

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122669.D
 Acq On : 11 Dec 2020 18:14
 Operator : JU/CG
 Sample : L5035-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-7

Quant Time: Dec 12 02:24:24 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)

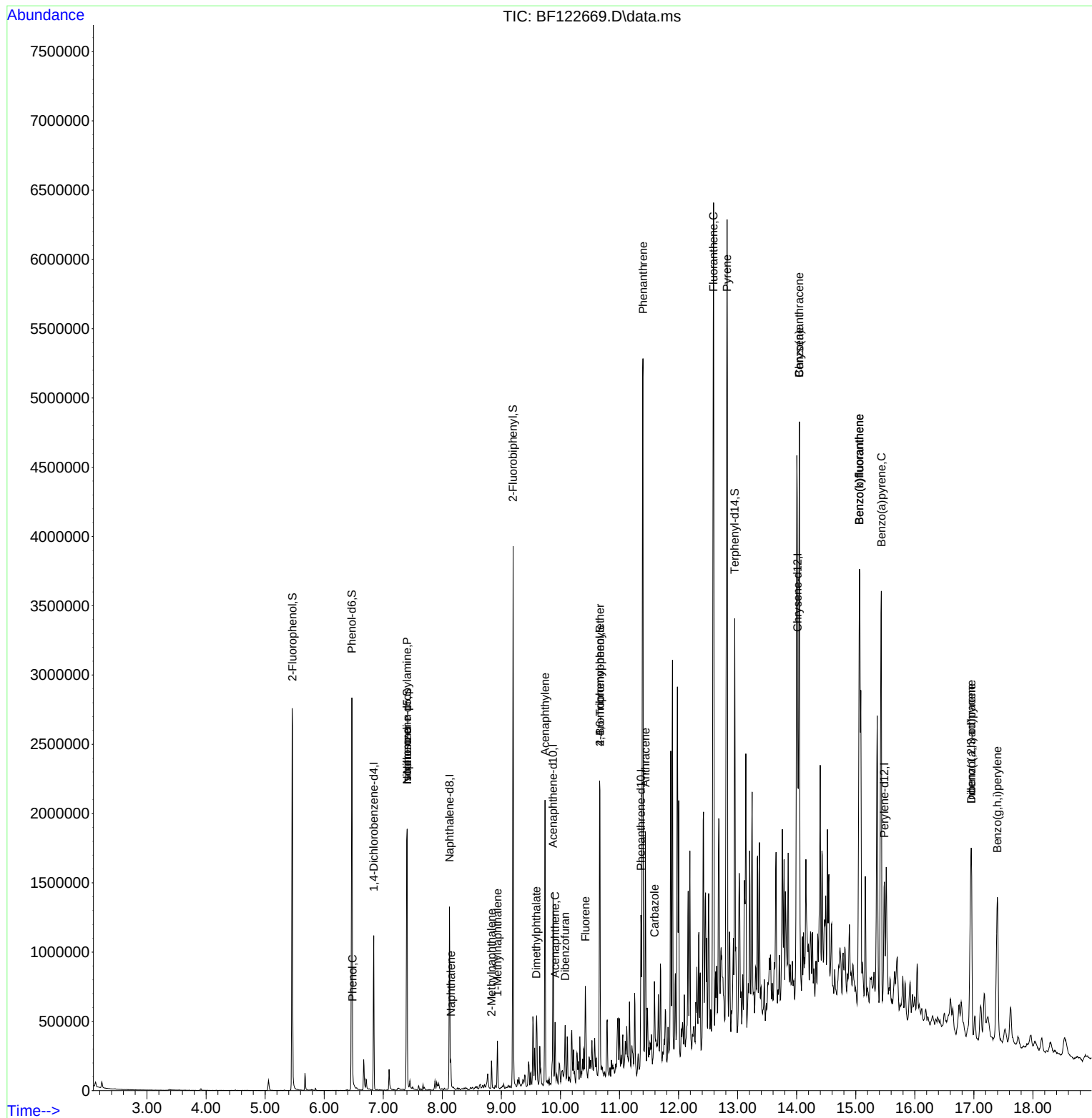
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	155294	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	594960	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	297172	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	468491	20.00	ng	0.00
76) Chrysene-d12	14.015	240	325054	20.00	ng	0.00
86) Perylene-d12	15.486	264	406609	20.00	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	894487	91.19	ng	0.00
7) Phenol-d6	6.469	99	1094150	84.11	ng	-0.01
23) Nitrobenzene-d5	7.404	82	683294	57.54	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	288402	74.14	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1173191	53.40	ng	0.00
79) Terphenyl-d14	12.951	244	898361	48.38	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.481	94	29971	2.22	ng	92
19) n-Nitroso-di-n-propyla...	7.404	70	91841	12.32	ng	# 76
25) Isophorone	7.404	82	680912	33.29	ng	# 65
31) Naphthalene	8.145	128	80187	2.44	ng	99
37) 2-Methylnaphthalene	8.833	142	54004	2.49	ng	96
38) 1-Methylnaphthalene	8.933	142	87395	4.25	ng	100
49) Acenaphthylene	9.739	152	788595	26.13	ng	99
50) Dimethylphthalate	9.592	163	124372	5.24	ng	100
52) Acenaphthene	9.910	154	85953	4.40	ng	97
55) Dibenzofuran	10.080	168	62463	2.27	ng	# 89
58) Fluorene	10.422	166	200295	9.17	ng	99
67) 4-Bromophenyl-phenylether	10.669	248	17635	2.78	ng	# 1
71) Phenanthrene	11.398	178	2320767	83.35	ng	100
72) Anthracene	11.439	178	589290	21.34	ng	98
73) Carbazole	11.592	167	195780	7.82	ng	99
75) Fluoranthene	12.592	202	3097289	106.08	ng	99
78) Pyrene	12.821	202	3086054	122.79	ng	98
81) Benzo(a)anthracene	14.045	228	1708991	78.67	ng	94
83) Chrysene	14.045	228	1708991	79.05	ng	96
87) Indeno(1,2,3-cd)pyrene	16.956	276	1002496	37.56	ng	97
88) Benzo(b)fluoranthene	15.062	252	2909752	101.99	ng	98
89) Benzo(k)fluoranthene	15.062	252	2909752	111.55	ng	98
90) Benzo(a)pyrene	15.433	252	1594269	63.88	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	273004	12.50	ng	92
92) Benzo(g,h,i)perylene	17.398	276	934909	44.22	ng	100

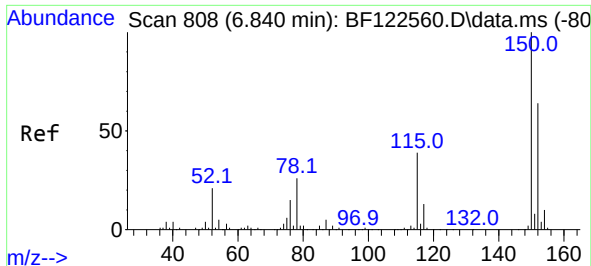
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 12:08:49 2020
Response via : Initial Calibration

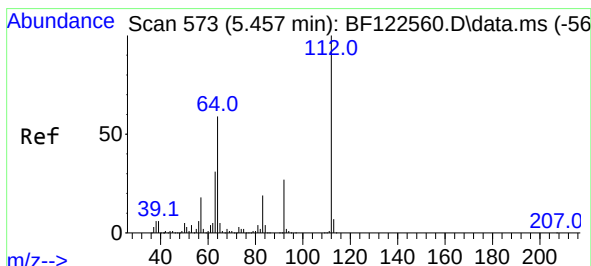
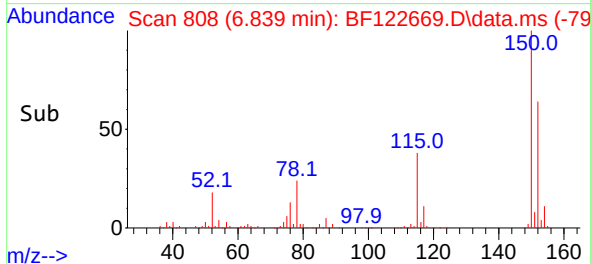
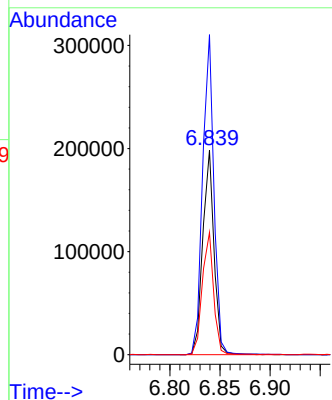
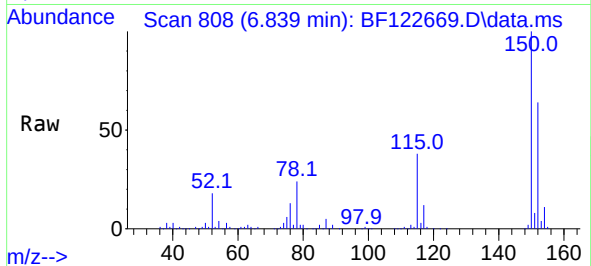




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

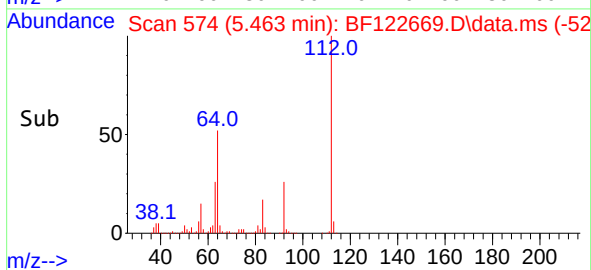
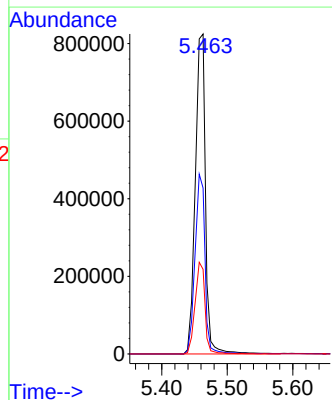
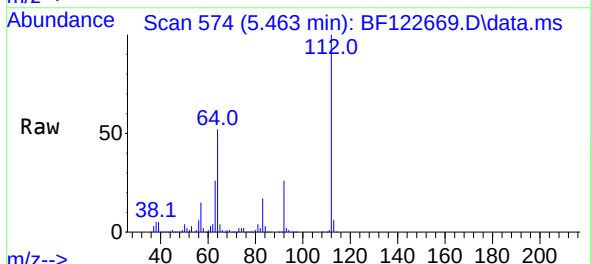
Instrument :
BNA_F
ClientSampleId :
PE-7

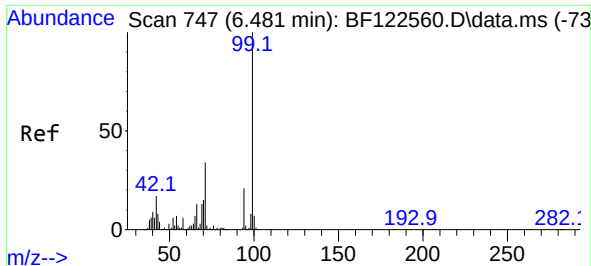
Tgt Ion:152 Resp: 155294
Ion Ratio Lower Upper
152 100
150 156.5 125.8 188.6
115 59.8 49.3 73.9



