

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122670.D
 Acq On : 11 Dec 2020 18:46
 Operator : JU/CG
 Sample : L5035-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Dec 12 02:24:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

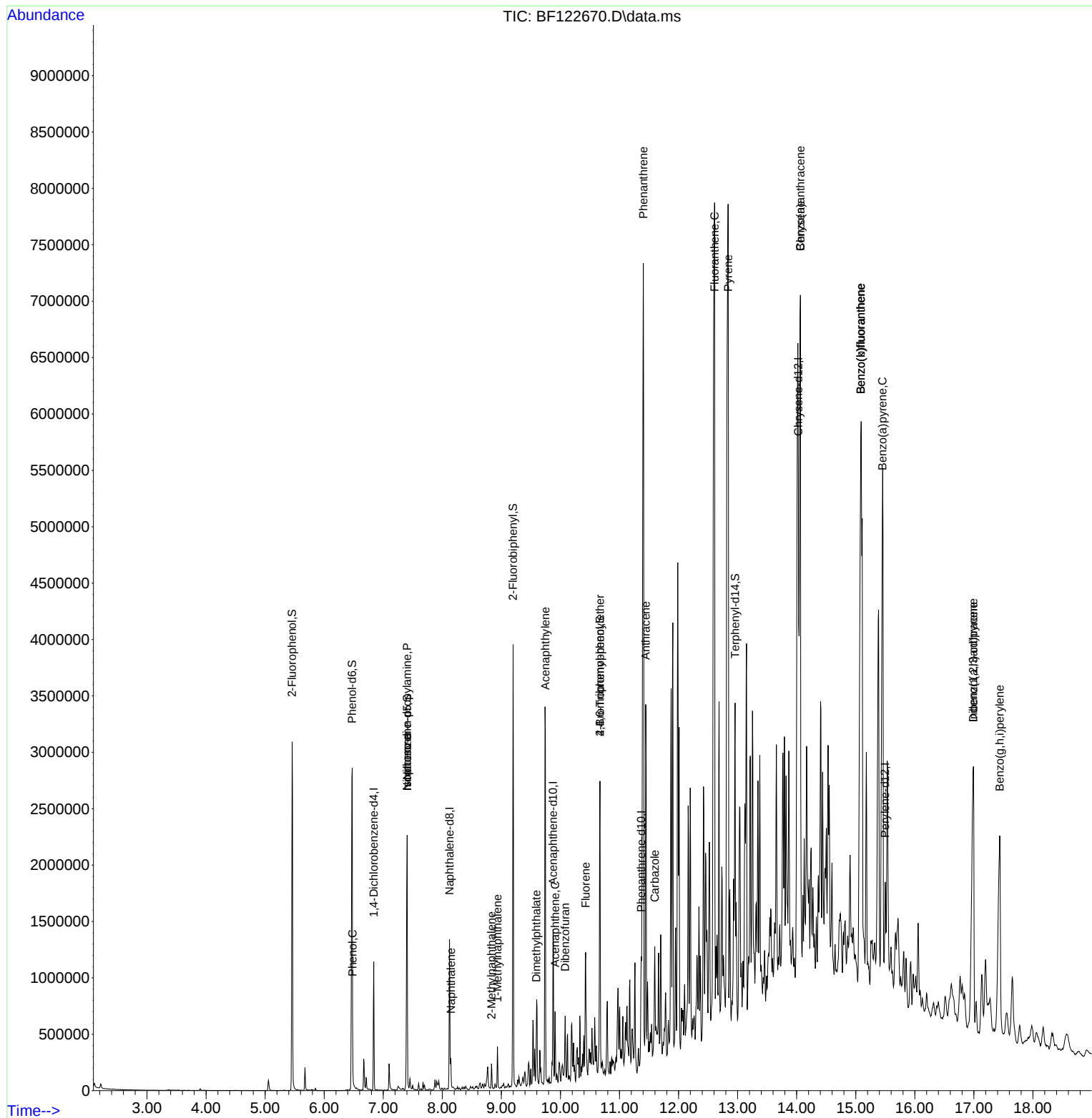
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	160825	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	601941	20.00	ng	0.00
39) Acenaphthene-d10	9.874	164	297846	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	455335	20.00	ng	0.00
76) Chrysene-d12	14.027	240	298388	20.00	ng	0.02
86) Perylene-d12	15.498	264	392138	20.00	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	971258	95.61	ng	0.00
7) Phenol-d6	6.475	99	1229505	91.26	ng	0.00
23) Nitrobenzene-d5	7.404	82	746922	62.17	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	317711	81.49	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1162134	52.77	ng	0.00
79) Terphenyl-d14	12.957	244	880898	51.68	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.481	94	40463	2.90	ng	98
19) n-Nitroso-di-n-propyla...	7.404	70	98827	12.81	ng	# 77
25) Isophorone	7.404	82	743907	35.95	ng	# 65
31) Naphthalene	8.145	128	107384	3.23	ng	98
37) 2-Methylnaphthalene	8.833	142	57039	2.60	ng	97
38) 1-Methylnaphthalene	8.933	142	88480	4.26	ng	99
49) Acenaphthylene	9.745	152	1487147	49.16	ng	100
50) Dimethylphthalate	9.592	163	115053	4.84	ng	99
52) Acenaphthene	9.910	154	122944	6.28	ng	97
55) Dibenzofuran	10.080	168	96808	3.52	ng	# 91
58) Fluorene	10.427	166	355317	16.23	ng	99
67) 4-Bromophenyl-phenylether	10.669	248	19281	3.12	ng	# 1
71) Phenanthrene	11.404	178	4015616	148.40	ng	98
72) Anthracene	11.445	178	1214960	45.28	ng	99
73) Carbazole	11.598	167	355019	14.59	ng	99
75) Fluoranthene	12.610	202	5433926	191.49	ng	98
78) Pyrene	12.839	202	5348238	231.82	ng	96
81) Benzo(a)anthracene	14.062	228	3119246	156.42	ng	92
83) Chrysene	14.062	228	3119246	157.18	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.992	276	2055034	79.84	ng	96
88) Benzo(b)fluoranthene	15.086	252	5778633	210.03	ng	98
89) Benzo(k)fluoranthene	15.086	252	5778633	229.71	ng	97
90) Benzo(a)pyrene	15.451	252	3147097	130.74	ng	97
91) Dibenzo(a,h)anthracene	16.992	278	574519	27.27	ng	93
92) Benzo(g,h,i)perylene	17.439	276	1869572	91.69	ng	99

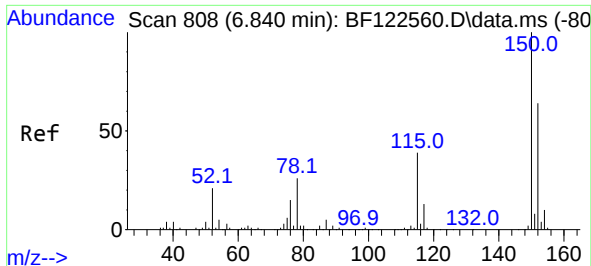
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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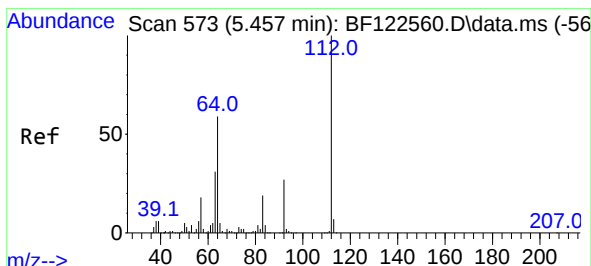
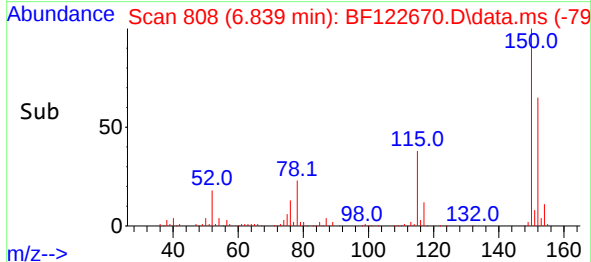
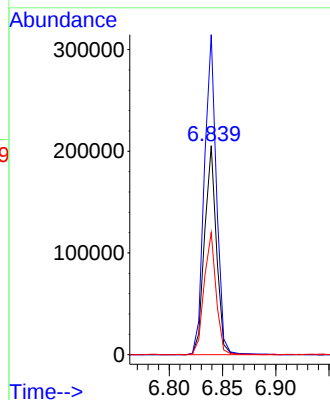
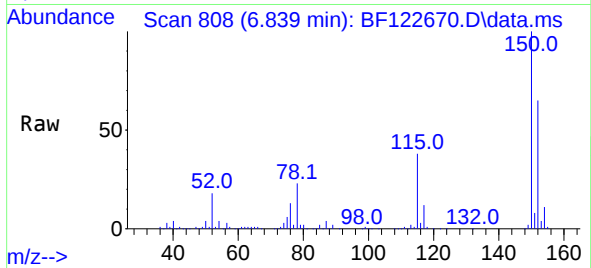




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

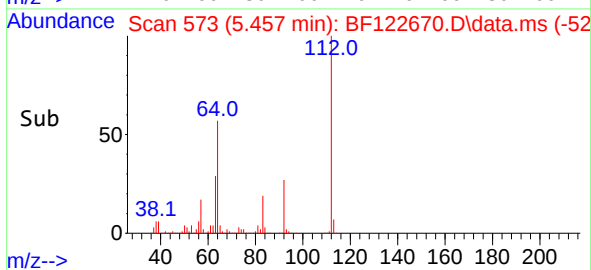
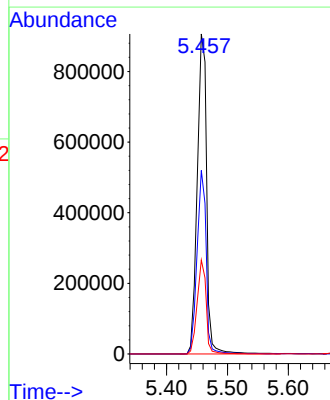
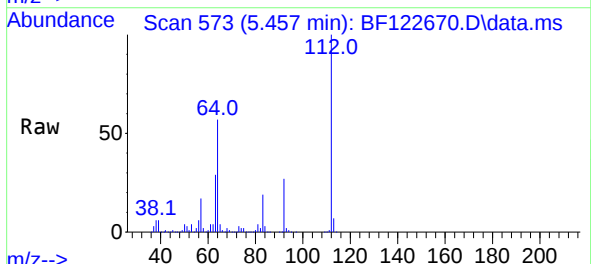
Instrument :
BNA_F
ClientSampleId :
DUP

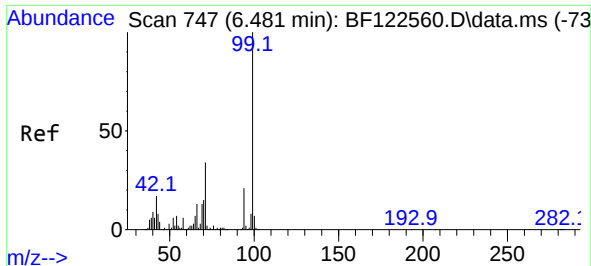
Tgt Ion:152 Resp: 160825
Ion Ratio Lower Upper
152 100
150 153.1 125.8 188.6
115 58.4 49.3 73.9



