

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126237.D
 Acq On : 17 Dec 2021 16:14
 Operator : JU/CG
 Sample : M5083-11DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 16:36:09 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

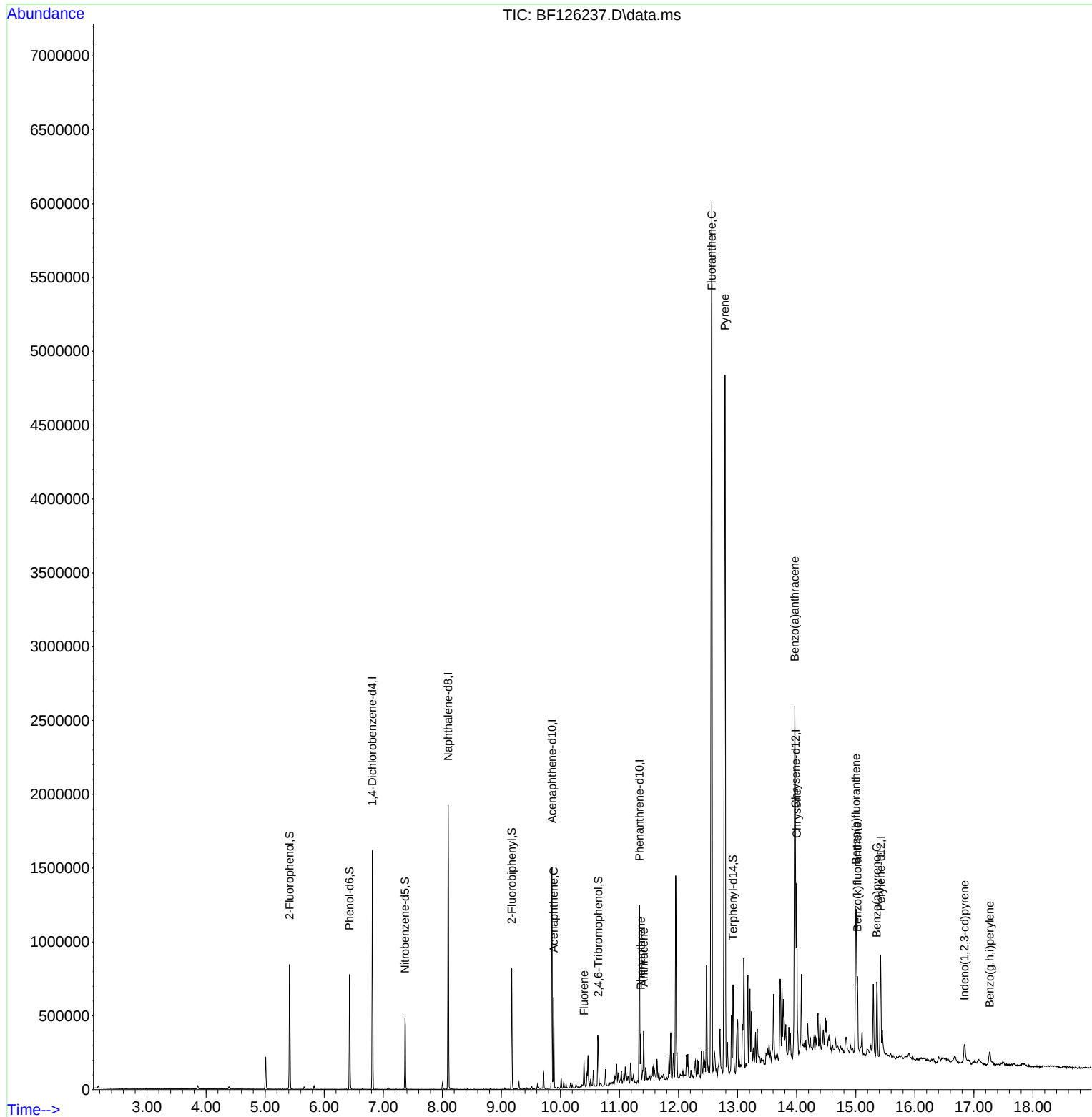
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	210437	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	791432	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	307481	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	412240	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	331416	20.000	ng	0.01
86) Perylene-d12	15.421	264	270750	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	214644	15.021	ng	0.00
7) Phenol-d6	6.428	99	259068	14.278	ng	-0.02
23) Nitrobenzene-d5	7.369	82	147257	10.077	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	29464	11.924	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	213202	12.161	ng	0.00
79) Terphenyl-d14	12.921	244	147056	7.712	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.886	154	115138	6.793	ng	99
58) Fluorene	10.398	166	42282	2.531	ng	99
71) Phenanthrene	11.363	178	117747	5.534	ng	98
72) Anthracene	11.410	178	122012	5.713	ng	99
75) Fluoranthene	12.563	202	2853524	148.853	ng	89
78) Pyrene	12.786	202	2242053	73.636	ng	94
81) Benzo(a)anthracene	13.968	228	775249	39.490	ng	98
83) Chrysene	14.004	228	514740	25.236	ng	96
87) Indeno(1,2,3-cd)pyrene	16.839	276	71203	3.943	ng	94
88) Benzo(b)fluoranthene	15.004	252	536247m	32.963	ng	
89) Benzo(k)fluoranthene	15.027	252	157778m	10.138	ng	
90) Benzo(a)pyrene	15.357	252	225068	16.646	ng	# 93
92) Benzo(g,h,i)perylene	17.268	276	57355	3.776	ng	# 91

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

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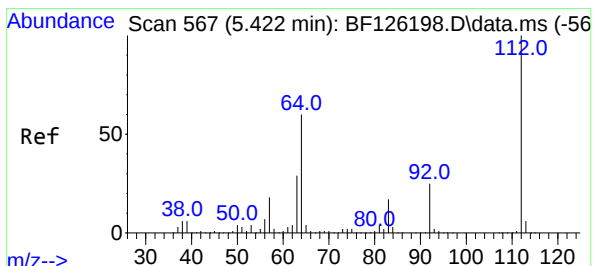
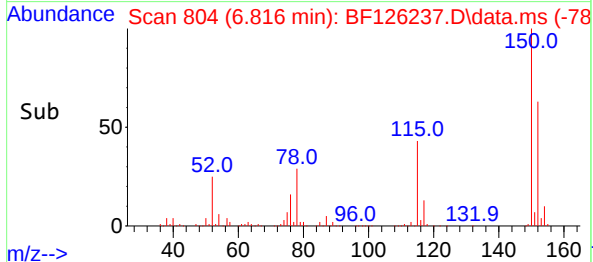
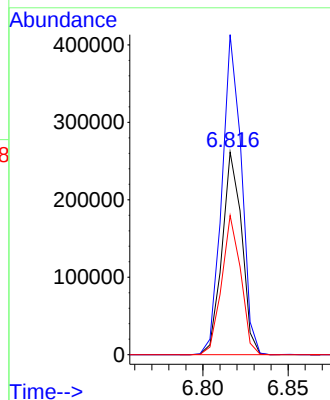
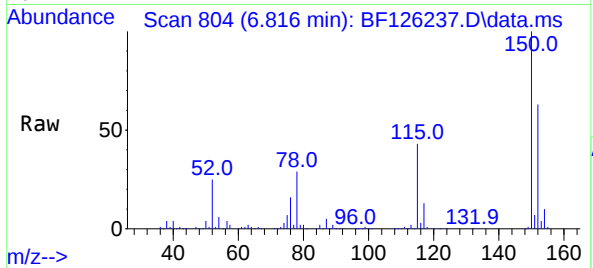
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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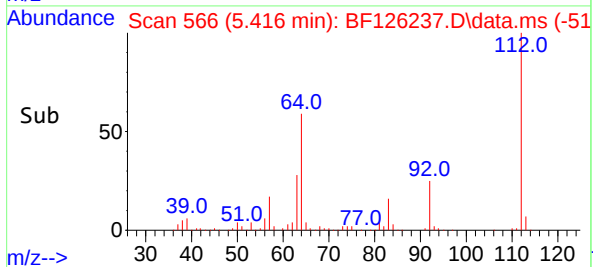
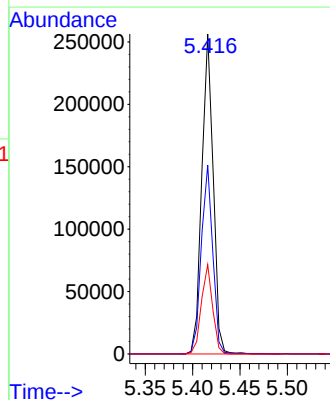
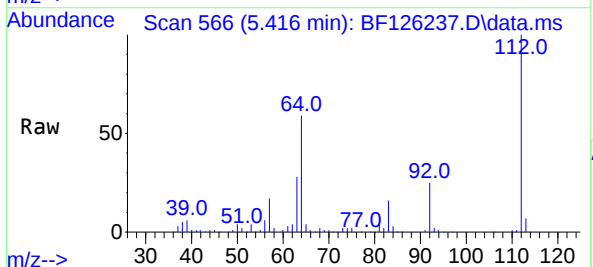
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

