

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126231.D
 Acq On : 17 Dec 2021 12:56
 Operator : JU/CG
 Sample : M5083-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 13:29:56 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

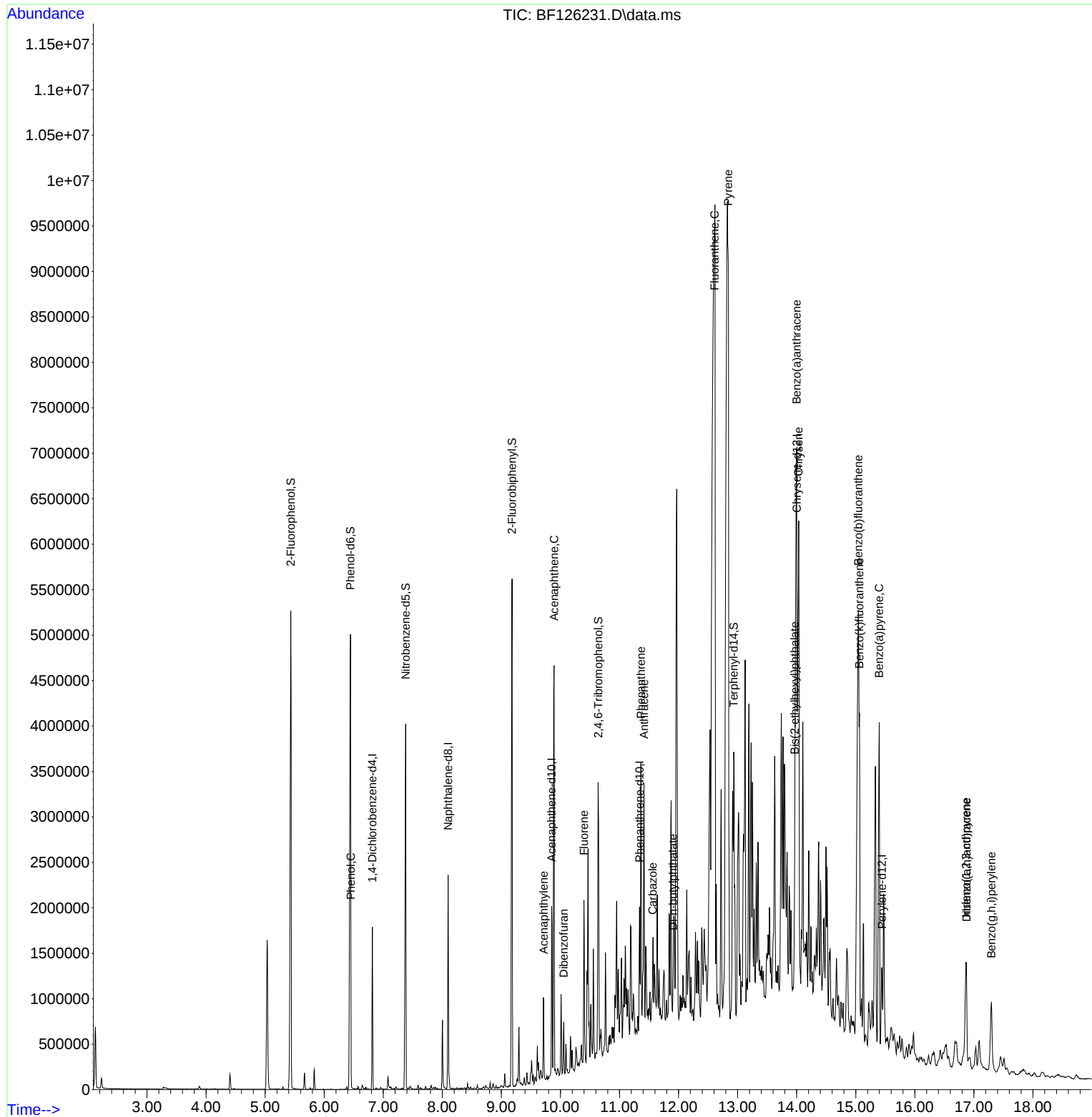
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	230178	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	932075	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	382221	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	461223	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	197940	20.000	ng	# 0.04
86) Perylene-d12	15.445	264	303874	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1806201	115.558	ng	0.01
7) Phenol-d6	6.445	99	2265170	114.135	ng	0.00
23) Nitrobenzene-d5	7.381	82	1464384	85.090	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	305991	99.616	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1738621	79.779	ng	0.00
79) Terphenyl-d14	12.933	244	1028316	90.297	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.451	94	54749	2.458	ng	82
49) Acenaphthylene	9.716	152	397555	12.236	ng	98
52) Acenaphthene	9.892	154	1093737	51.907	ng	99
55) Dibenzofuran	10.057	168	107597	3.751	ng	# 94
58) Fluorene	10.398	166	480008	23.112	ng	98
71) Phenanthrene	11.363	178	1063926	44.693	ng	97
72) Anthracene	11.416	178	1048514	43.883	ng	99
73) Carbazole	11.563	167	219720	9.765	ng	97
74) Di-n-butylphthalate	11.910	149	62365	2.186	ng	# 86
75) Fluoranthene	12.610	202	12911539	601.996	ng	88
78) Pyrene	12.839	202	9885627	543.608	ng	# 84
81) Benzo(a)anthracene	13.998	228	4416113	376.644	ng	94
83) Chrysene	14.033	228	2642258m	216.896	ng	
84) Bis(2-ethylhexyl)phtha...	13.968	149	57031	5.964	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.868	276	764807	37.733	ng	94
88) Benzo(b)fluoranthene	15.045	252	4345422m	237.996	ng	
89) Benzo(k)fluoranthene	15.063	252	967846m	55.412	ng	
90) Benzo(a)pyrene	15.398	252	2014271	132.736	ng	98
91) Dibenzo(a,h)anthracene	16.874	278	215718m	13.092	ng	
92) Benzo(g,h,i)perylene	17.298	276	569824	33.426	ng	92

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

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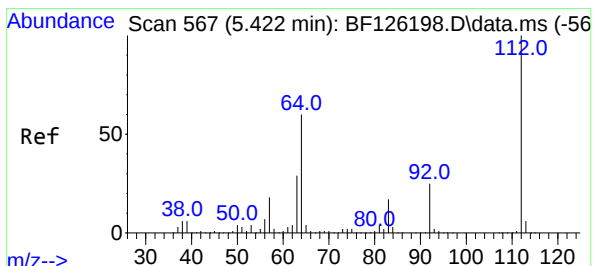
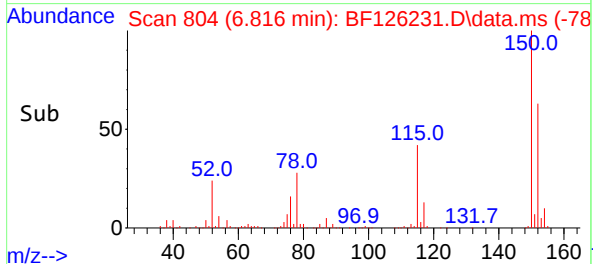
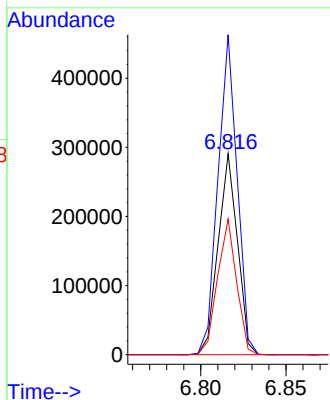
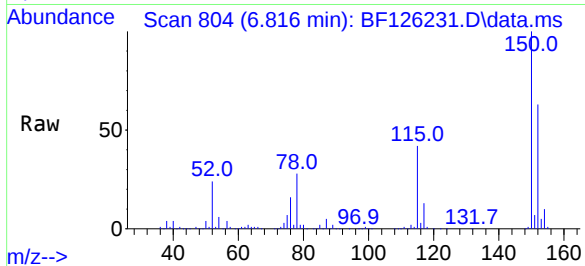
Quant Time: Dec 17 13:29:56 2021
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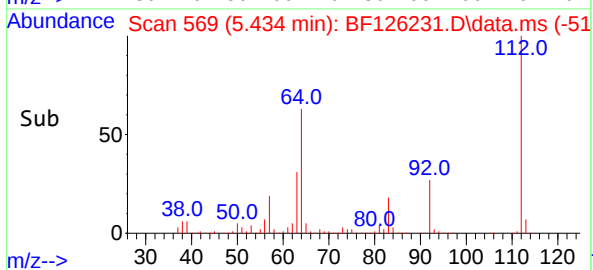
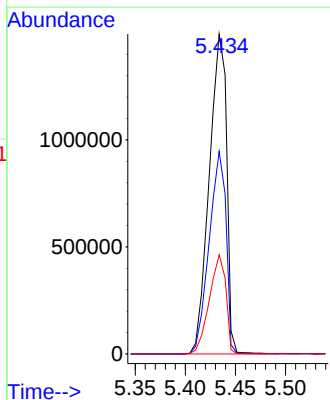
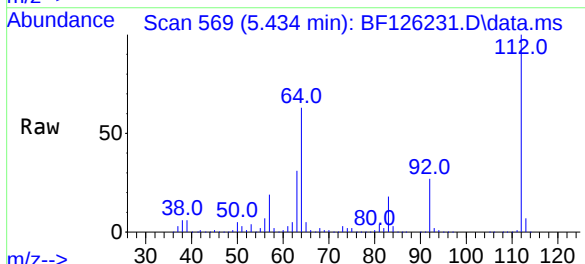
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

