

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126671.D
 Acq On : 25 Jan 2022 18:43
 Operator : CG/JU
 Sample : N1245-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(2.5-3)

Quant Time: Jan 26 00:22:31 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)

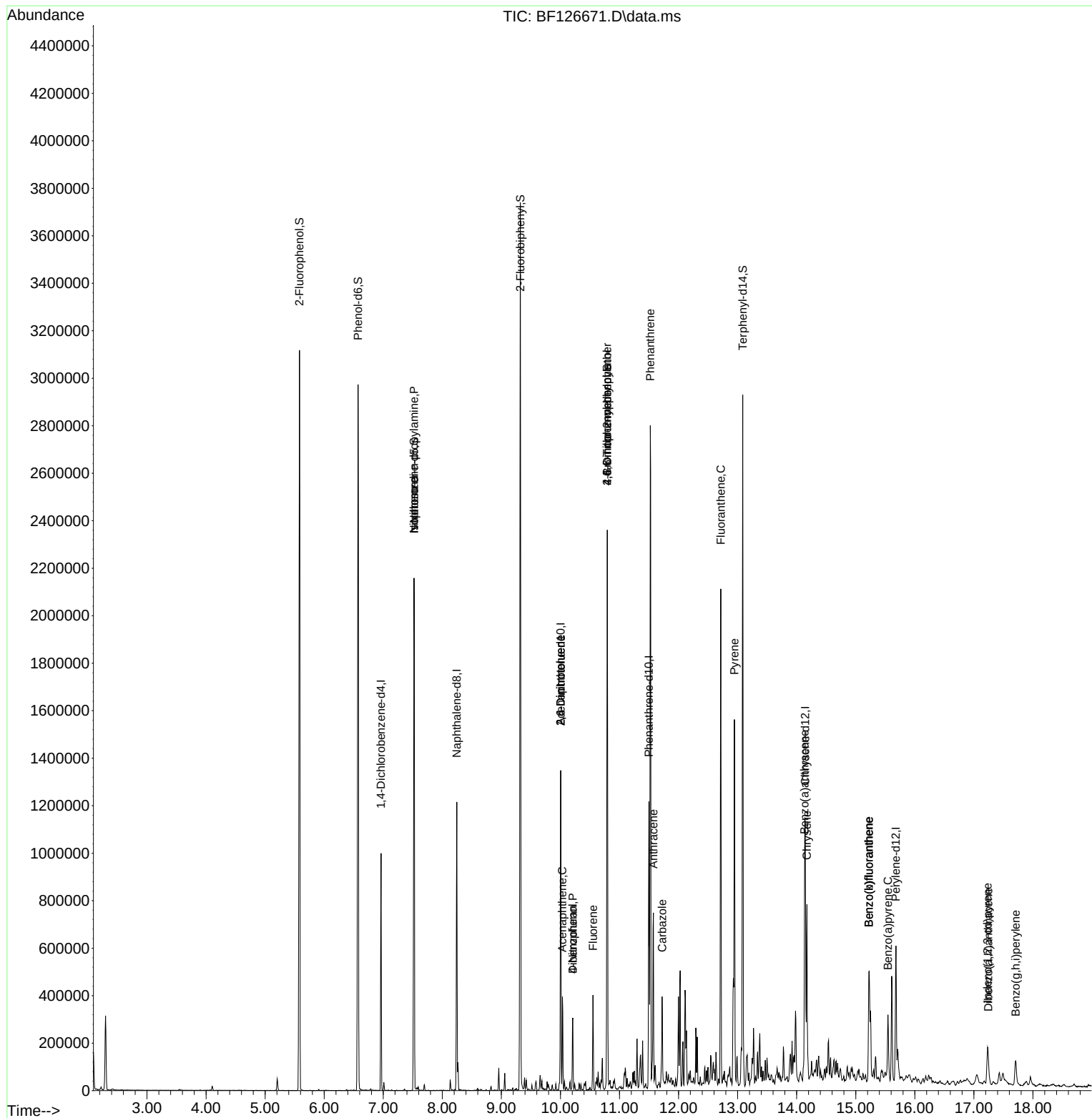
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	118930	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	449162	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	244289	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	387777	20.000	ng	0.00
76) Chrysene-d12	14.145	240	235274	20.000	ng	# 0.00
86) Perylene-d12	15.680	264	245925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	846334	93.643	ng	0.00
7) Phenol-d6	6.575	99	1154667	91.953	ng	0.00
23) Nitrobenzene-d5	7.522	82	847178	73.825	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	212821	93.091	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1052819	66.003	ng	0.00
79) Terphenyl-d14	13.086	244	861666	61.428	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	334	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.522	70	117834	12.857	ng	# 70
25) Isophorone	7.522	82	847167	38.067	ng	# 69
51) 2,6-Dinitrotoluene	10.004	165	33290	11.119	ng	# 22
52) Acenaphthene	10.033	154	72612	5.236	ng	95
55) Dibenzofuran	10.210	168	109974	5.277	ng	98
56) 4-Nitrophenol	10.210	139	42969	15.764	ng	# 7
57) 2,4-Dinitrotoluene	10.004	165	33290	9.176	ng	# 16
58) Fluorene	10.551	166	90681	5.764	ng	97
65) 4,6-Dinitro-2-methylph...	10.792	198	497	7.599	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	14605	3.268	ng	# 1
71) Phenanthrene	11.522	178	1016740	45.894	ng	100
72) Anthracene	11.575	178	260829	11.734	ng	99
73) Carbazole	11.722	167	125388	6.008	ng	99
75) Fluoranthene	12.716	202	734051	33.545	ng	97
78) Pyrene	12.945	202	575360	30.240	ng	99
81) Benzo(a)anthracene	14.133	228	302961	18.945	ng	97
83) Chrysene	14.174	228	262269	17.045	ng	96
87) Indeno(1,2,3-cd)pyrene	17.233	276	103526	6.813	ng	# 85
88) Benzo(b)fluoranthene	15.221	252	371739	22.794	ng	# 95
89) Benzo(k)fluoranthene	15.221	252	371739	23.216	ng	# 95
90) Benzo(a)pyrene	15.545	252	122321	9.218	ng	96
91) Dibenzo(a,h)anthracene	17.245	278	33349	2.649	ng	# 88
92) Benzo(g,h,i)perylene	17.709	276	87014	7.050	ng	# 84

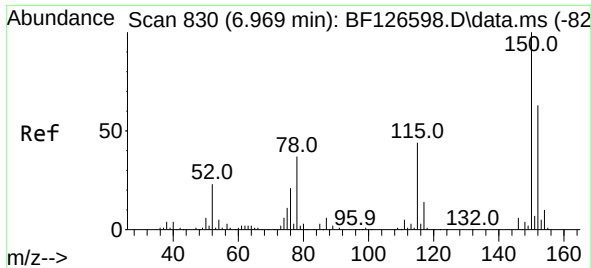
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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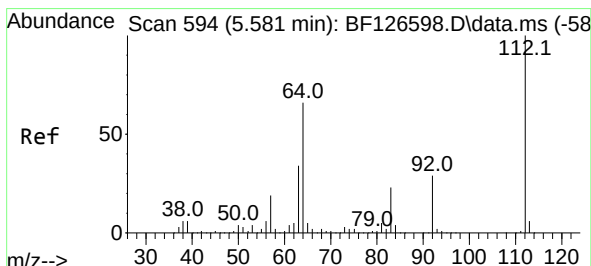
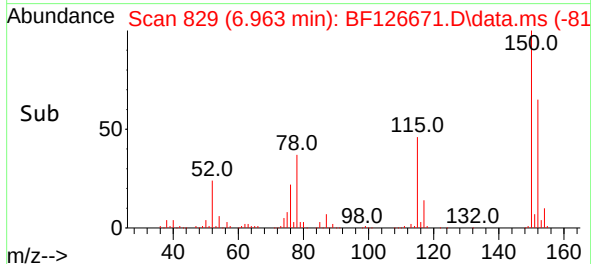
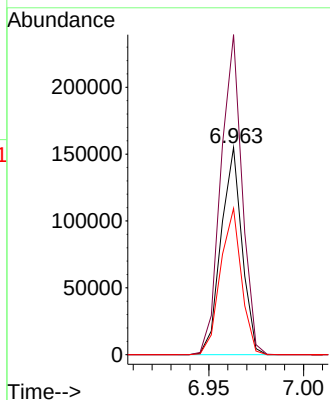
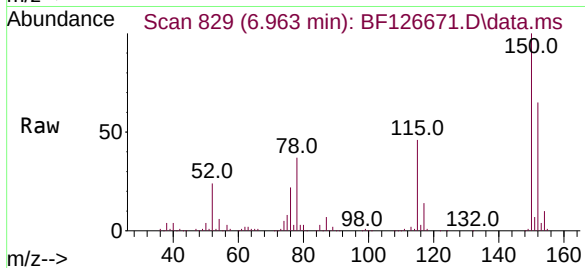




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

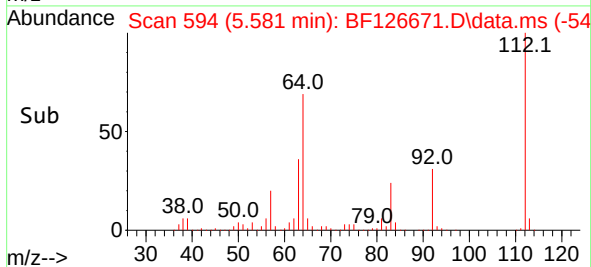
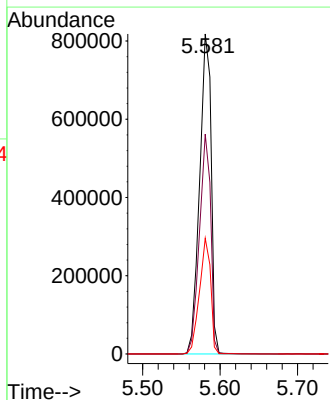
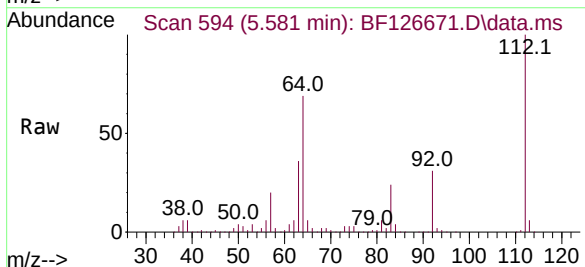
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

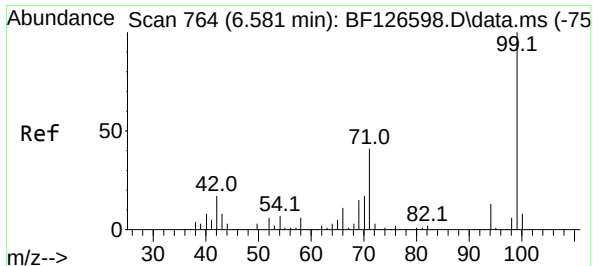
Tgt Ion:152 Resp: 118930
Ion Ratio Lower Upper
152 100
150 154.5 128.1 192.1
115 70.6 56.7 85.1