#5
2-Fluorophenol
Concen: 95.61 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:112 Resp: 971258
Ion Ratio Lower Upper
112 100
64 57.4 46.9 70.3
63 29.3 24.5 36.7



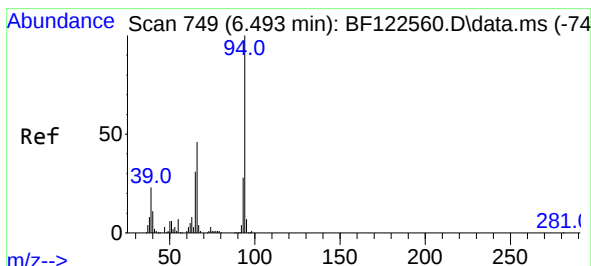
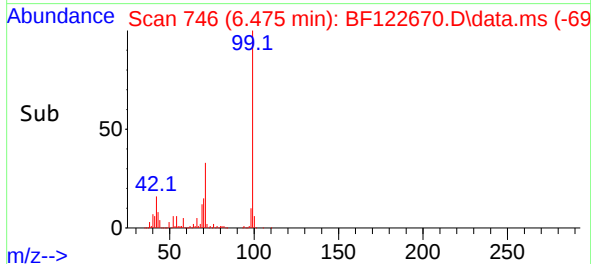
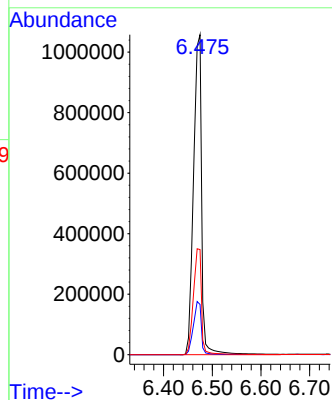
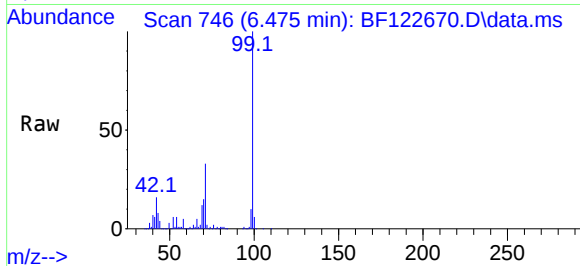


#7
Phenol-d6
Concen: 91.26 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion: 99 Resp: 1229505

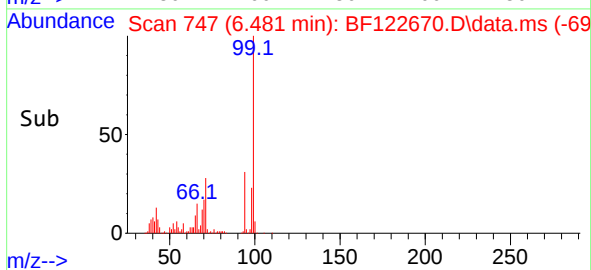
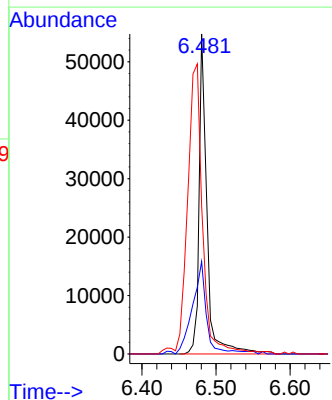
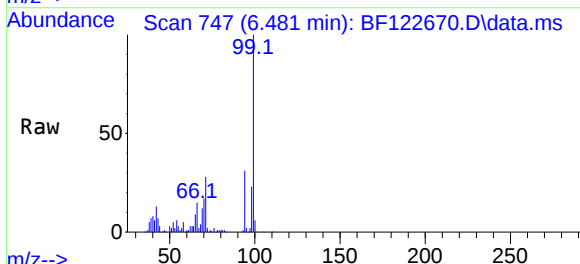
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.8	20.6
71	32.9	26.9	40.3

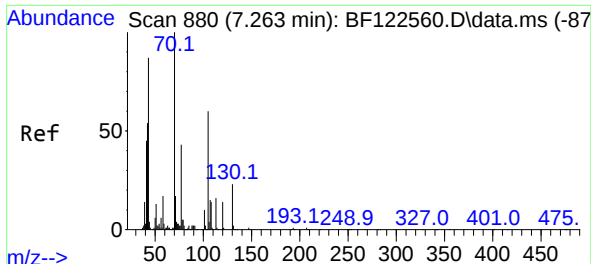


#10
Phenol
Concen: 2.90 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion: 94 Resp: 40463

Ion	Ratio	Lower	Upper
94	100		
65	28.9	11.2	51.2
66	46.3	25.8	65.8



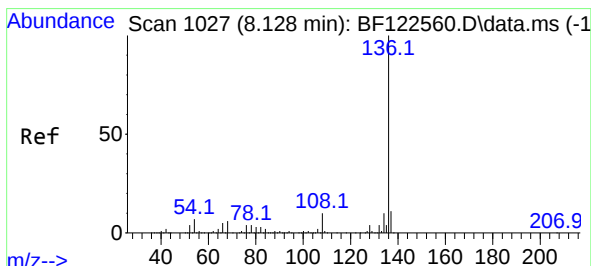
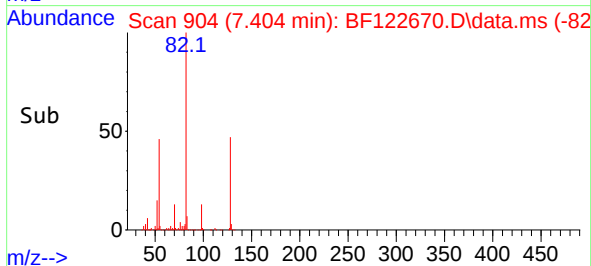
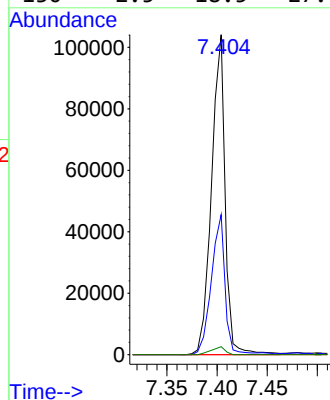
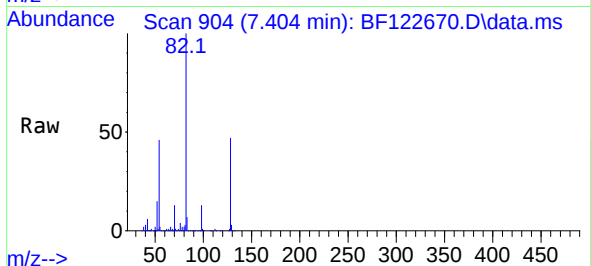


#19
n-Nitroso-di-n-propylamine
Concen: 12.81 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion: 70 Resp: 98827

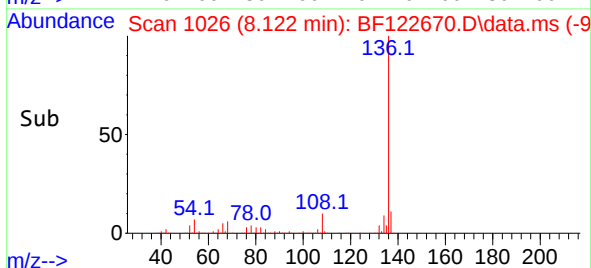
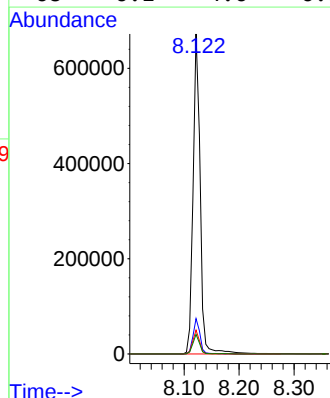
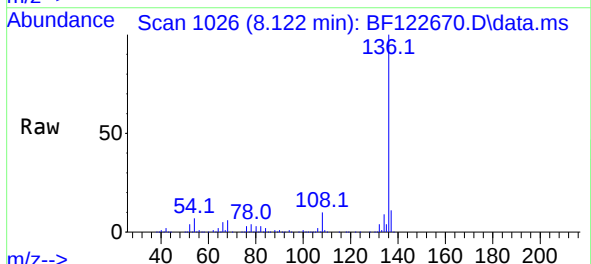
Ion	Ratio	Lower	Upper
70	100		
42	43.7	43.0	64.4
101	0.0	7.9	11.9#
130	2.5	18.5	27.7#

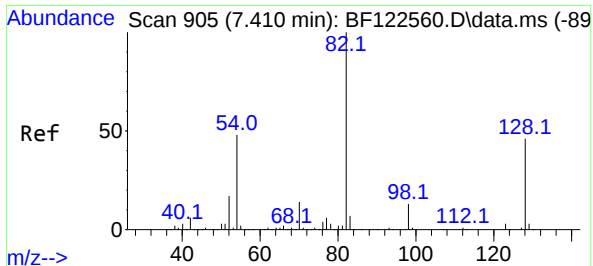


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion: 136 Resp: 601941

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	5.5	8.3
68	6.1	4.6	6.8

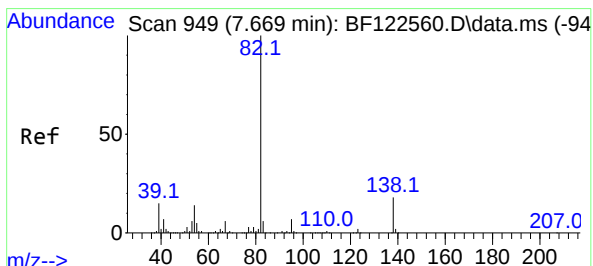
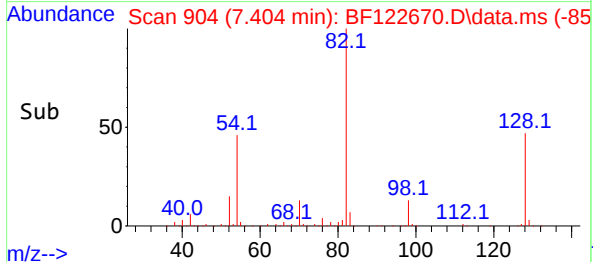
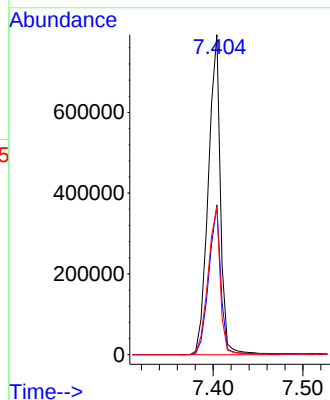
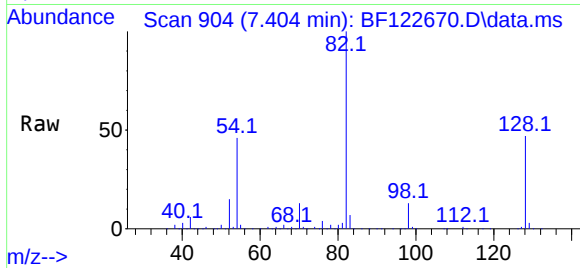