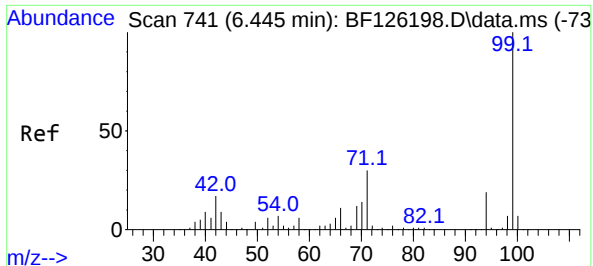
Tgt Ion:152 Resp: 210437
Ion Ratio Lower Upper
152 100
150 158.0 117.6 176.4
115 68.7 47.1 70.7



#5
2-Fluorophenol
Concen: 15.021 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

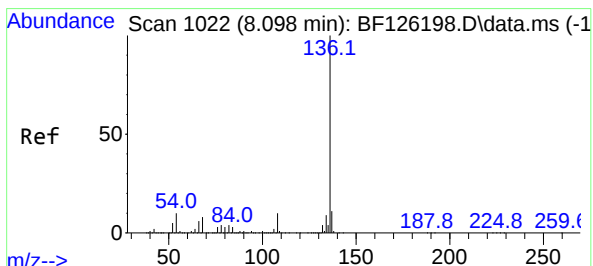
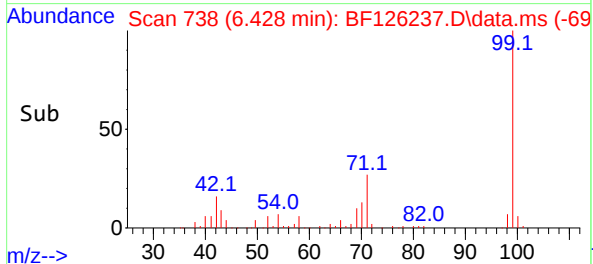
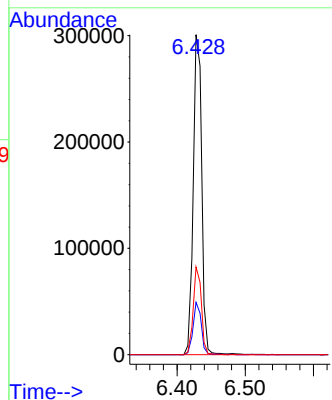
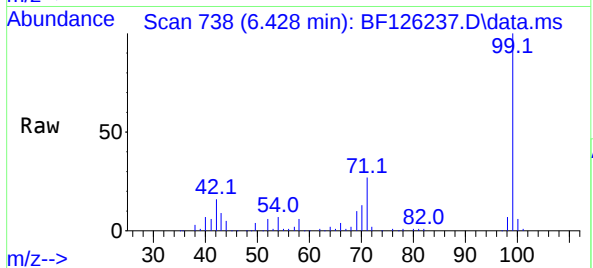
Tgt Ion:112 Resp: 214644
Ion Ratio Lower Upper
112 100
64 59.0 44.2 66.2
63 27.9 26.2 39.2





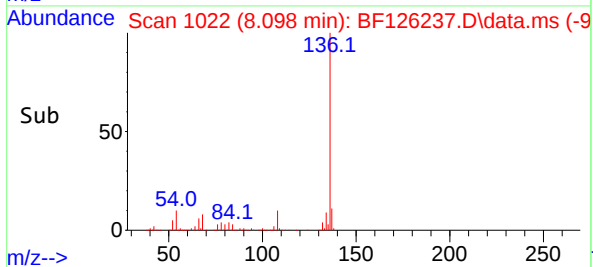
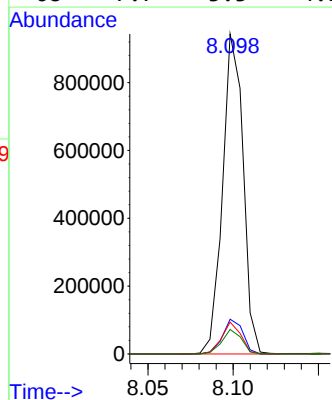
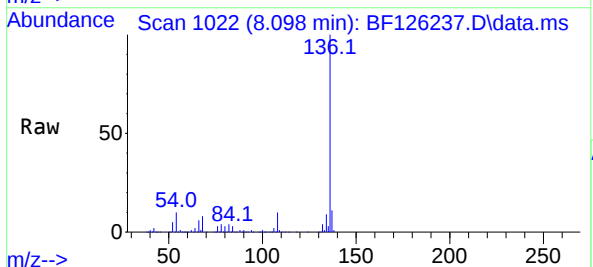
#7
Phenol-d6
Concen: 14.278 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

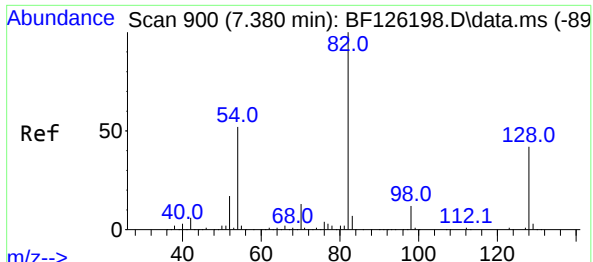
Tgt Ion: 99 Resp: 259068
Ion Ratio Lower Upper
99 100
42 16.4 23.5 35.3#
71 27.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion: 136 Resp: 791432
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.0 6.4 9.6#
68 7.7 3.3 4.9#

