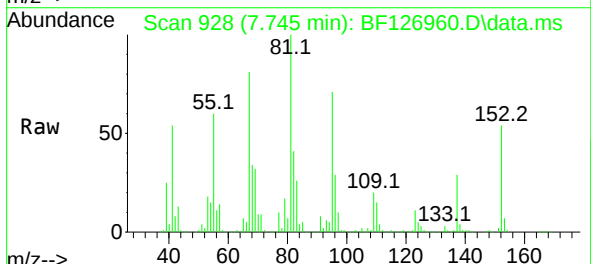
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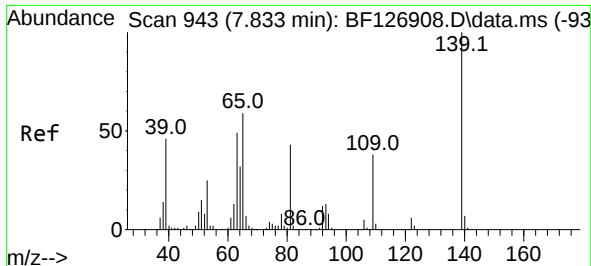
Tgt Ion: 82 Resp: 541350
Ion Ratio Lower Upper
82 100
128 39.2 32.7 49.1
54 53.2 41.7 62.5



#25
Isophorone
Concen: 10.250 ng
RT: 7.745 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion: 82 Resp: 128659
Ion Ratio Lower Upper
82 100
95 174.0 5.0 7.4#
138 8.7 12.3 18.5#

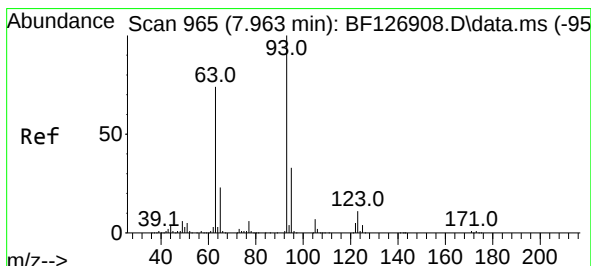
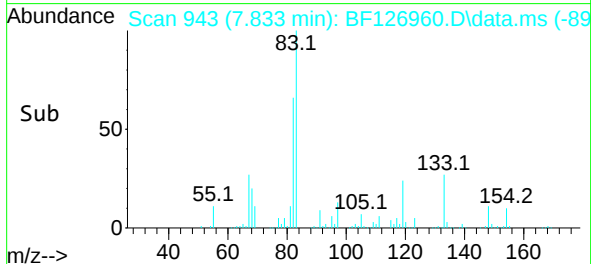
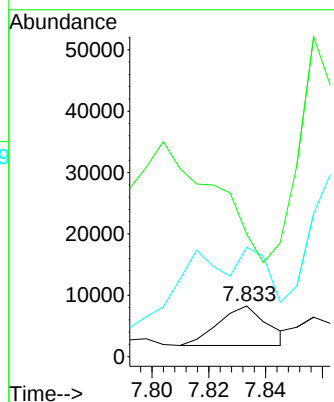
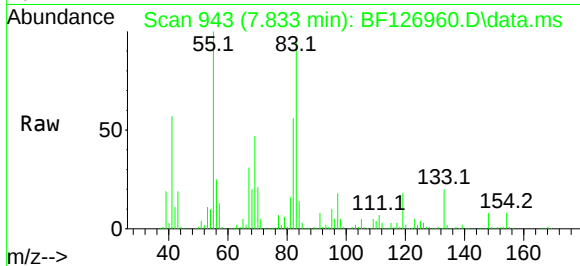




#26
2-Nitrophenol
Concen: 2.536 ng
RT: 7.833 min Scan# 943
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

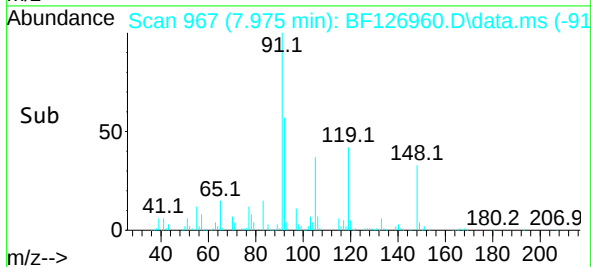
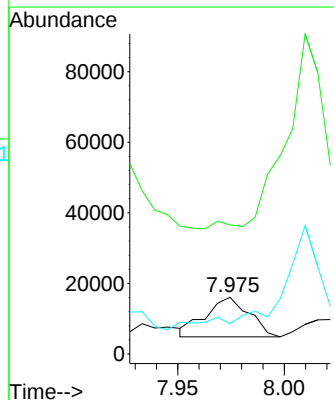
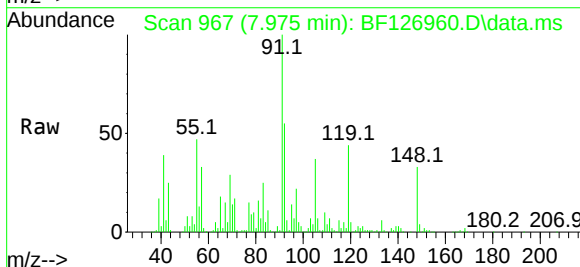
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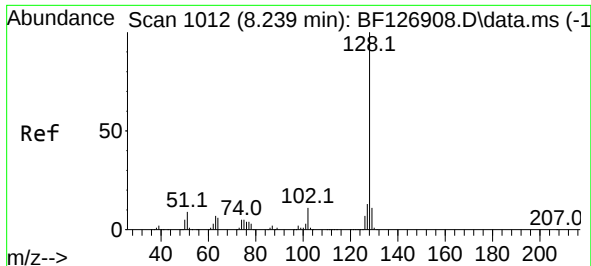
Tgt Ion:139 Resp: 7736
Ion Ratio Lower Upper
139 100
109 241.7 20.0 30.0#
65 215.5 40.8 61.2#



#28
bis(2-Chloroethoxy)methane
Concen: 2.096 ng
RT: 7.975 min Scan# 967
Delta R.T. 0.012 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion: 93 Resp: 15946
Ion Ratio Lower Upper
93 100
95 227.7 25.4 38.2#
123 53.3 8.9 13.3#