#23
Nitrobenzene-d5
Concen: 62.17 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

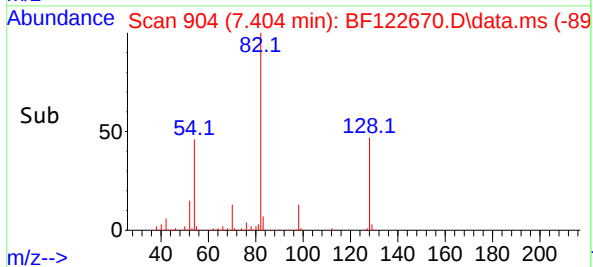
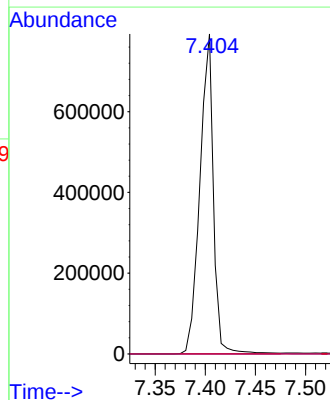
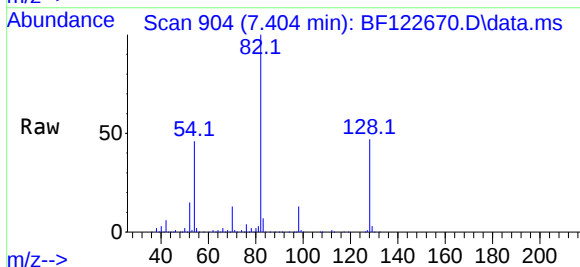
Instrument :
BNA_F
ClientSampleId :
DUP

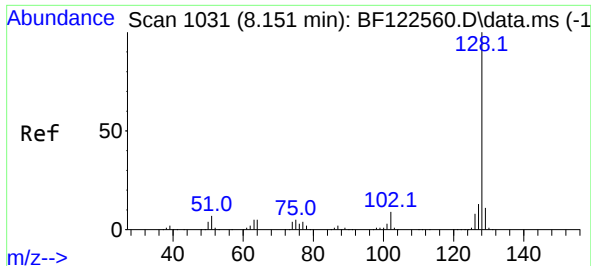
Tgt Ion: 82 Resp: 746922
Ion Ratio Lower Upper
82 100
128 46.8 37.0 55.4
54 46.0 38.4 57.6



#25
Isophorone
Concen: 35.95 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion: 82 Resp: 743907
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

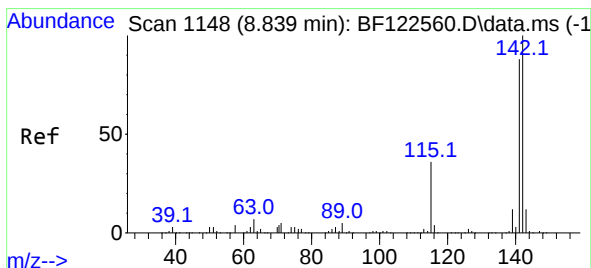
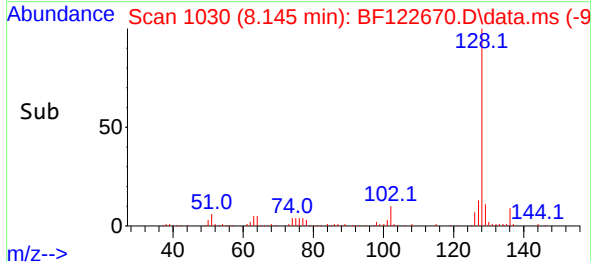
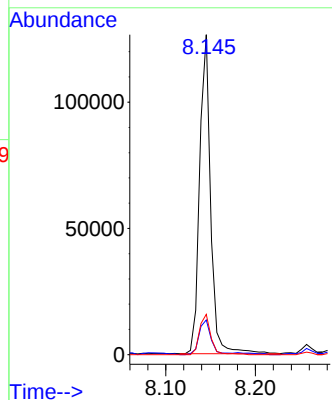
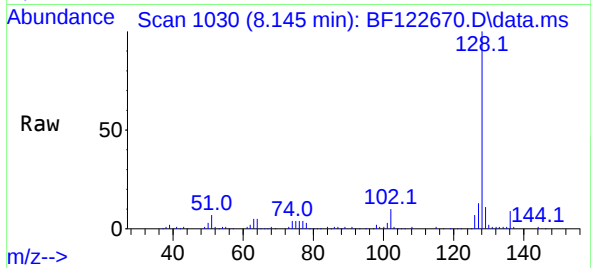




#31
Naphthalene
Concen: 3.23 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

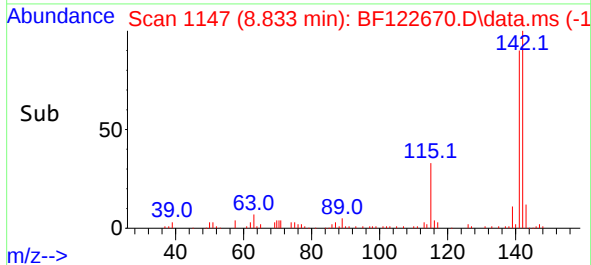
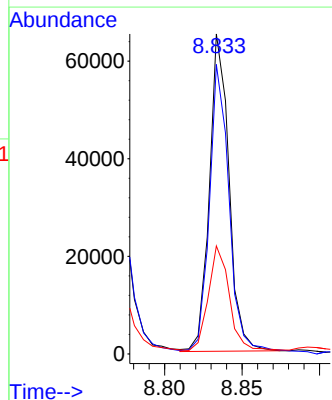
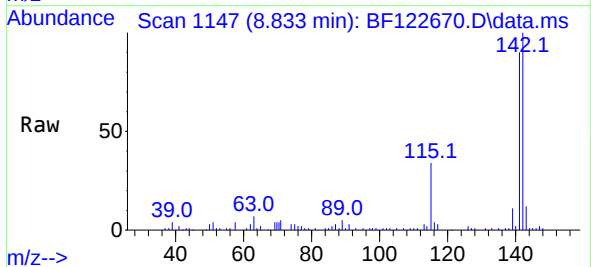
Instrument :
BNA_F
ClientSampled :
DUP

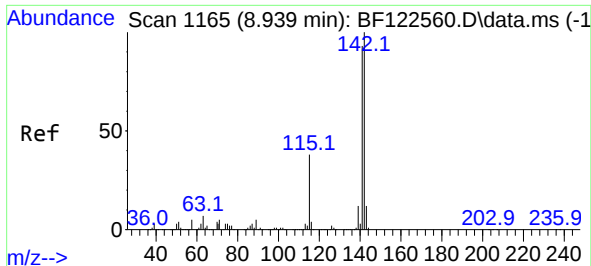
Tgt Ion:128 Resp: 107384
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.6 10.7 16.1



#37
2-Methylnaphthalene
Concen: 2.60 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:142 Resp: 57039
Ion Ratio Lower Upper
142 100
141 90.4 70.6 106.0
115 33.8 28.7 43.1

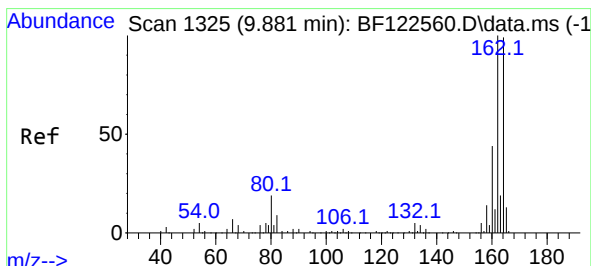
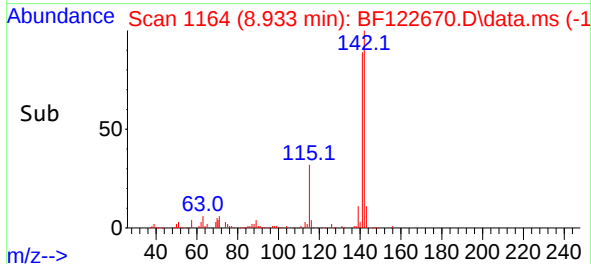
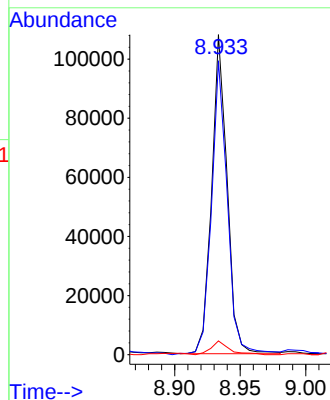
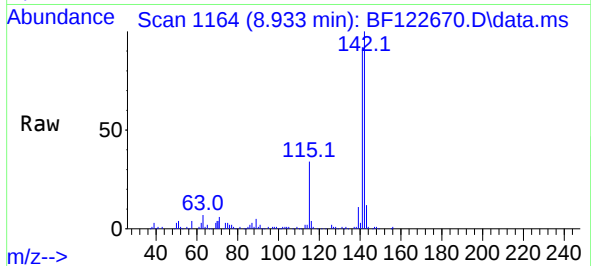




#38
1-Methylnaphthalene
Concen: 4.26 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

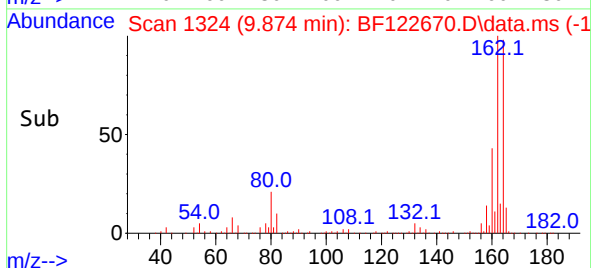
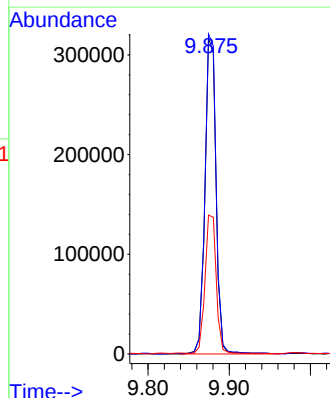
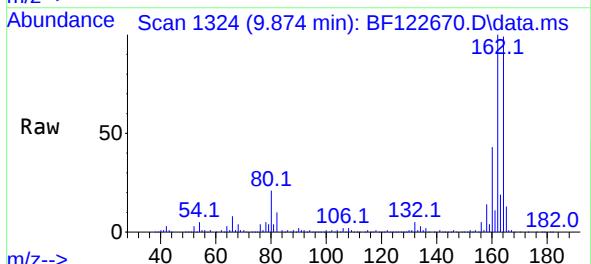
Instrument :
BNA_F
ClientSampleId :
DUP

