

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126240.D
 Acq On : 17 Dec 2021 17:52
 Operator : JU/CG
 Sample : M5083-14DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 17 18:13:09 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	214816	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	825756	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	313463	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	422475	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	353657	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	282703	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	941707	64.558	ng	0.00
7) Phenol-d6	6.439	99	1151005	62.143	ng	0.00
23) Nitrobenzene-d5	7.375	82	703514	46.142	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	151099	59.981	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	901828	50.459	ng	0.00
79) Terphenyl-d14	12.921	244	669611	32.909	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	163214	4.226	ng	97
37) 2-Methylnaphthalene	8.810	142	78935	3.319	ng	98
38) 1-Methylnaphthalene	8.910	142	48342	2.095	ng	93
52) Acenaphthene	9.886	154	146921	8.502	ng	98
55) Dibenzofuran	10.057	168	112720	4.791	ng	92
58) Fluorene	10.398	166	119576	7.020	ng	98
71) Phenanthrene	11.363	178	463085	21.237	ng	99
72) Anthracene	11.410	178	102053	4.663	ng	100
73) Carbazole	11.563	167	54338	2.636	ng	98
75) Fluoranthene	12.551	202	1085265	55.241	ng	90
78) Pyrene	12.780	202	1223940	37.670	ng	95
81) Benzo(a)anthracene	13.962	228	525768	25.098	ng	95
83) Chrysene	14.004	228	713506	32.781	ng	97
84) Bis(2-ethylhexyl)phtha...	13.962	149	38449	2.250	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.845	276	112840	5.984	ng	95
88) Benzo(b)fluoranthene	15.004	252	682506m	40.180	ng	
89) Benzo(k)fluoranthene	15.027	252	241354m	14.853	ng	
90) Benzo(a)pyrene	15.356	252	249866	17.699	ng	# 92
91) Dibenzo(a,h)anthracene	16.850	278	31329	2.044	ng	# 79
92) Benzo(g,h,i)perylene	17.268	276	85991	5.422	ng	# 90

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

Abundance

TIC: BF126240.D\data.ms

Time-->

3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00

4000000

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

2-Fluorophenol,S

Phenol,d6,S

1,4-Dichlorobenzene-d4,I

Nitrobenzene-d5,S

Naphthalene-d8,I

2-Fluorobiphenyl,S

Acenaphthene-d10,I

Fluorene

Phenanthrene-d10,I

Fluoranthene,C

Pyrene

Terphenyl-d14,S

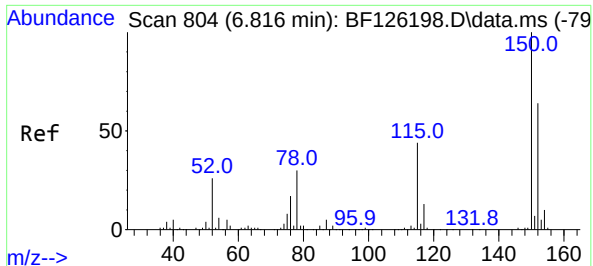
Benzo(a)pyrene-d12,I

Benzo(b)fluoranthene

Benzo(k)fluoranthene

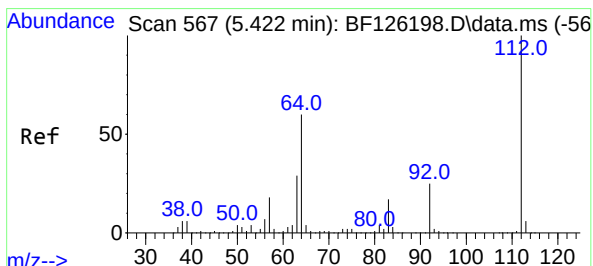
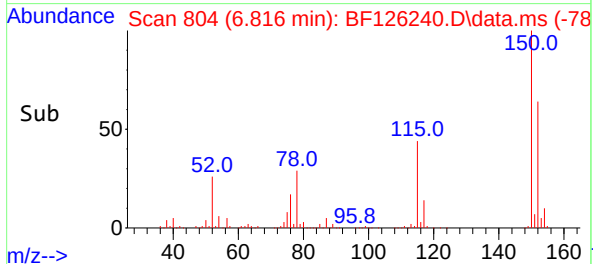
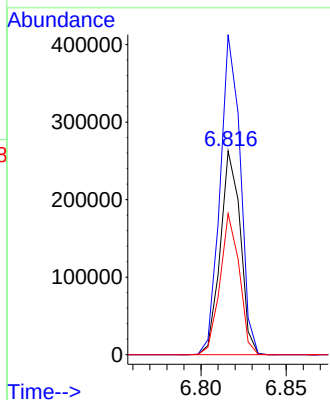
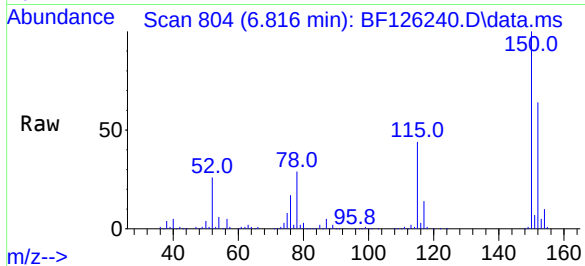
Dibenz(a,h)anthracene

Benzo(g,h,i)perylene



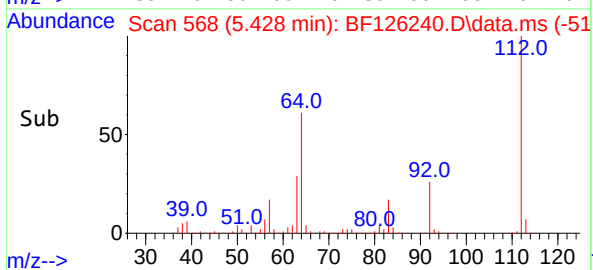
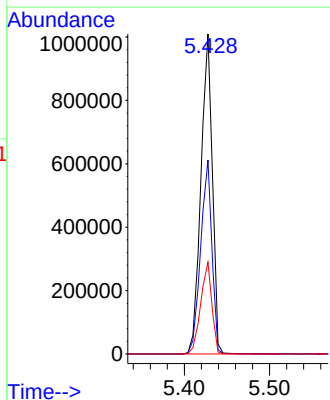
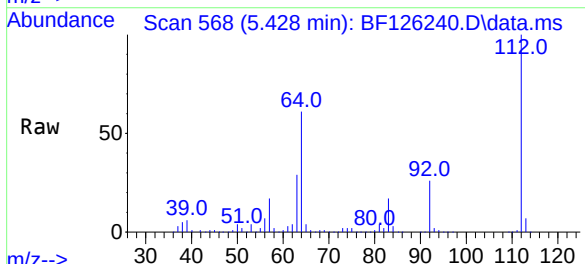
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

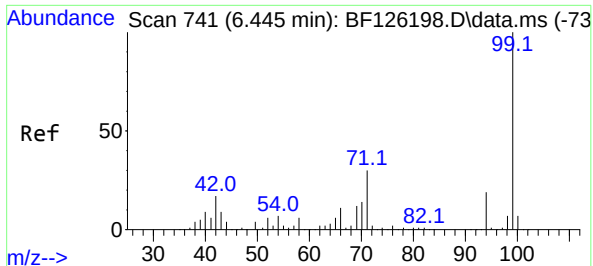
Tgt Ion:152 Resp: 214816
Ion Ratio Lower Upper
152 100
150 157.2 117.6 176.4
115 69.2 47.1 70.7



#5
2-Fluorophenol
Concen: 64.558 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

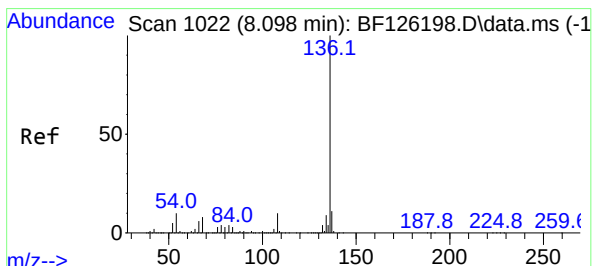
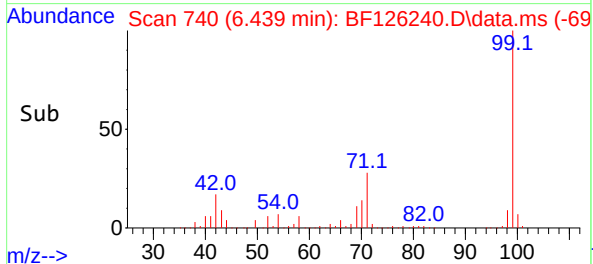
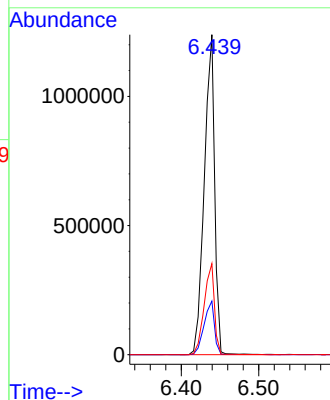
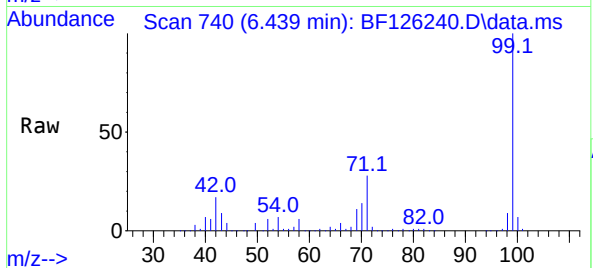
Tgt Ion:112 Resp: 941707
Ion Ratio Lower Upper
112 100
64 60.6 44.2 66.2
63 28.7 26.2 39.2