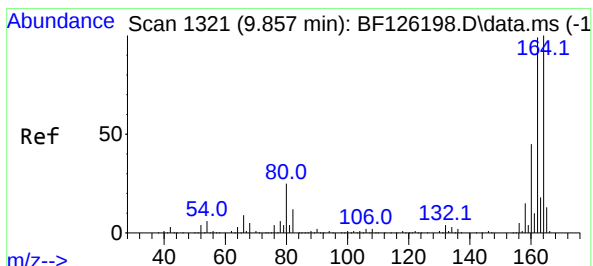
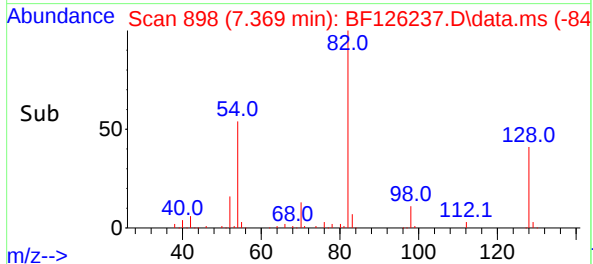
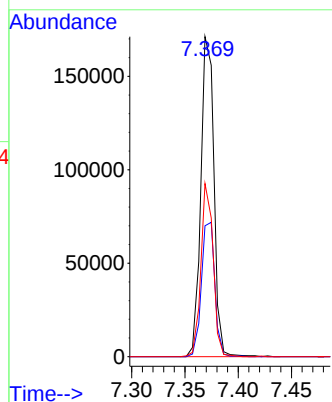
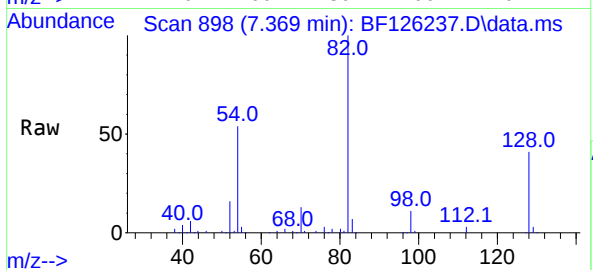




#23
Nitrobenzene-d5
Concen: 10.077 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion: 82 Resp: 147257

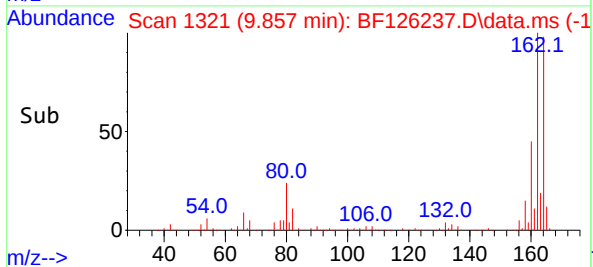
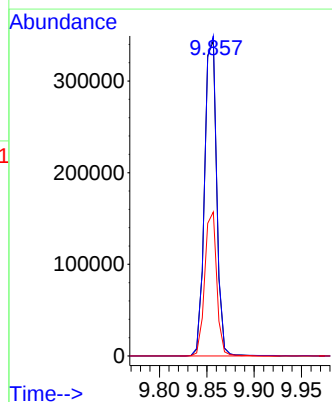
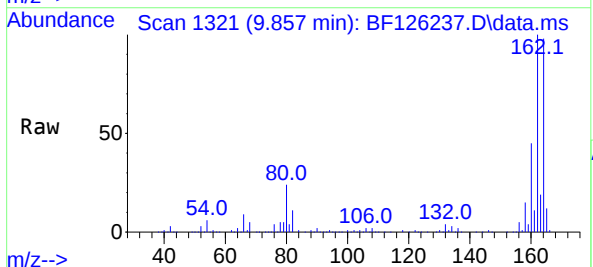
Ion	Ratio	Lower	Upper
82	100		
128	40.9	40.6	60.8
54	54.1	49.6	74.4

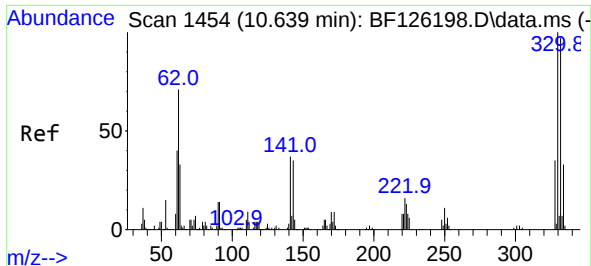


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion: 164 Resp: 307481

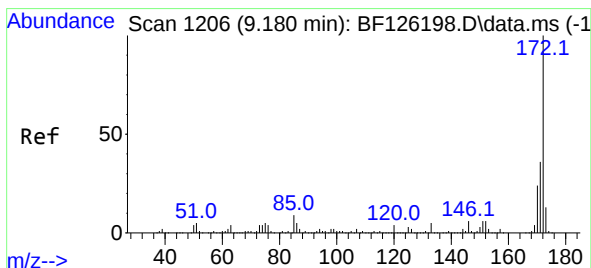
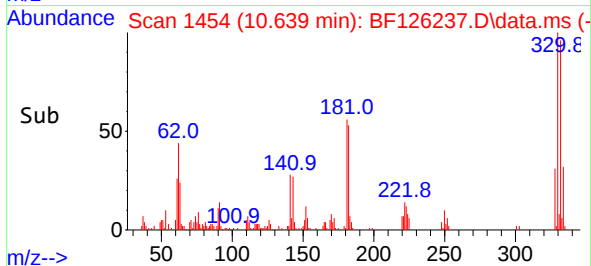
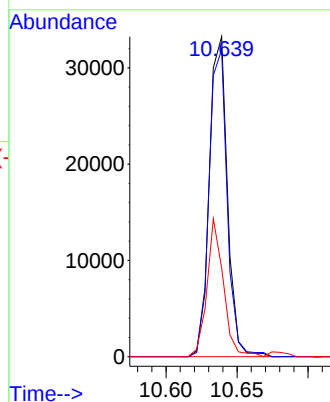
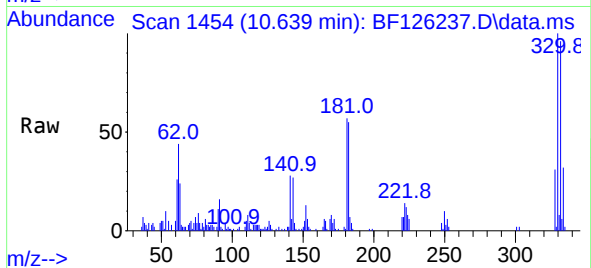
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.7	38.0	57.0





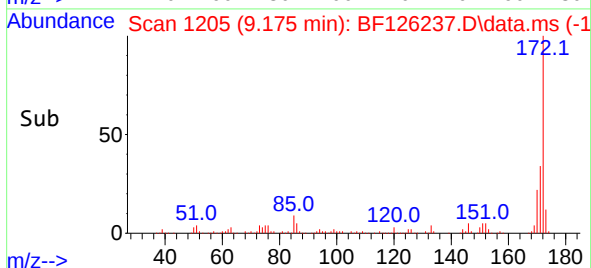
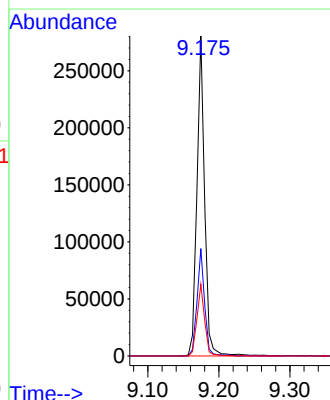
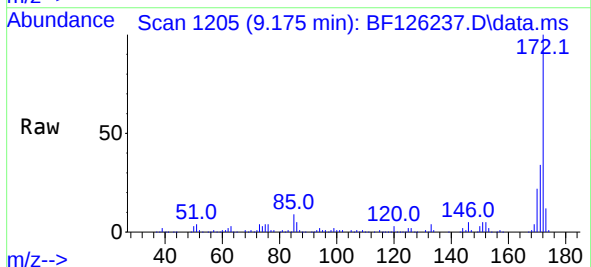
#42
2,4,6-Tribromophenol
Concen: 11.924 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