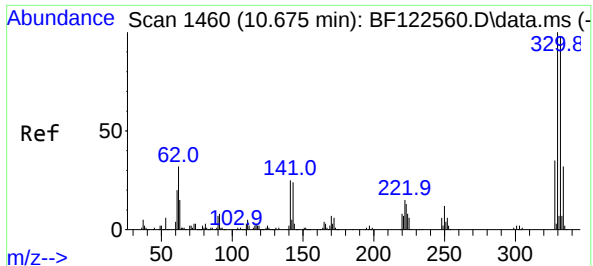
Tgt Ion:142 Resp: 88480
Ion Ratio Lower Upper
142 100
141 91.8 74.5 111.7
116 4.3 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.007 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:164 Resp: 297846
Ion Ratio Lower Upper
164 100
162 101.3 80.8 121.2
160 44.0 35.4 53.0

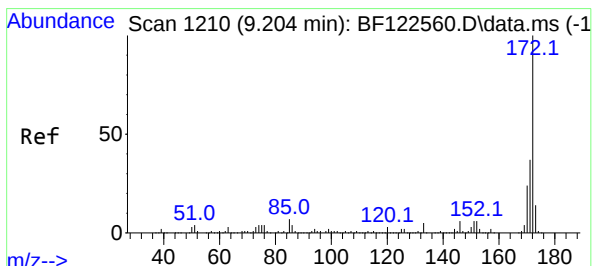
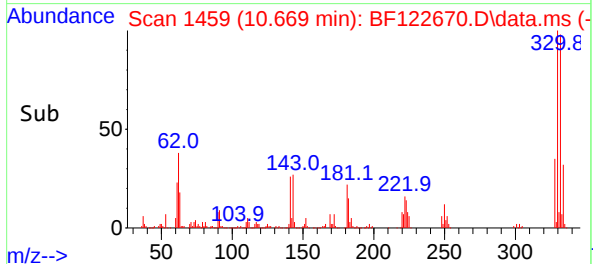
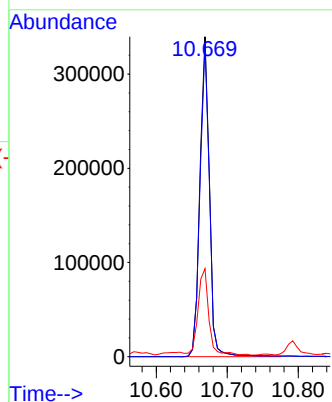
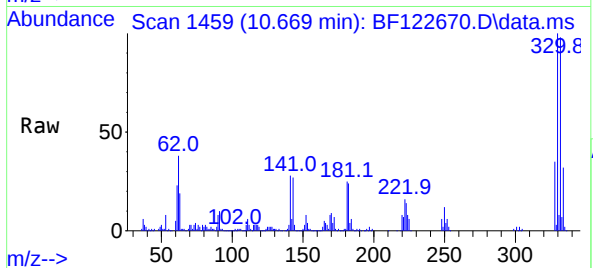




#42
2,4,6-Tribromophenol
Concen: 81.49 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

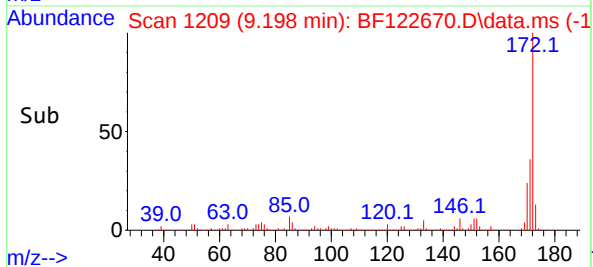
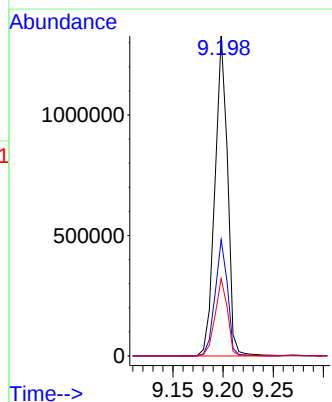
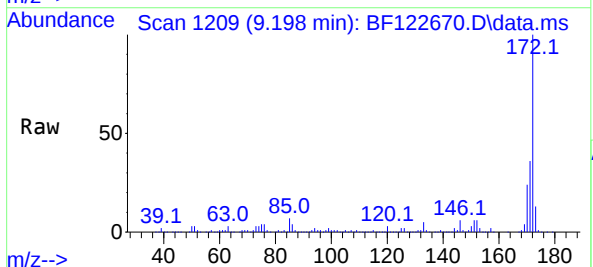
Instrument :
BNA_F
ClientSampleID :
DUP

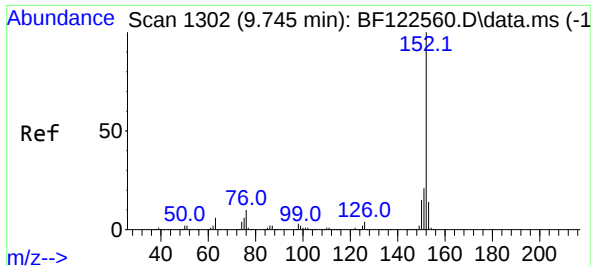
Tgt Ion: 330 Resp: 317711
Ion Ratio Lower Upper
330 100
332 97.1 77.5 116.3
141 30.5 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 52.77 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion: 172 Resp: 1162134
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.1 19.5 29.3

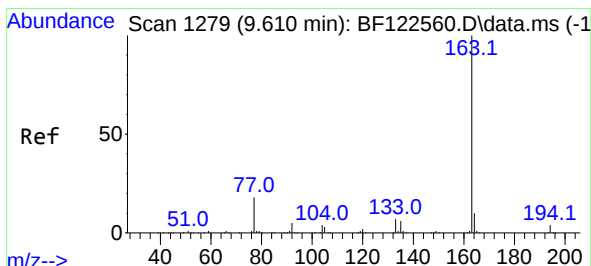
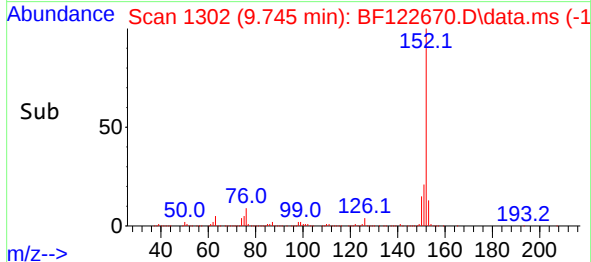
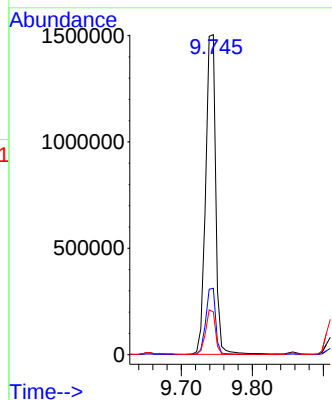
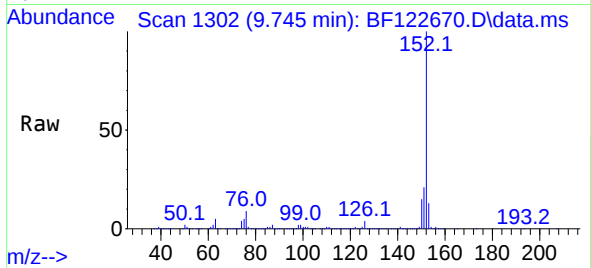




#49
Acenaphthylene
Concen: 49.16 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

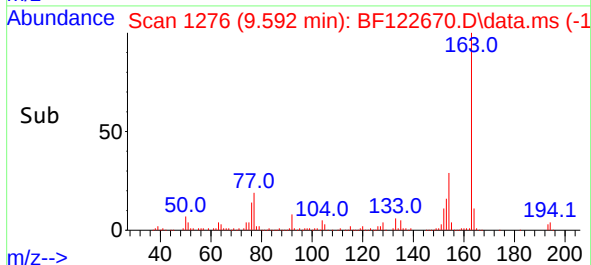
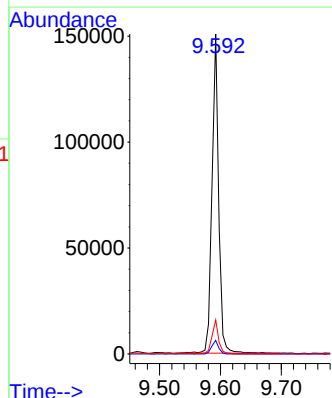
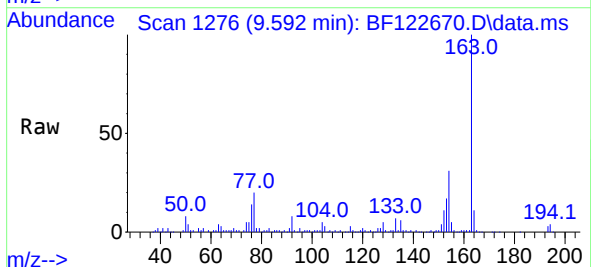
Instrument :
BNA_F
ClientSampleId :
DUP

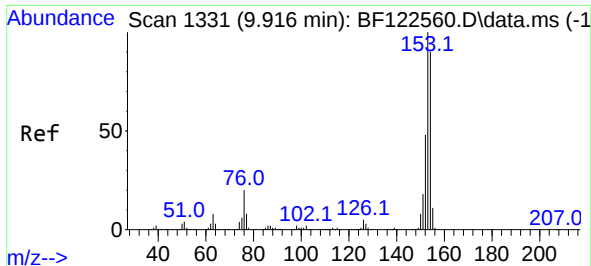
Tgt Ion:152 Resp: 1487147
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0
153 13.4 10.9 16.3



#50
Dimethylphthalate
Concen: 4.84 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

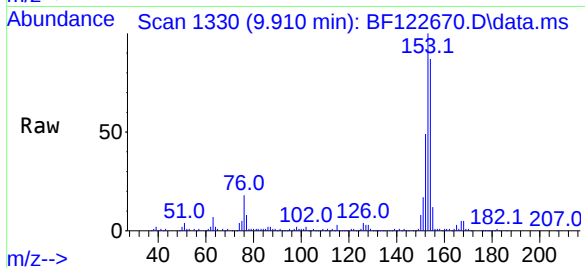
Tgt Ion:163 Resp: 115053
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.6 8.1 12.1



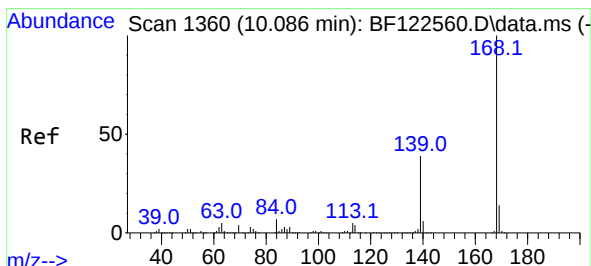
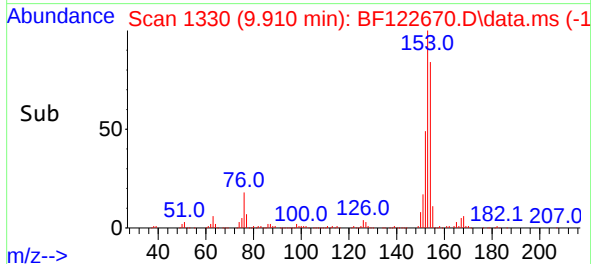
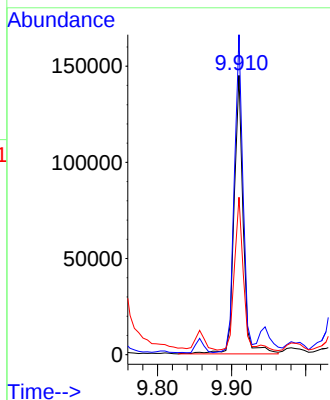


