

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126672.D
 Acq On : 25 Jan 2022 19:10
 Operator : CG/JU
 Sample : N1245-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(3.5-4)

Quant Time: Jan 26 00:22:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

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

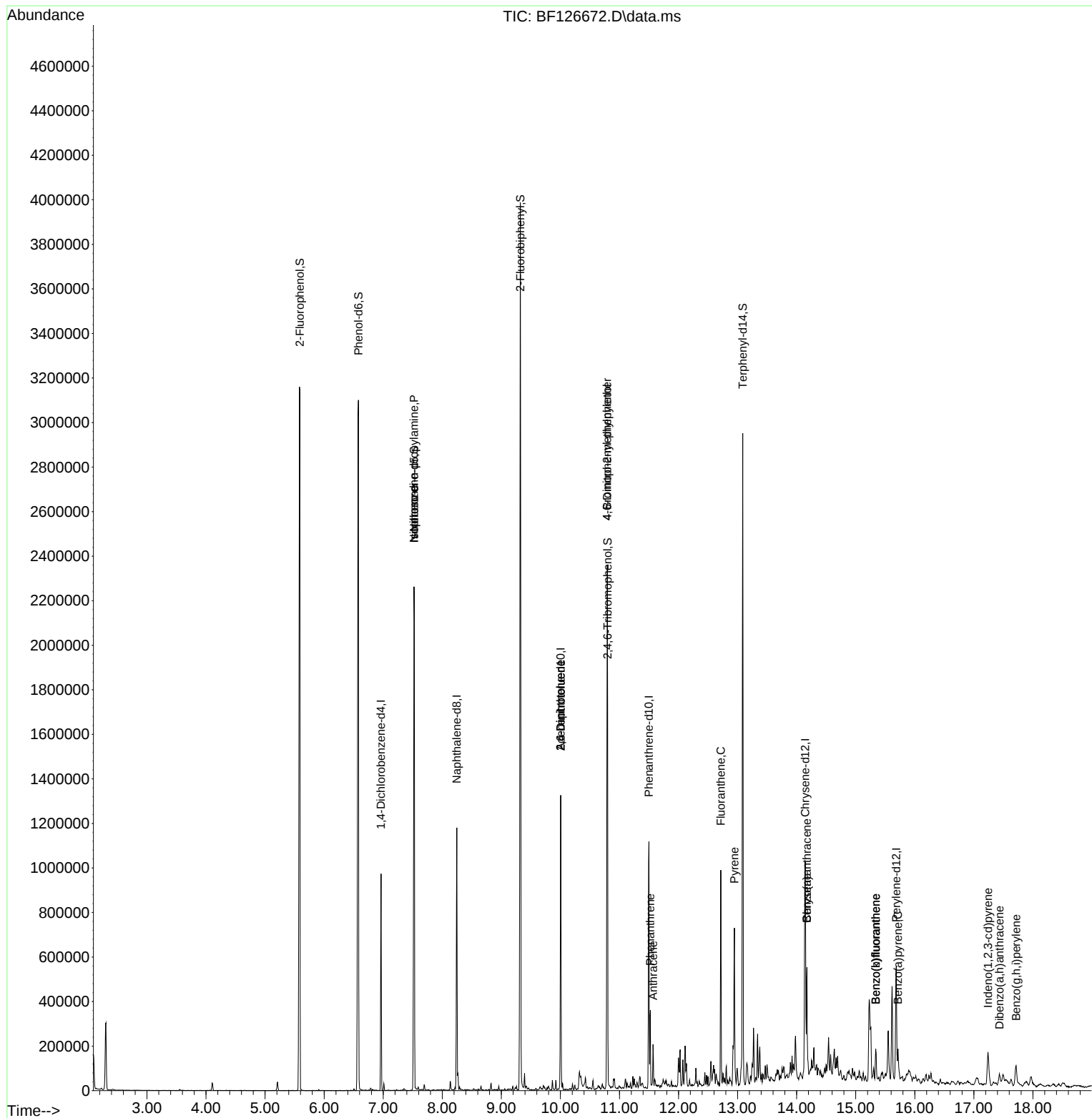
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	115838	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	440270	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	240188	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	371174	20.000	ng	0.00
76) Chrysene-d12	14.145	240	231882	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	239808	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	920980	104.622	ng	0.00
7) Phenol-d6	6.581	99	1260299	103.044	ng	0.00
23) Nitrobenzene-d5	7.522	82	934112	83.045	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	244628	108.831	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1161368	74.052	ng	0.00
79) Terphenyl-d14	13.086	244	905402	65.490	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	748	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.522	70	127401	14.272	ng	# 70
25) Isophorone	7.522	82	934102	42.821	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	30826	10.472	ng	# 21
57) 2,4-Dinitrotoluene	10.004	165	30826	8.642	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.792	198	615	7.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	16439	3.843	ng	# 1
71) Phenanthrene	11.522	178	118235	5.576	ng	98
72) Anthracene	11.569	178	59814	2.811	ng	99
75) Fluoranthene	12.716	202	310148	14.807	ng	98
78) Pyrene	12.945	202	259146	13.820	ng	100
81) Benzo(a)anthracene	14.174	228	183835	11.664	ng	95
83) Chrysene	14.174	228	183835	12.122	ng	98
87) Indeno(1,2,3-cd)pyrene	17.239	276	92086	6.215	ng	# 85
88) Benzo(b)fluoranthene	15.339	252	59143	3.719	ng	94
89) Benzo(k)fluoranthene	15.339	252	59143	3.788	ng	94
90) Benzo(a)pyrene	15.715	252	50508	3.904	ng	98
91) Dibenzo(a,h)anthracene	17.433	278	31138	2.537	ng	96
92) Benzo(g,h,i)perylene	17.715	276	74237	6.168	ng	# 86

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

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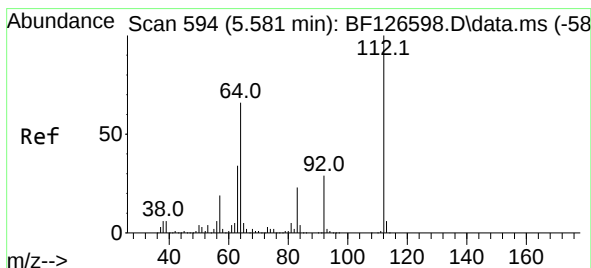
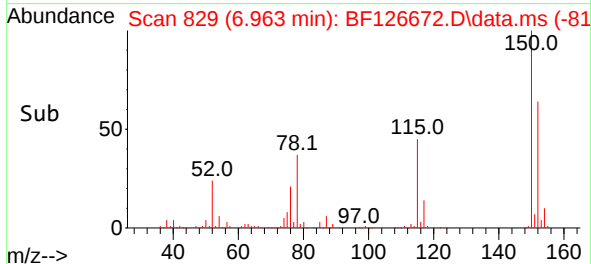
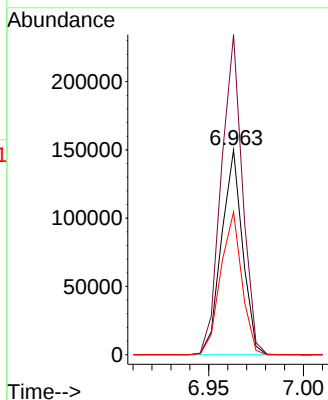
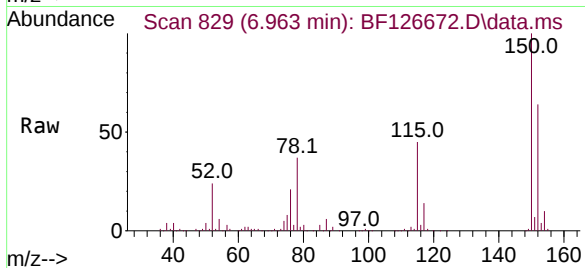




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

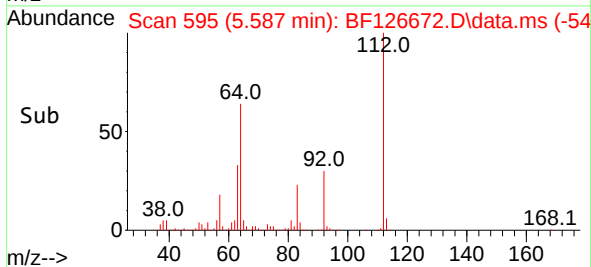
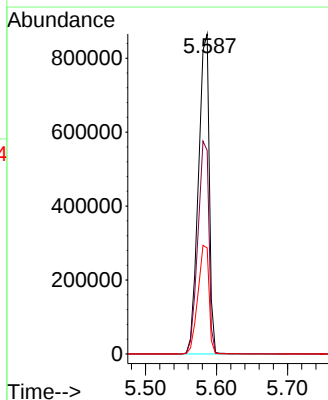
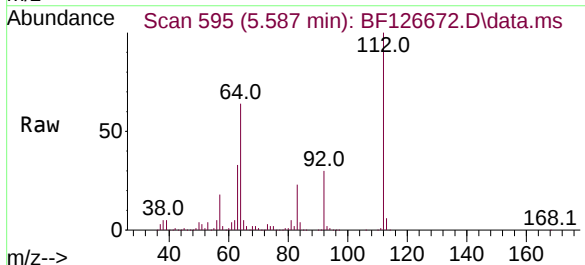
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