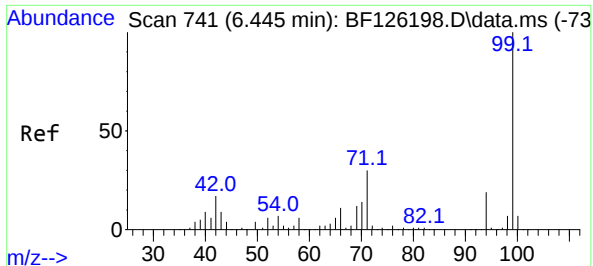
Tgt Ion:152 Resp: 230178
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 67.4 47.1 70.7



#5
2-Fluorophenol
Concen: 115.558 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

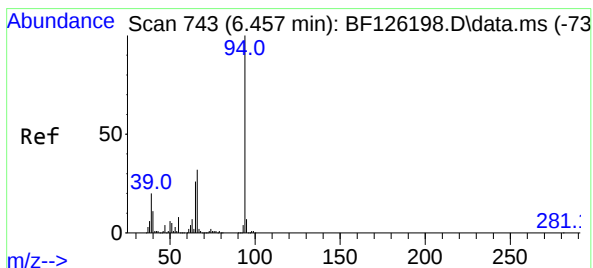
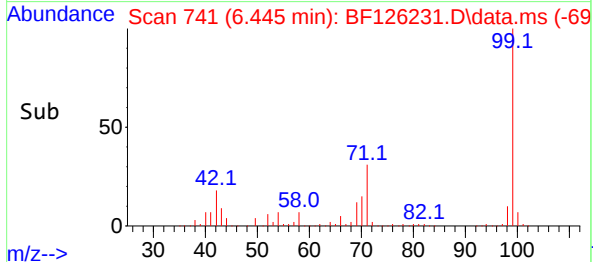
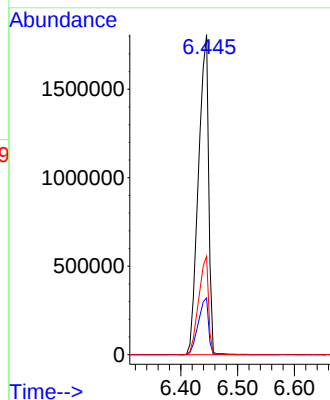
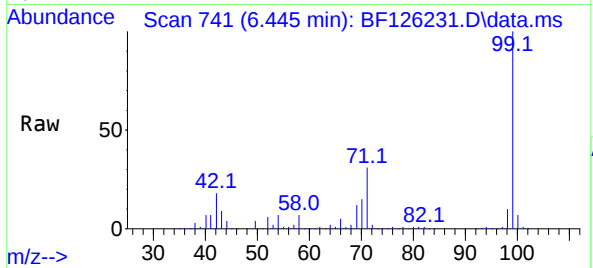
Tgt Ion:112 Resp: 1806201
Ion Ratio Lower Upper
112 100
64 63.3 44.2 66.2
63 31.0 26.2 39.2





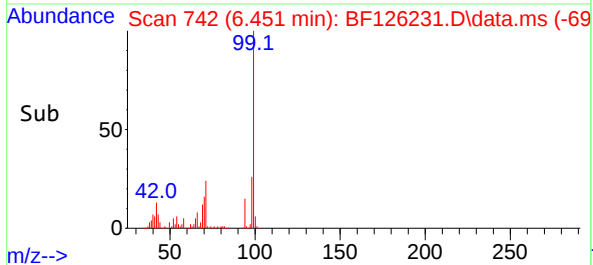
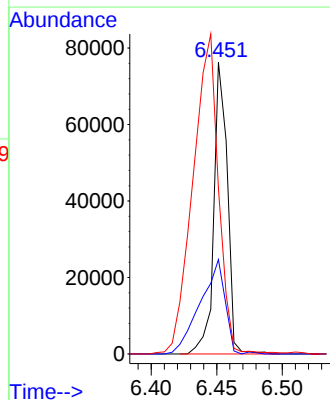
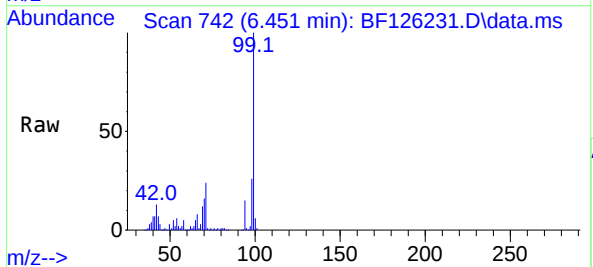
#7
Phenol-d6
Concen: 114.135 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

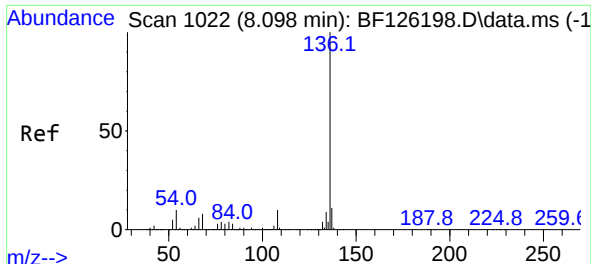
Tgt Ion: 99 Resp: 2265170
Ion Ratio Lower Upper
99 100
42 17.8 23.5 35.3#
71 30.7 25.6 38.4



#10
Phenol
Concen: 2.458 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

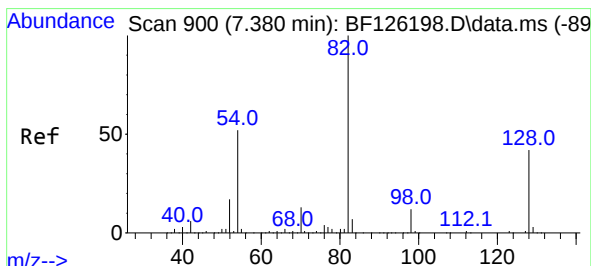
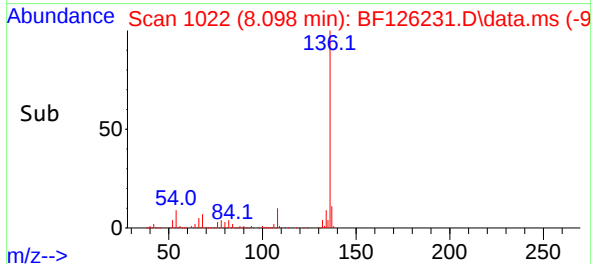
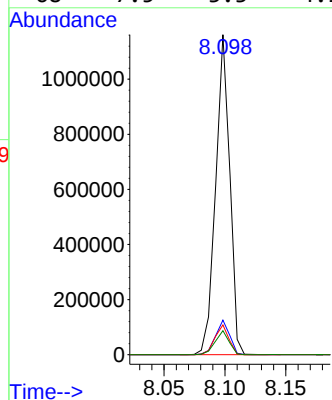
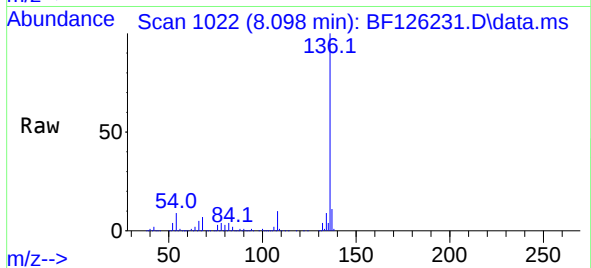
Tgt Ion: 94 Resp: 54749
Ion Ratio Lower Upper
94 100
65 32.4 9.3 49.3
66 56.7 20.3 60.3





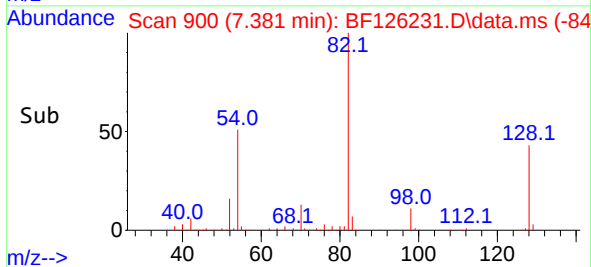
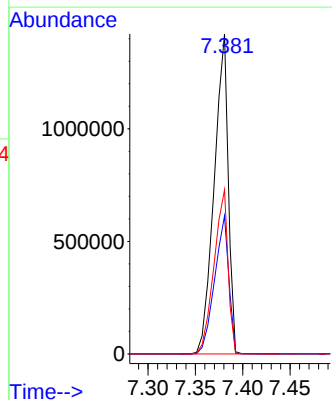
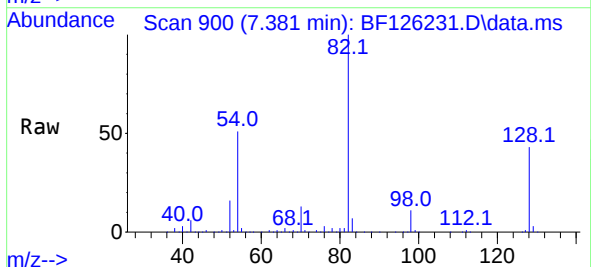
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

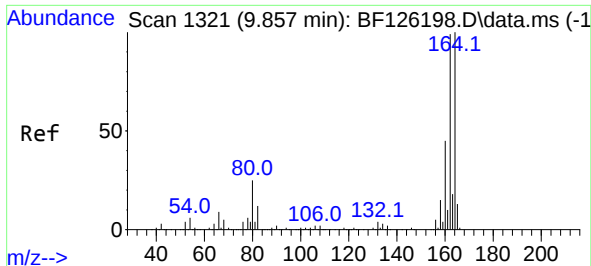
Tgt Ion:	136	Resp:	932075
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	9.3	6.4	9.6
68	7.5	3.3	4.9