#5
2-Fluorophenol
Concen: 93.643 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:112 Resp: 846334
Ion Ratio Lower Upper
112 100
64 68.7 49.5 74.3
63 36.2 23.9 35.9#

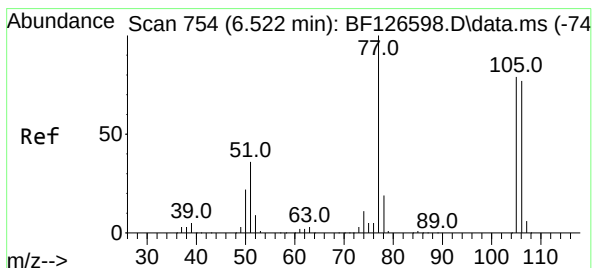
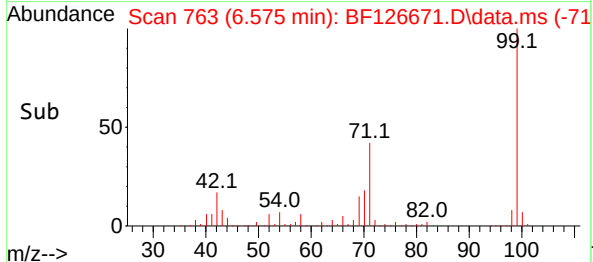
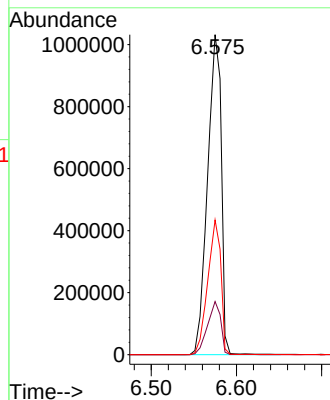
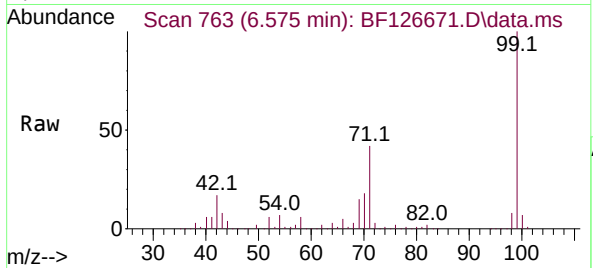




#7
Phenol-d6
Concen: 91.953 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

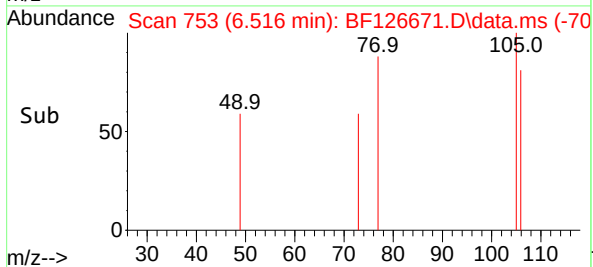
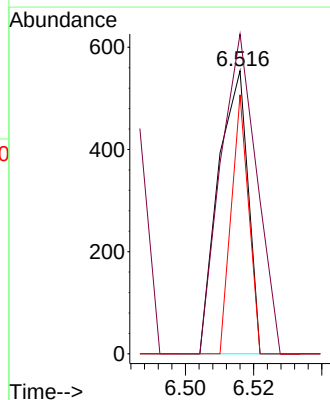
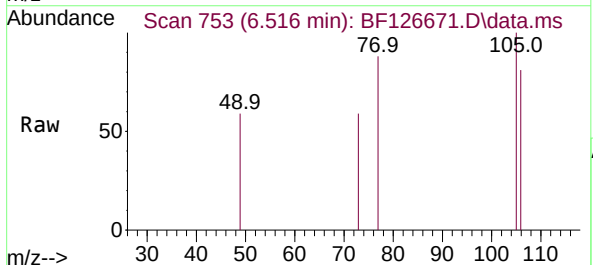
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

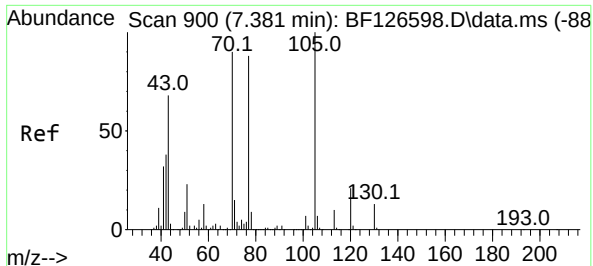
Tgt Ion: 99 Resp: 1154667
Ion Ratio Lower Upper
99 100
42 16.6 14.2 21.4
71 42.1 24.3 36.5#



#9
Benzaldehyde
Concen: Below Cal
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion: 77 Resp: 334
Ion Ratio Lower Upper
77 100
105 113.0 74.9 114.9
106 91.5 72.4 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 12.857 ng

RT: 7.522 min Scan# 91

Delta R.T. 0.141 min

Lab File: BF126671.D

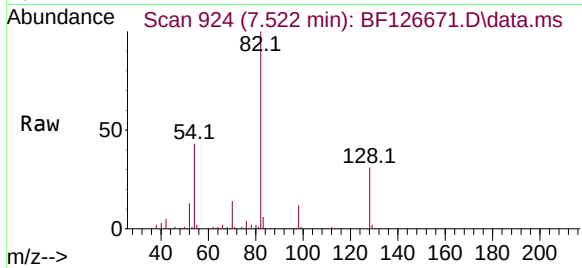
Acq: 25 Jan 2022 18:43

Instrument :

BNA_F

ClientSampleId :

SB-2(2.5-3)



Tgt Ion: 70 Resp: 117834

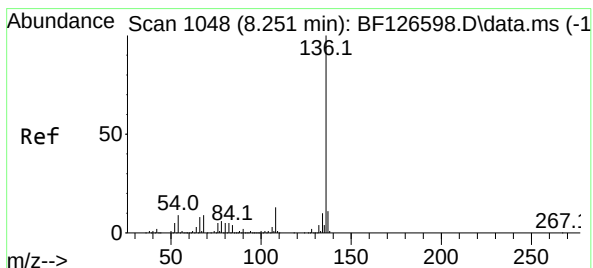
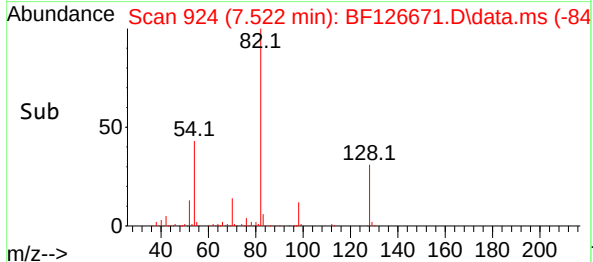
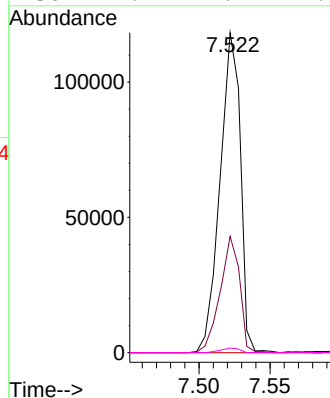
Ion Ratio Lower Upper

70 100

42 36.4 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: BF126671.D

Acq: 25 Jan 2022 18:43

Tgt Ion: 136 Resp: 449162

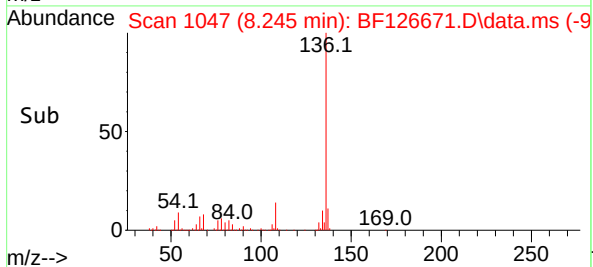
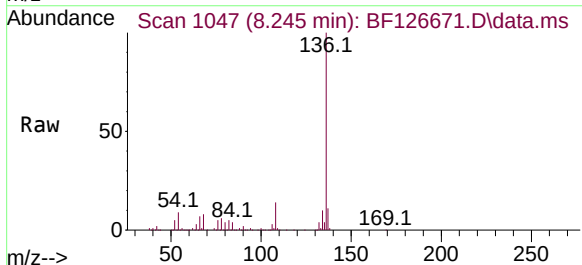
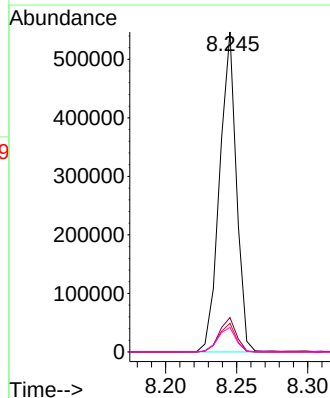
Ion Ratio Lower Upper

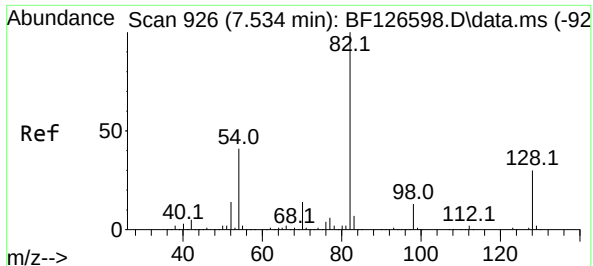
136 100

137 10.8 8.6 13.0

54 8.9 7.8 11.6

68 7.6 6.3 9.5

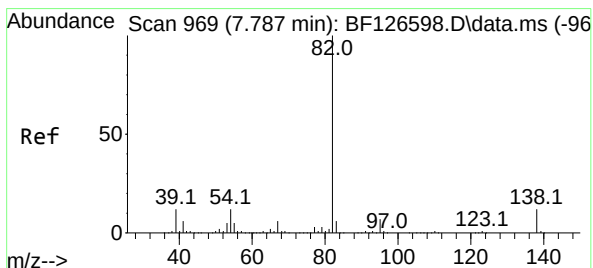
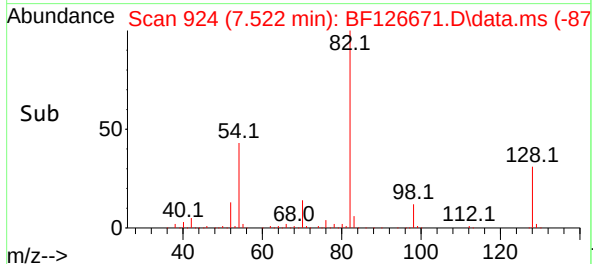
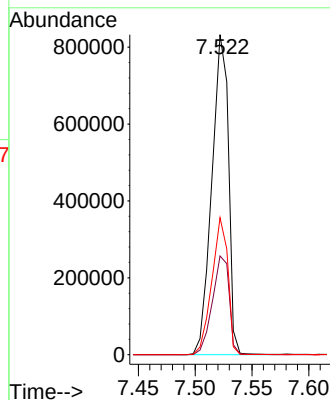
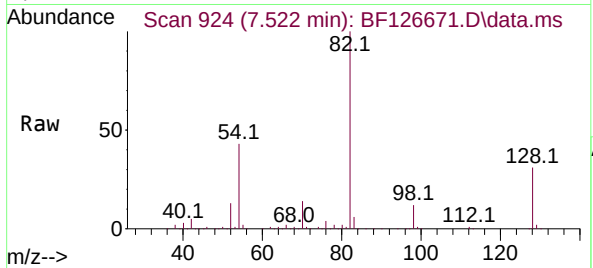