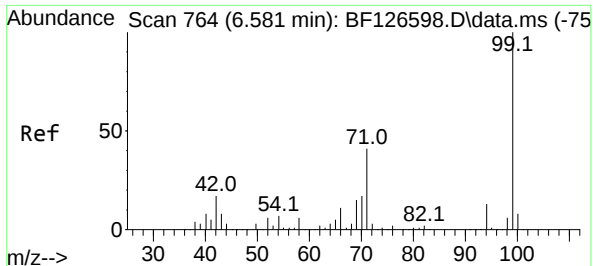
Tgt Ion:152 Resp: 115838
Ion Ratio Lower Upper
152 100
150 156.3 128.1 192.1
115 69.8 56.7 85.1



#5
2-Fluorophenol
Concen: 104.622 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:112 Resp: 920980
Ion Ratio Lower Upper
112 100
64 63.6 49.5 74.3
63 33.1 23.9 35.9

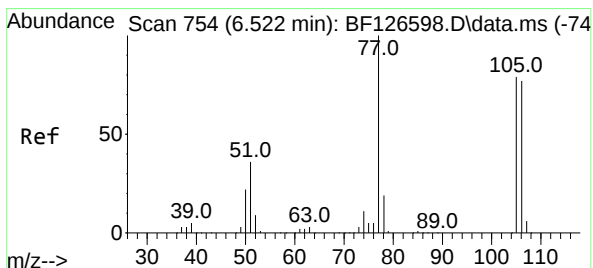
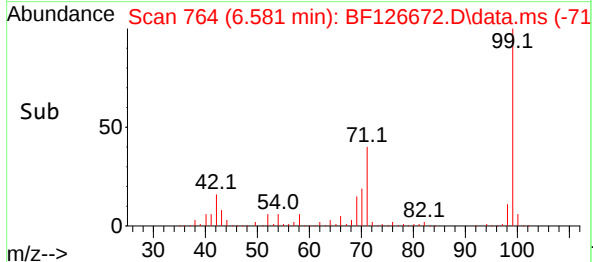
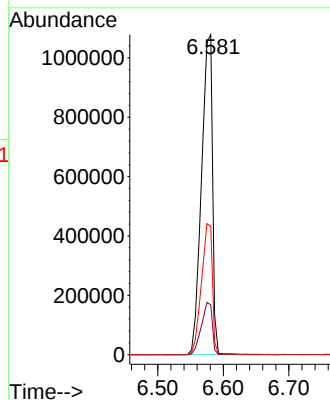
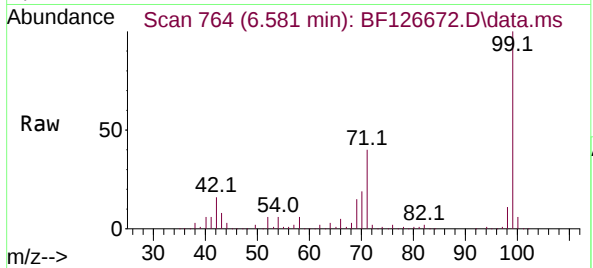




#7
Phenol-d6
Concen: 103.044 ng
RT: 6.581 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

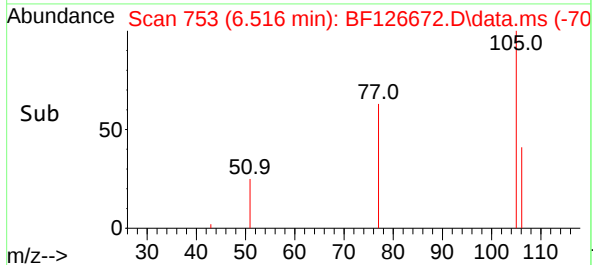
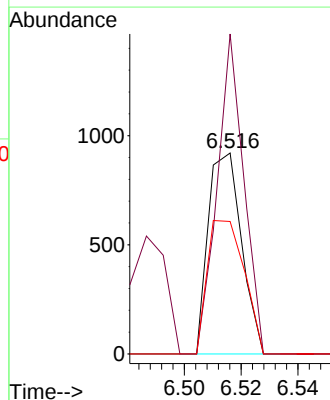
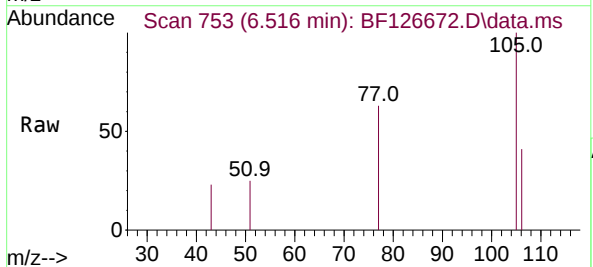
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

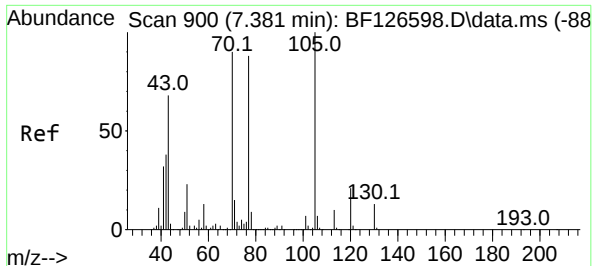
Tgt Ion: 99 Resp: 1260299
Ion Ratio Lower Upper
99 100
42 15.6 14.2 21.4
71 40.1 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion: 77 Resp: 748
Ion Ratio Lower Upper
77 100
105 159.2 74.9 114.9#
106 65.9 72.4 112.4#





#19

n-Nitroso-di-n-propylamine

Concen: 14.272 ng

RT: 7.522 min Scan# 91

Delta R.T. 0.141 min

Lab File: BF126672.D

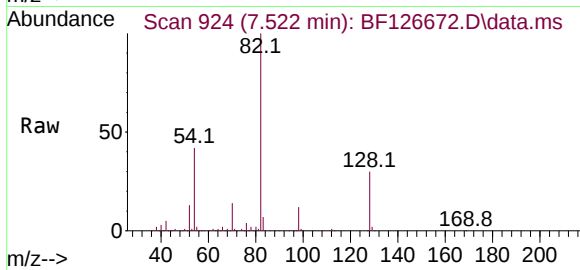
Acq: 25 Jan 2022 19:10

Instrument :

BNA_F

ClientSampleId :

SB-5(3.5-4)



Tgt Ion: 70 Resp: 127401

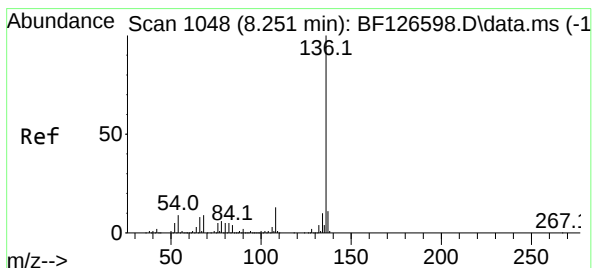
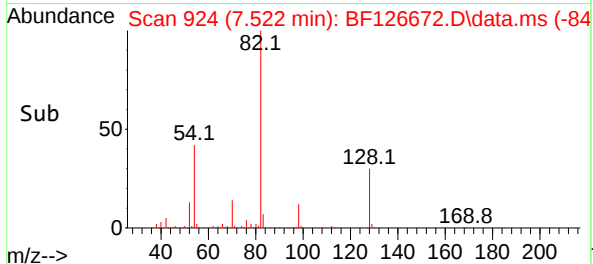
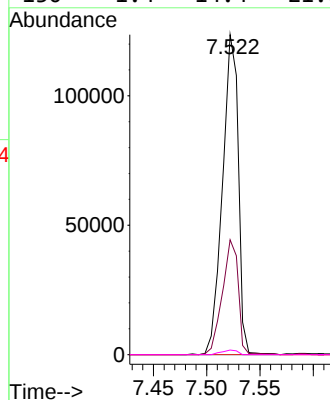
Ion Ratio Lower Upper

70 100

42 35.9 45.8 68.8#

101 0.0 6.9 10.3#

130 1.4 14.4 21.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1047

Delta R.T. -0.006 min

Lab File: BF126672.D

Acq: 25 Jan 2022 19:10

Tgt Ion: 136 Resp: 440270

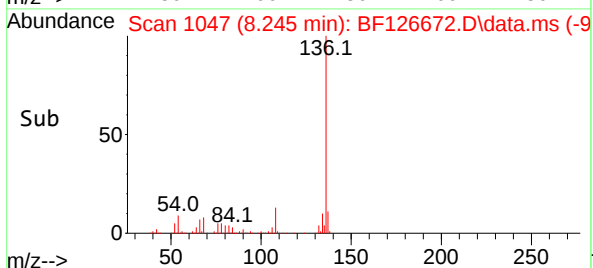
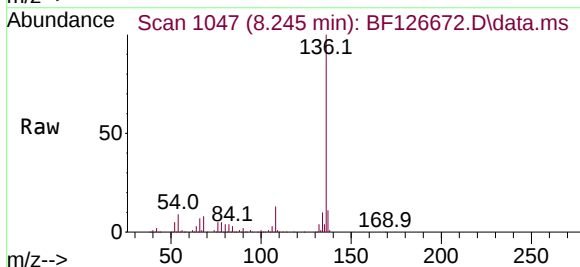
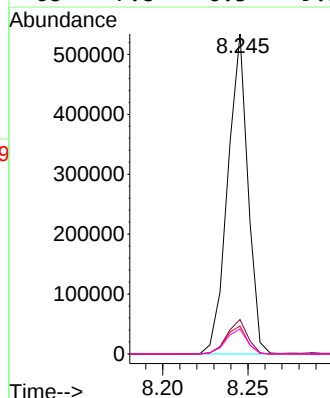
Ion Ratio Lower Upper