#23
Nitrobenzene-d5
Concen: 85.090 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

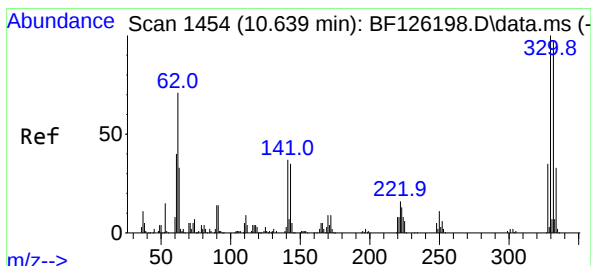
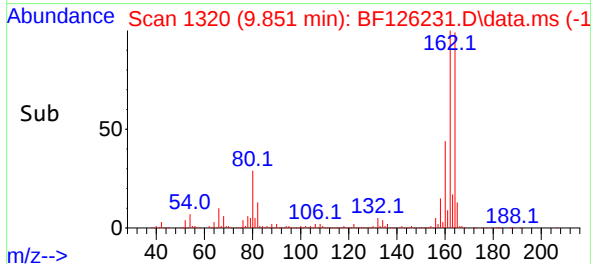
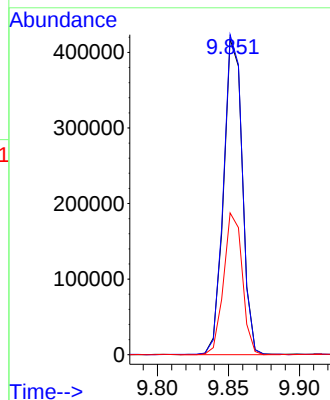
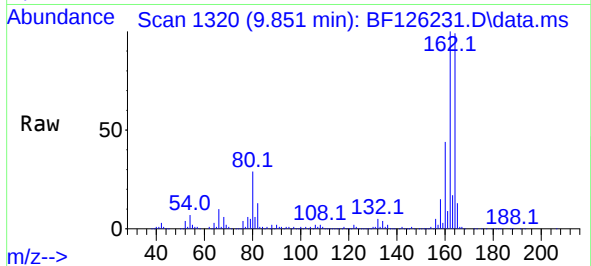
Tgt Ion:	82	Resp:	1464384
Ion	Ratio	Lower	Upper
82	100		
128	43.2	40.6	60.8
54	51.3	49.6	74.4





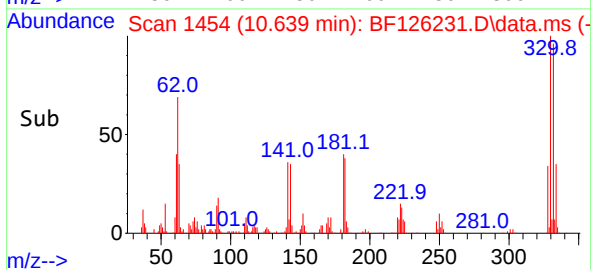
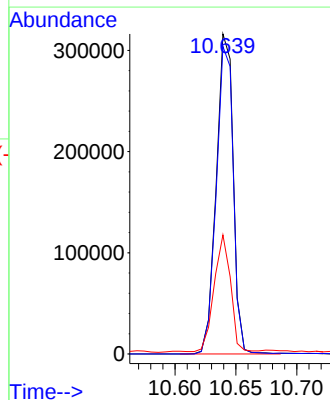
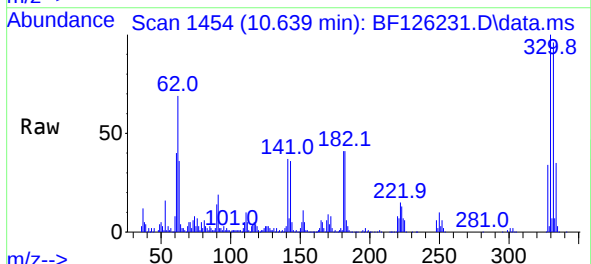
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

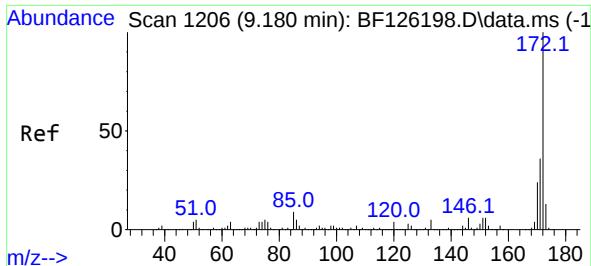
Tgt Ion:164 Resp: 382221
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 99.616 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:330 Resp: 305991
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 36.1 44.6 66.8#

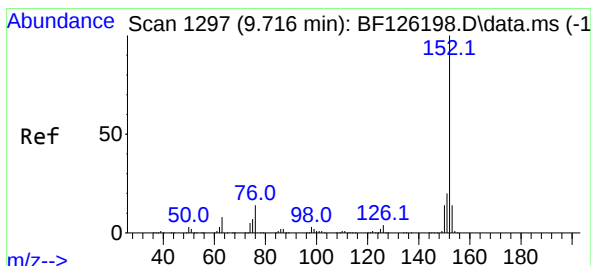
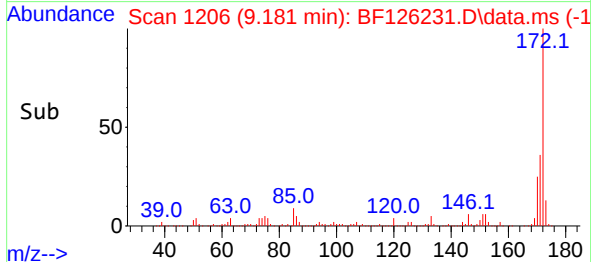
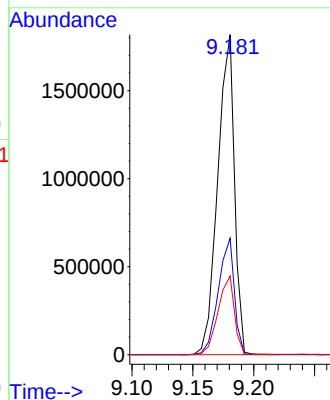
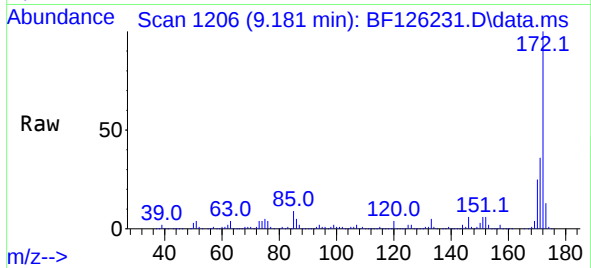




#45
2-Fluorobiphenyl
Concen: 79.779 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:172 Resp: 1738621

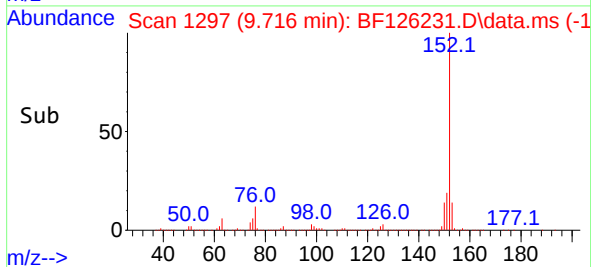
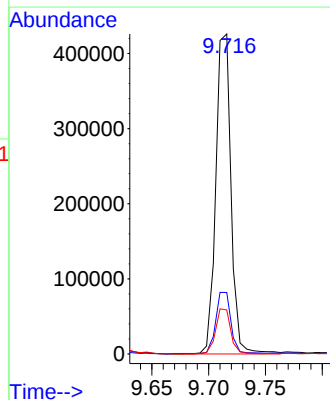
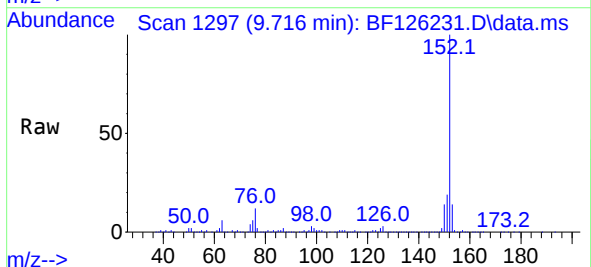
Ion	Ratio	Lower	Upper
172	100		
171	36.4	26.5	39.7
170	24.6	18.8	28.2

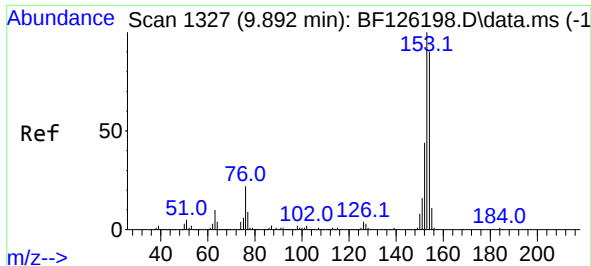


#49
Acenaphthylene
Concen: 12.236 ng
RT: 9.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:152 Resp: 397555