#23
Nitrobenzene-d5
Concen: 73.825 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

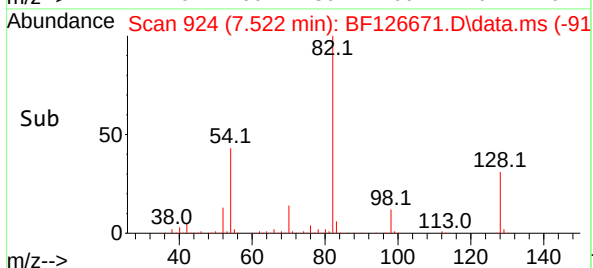
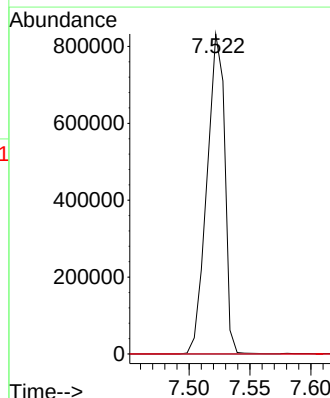
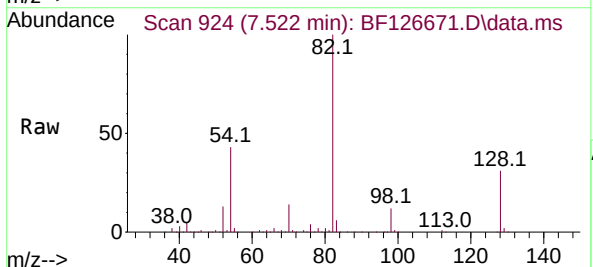
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

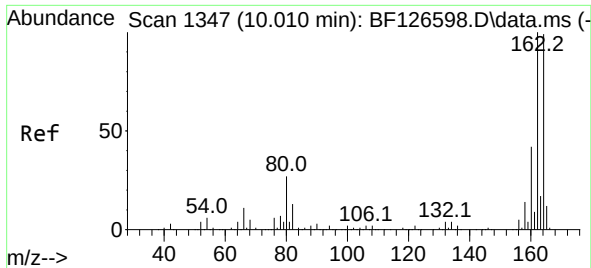
Tgt Ion: 82 Resp: 847178
Ion Ratio Lower Upper
82 100
128 30.9 32.7 49.1#
54 42.8 41.7 62.5



#25
Isophorone
Concen: 38.067 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.265 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion: 82 Resp: 847167
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

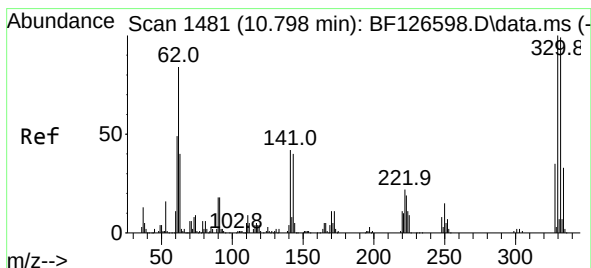
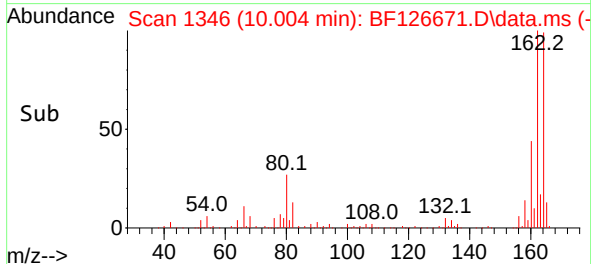
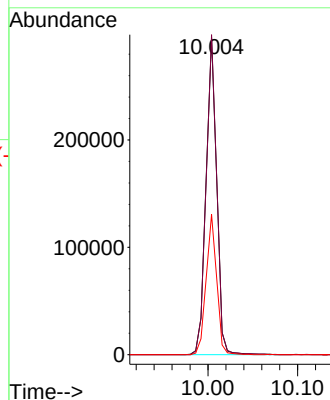
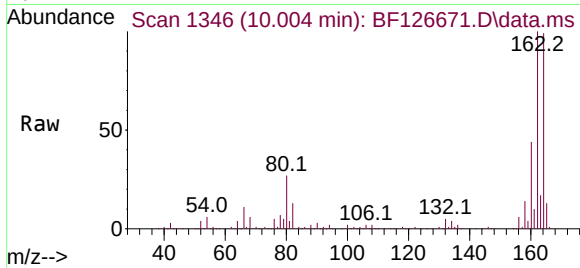




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

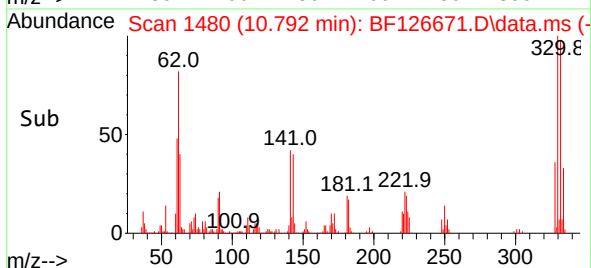
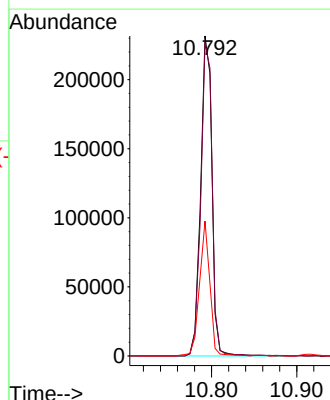
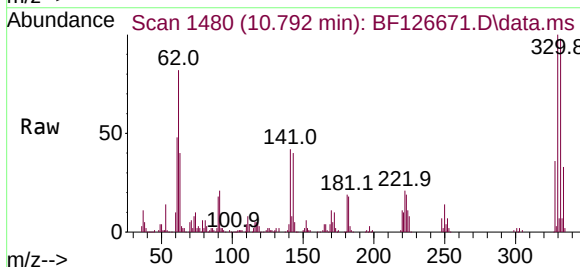
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

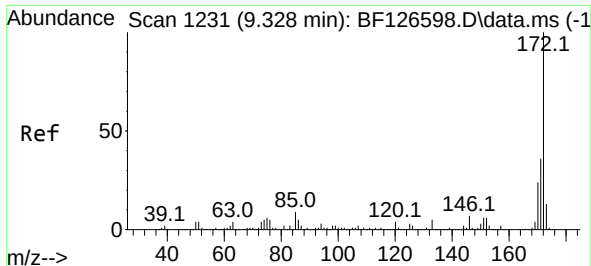
Tgt Ion:164 Resp: 244289
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 44.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 93.091 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:330 Resp: 212821
Ion Ratio Lower Upper
330 100
332 98.4 76.0 114.0
141 38.8 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 66.003 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126671.D

Acq: 25 Jan 2022 18:43

Instrument :

BNA_F

ClientSampleId :

SB-2(2.5-3)

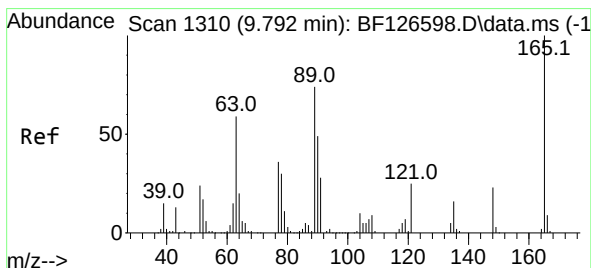
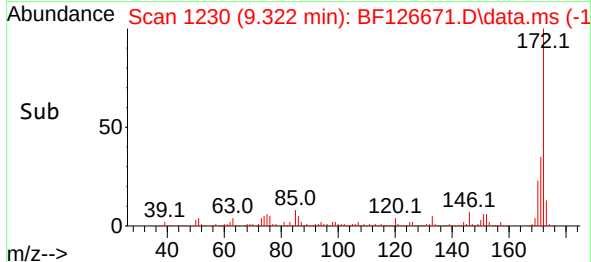
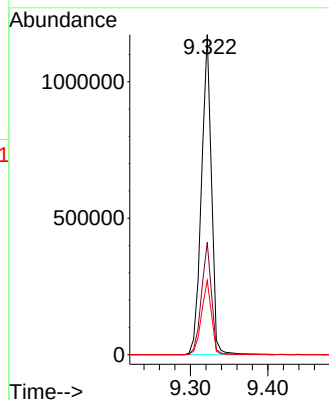
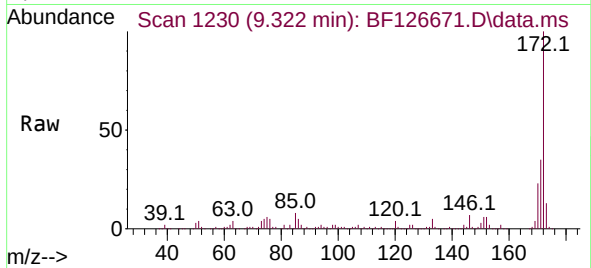
Tgt Ion:172 Resp: 1052819

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.2 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 11.119 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF126671.D

