

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126233.D
 Acq On : 17 Dec 2021 14:02
 Operator : JU/CG
 Sample : M5083-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 14:26:56 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

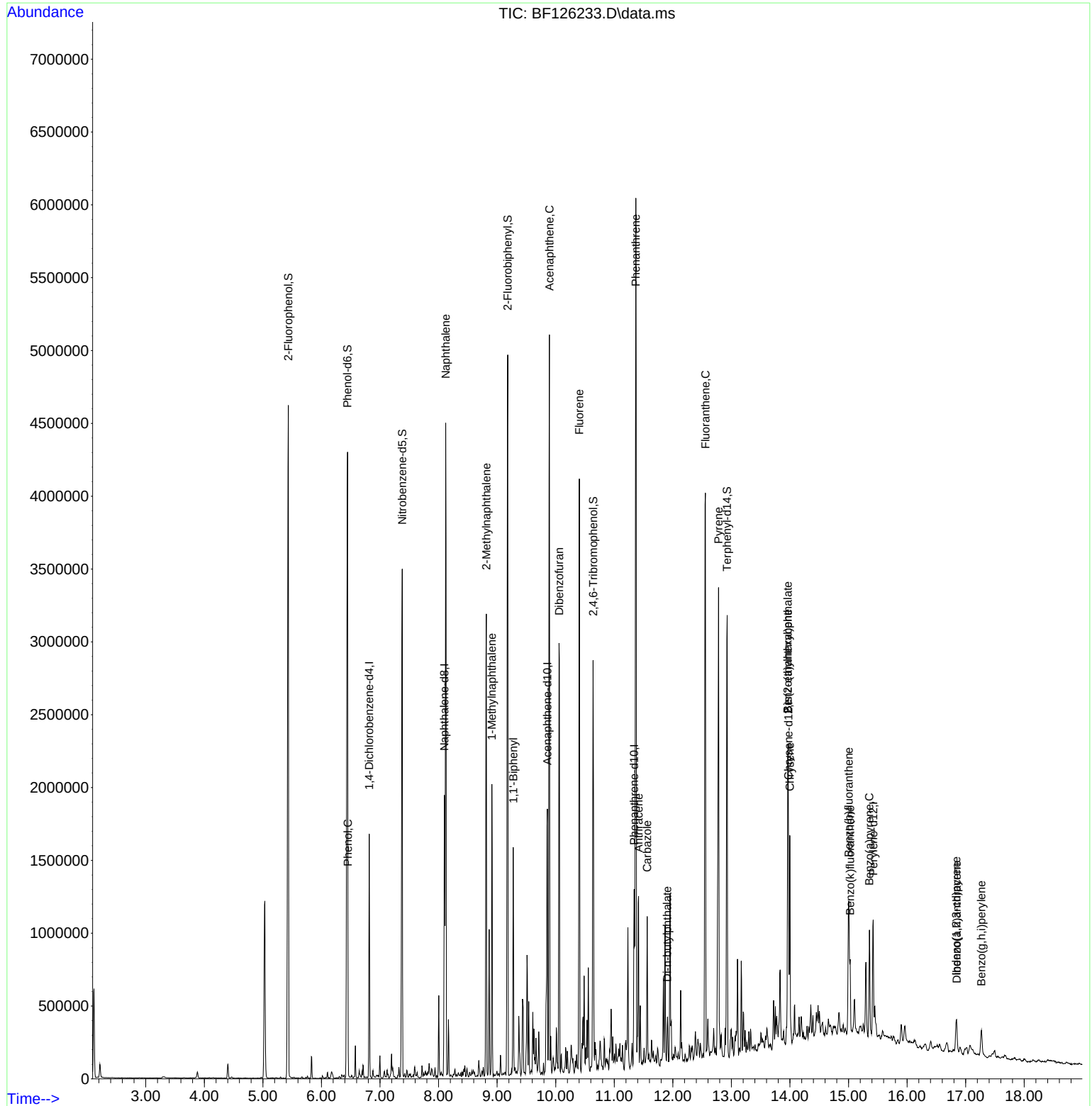
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

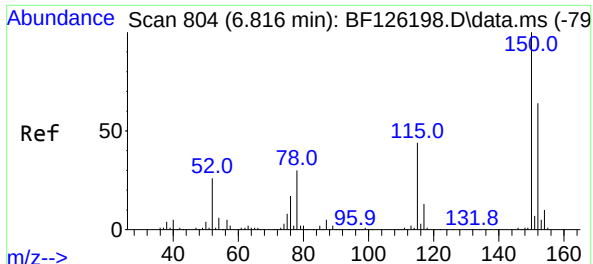
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	214780	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	898548	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	381661	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	476311	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	318394	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	322298	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1490562	102.201	ng	0.01
7) Phenol-d6	6.445	99	1915457	103.433	ng	0.00
23) Nitrobenzene-d5	7.381	82	1232675	74.298	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	266551	86.904	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1524589	70.061	ng	0.00
79) Terphenyl-d14	12.927	244	992484	54.180	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.451	94	63432	3.051	ng	96
31) Naphthalene	8.122	128	1997945	47.546	ng	99
37) 2-Methylnaphthalene	8.816	142	863731	33.377	ng	99
38) 1-Methylnaphthalene	8.910	142	492960	19.629	ng	95
46) 1,1'-Biphenyl	9.275	154	418391	14.826	ng	95
52) Acenaphthene	9.892	154	1081314	51.393	ng	99
55) Dibenzofuran	10.063	168	1130910	39.479	ng	95
58) Fluorene	10.404	166	1080806	52.117	ng	99
71) Phenanthrene	11.369	178	2573985	104.702	ng	95
72) Anthracene	11.416	178	428150	17.351	ng	99
73) Carbazole	11.563	167	348595	15.001	ng	97
74) Di-n-butylphthalate	11.904	149	66539	2.259	ng	99
75) Fluoranthene	12.557	202	1654954	74.717	ng	93
78) Pyrene	12.780	202	1298282	44.383	ng	96
81) Benzo(a)anthracene	13.963	228	501009	26.565	ng	99
83) Chrysene	13.998	228	470009	23.986	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	114131	7.420	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.839	276	138213	6.429	ng	95
88) Benzo(b)fluoranthene	15.004	252	540417m	27.906	ng	
89) Benzo(k)fluoranthene	15.027	252	134632m	7.267	ng	
90) Benzo(a)pyrene	15.357	252	306742	19.058	ng	# 94
91) Dibenzo(a,h)anthracene	16.851	278	38698	2.214	ng	# 82
92) Benzo(g,h,i)perylene	17.268	276	123208	6.814	ng	# 90

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

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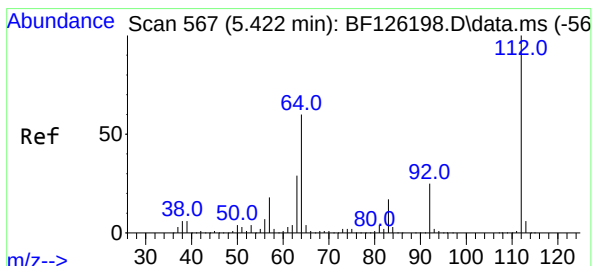
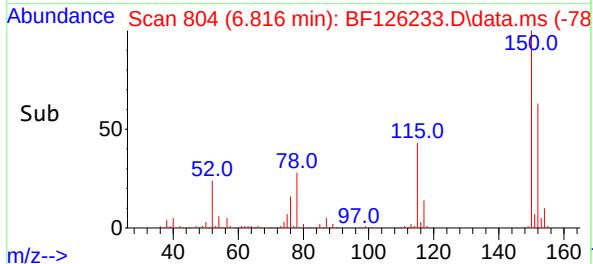
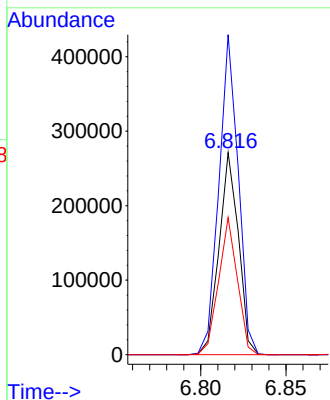
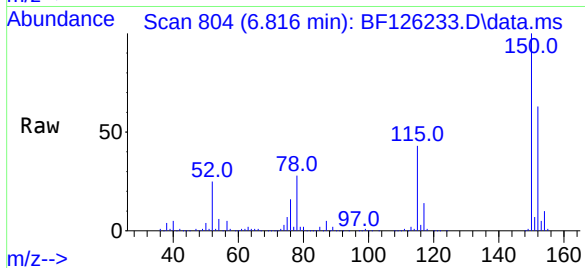




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:152 Resp: 214780

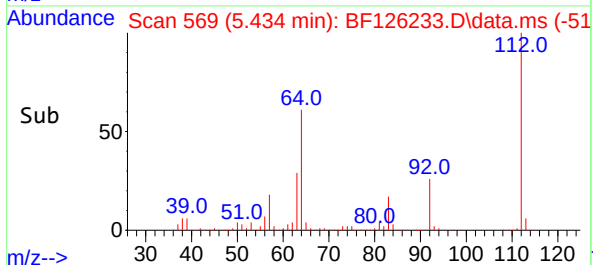
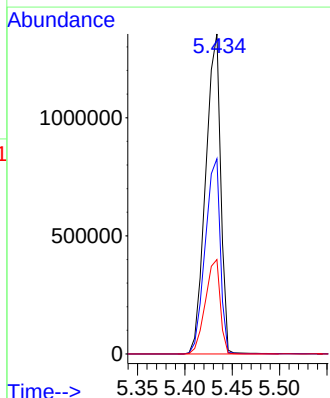
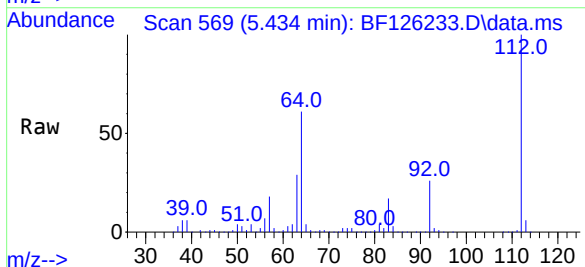
Ion	Ratio	Lower	Upper
152	100		
150	158.3	117.6	176.4
115	67.9	47.1	70.7