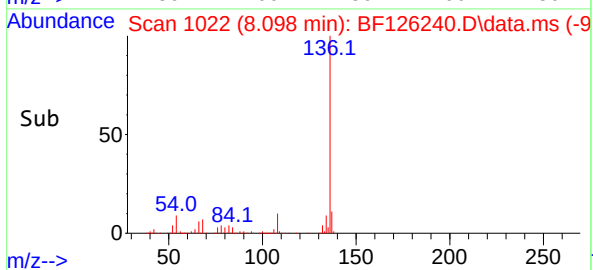
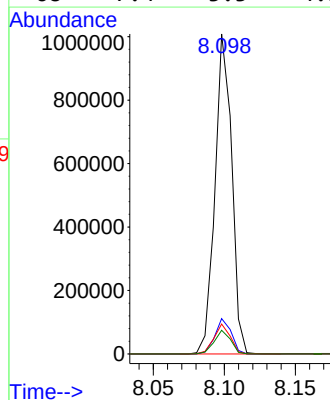
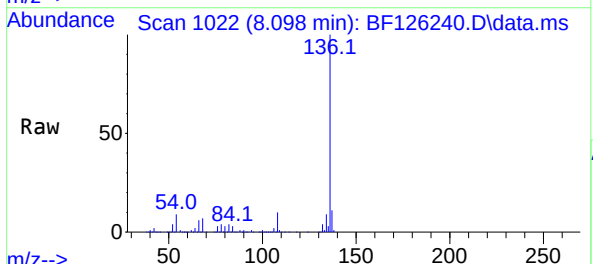
#7
Phenol-d6
Concen: 62.143 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

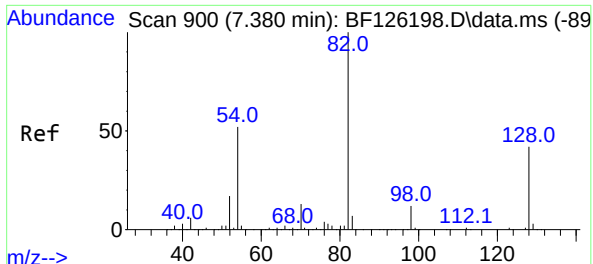
Tgt Ion: 99 Resp: 1151005
Ion Ratio Lower Upper
99 100
42 16.8 23.5 35.3#
71 28.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

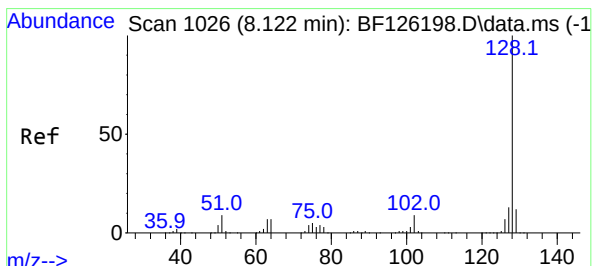
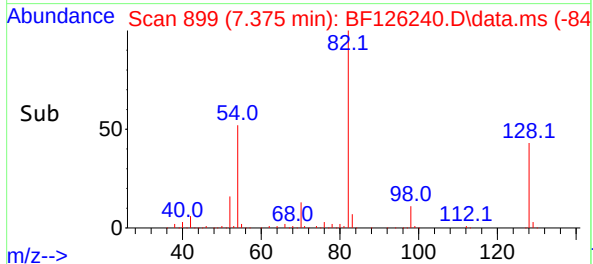
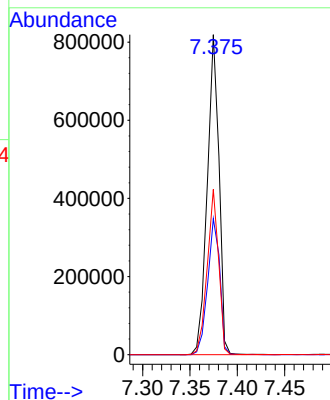
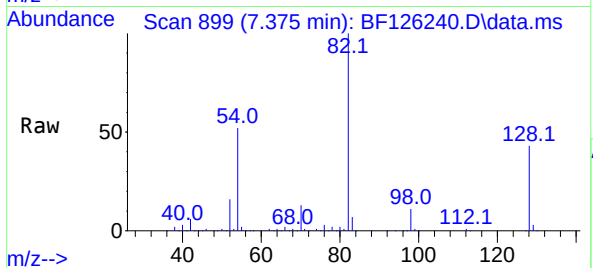
Tgt Ion: 136 Resp: 825756
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.4 6.4 9.6
68 7.4 3.3 4.9#





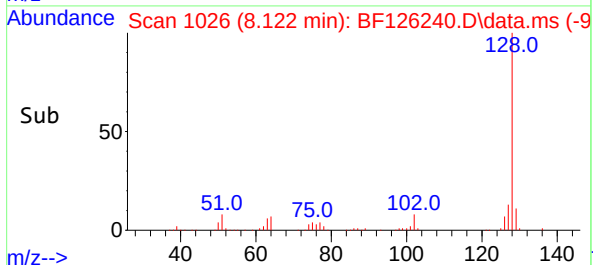
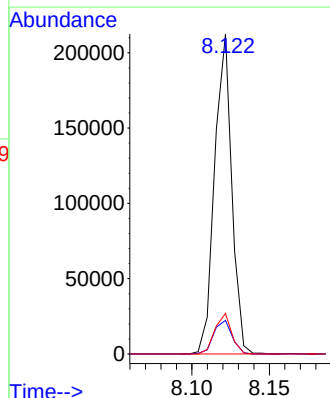
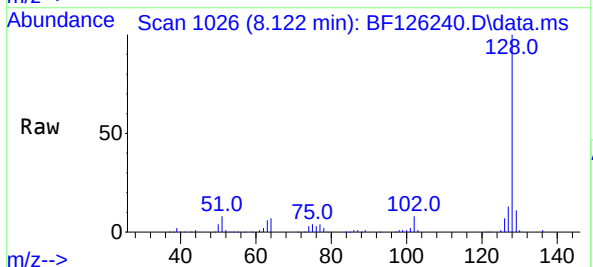
#23
Nitrobenzene-d5
Concen: 46.142 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

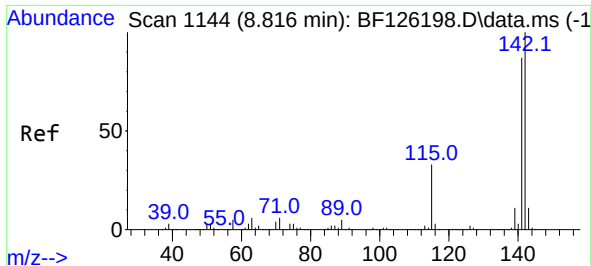
Tgt Ion: 82 Resp: 703514
Ion Ratio Lower Upper
82 100
128 42.5 40.6 60.8
54 51.6 49.6 74.4



#31
Naphthalene
Concen: 4.226 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

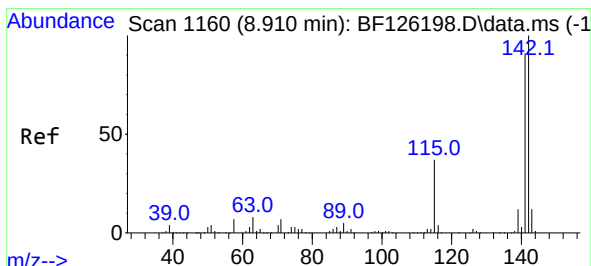
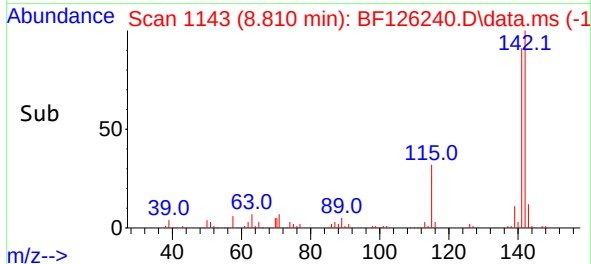
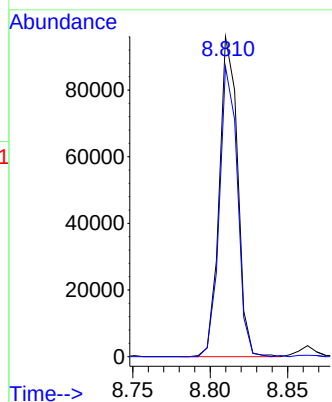
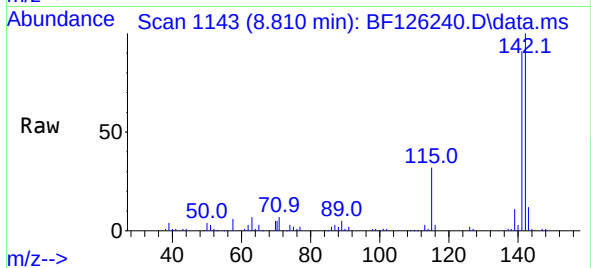
Tgt Ion: 128 Resp: 163214
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.0
127 12.7 10.9 16.3