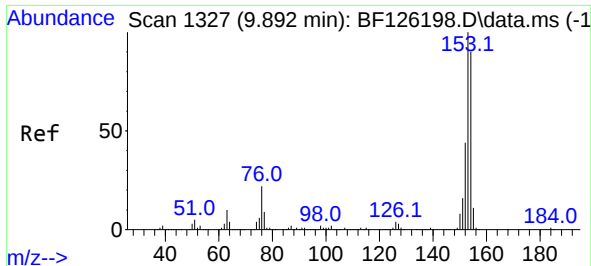
Tgt Ion: 330 Resp: 29464
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 39.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 12.161 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

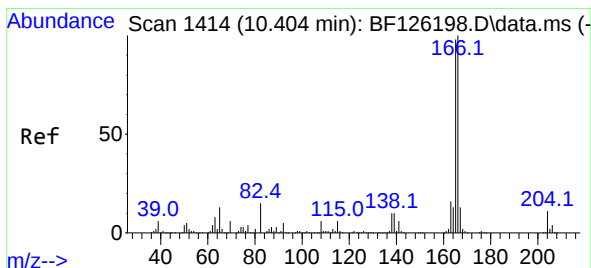
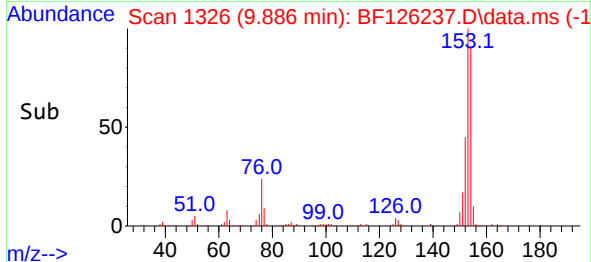
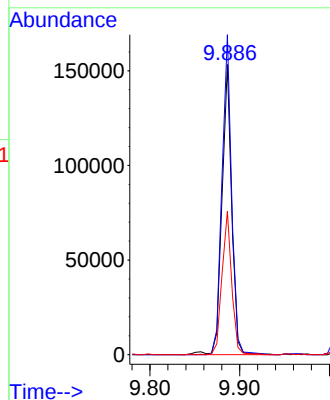
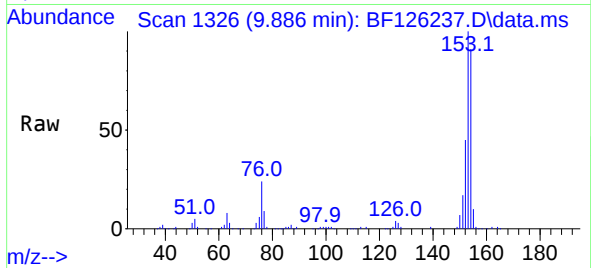
Tgt Ion: 172 Resp: 213202
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 22.4 18.8 28.2





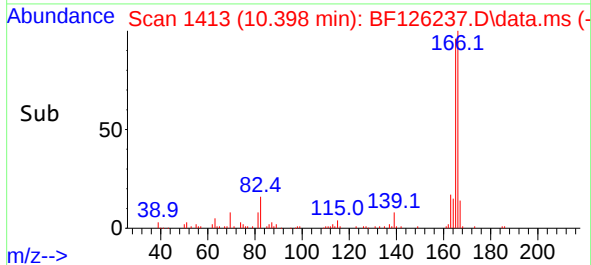
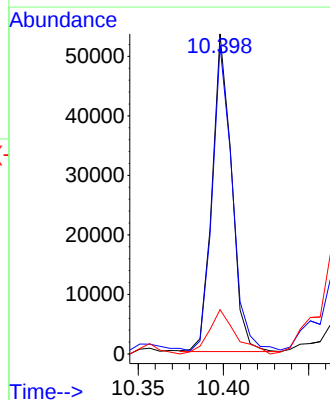
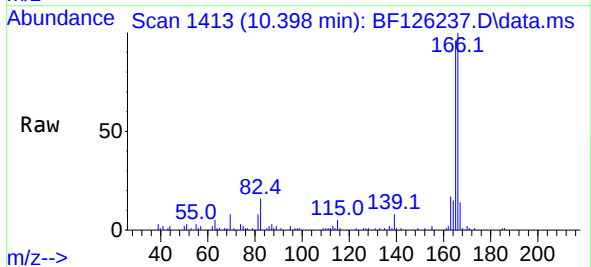
#52
Acenaphthene
Concen: 6.793 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

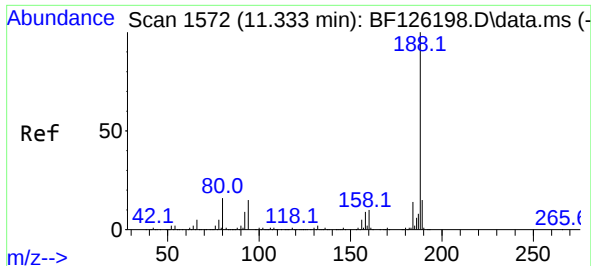
Tgt Ion:154 Resp: 115138
Ion Ratio Lower Upper
154 100
153 110.3 89.4 134.2
152 49.5 40.5 60.7



#58
Fluorene
Concen: 2.531 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

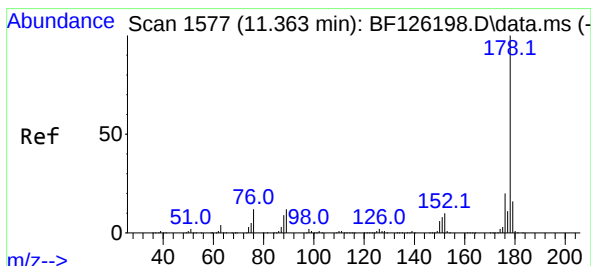
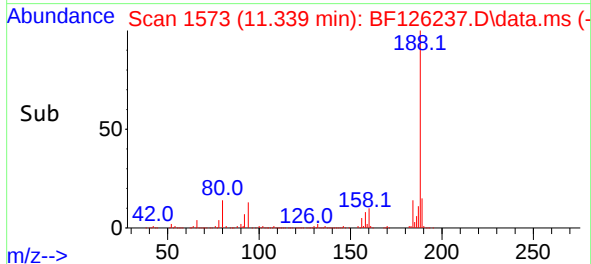
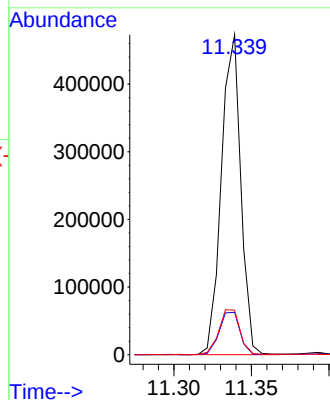
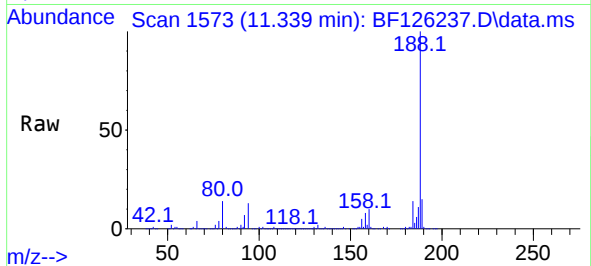
Tgt Ion:166 Resp: 42282
Ion Ratio Lower Upper
166 100
165 96.4 78.1 117.1
167 13.8 11.1 16.7