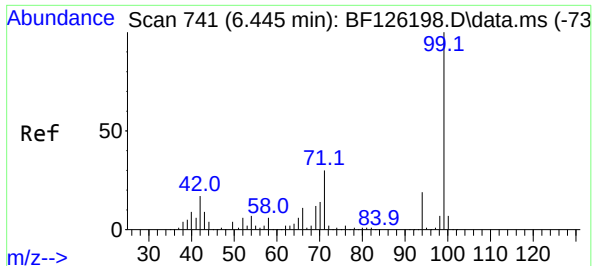


#5
2-Fluorophenol
Concen: 102.201 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:112 Resp: 1490562

Ion	Ratio	Lower	Upper
112	100		
64	61.0	44.2	66.2
63	29.5	26.2	39.2

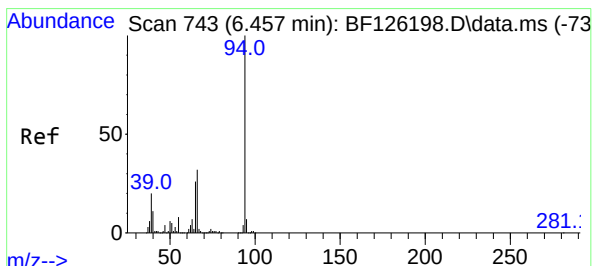
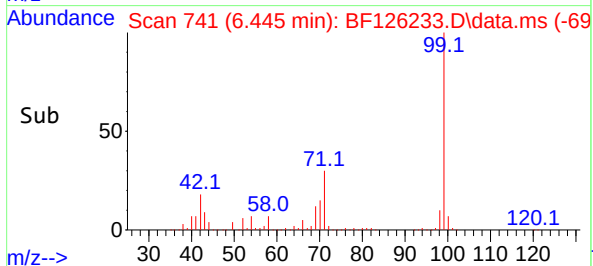
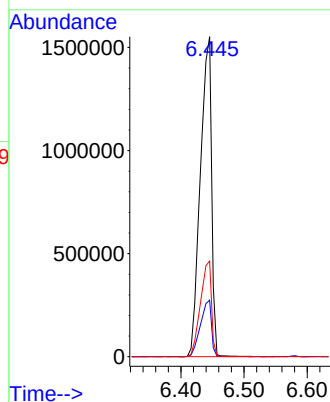
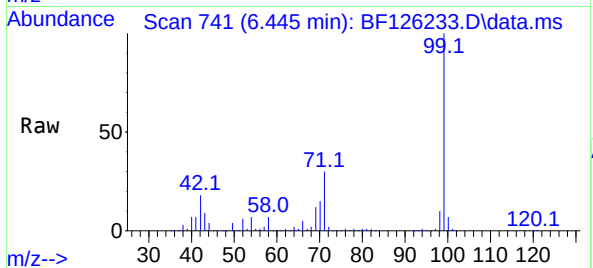




#7
Phenol-d6
Concen: 103.433 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion: 99 Resp: 1915457

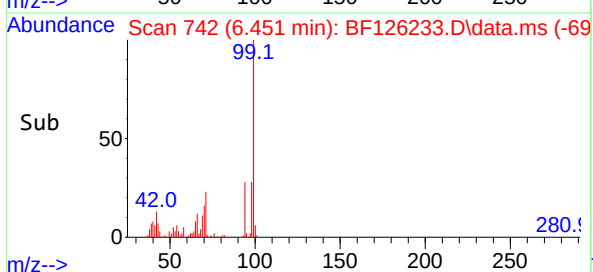
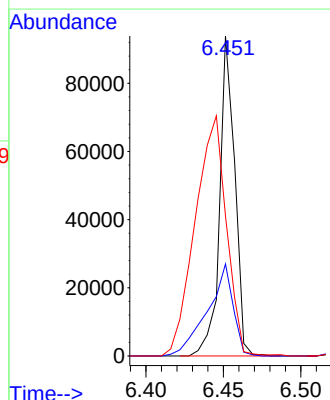
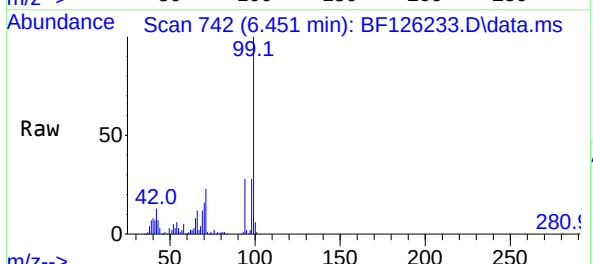
Ion	Ratio	Lower	Upper
99	100		
42	17.7	23.5	35.3#
71	29.9	25.6	38.4

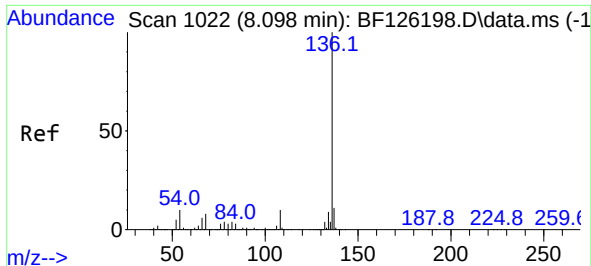


#10
Phenol
Concen: 3.051 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion: 94 Resp: 63432

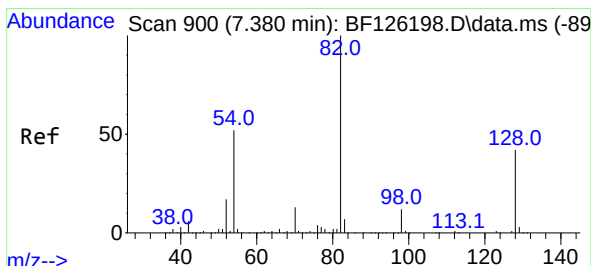
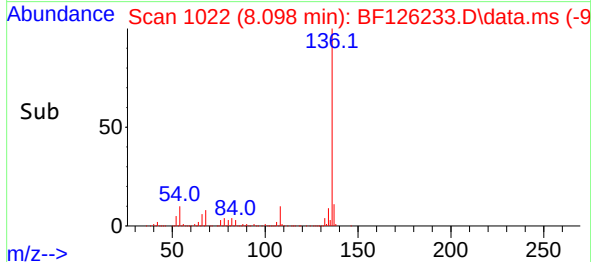
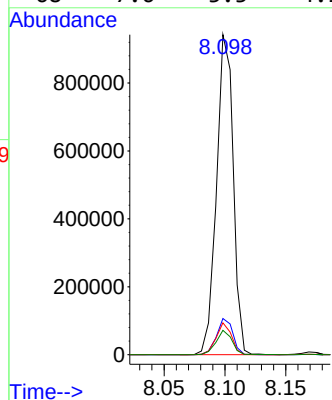
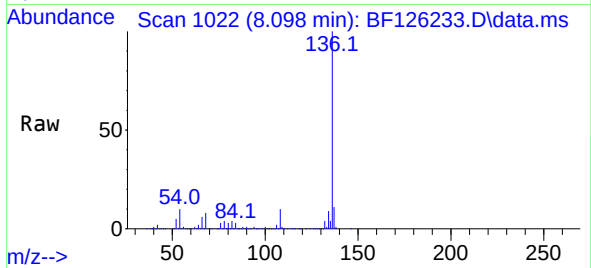
Ion	Ratio	Lower	Upper
94	100		
65	28.8	9.3	49.3
66	43.8	20.3	60.3





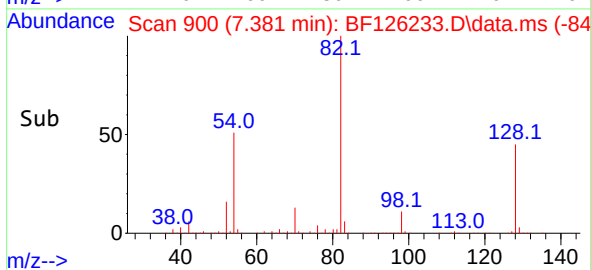
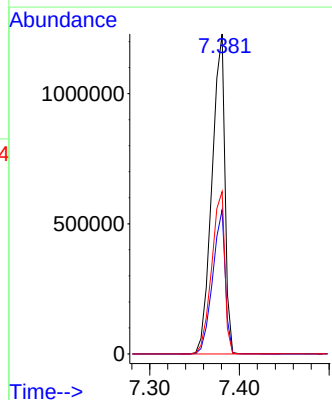
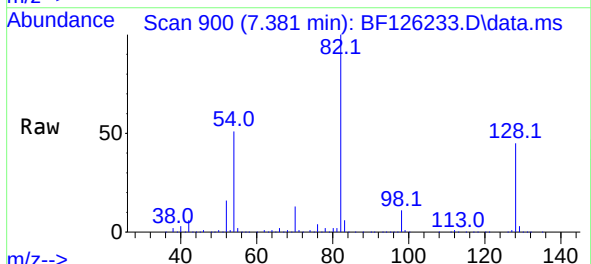
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

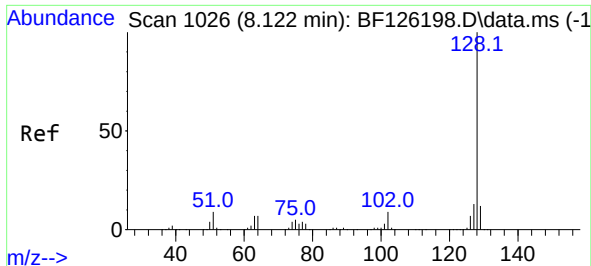
Tgt Ion:	136	Resp:	898548
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	10.0	6.4	9.6#
68	7.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 74.298 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:	82	Resp:	1232675
Ion	Ratio	Lower	Upper
82	100		
128	45.0	40.6	60.8
54	50.8	49.6	74.4

