

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126234.D
 Acq On : 17 Dec 2021 14:35
 Operator : JU/CG
 Sample : M5030-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 14:58:10 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

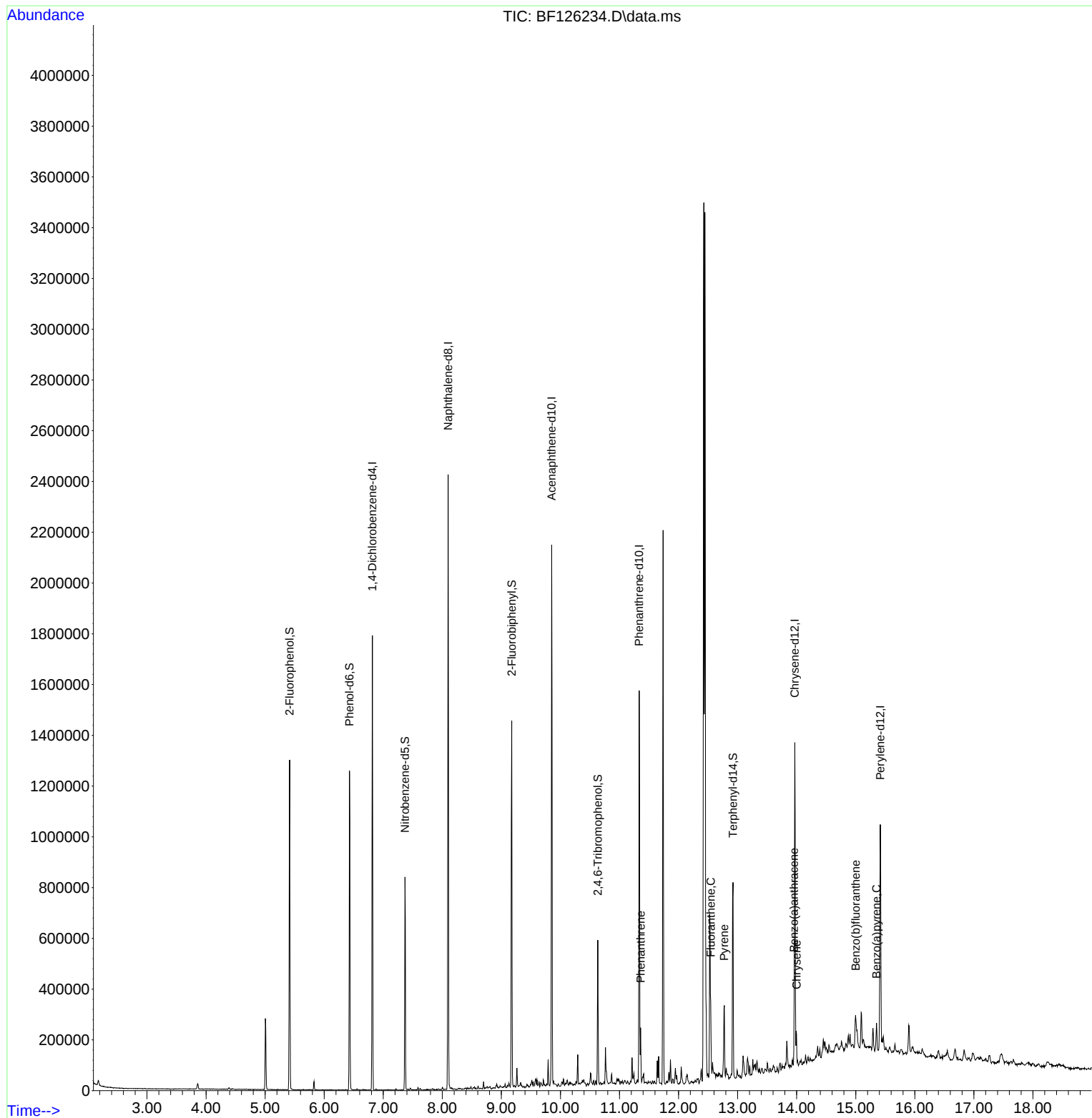
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	237775	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	950731	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	392462	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	501912	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	380903	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	356396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	343964	21.303	ng	0.00
7) Phenol-d6	6.428	99	414385	20.213	ng	-0.02
23) Nitrobenzene-d5	7.369	82	249409	14.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	51614	16.365	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	386244	17.261	ng	0.00
79) Terphenyl-d14	12.921	244	240375	10.969	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.357	178	65311	2.521	ng	99
75) Fluoranthene	12.545	202	98710	4.229	ng	93
78) Pyrene	12.774	202	102092	2.917	ng	99
81) Benzo(a)anthracene	13.957	228	48409m	2.146	ng	
83) Chrysene	13.998	228	51741	2.207	ng	99
88) Benzo(b)fluoranthene	14.998	252	70612m	3.297	ng	
90) Benzo(a)pyrene	15.351	252	46571	2.617	ng	# 89