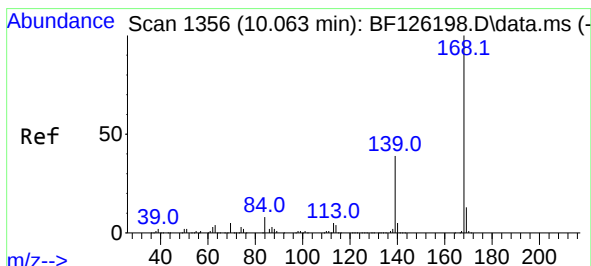
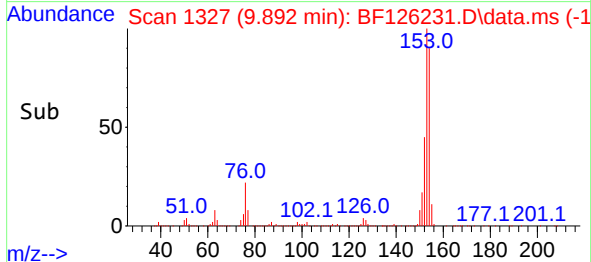
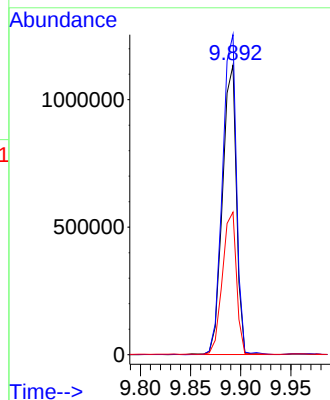
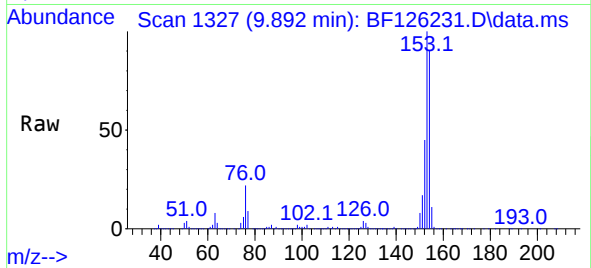
Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.8	9.8	14.8





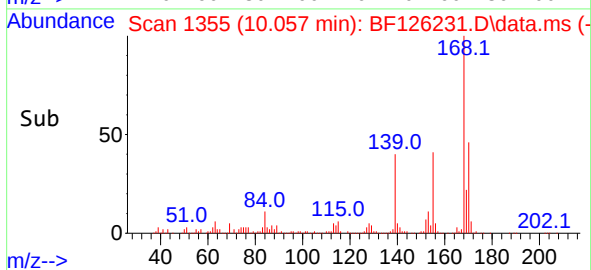
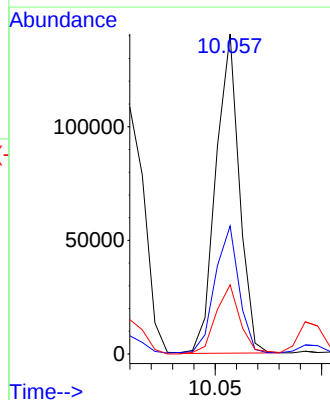
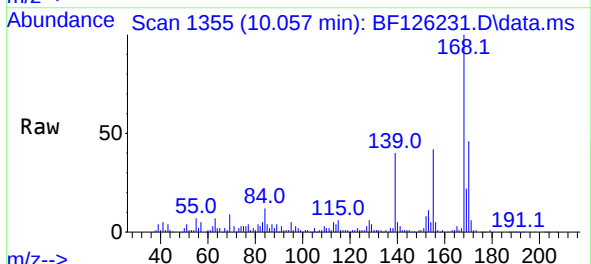
#52
Acenaphthene
Concen: 51.907 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

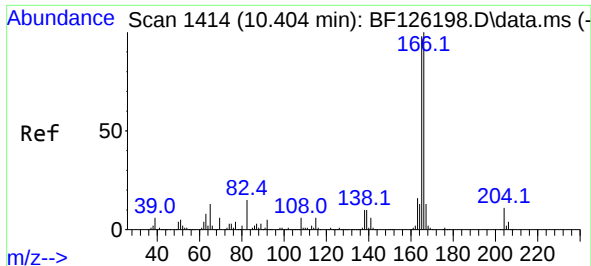
Tgt Ion:154 Resp: 1093737
Ion Ratio Lower Upper
154 100
153 110.6 89.4 134.2
152 49.3 40.5 60.7



#55
Dibenzofuran
Concen: 3.751 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

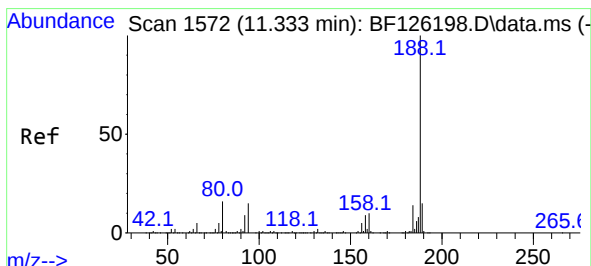
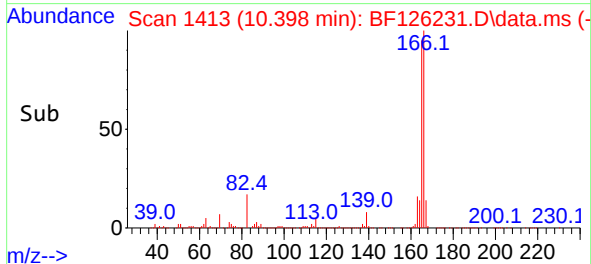
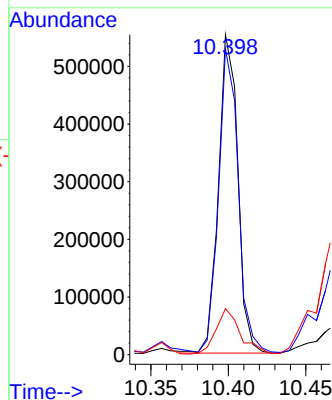
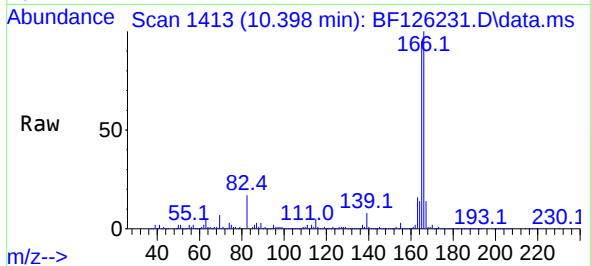
Tgt Ion:168 Resp: 107597
Ion Ratio Lower Upper
168 100
139 40.0 32.7 49.1
169 21.6 11.2 16.8#





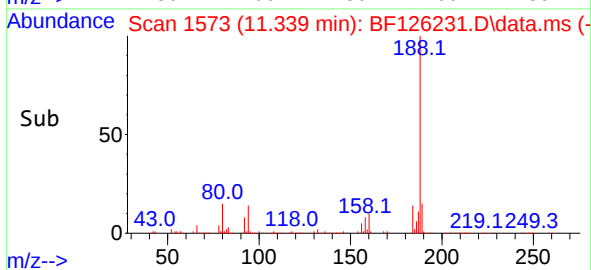
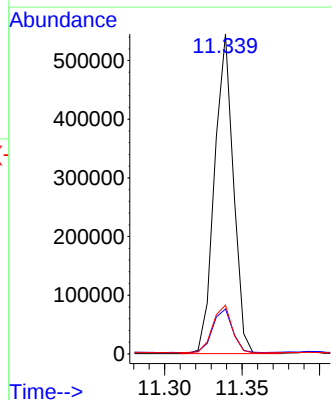
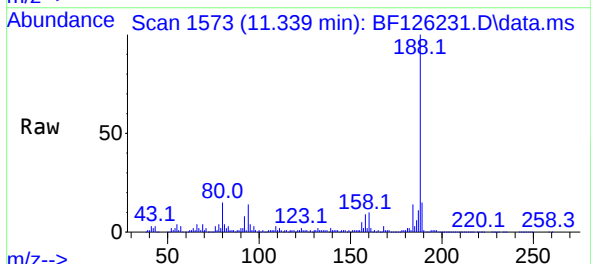
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Fluorene
Concen: 23.112 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

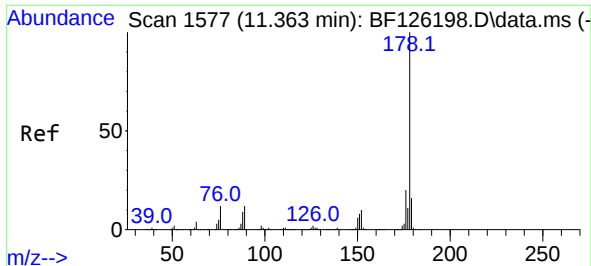
Tgt Ion:166 Resp: 480008
Ion Ratio Lower Upper
166 100
165 95.5 78.1 117.1
167 14.4 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