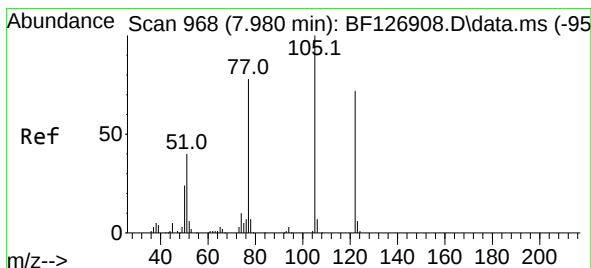
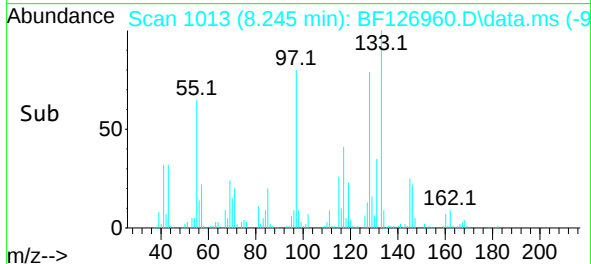
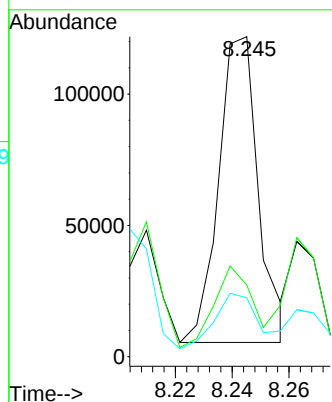
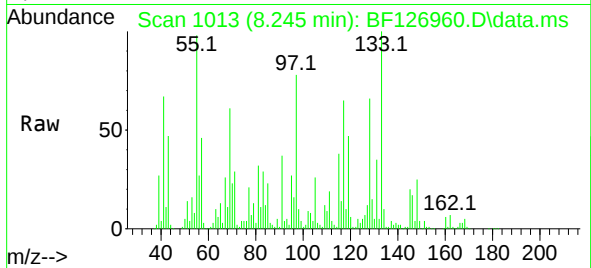




#31
Naphthalene
Concen: 6.351 ng
RT: 8.245 min Scan# 1012
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

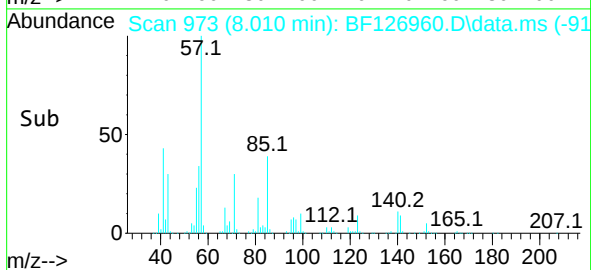
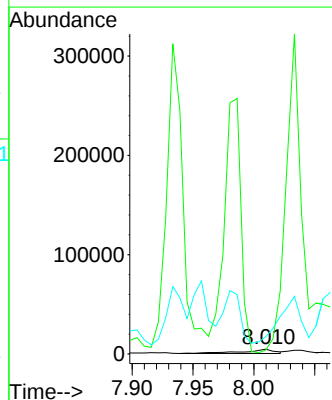
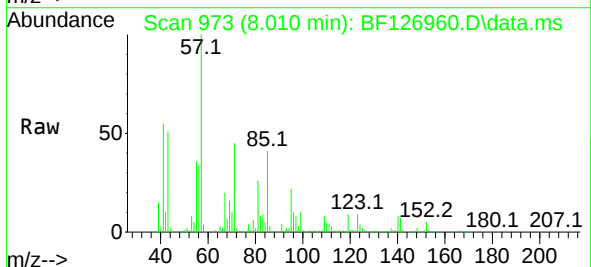
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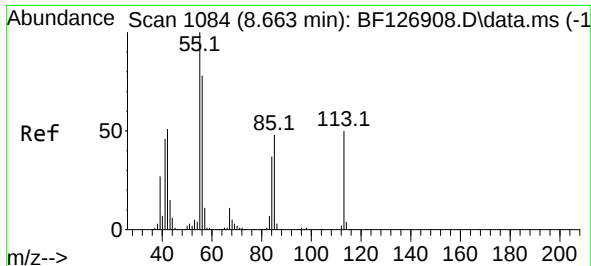
Tgt Ion:128 Resp: 113511
Ion Ratio Lower Upper
128 100
129 22.4 8.6 13.0#
127 18.4 10.3 15.5#



#32
Benzoic acid
Concen: 2.095 ng
RT: 8.010 min Scan# 973
Delta R.T. 0.029 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:122 Resp: 7448
Ion Ratio Lower Upper
122 100
105 79.8 101.0 141.0#
77 365.5 74.5 114.5#

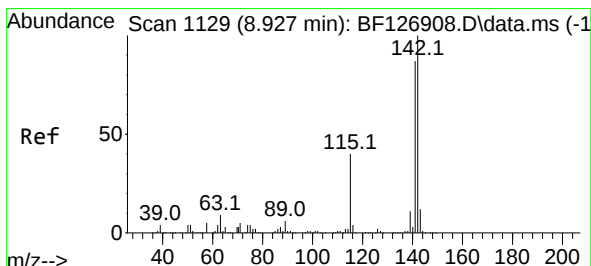
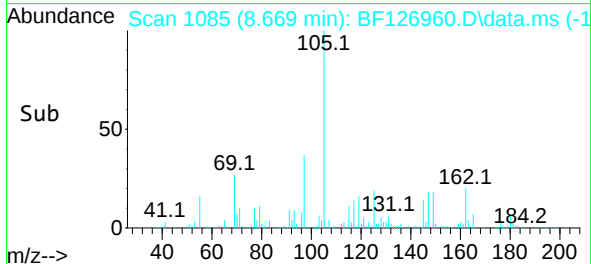
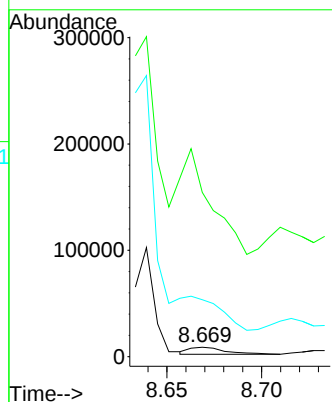
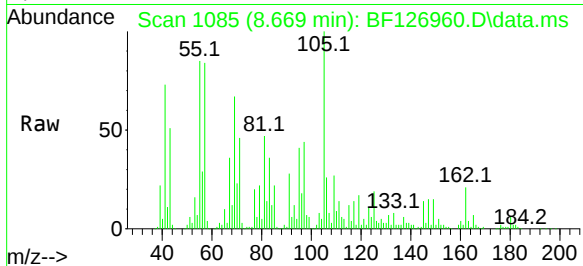




#35
 Caprolactam
 Concen: 5.474 ng
 RT: 8.669 min Scan# 1107
 Delta R.T. 0.006 min
 Lab File: BF126960.D
 Acq: 18 Feb 2022 19:03

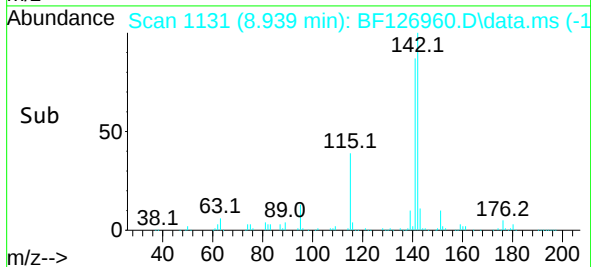
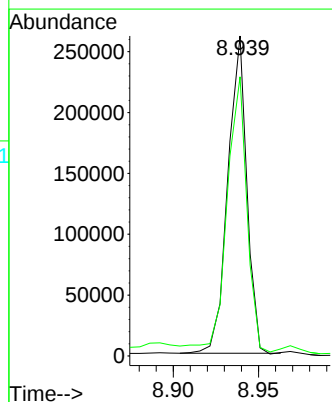
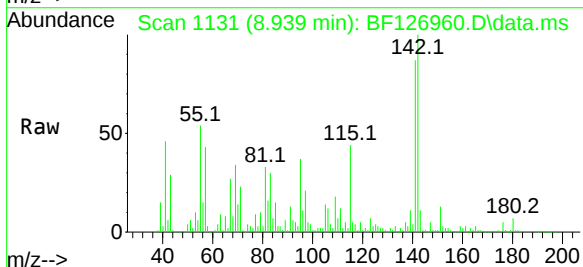
Instrument :
 BNA_F
 ClientSampleId :
 C0AA7