#5
2-Fluorophenol
Concen: 91.19 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:112 Resp: 894487
Ion Ratio Lower Upper
112 100
64 51.9 46.9 70.3
63 26.4 24.5 36.7

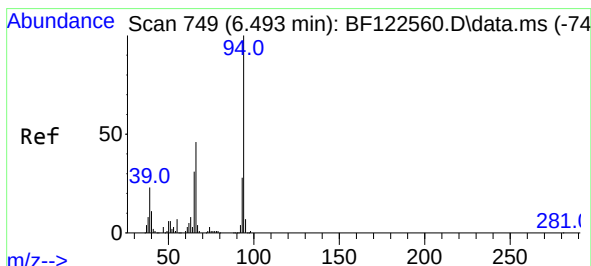
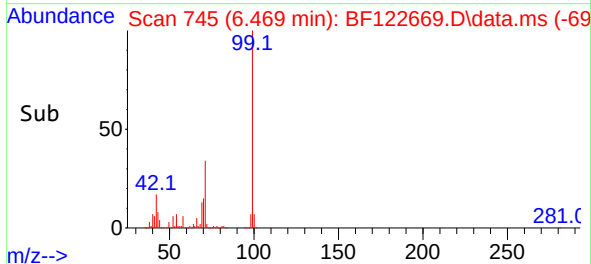
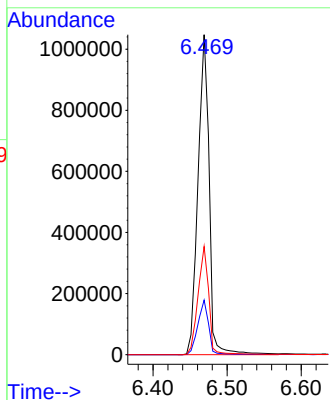
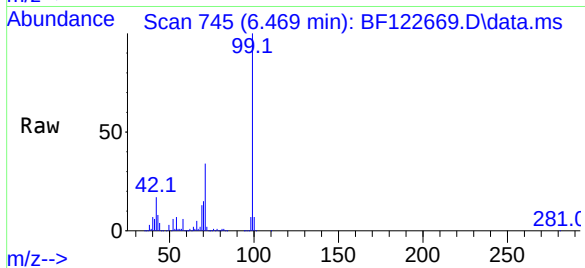




#7
Phenol-d6
Concen: 84.11 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

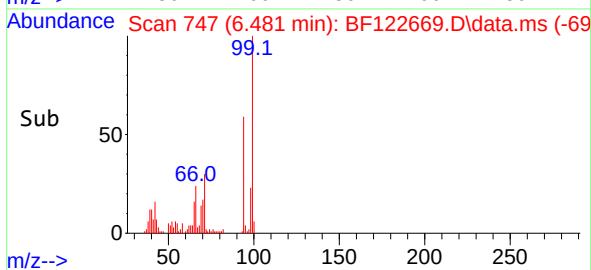
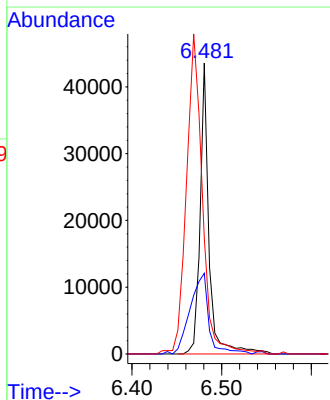
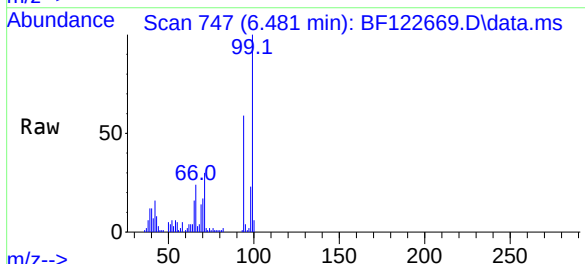
Instrument :
BNA_F
ClientSampleId :
PE-7

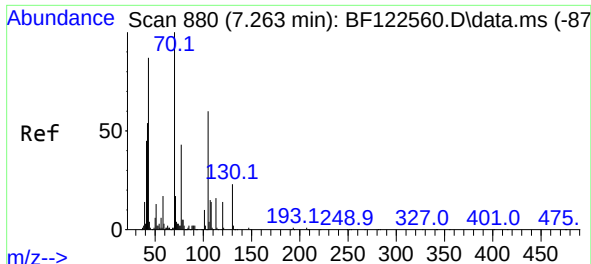
Tgt Ion: 99 Resp: 1094150
Ion Ratio Lower Upper
99 100
42 17.0 13.8 20.6
71 33.8 26.9 40.3



#10
Phenol
Concen: 2.22 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion: 94 Resp: 29971
Ion Ratio Lower Upper
94 100
65 27.7 11.2 51.2
66 39.9 25.8 65.8



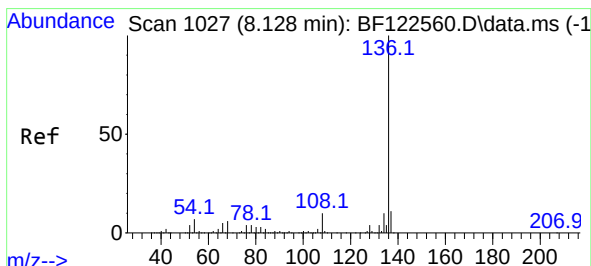
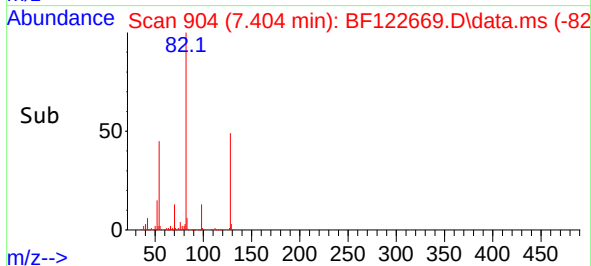
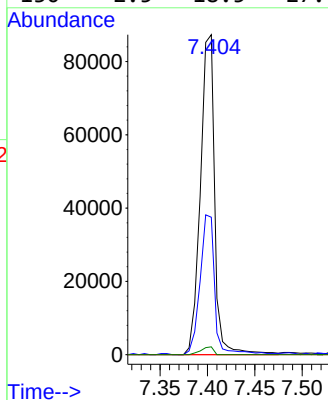
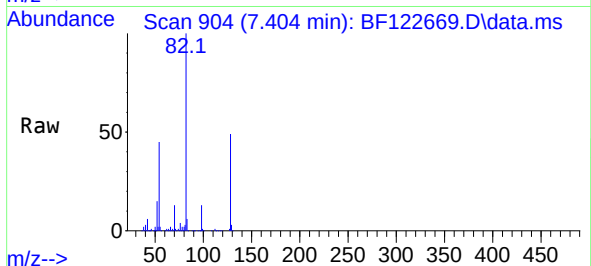


#19
n-Nitroso-di-n-propylamine
Concen: 12.32 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Instrument :
BNA_F
ClientSampled :
PE-7

Tgt Ion: 70 Resp: 91841

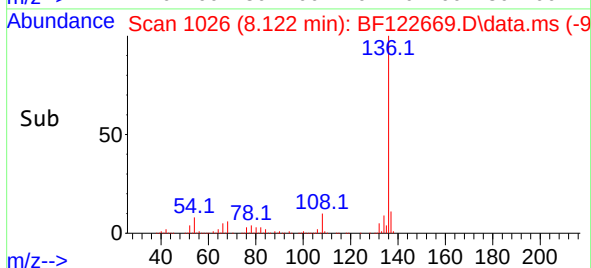
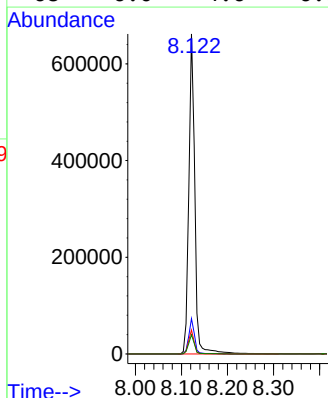
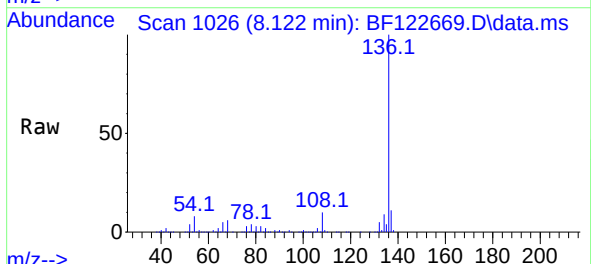
Ion	Ratio	Lower	Upper
70	100		
42	42.9	43.0	64.4#
101	0.0	7.9	11.9#
130	2.5	18.5	27.7#

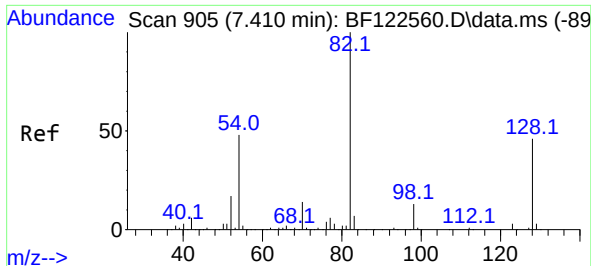


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion: 136 Resp: 594960

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	5.5	8.3
68	6.0	4.6	6.8

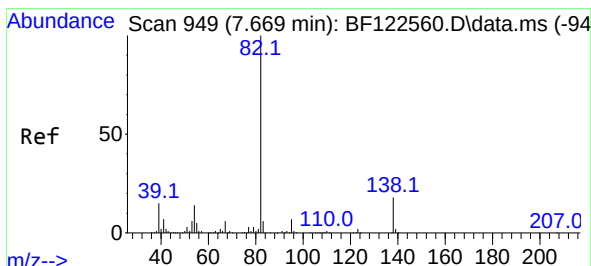
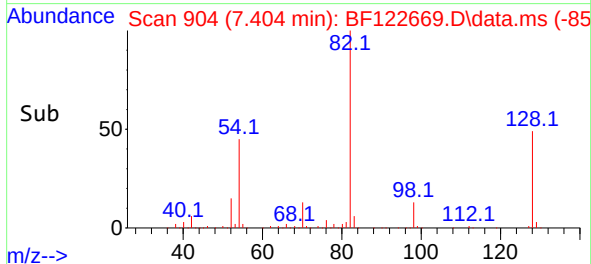
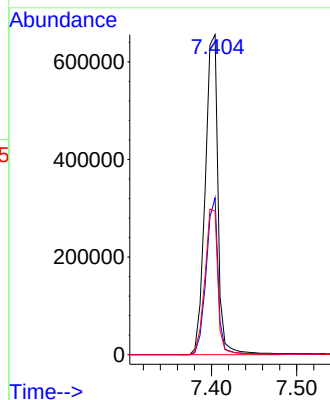
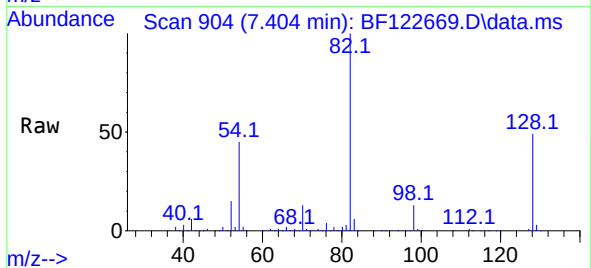