#52
Acenaphthene
Concen: 6.28 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Instrument :
BNA_F
ClientSampled :
DUP

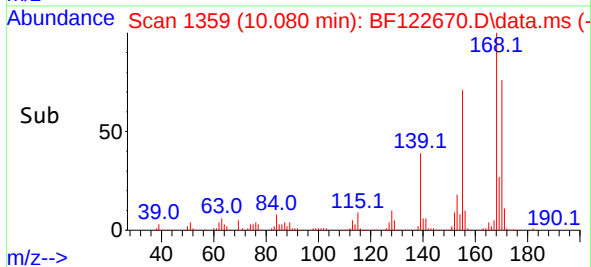
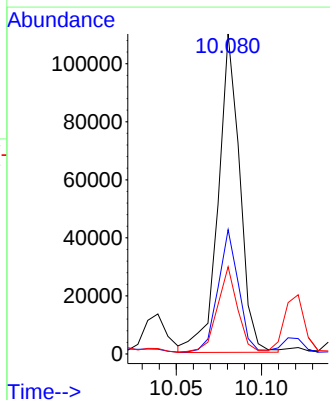
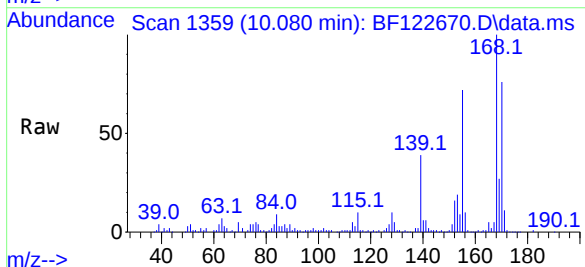


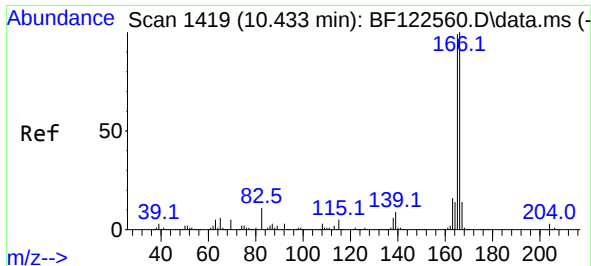
Tgt Ion:154 Resp: 122944
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.4 42.7 64.1



#55
Dibenzofuran
Concen: 3.52 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:168 Resp: 96808
Ion Ratio Lower Upper
168 100
139 38.9 31.3 46.9
169 27.2 11.2 16.8#

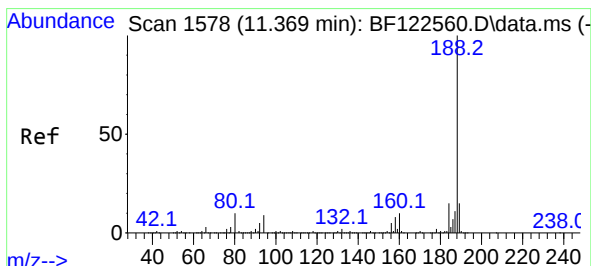
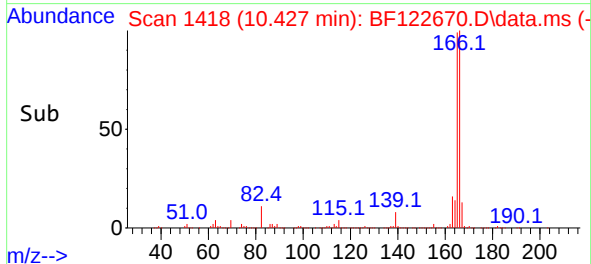
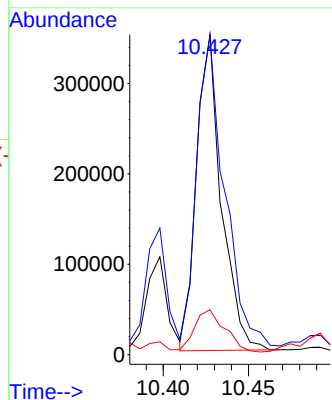
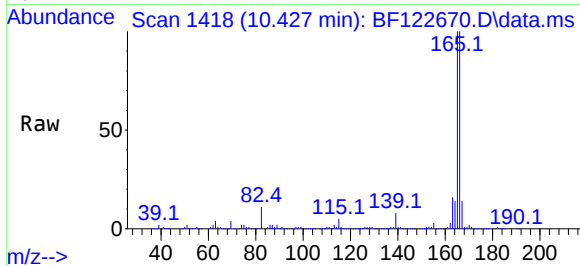




#58
Fluorene
Concen: 16.23 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

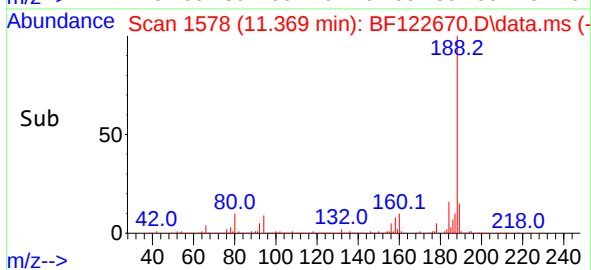
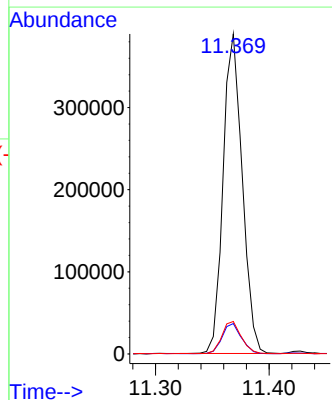
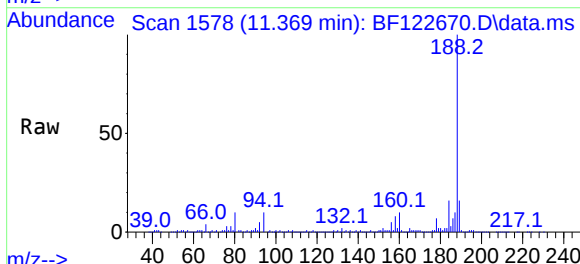
Instrument :
BNA_F
ClientSampleId :
DUP

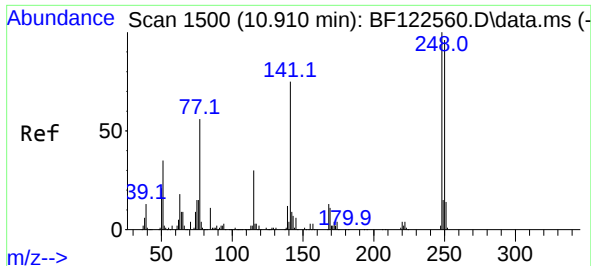
Tgt Ion:166 Resp: 355317
Ion Ratio Lower Upper
166 100
165 99.7 79.4 119.0
167 14.0 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:188 Resp: 455335
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.1 8.2 12.4

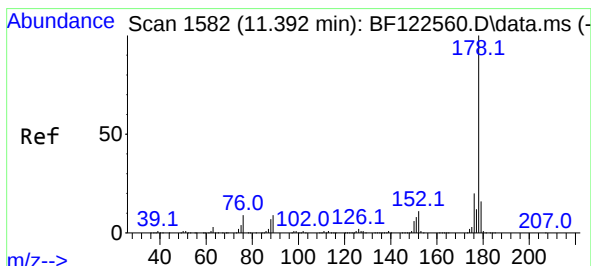
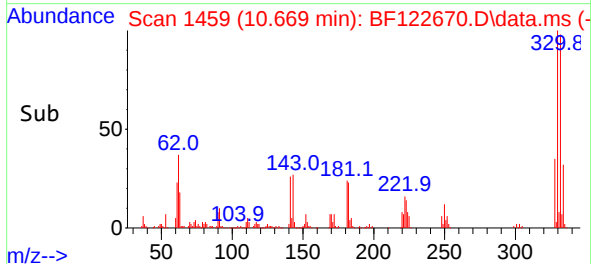
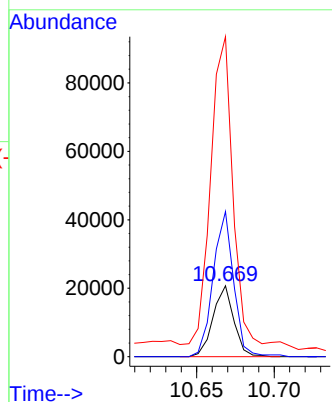
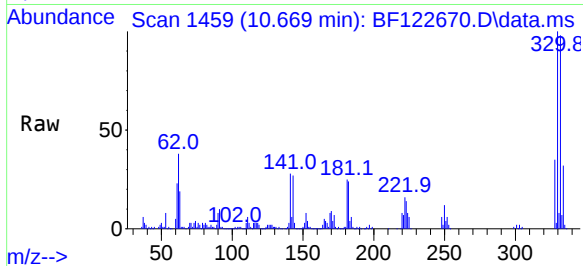




#67
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

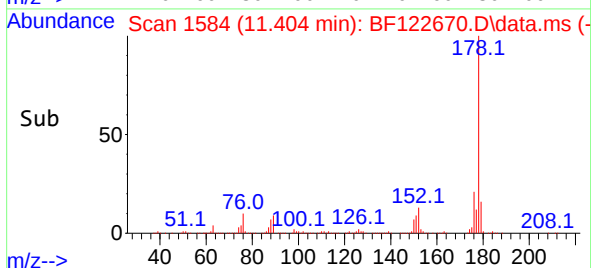
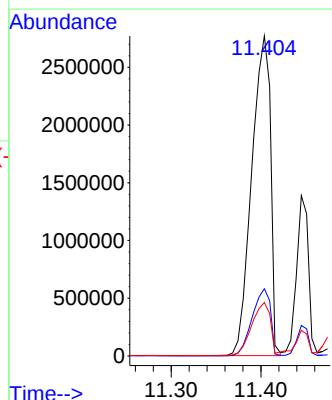
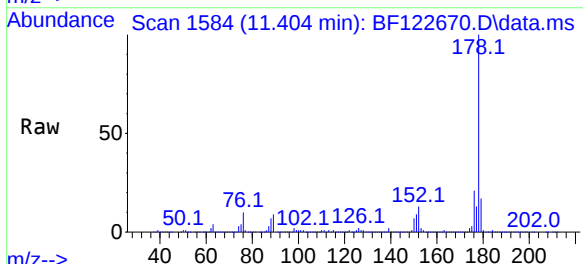
Instrument :
BNA_F
ClientSampled :
DUP