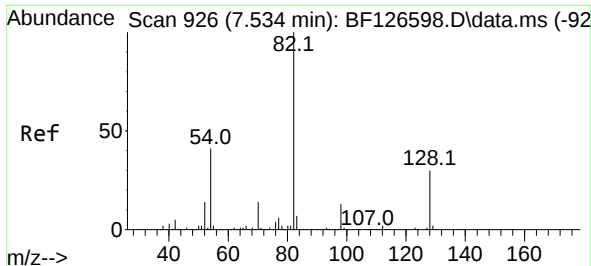
136 100

137 10.7 8.6 13.0

54 8.8 7.8 11.6

68 7.8 6.3 9.5

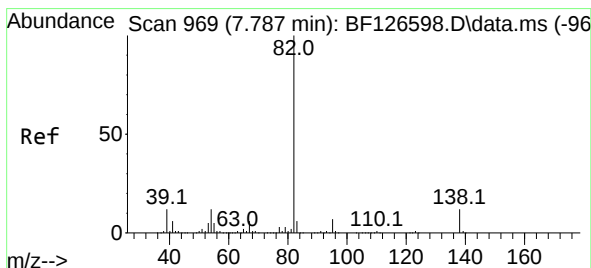
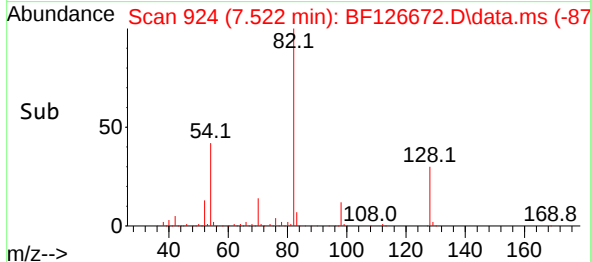
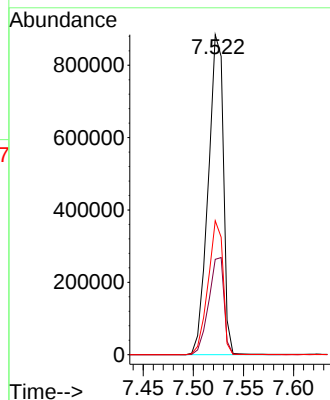
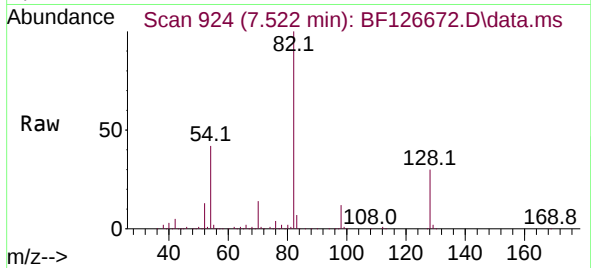




#23
Nitrobenzene-d5
Concen: 83.045 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

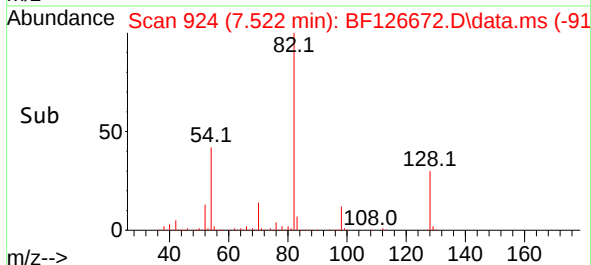
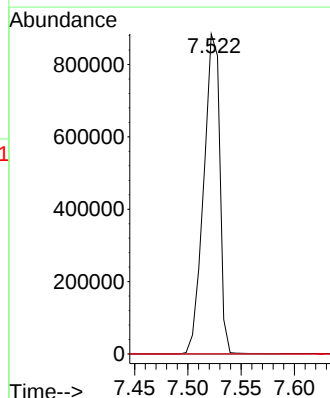
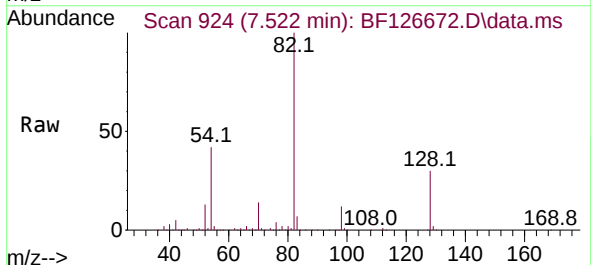
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

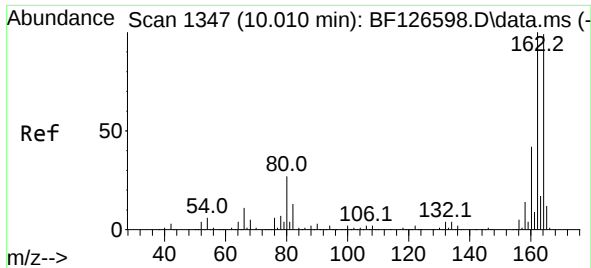
Tgt Ion: 82 Resp: 934112
Ion Ratio Lower Upper
82 100
128 29.8 32.7 49.1#
54 41.8 41.7 62.5



#25
Isophorone
Concen: 42.821 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion: 82 Resp: 934102
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

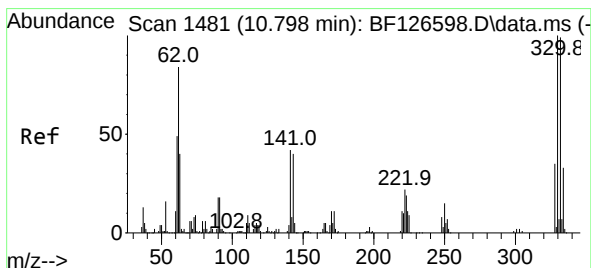
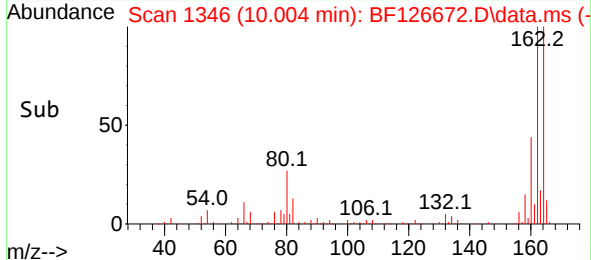
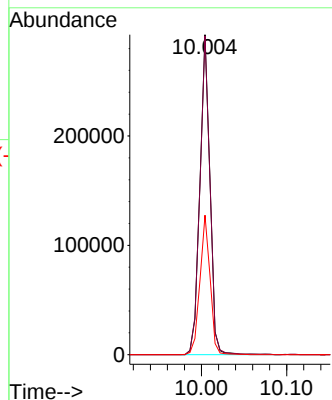
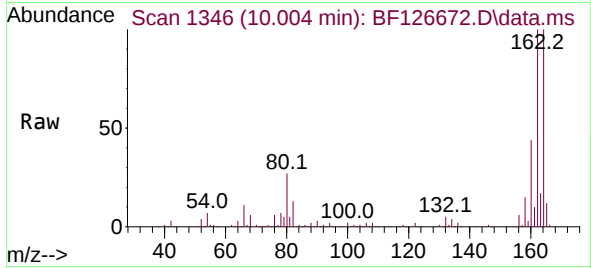




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

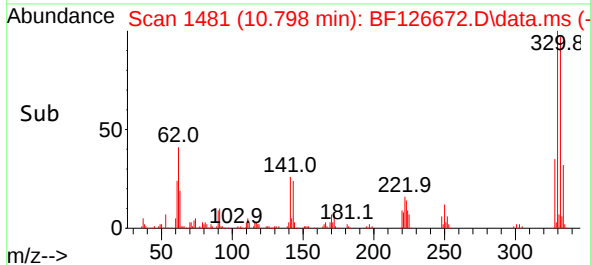
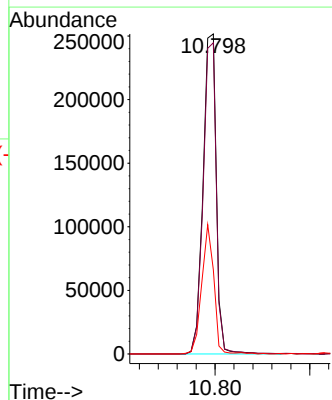
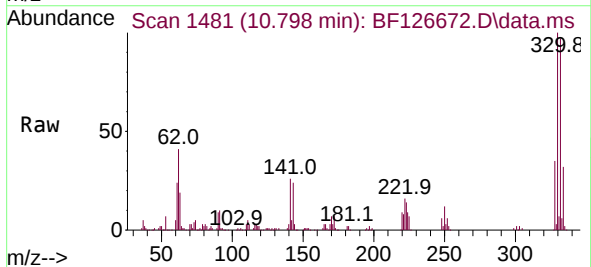
Instrument :
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ClientSampleId :
SB-5(3.5-4)

