

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126243.D
 Acq On : 17 Dec 2021 19:31
 Operator : JU/CG
 Sample : M5086-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 18 03:38:35 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

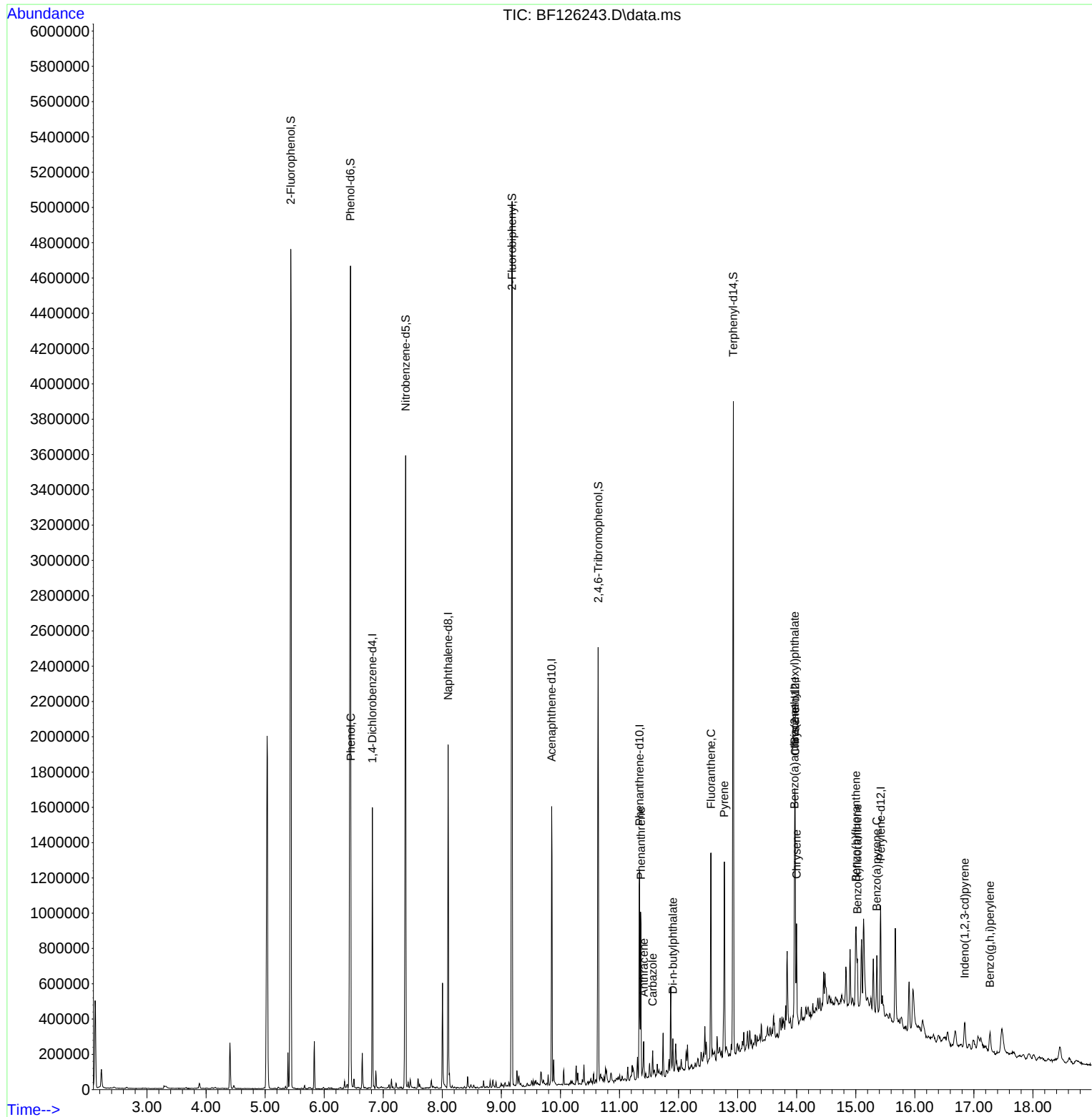
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

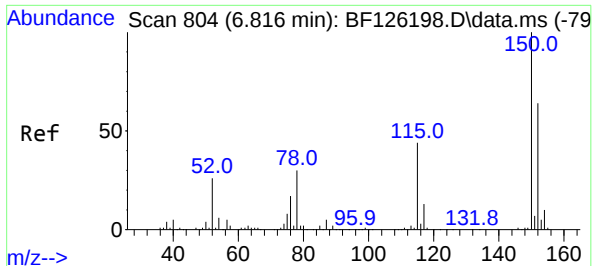
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	199089	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	788011	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	304849	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	416804	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	338053	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	245503	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1596274	118.075	ng	0.01
7) Phenol-d6	6.445	99	1987769	115.798	ng	0.00
23) Nitrobenzene-d5	7.381	82	1242988	85.429	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	270030	110.221	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1532405	88.163	ng	0.00
79) Terphenyl-d14	12.927	244	1201317	61.766	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.451	94	39874	2.069	ng	# 67
71) Phenanthrene	11.363	178	338725	15.745	ng	99
72) Anthracene	11.410	178	64045	2.966	ng	98
73) Carbazole	11.563	167	49528	2.436	ng	97
74) Di-n-butylphthalate	11.904	149	68826	2.670	ng	99
75) Fluoranthene	12.551	202	464464	23.963	ng	93
78) Pyrene	12.774	202	408191	13.143	ng	97
81) Benzo(a)anthracene	13.963	228	204617	10.218	ng	97
83) Chrysene	13.998	228	191826	9.220	ng	96
84) Bis(2-ethylhexyl)phtha...	13.969	149	54272	3.323	ng	96
87) Indeno(1,2,3-cd)pyrene	16.845	276	89232	5.449	ng	98
88) Benzo(b)fluoranthene	15.004	252	256123m	17.363	ng	
89) Benzo(k)fluoranthene	15.027	252	64782m	4.591	ng	
90) Benzo(a)pyrene	15.357	252	143465	11.702	ng	# 93
92) Benzo(g,h,i)perylene	17.274	276	84450	6.132	ng	# 91

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

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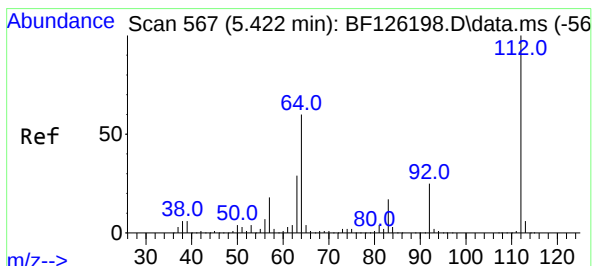
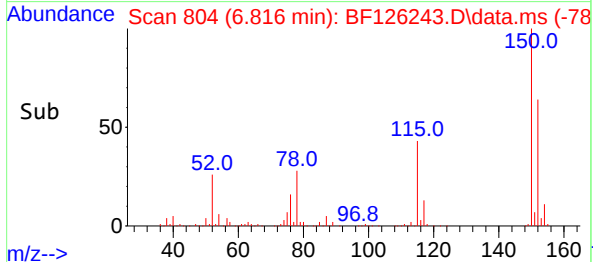
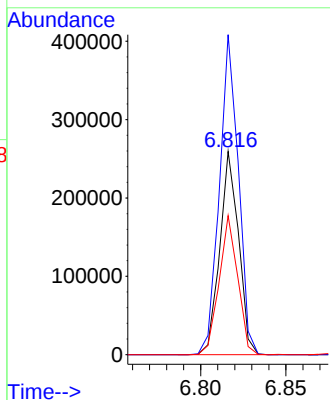
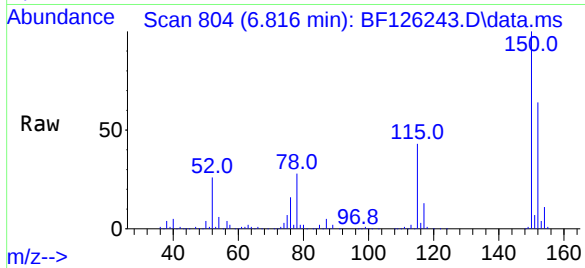
Quant Time: Dec 18 03:38:35 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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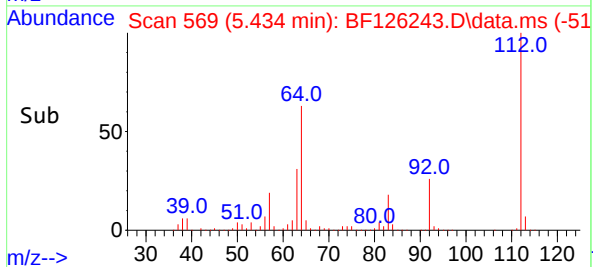
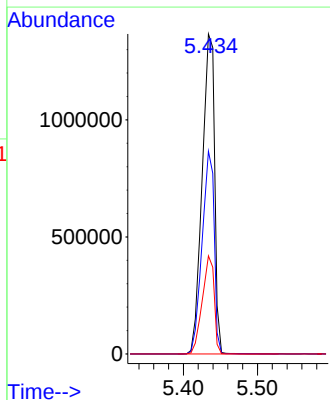
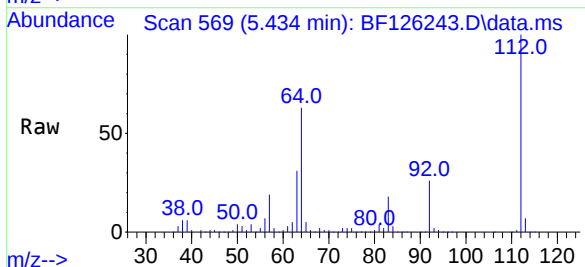
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