#23
Nitrobenzene-d5
Concen: 57.54 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

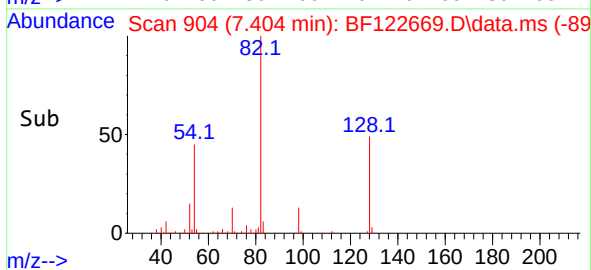
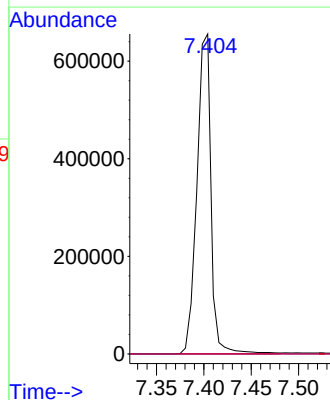
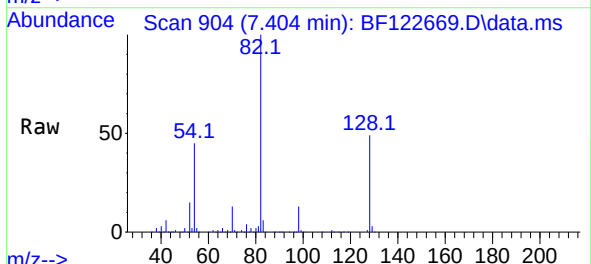
Instrument :
BNA_F
ClientSampleId :
PE-7

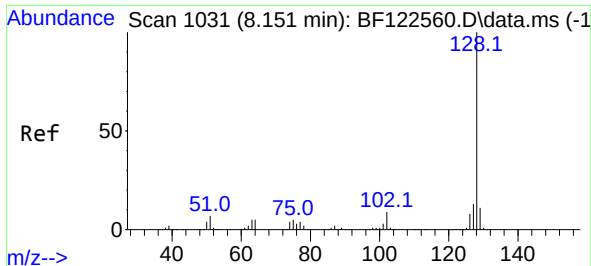
Tgt Ion: 82 Resp: 683294
Ion Ratio Lower Upper
82 100
128 49.0 37.0 55.4
54 44.9 38.4 57.6



#25
Isophorone
Concen: 33.29 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion: 82 Resp: 680912
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

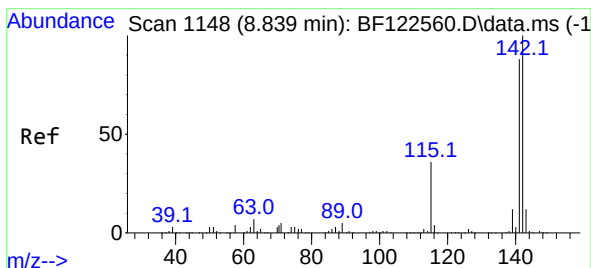
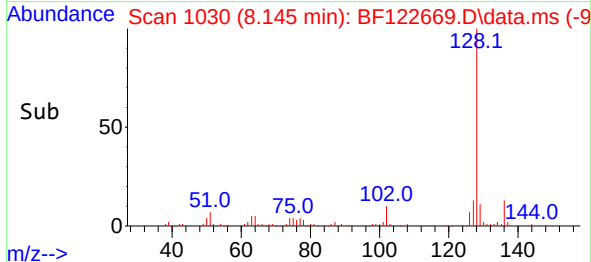
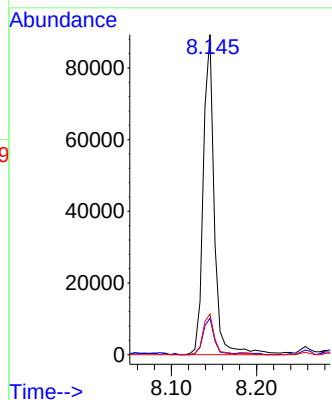
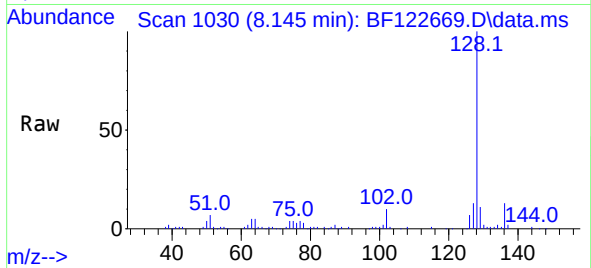




#31
Naphthalene
Concen: 2.44 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

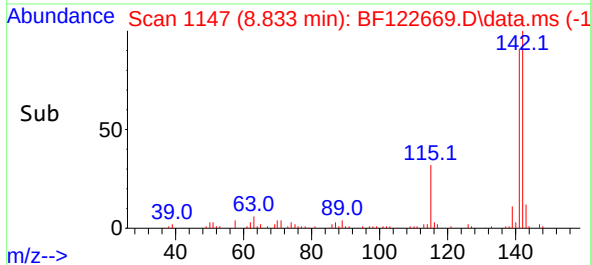
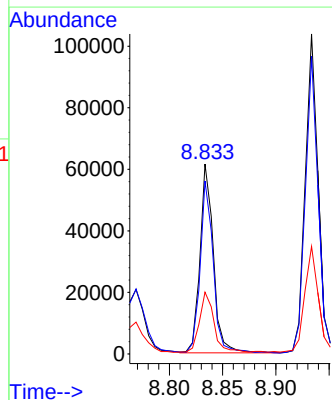
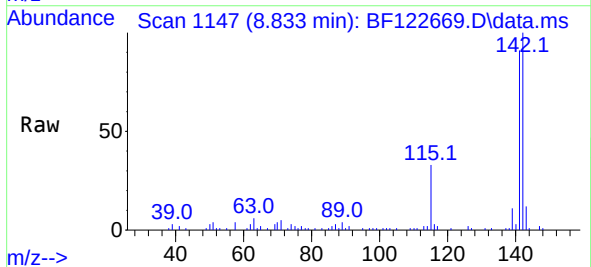
Instrument :
BNA_F
ClientSampled :
PE-7

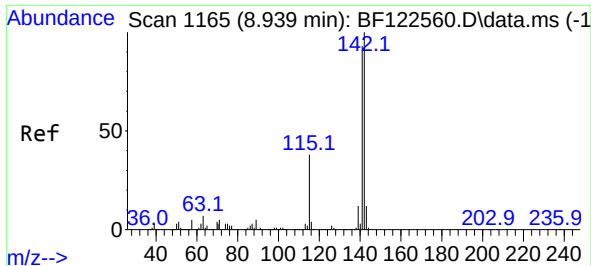
Tgt Ion:128 Resp: 80187
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.7 10.7 16.1



#37
2-Methylnaphthalene
Concen: 2.49 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:142 Resp: 54004
Ion Ratio Lower Upper
142 100
141 91.1 70.6 106.0
115 32.5 28.7 43.1

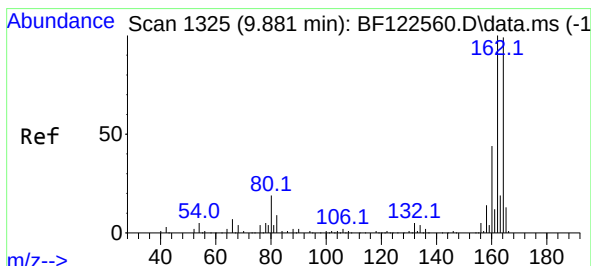
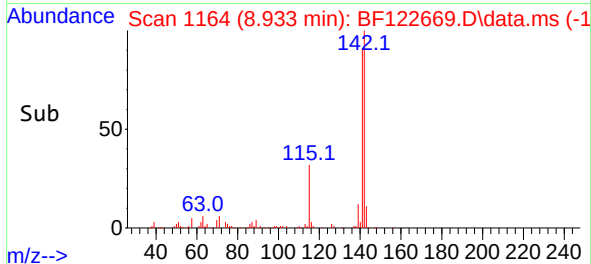
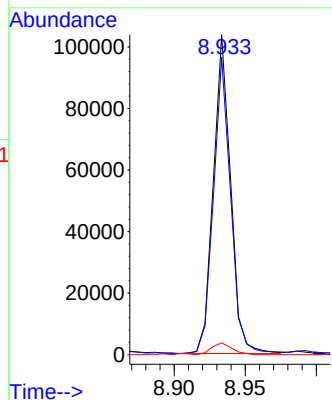
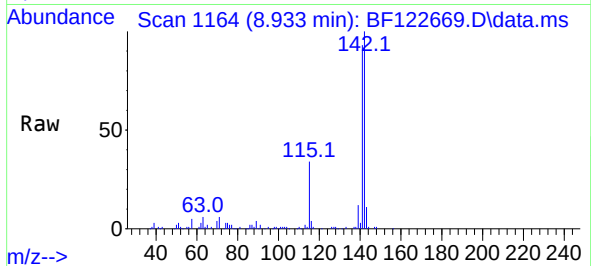




#38
1-Methylnaphthalene
Concen: 4.25 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

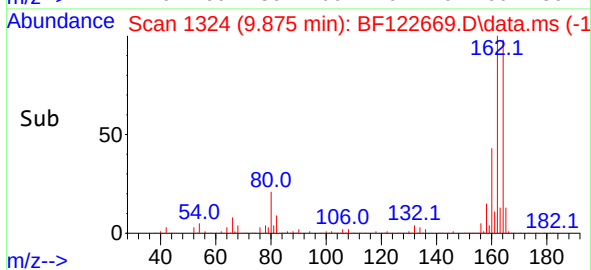
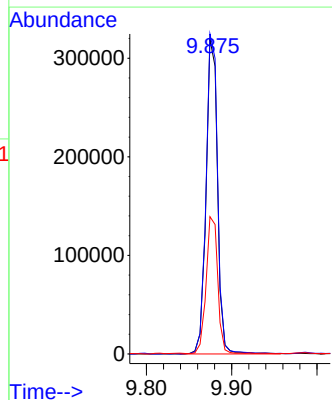
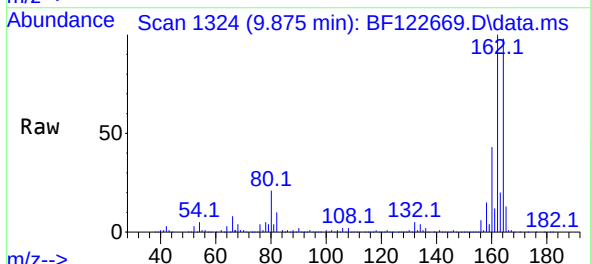
Instrument :
BNA_F
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PE-7