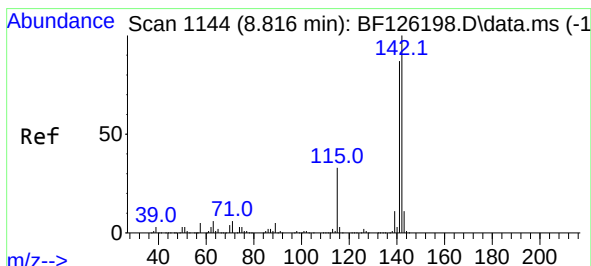
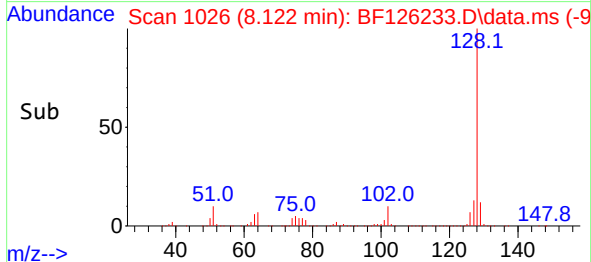
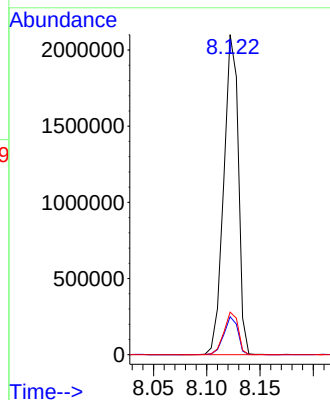
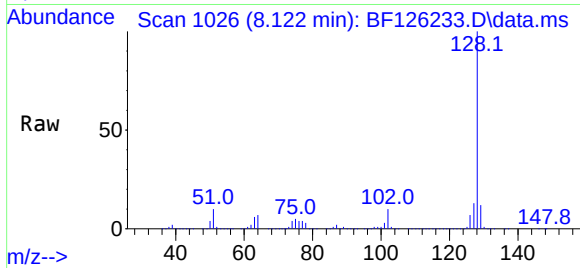




#31
Naphthalene
Concen: 47.546 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:128 Resp: 1997945

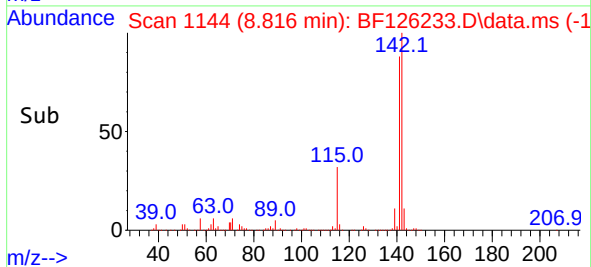
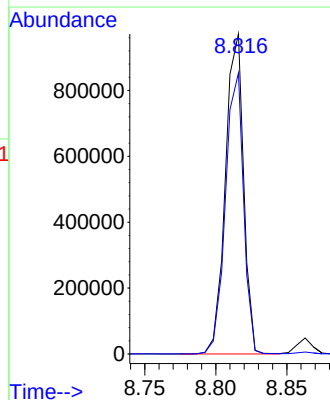
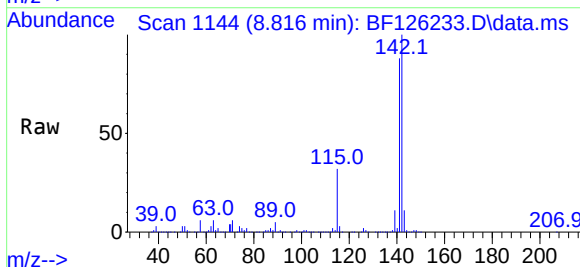
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.0
127	13.3	10.9	16.3

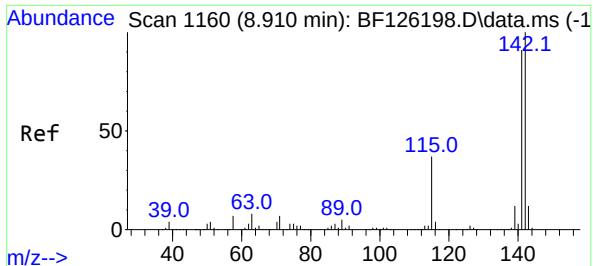


#37
2-Methylnaphthalene
Concen: 33.377 ng
RT: 8.816 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:142 Resp: 863731

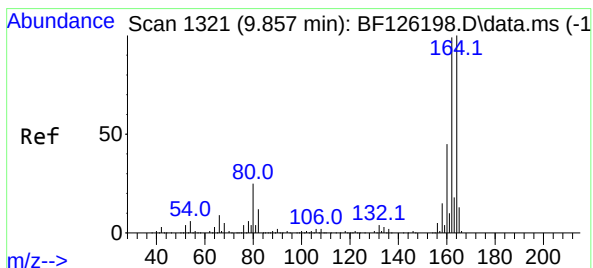
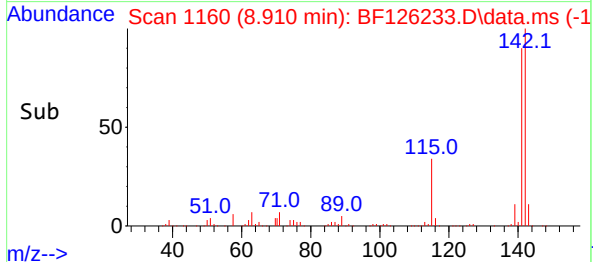
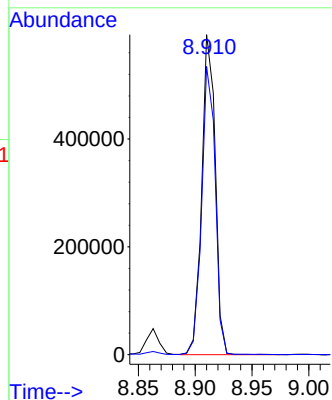
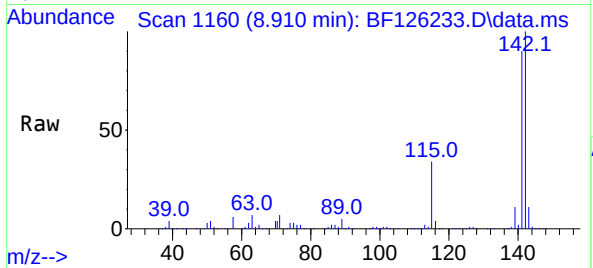
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.2	106.8





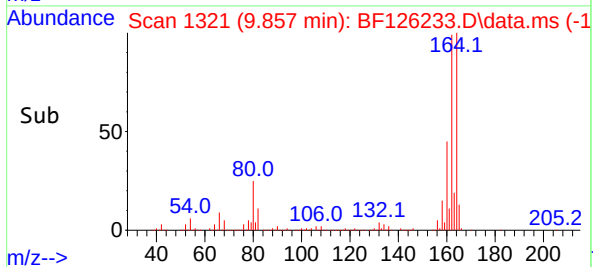
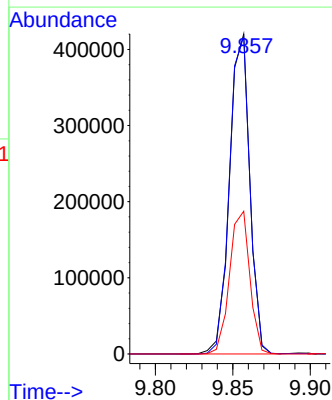
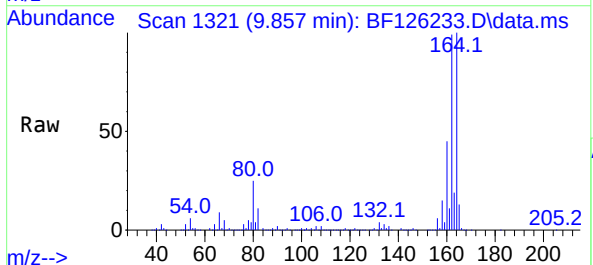
#38
1-Methylnaphthalene
Concen: 19.629 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

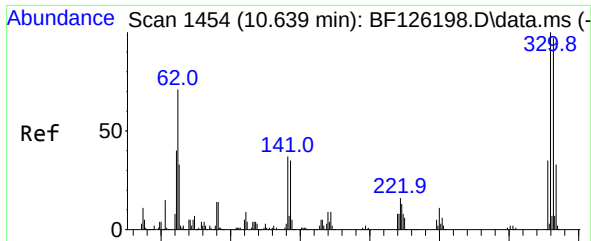
Tgt Ion:142 Resp: 492960
Ion Ratio Lower Upper
142 100
141 90.0 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

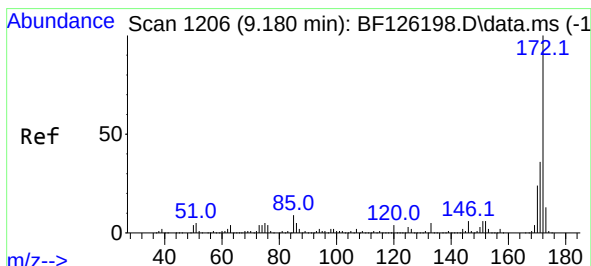
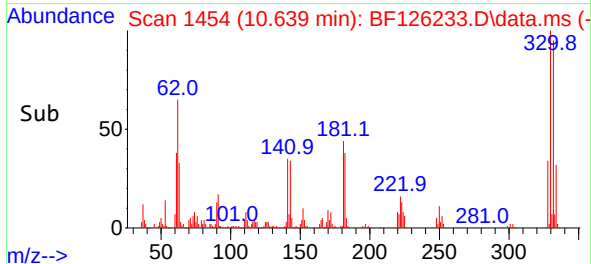
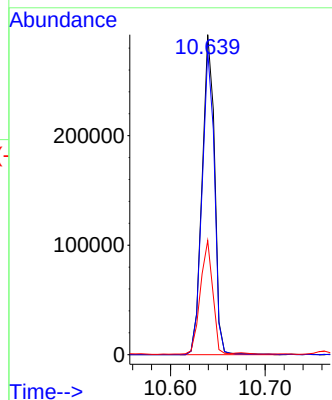
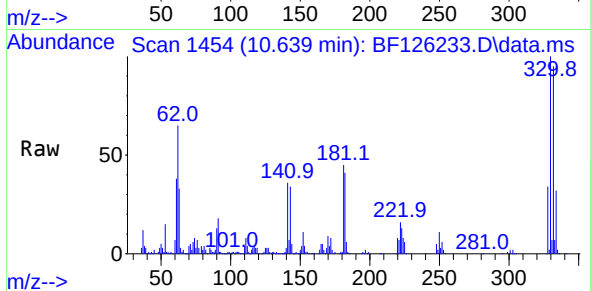
Tgt Ion:164 Resp: 381661
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 44.6 38.0 57.0