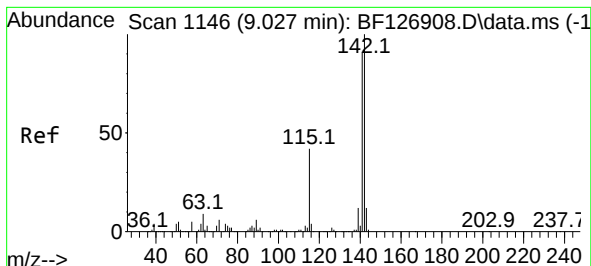
Tgt Ion:113 Resp: 9007
 Ion Ratio Lower Upper
 113 100
 55 1732.3 183.9 223.9#
 56 600.2 129.9 169.9#



#37
 2-Methylnaphthalene
 Concen: 17.330 ng
 RT: 8.939 min Scan# 1131
 Delta R.T. 0.012 min
 Lab File: BF126960.D
 Acq: 18 Feb 2022 19:03

Tgt Ion:142 Resp: 200983
 Ion Ratio Lower Upper
 142 100
 141 87.3 68.6 102.8





#38

1-Methylnaphthalene

Concen: 11.748 ng

RT: 9.033 min Scan# 1146

Delta R.T. 0.006 min

Lab File: BF126960.D

Acq: 18 Feb 2022 19:03

Instrument :

BNA_F

ClientSampleId :

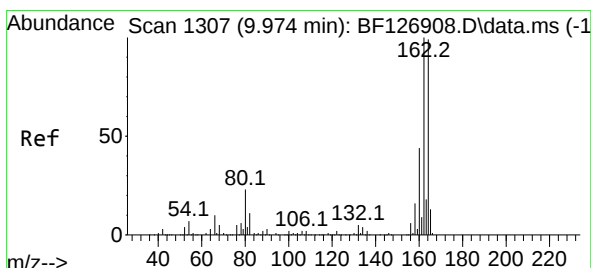
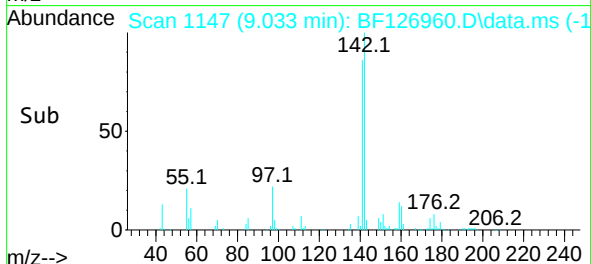
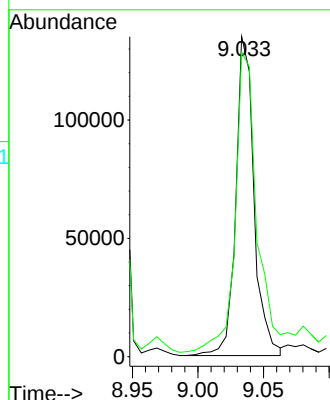
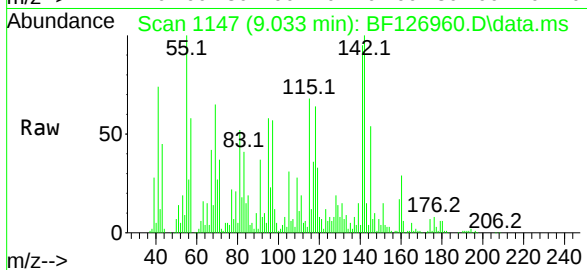
C0AA7

Tgt Ion:142 Resp: 130465

Ion Ratio Lower Upper

142 100

141 95.2 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1309

Delta R.T. 0.012 min

Lab File: BF126960.D

Acq: 18 Feb 2022 19:03

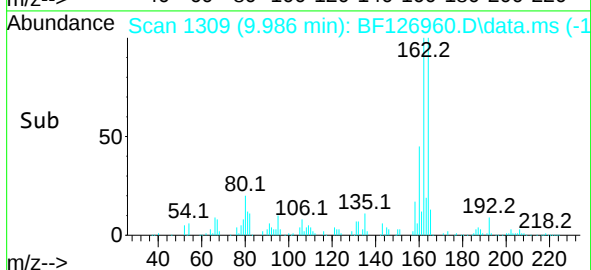
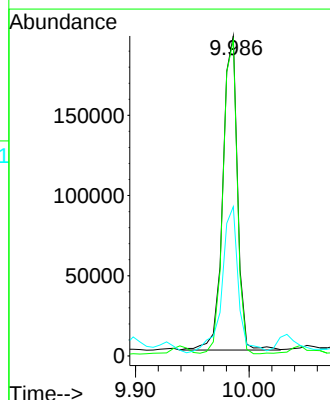
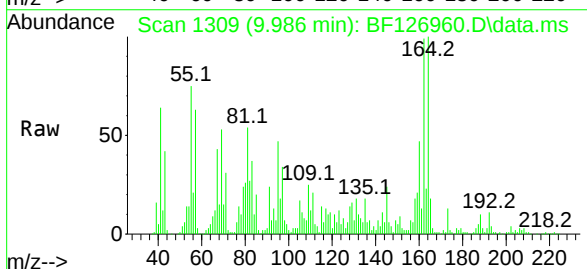
Tgt Ion:164 Resp: 176424