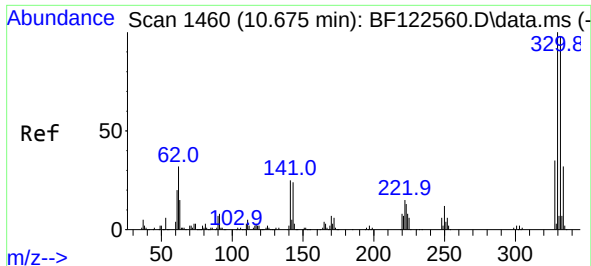
Tgt Ion:	142	Resp:	87395
Ion Ratio	Lower	Upper	
142	100		
141	93.1	74.5	111.7
116	3.7	3.2	4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:	164	Resp:	297172
Ion Ratio	Lower	Upper	
164	100		
162	101.7	80.8	121.2
160	43.6	35.4	53.0

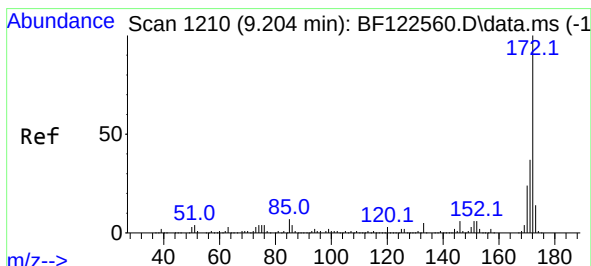
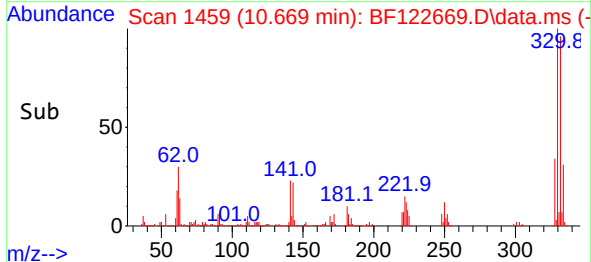
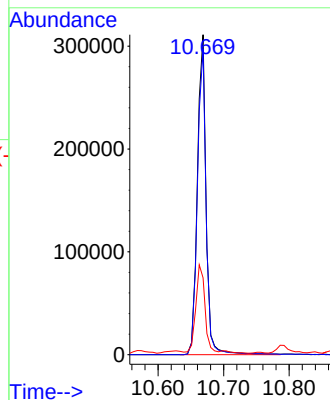
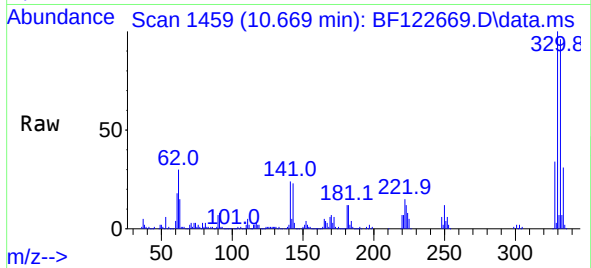




#42
2,4,6-Tribromophenol
Concen: 74.14 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

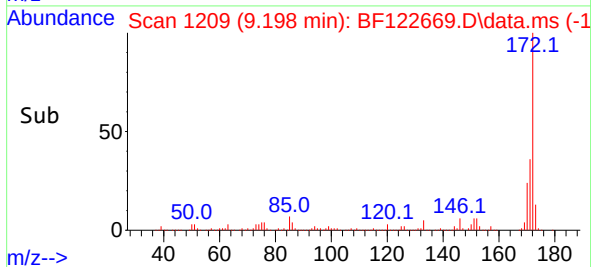
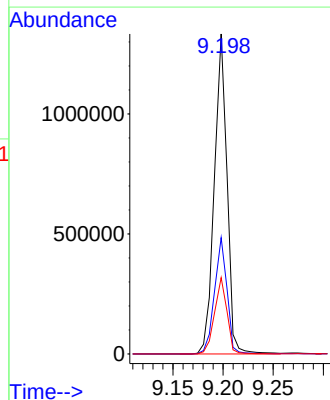
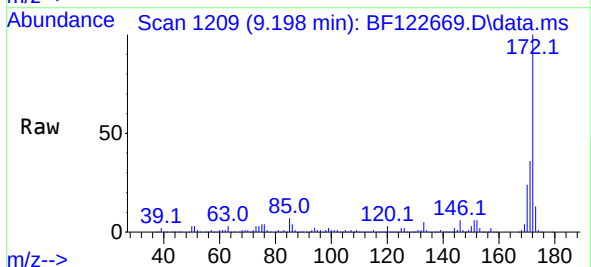
Instrument :
BNA_F
ClientSampled :
PE-7

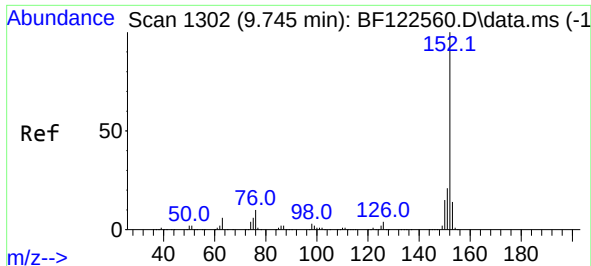
Tgt Ion: 330 Resp: 288402
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 28.0 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 53.40 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion: 172 Resp: 1173191
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.9 19.5 29.3

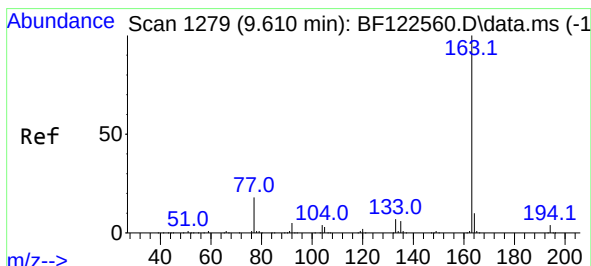
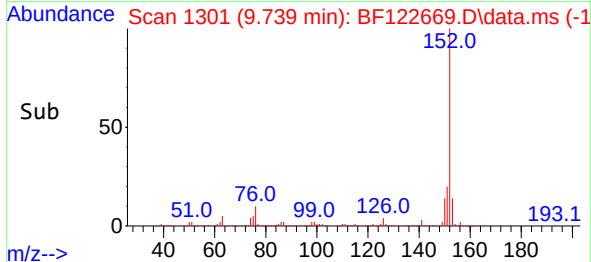
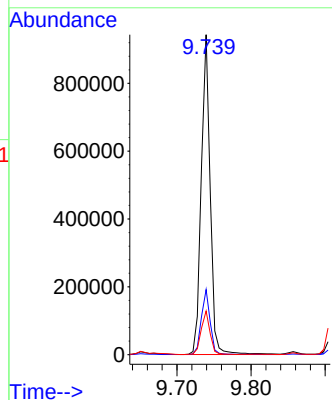
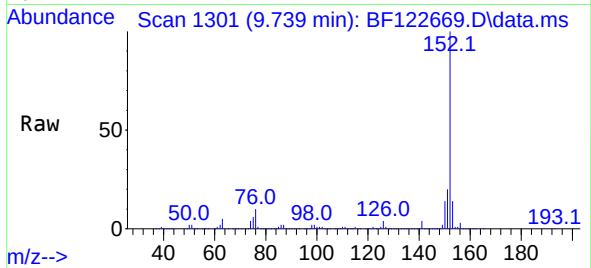




#49
Acenaphthylene
Concen: 26.13 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

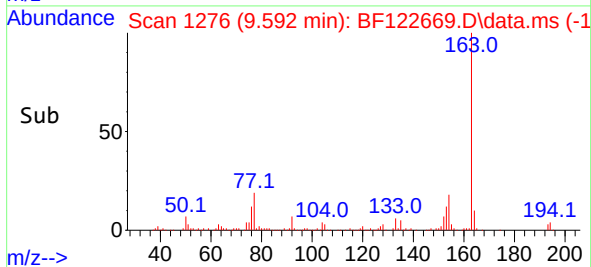
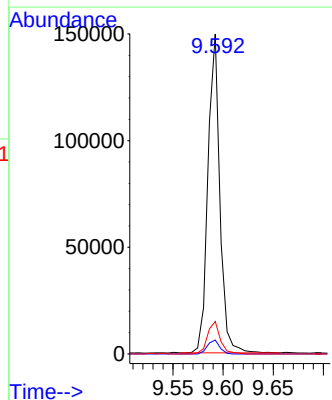
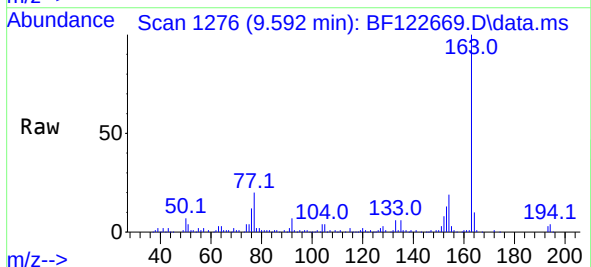
Instrument :
BNA_F
ClientSampleId :
PE-7

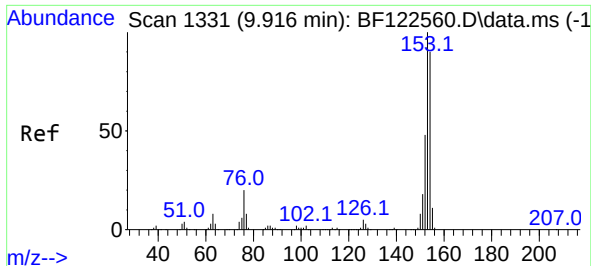
Tgt Ion:152 Resp: 788595
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 13.7 10.9 16.3



#50
Dimethylphthalate
Concen: 5.24 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:163 Resp: 124372
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 10.2 8.1 12.1