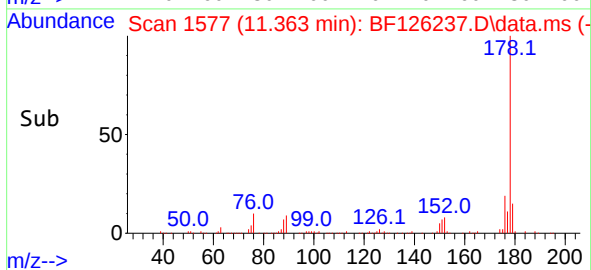
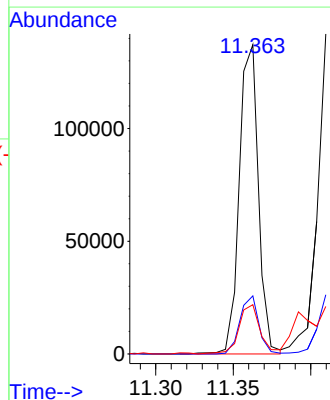
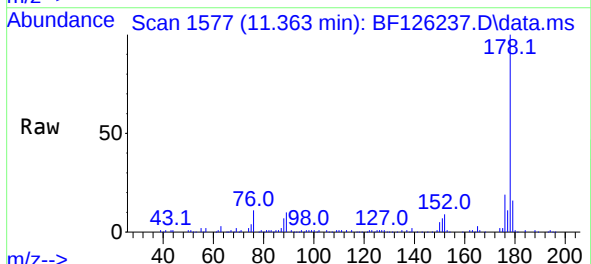
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

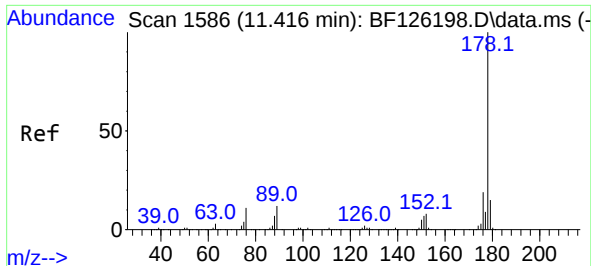
Tgt Ion:188 Resp: 412240
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 13.9 7.5 11.3#



#71
Phenanthrene
Concen: 5.534 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

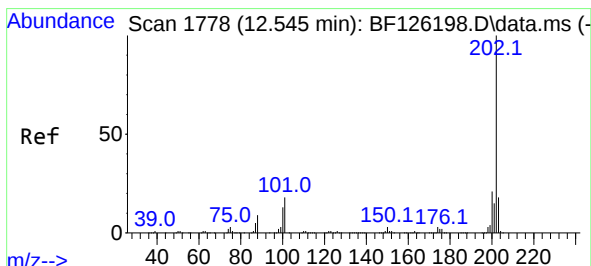
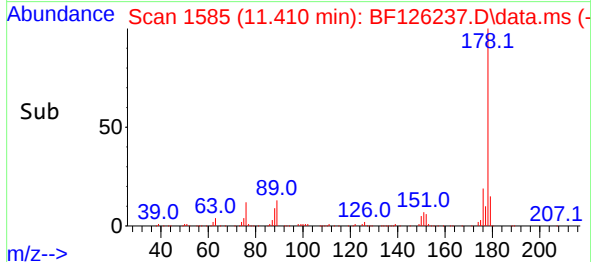
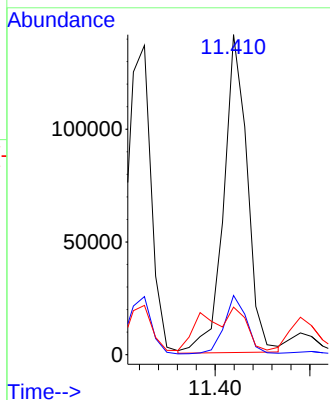
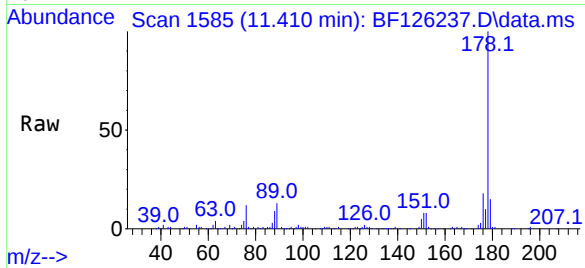
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Ion Ratio Lower Upper
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176 18.8 14.7 22.1
179 15.9 11.5 17.3





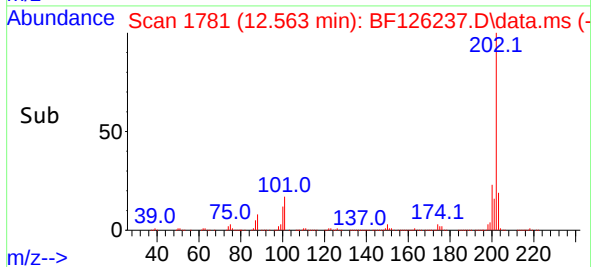
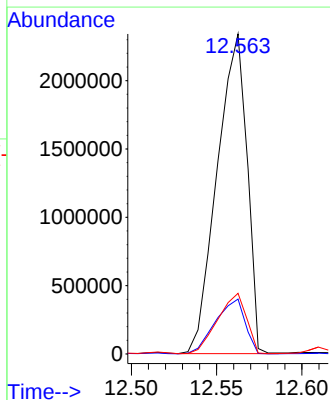
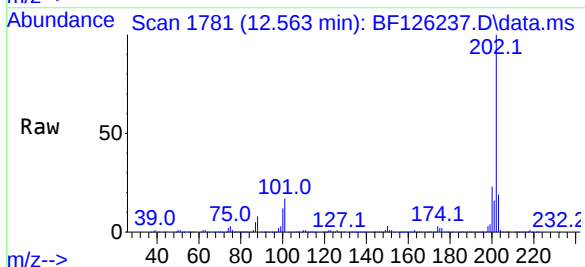
#72
 Anthracene
 Concen: 5.713 ng
 RT: 11.410 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

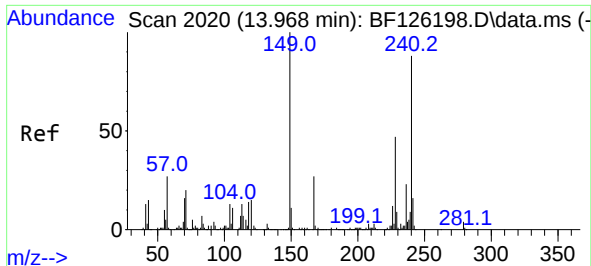
Tgt Ion:178	Resp:	122012
Ion Ratio	Lower	Upper
178	100	
176	18.5	14.3 21.5
179	14.9	12.2 18.4



#75
 Fluoranthene
 Concen: 148.853 ng
 RT: 12.563 min Scan# 1781
 Delta R.T. 0.018 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