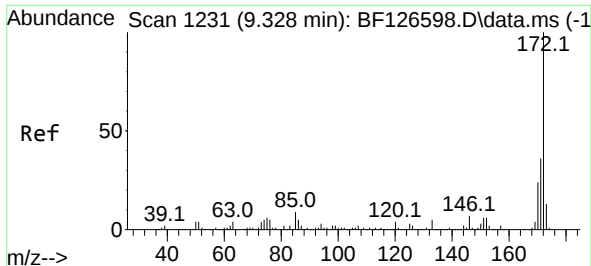
Tgt Ion:164 Resp: 240188
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 43.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 108.831 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:330 Resp: 244628
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 37.1 30.1 45.1

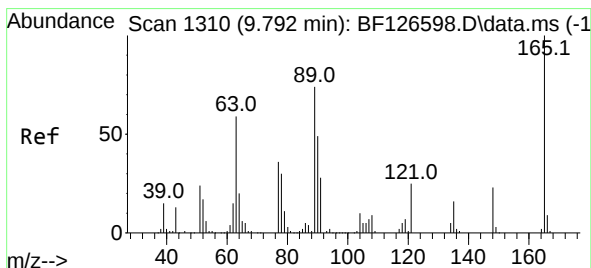
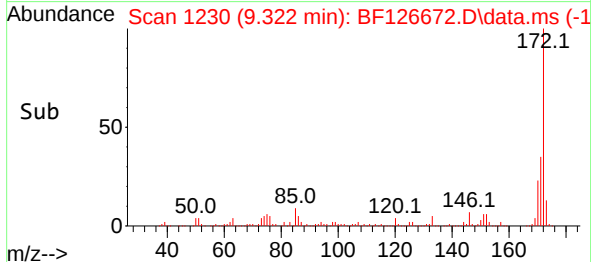
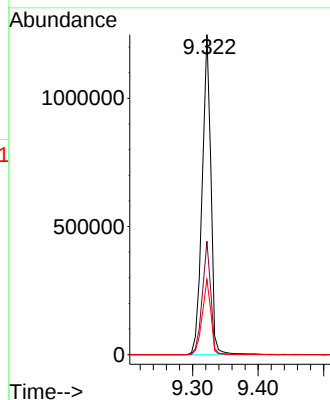
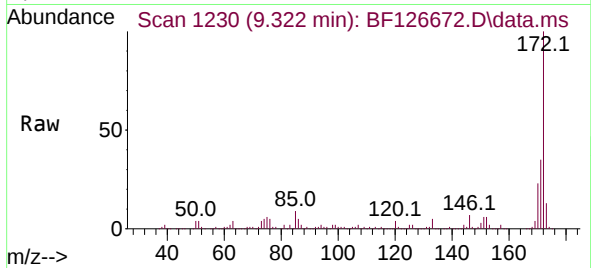




#45
2-Fluorobiphenyl
Concen: 74.052 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

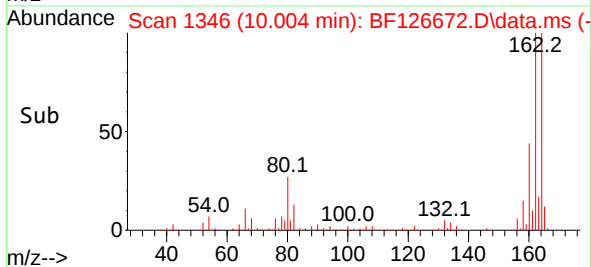
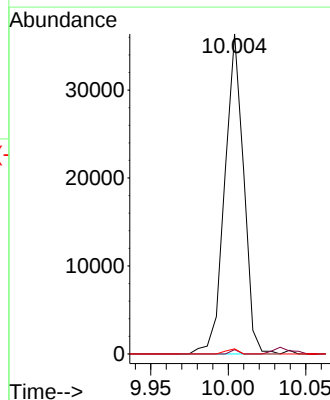
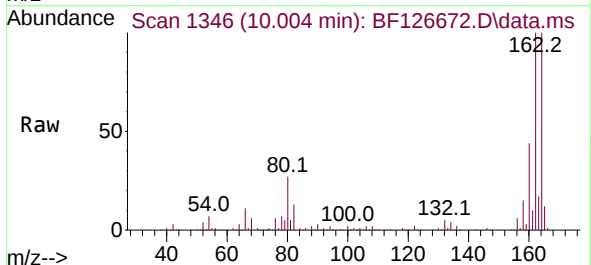
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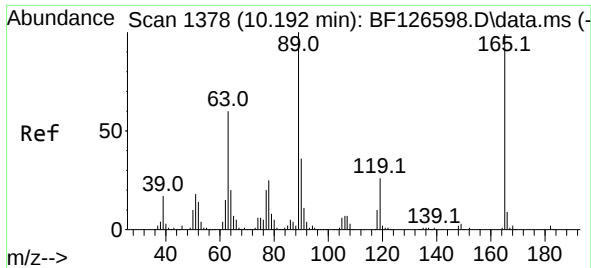
Tgt Ion:172 Resp: 1161368
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.472 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.212 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:165 Resp: 30826
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.6 50.5 75.7#

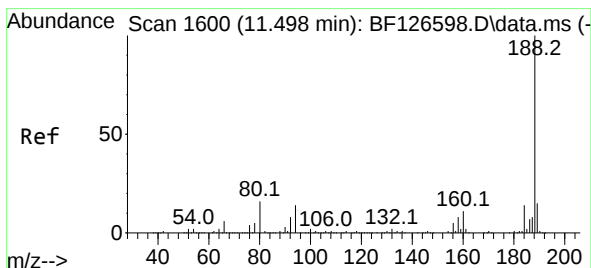
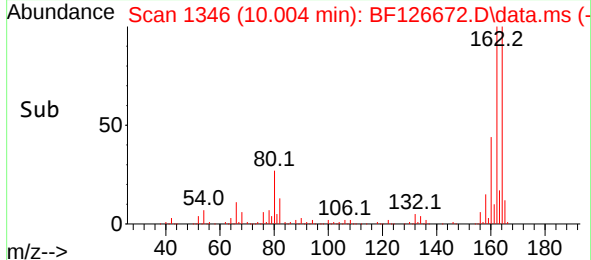
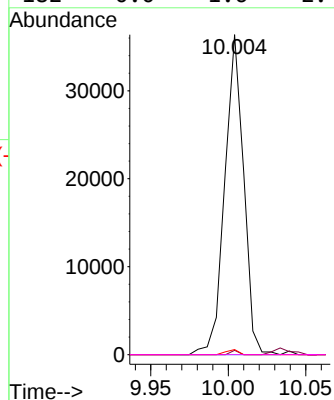
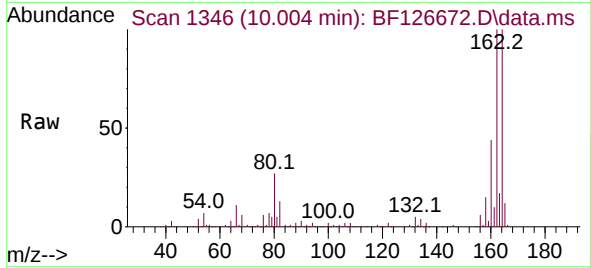




#57
2,4-Dinitrotoluene
Concen: 8.642 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

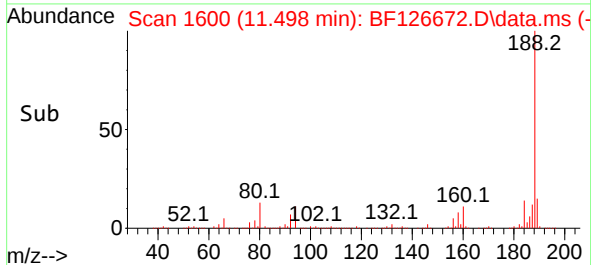
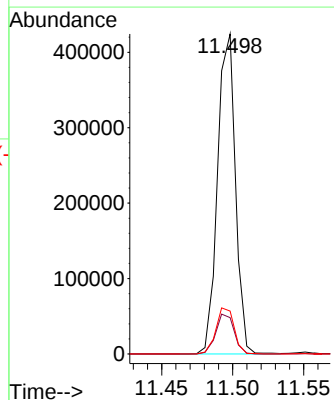
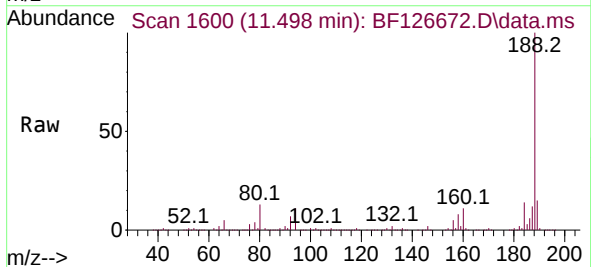
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

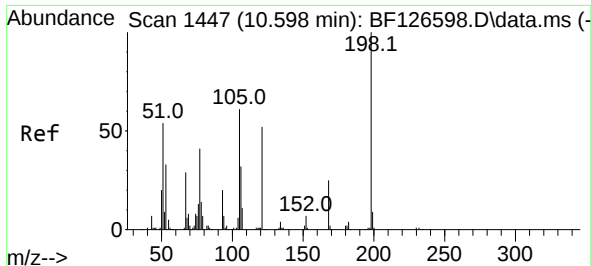
Tgt Ion:165 Resp: 30826
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.6 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:188 Resp: 371174
Ion Ratio Lower Upper
188 100
94 11.3 10.1 15.1
80 13.4 11.8 17.6