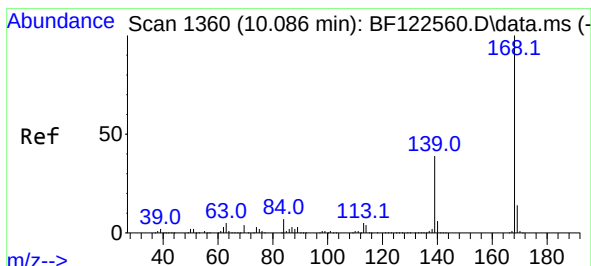
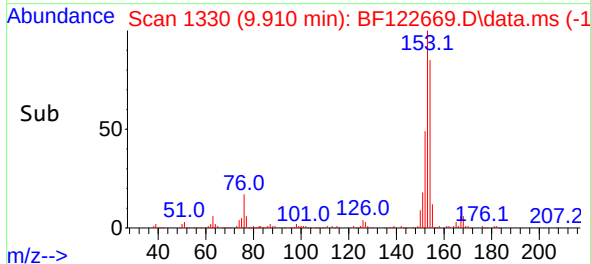
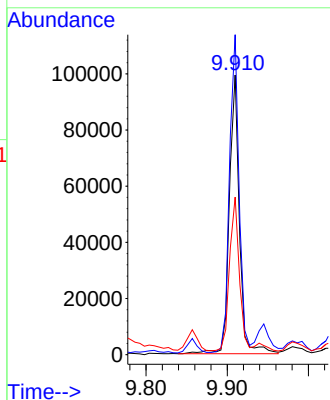
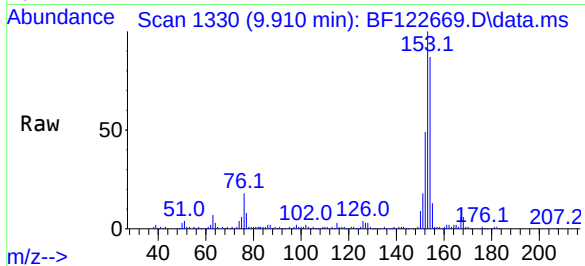




#52
Acenaphthene
Concen: 4.40 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

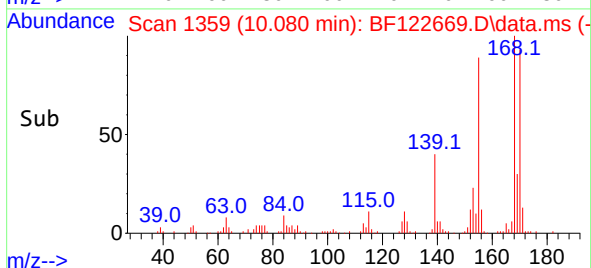
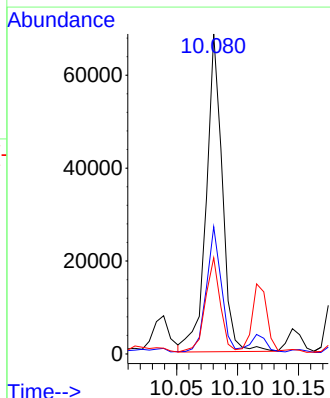
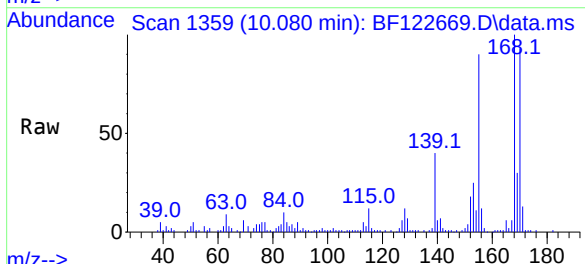
Instrument :
BNA_F
ClientSampleId :
PE-7

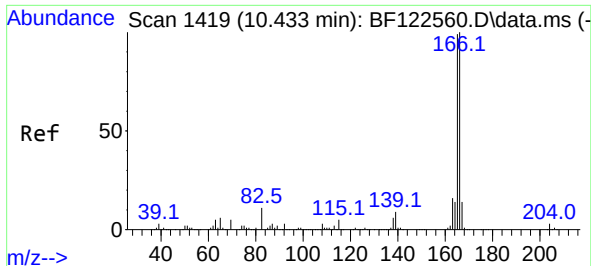
Tgt Ion:154 Resp: 85953
Ion Ratio Lower Upper
154 100
153 114.4 89.0 133.6
152 56.4 42.7 64.1



#55
Dibenzofuran
Concen: 2.27 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:168 Resp: 62463
Ion Ratio Lower Upper
168 100
139 39.8 31.3 46.9
169 30.0 11.2 16.8#

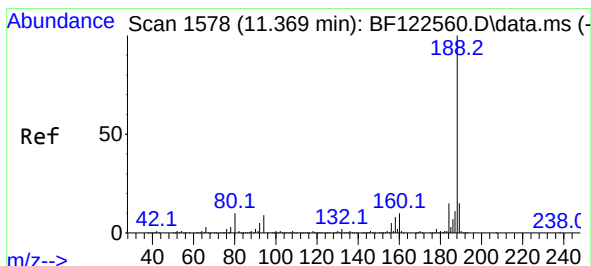
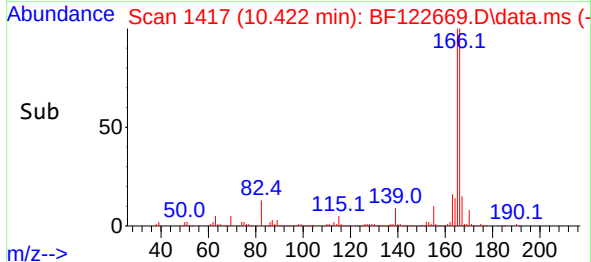
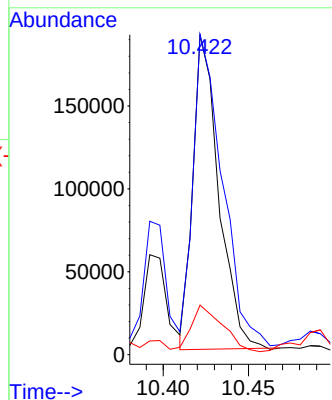
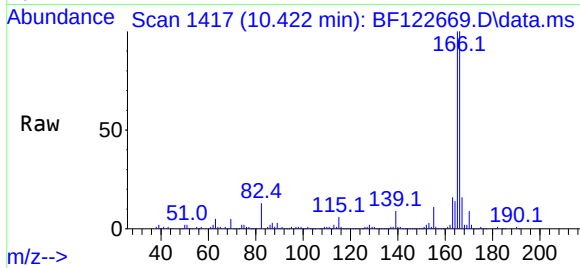




#58
Fluorene
Concen: 9.17 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

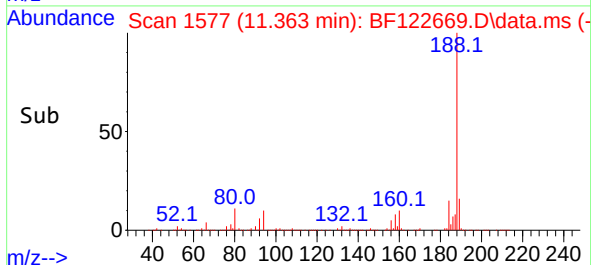
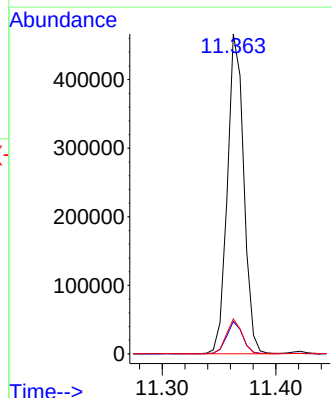
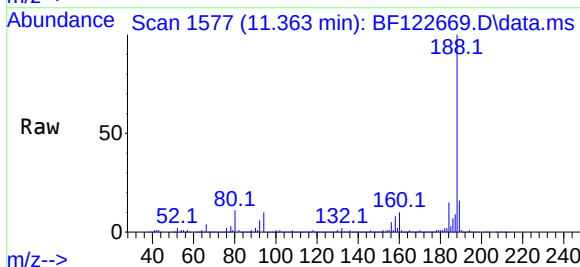
Instrument :
BNA_F
ClientSampled :
PE-7

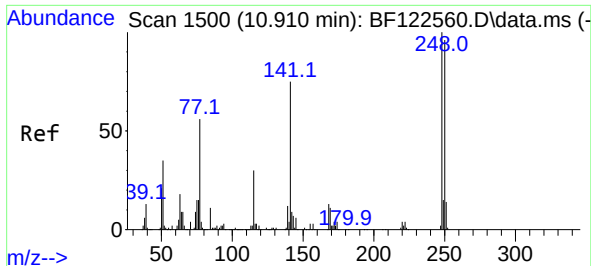
Tgt Ion:166 Resp: 200295
Ion Ratio Lower Upper
166 100
165 100.1 79.4 119.0
167 15.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:188 Resp: 468491
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 10.9 8.2 12.4

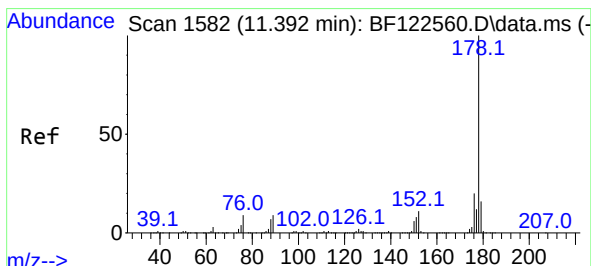
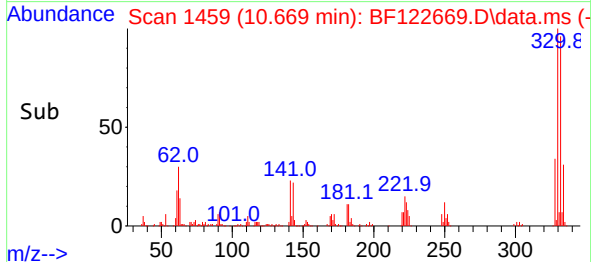
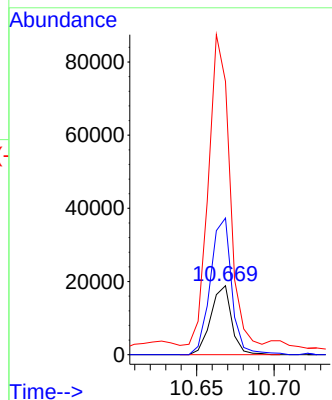
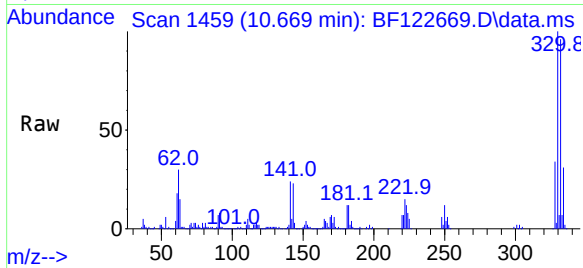




#67
4-Bromophenyl-phenylether
Concen: 2.78 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

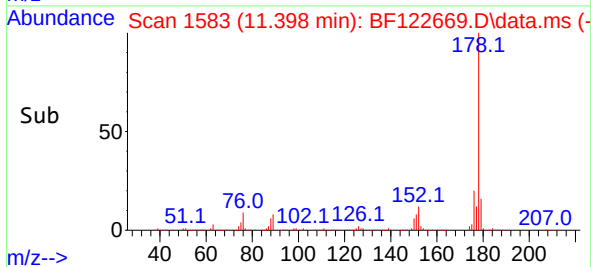
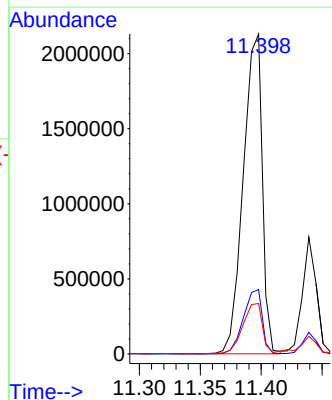
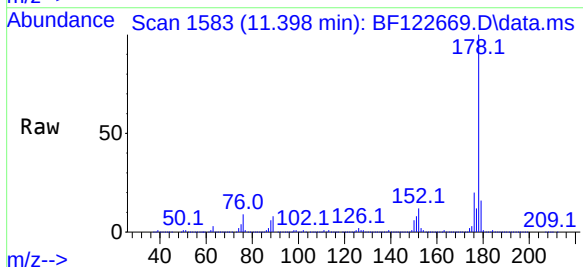
Instrument :
BNA_F
ClientSampled :
PE-7