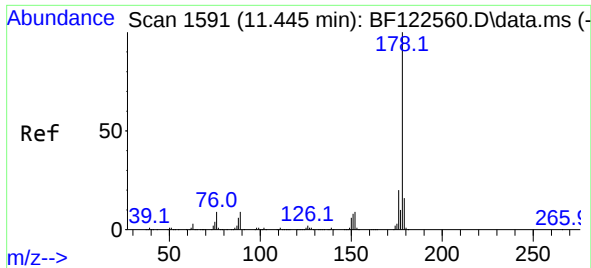
Tgt Ion:248 Resp: 19281
Ion Ratio Lower Upper
248 100
250 204.7 76.8 115.2#
141 451.5 59.8 89.8#



#71
Phenanthrene
Concen: 148.40 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:178 Resp: 4015616
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.2
179 16.7 12.7 19.1



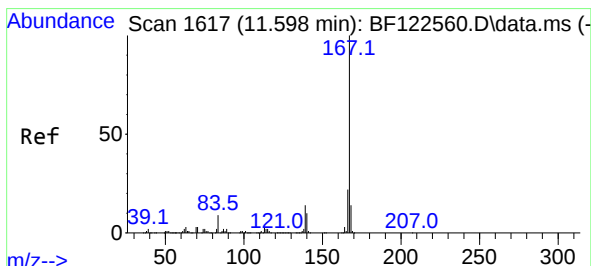
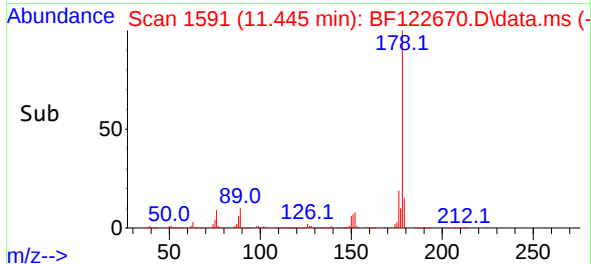
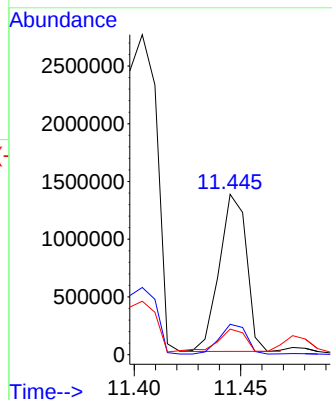
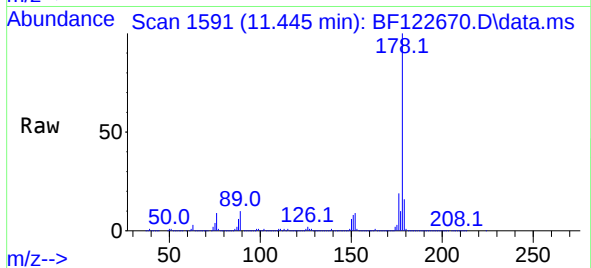


#72
 Anthracene
 Concen: 45.28 ng
 RT: 11.445 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF122670.D
 Acq: 11 Dec 2020 18:46

Instrument :
 BNA_F
 ClientSampled :
 DUP

Tgt Ion:178 Resp: 1214960

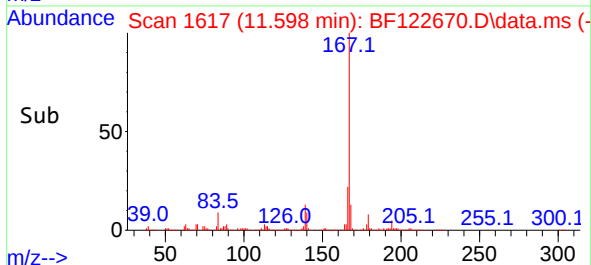
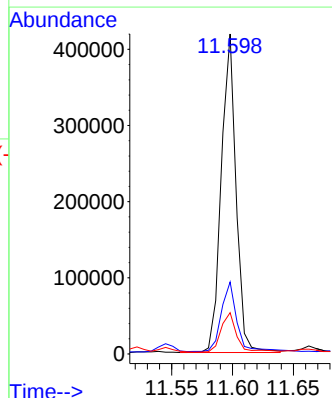
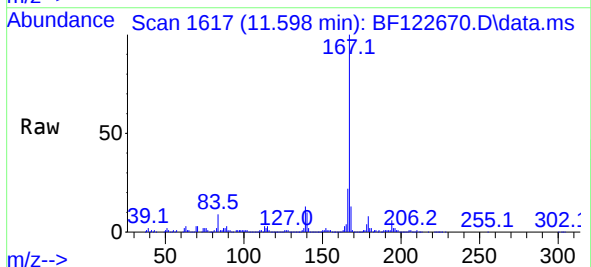
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.0	12.8	19.2

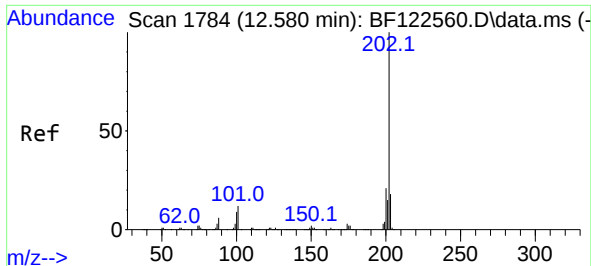


#73
 Carbazole
 Concen: 14.59 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF122670.D
 Acq: 11 Dec 2020 18:46

Tgt Ion:167 Resp: 355019

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	12.9	10.9	16.3

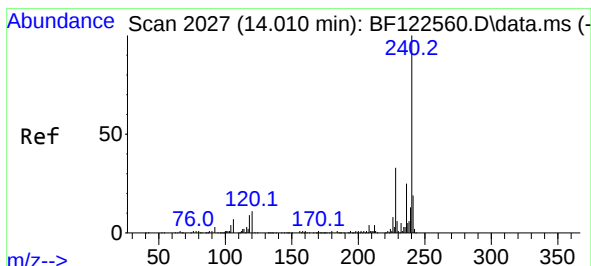
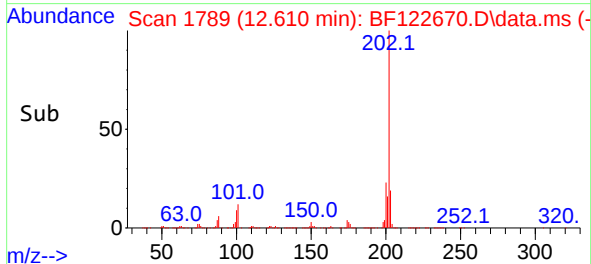
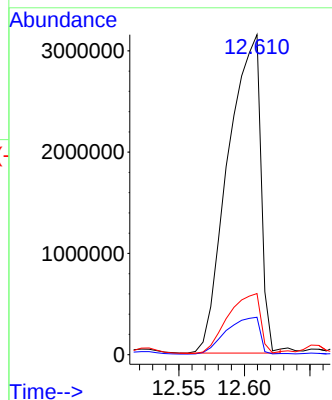
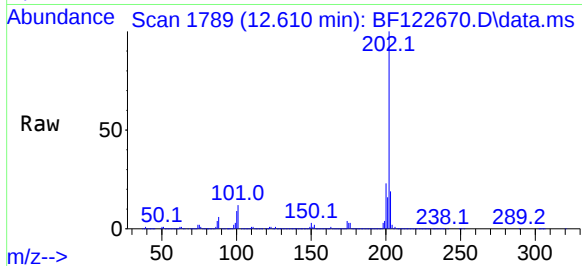




#75
Fluoranthene
Concen: 191.49 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.029 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

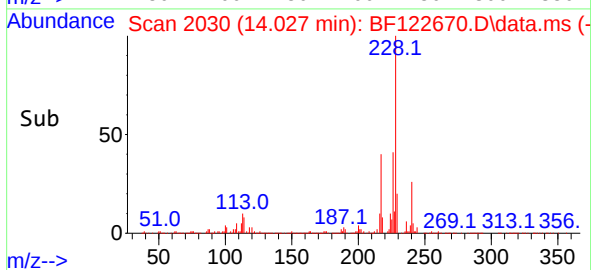
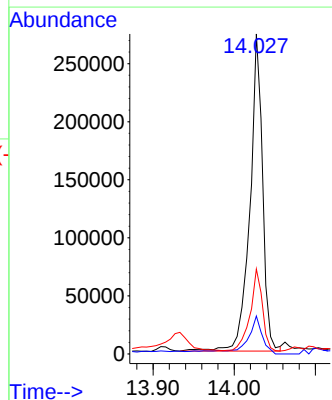
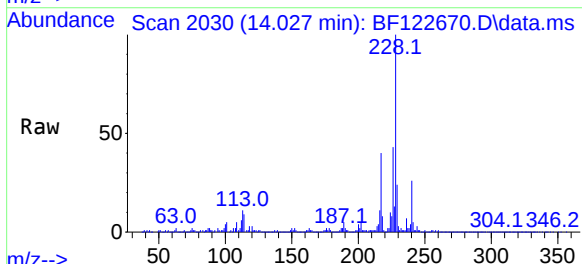
Instrument :
BNA_F
ClientSampleID :
DUP

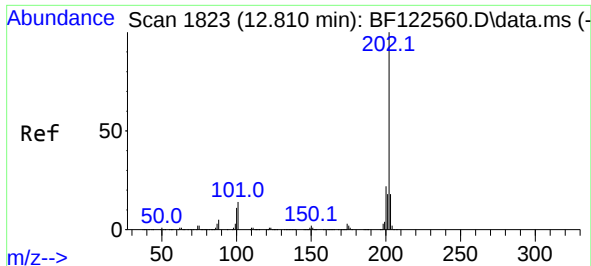
Tgt Ion:202 Resp: 5433926
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.2
203 19.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.017 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:240 Resp: 298388
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.5 20.3 30.5



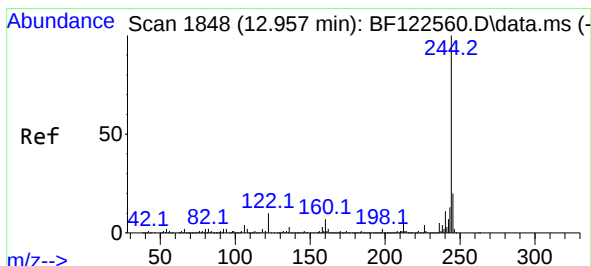
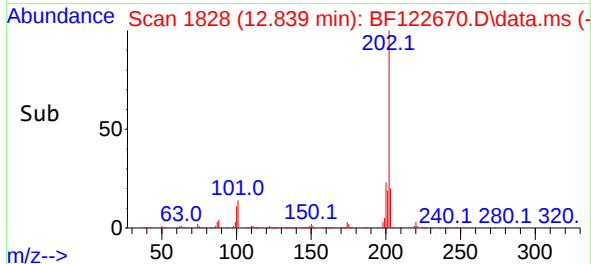
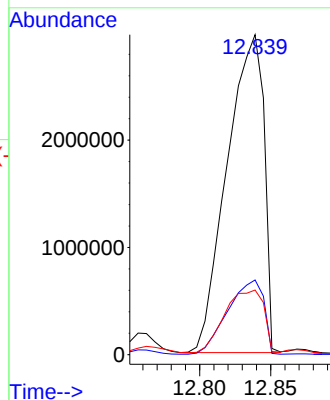
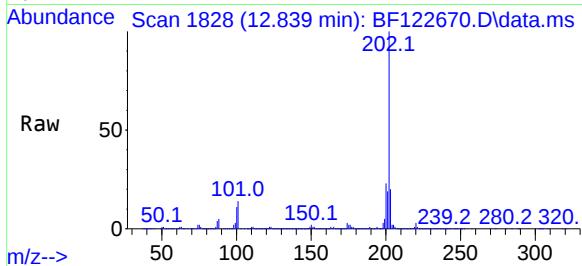