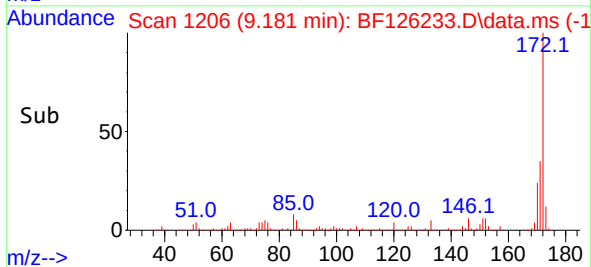
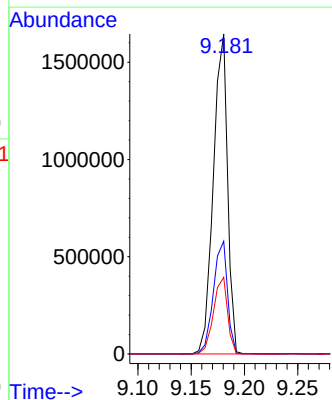
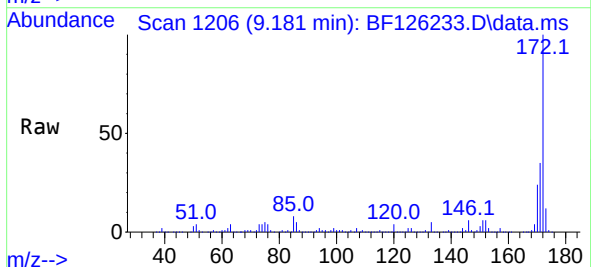
#42
2,4,6-Tribromophenol
Concen: 86.904 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

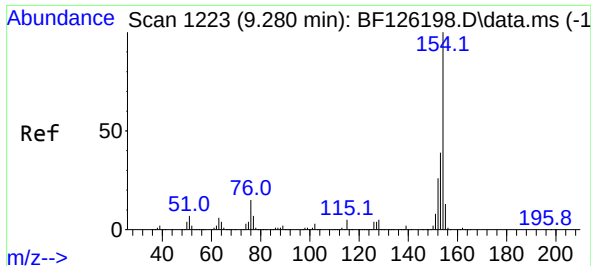
Tgt Ion: 330 Resp: 266551
Ion Ratio Lower Upper
330 100
332 94.3 76.2 114.4
141 35.5 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 70.061 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

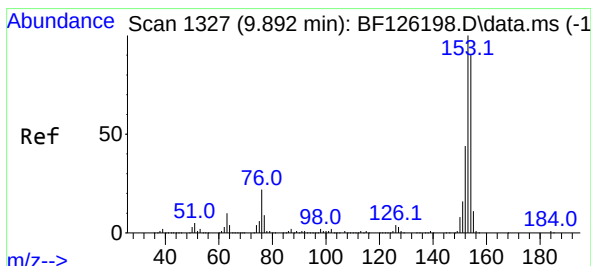
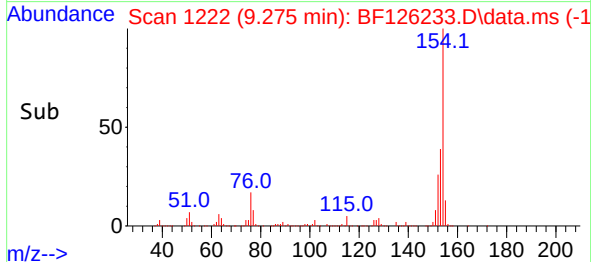
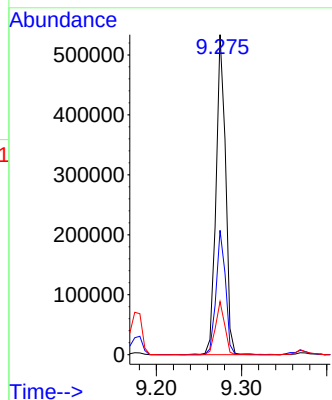
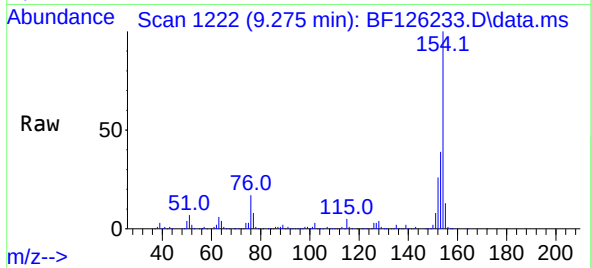
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Ion Ratio Lower Upper
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171 35.2 26.5 39.7
170 23.9 18.8 28.2





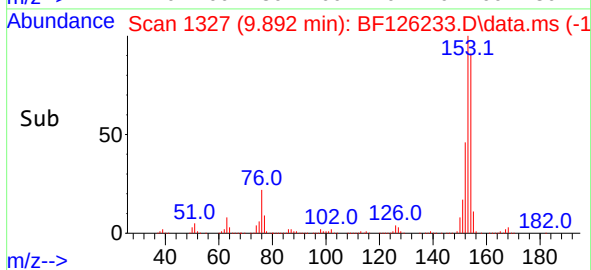
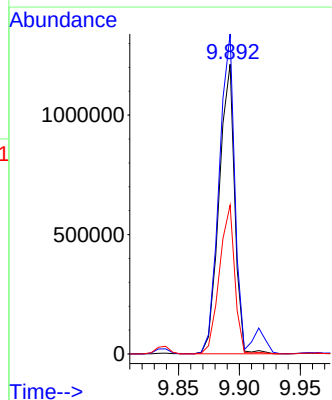
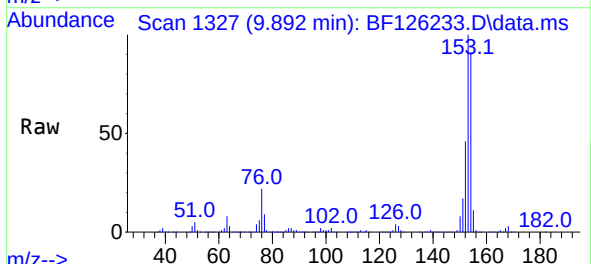
#46
1,1'-Biphenyl
Concen: 14.826 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

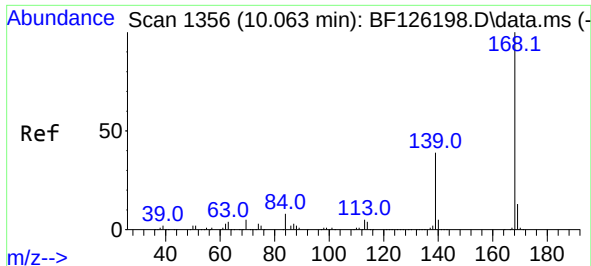
Tgt Ion:154 Resp: 418391
Ion Ratio Lower Upper
154 100
153 38.8 20.0 60.0
76 16.6 0.0 30.3



#52
Acenaphthene
Concen: 51.393 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

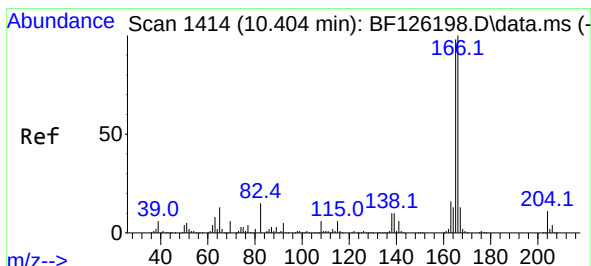
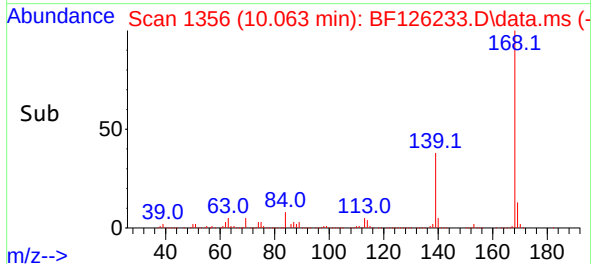
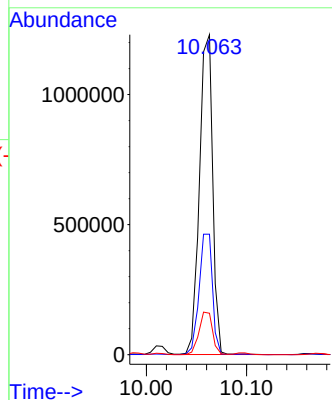
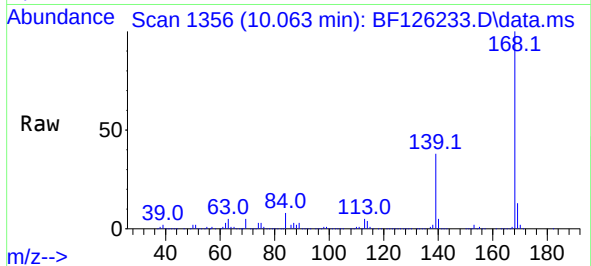
Tgt Ion:154 Resp: 1081314
Ion Ratio Lower Upper
154 100
153 110.4 89.4 134.2
152 51.3 40.5 60.7





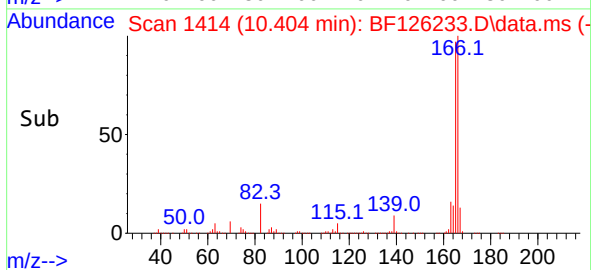
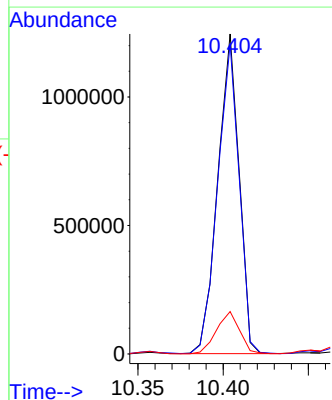
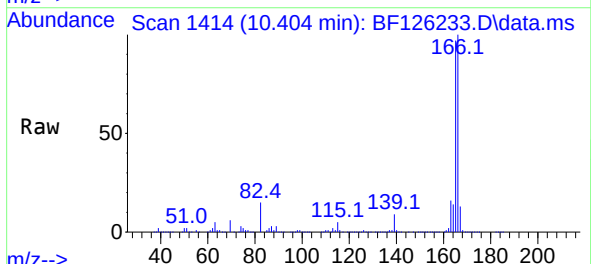
#55
Dibenzofuran
Concen: 39.479 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