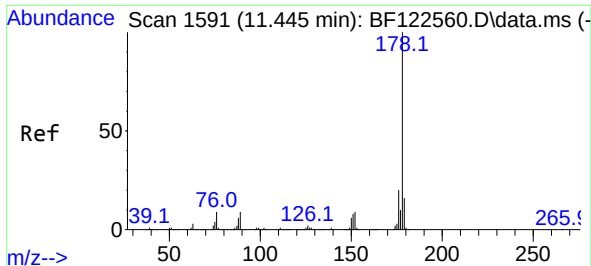
Tgt Ion:248 Resp: 17635
Ion Ratio Lower Upper
248 100
250 198.1 76.8 115.2#
141 396.3 59.8 89.8#



#71
Phenanthrene
Concen: 83.35 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:178 Resp: 2320767
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 15.7 12.7 19.1



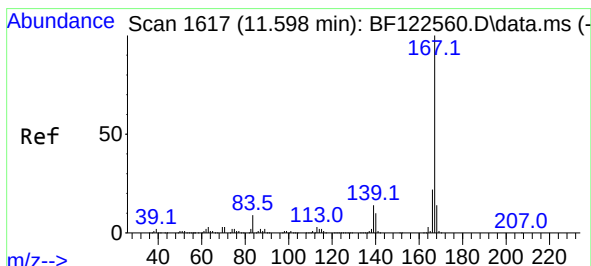
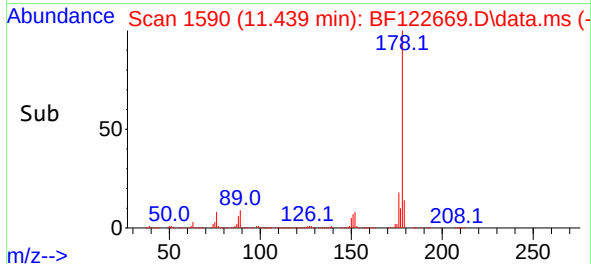
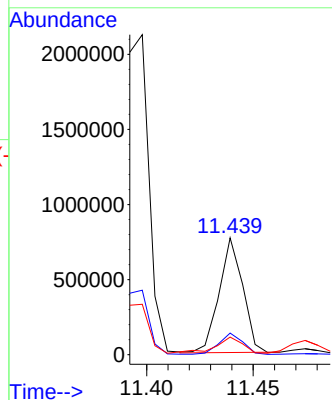
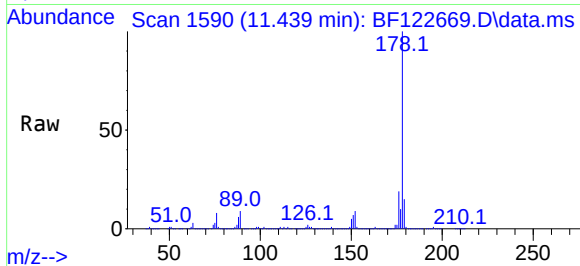


#72
 Anthracene
 Concen: 21.34 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122669.D
 Acq: 11 Dec 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 PE-7

Tgt Ion:178 Resp: 589290

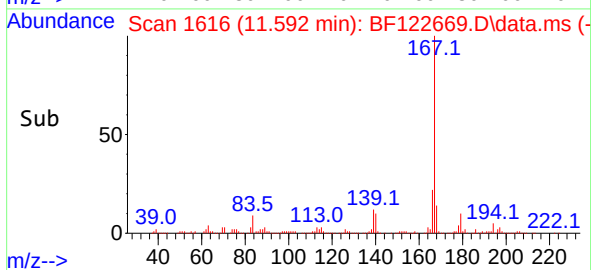
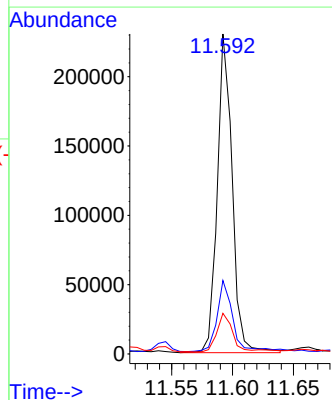
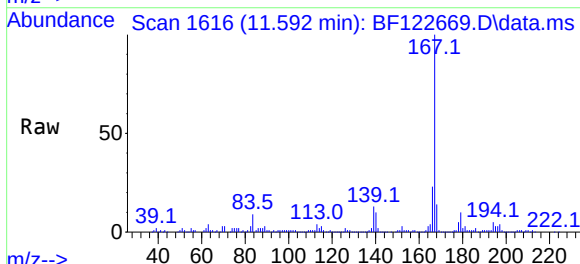
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.1	12.8	19.2

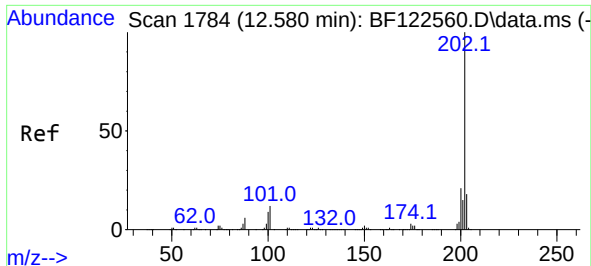


#73
 Carbazole
 Concen: 7.82 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122669.D
 Acq: 11 Dec 2020 18:14

Tgt Ion:167 Resp: 195780

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.0	27.0
139	12.7	10.9	16.3

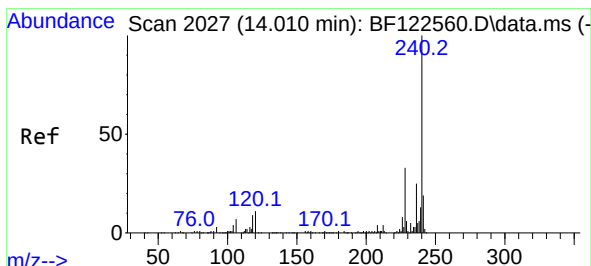
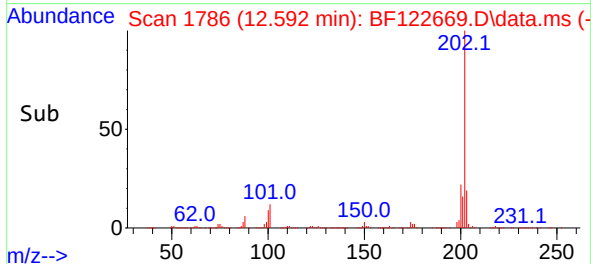
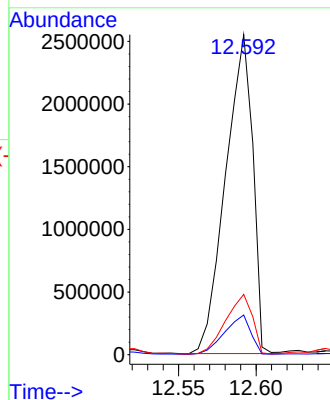
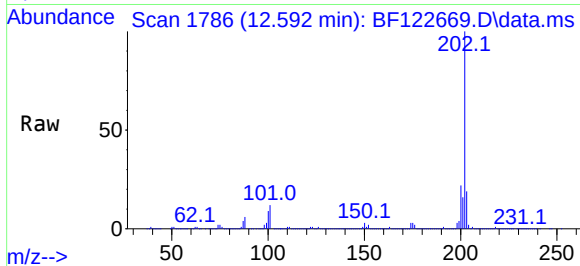




#75
Fluoranthene
Concen: 106.08 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

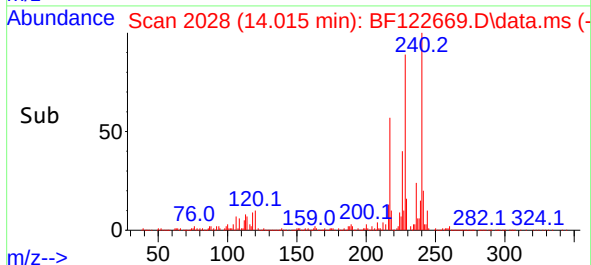
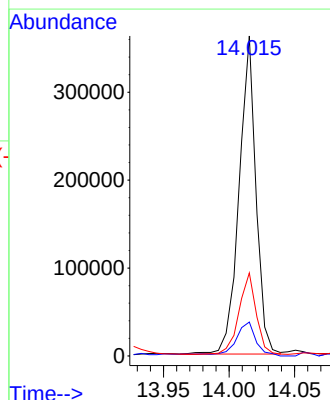
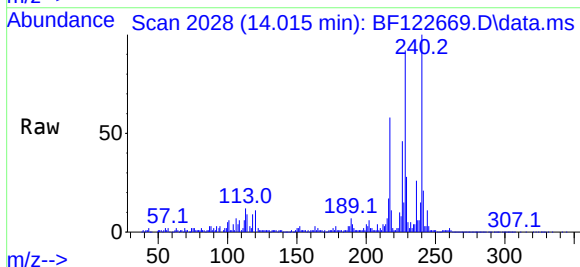
Instrument :
BNA_F
ClientSampled :
PE-7

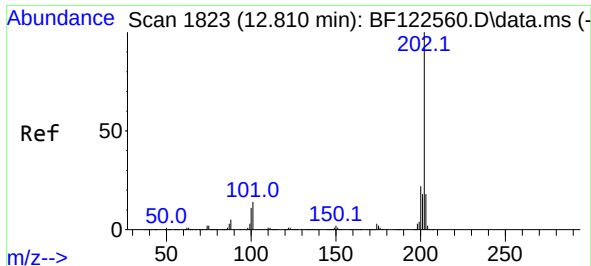
Tgt Ion:202 Resp: 3097289
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.2
203 18.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:240 Resp: 325054
Ion Ratio Lower Upper
240 100
120 10.6 8.6 12.8
236 25.9 20.3 30.5