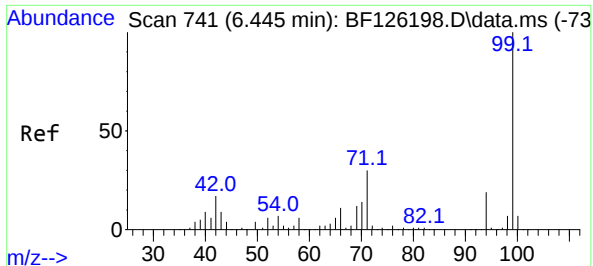
Tgt Ion:152 Resp: 199089
Ion Ratio Lower Upper
152 100
150 157.5 117.6 176.4
115 68.4 47.1 70.7



#5
2-Fluorophenol
Concen: 118.075 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion:112 Resp: 1596274
Ion Ratio Lower Upper
112 100
64 63.4 44.2 66.2
63 30.7 26.2 39.2

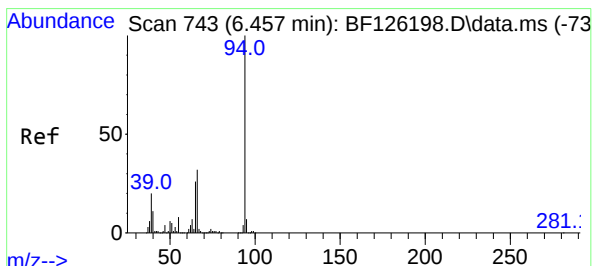
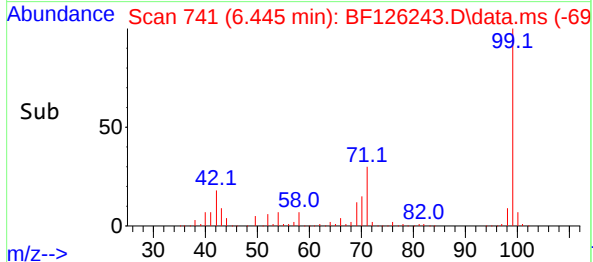
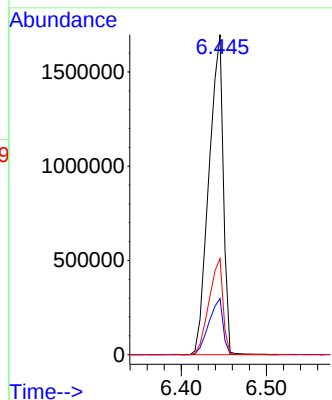
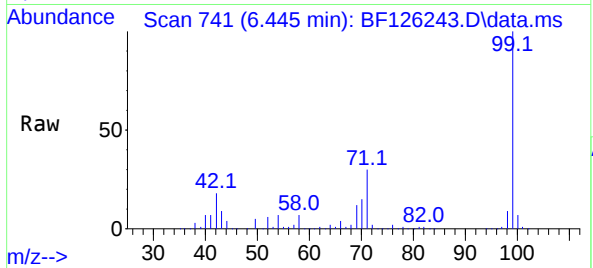




#7
Phenol-d6
Concen: 115.798 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion: 99 Resp: 1987769

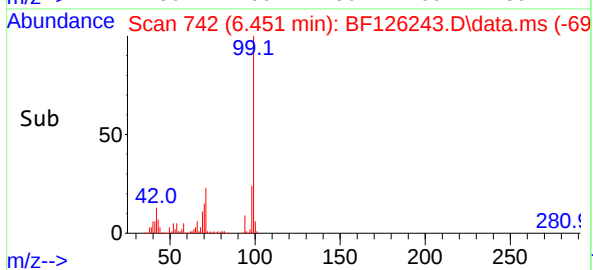
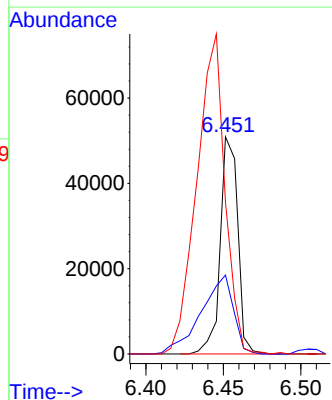
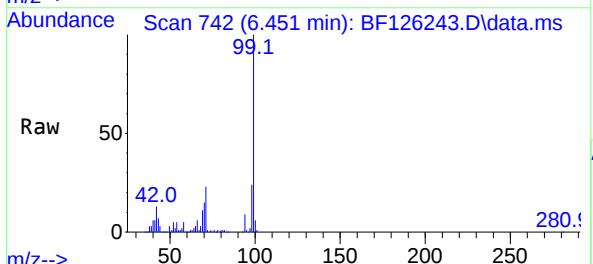
Ion	Ratio	Lower	Upper
99	100		
42	17.5	23.5	35.3#
71	30.0	25.6	38.4

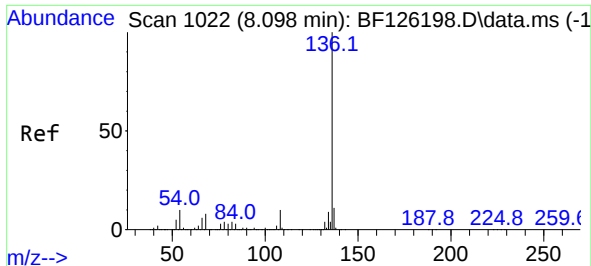


#10
Phenol
Concen: 2.069 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion: 94 Resp: 39874

Ion	Ratio	Lower	Upper
94	100		
65	36.3	9.3	49.3
66	69.9	20.3	60.3#

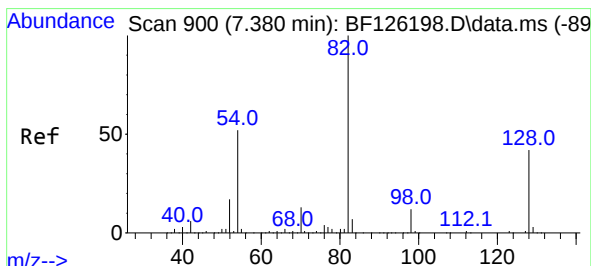
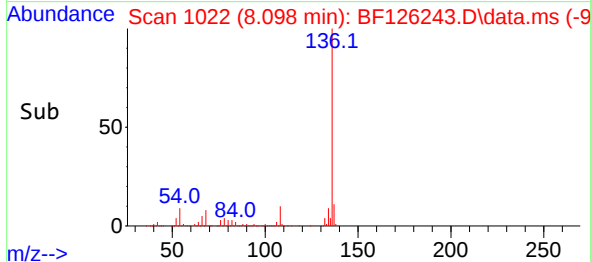
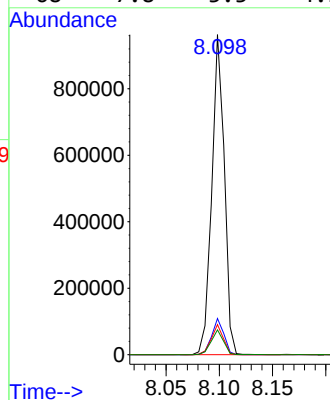
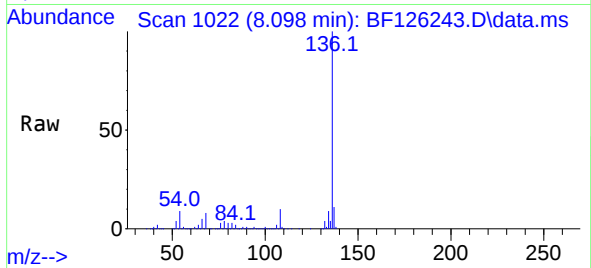