Acq: 25 Jan 2022 18:43

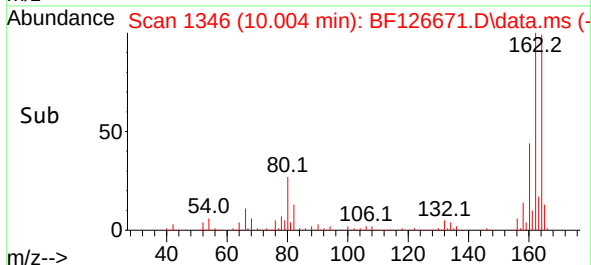
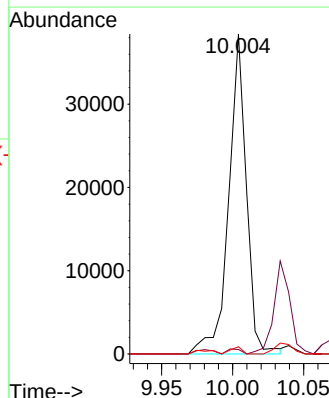
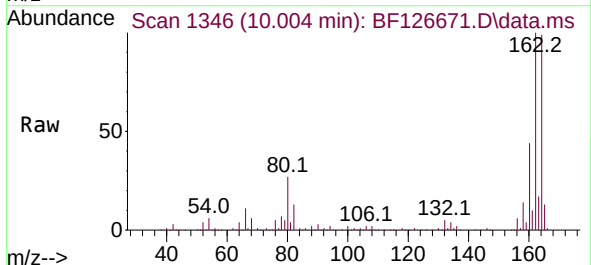
Tgt Ion:165 Resp: 33290

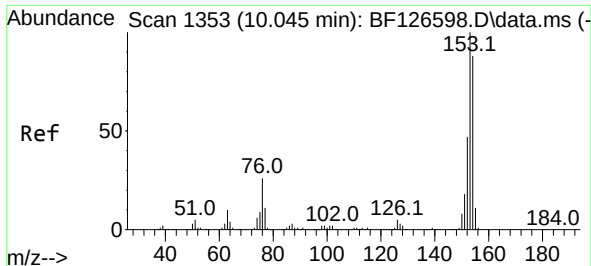
Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 2.2 50.5 75.7#

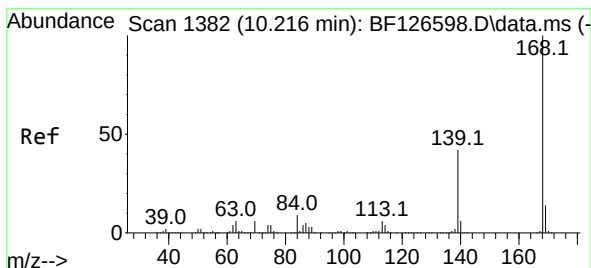
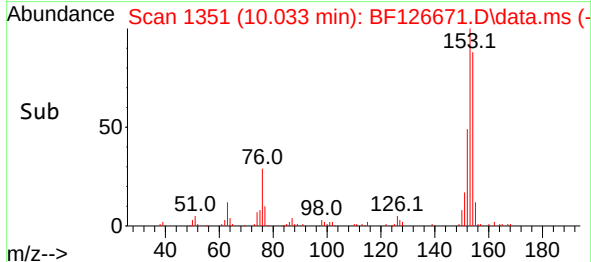
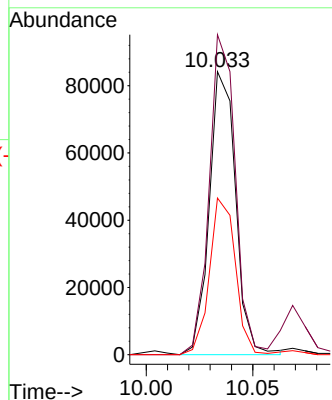
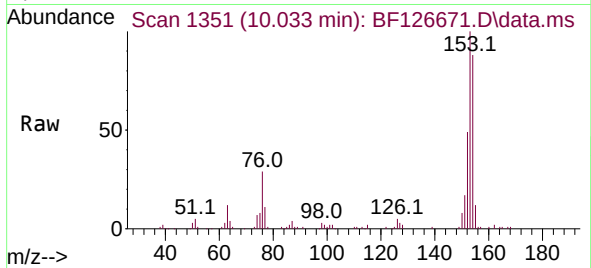




#52
Acenaphthene
Concen: 5.236 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

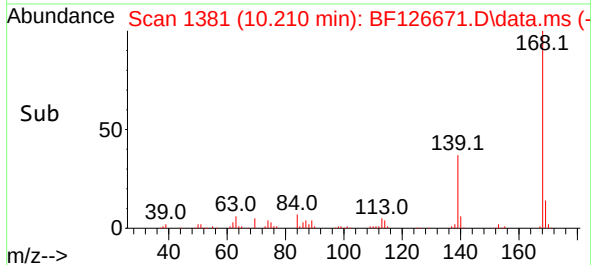
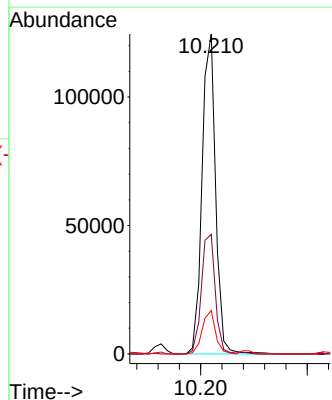
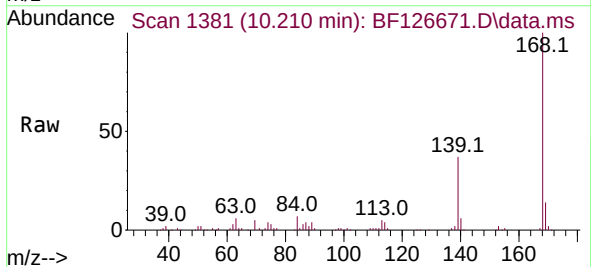
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

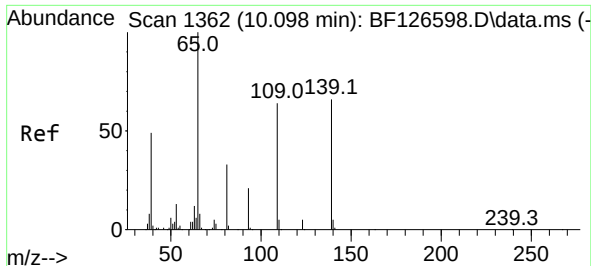
Tgt Ion:154 Resp: 72612
Ion Ratio Lower Upper
154 100
153 113.0 87.8 131.6
152 55.3 39.4 59.2



#55
Dibenzofuran
Concen: 5.277 ng
RT: 10.210 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:168 Resp: 109974
Ion Ratio Lower Upper
168 100
139 37.3 30.6 46.0
169 13.6 10.0 15.0

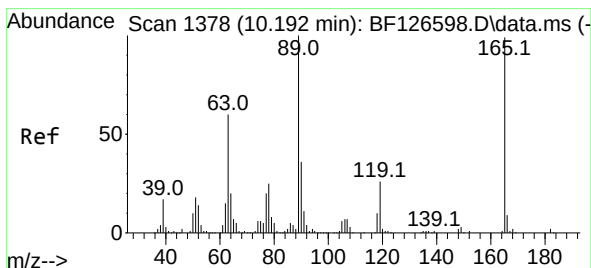
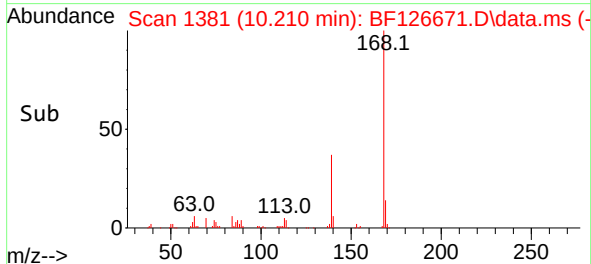
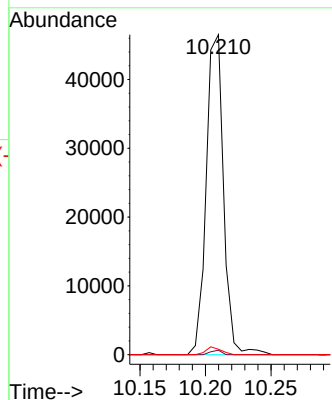
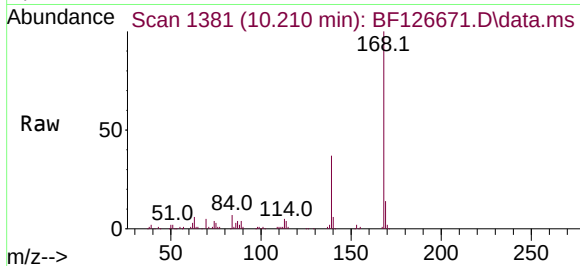




#56
4-Nitrophenol
Concen: 15.764 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.112 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

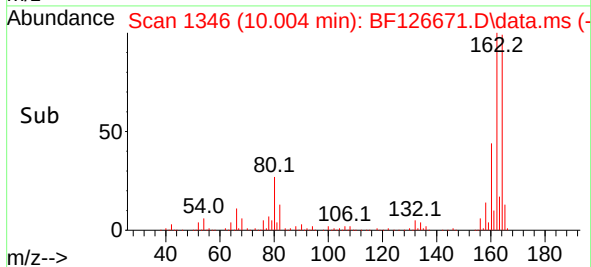
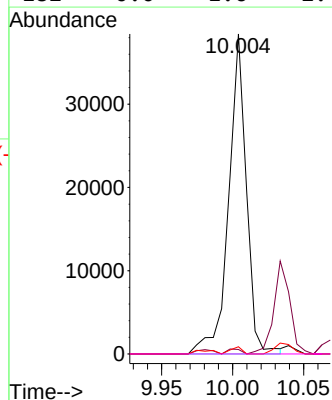
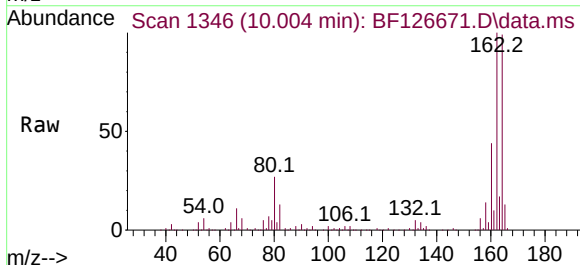
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

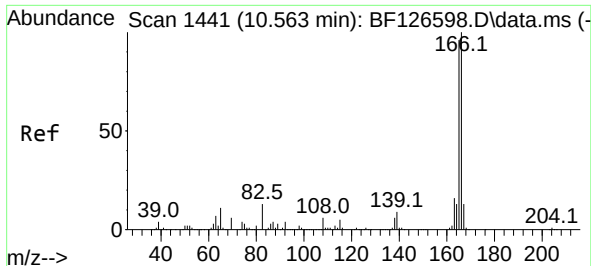
Tgt Ion:139 Resp: 42969
Ion Ratio Lower Upper
139 100
109 1.4 44.1 84.1#
65 1.7 85.5 125.5#



#57
2,4-Dinitrotoluene
Concen: 9.176 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.188 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:165 Resp: 33290
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 2.2 71.0 106.4#
182 0.0 1.6 2.4#