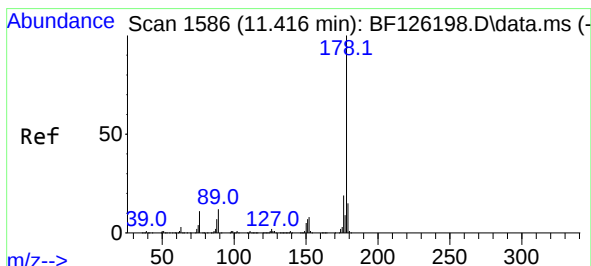
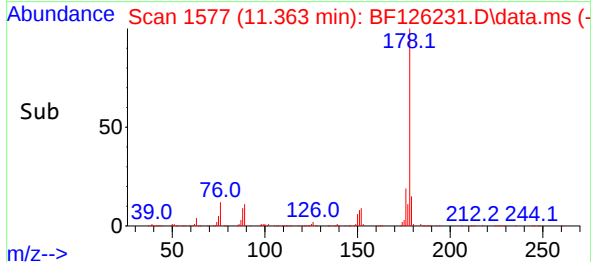
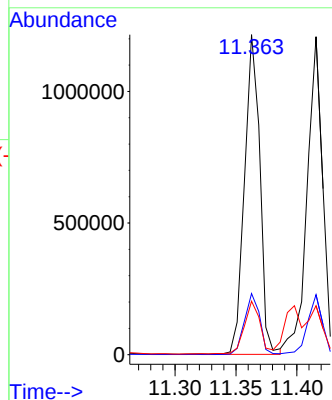
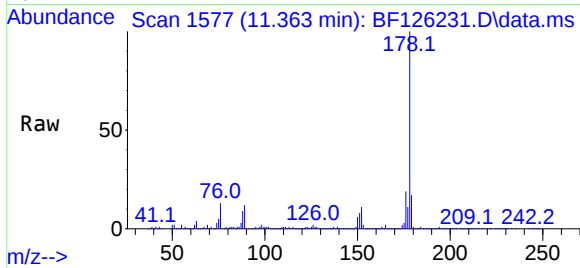
Tgt Ion:188 Resp: 461223
Ion Ratio Lower Upper
188 100
94 14.1 6.7 10.1#
80 15.3 7.5 11.3#





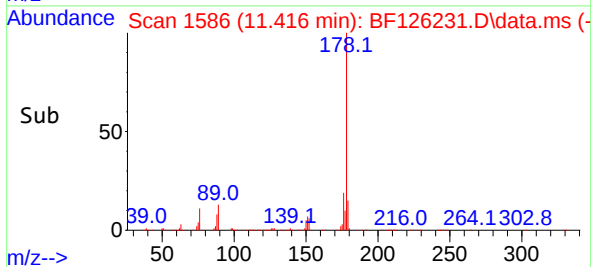
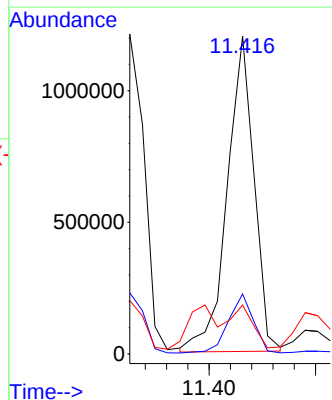
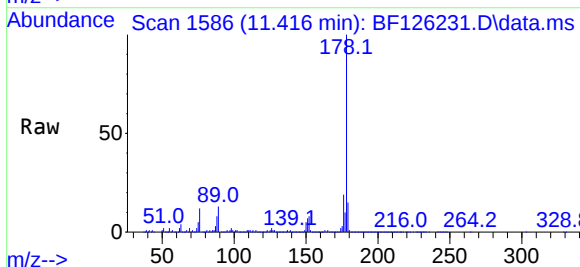
#71
Phenanthrene
Concen: 44.693 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

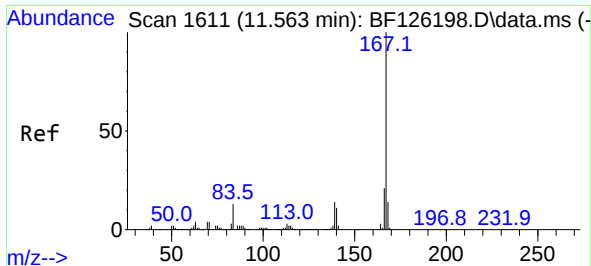
Tgt Ion:178 Resp: 1063926
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 16.7 11.5 17.3



#72
Anthracene
Concen: 43.883 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

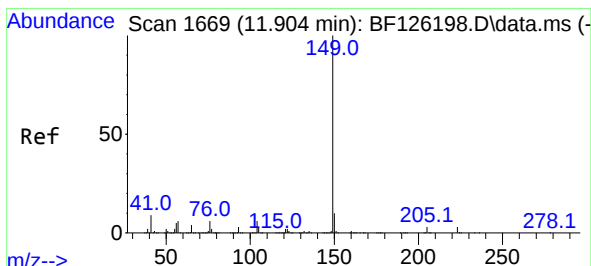
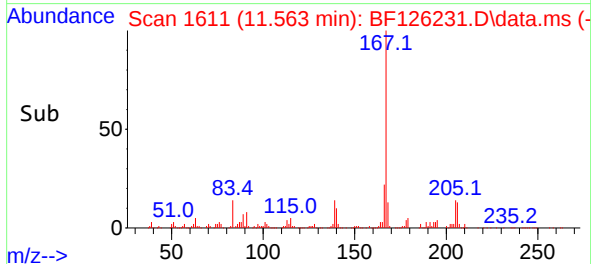
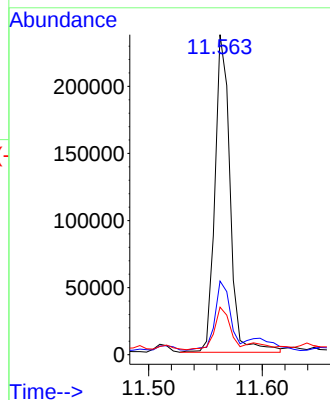
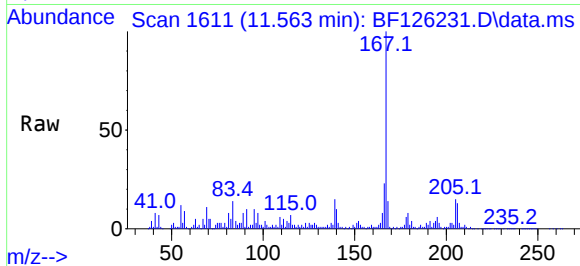
Tgt Ion:178 Resp: 1048514
Ion Ratio Lower Upper
178 100
176 18.9 14.3 21.5
179 15.4 12.2 18.4





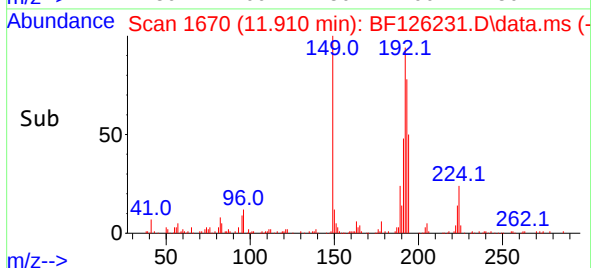
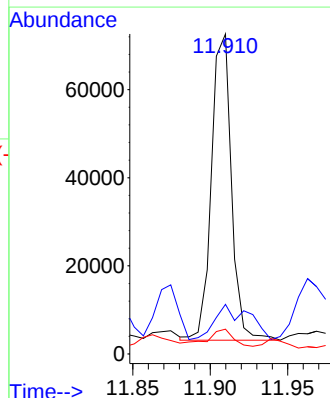
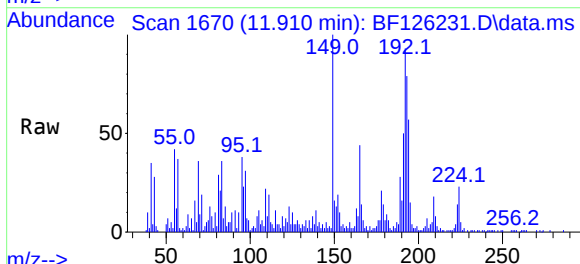
#73
 Carbazole
 Concen: 9.765 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

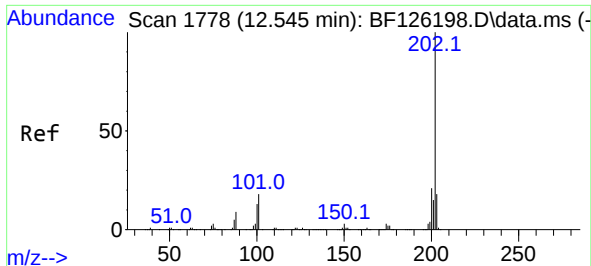
Tgt Ion:	167	Resp:	219720
Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.4	26.0
139	14.8	11.0	16.4



#74
 Di-n-butylphthalate
 Concen: 2.186 ng
 RT: 11.910 min Scan# 1670
 Delta R.T. 0.006 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

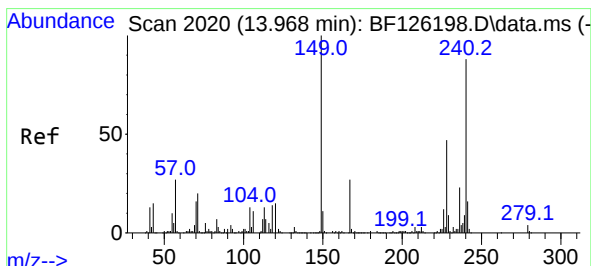
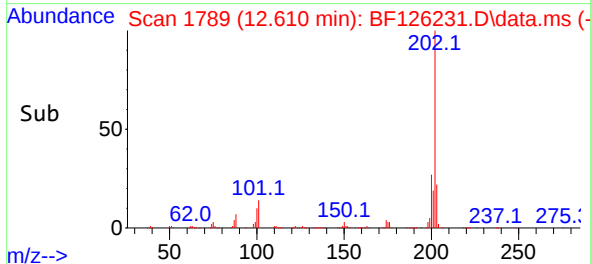
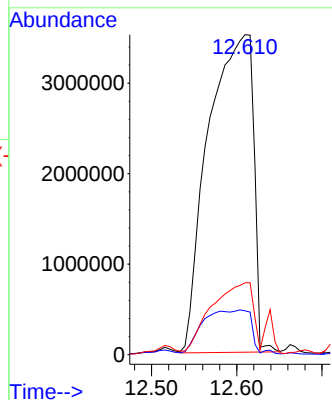
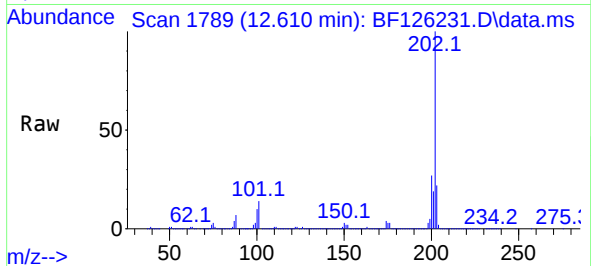
Tgt Ion:	149	Resp:	62365
Ion	Ratio	Lower	Upper
149	100		
150	15.5	7.4	11.2#
104	7.8	4.1	6.1#