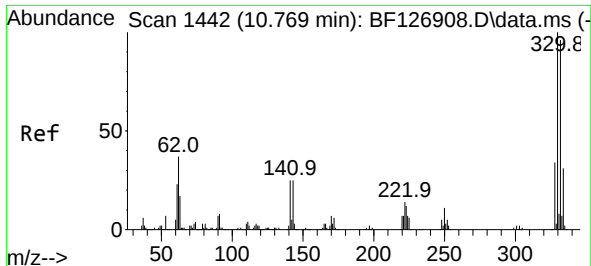
Ion Ratio Lower Upper

164 100

162 98.7 81.4 122.0

160 46.7 36.6 54.8

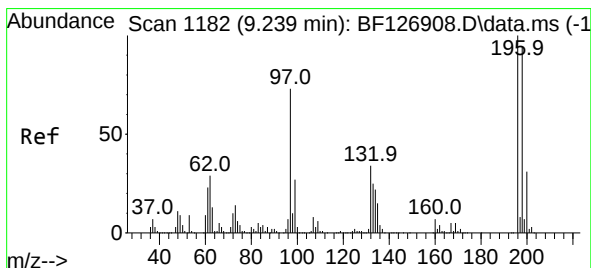
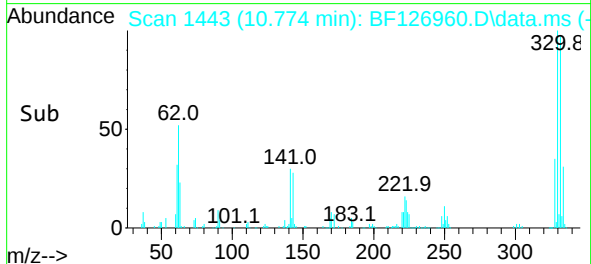
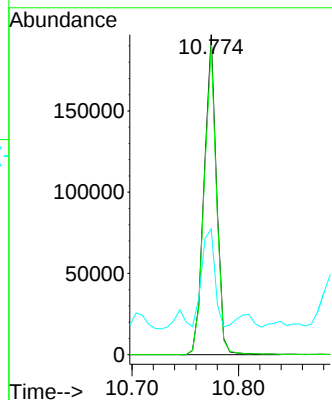
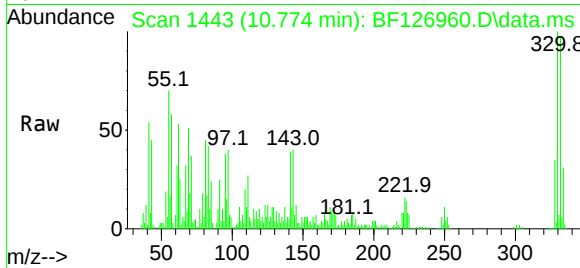




#42
2,4,6-Tribromophenol
Concen: 78.659 ng
RT: 10.774 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

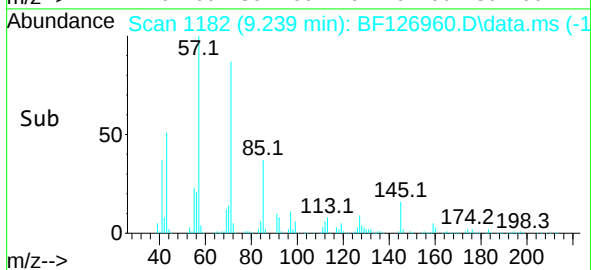
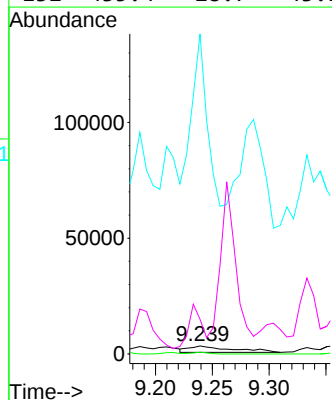
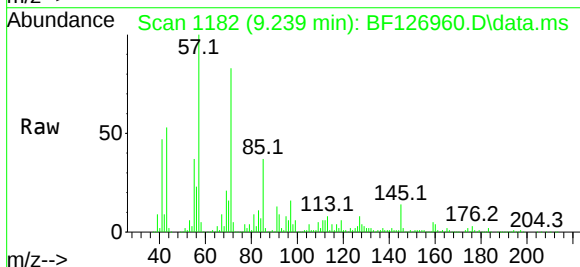
Instrument :
BNA_F
ClientSampleId :
C0AA7

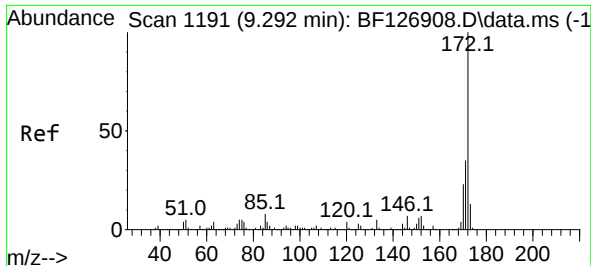
Tgt Ion:330 Resp: 159779
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 32.2 30.1 45.1



#44
2,4,5-Trichlorophenol
Concen: 2.046 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:196 Resp: 7335
Ion Ratio Lower Upper
196 100
198 21.4 82.0 123.0#
97 4022.1 53.5 80.3#
132 435.4 28.7 43.1#

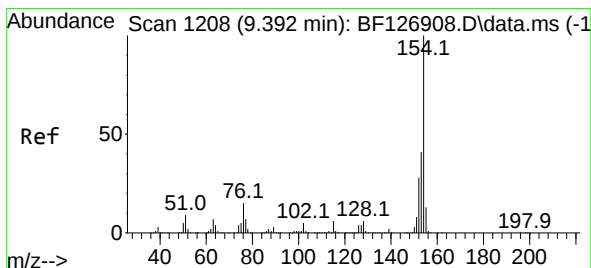
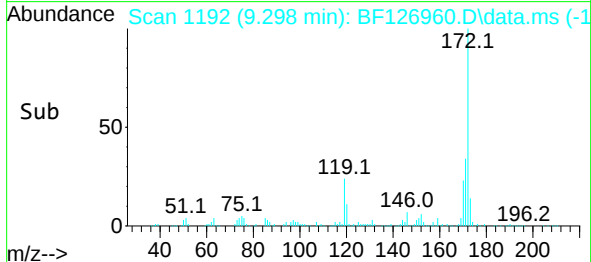
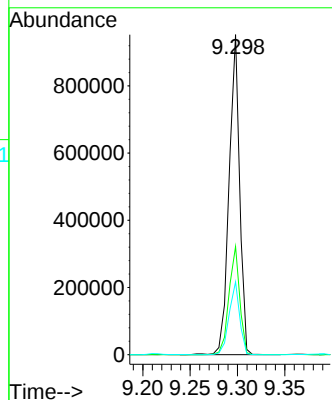
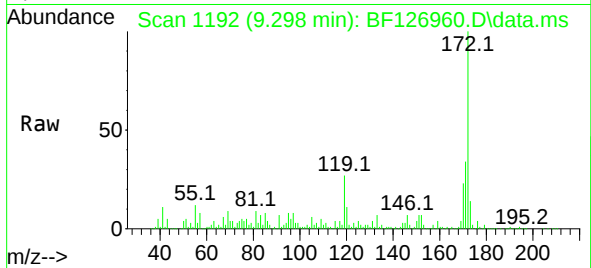




#45
2-Fluorobiphenyl
Concen: 61.826 ng
RT: 9.298 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