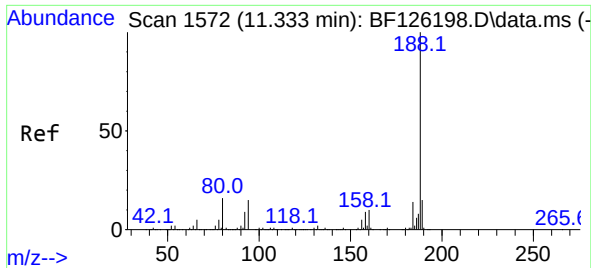
Tgt Ion:168 Resp: 1130910
Ion Ratio Lower Upper
168 100
139 37.6 32.7 49.1
169 13.0 11.2 16.8



#58
Fluorene
Concen: 52.117 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

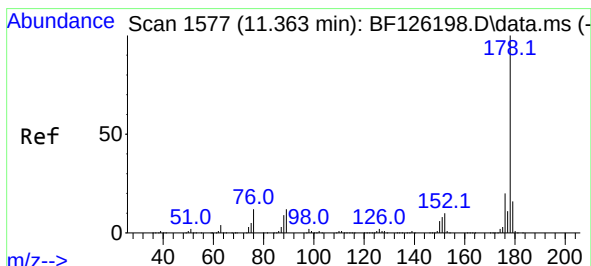
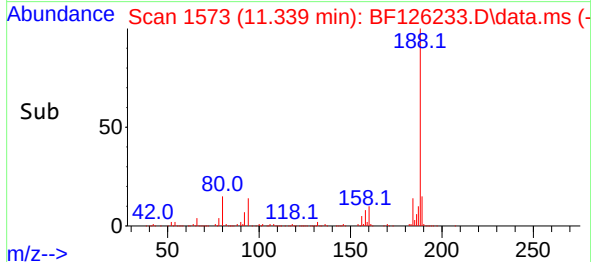
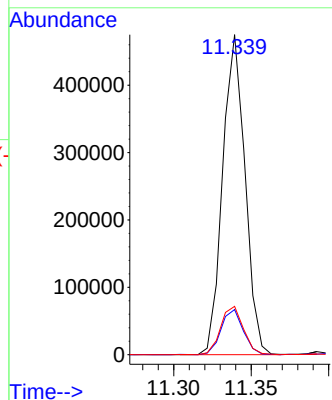
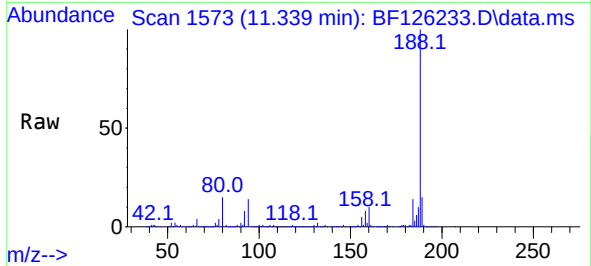
Tgt Ion:166 Resp: 1080806
Ion Ratio Lower Upper
166 100
165 97.0 78.1 117.1
167 13.3 11.1 16.7





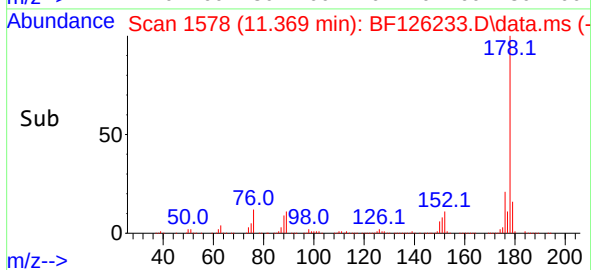
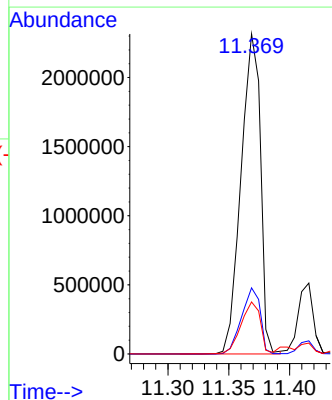
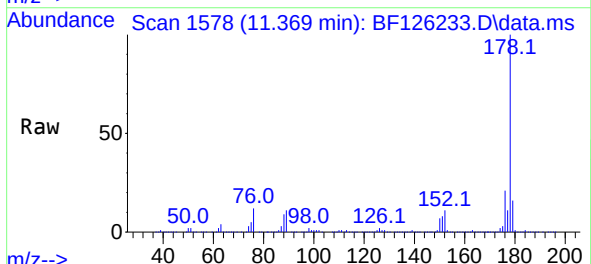
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

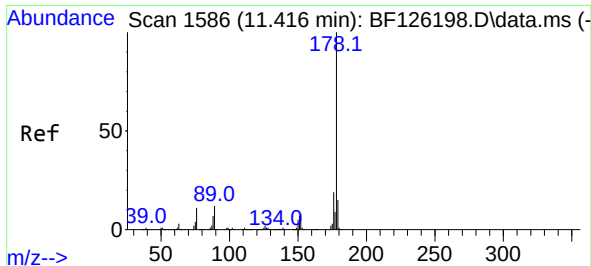
Tgt Ion:188 Resp: 476311
Ion Ratio Lower Upper
188 100
94 14.1 6.7 10.1#
80 15.1 7.5 11.3#



#71
Phenanthrene
Concen: 104.702 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

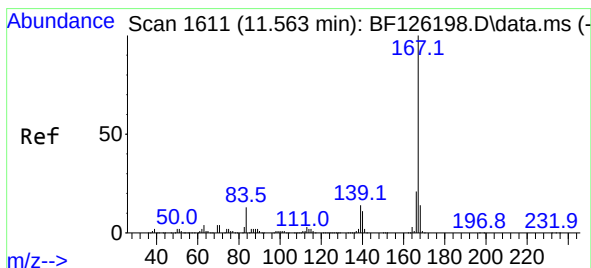
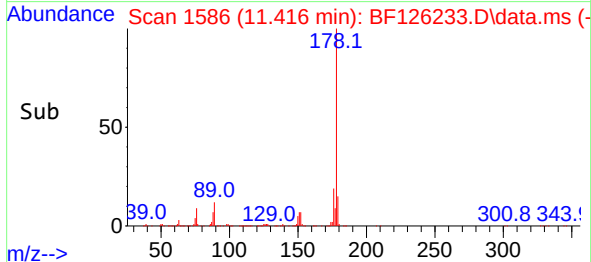
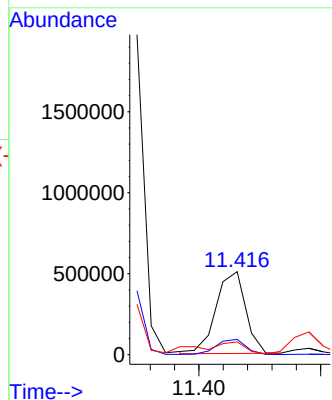
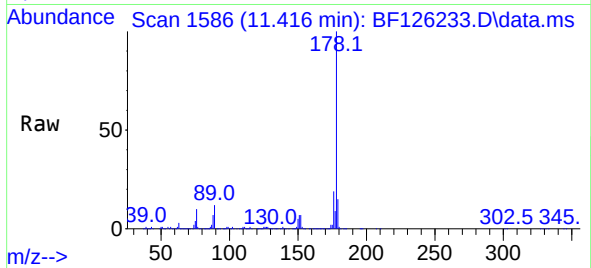
Tgt Ion:178 Resp: 2573985
Ion Ratio Lower Upper
178 100
176 20.6 14.7 22.1
179 16.3 11.5 17.3





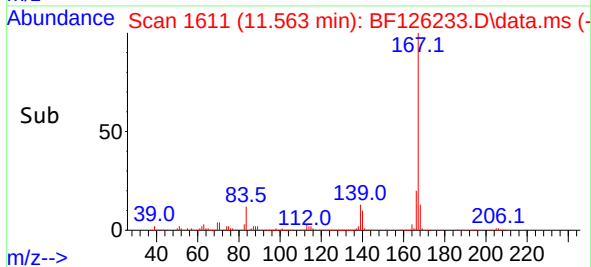
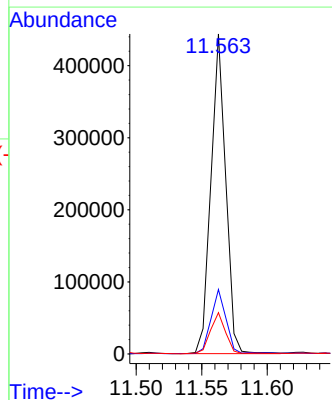
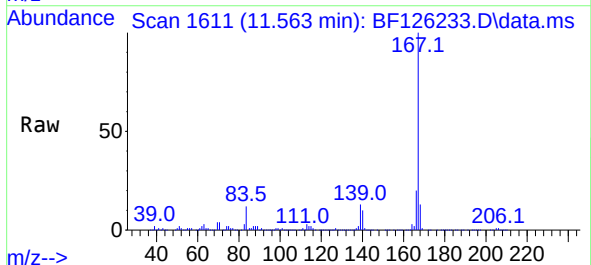
#72
 Anthracene
 Concen: 17.351 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: BF126233.D
 Acq: 17 Dec 2021 14:02

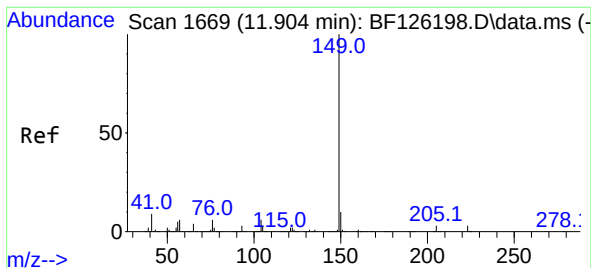
Tgt Ion:178 Resp: 428150
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.3 21.5
 179 15.4 12.2 18.4



#73
 Carbazole
 Concen: 15.001 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126233.D
 Acq: 17 Dec 2021 14:02