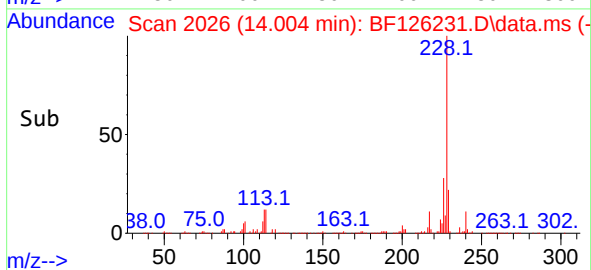
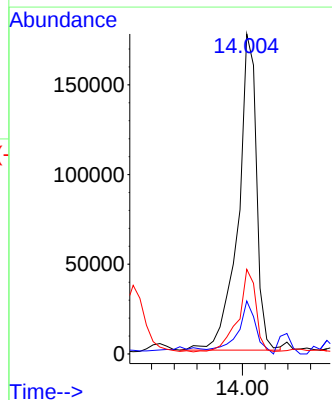
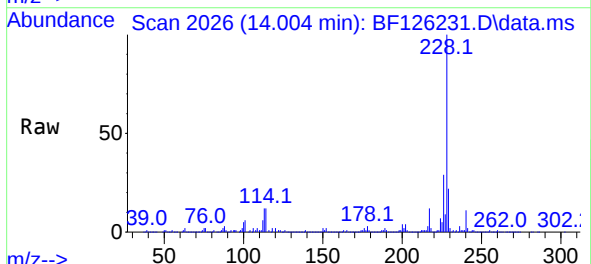
#75
Fluoranthene
Concen: 601.996 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.065 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

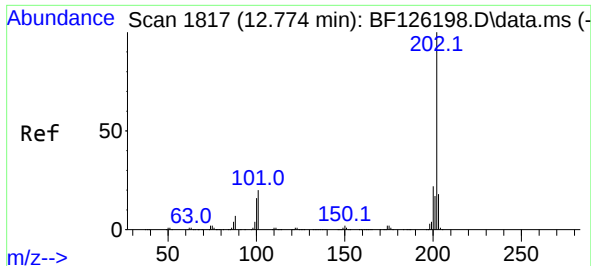
Tgt Ion:202 Resp:12911539
Ion Ratio Lower Upper
202 100
101 13.7 0.0 30.7
203 22.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.035 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

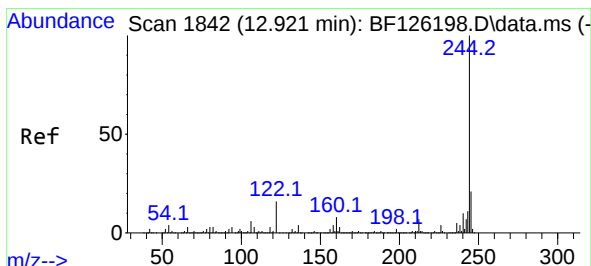
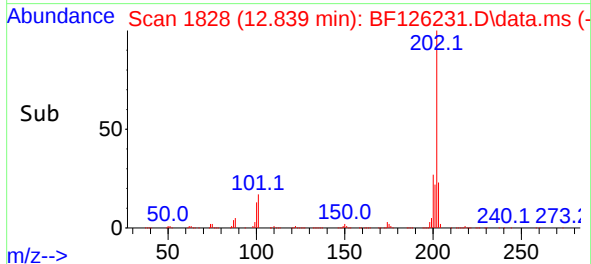
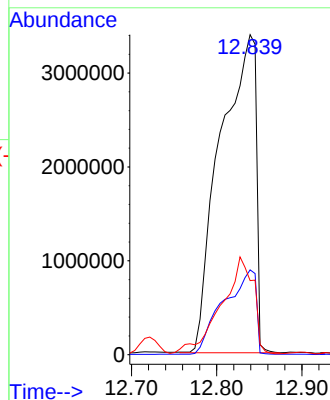
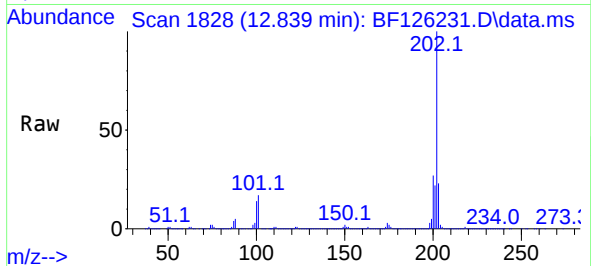
Tgt Ion:240 Resp: 197940
Ion Ratio Lower Upper
240 100
120 16.5 10.8 16.2#
236 26.5 21.6 32.4





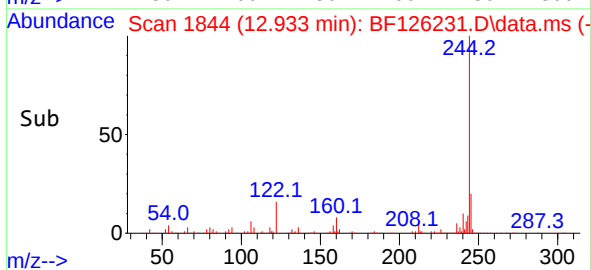
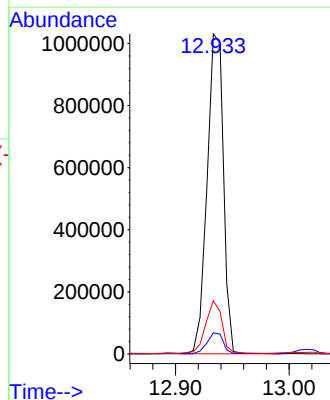
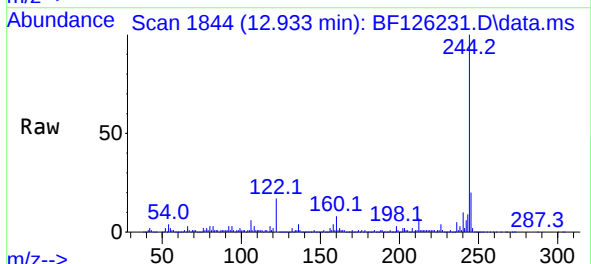
#78
Pyrene
Concen: 543.608 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.065 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

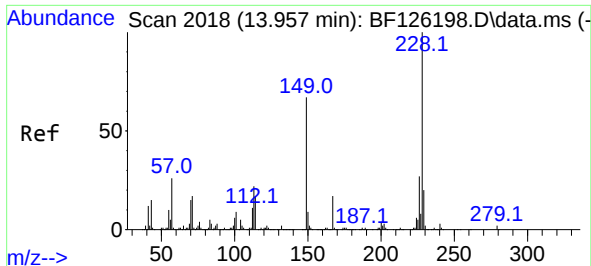
Tgt Ion:202 Resp: 9885627
Ion Ratio Lower Upper
202 100
200 26.5 15.3 22.9#
203 23.2 13.4 20.0#



#79
Terphenyl-d14
Concen: 90.297 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.012 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

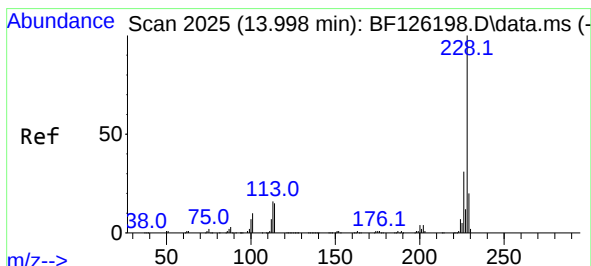
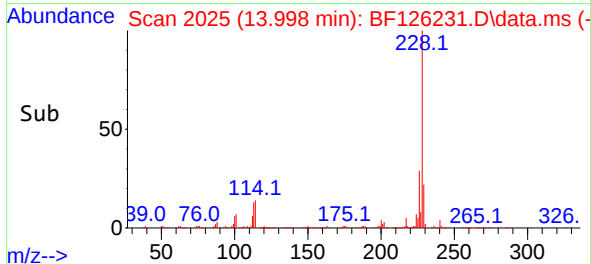
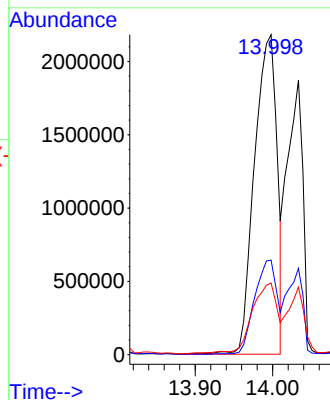
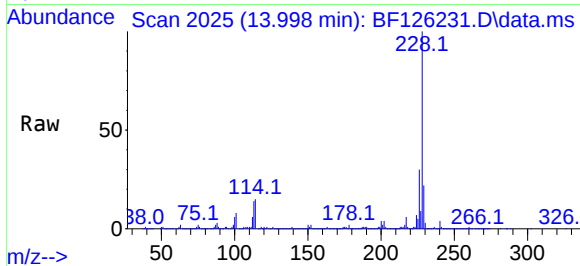
Tgt Ion:244 Resp: 1028316
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 16.7 9.0 13.4#