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion:136 Resp: 788011

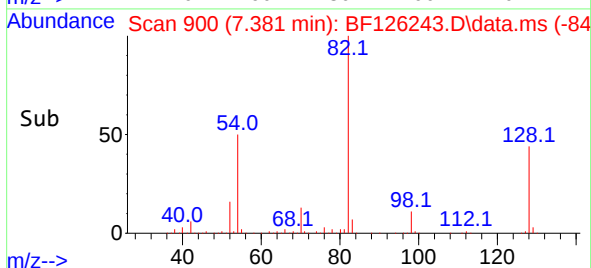
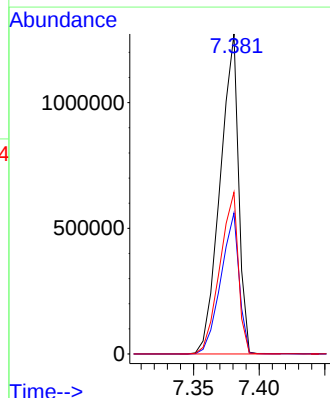
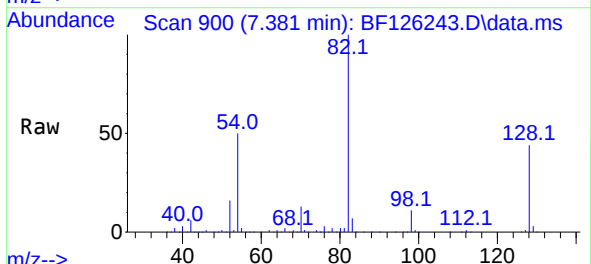
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	9.4	6.4	9.6
68	7.8	3.3	4.9

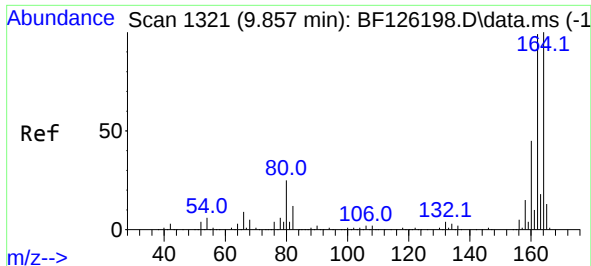


#23
Nitrobenzene-d5
Concen: 85.429 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion: 82 Resp: 1242988

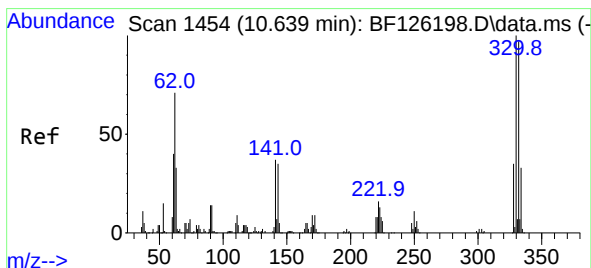
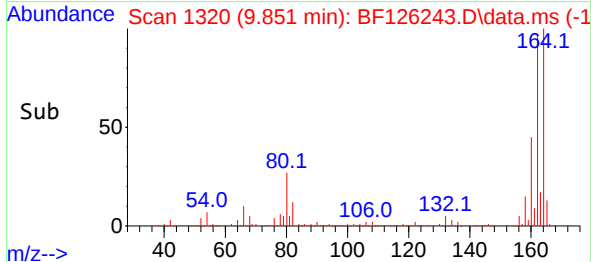
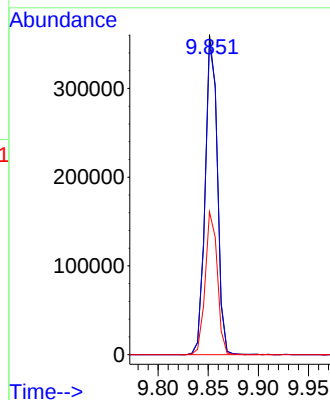
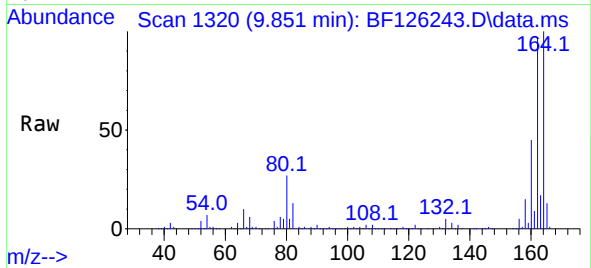
Ion	Ratio	Lower	Upper
82	100		
128	44.0	40.6	60.8
54	50.5	49.6	74.4





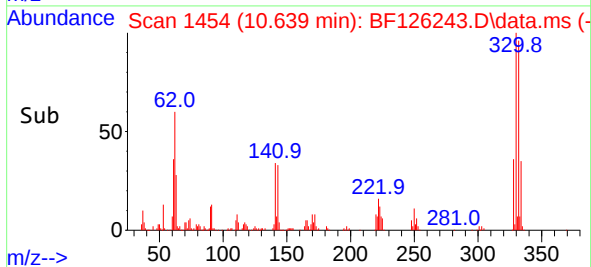
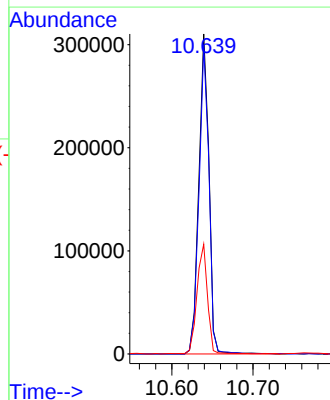
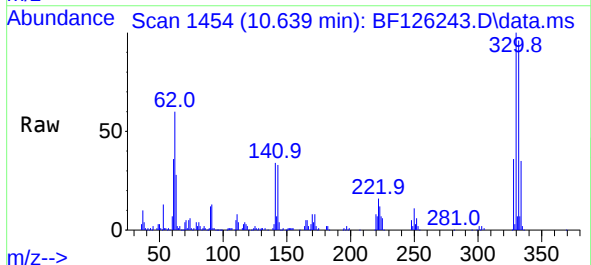
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

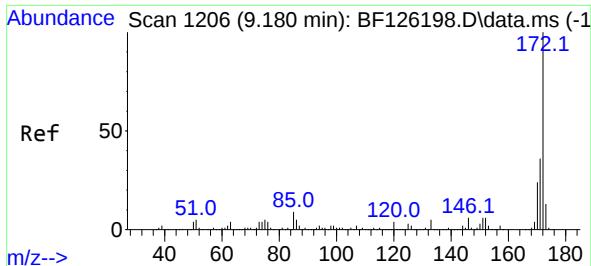
Tgt Ion:164 Resp: 304849
Ion Ratio Lower Upper
164 100
162 97.4 81.3 121.9
160 44.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 110.221 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