#78
Pyrene
Concen: 231.82 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.029 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion:202 Resp: 5348238

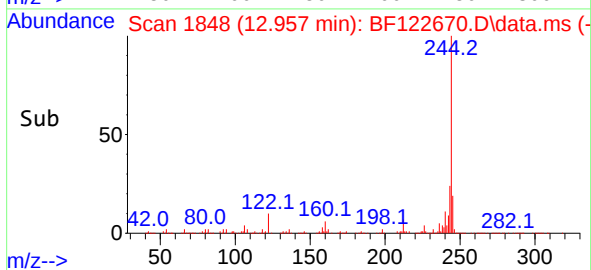
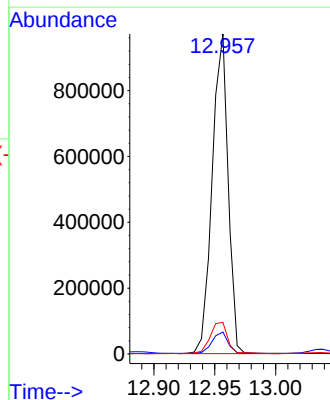
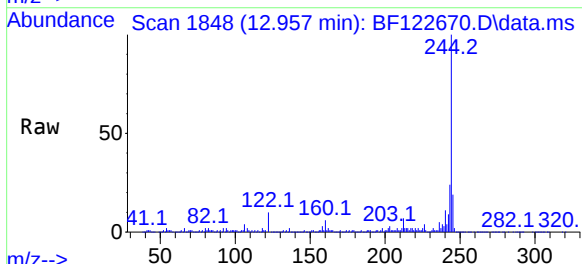
Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.6	26.4
203	20.2	14.6	21.8

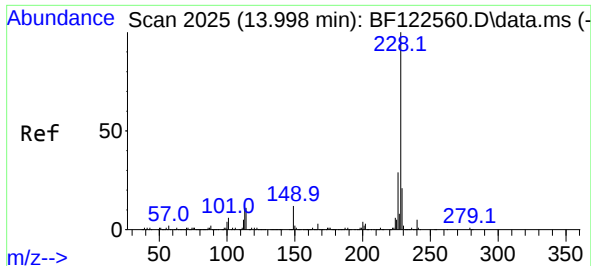


#79
Terphenyl-d14
Concen: 51.68 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:244 Resp: 880898

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.9	8.3	12.5

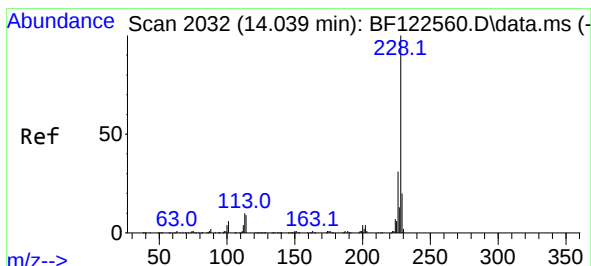
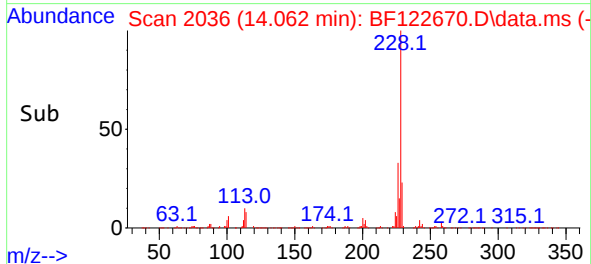
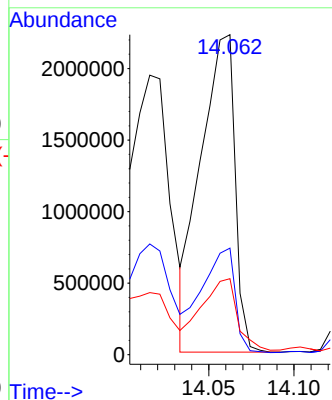
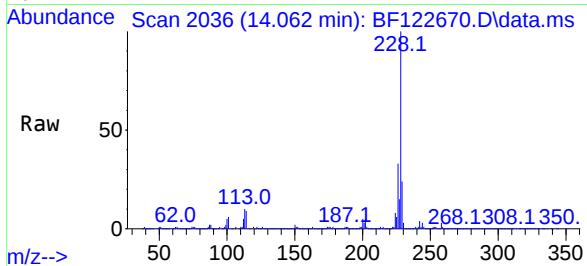




#81
Benzo(a)anthracene
Concen: 156.42 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.065 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

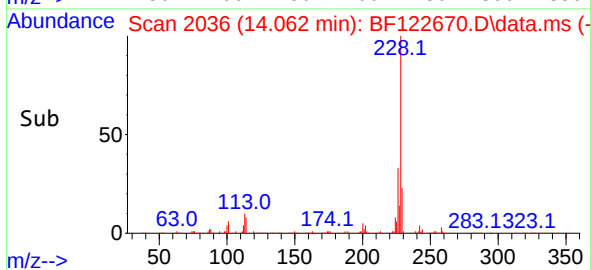
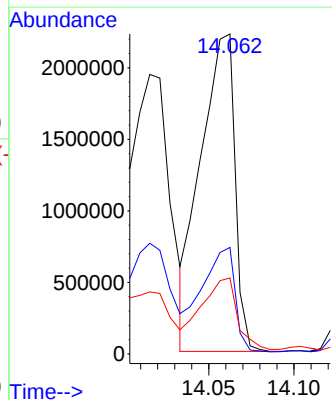
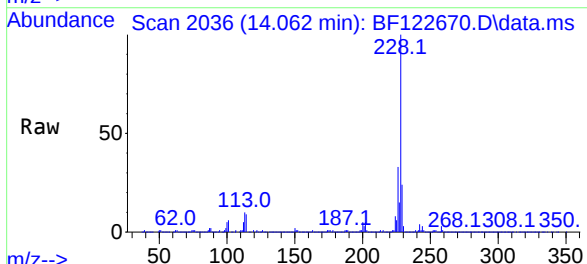
Instrument :
BNA_F
ClientSampleId :
DUP

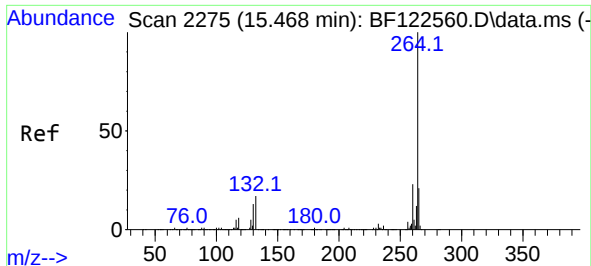
Tgt Ion:228 Resp: 3119246
Ion Ratio Lower Upper
228 100
226 33.3 23.0 34.4
229 23.8 16.6 24.8



#83
Chrysene
Concen: 157.18 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.023 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:228 Resp: 3119246
Ion Ratio Lower Upper
228 100
226 33.3 24.6 36.8
229 23.8 15.8 23.6#

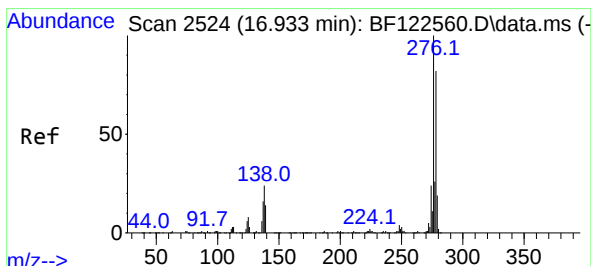
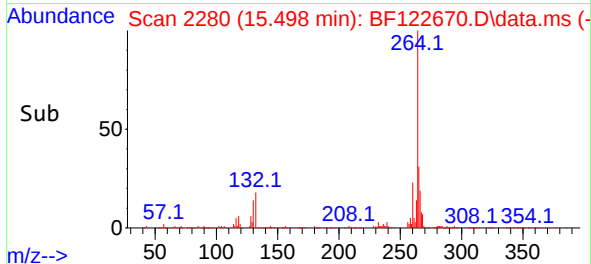
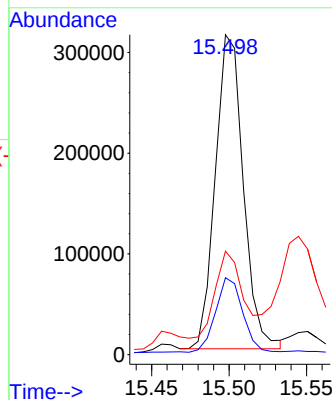
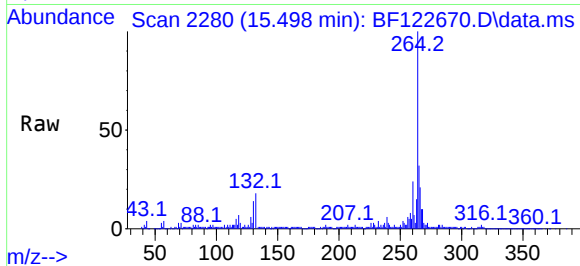




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.029 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

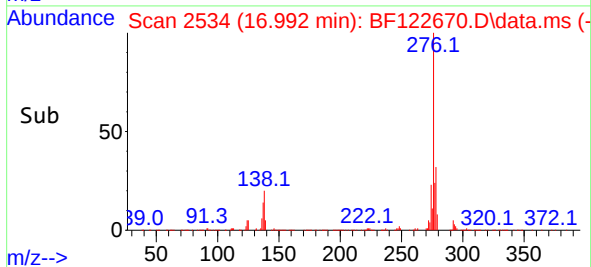
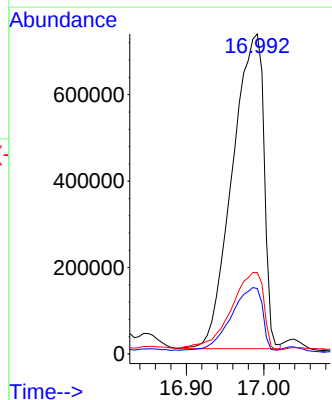
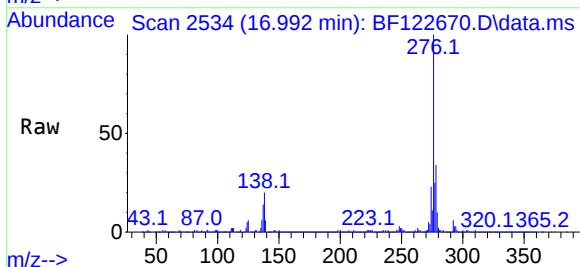
Instrument :
BNA_F
ClientSampleId :
DUP