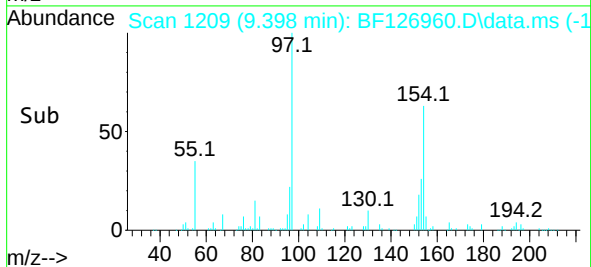
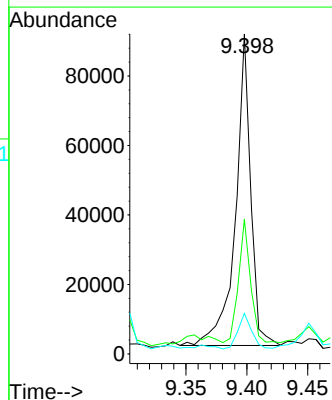
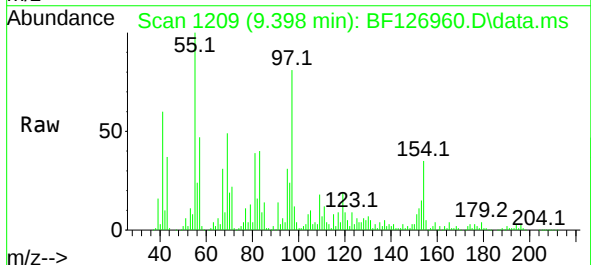
Instrument :
BNA_F
ClientSampleId :
C0AA7

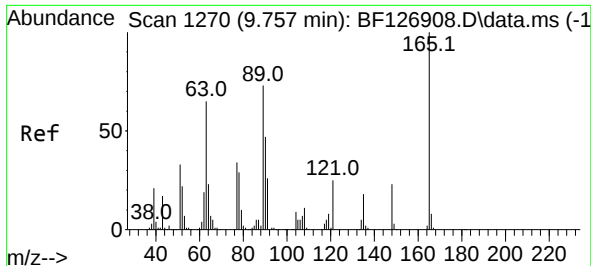
Tgt Ion:172 Resp: 740921
Ion Ratio Lower Upper
172 100
171 33.8 28.3 42.5
170 22.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 5.547 ng
RT: 9.398 min Scan# 1209
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:154 Resp: 77537
Ion Ratio Lower Upper
154 100
153 42.1 19.0 59.0
76 12.7 0.0 34.5

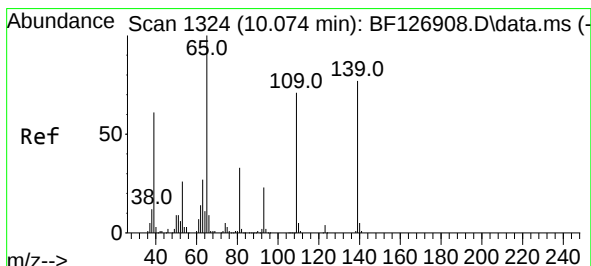
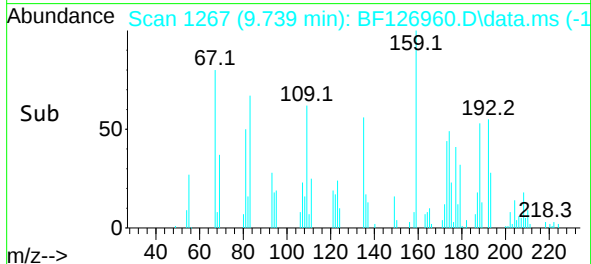
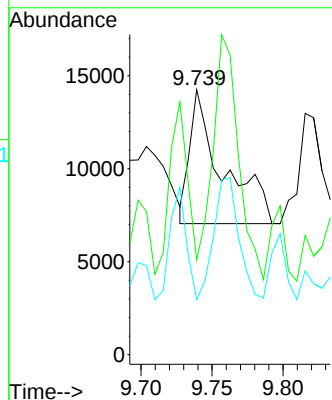
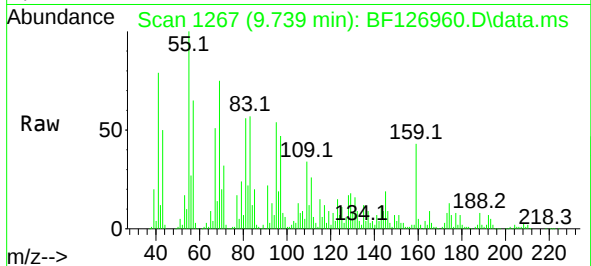




#51
2,6-Dinitrotoluene
Concen: 4.479 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

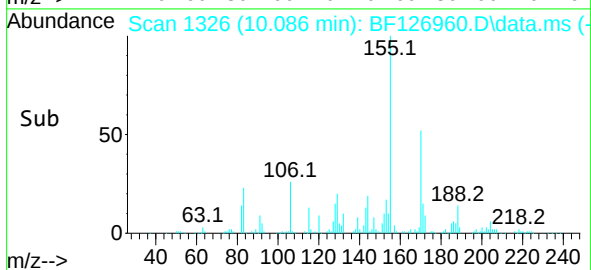
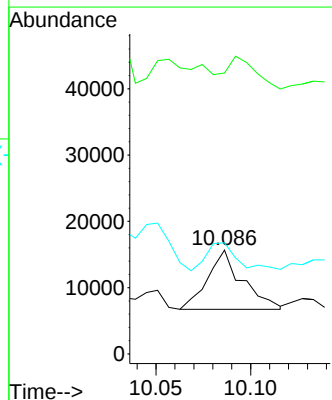
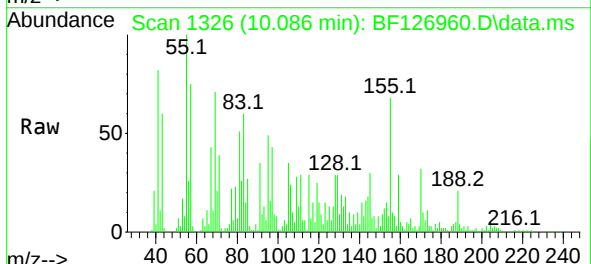
Instrument :
BNA_F
ClientSampleId :
C0AA7

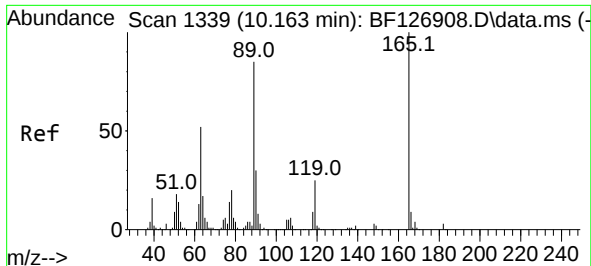
Tgt Ion:165 Resp: 11492
Ion Ratio Lower Upper
165 100
63 35.8 48.4 72.6#
89 20.8 50.5 75.7#



#56
4-Nitrophenol
Concen: 4.925 ng
RT: 10.086 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:139 Resp: 11409
Ion Ratio Lower Upper
139 100
109 270.5 44.1 84.1#
65 107.0 85.5 125.5