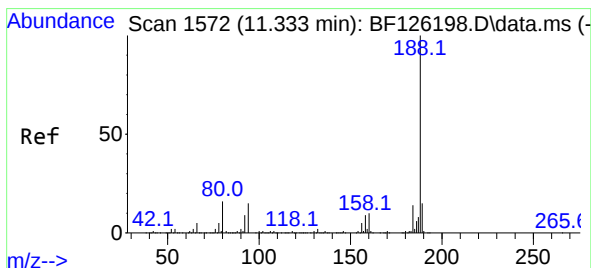
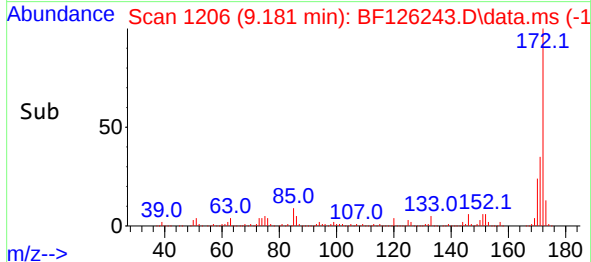
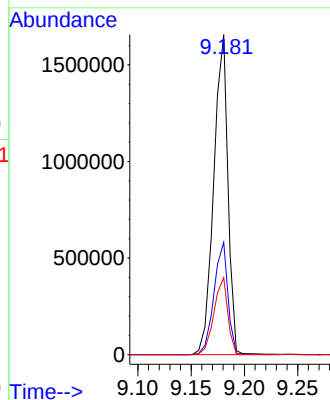
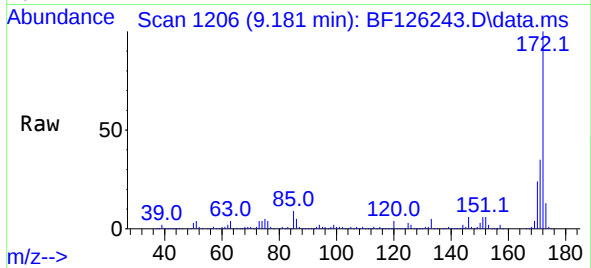
Tgt Ion:330 Resp: 270030
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 35.2 44.6 66.8#





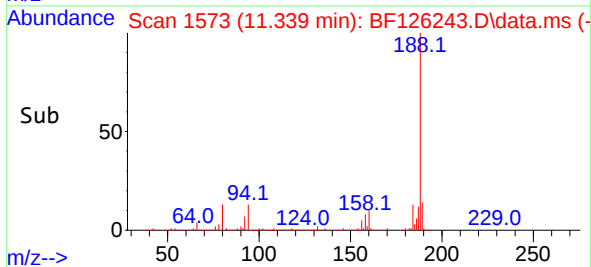
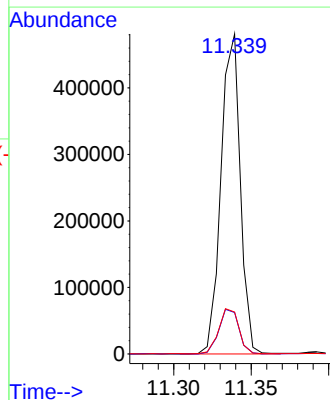
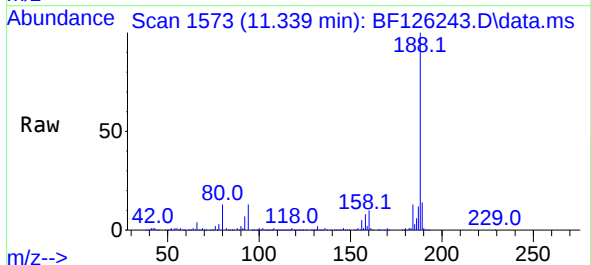
#45
2-Fluorobiphenyl
Concen: 88.163 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

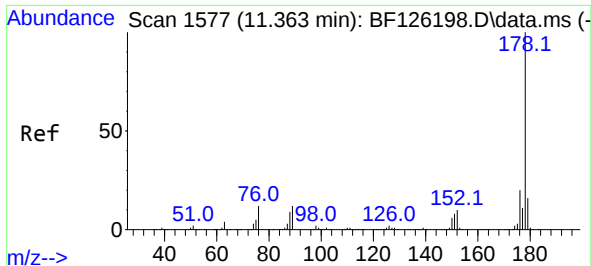
Tgt Ion:172 Resp: 1532405
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 24.1 18.8 28.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

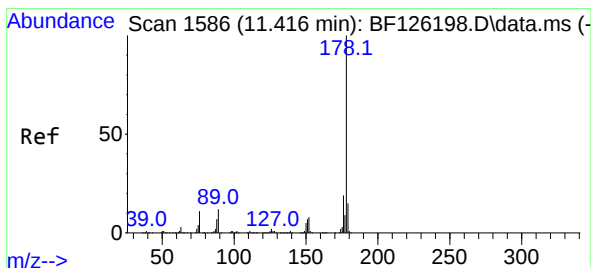
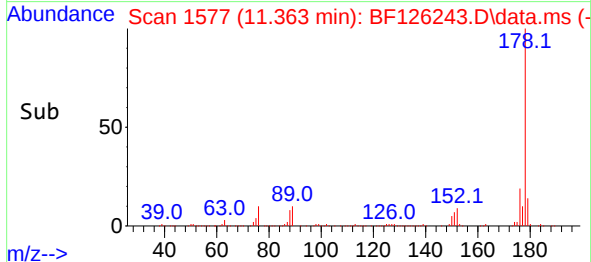
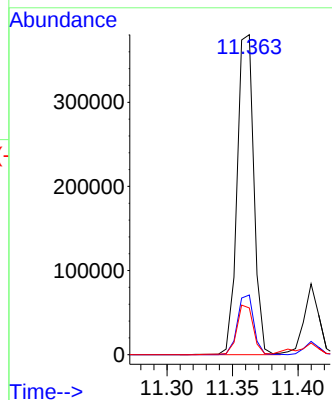
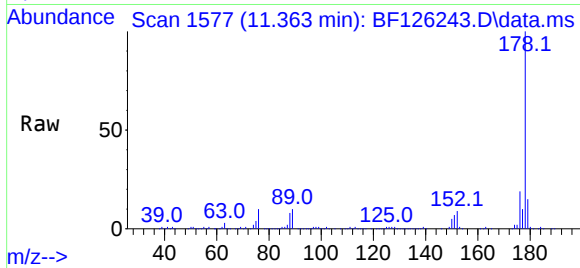
Tgt Ion:188 Resp: 416804
Ion Ratio Lower Upper
188 100
94 12.9 6.7 10.1#
80 13.1 7.5 11.3#





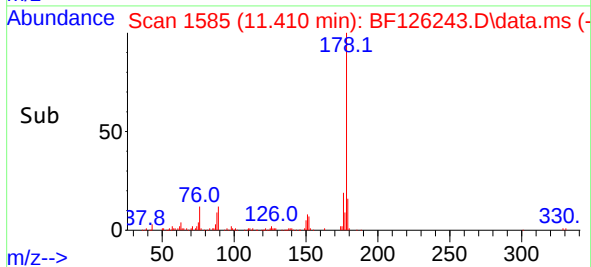
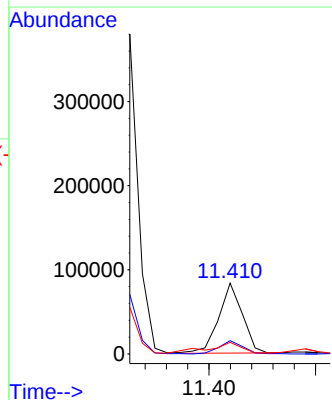
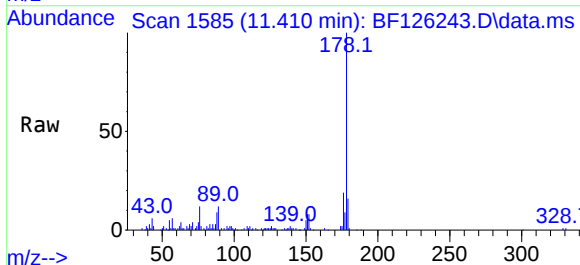
#71
Phenanthrene
Concen: 15.745 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