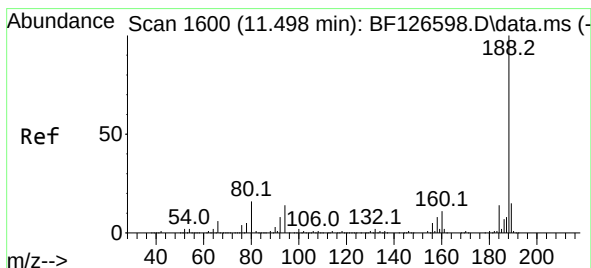
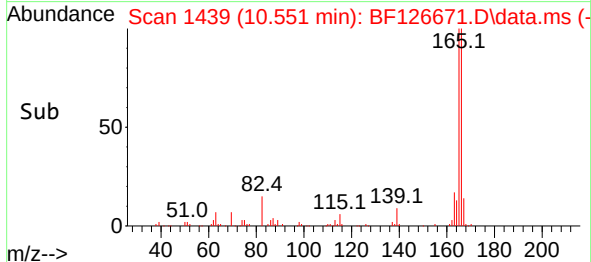
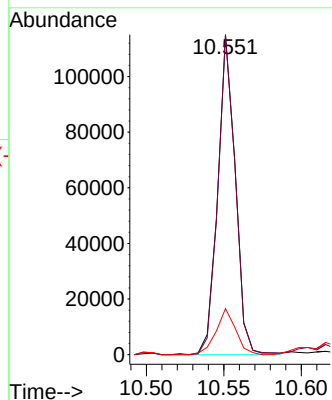
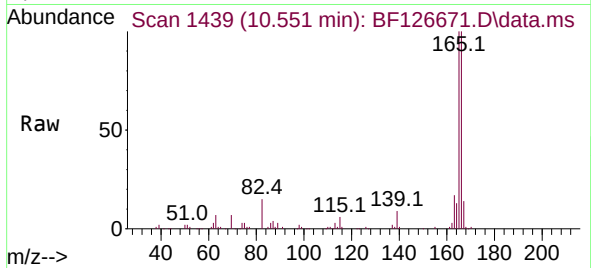




#58
Fluorene
Concen: 5.764 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

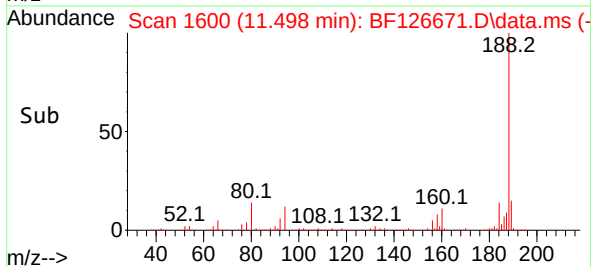
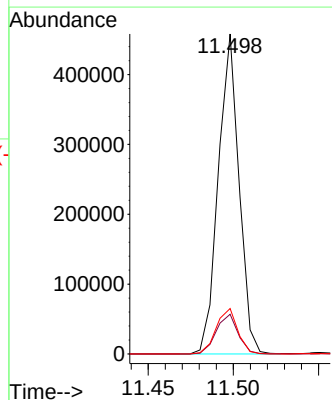
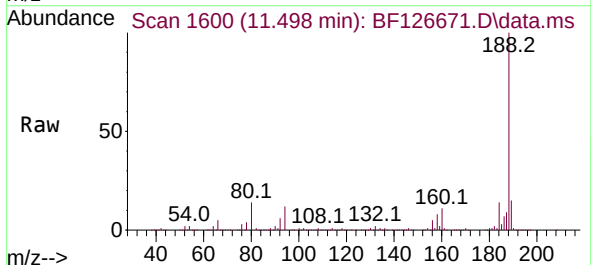
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

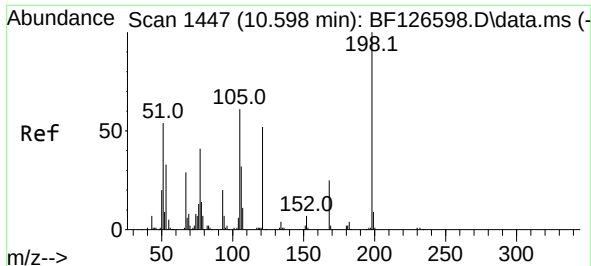
Tgt Ion:166 Resp: 90681
Ion Ratio Lower Upper
166 100
165 99.9 77.7 116.5
167 14.4 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:188 Resp: 387777
Ion Ratio Lower Upper
188 100
94 12.4 10.1 15.1
80 14.2 11.8 17.6

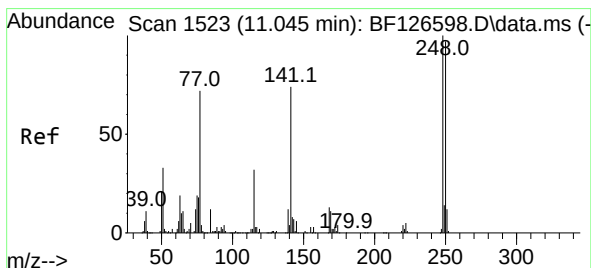
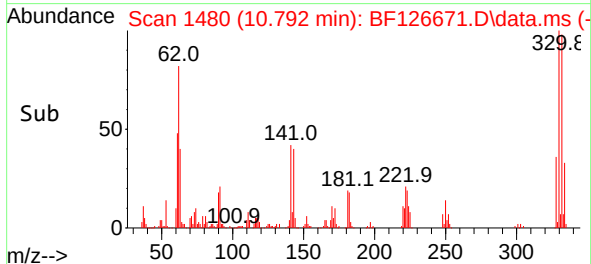
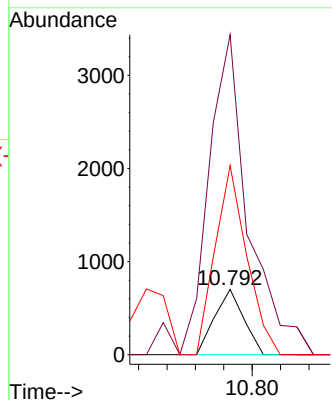
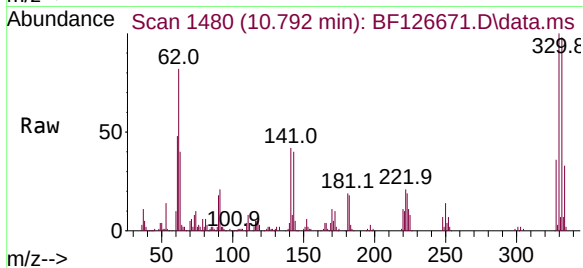




#65
4,6-Dinitro-2-methylphenol
Concen: 7.599 ng
RT: 10.792 min Scan# 1447
Delta R.T. 0.194 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

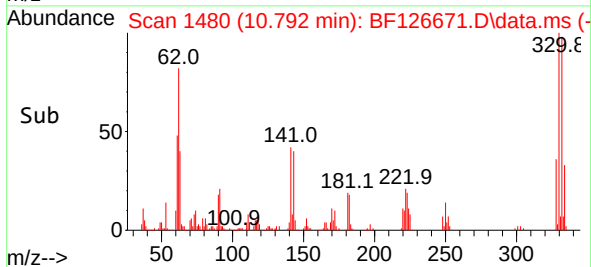
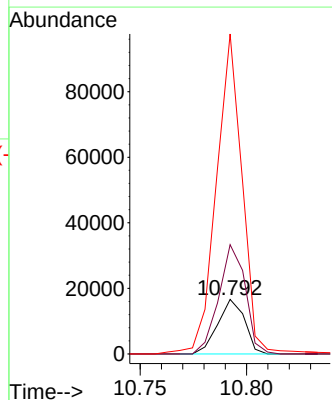
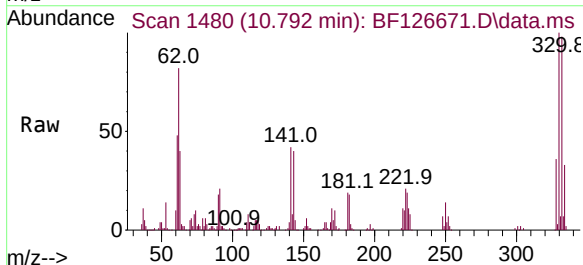
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

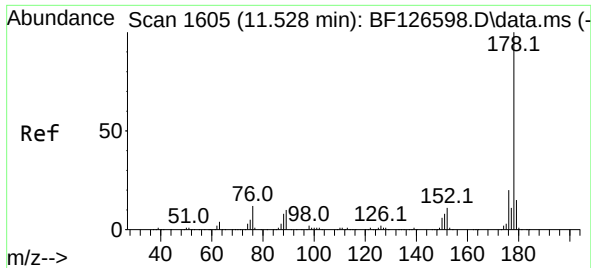
Tgt Ion:198 Resp: 497
Ion Ratio Lower Upper
198 100
51 490.3 32.0 72.0#
105 289.7 32.7 72.7#



#67
4-Bromophenyl-phenylether
Concen: 3.268 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.253 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:248 Resp: 14605
Ion Ratio Lower Upper
248 100
250 200.5 76.2 114.4#
141 587.1 66.2 99.4#

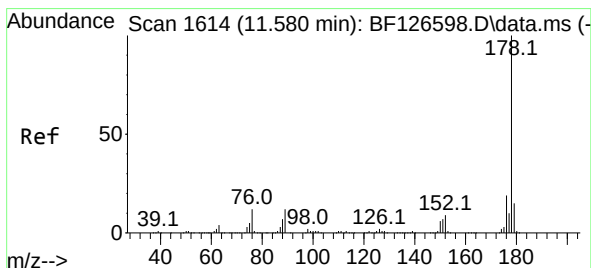
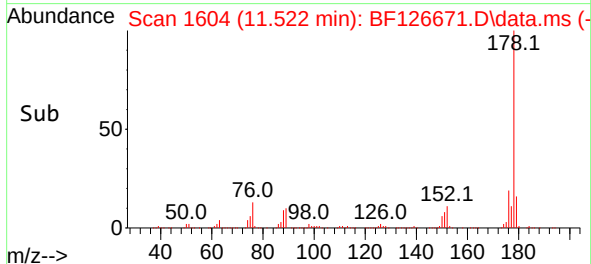
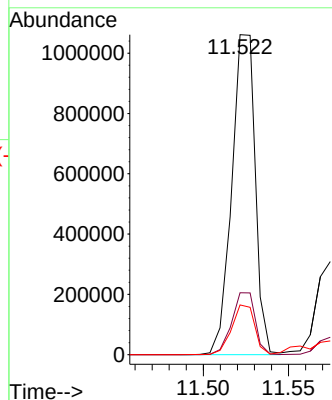
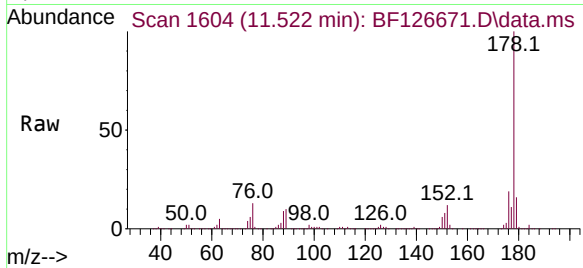