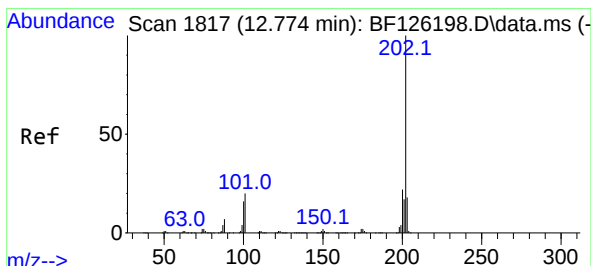
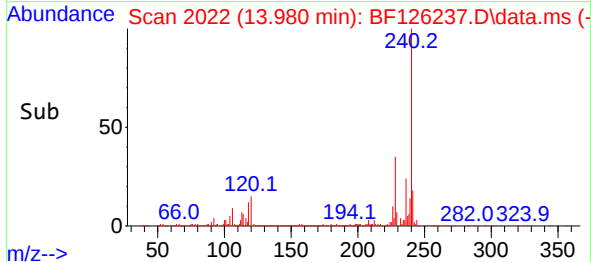
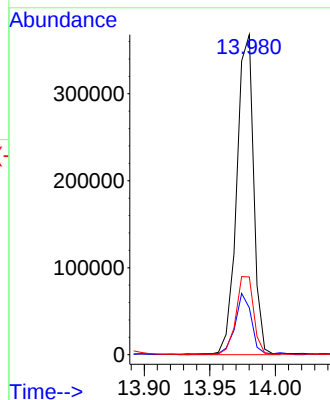
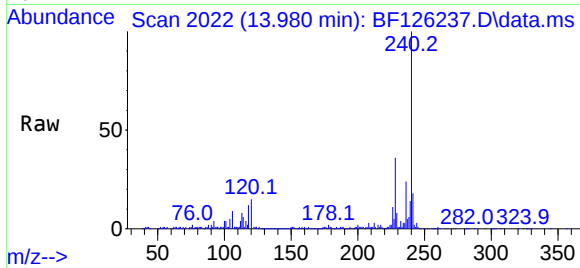
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Ion Ratio	Lower	Upper
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101	17.1	0.0 30.7
203	19.0	0.0 36.3





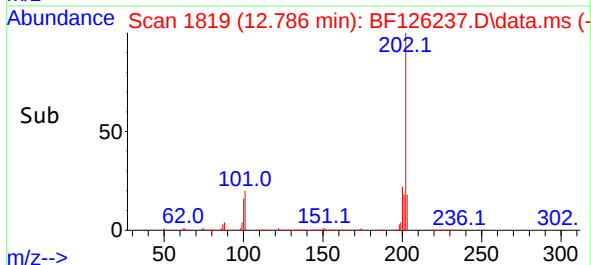
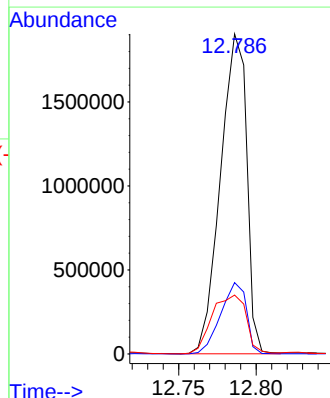
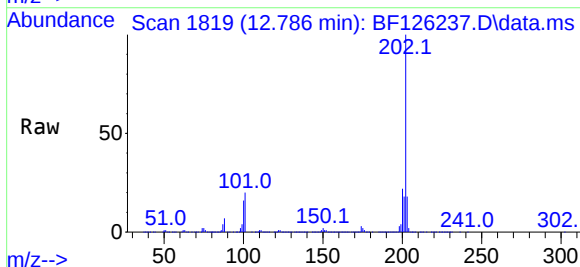
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

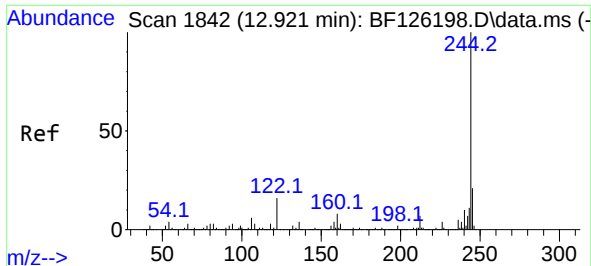
Tgt Ion:240 Resp: 331416
Ion Ratio Lower Upper
240 100
120 14.7 10.8 16.2
236 24.3 21.6 32.4



#78
Pyrene
Concen: 73.636 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

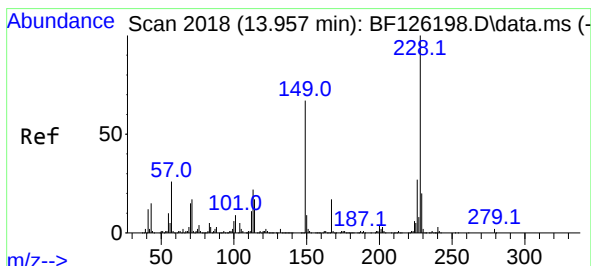
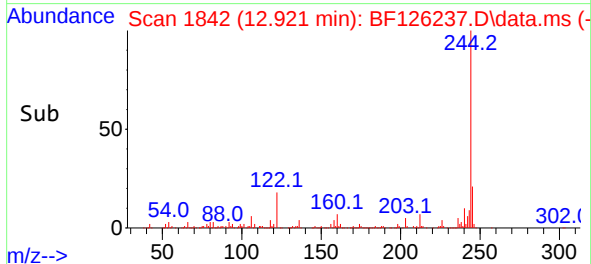
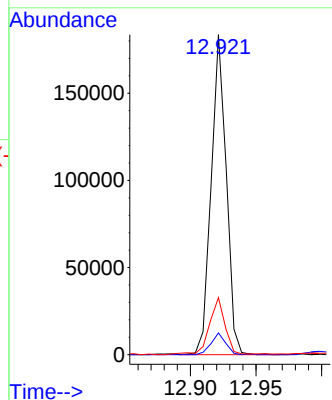
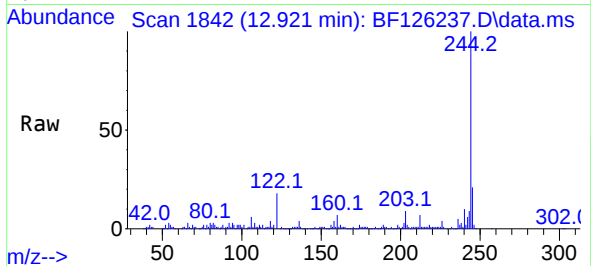
Tgt Ion:202 Resp: 2242053
Ion Ratio Lower Upper
202 100
200 22.3 15.3 22.9
203 18.4 13.4 20.0





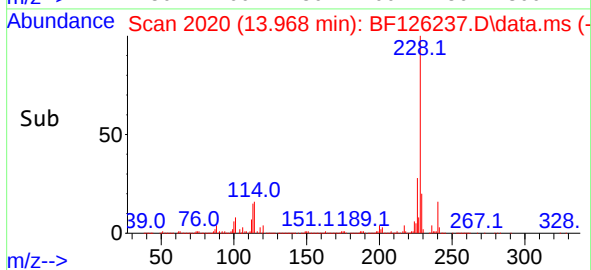
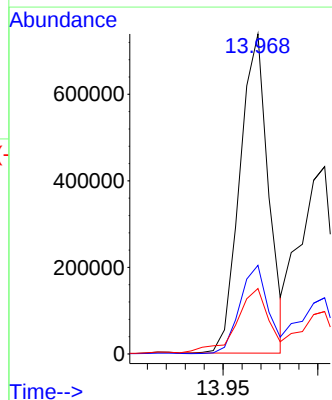
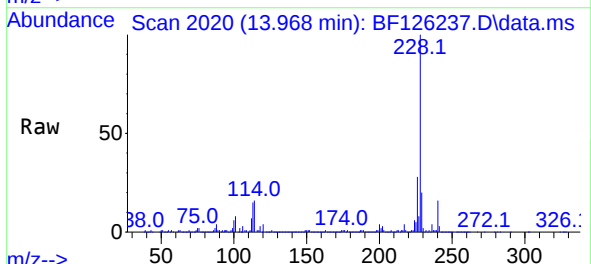
#79
Terphenyl-d14
Concen: 7.712 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