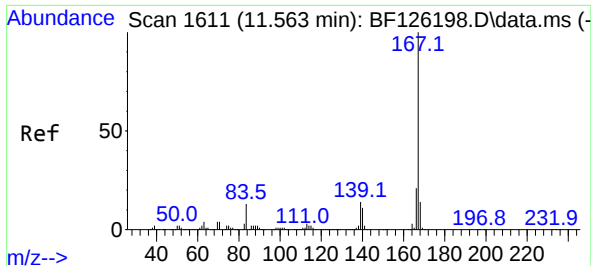
Tgt Ion:178 Resp: 338725
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 14.6 11.5 17.3



#72
Anthracene
Concen: 2.966 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

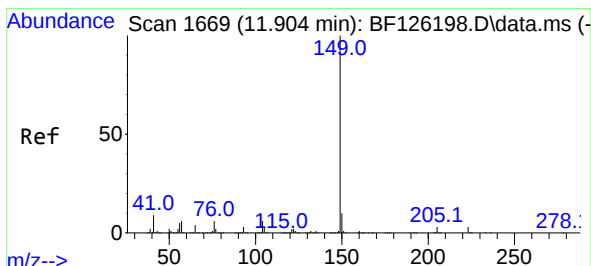
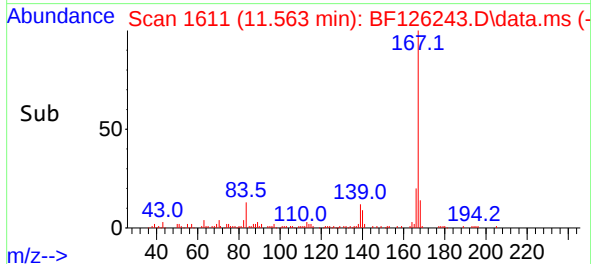
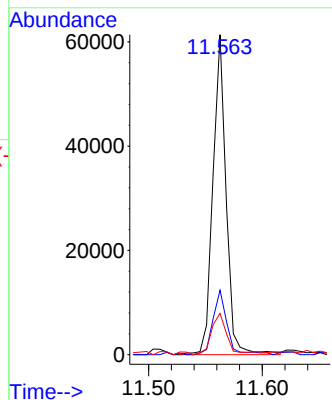
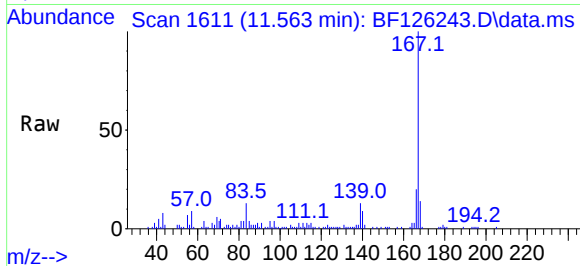
Tgt Ion:178 Resp: 64045
Ion Ratio Lower Upper
178 100
176 18.7 14.3 21.5
179 16.5 12.2 18.4





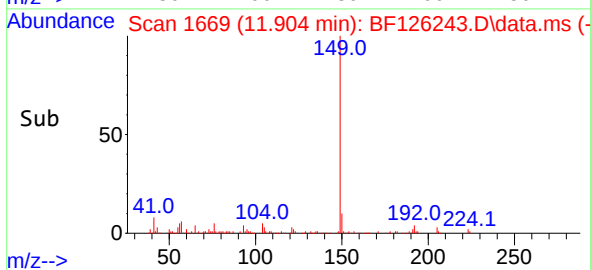
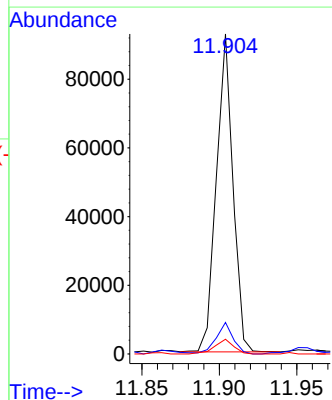
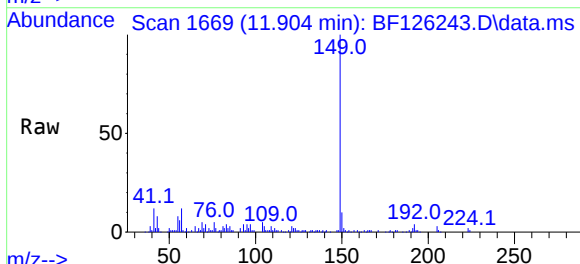
#73
 Carbazole
 Concen: 2.436 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126243.D
 Acq: 17 Dec 2021 19:31

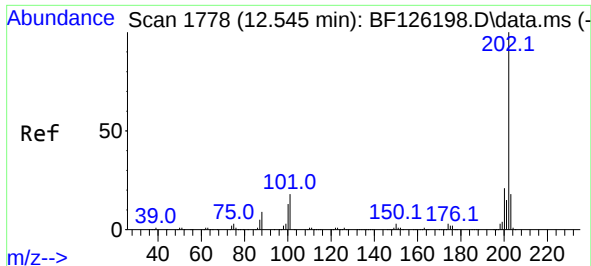
Tgt Ion:167	Resp:	49528
Ion Ratio	Lower	Upper
167	100	
166	20.2	17.4 26.0
139	12.9	11.0 16.4



#74
 Di-n-butylphthalate
 Concen: 2.670 ng
 RT: 11.904 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF126243.D
 Acq: 17 Dec 2021 19:31

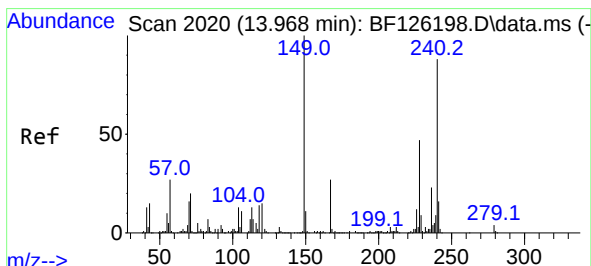
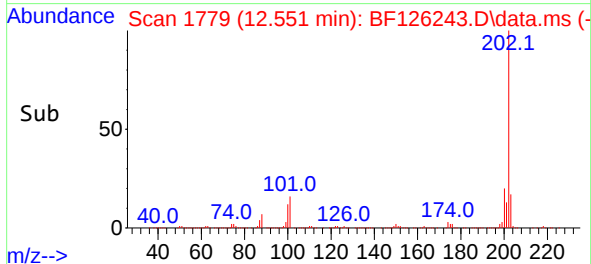
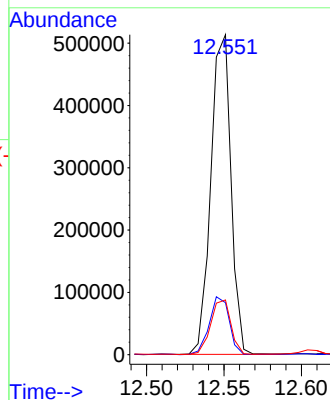
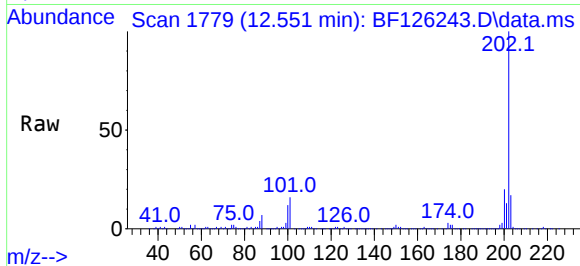
Tgt Ion:149	Resp:	68826
Ion Ratio	Lower	Upper
149	100	
150	9.8	7.4 11.2
104	4.6	4.1 6.1