#71
Phenanthrene
Concen: 45.894 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

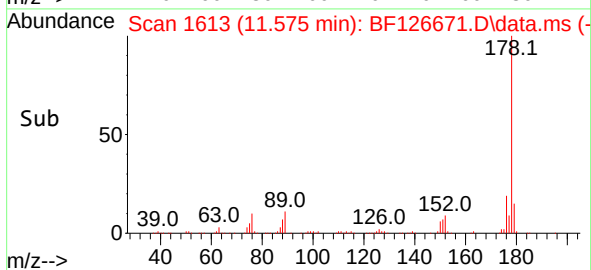
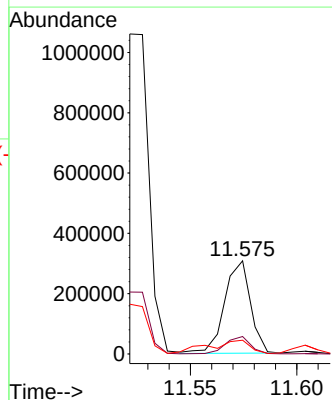
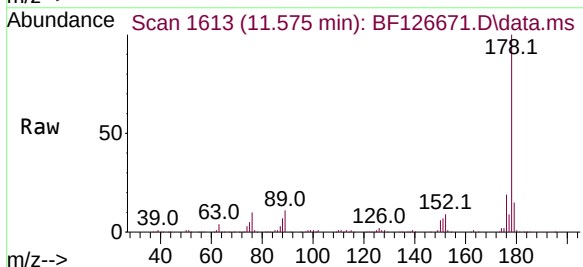
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

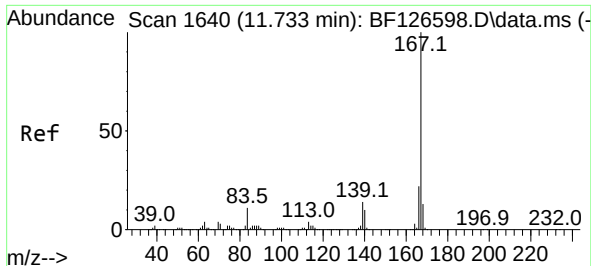
Tgt Ion:178 Resp: 1016740
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.5 12.3 18.5



#72
Anthracene
Concen: 11.734 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:178 Resp: 260829
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 14.8 12.5 18.7

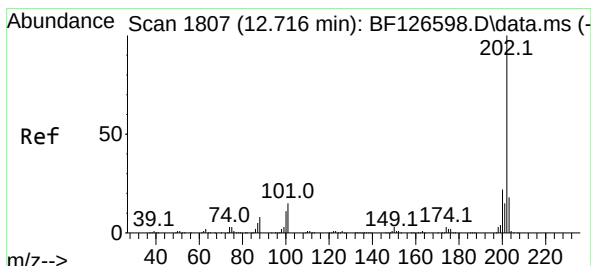
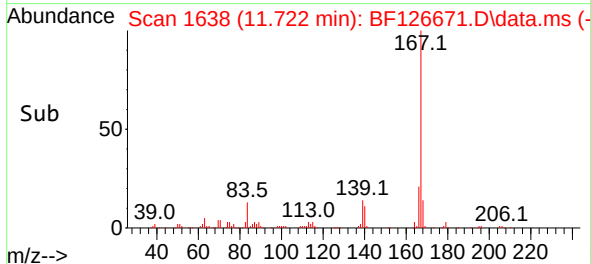
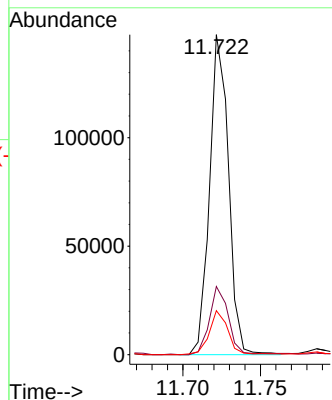
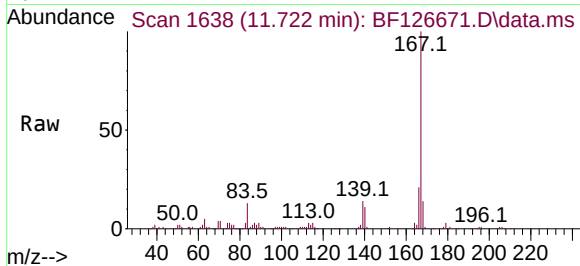




#73
Carbazole
Concen: 6.008 ng
RT: 11.722 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

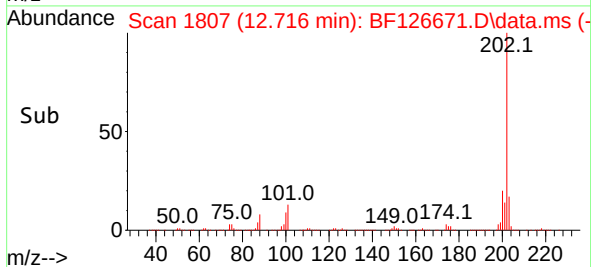
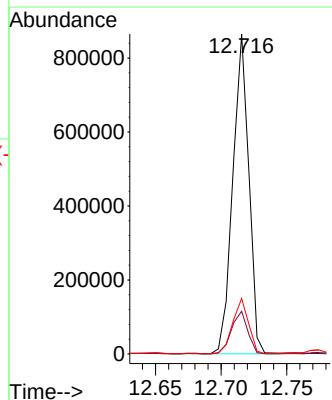
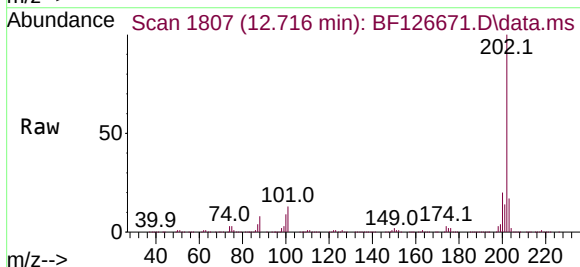
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

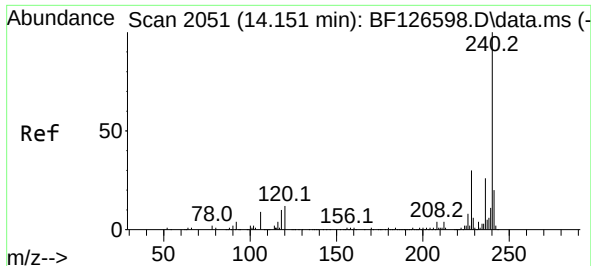
Tgt Ion:167 Resp: 125388
Ion Ratio Lower Upper
167 100
166 21.3 16.9 25.3
139 13.7 11.3 16.9



#75
Fluoranthene
Concen: 33.545 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:202 Resp: 734051
Ion Ratio Lower Upper
202 100
101 13.3 0.0 35.7
203 17.3 0.0 37.1

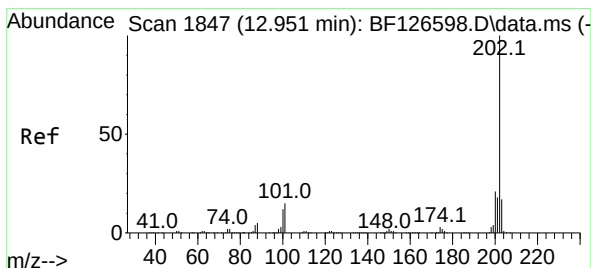
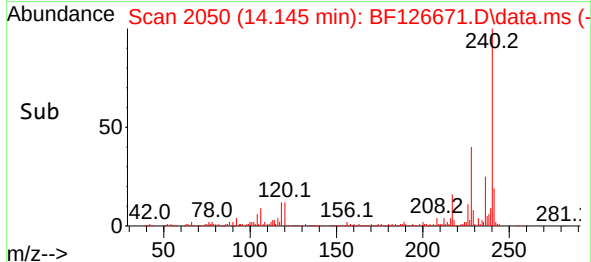
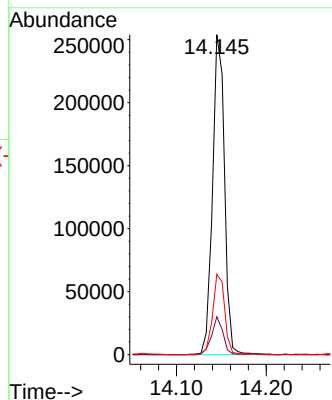
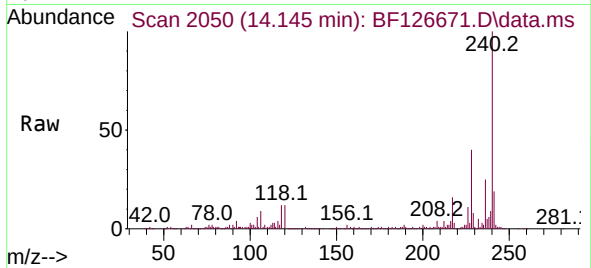




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

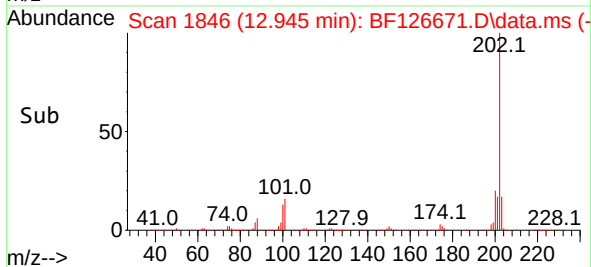
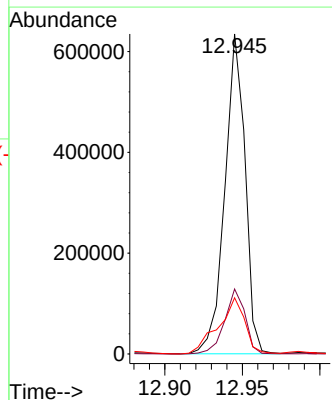
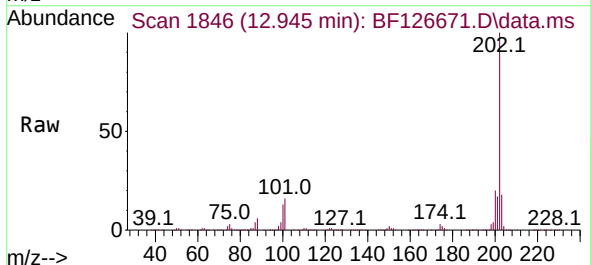
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