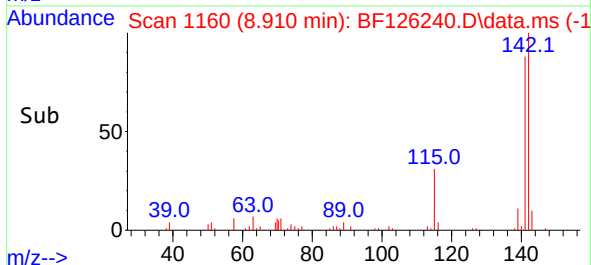
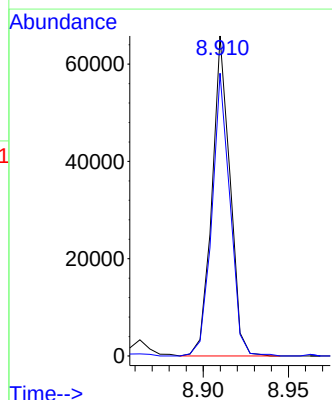
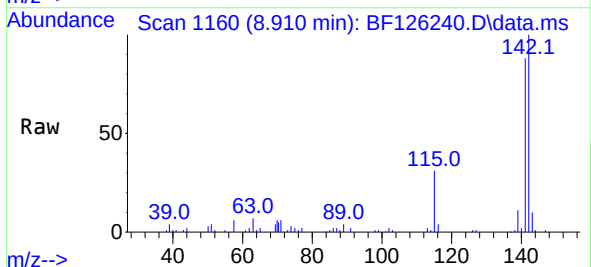
#37
2-Methylnaphthalene
Concen: 3.319 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

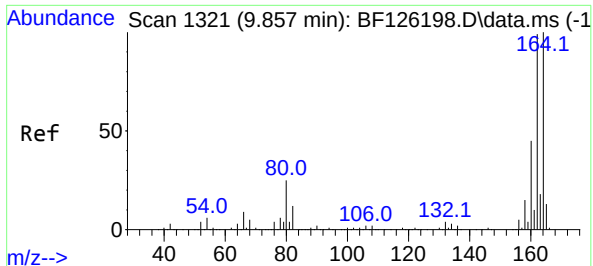
Tgt Ion:142 Resp: 78935
Ion Ratio Lower Upper
142 100
141 90.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 2.095 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:142 Resp: 48342
Ion Ratio Lower Upper
142 100
141 88.3 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: BF126240.D

Acq: 17 Dec 2021 17:52

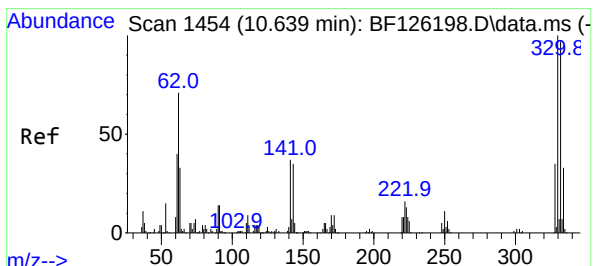
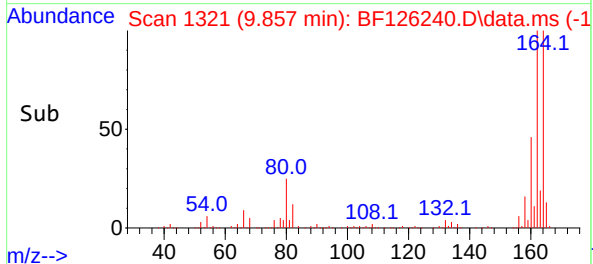
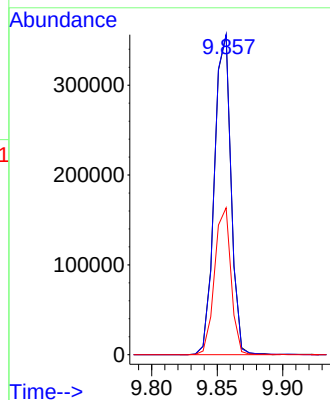
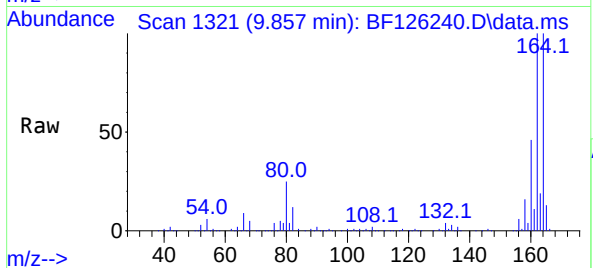
Tgt Ion:164 Resp: 313463

Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

160 45.9 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 59.981 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.000 min

Lab File: BF126240.D

Acq: 17 Dec 2021 17:52

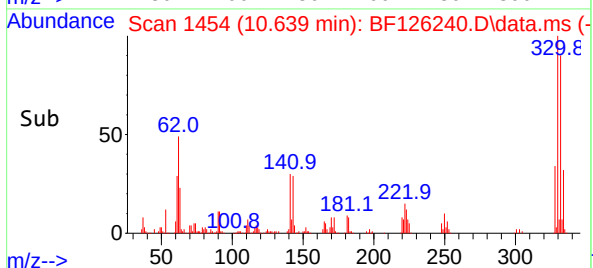
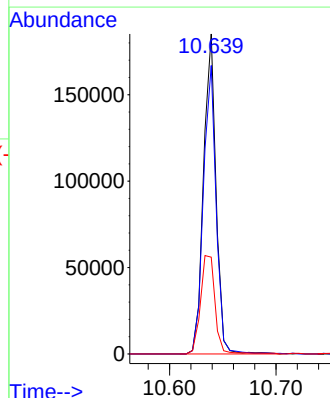
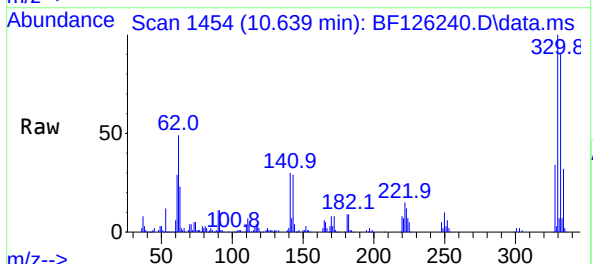
Tgt Ion:330 Resp: 151099

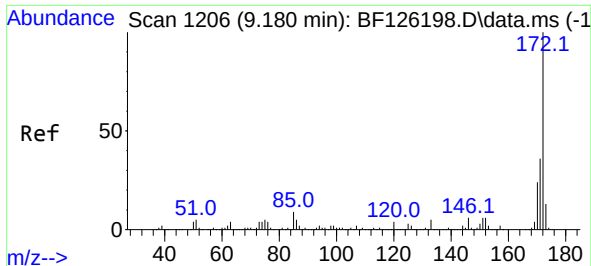
Ion Ratio Lower Upper

330 100

332 92.3 76.2 114.4

141 36.1 44.6 66.8#

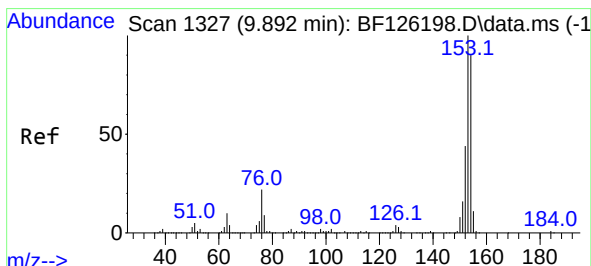
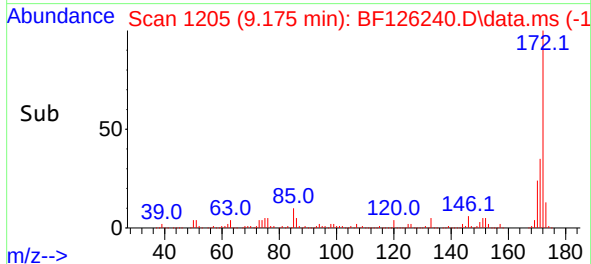
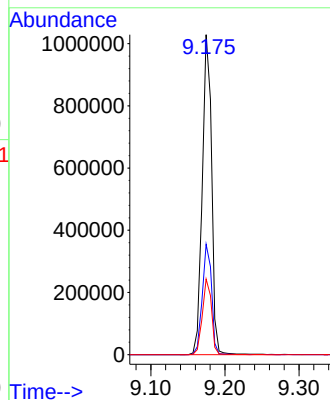
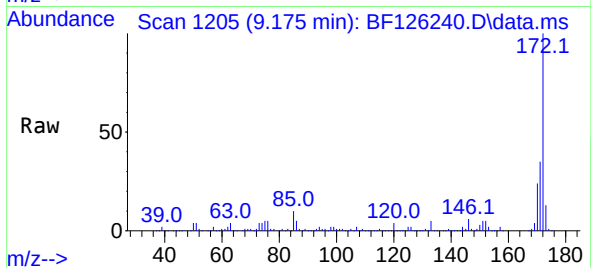