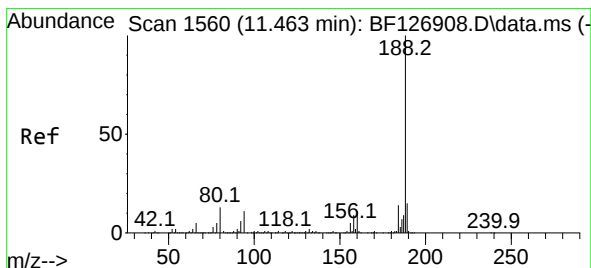
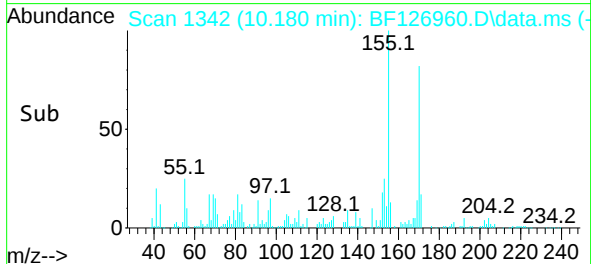
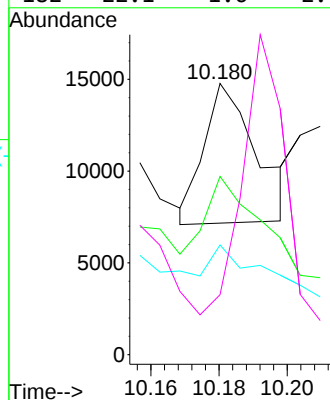
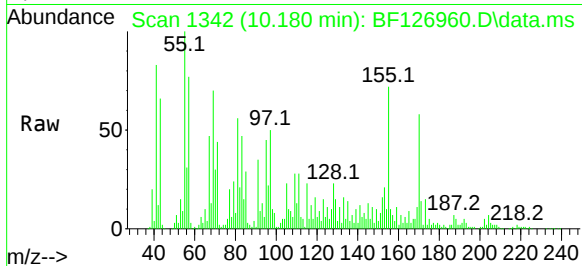




#57
2,4-Dinitrotoluene
Concen: 2.334 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

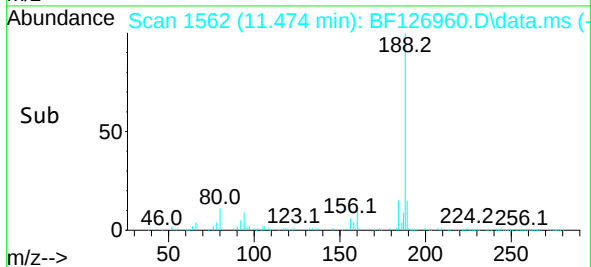
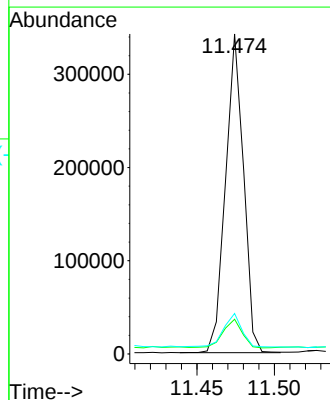
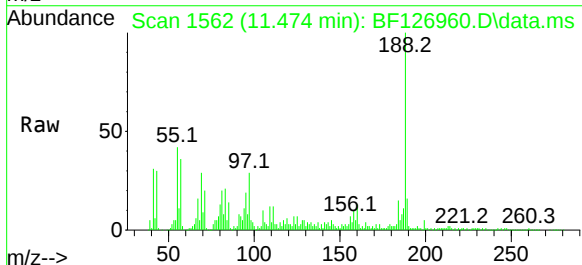
Instrument :
BNA_F
ClientSampleId :
C0AA7

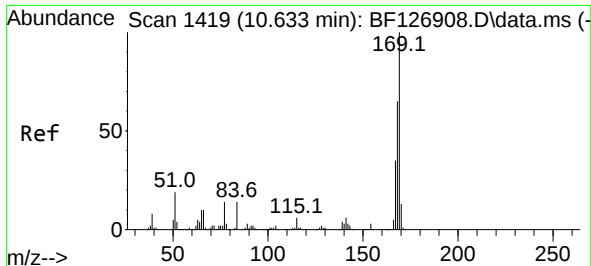
Tgt Ion:165 Resp: 8097
Ion Ratio Lower Upper
165 100
63 65.7 43.0 64.6#
89 40.5 71.0 106.4#
182 22.1 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. 0.012 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:188 Resp: 275453
Ion Ratio Lower Upper
188 100
94 10.9 10.1 15.1
80 12.7 11.8 17.6

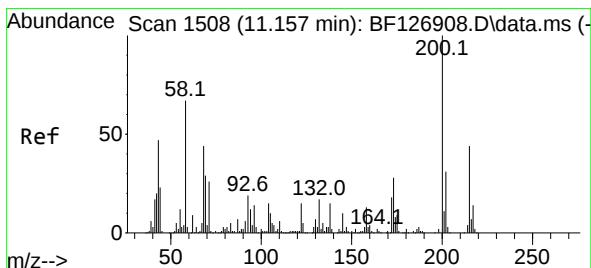
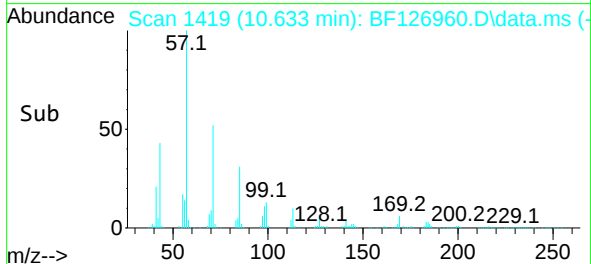
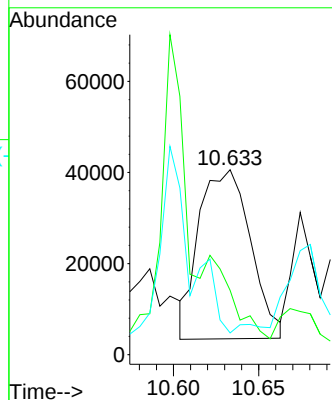
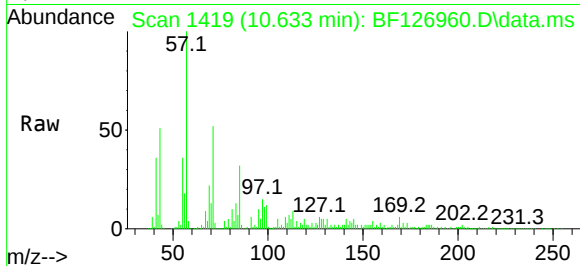




#66
n-Nitrosodiphenylamine
Concen: 8.627 ng
RT: 10.633 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