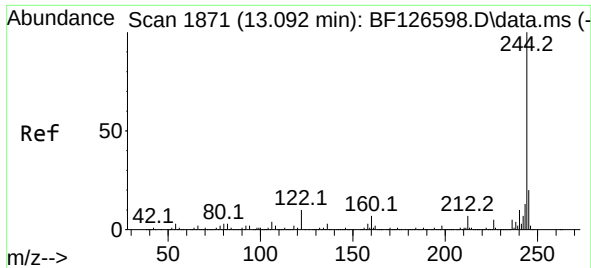
Tgt Ion:240 Resp: 235274
Ion Ratio Lower Upper
240 100
120 11.9 14.4 21.6#
236 25.1 20.5 30.7



#78
Pyrene
Concen: 30.240 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:202 Resp: 575360
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.6 13.8 20.8

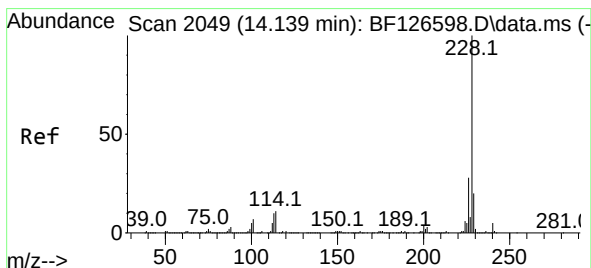
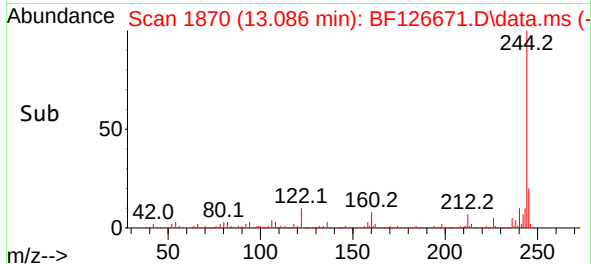
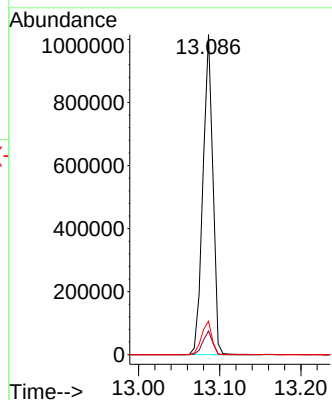
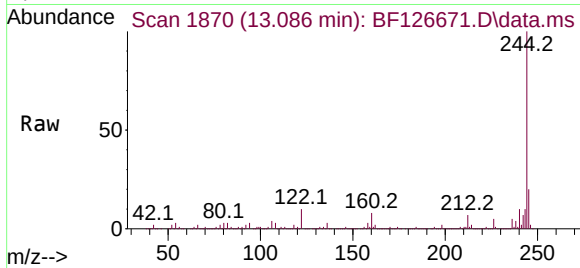




#79
 Terphenyl-d14
 Concen: 61.428 ng
 RT: 13.086 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126671.D
 Acq: 25 Jan 2022 18:43

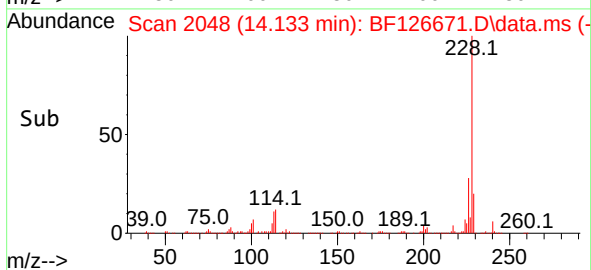
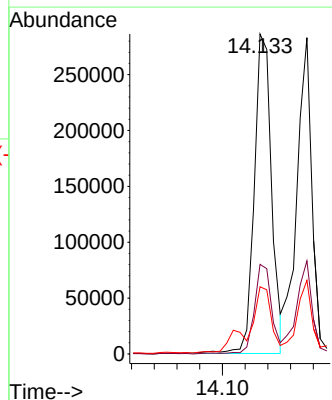
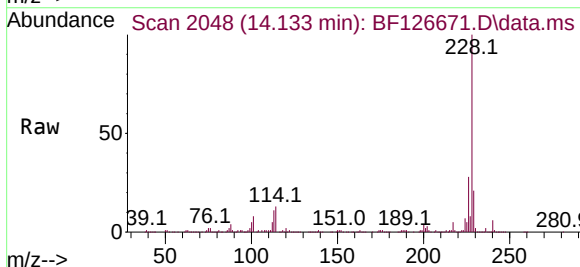
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(2.5-3)

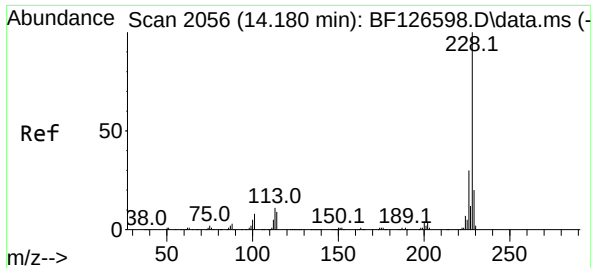
Tgt Ion:244 Resp: 861666
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.0 7.4
 122 10.4 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 18.945 ng
 RT: 14.133 min Scan# 2048
 Delta R.T. -0.006 min
 Lab File: BF126671.D
 Acq: 25 Jan 2022 18:43

Tgt Ion:228 Resp: 302961
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.0
 229 21.0 15.4 23.2





#83

Chrysene

Concen: 17.045 ng

RT: 14.174 min Scan# 2055

Delta R.T. -0.006 min

Lab File: BF126671.D

Acq: 25 Jan 2022 18:43

Instrument :

BNA_F

ClientSampleId :

SB-2(2.5-3)

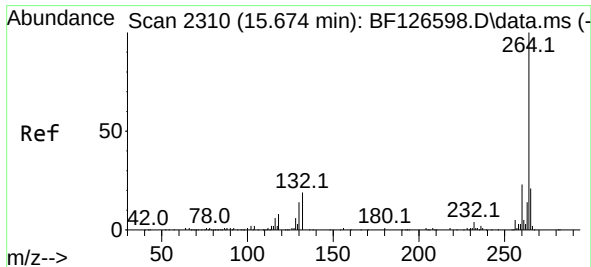
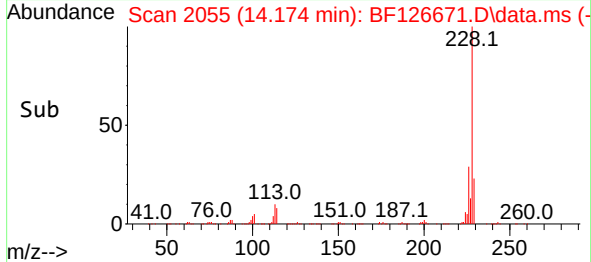
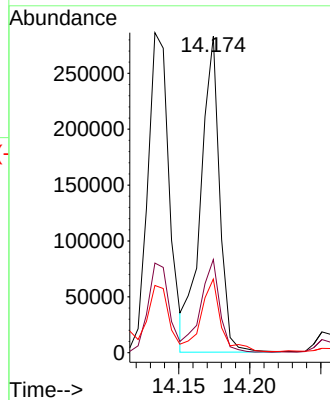
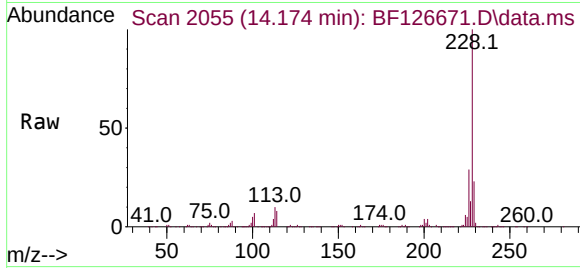
Tgt Ion:228 Resp: 262269

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 23.3 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.680 min Scan# 2311

Delta R.T. 0.006 min

Lab File: BF126671.D

Acq: 25 Jan 2022 18:43

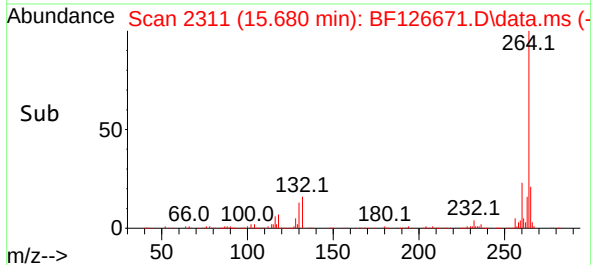
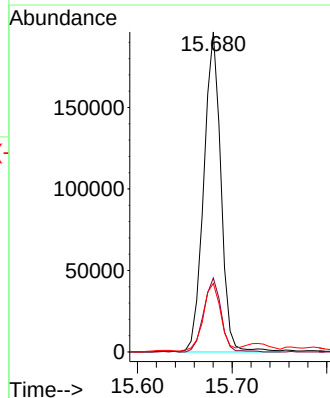
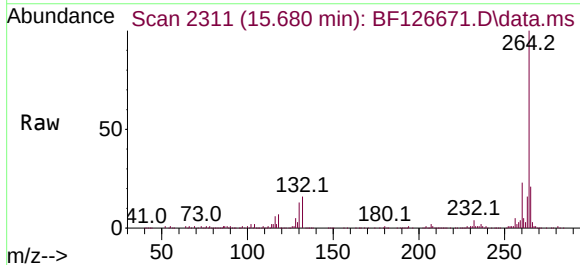
Tgt Ion:264 Resp: 245925

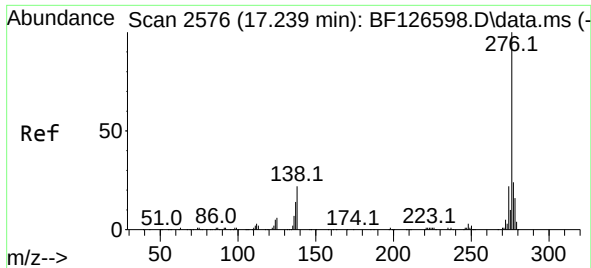
Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.4 17.4 26.2