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

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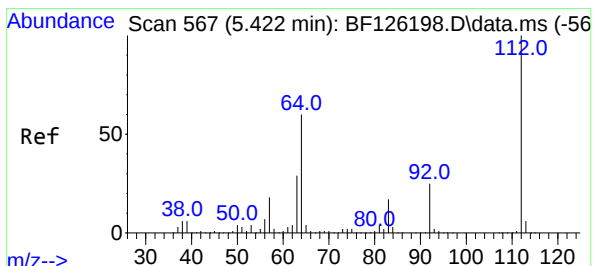
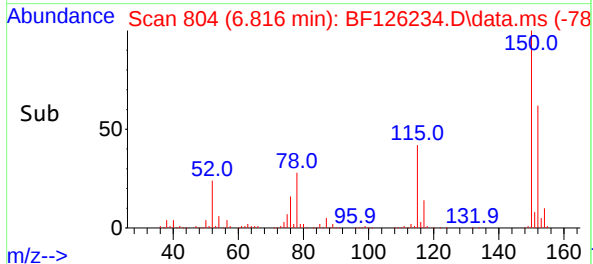
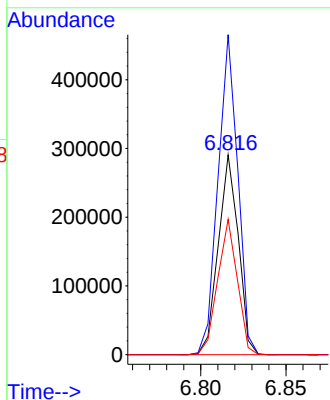
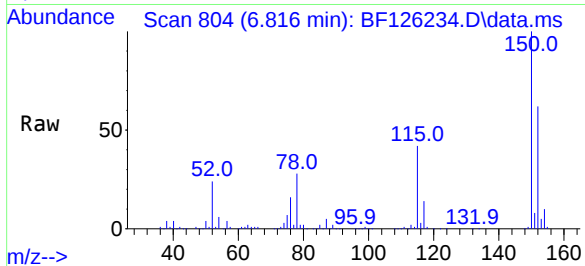
Quant Time: Dec 17 14:58:10 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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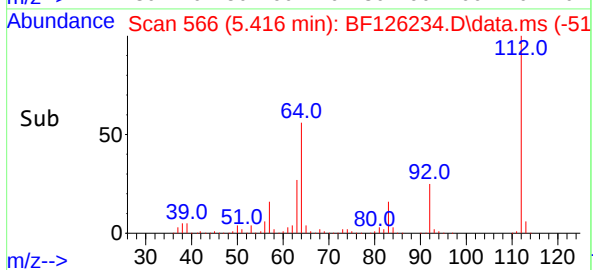
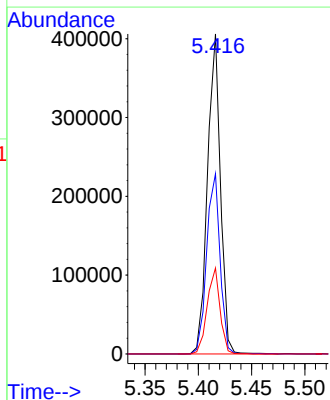
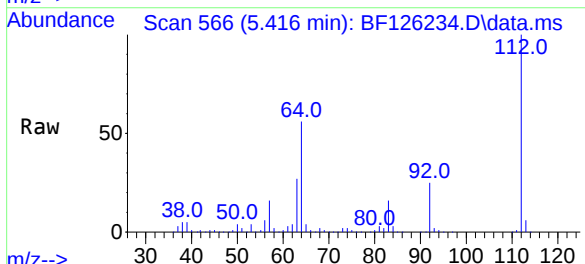
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