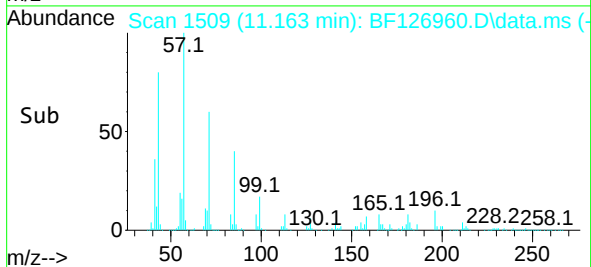
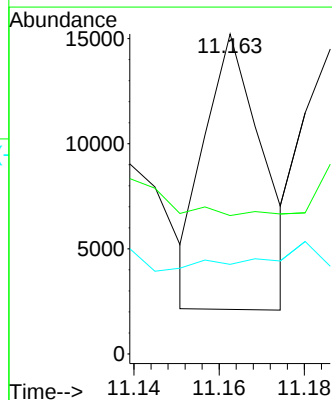
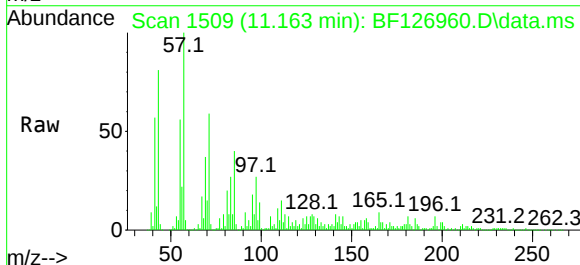
Instrument :
BNA_F
ClientSampleId :
C0AA7

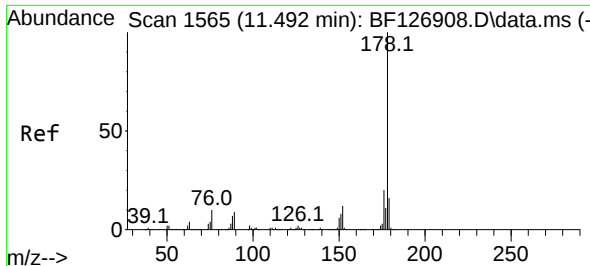
Tgt Ion:169 Resp: 77924
Ion Ratio Lower Upper
169 100
168 34.8 53.4 80.0#
167 11.7 29.4 44.0#



#69
Atrazine
Concen: 4.414 ng
RT: 11.163 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:200 Resp: 12364
Ion Ratio Lower Upper
200 100
173 43.2 9.2 49.2
215 28.0 23.2 63.2

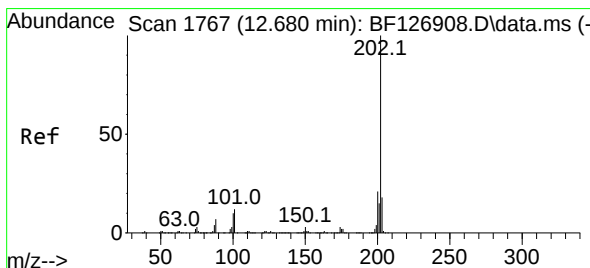
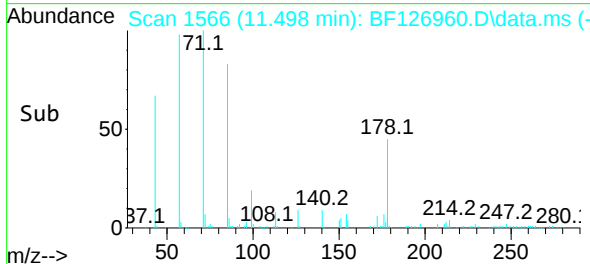
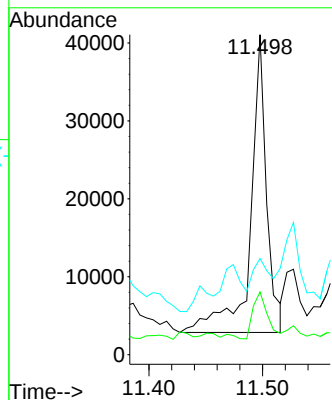
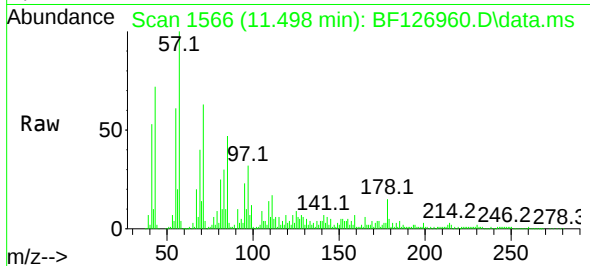




#71
Phenanthrene
Concen: 2.466 ng
RT: 11.498 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

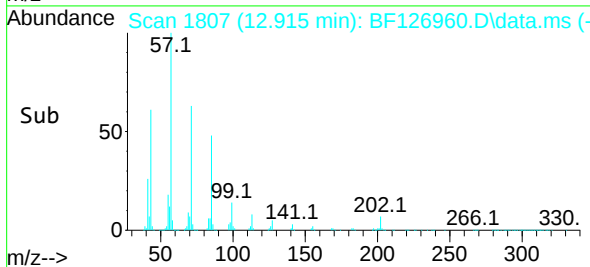
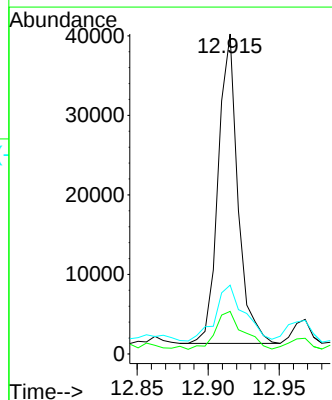
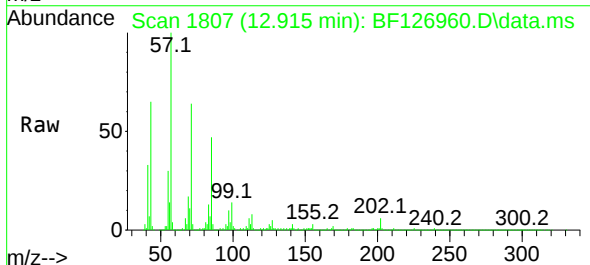
Instrument :
BNA_F
ClientSampleId :
C0AA7

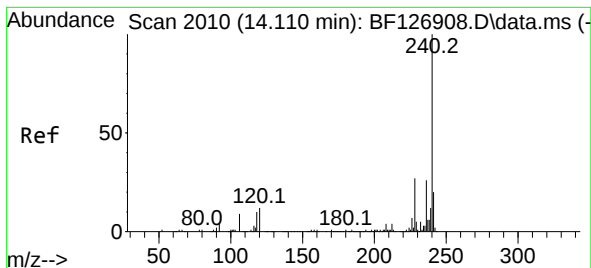
Tgt Ion:178 Resp: 38015
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 30.1 12.3 18.5#



#75
Fluoranthene
Concen: 2.559 ng
RT: 12.915 min Scan# 1807
Delta R.T. 0.235 min
Lab File: BF126960.D
Acq: 18 Feb 2022 19:03

Tgt Ion:202 Resp: 37468
Ion Ratio Lower Upper
202 100
101 13.3 0.0 35.7
203 21.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF126960.D

Acq: 18 Feb 2022 19:03

Instrument :

BNA_F

ClientSampleId :