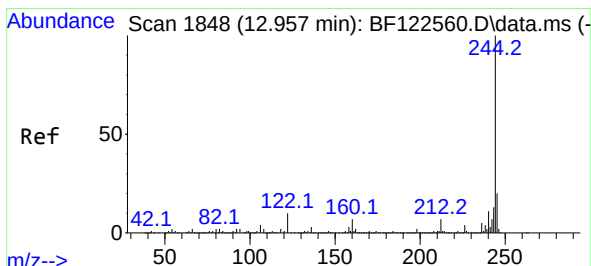
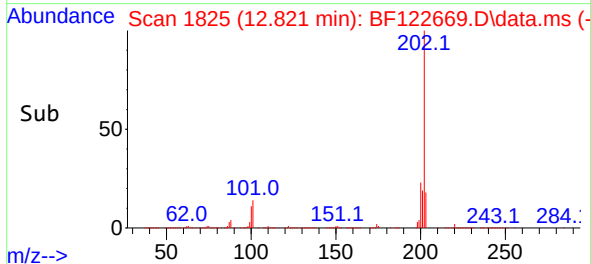
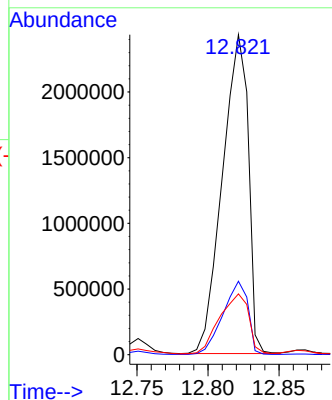
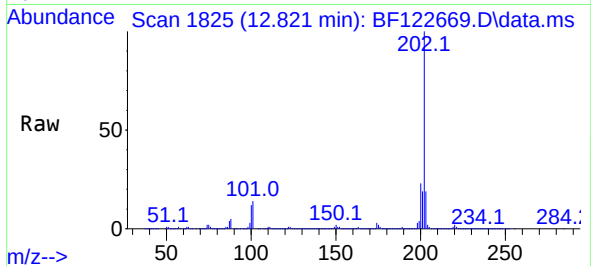




#78
Pyrene
Concen: 122.79 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

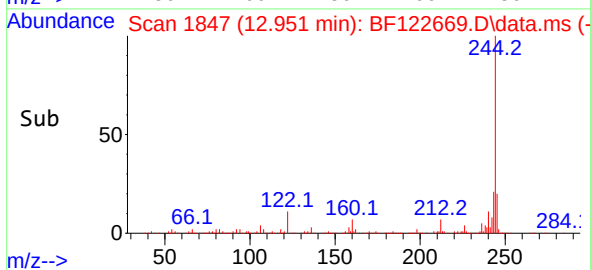
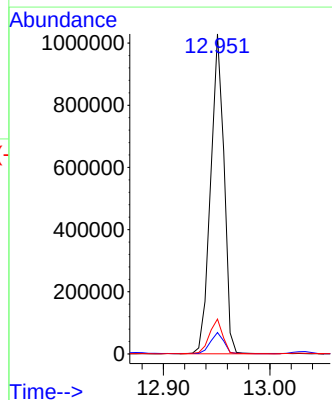
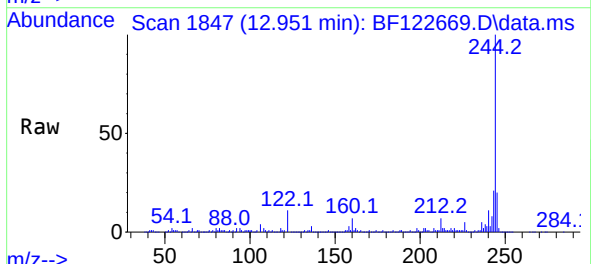
Instrument :
BNA_F
ClientSampled :
PE-7

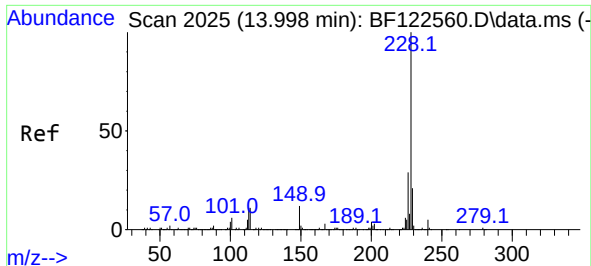
Tgt Ion:202 Resp: 3086054
Ion Ratio Lower Upper
202 100
200 23.0 17.6 26.4
203 19.0 14.6 21.8



#79
Terphenyl-d14
Concen: 48.38 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:244 Resp: 898361
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.9 8.3 12.5



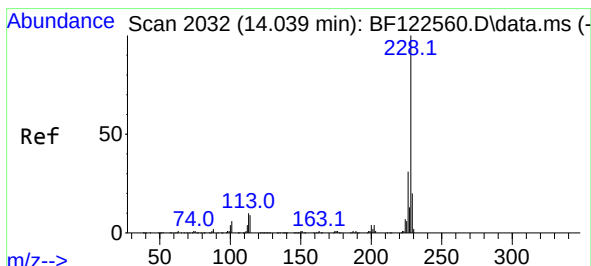
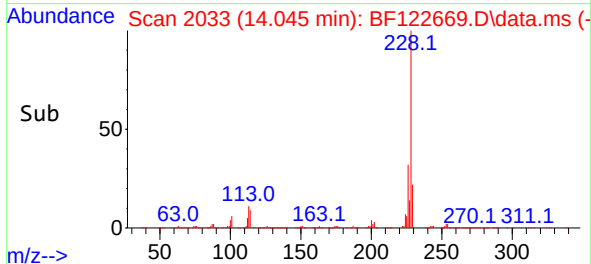
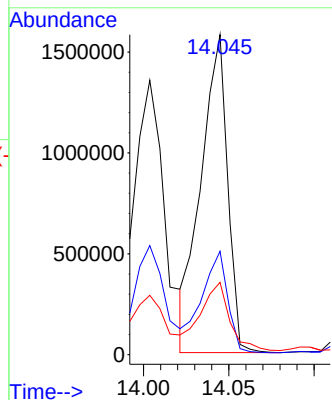
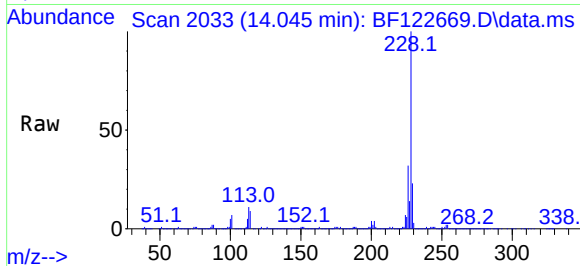


#81
Benzo(a)anthracene
Concen: 78.67 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.047 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Instrument :
BNA_F
ClientSampleId :
PE-7

Tgt Ion:228 Resp: 1708991

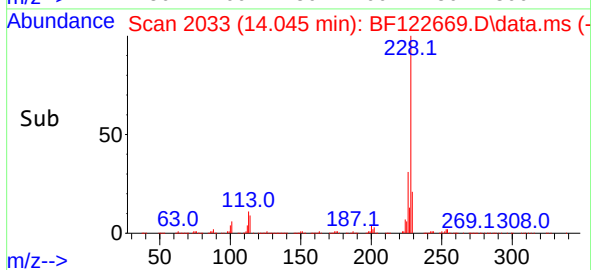
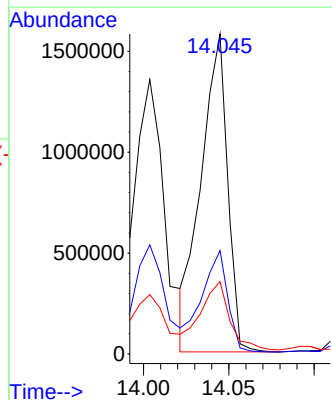
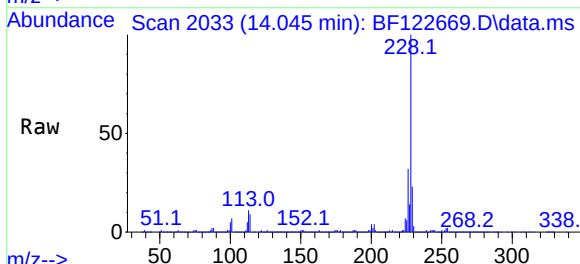
Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.0	34.4
229	22.6	16.6	24.8

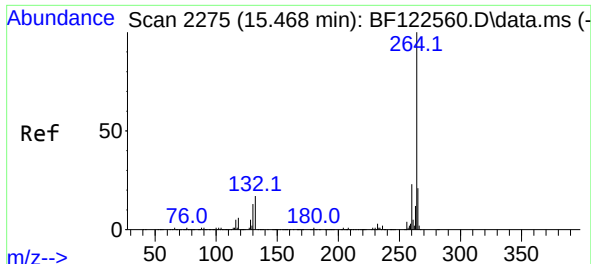


#83
Chrysene
Concen: 79.05 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:228 Resp: 1708991

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.6	36.8
229	22.6	15.8	23.6

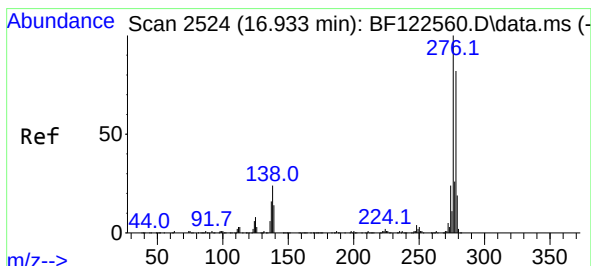
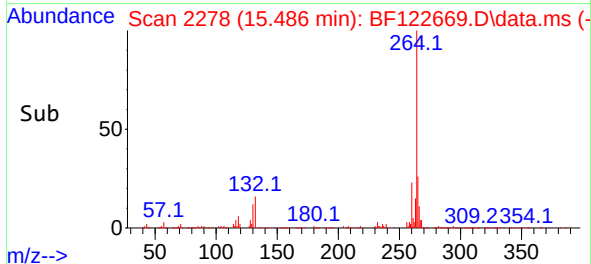
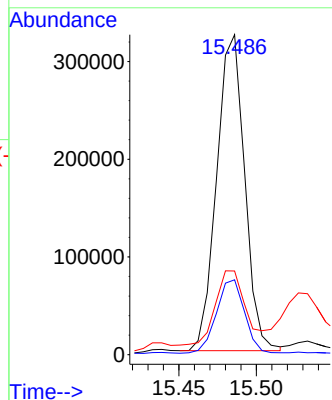
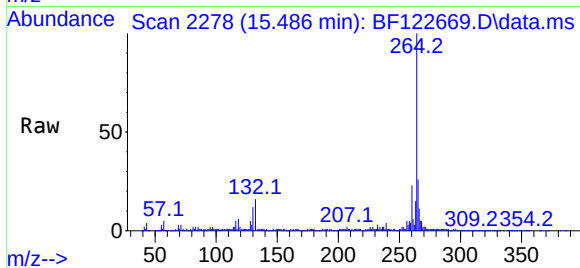




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.018 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