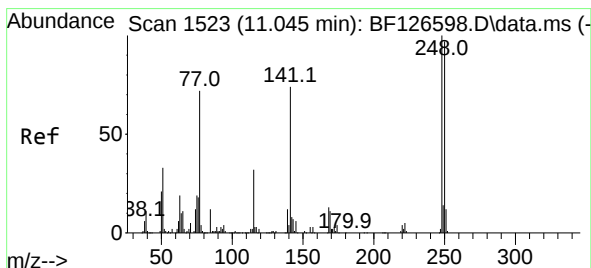
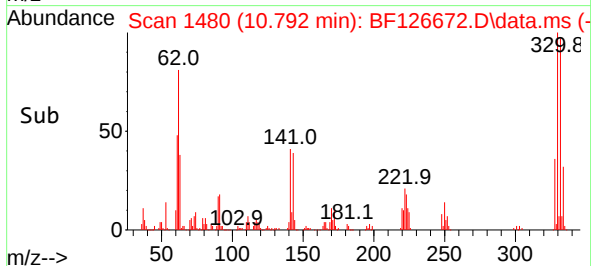
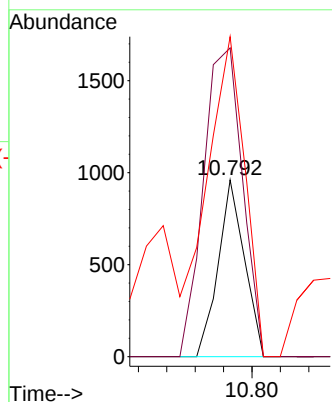
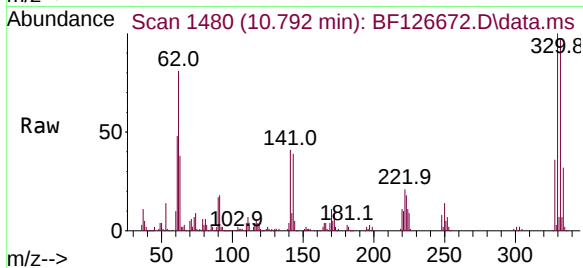




#65
4,6-Dinitro-2-methylphenol
Concen: 7.665 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

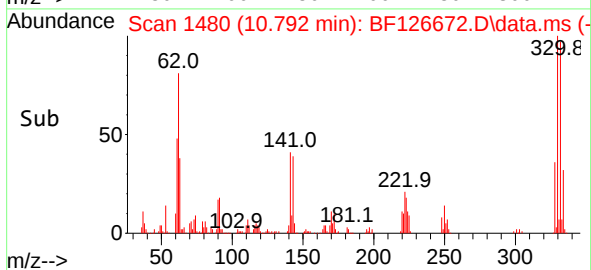
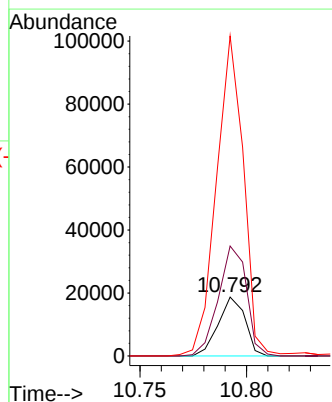
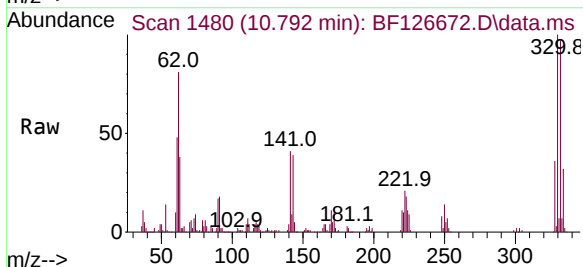
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

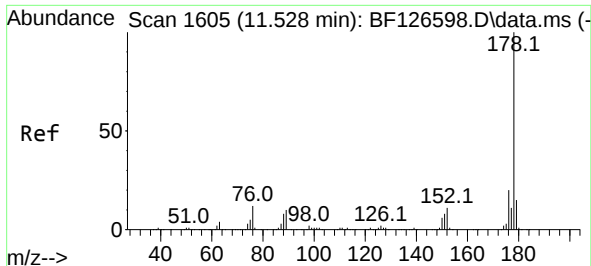
Tgt Ion	Ratio	Lower	Upper
198	100		
51	174.6	32.0	72.0#
105	181.0	32.7	72.7#



#67
4-Bromophenyl-phenylether
Concen: 3.843 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	186.7	76.2	114.4#
141	543.7	66.2	99.4#

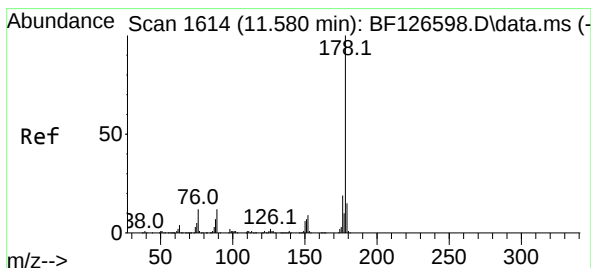
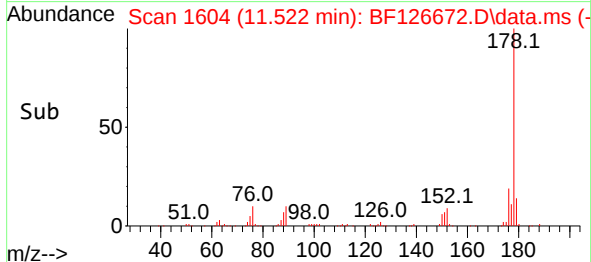
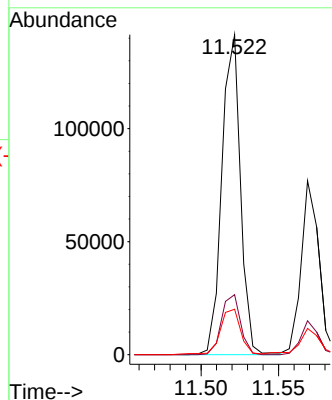
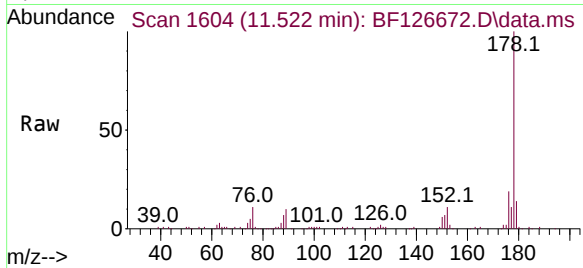




#71
Phenanthrene
Concen: 5.576 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

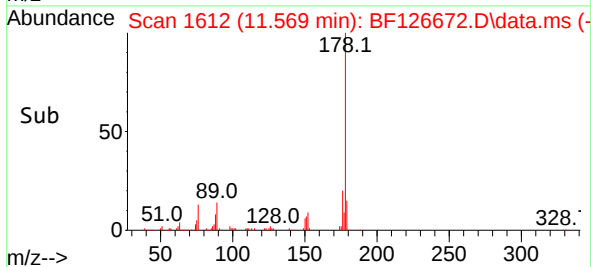
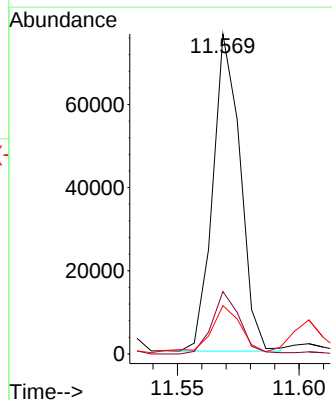
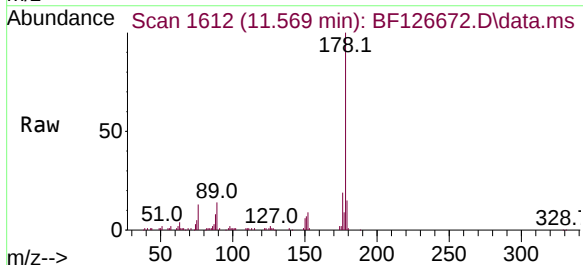
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

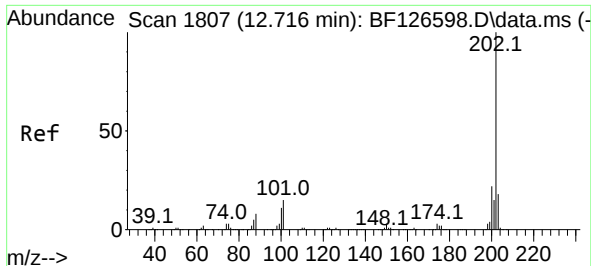
Tgt Ion:178 Resp: 118235
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 14.2 12.3 18.5



#72
Anthracene
Concen: 2.811 ng
RT: 11.569 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:178 Resp: 59814
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.6
179 15.1 12.5 18.7