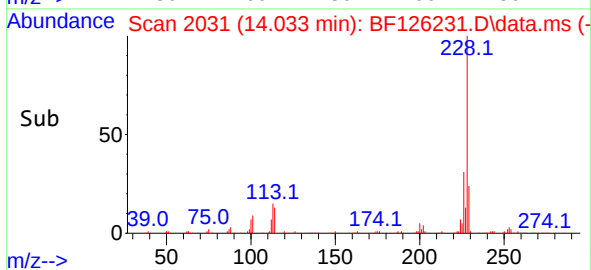
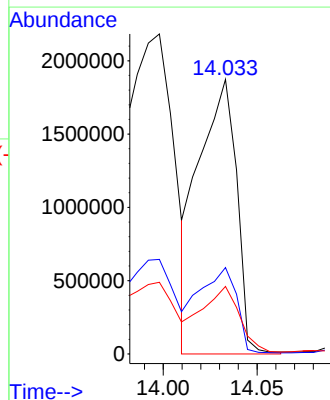
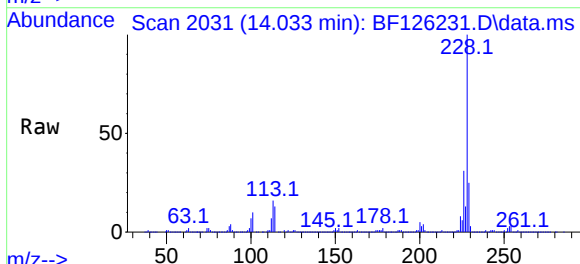
#81
Benzo(a)anthracene
Concen: 376.644 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.041 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

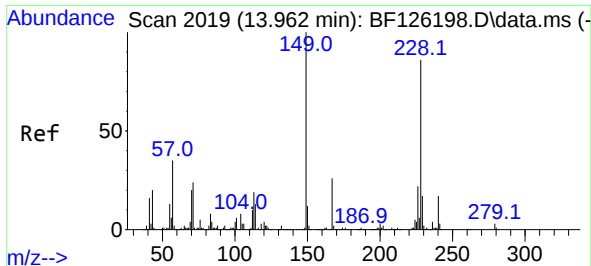
Tgt Ion:228 Resp: 4416113
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 22.4 15.6 23.4



#83
Chrysene
Concen: 216.896 ng m
RT: 14.033 min Scan# 2031
Delta R.T. 0.036 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

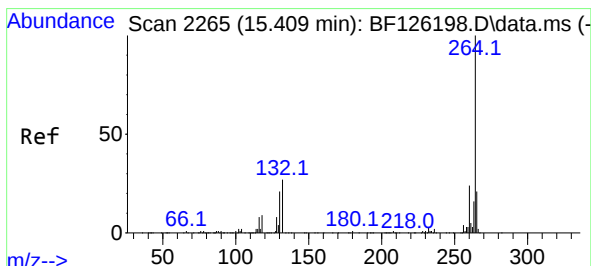
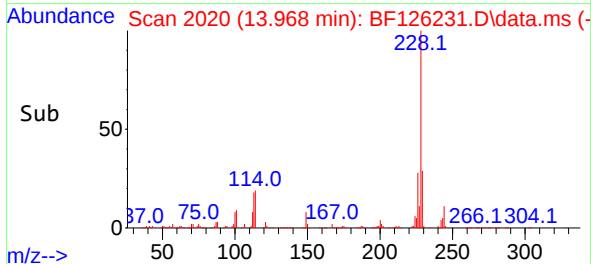
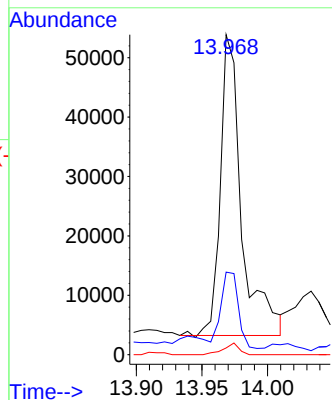
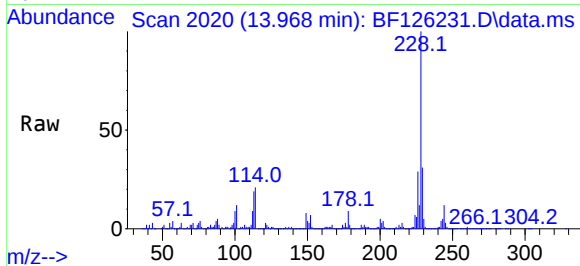
Tgt Ion:228 Resp: 2642258
Ion Ratio Lower Upper
228 100
226 31.5 22.6 34.0
229 24.6 15.9 23.9#





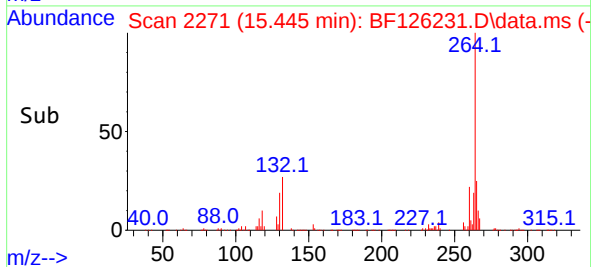
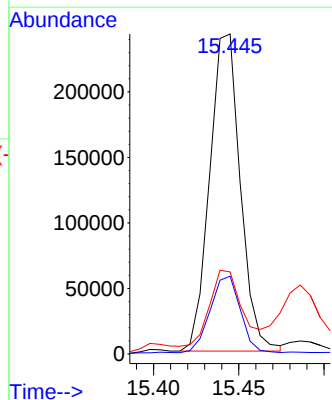
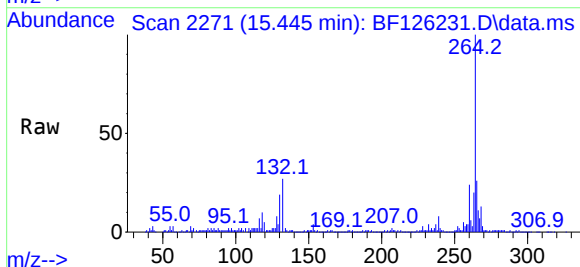
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.964 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

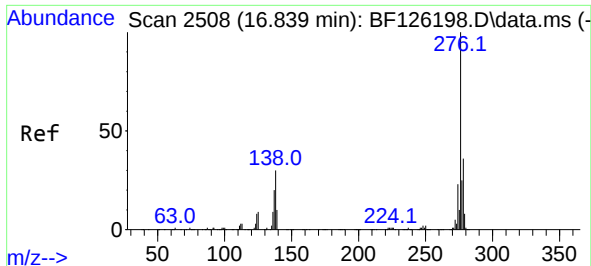
Tgt Ion:149 Resp: 57031
Ion Ratio Lower Upper
149 100
167 25.8 21.4 32.0
279 2.1 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.035 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

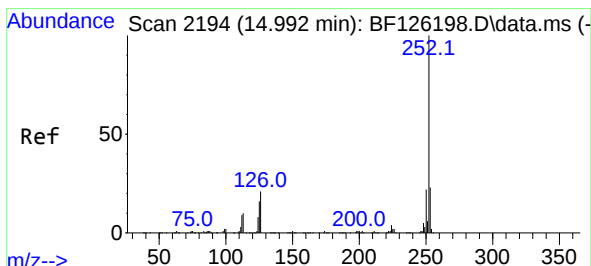
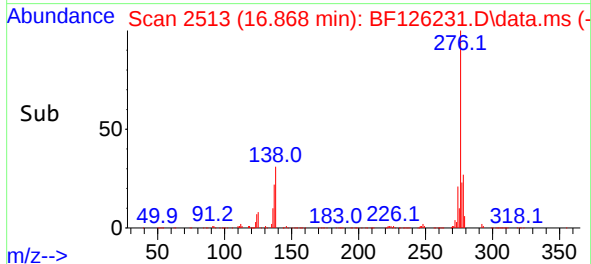
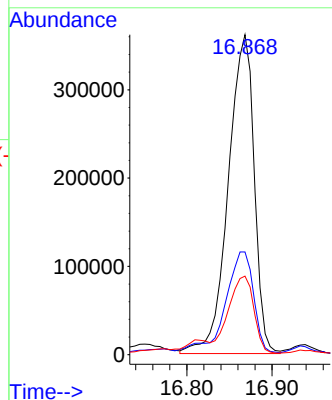
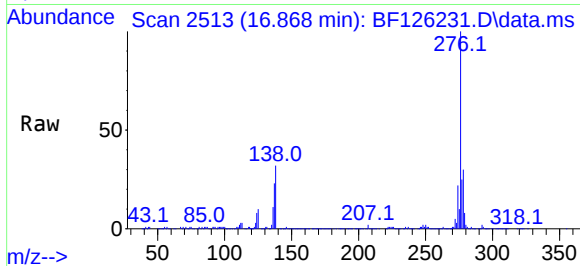
Tgt Ion:264 Resp: 303874
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 25.7 17.2 25.8