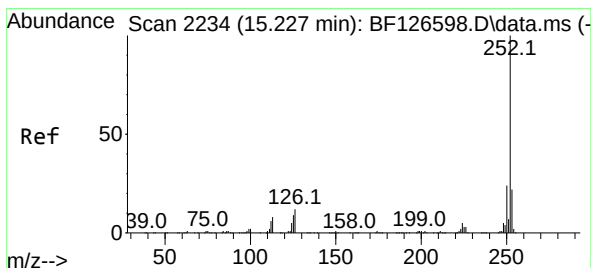
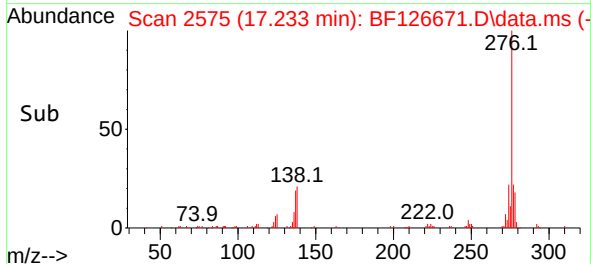
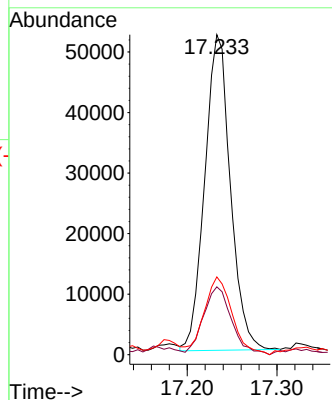
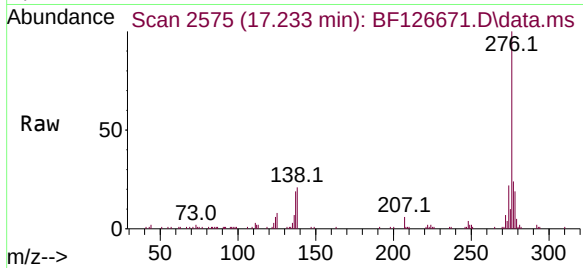




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.813 ng
RT: 17.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

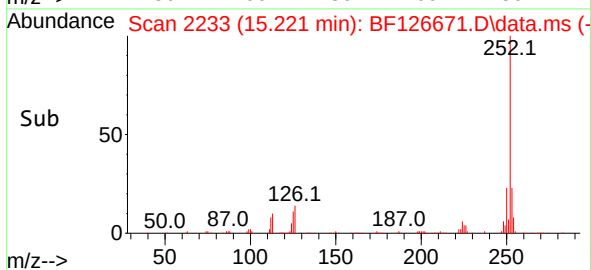
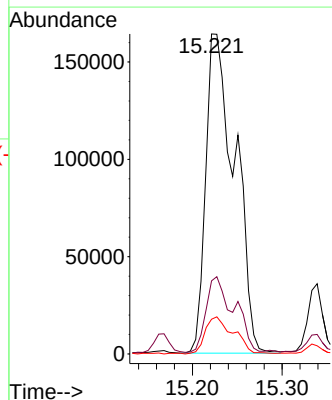
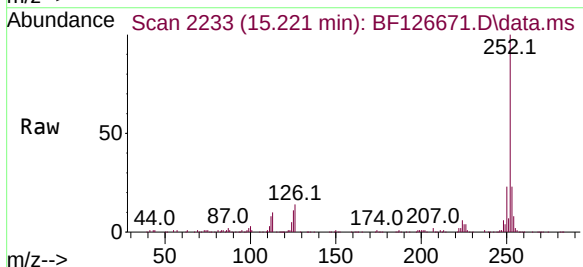
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

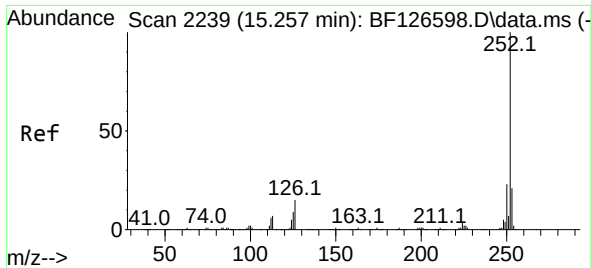
Tgt Ion:276 Resp: 103526
Ion Ratio Lower Upper
276 100
138 23.5 29.2 43.8#
277 26.7 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 22.794 ng
RT: 15.221 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:252 Resp: 371739
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.9 12.4 18.6#

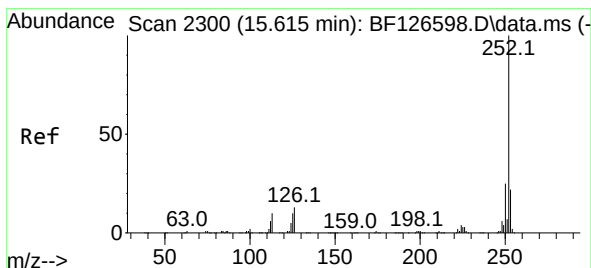
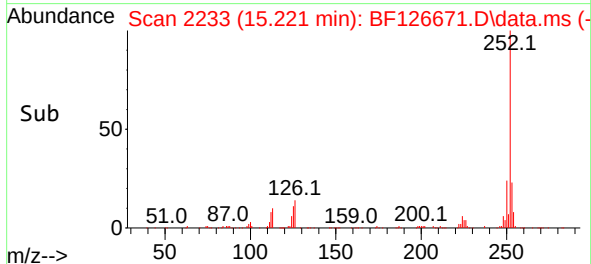
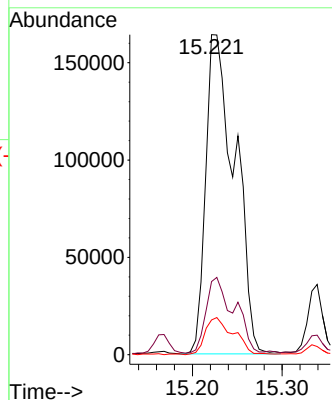
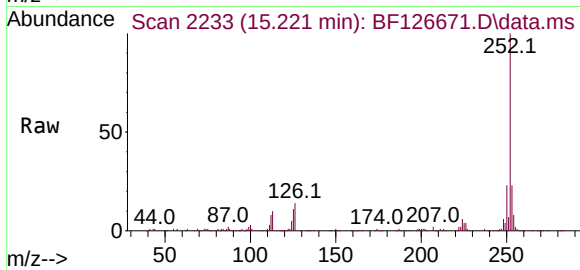




#89
Benzo(k)fluoranthene
Concen: 23.216 ng
RT: 15.221 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

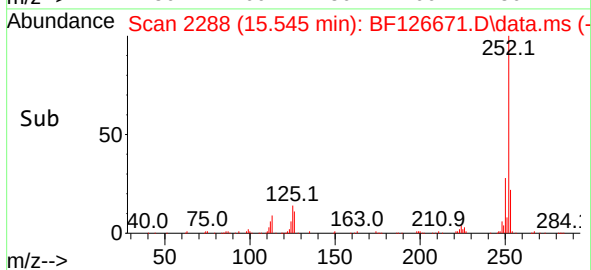
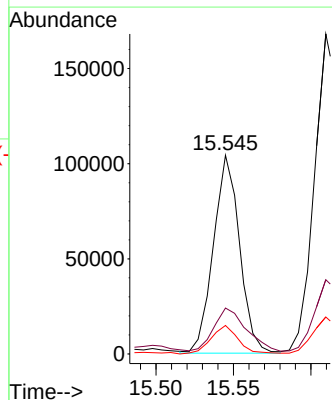
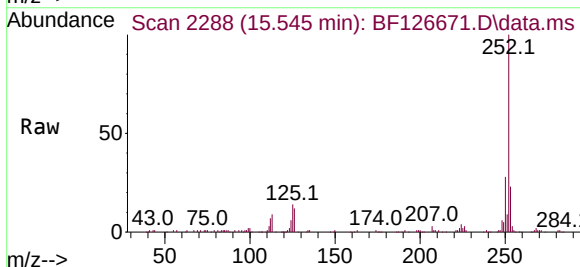
Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

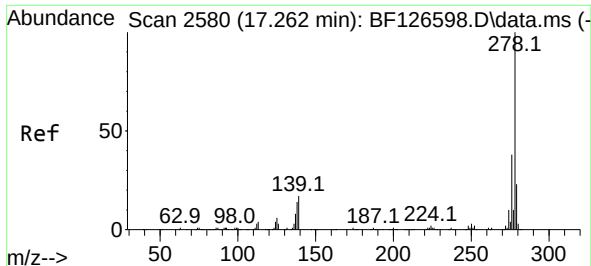
Tgt Ion:252 Resp: 371739
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.9 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 9.218 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.071 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:252 Resp: 122321
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 14.3 13.0 19.6

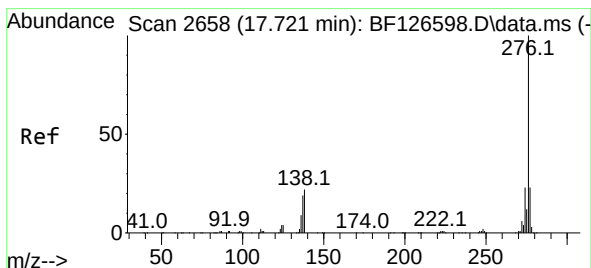
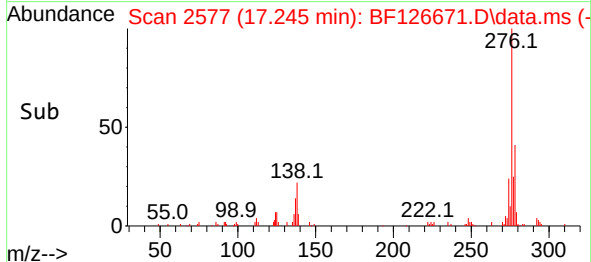
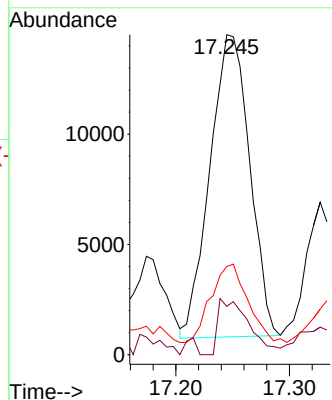
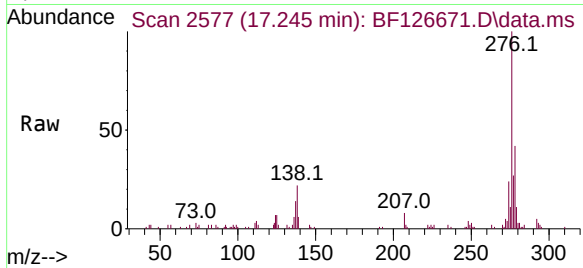




#91
Dibenzo(a,h)anthracene
Concen: 2.649 ng
RT: 17.245 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Instrument :
BNA_F
ClientSampleId :
SB-2(2.5-3)

Tgt Ion:278 Resp: 33349
Ion Ratio Lower Upper
278 100
139 15.1 18.0 27.0#
279 27.6 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 7.050 ng
RT: 17.709 min Scan# 2656
Delta R.T. -0.012 min
Lab File: BF126671.D
Acq: 25 Jan 2022 18:43

Tgt Ion:276 Resp: 87014
Ion Ratio Lower Upper
276 100
277 25.9 18.5 27.7
138 19.0 25.9 38.9#