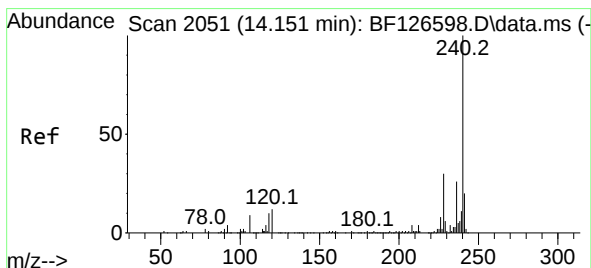
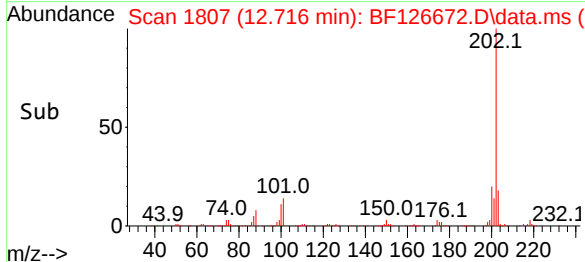
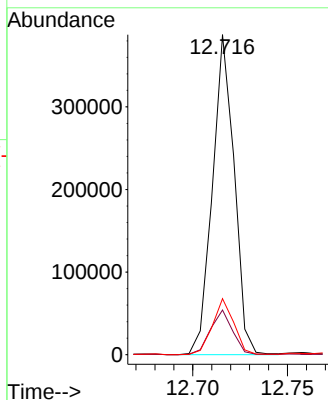
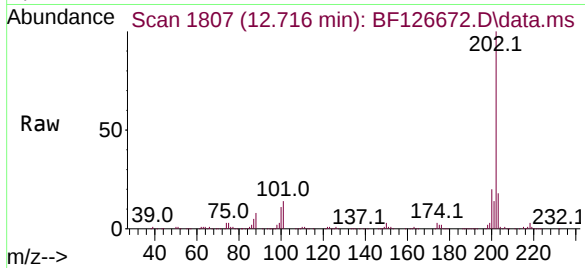




#75
Fluoranthene
Concen: 14.807 ng
RT: 12.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

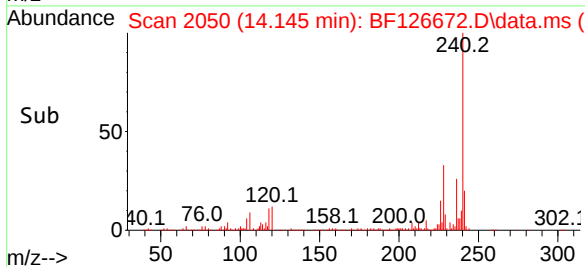
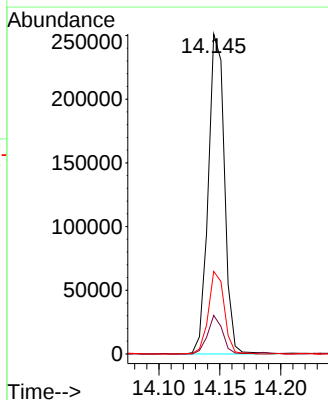
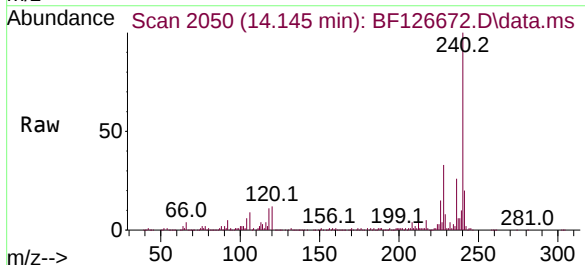
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

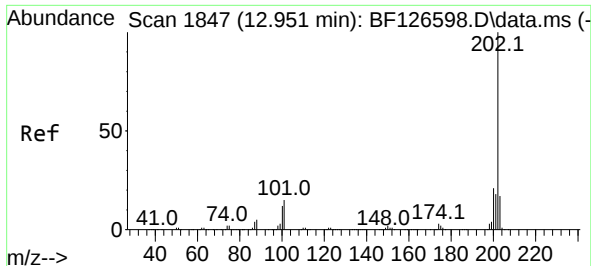
Tgt Ion:202 Resp: 310148
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.7
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:240 Resp: 231882
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6#
236 25.8 20.5 30.7

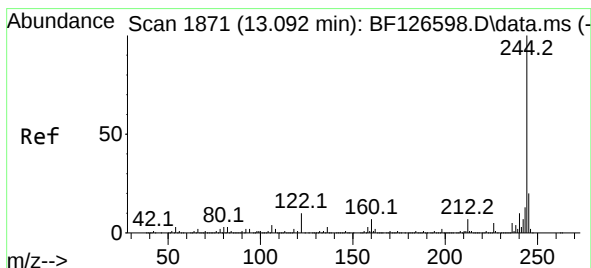
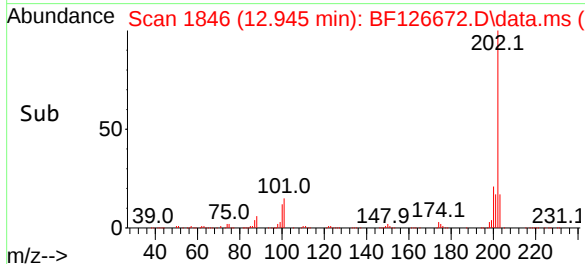
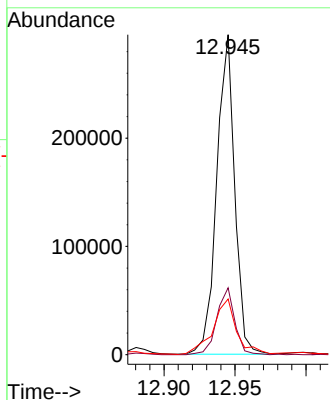
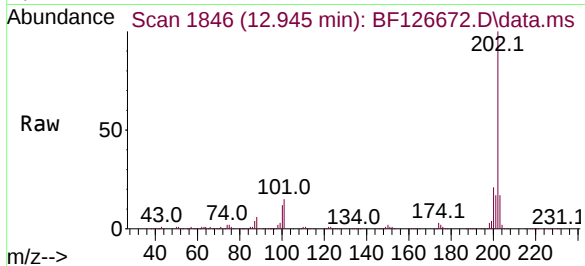




#78
Pyrene
Concen: 13.820 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

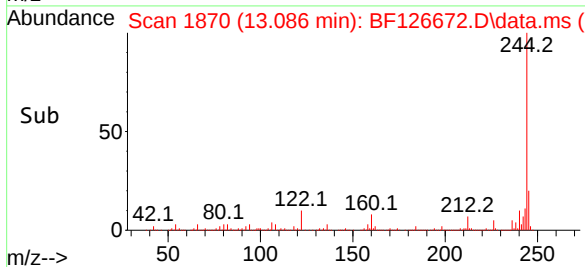
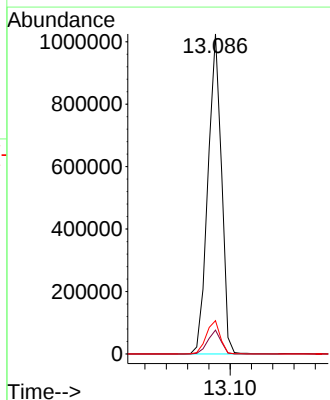
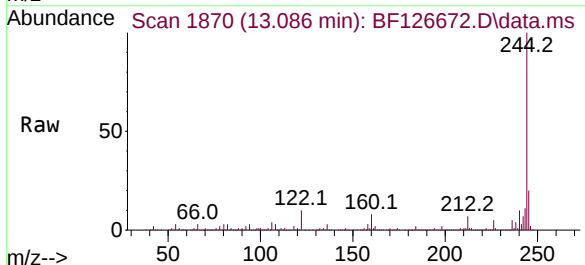
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

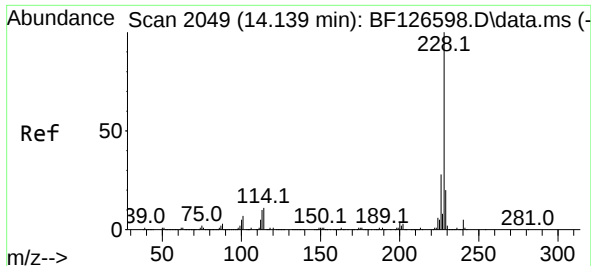
Tgt Ion:202 Resp: 259146
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.4 13.8 20.8



#79
Terphenyl-d14
Concen: 65.490 ng
RT: 13.086 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:244 Resp: 905402
Ion Ratio Lower Upper
244 100
212 7.5 5.0 7.4#
122 10.4 13.3 19.9#