#45
2-Fluorobiphenyl
Concen: 50.459 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:172 Resp: 901828

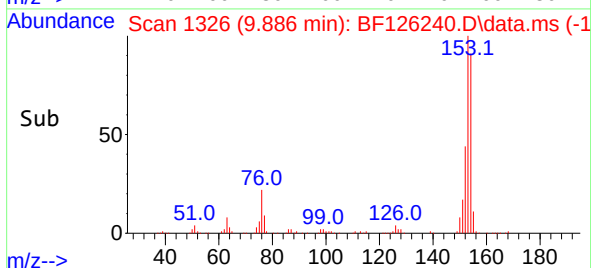
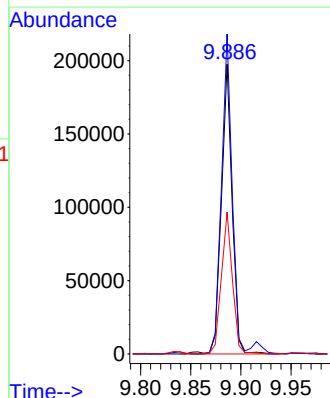
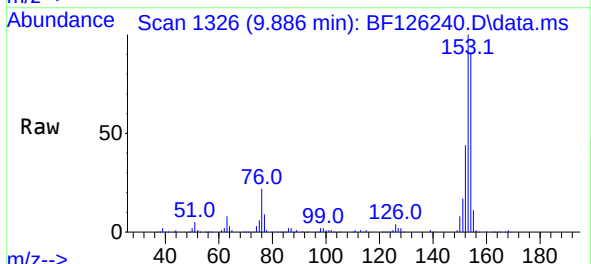
Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.5	39.7
170	23.7	18.8	28.2

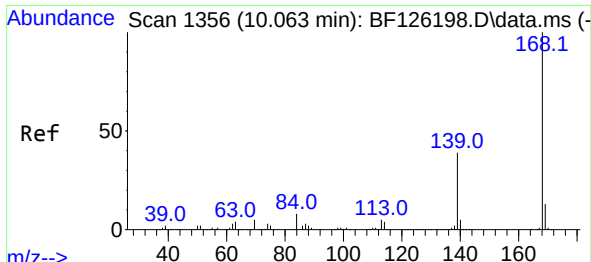


#52
Acenaphthene
Concen: 8.502 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:154 Resp: 146921

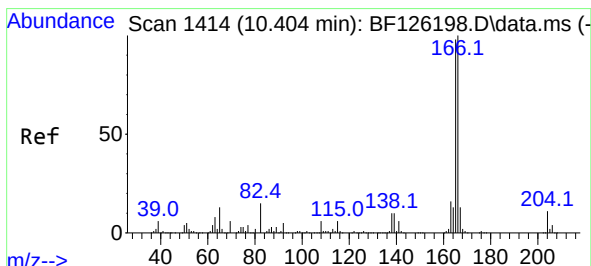
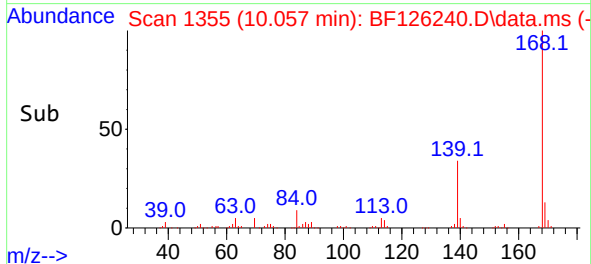
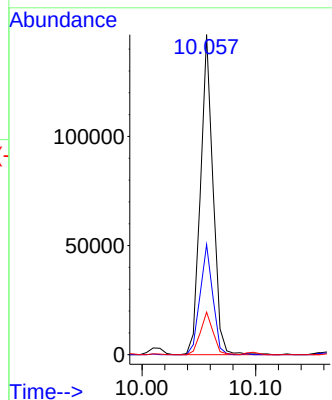
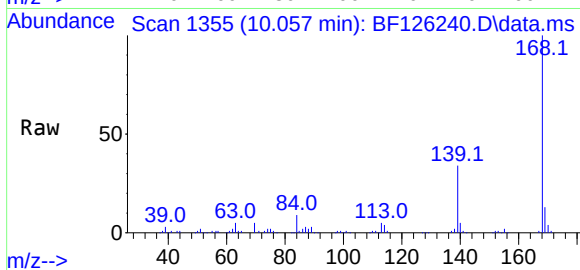
Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.4	134.2
152	49.0	40.5	60.7





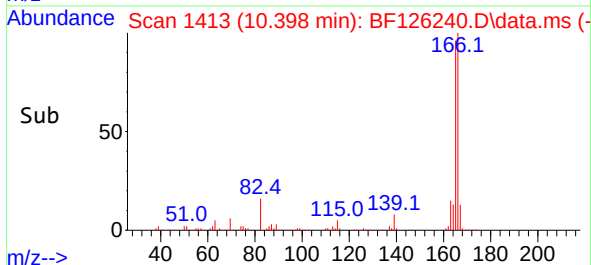
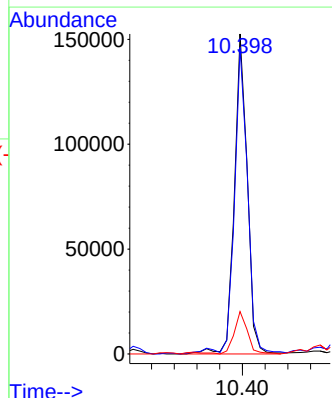
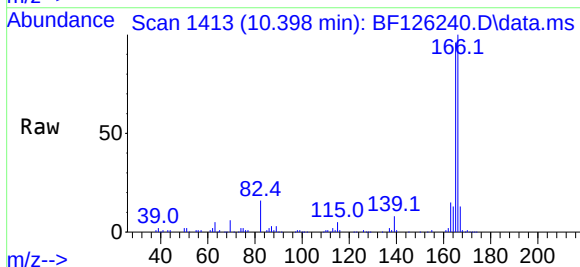
#55
Dibenzenofuran
Concen: 4.791 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

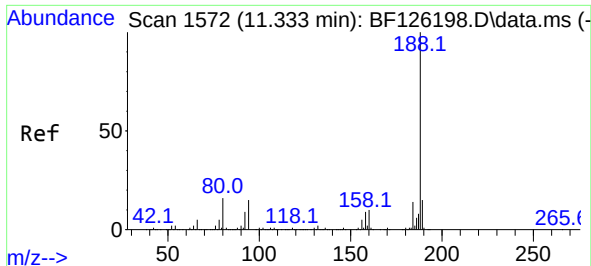
Tgt Ion:168 Resp: 112720
Ion Ratio Lower Upper
168 100
139 34.4 32.7 49.1
169 13.3 11.2 16.8



#58
Fluorene
Concen: 7.020 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

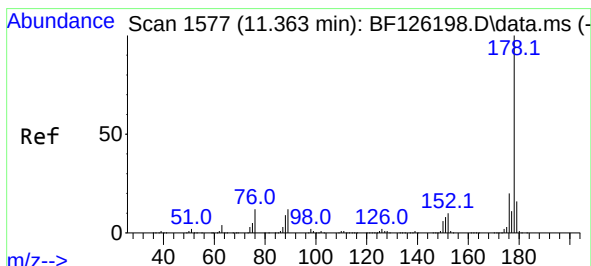
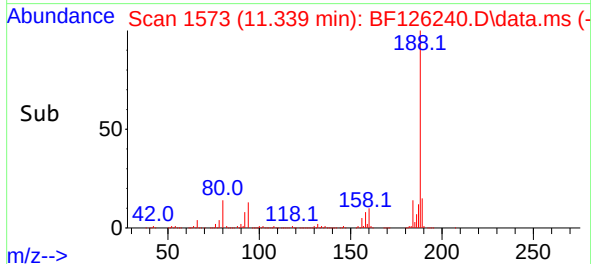
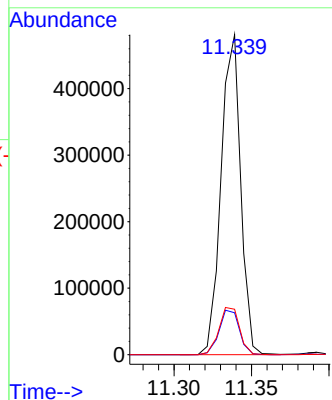
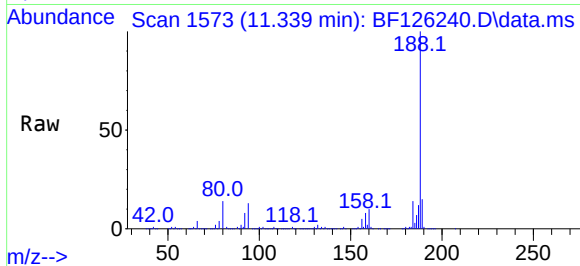
Tgt Ion:166 Resp: 119576
Ion Ratio Lower Upper
166 100
165 95.8 78.1 117.1
167 13.2 11.1 16.7