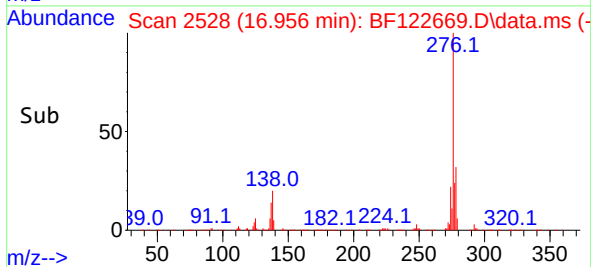
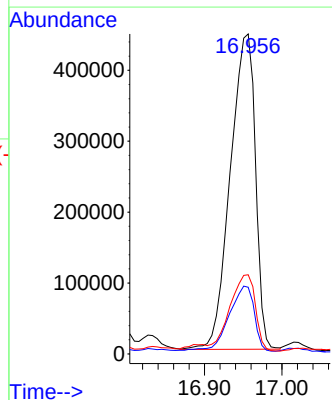
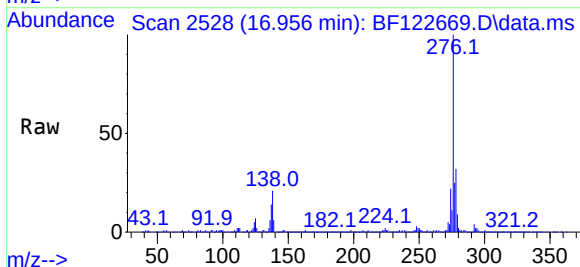
Instrument :
BNA_F
ClientSampled :
PE-7

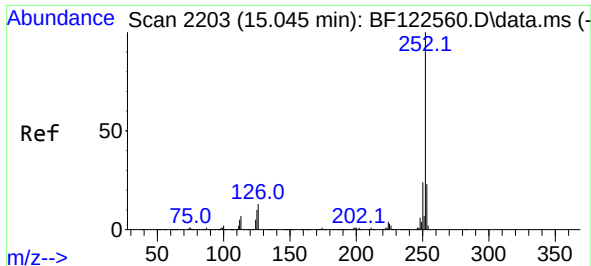
Tgt Ion:264 Resp: 406609
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 26.1 17.0 25.6#



#87
Indeno(1,2,3-cd)pyrene
Concen: 37.56 ng
RT: 16.956 min Scan# 2528
Delta R.T. 0.023 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:276 Resp: 1002496
Ion Ratio Lower Upper
276 100
138 20.9 18.7 28.1
277 24.6 20.2 30.4

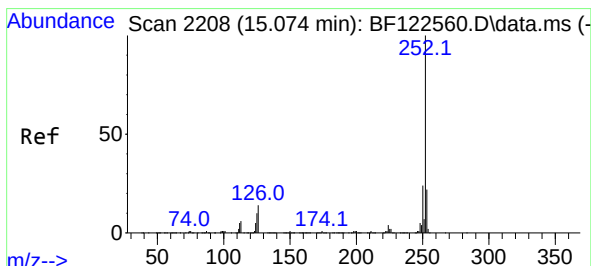
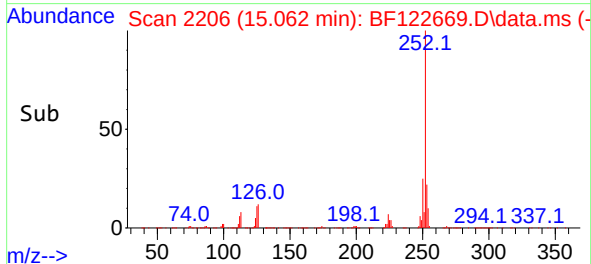
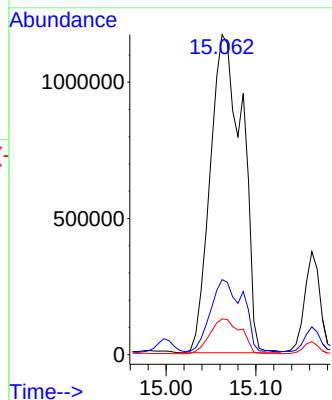
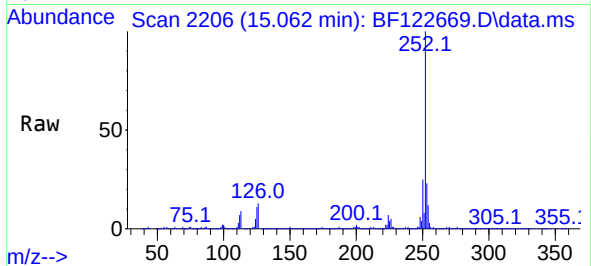




#88
Benzo(b)fluoranthene
Concen: 101.99 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.018 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

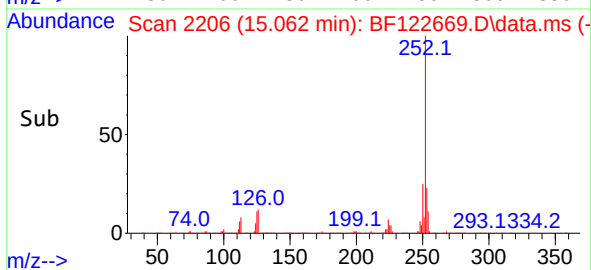
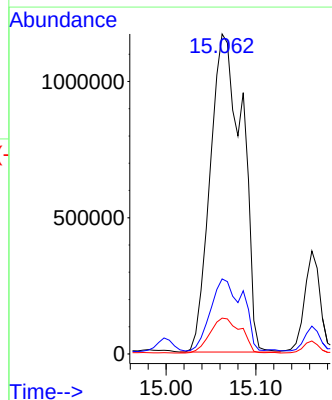
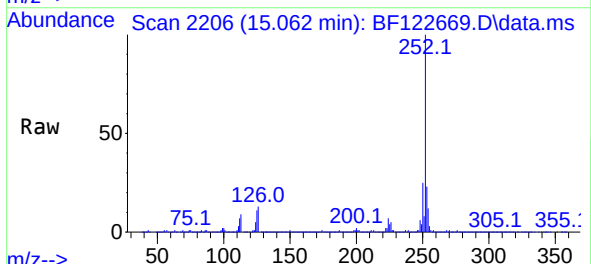
Instrument :
BNA_F
ClientSampled :
PE-7

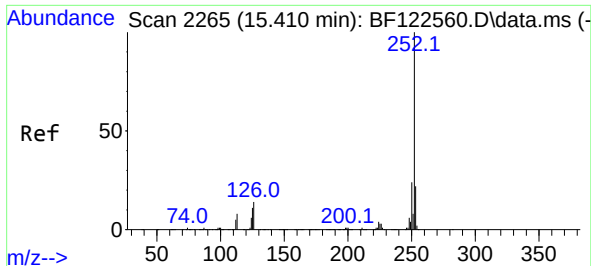
Tgt Ion:252 Resp: 2909752
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 11.2 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 111.55 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:252 Resp: 2909752
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.2 8.4 12.6

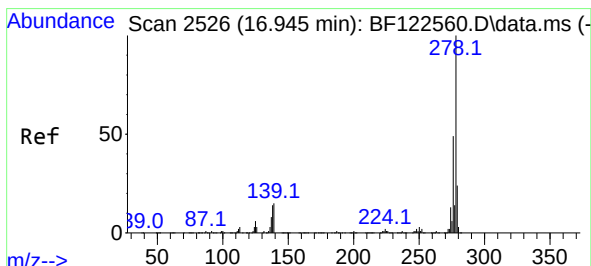
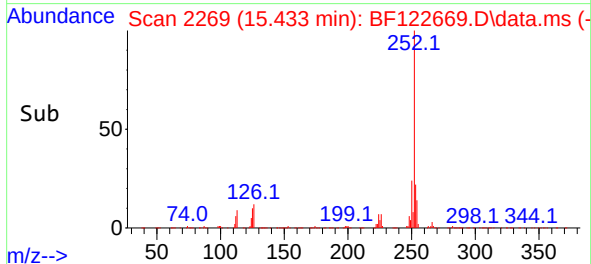
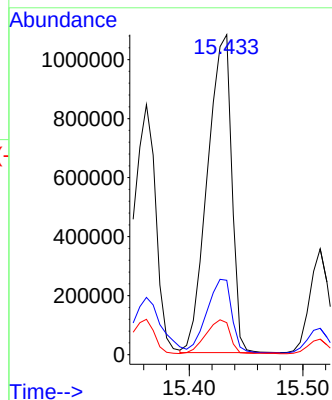
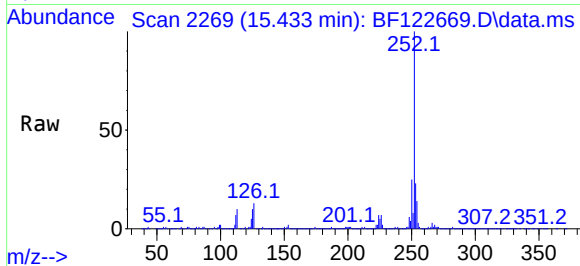




#90
Benzo(a)pyrene
Concen: 63.88 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.023 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

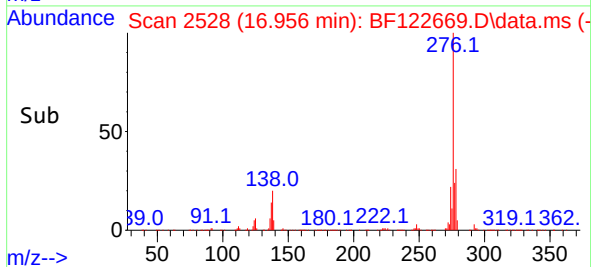
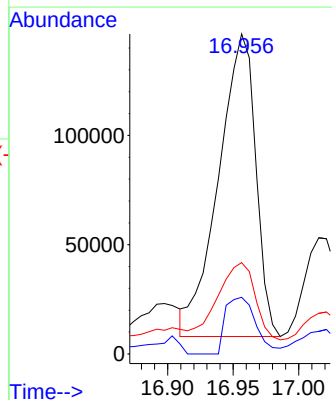
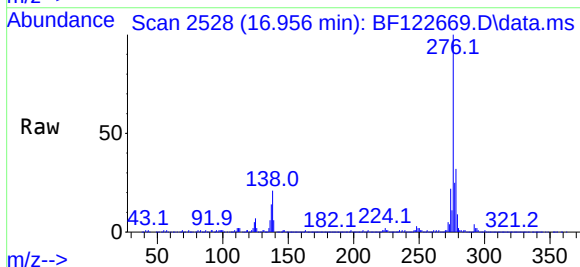
Instrument :
BNA_F
ClientSampleId :
PE-7

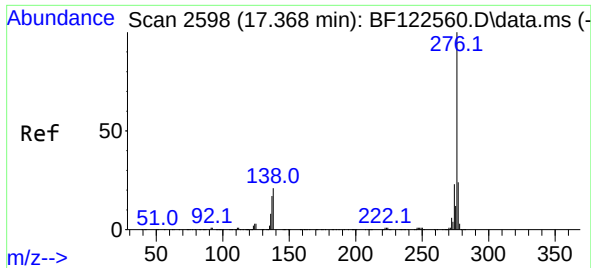
Tgt Ion:252 Resp: 1594269
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.0 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 12.50 ng
RT: 16.956 min Scan# 2528
Delta R.T. 0.012 min
Lab File: BF122669.D
Acq: 11 Dec 2020 18:14

Tgt Ion:278 Resp: 273004
Ion Ratio Lower Upper
278 100
139 17.7 12.0 18.0
279 28.5 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 44.22 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. 0.029 min
 Lab File: BF122669.D
 Acq: 11 Dec 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 PE-7

Tgt Ion:	276	Resp:	934909
Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	20.7	16.6	24.8