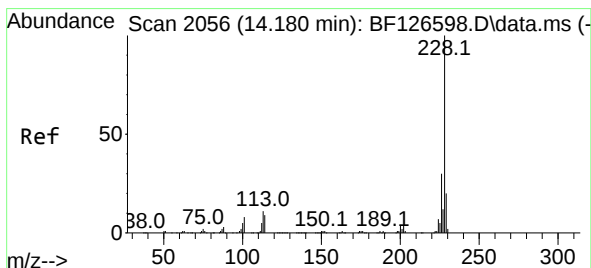
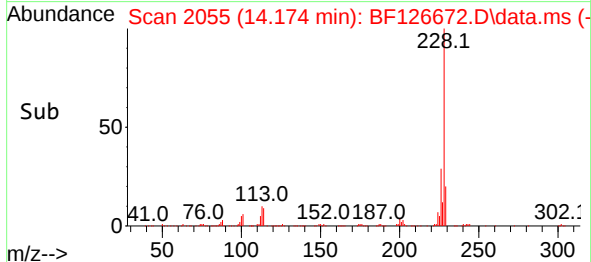
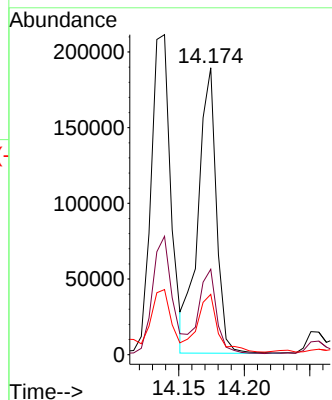
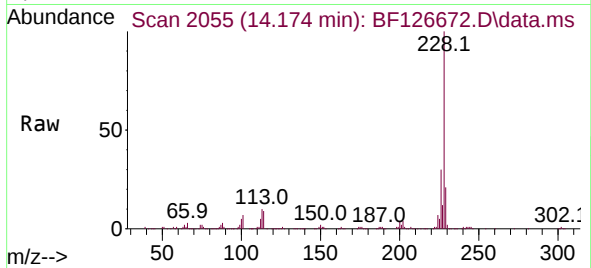




#81
Benzo(a)anthracene
Concen: 11.664 ng
RT: 14.174 min Scan# 2055
Delta R.T. 0.035 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

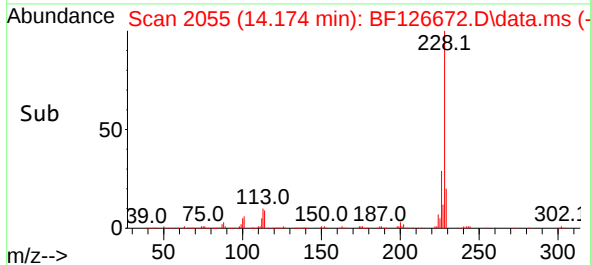
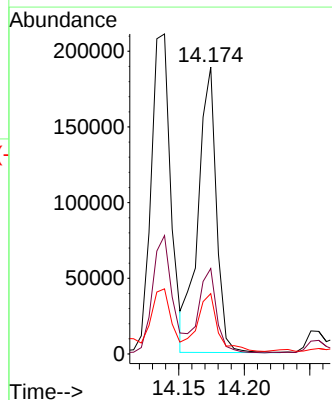
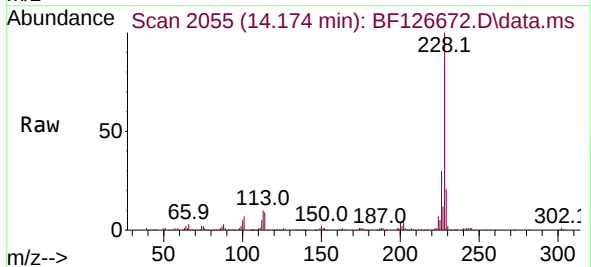
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

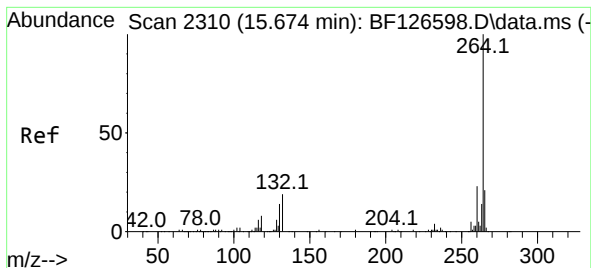
Tgt Ion:228 Resp: 183835
Ion Ratio Lower Upper
228 100
226 29.8 21.4 32.0
229 21.0 15.4 23.2



#83
Chrysene
Concen: 12.122 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:228 Resp: 183835
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126672.D

Acq: 25 Jan 2022 19:10

Instrument :

BNA_F

ClientSampleId :

SB-5(3.5-4)

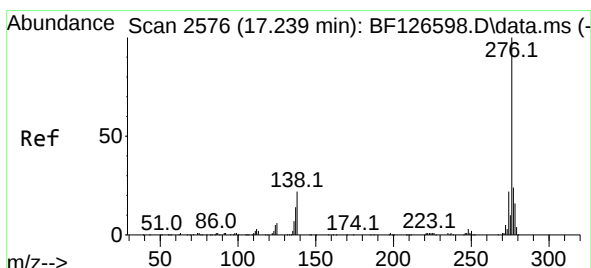
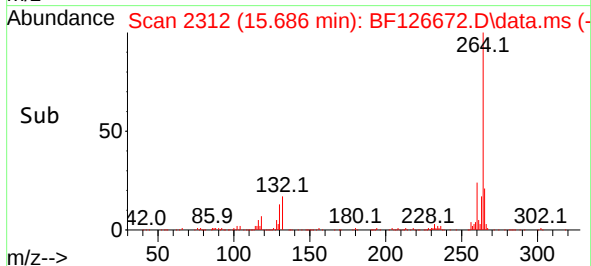
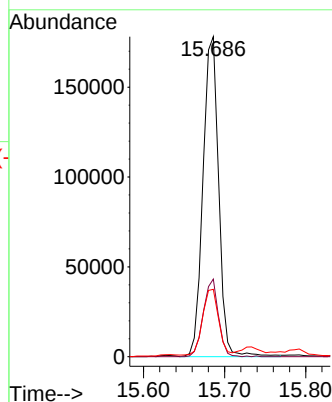
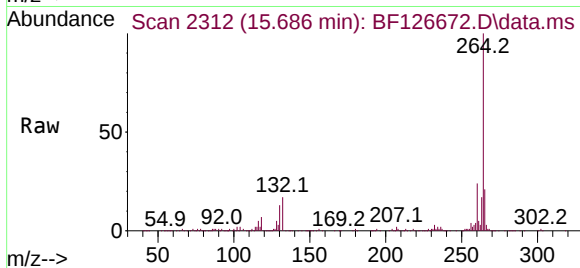
Tgt Ion:264 Resp: 239808

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.215 ng

RT: 17.239 min Scan# 2576

Delta R.T. -0.000 min

Lab File: BF126672.D

Acq: 25 Jan 2022 19:10

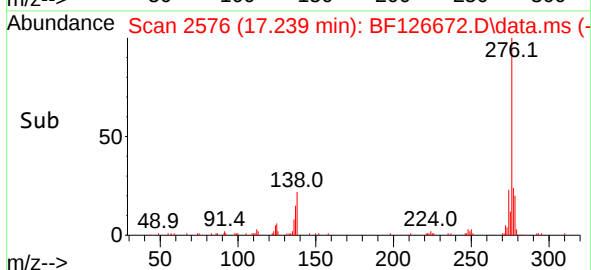
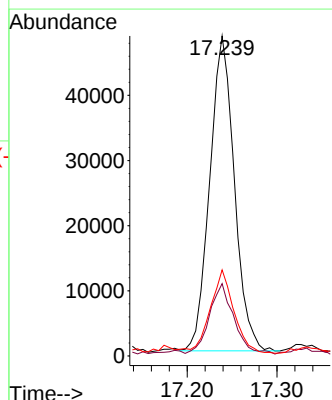
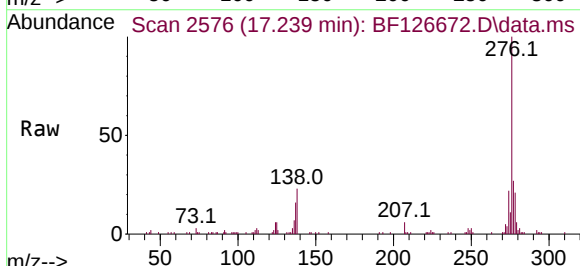
Tgt Ion:276 Resp: 92086

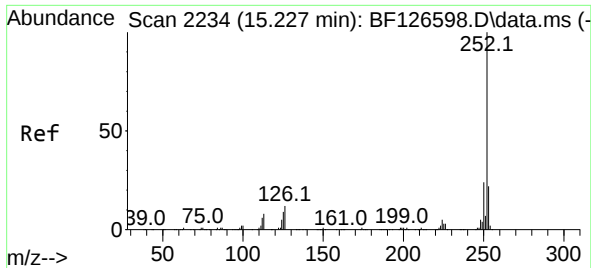
Ion Ratio Lower Upper

276 100

138 22.3 29.2 43.8#

277 25.1 19.8 29.8

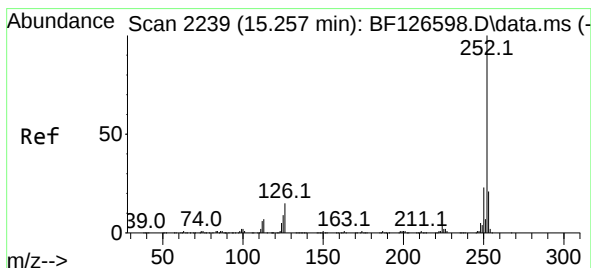
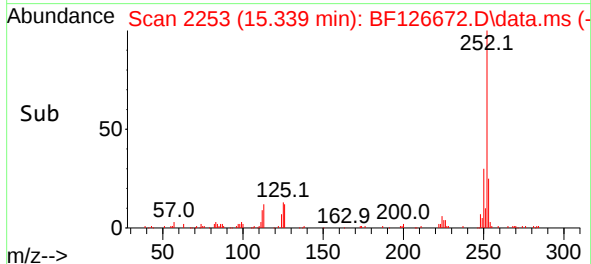
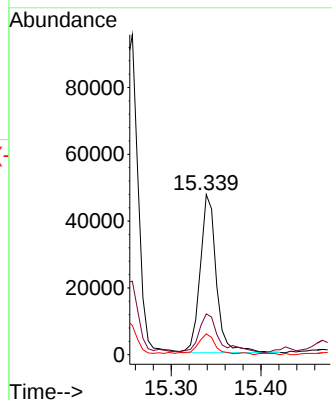
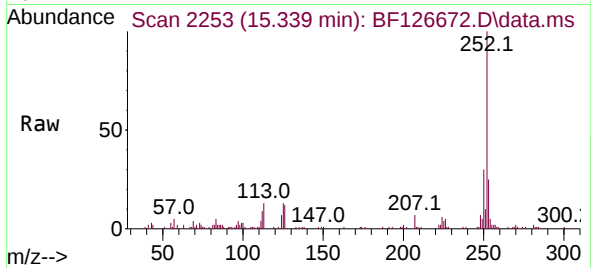