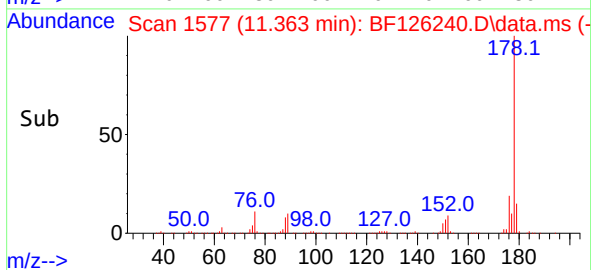
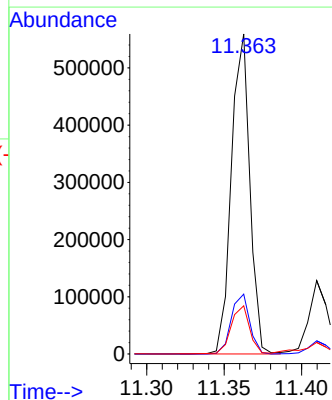
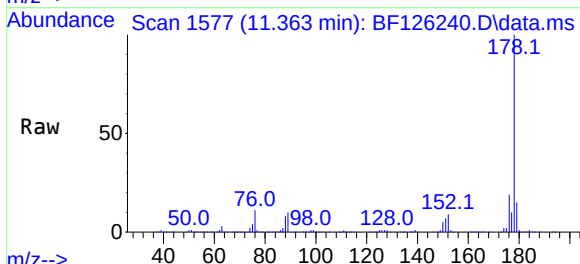
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

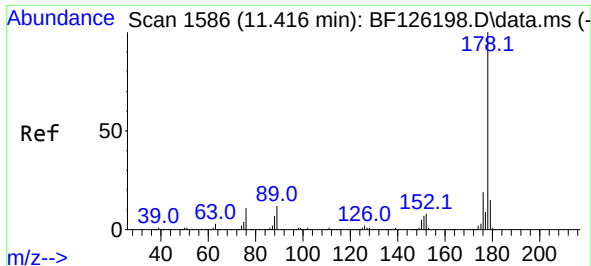
Tgt Ion:188 Resp: 422475
Ion Ratio Lower Upper
188 100
94 13.1 6.7 10.1#
80 14.2 7.5 11.3#



#71
Phenanthrene
Concen: 21.237 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

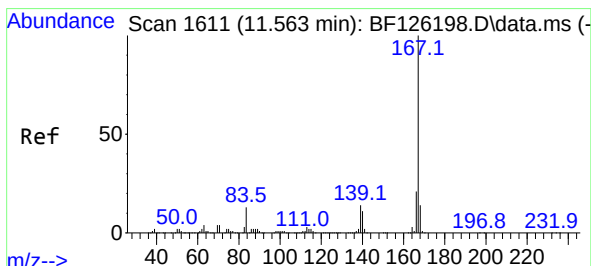
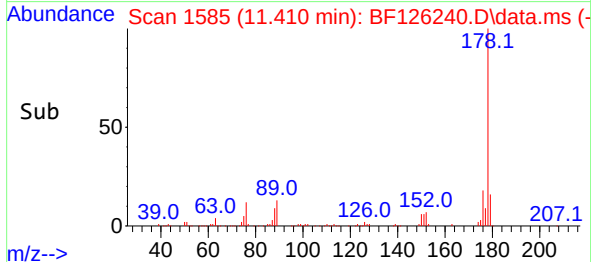
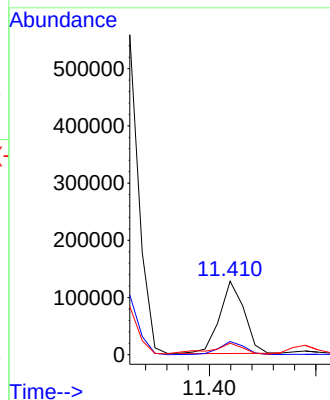
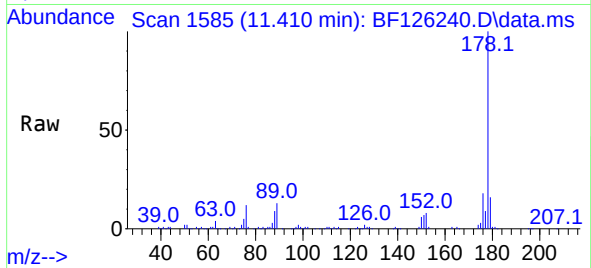
Tgt Ion:178 Resp: 463085
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.0 11.5 17.3





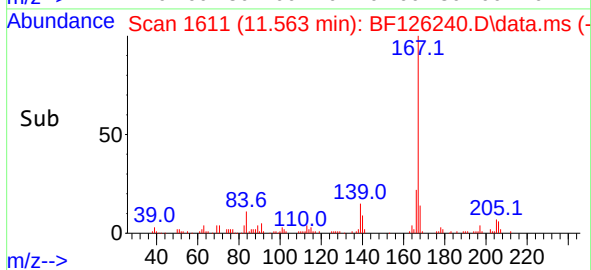
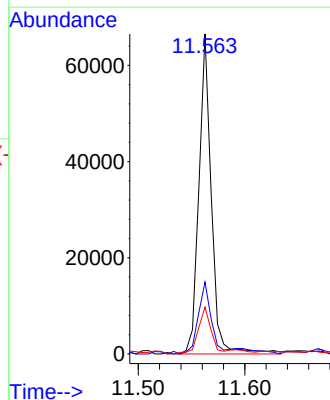
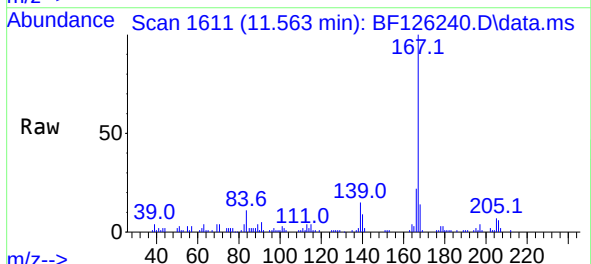
#72
Anthracene
Concen: 4.663 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

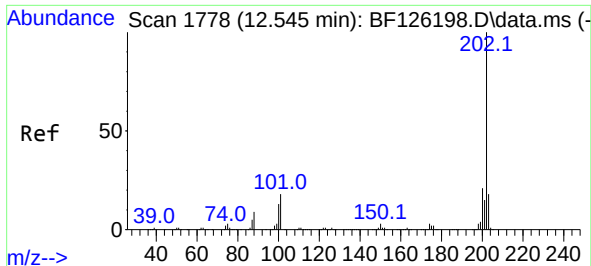
Tgt Ion:178 Resp: 102053
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.7 12.2 18.4



#73
Carbazole
Concen: 2.636 ng
RT: 11.563 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

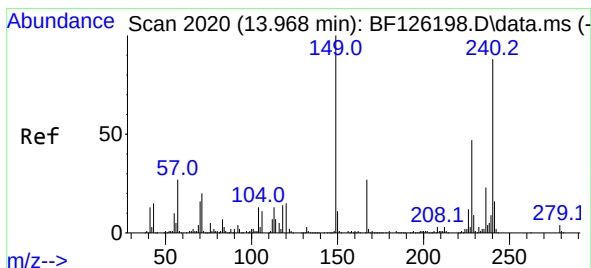
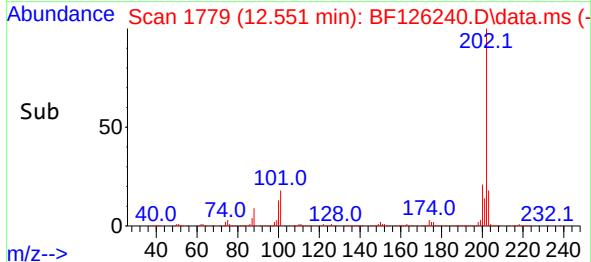
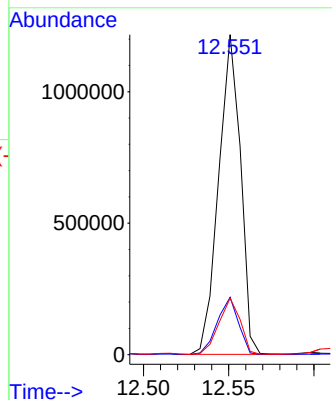
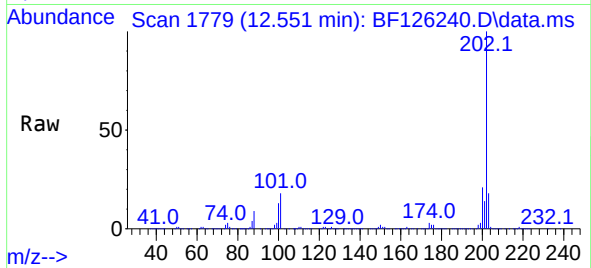
Tgt Ion:167 Resp: 54338
Ion Ratio Lower Upper
167 100
166 22.4 17.4 26.0
139 14.7 11.0 16.4