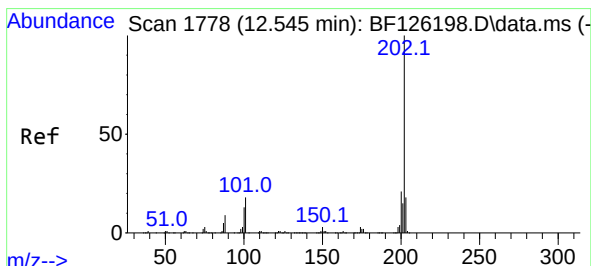
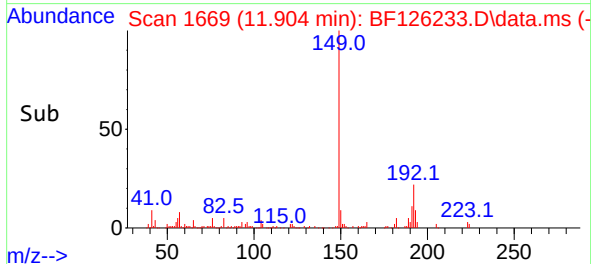
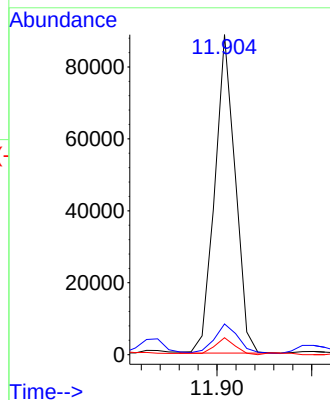
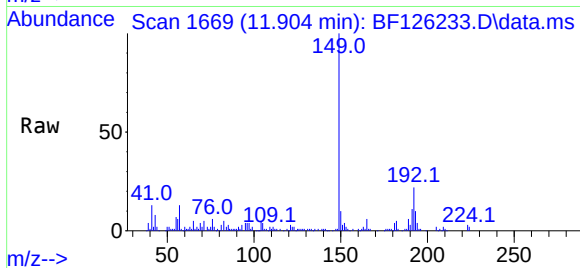
Tgt Ion:167 Resp: 348595
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 12.9 11.0 16.4





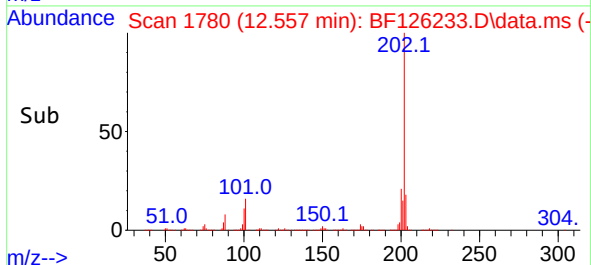
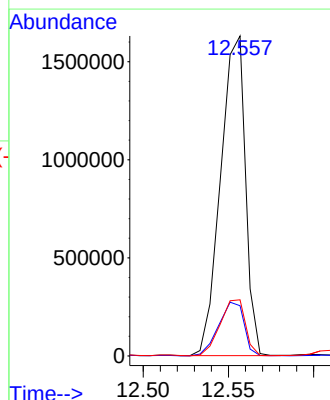
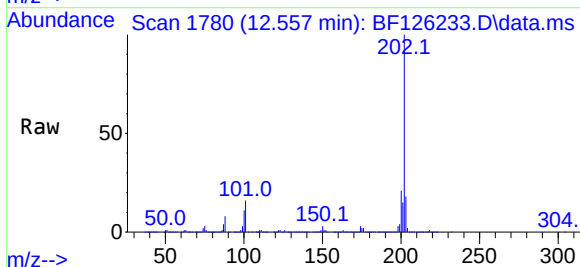
#74
Di-n-butylphthalate
Concen: 2.259 ng
RT: 11.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

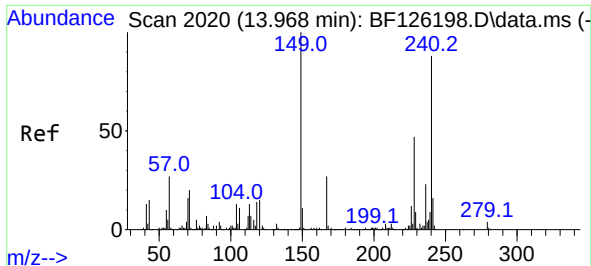
Tgt Ion:149 Resp: 66539
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.2
104 5.3 4.1 6.1



#75
Fluoranthene
Concen: 74.717 ng
RT: 12.557 min Scan# 1780
Delta R.T. 0.012 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

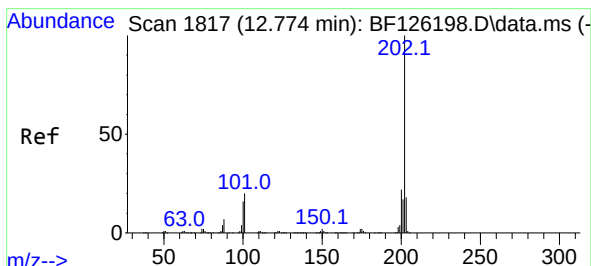
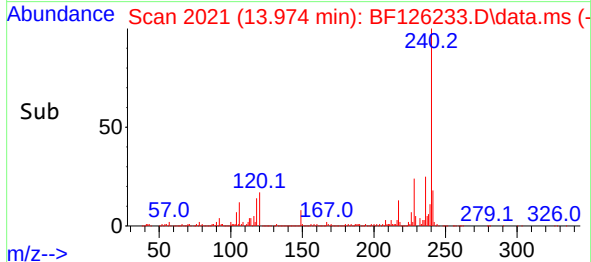
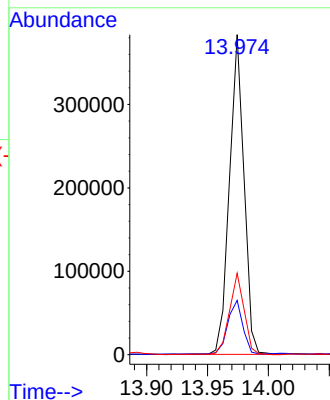
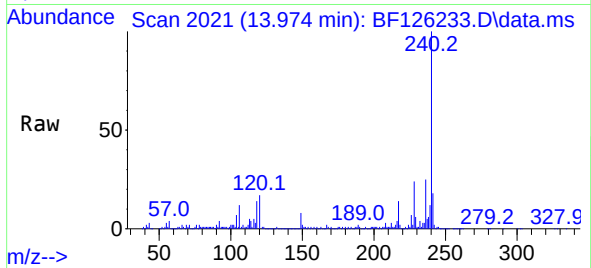
Tgt Ion:202 Resp: 1654954
Ion Ratio Lower Upper
202 100
101 15.7 0.0 30.7
203 17.5 0.0 36.3





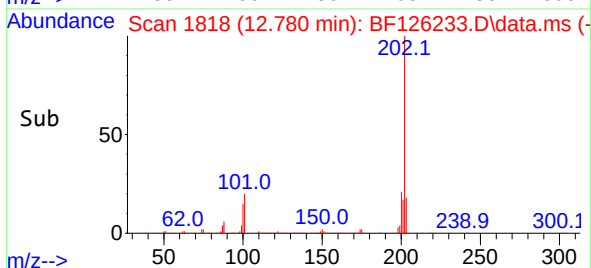
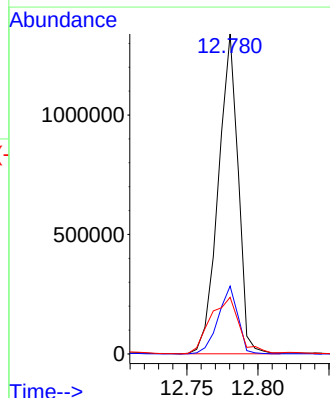
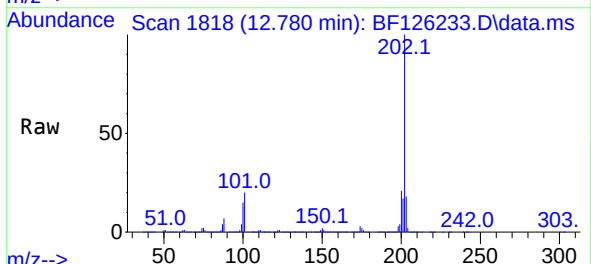
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

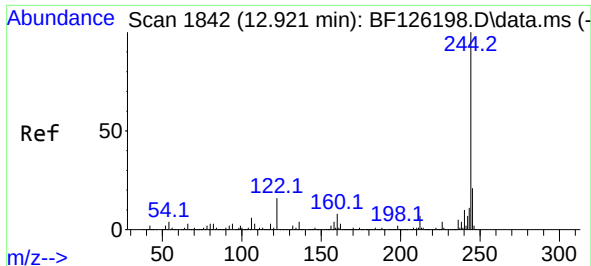
Tgt Ion:240 Resp: 318394
Ion Ratio Lower Upper
240 100
120 17.0 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 44.383 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

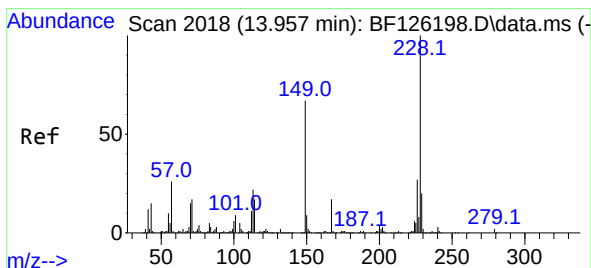
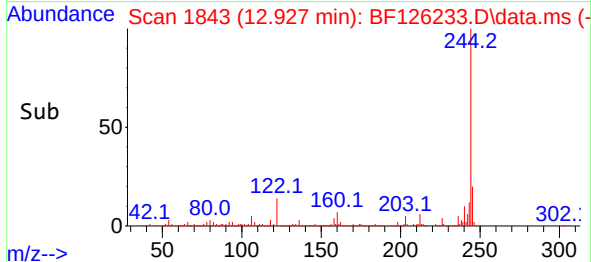
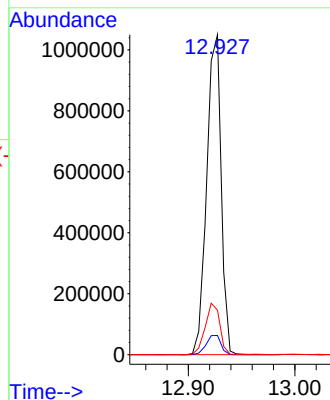
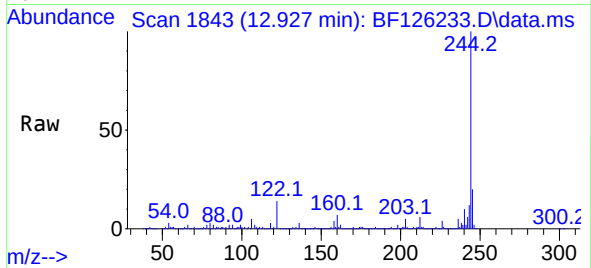
Tgt Ion:202 Resp: 1298282
Ion Ratio Lower Upper
202 100
200 21.2 15.3 22.9
203 17.7 13.4 20.0