#88
Benzo(b)fluoranthene
Concen: 3.719 ng
RT: 15.339 min Scan# 21
Delta R.T. 0.112 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

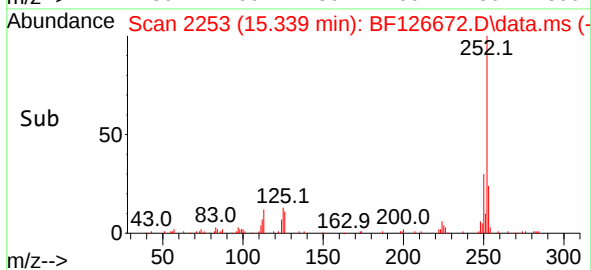
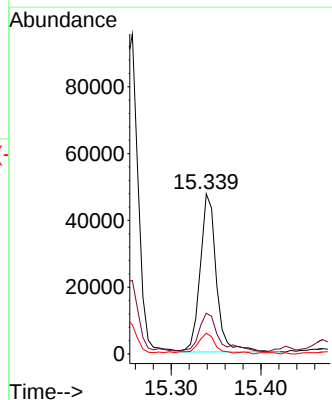
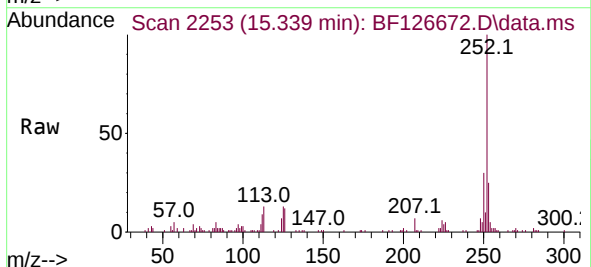
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

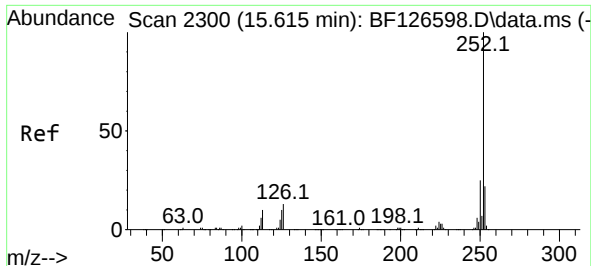
Tgt Ion:252 Resp: 59143
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 12.9 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 3.788 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.082 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

Tgt Ion:252 Resp: 59143
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 12.9 11.8 17.6

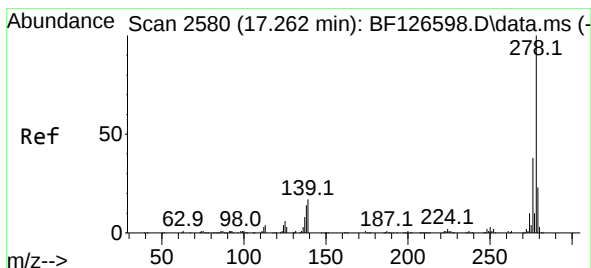
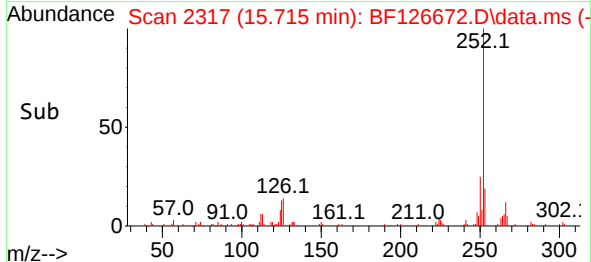
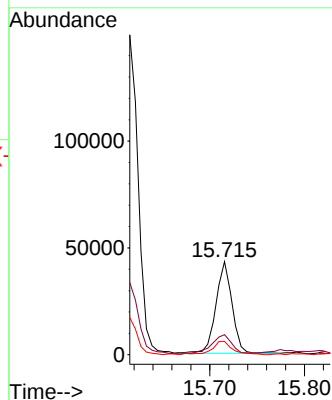
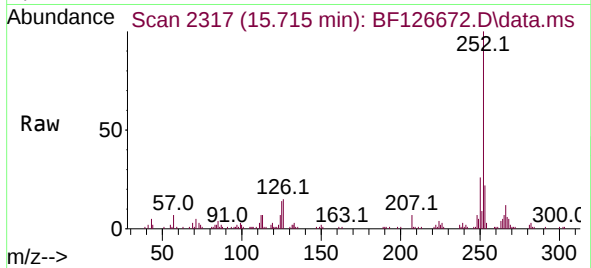




#90
Benzo(a)pyrene
Concen: 3.904 ng
RT: 15.715 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

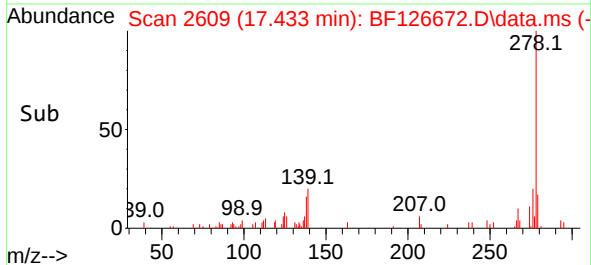
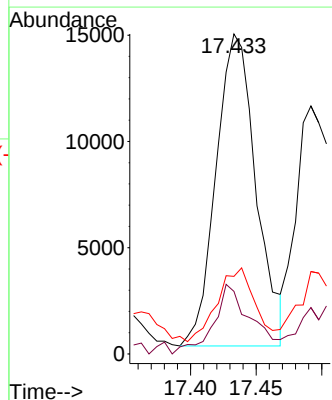
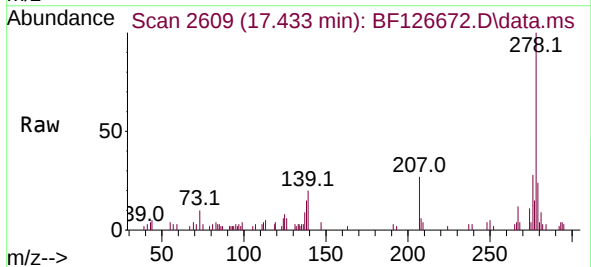
Instrument :
BNA_F
ClientSampleId :
SB-5(3.5-4)

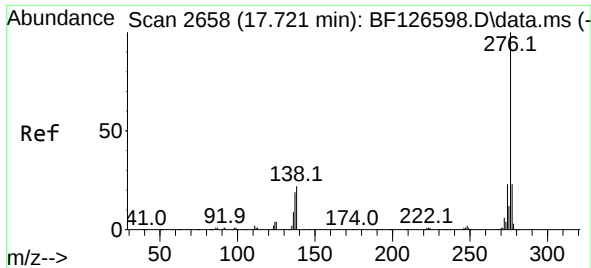
Tgt Ion:252 Resp: 50508
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 14.3 13.0 19.6



#91
Dibenzo(a,h)anthracene
Concen: 2.537 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.171 min
Lab File: BF126672.D
Acq: 25 Jan 2022 19:10

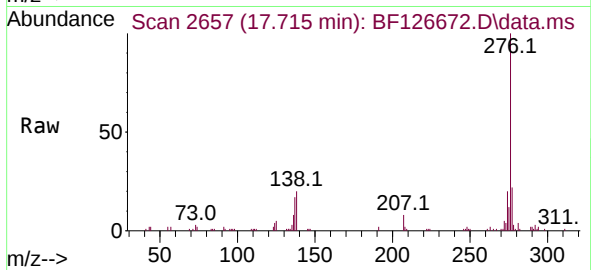
Tgt Ion:278 Resp: 31138
Ion Ratio Lower Upper
278 100
139 19.5 18.0 27.0
279 24.2 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.168 ng
 RT: 17.715 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF126672.D
 Acq: 25 Jan 2022 19:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(3.5-4)



Tgt Ion: 276 Resp: 74237
 Ion Ratio Lower Upper
 276 100
 277 21.7 18.5 27.7
 138 20.2 25.9 38.9#