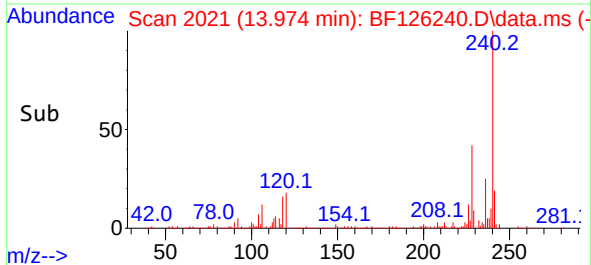
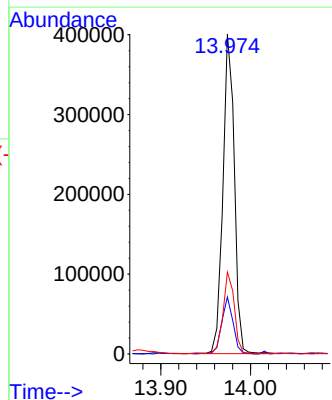
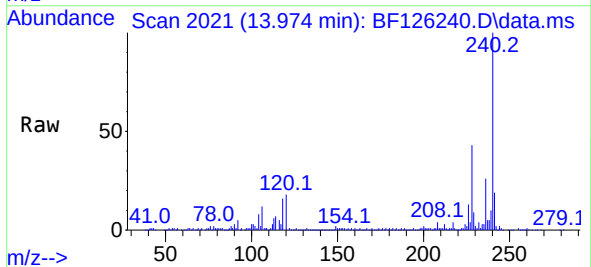
#75
Fluoranthene
Concen: 55.241 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

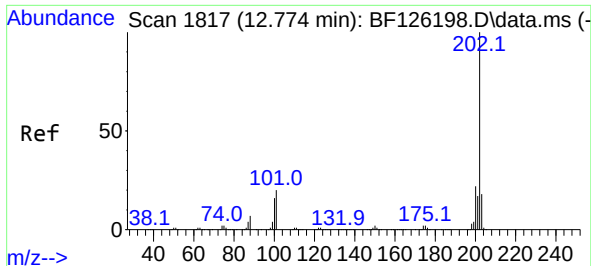
Tgt Ion:202 Resp: 1085265
Ion Ratio Lower Upper
202 100
101 17.9 0.0 30.7
203 17.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:240 Resp: 353657
Ion Ratio Lower Upper
240 100
120 17.8 10.8 16.2#
236 25.6 21.6 32.4

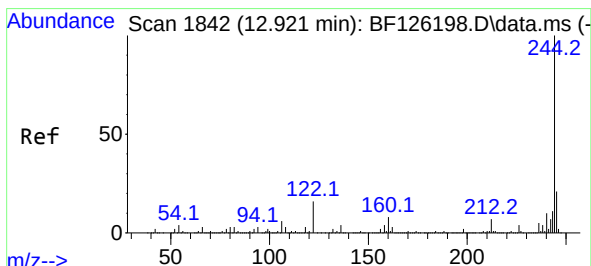
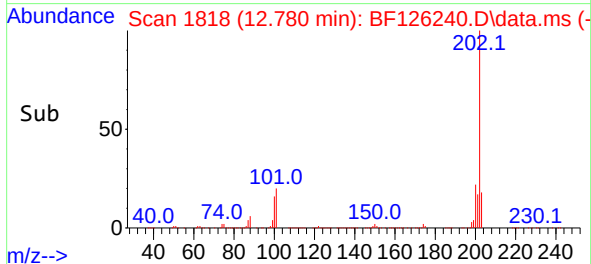
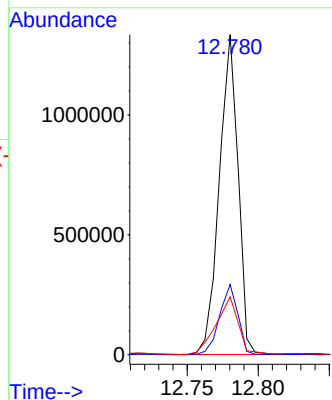
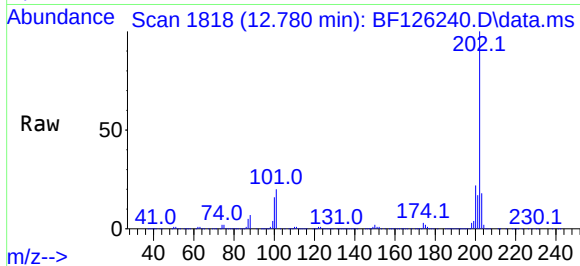




#78
Pyrene
Concen: 37.670 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:202 Resp: 1223940

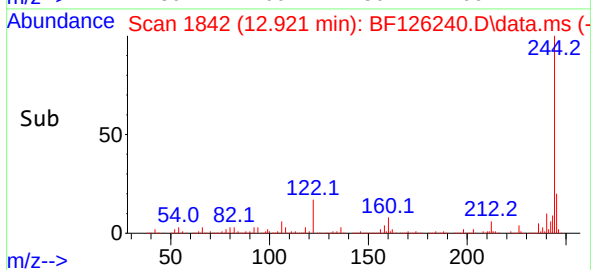
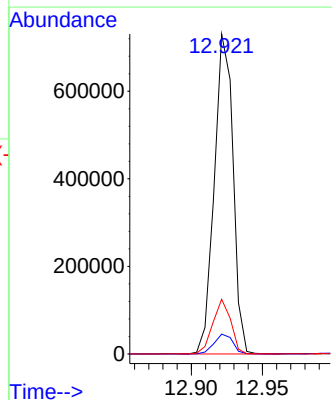
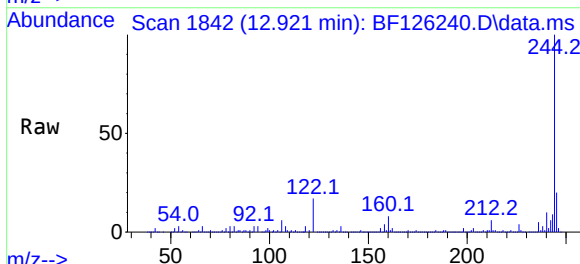
Ion	Ratio	Lower	Upper
202	100		
200	22.0	15.3	22.9
203	18.1	13.4	20.0

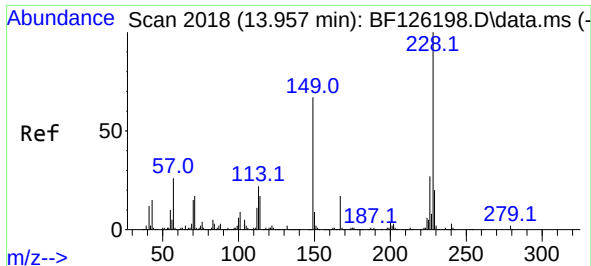


#79
Terphenyl-d14
Concen: 32.909 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:244 Resp: 669611

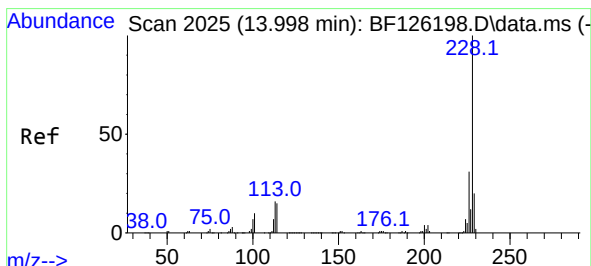
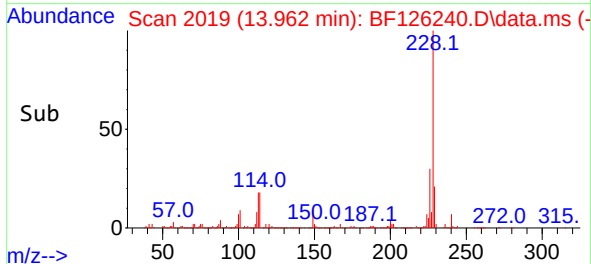
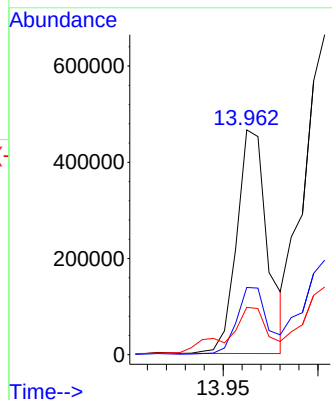
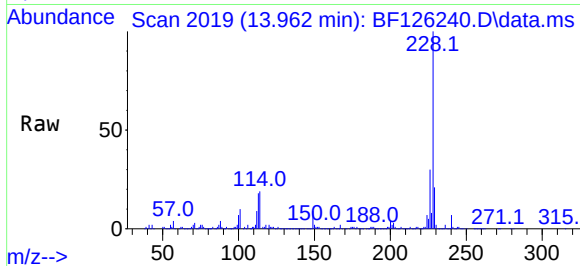
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.9	8.9
122	17.1	9.0	13.4