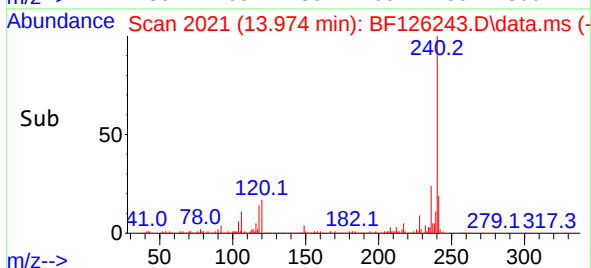
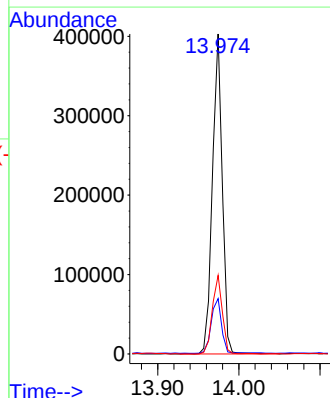
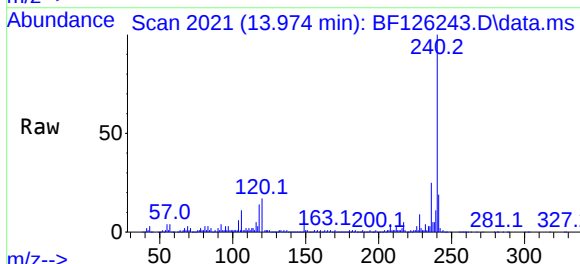
#75
Fluoranthene
Concen: 23.963 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

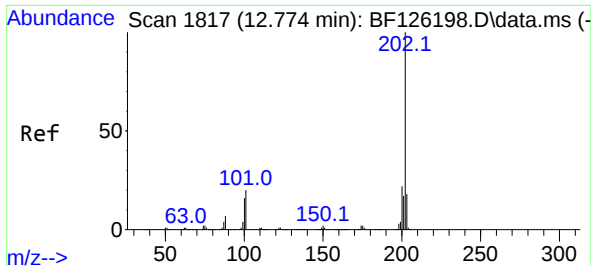
Tgt Ion:	202	Resp:	464464
Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	30.7
203	17.1	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

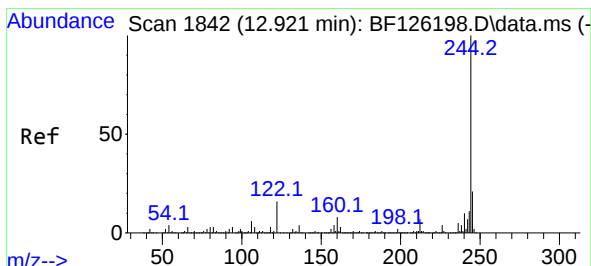
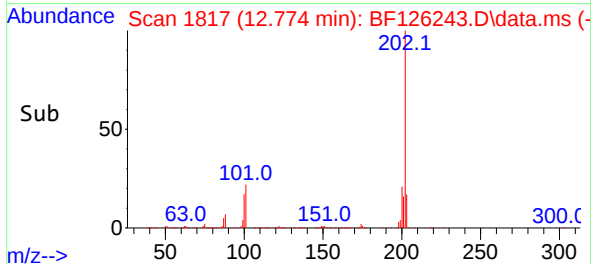
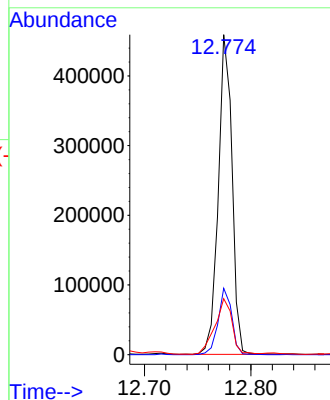
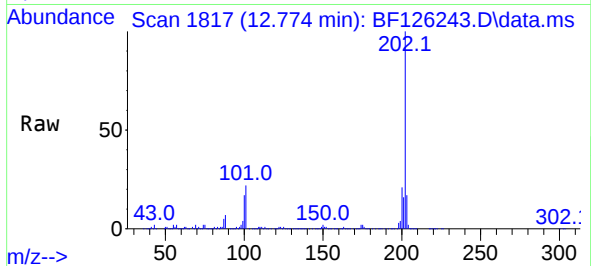
Tgt Ion:	240	Resp:	338053
Ion	Ratio	Lower	Upper
240	100		
120	17.3	10.8	16.2
236	24.6	21.6	32.4





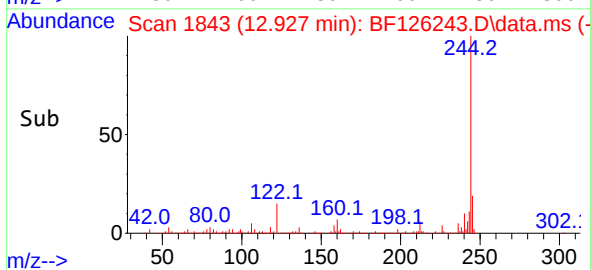
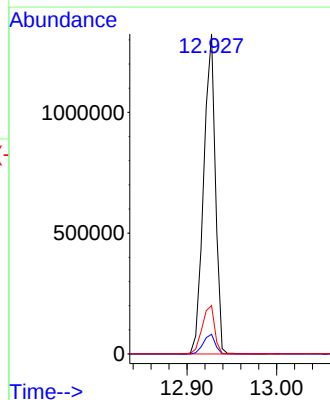
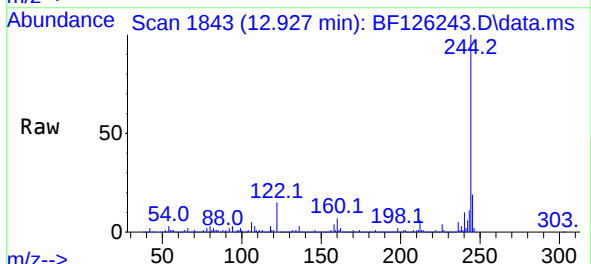
#78
Pyrene
Concen: 13.143 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

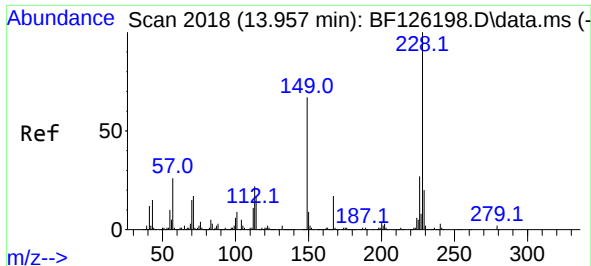
Tgt Ion:	202	Resp:	408191
Ion Ratio	Lower	Upper	
202	100		
200	20.7	15.3	22.9
203	17.5	13.4	20.0



#79
Terphenyl-d14
Concen: 61.766 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

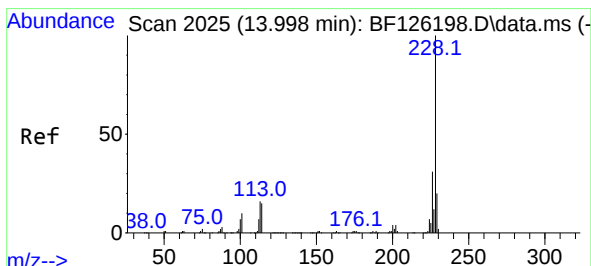
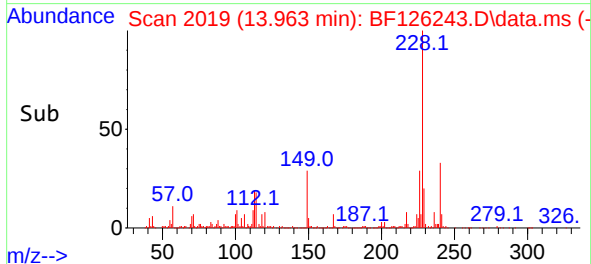
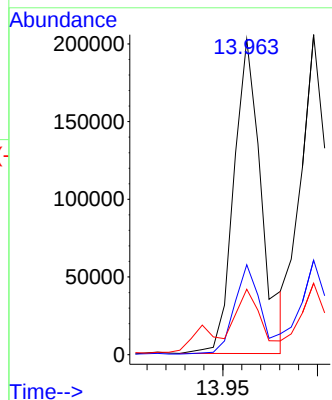
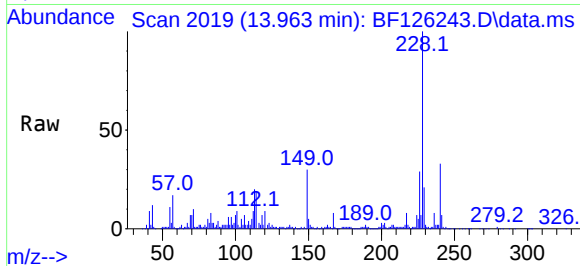
Tgt Ion:	244	Resp:	1201317
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.9	8.9
122	15.1	9.0	13.4