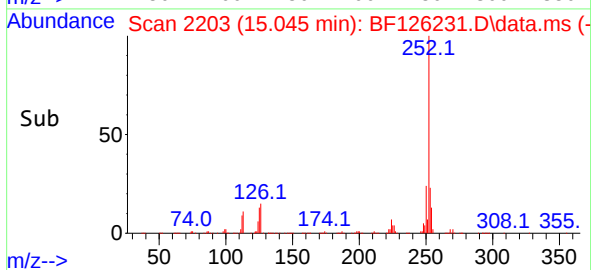
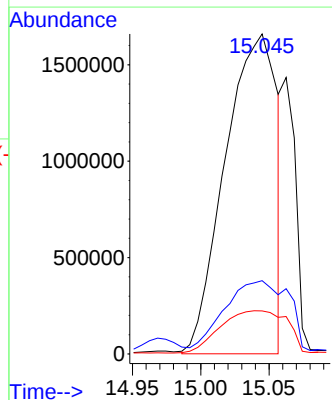
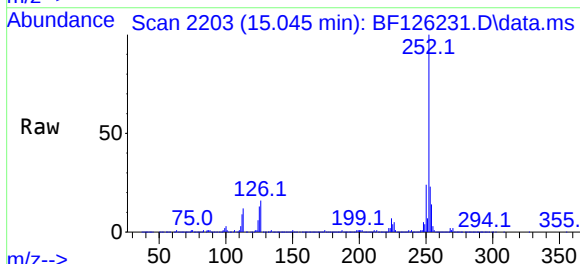
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.733 ng
RT: 16.868 min Scan# 2513
Delta R.T. 0.030 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

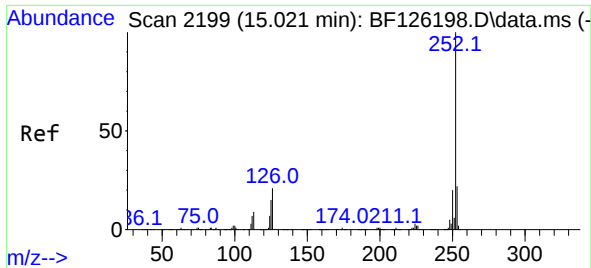
Tgt Ion:276 Resp: 764807
Ion Ratio Lower Upper
276 100
138 35.0 24.1 36.1
277 24.1 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 237.996 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.053 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

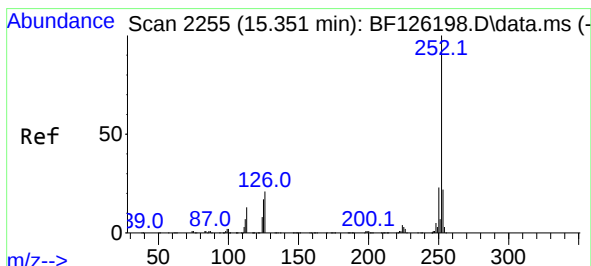
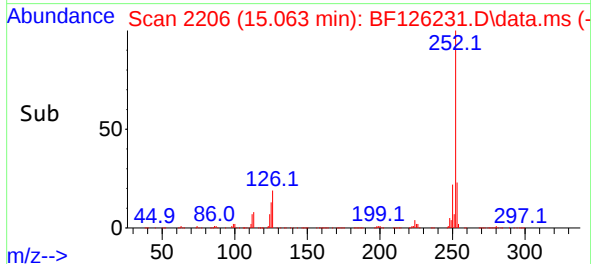
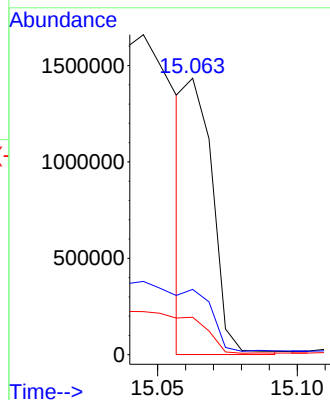
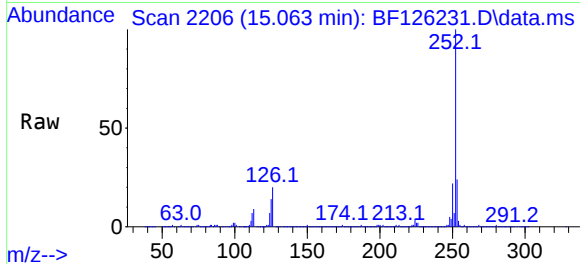
Tgt Ion:252 Resp: 4345422
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 13.5 9.8 14.8





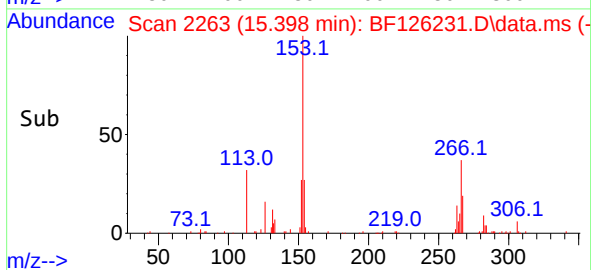
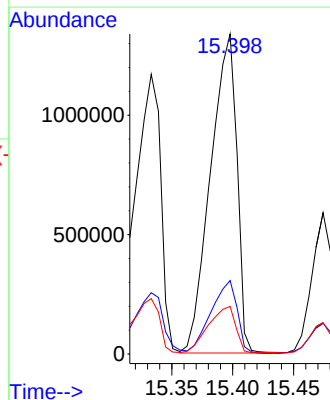
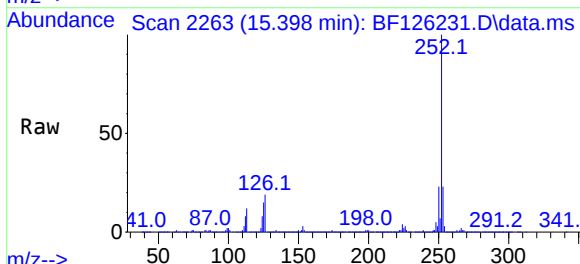
#89
Benzo(k)fluoranthene
Concen: 55.412 ng m
RT: 15.063 min Scan# 2206
Delta R.T. 0.041 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

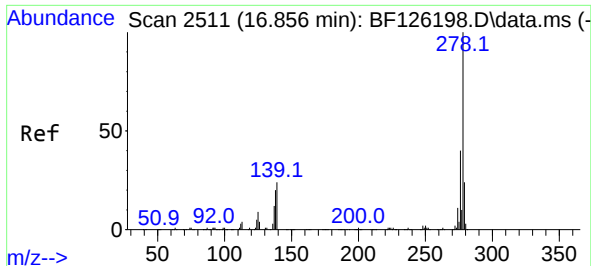
Tgt Ion:252 Resp: 967846
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 13.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 132.736 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.047 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

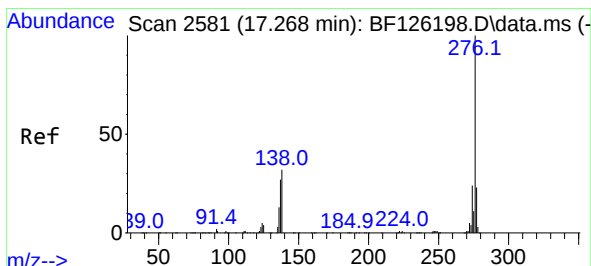
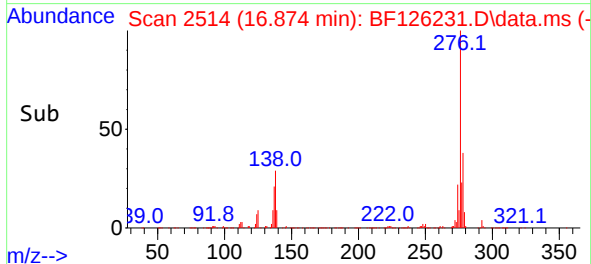
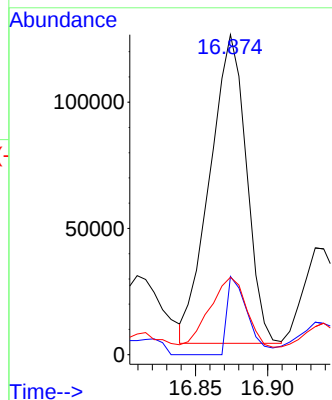
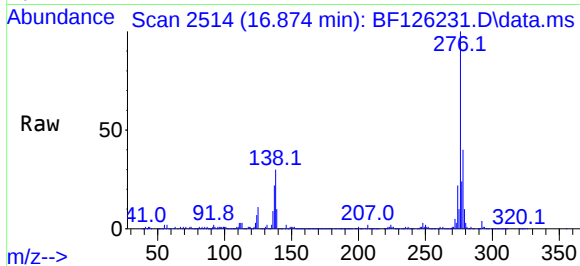
Tgt Ion:252 Resp: 2014271
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 14.9 9.9 14.9





#91
Dibenzo(a,h)anthracene
Concen: 13.092 ng m
RT: 16.874 min Scan# 2514
Delta R.T. 0.018 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:278 Resp: 215718
Ion Ratio Lower Upper
278 100
139 24.4 14.9 22.3#
279 24.2 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 33.426 ng
RT: 17.298 min Scan# 2586
Delta R.T. 0.030 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:276 Resp: 569824
Ion Ratio Lower Upper
276 100
277 24.2 22.0 33.0
138 32.6 22.2 33.4