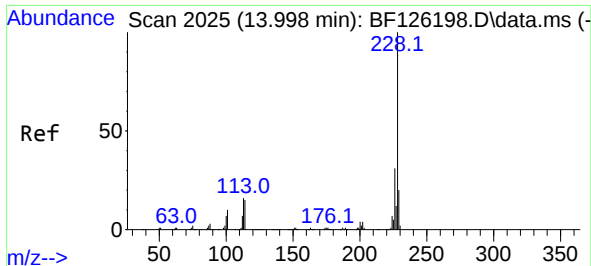
Tgt Ion:244 Resp: 147056
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 17.9 9.0 13.4#



#81
Benzo(a)anthracene
Concen: 39.490 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

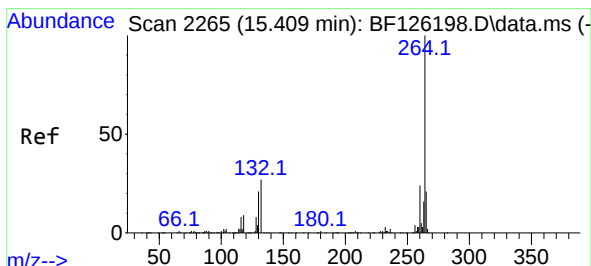
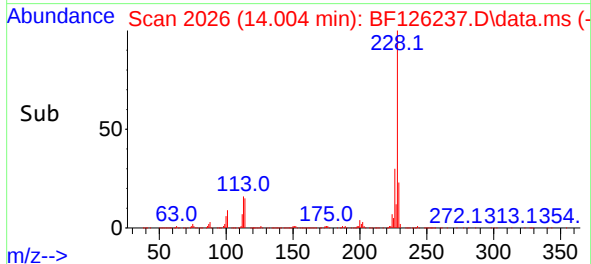
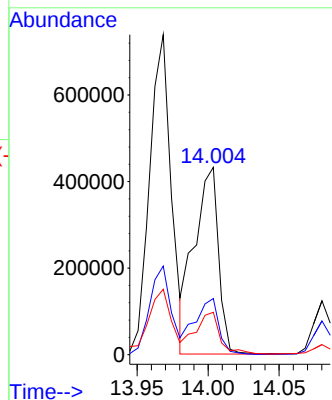
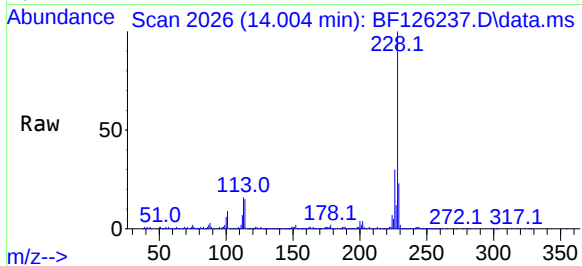
Tgt Ion:228 Resp: 775249
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.5 15.6 23.4





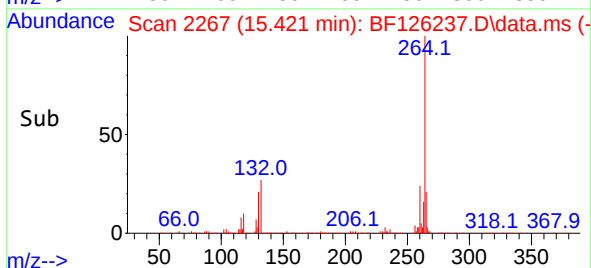
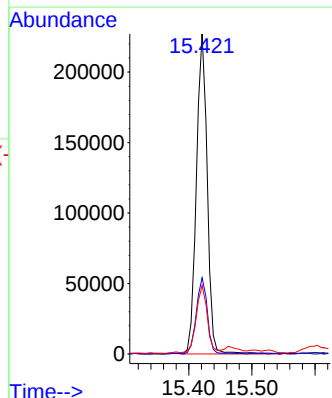
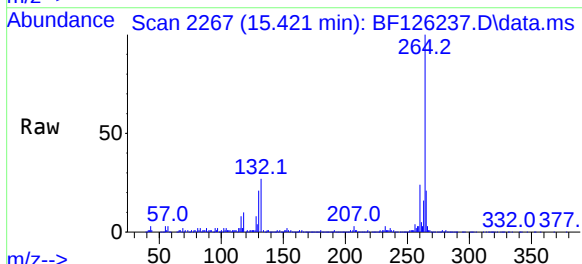
#83
Chrysene
Concen: 25.236 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

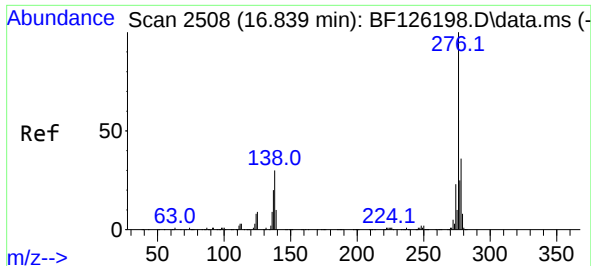
Tgt Ion:228 Resp: 514740
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.7 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

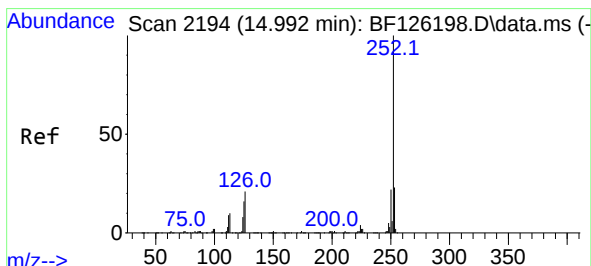
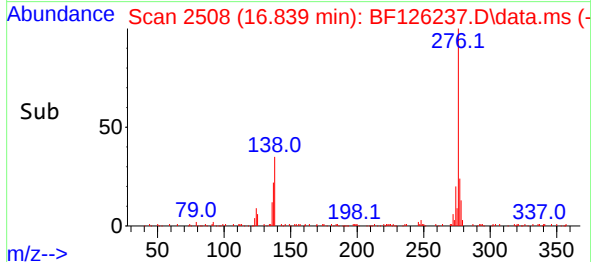
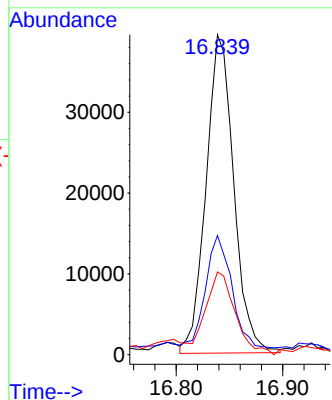
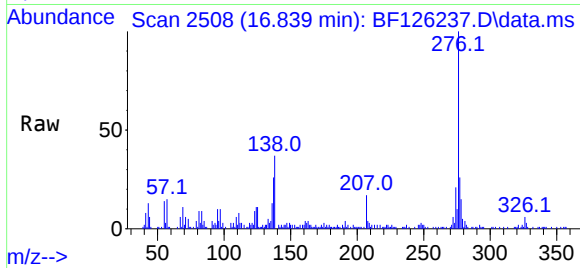
Tgt Ion:264 Resp: 270750
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 21.4 17.2 25.8