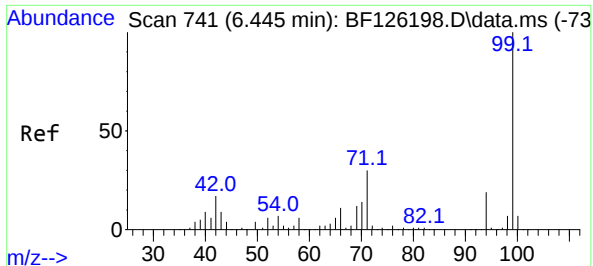
Tgt Ion:152 Resp: 237775
Ion Ratio Lower Upper
152 100
150 160.2 117.6 176.4
115 67.8 47.1 70.7



#5
2-Fluorophenol
Concen: 21.303 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

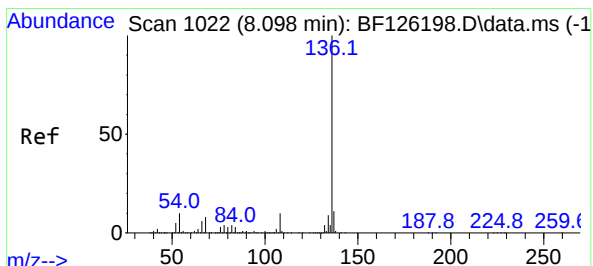
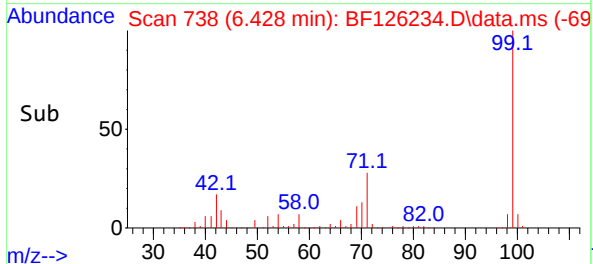
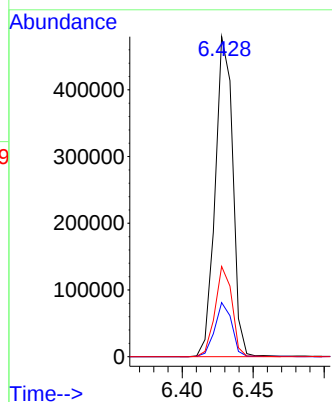
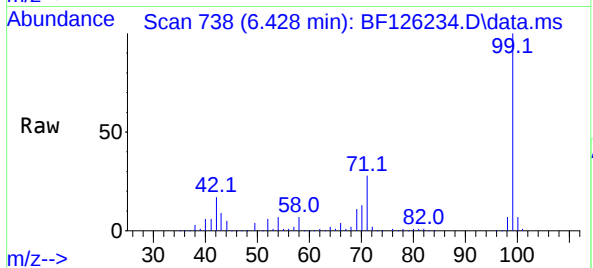
Tgt Ion:112 Resp: 343964
Ion Ratio Lower Upper
112 100
64 56.3 44.2 66.2
63 26.8 26.2 39.2





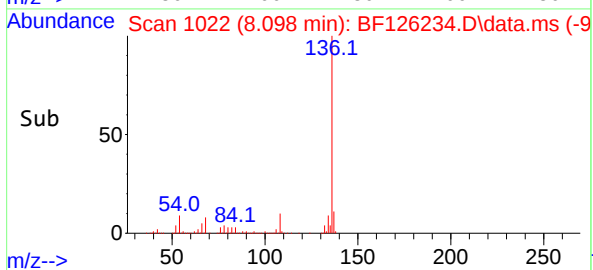
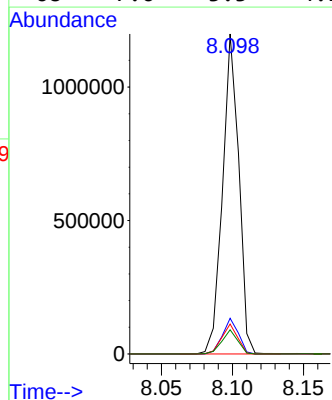
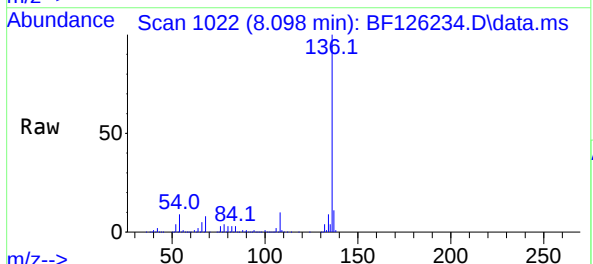
#7
Phenol-d6
Concen: 20.213 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