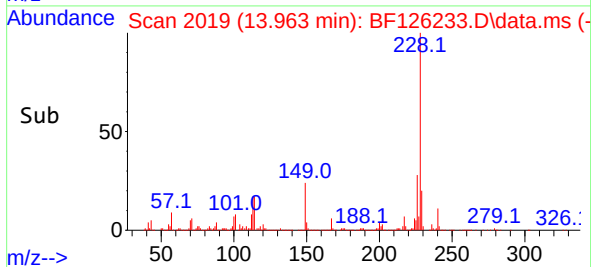
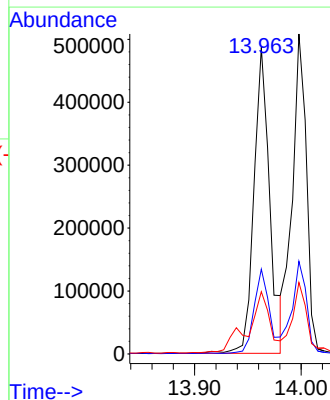
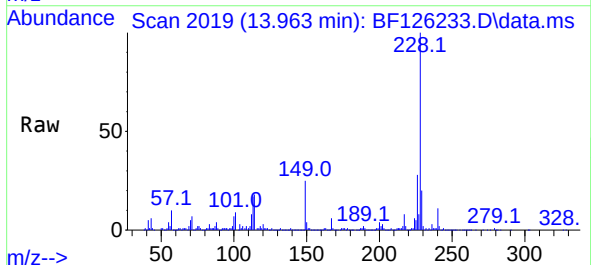
#79
Terphenyl-d14
Concen: 54.180 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

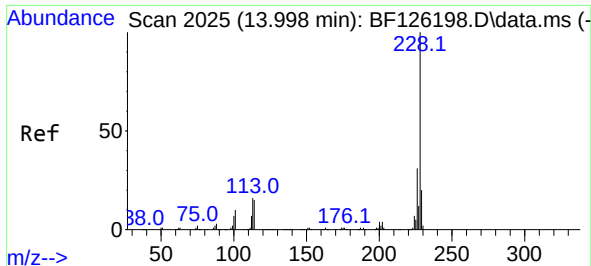
Tgt Ion:244 Resp: 992484
Ion Ratio Lower Upper
244 100
212 6.0 5.9 8.9
122 13.9 9.0 13.4#



#81
Benzo(a)anthracene
Concen: 26.565 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

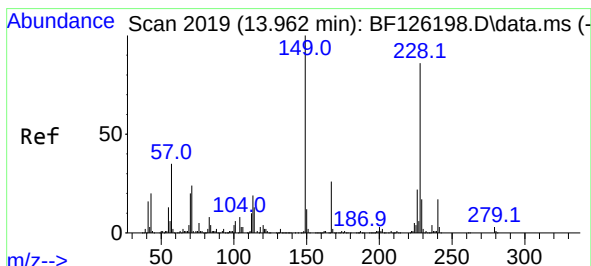
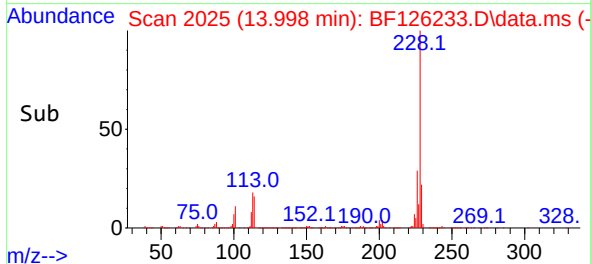
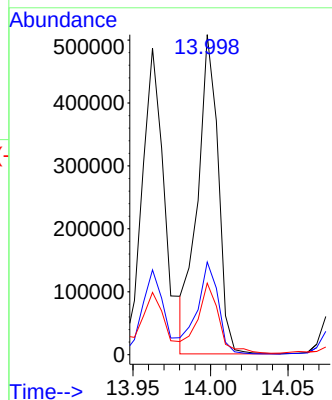
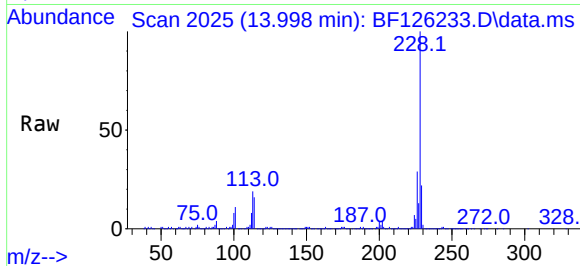
Tgt Ion:228 Resp: 501009
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.3 15.6 23.4





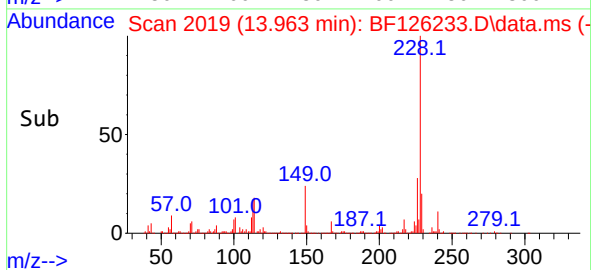
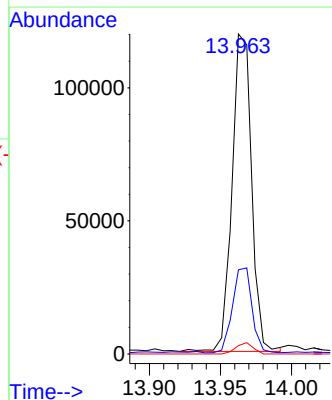
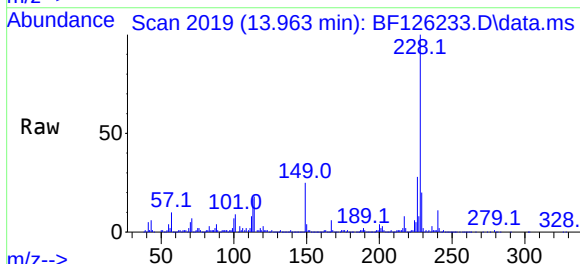
#83
Chrysene
Concen: 23.986 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

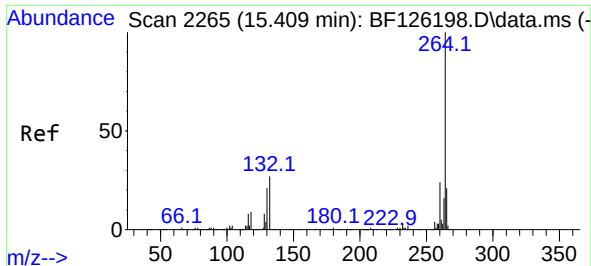
Tgt Ion:228 Resp: 470009
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.4 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.420 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

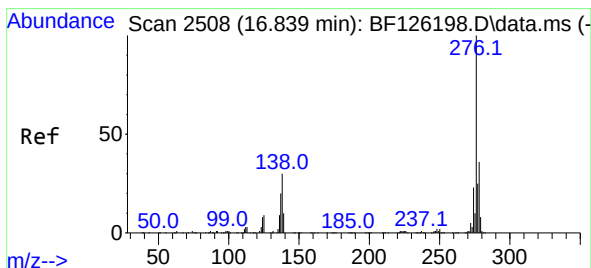
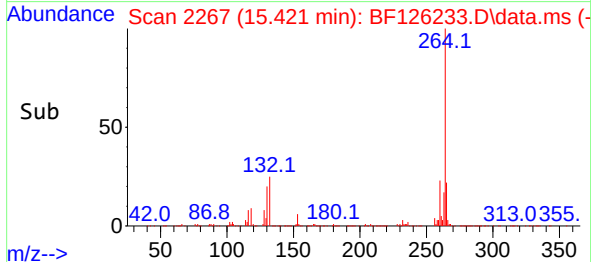
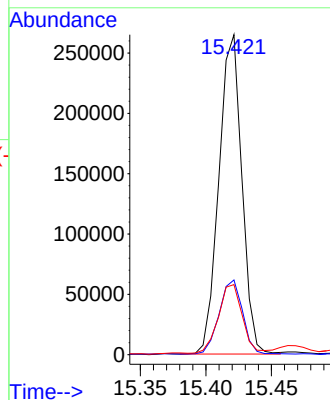
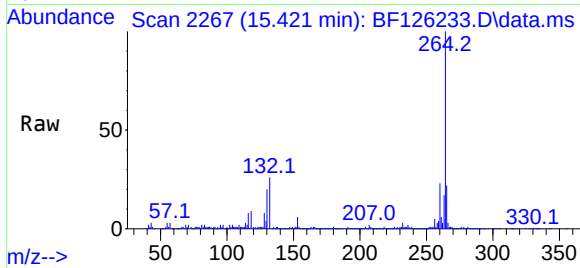
Tgt Ion:149 Resp: 114131
Ion Ratio Lower Upper
149 100
167 26.3 21.4 32.0
279 2.6 2.6 4.0#





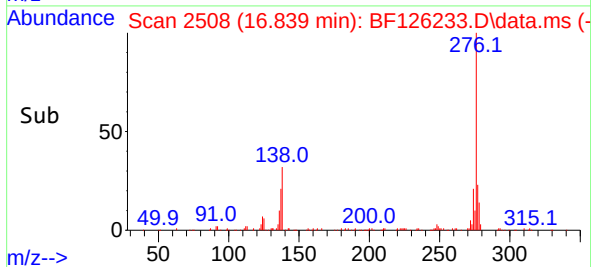
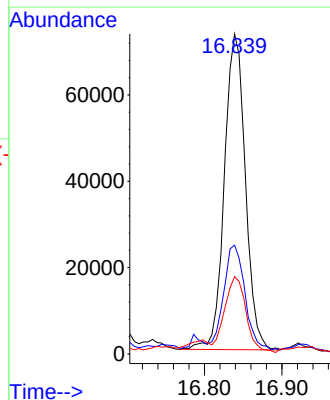
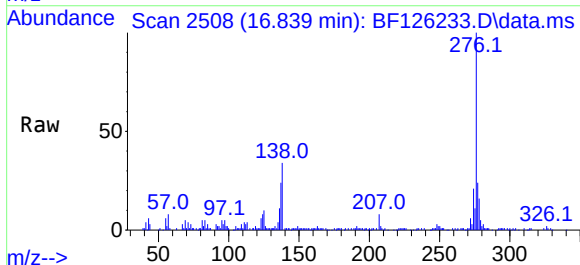
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