C0AA7

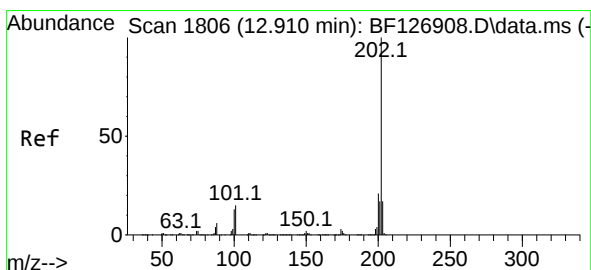
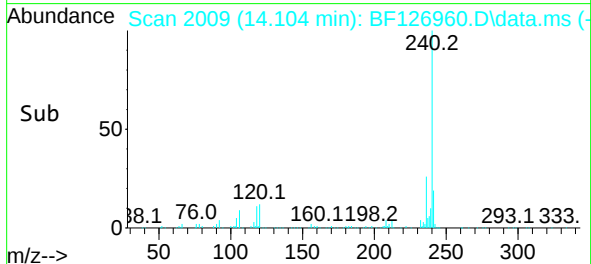
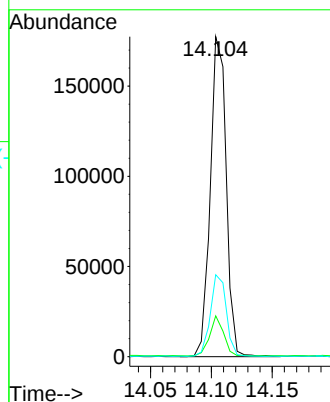
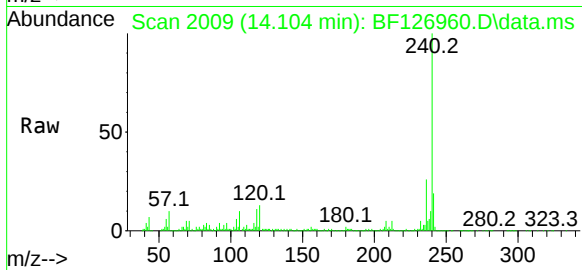
Tgt Ion:240 Resp: 161383

Ion Ratio Lower Upper

240 100

120 12.8 14.4 21.6#

236 25.6 20.5 30.7



#78

Pyrene

Concen: 2.672 ng

RT: 12.915 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF126960.D

Acq: 18 Feb 2022 19:03

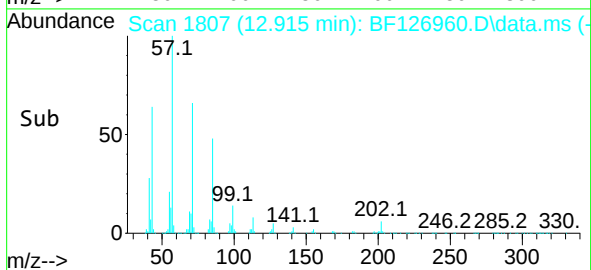
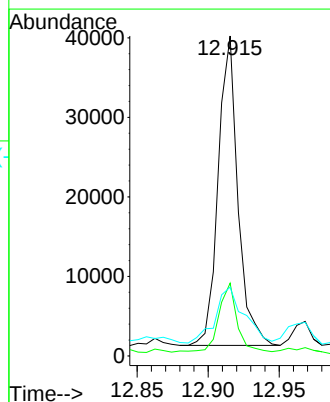
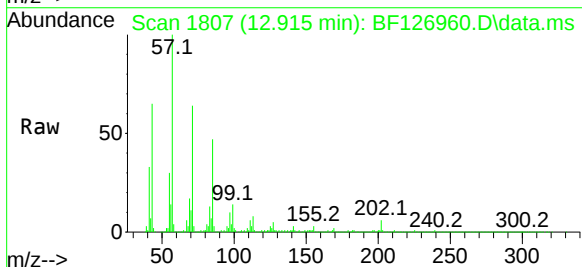
Tgt Ion:202 Resp: 37468

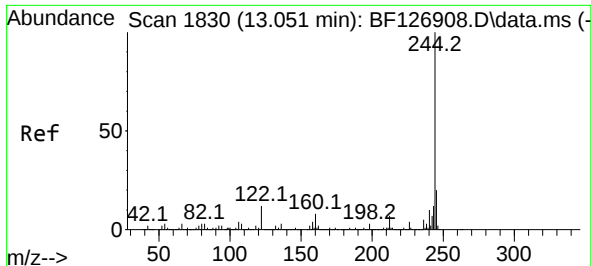
Ion Ratio Lower Upper

202 100

200 22.8 16.6 24.8

203 21.5 13.8 20.8#

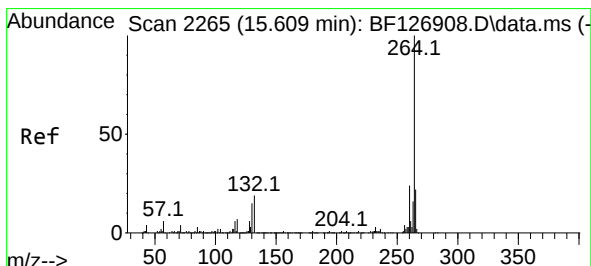
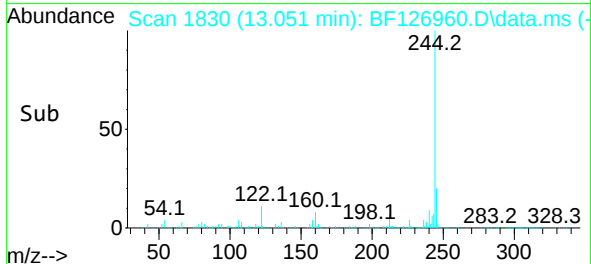
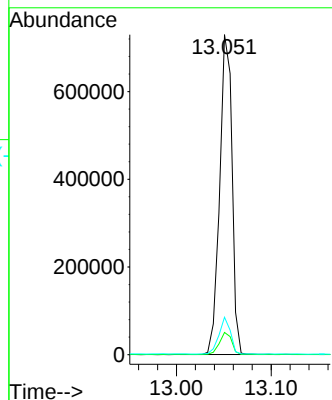
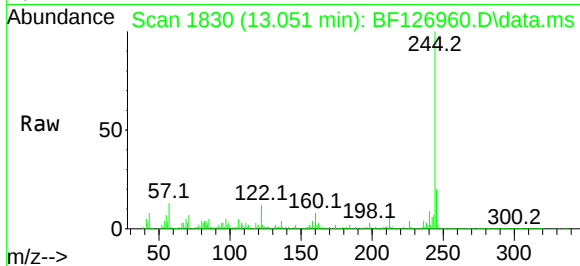




#79
 Terphenyl-d14
 Concen: 60.195 ng
 RT: 13.051 min Scan# 1830
 Delta R.T. -0.000 min
 Lab File: BF126960.D
 Acq: 18 Feb 2022 19:03

Instrument :
 BNA_F
 ClientSampleId :
 C0AA7

Tgt Ion:244 Resp: 660829
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 11.7 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.609 min Scan# 2265
 Delta R.T. -0.000 min
 Lab File: BF126960.D
 Acq: 18 Feb 2022 19:03

Tgt Ion:264 Resp: 147844
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 20.2 17.4 26.2