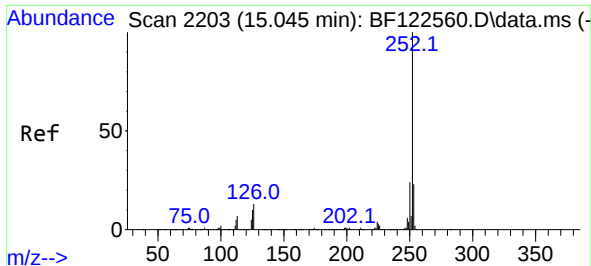
Tgt Ion:264 Resp: 392138
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 32.3 17.0 25.6#



#87
Indeno(1,2,3-cd)pyrene
Concen: 79.84 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.059 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:276 Resp: 2055034
Ion Ratio Lower Upper
276 100
138 20.0 18.7 28.1
277 25.8 20.2 30.4

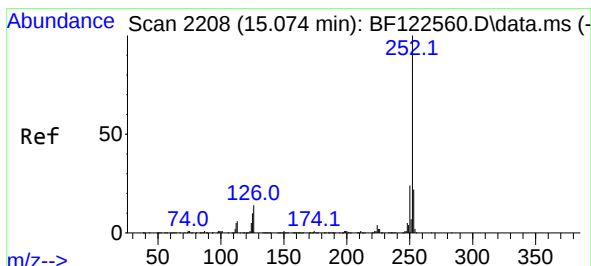
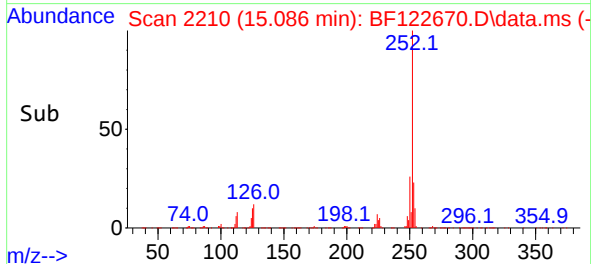
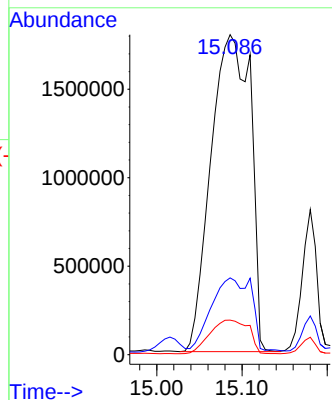
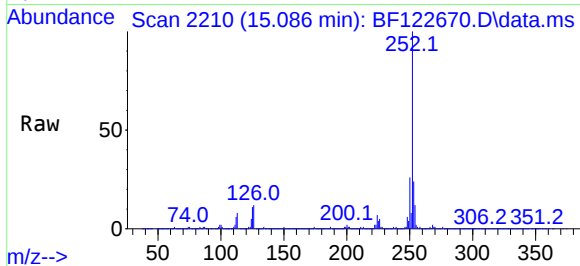




#88
Benzo(b)fluoranthene
Concen: 210.03 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.041 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

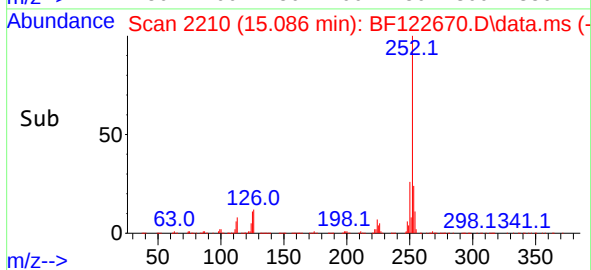
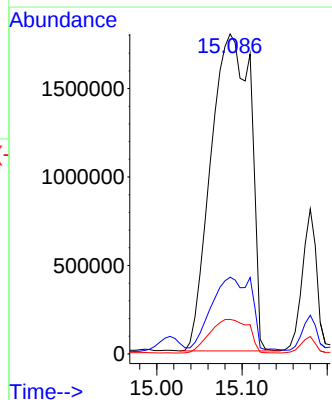
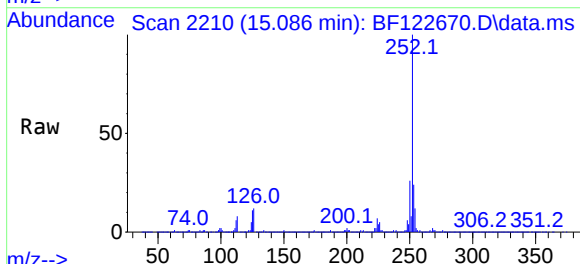
Instrument :
BNA_F
ClientSampleId :
DUP

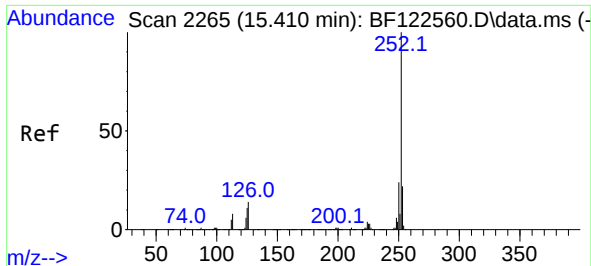
Tgt Ion:252 Resp: 5778633
Ion Ratio Lower Upper
252 100
253 24.0 18.3 27.5
125 10.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 229.71 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

Tgt Ion:252 Resp: 5778633
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 10.8 8.4 12.6

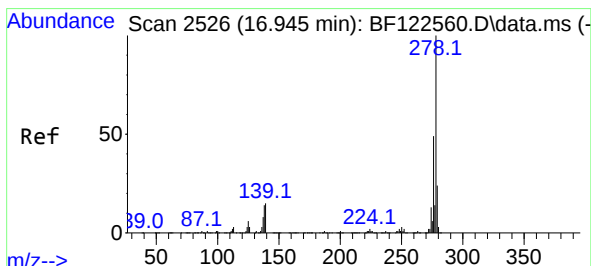
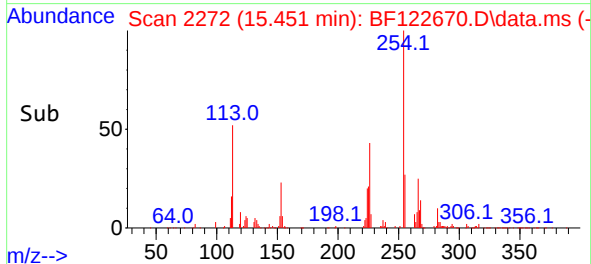
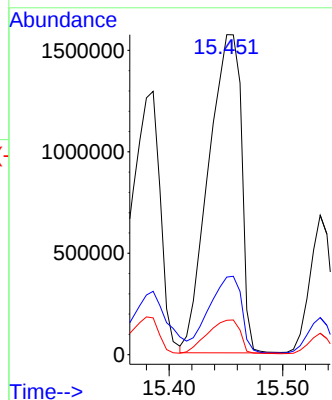
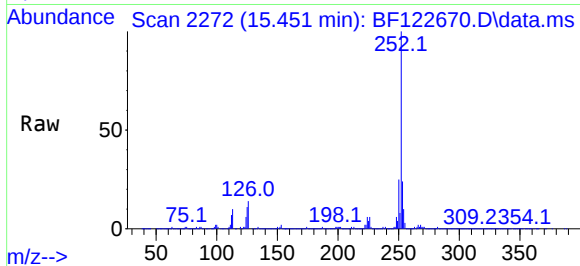




#90
Benzo(a)pyrene
Concen: 130.74 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.041 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

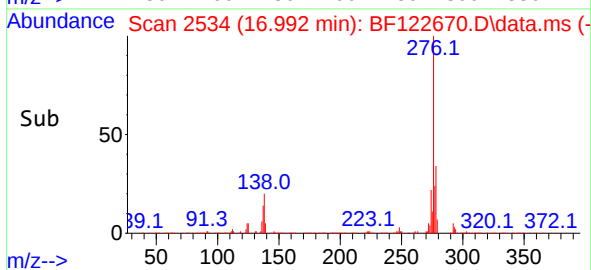
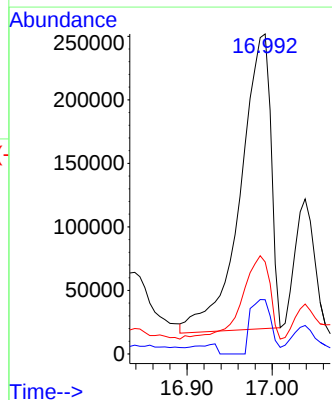
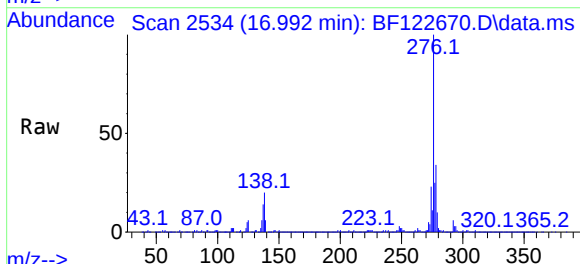
Instrument :
BNA_F
ClientSampleId :
DUP

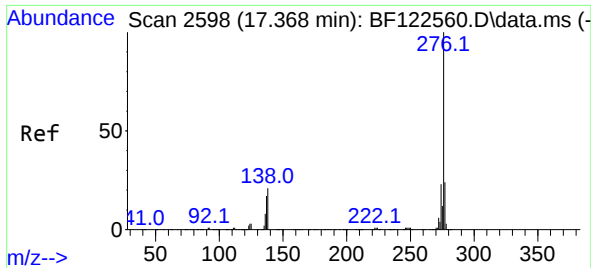
Tgt Ion:252 Resp: 3147097
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 10.8 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 27.27 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.047 min
Lab File: BF122670.D
Acq: 11 Dec 2020 18:46

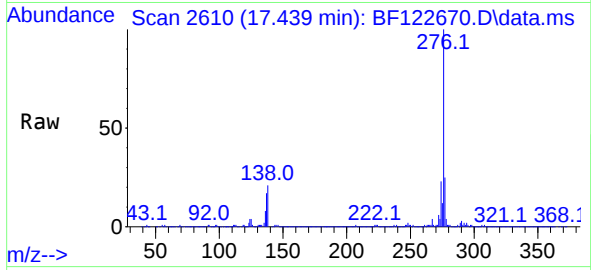
Tgt Ion:278 Resp: 574519
Ion Ratio Lower Upper
278 100
139 17.0 12.0 18.0
279 28.8 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 91.69 ng
 RT: 17.439 min Scan# 2610
 Delta R.T. 0.070 min
 Lab File: BF122670.D
 Acq: 11 Dec 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 DUP



Tgt Ion:276 Resp: 1869572

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.3	28.9
138	20.6	16.6	24.8