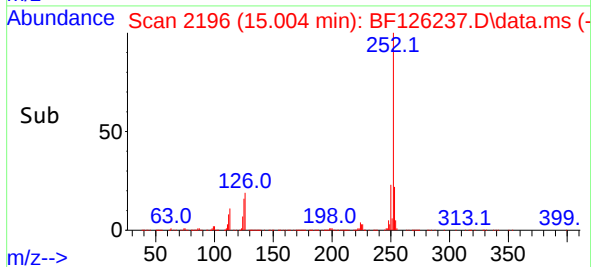
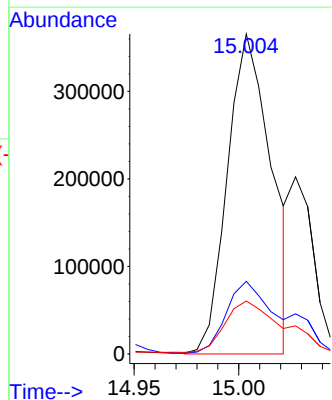
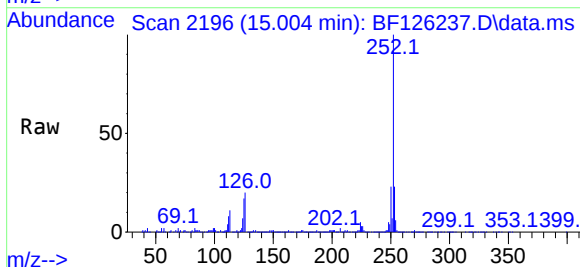
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.943 ng
RT: 16.839 min Scan# 2508
Delta R.T. 0.000 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

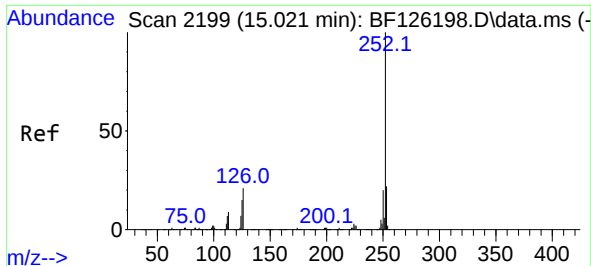
Tgt Ion:276 Resp: 71203
Ion Ratio Lower Upper
276 100
138 33.0 24.1 36.1
277 27.1 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 32.963 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

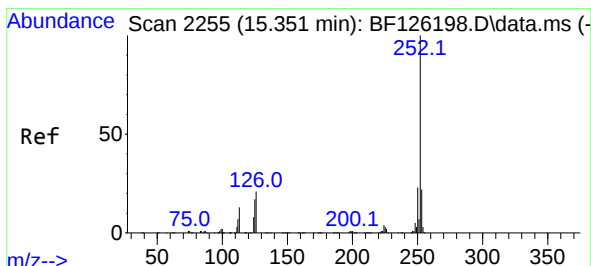
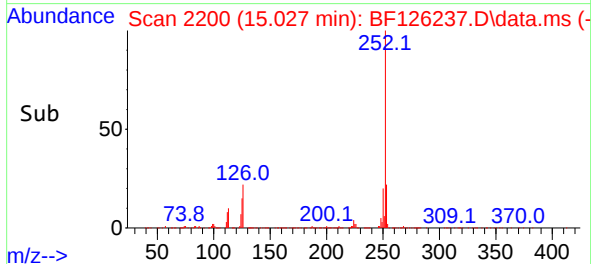
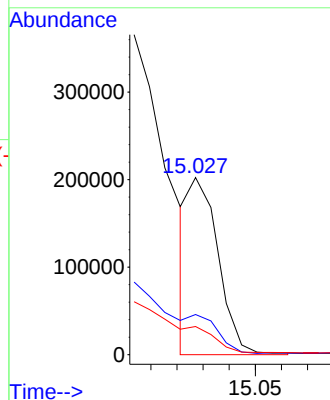
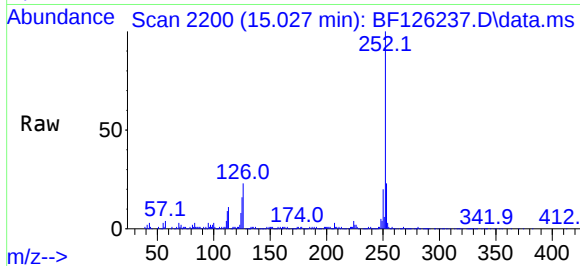
Tgt Ion:252 Resp: 536247
Ion Ratio Lower Upper
252 100
253 22.7 16.8 25.2
125 16.6 9.8 14.8#





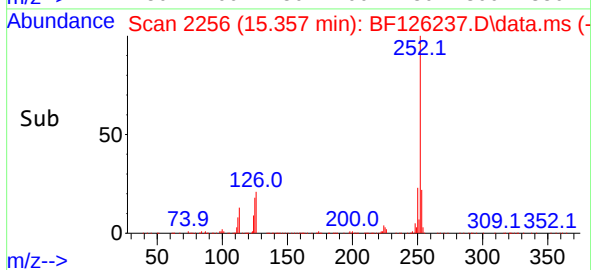
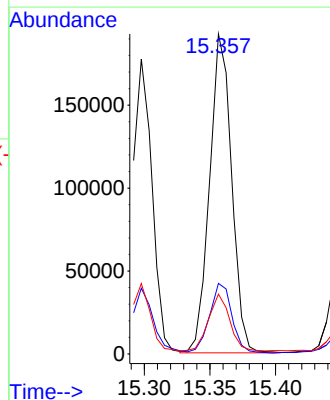
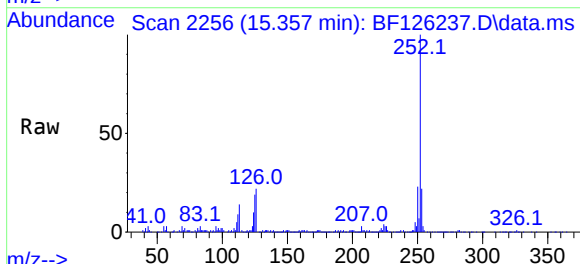
#89
Benzo(k)fluoranthene
Concen: 10.138 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

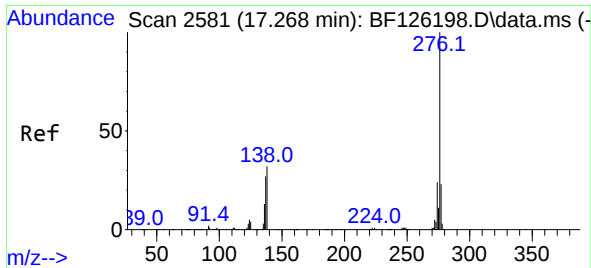
Tgt Ion:252 Resp: 157778
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.9 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 16.646 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126237.D
Acq: 17 Dec 2021 16:14

Tgt Ion:252 Resp: 225068
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 18.7 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.776 ng
 RT: 17.268 min Scan# 2581
 Delta R.T. 0.000 min
 Lab File: BF126237.D
 Acq: 17 Dec 2021 16:14

Tgt Ion:	276	Resp:	57355
Ion Ratio	Lower	Upper	
276	100		
277	24.8	22.0	33.0
138	34.6	22.2	33.4#