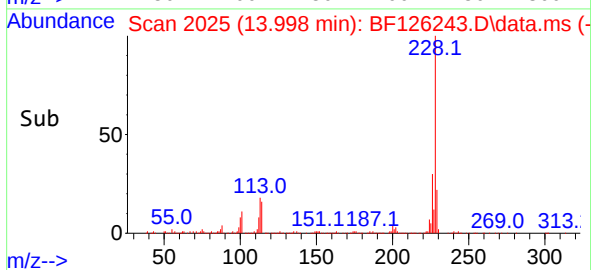
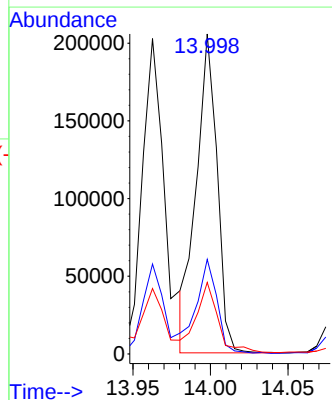
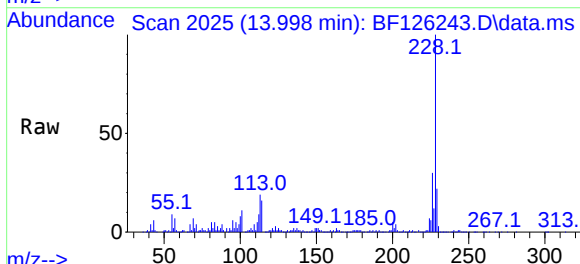
#81
Benzo(a)anthracene
Concen: 10.218 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

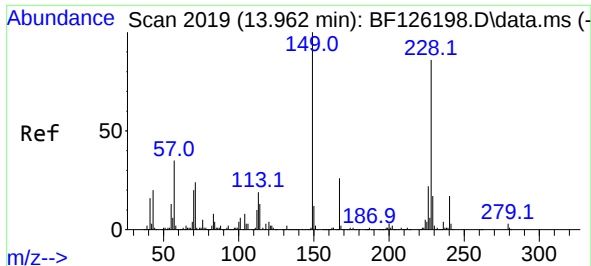
Tgt Ion:228 Resp: 204617
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 20.7 15.6 23.4



#83
Chrysene
Concen: 9.220 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

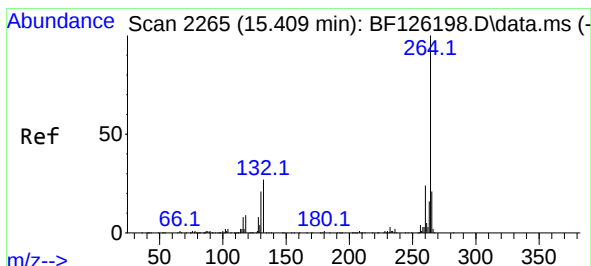
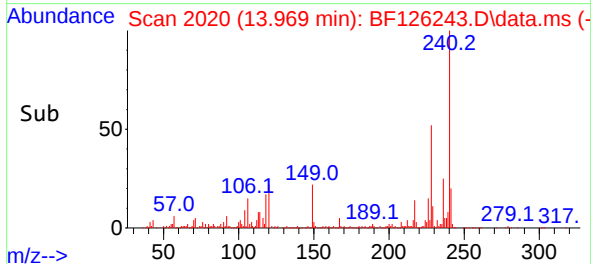
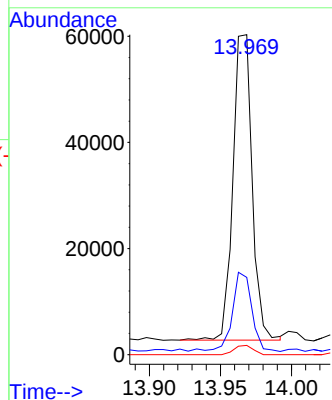
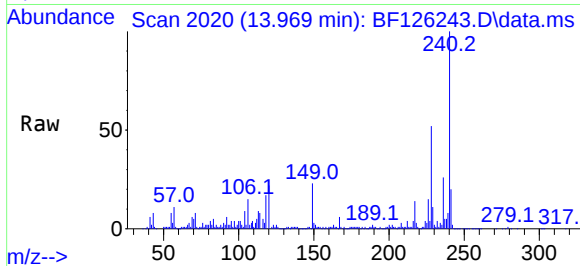
Tgt Ion:228 Resp: 191826
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 22.3 15.9 23.9





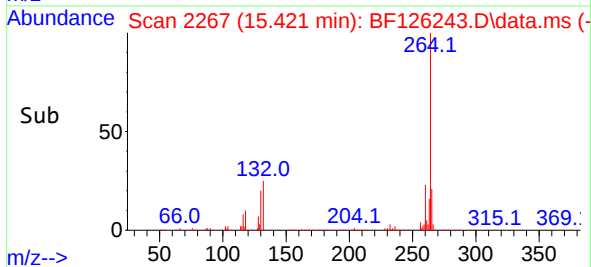
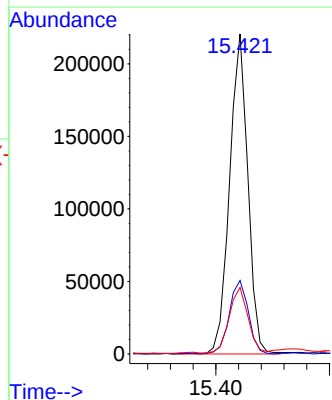
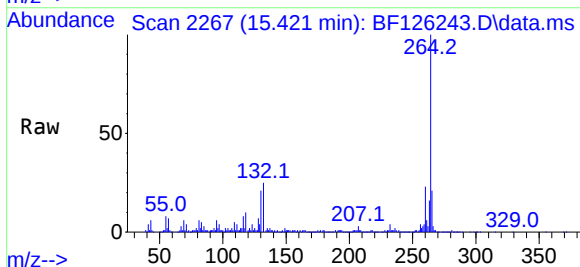
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.323 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

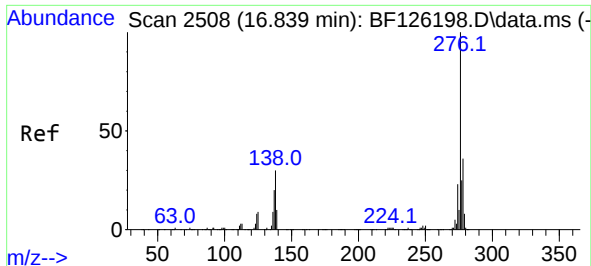
Tgt Ion:	149	Resp:	54272
Ion Ratio	Lower	Upper	
149	100		
167	24.2	21.4	32.0
279	2.9	2.6	4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

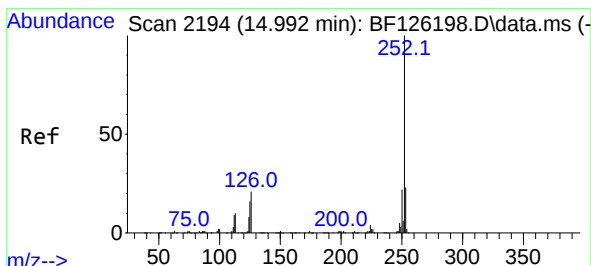
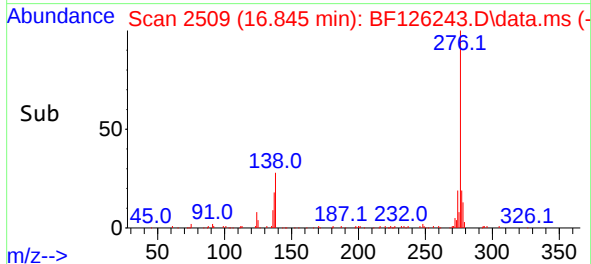
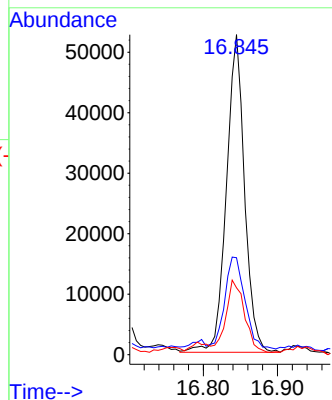
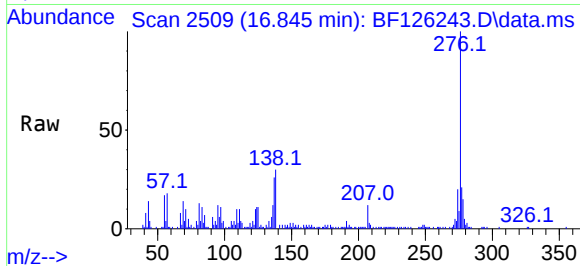
Tgt Ion:	264	Resp:	245503
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.6	29.4
265	20.8	17.2	25.8