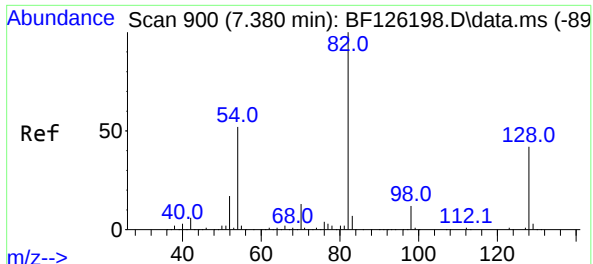
Tgt Ion: 99 Resp: 414385
Ion Ratio Lower Upper
99 100
42 16.9 23.5 35.3#
71 28.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

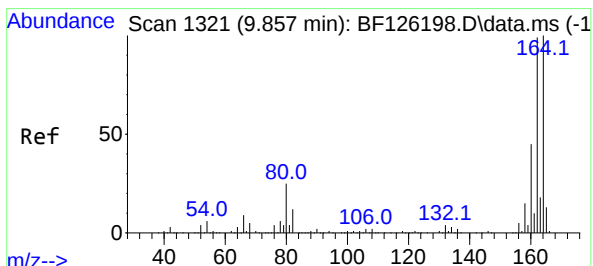
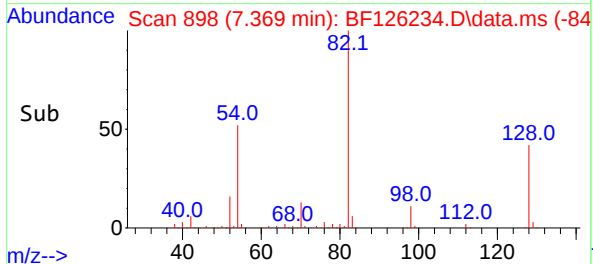
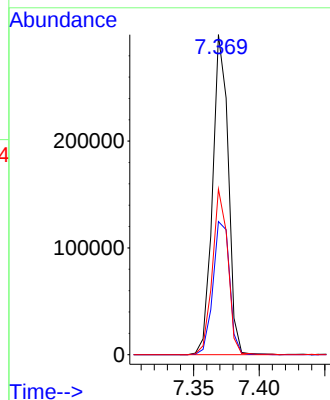
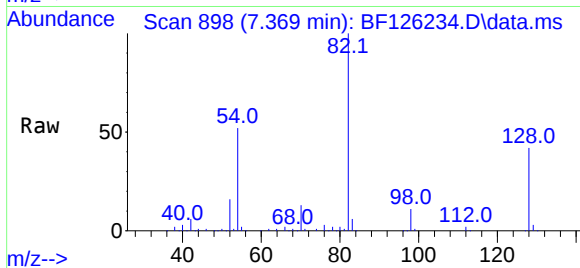
Tgt Ion: 136 Resp: 950731
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.4 6.4 9.6
68 7.6 3.3 4.9#





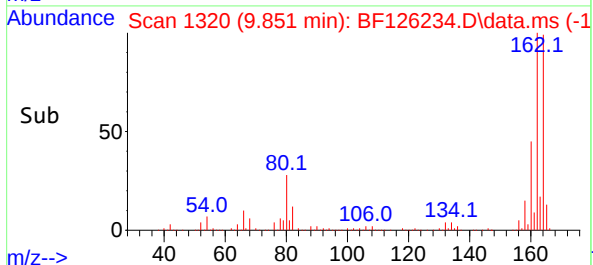
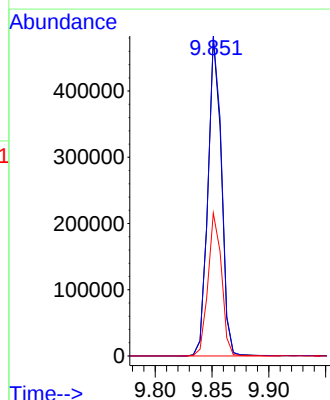
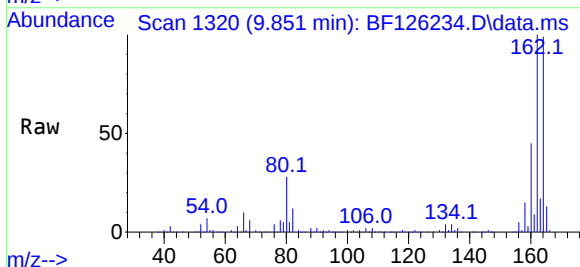
#23
Nitrobenzene-d5
Concen: 14.208 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