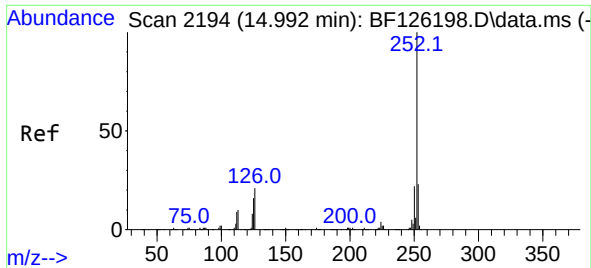
Tgt Ion: 264 Resp: 322298
Ion Ratio Lower Upper
264 100
260 23.3 19.6 29.4
265 21.9 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.429 ng
RT: 16.839 min Scan# 2508
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

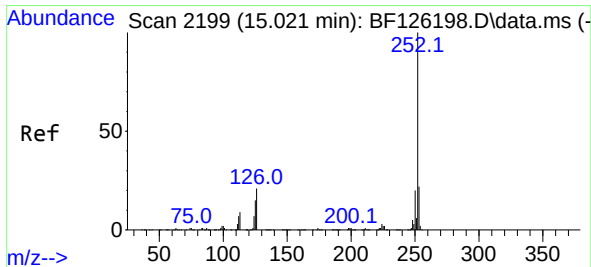
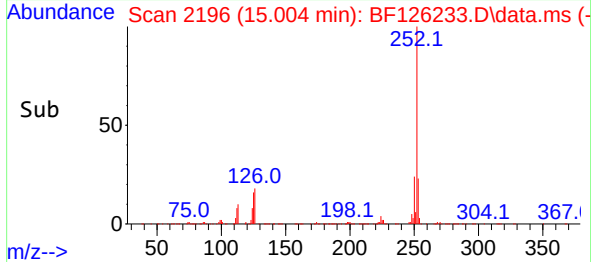
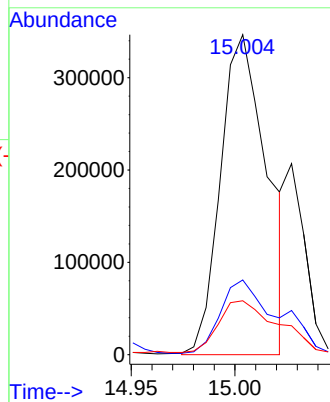
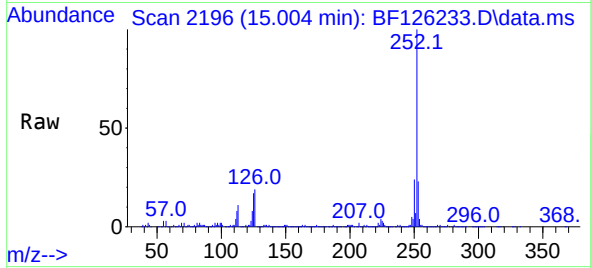
Tgt Ion: 276 Resp: 138213
Ion Ratio Lower Upper
276 100
138 33.9 24.1 36.1
277 24.3 18.8 28.2





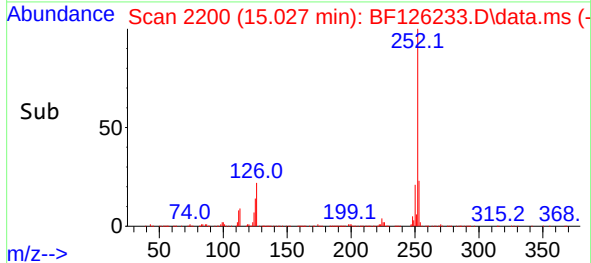
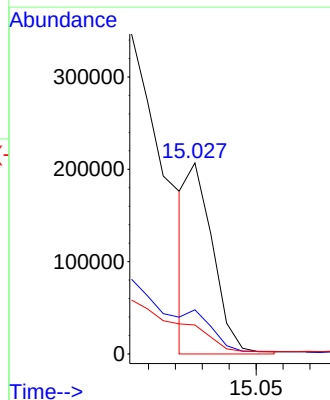
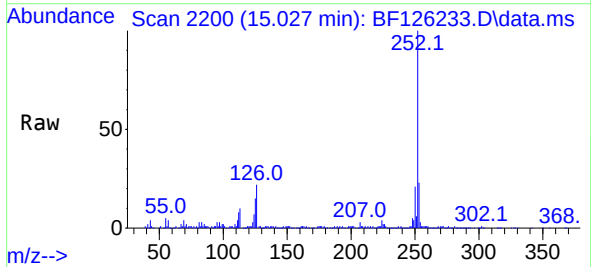
#88
Benzo(b)fluoranthene
Concen: 27.906 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

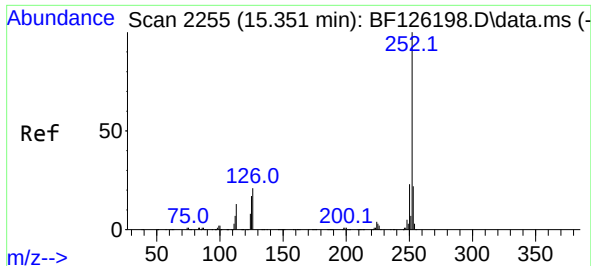
Tgt Ion:252 Resp: 540417
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 16.8 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 7.267 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

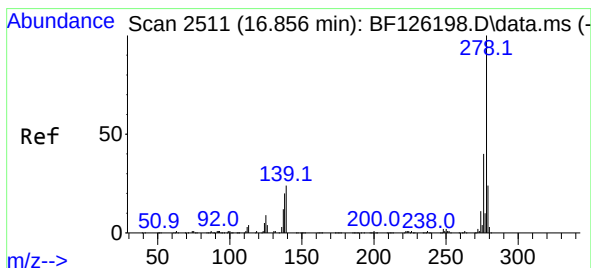
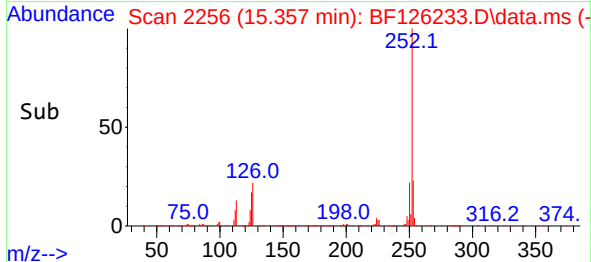
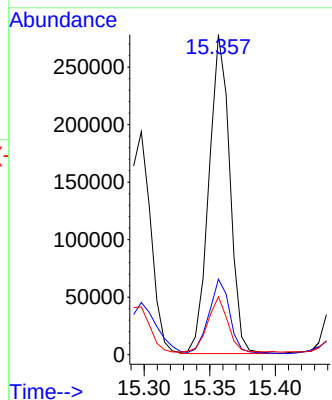
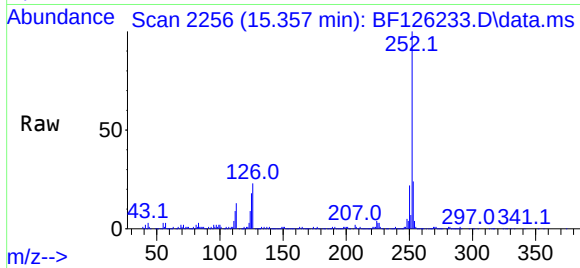
Tgt Ion:252 Resp: 134632
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 15.2 7.2 10.8#





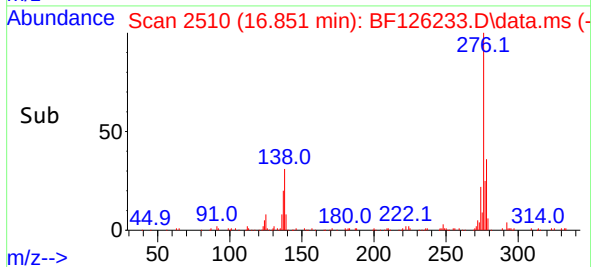
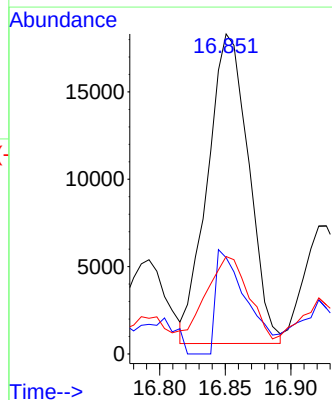
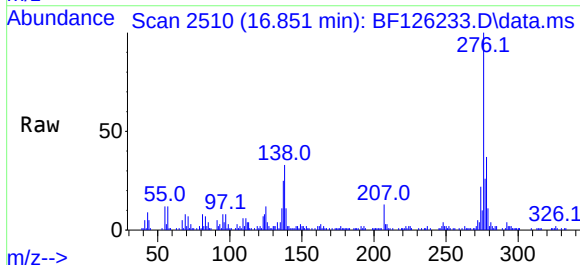
#90
Benzo(a)pyrene
Concen: 19.058 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

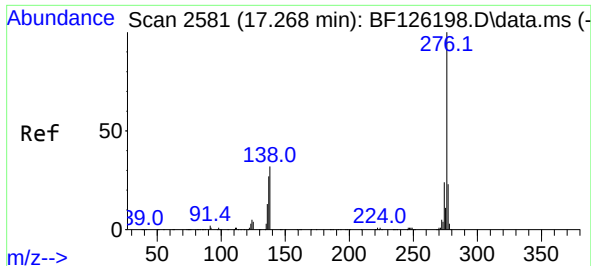
Tgt Ion:252 Resp: 306742
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 18.1 9.9 14.9#



#91
Dibenzo(a,h)anthracene
Concen: 2.214 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.006 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion:278 Resp: 38698
Ion Ratio Lower Upper
278 100
139 30.1 14.9 22.3#
279 30.4 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 6.814 ng
RT: 17.268 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BF126233.D
Acq: 17 Dec 2021 14:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	22.0	33.0
138	34.8	22.2	33.4