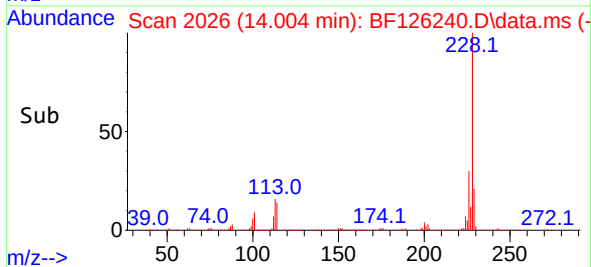
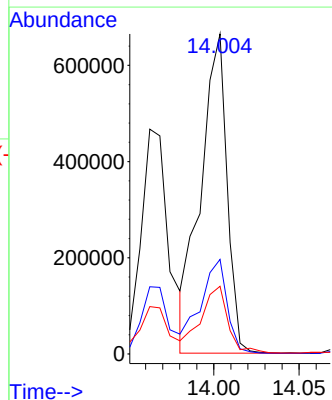
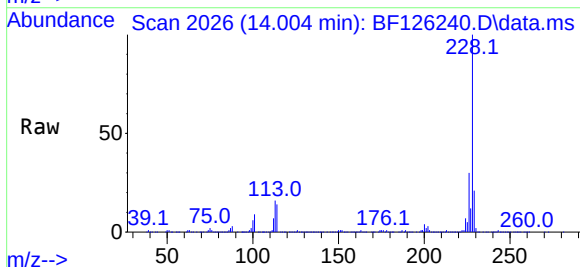
#81
Benzo(a)anthracene
Concen: 25.098 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

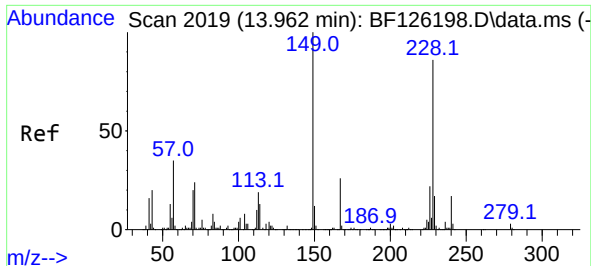
Tgt Ion:228 Resp: 525768
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.1 15.6 23.4



#83
Chrysene
Concen: 32.781 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

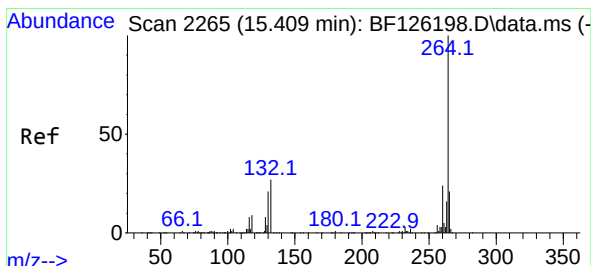
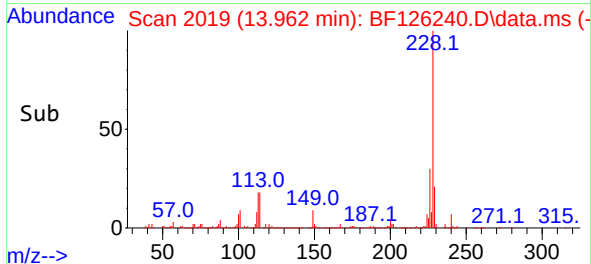
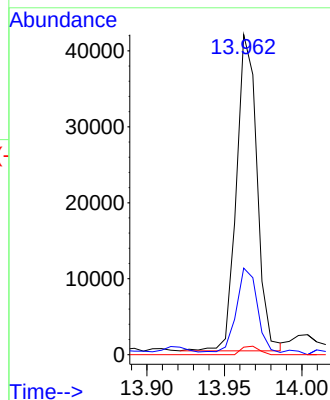
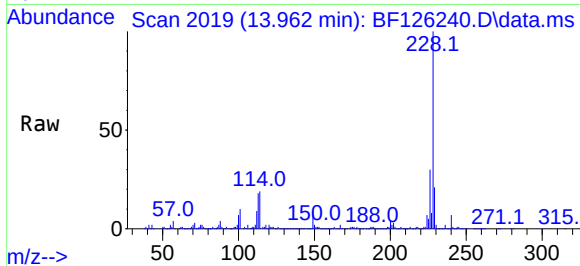
Tgt Ion:228 Resp: 713506
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 21.1 15.9 23.9





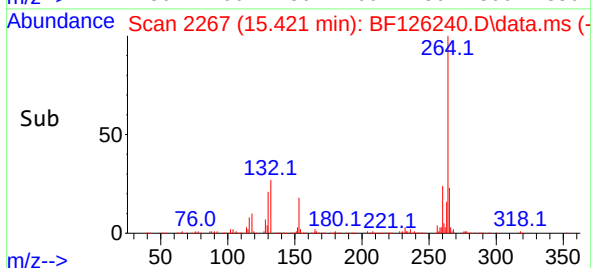
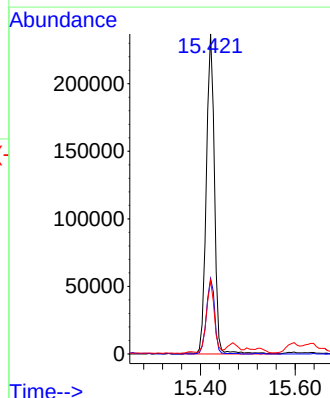
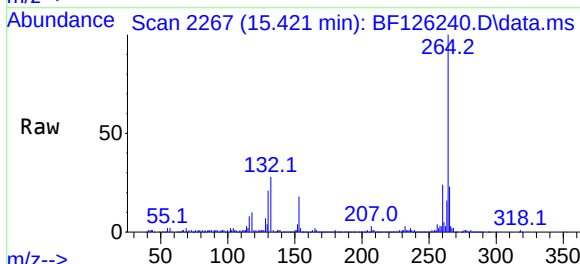
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.250 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

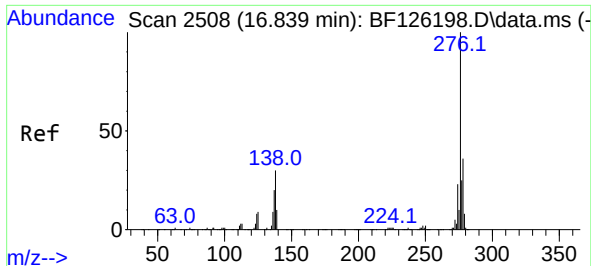
Tgt Ion:	149	Resp:	38449
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.4	32.0
279	2.3	2.6	4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

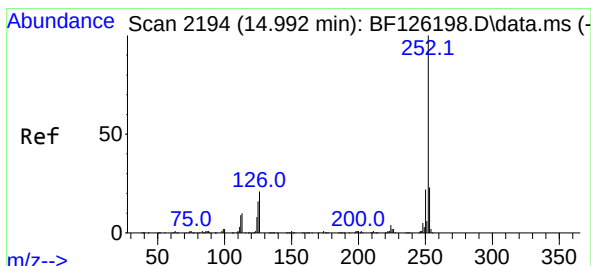
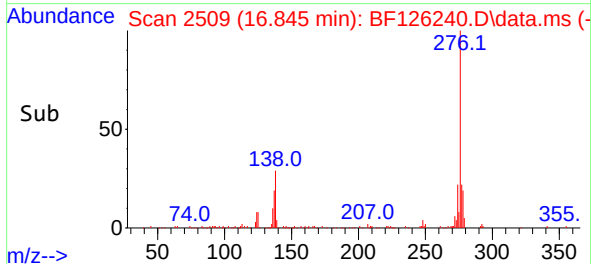
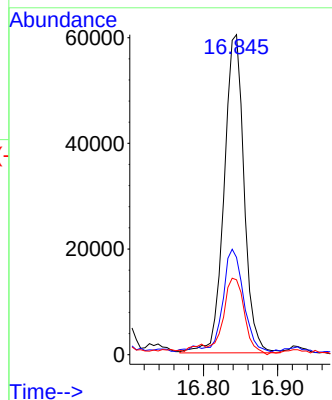
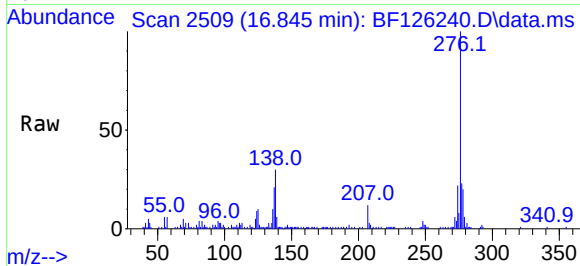
Tgt Ion:	264	Resp:	282703
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.6	29.4
265	23.0	17.2	25.8