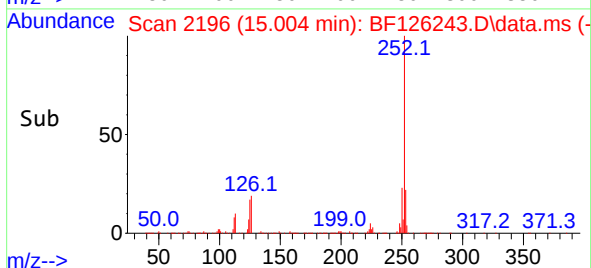
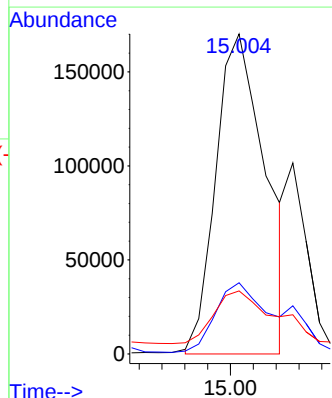
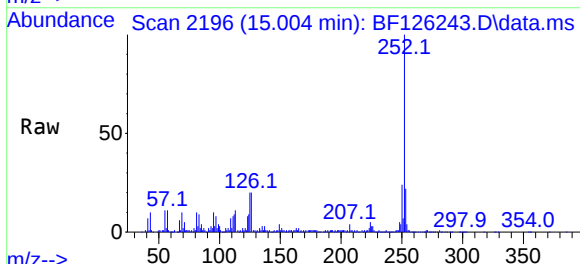
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.449 ng
RT: 16.845 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

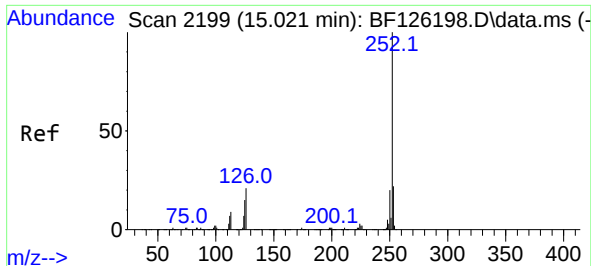
Tgt Ion:276 Resp: 89232
Ion Ratio Lower Upper
276 100
138 32.2 24.1 36.1
277 23.4 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 17.363 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

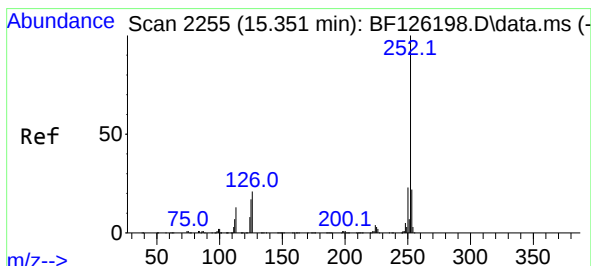
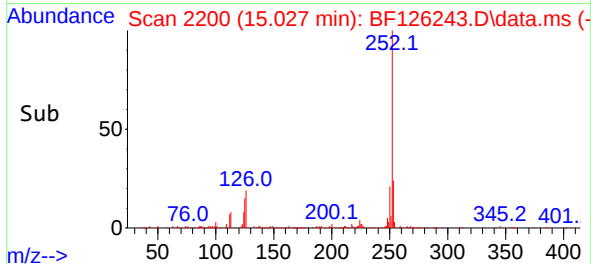
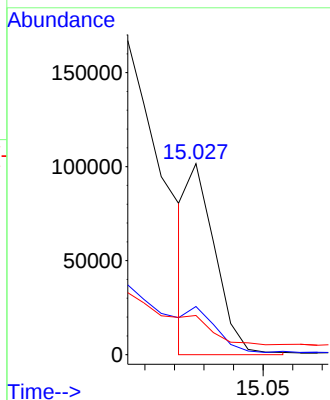
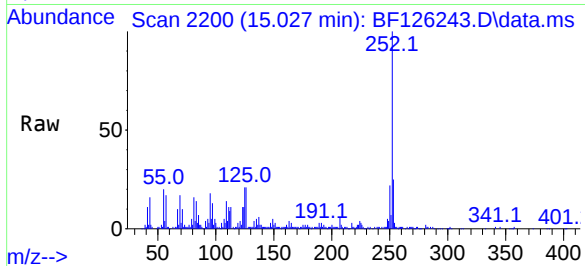
Tgt Ion:252 Resp: 256123
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 19.7 9.8 14.8#





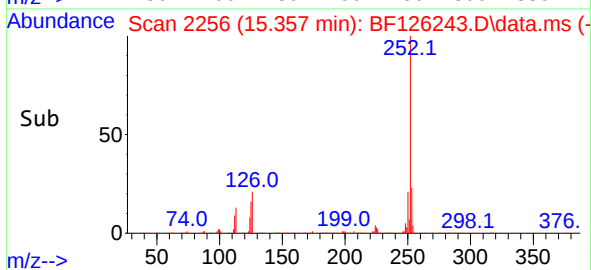
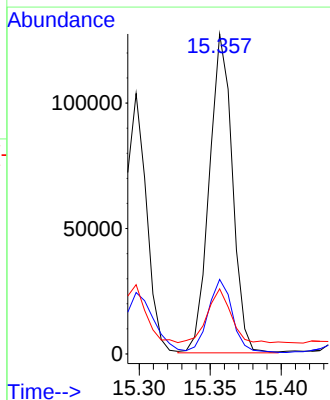
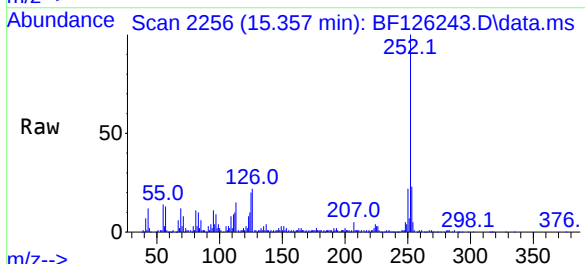
#89
Benzo(k)fluoranthene
Concen: 4.591 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

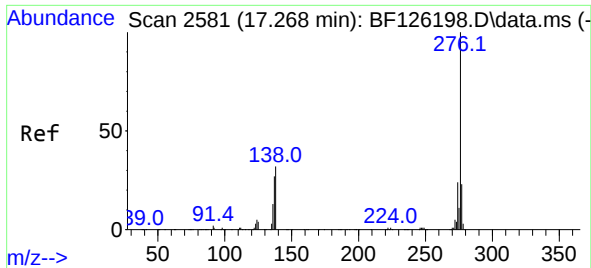
Tgt Ion:252 Resp: 64782
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 20.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 11.702 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126243.D
Acq: 17 Dec 2021 19:31

Tgt Ion:252 Resp: 143465
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 20.3 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 6.132 ng
 RT: 17.274 min Scan# 2582
 Delta R.T. 0.006 min
 Lab File: BF126243.D
 Acq: 17 Dec 2021 19:31

Tgt Ion:	276	Resp:	84450
Ion Ratio	Lower	Upper	
276	100		
277	24.8	22.0	33.0
138	34.9	22.2	33.4#