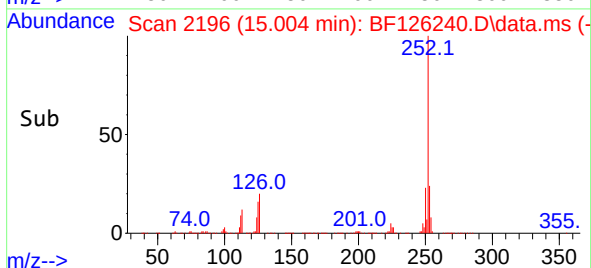
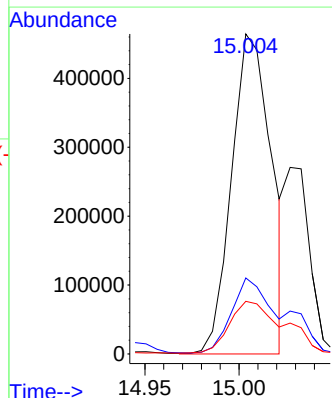
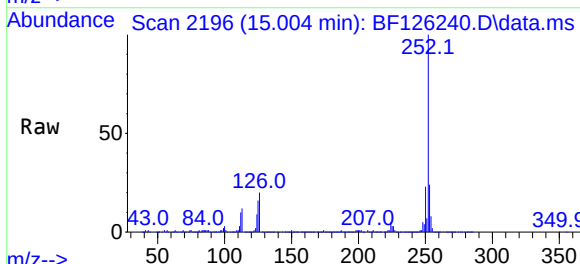
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.984 ng
RT: 16.845 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

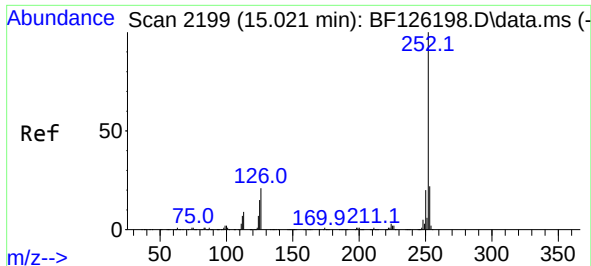
Tgt Ion:276 Resp: 112840
Ion Ratio Lower Upper
276 100
138 33.6 24.1 36.1
277 25.5 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 40.180 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

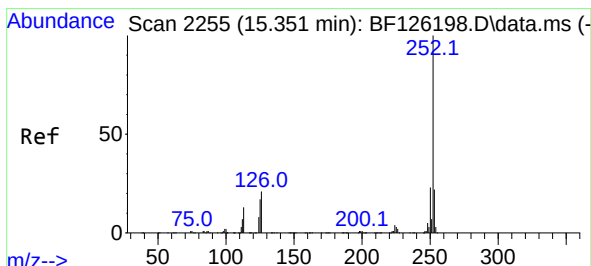
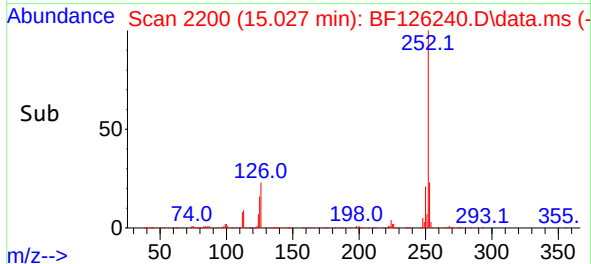
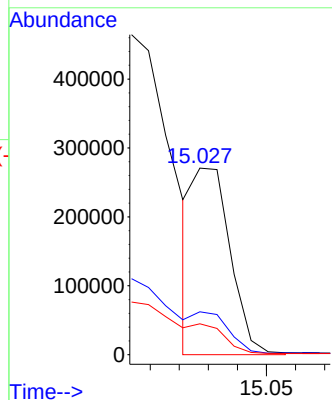
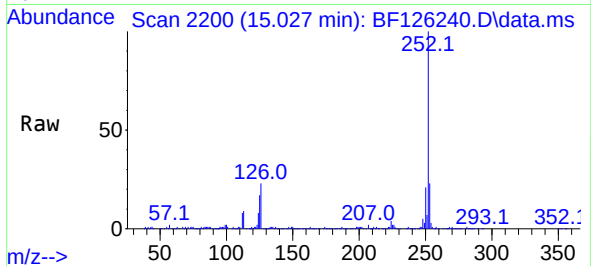
Tgt Ion:252 Resp: 682506
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 16.4 9.8 14.8#





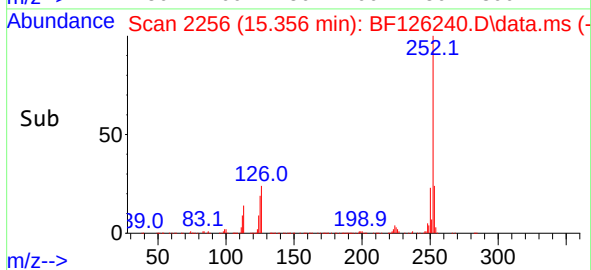
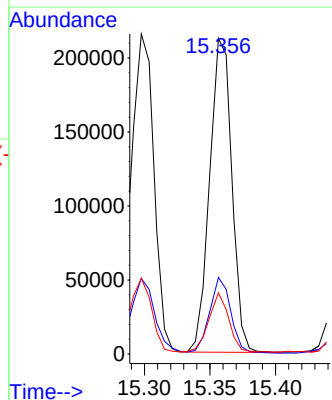
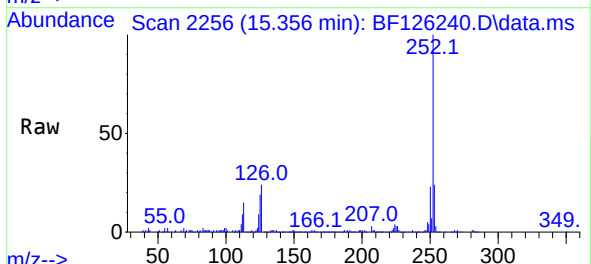
#89
Benzo(k)fluoranthene
Concen: 14.853 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

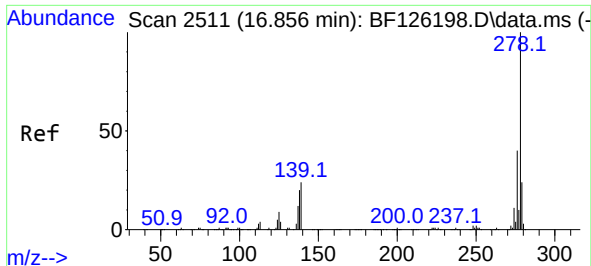
Tgt Ion:252 Resp: 241354
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 16.6 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 17.699 ng
RT: 15.356 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

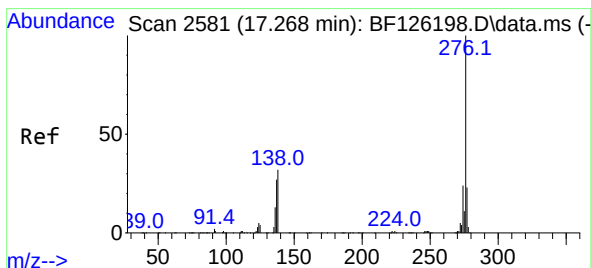
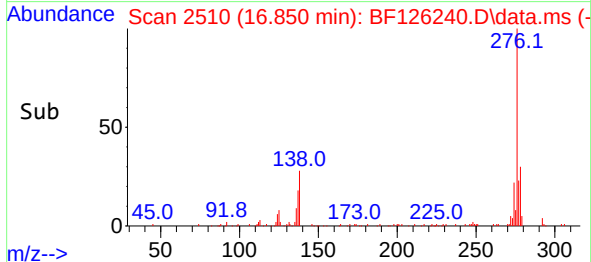
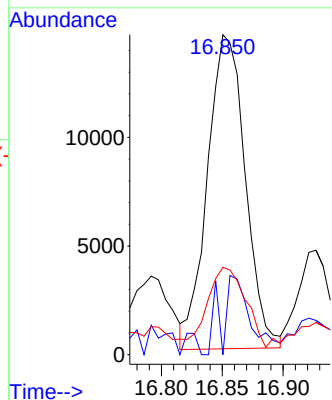
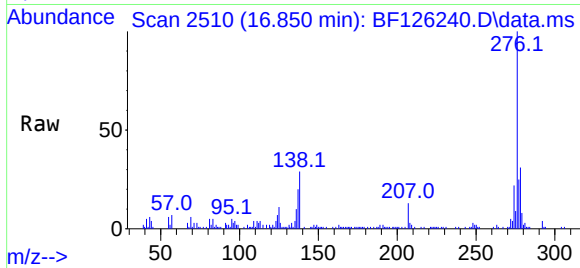
Tgt Ion:252 Resp: 249866
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 19.4 9.9 14.9#





#91
Dibenzo(a,h)anthracene
Concen: 2.044 ng
RT: 16.850 min Scan# 2510
Delta R.T. -0.006 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:278 Resp: 31329
Ion Ratio Lower Upper
278 100
139 0.0 14.9 22.3#
279 27.3 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 5.422 ng
RT: 17.268 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BF126240.D
Acq: 17 Dec 2021 17:52

Tgt Ion:276 Resp: 85991
Ion Ratio Lower Upper
276 100
277 24.4 22.0 33.0
138 35.2 22.2 33.4#