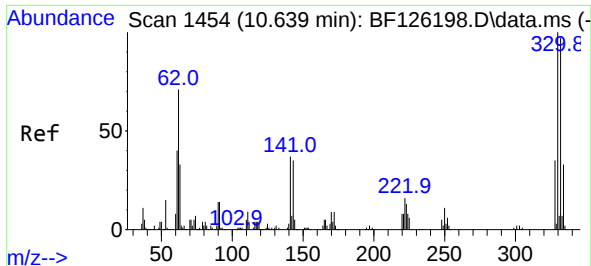
Tgt Ion: 82 Resp: 249409
Ion Ratio Lower Upper
82 100
128 41.6 40.6 60.8
54 51.8 49.6 74.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

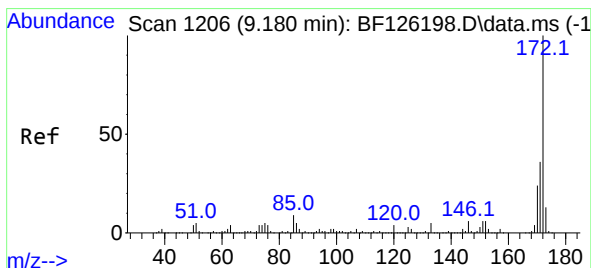
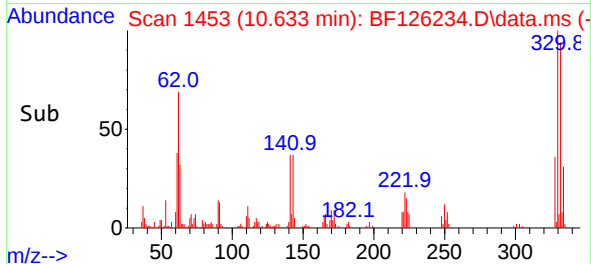
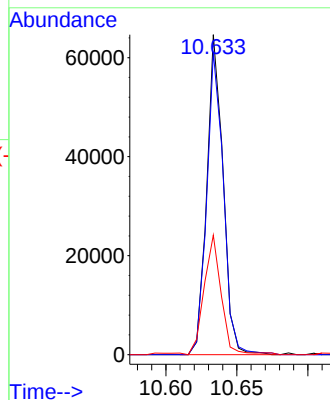
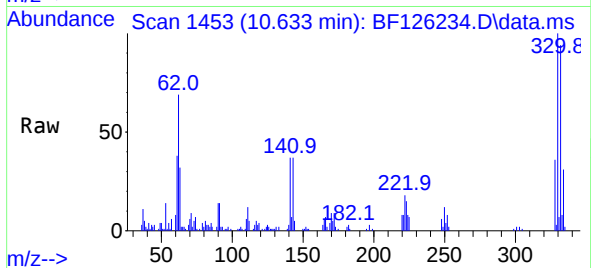
Tgt Ion: 164 Resp: 392462
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.0 38.0 57.0





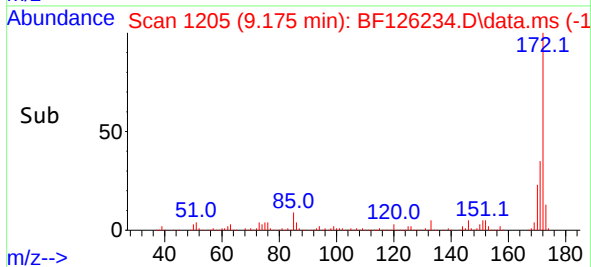
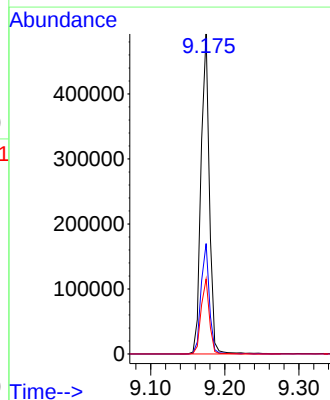
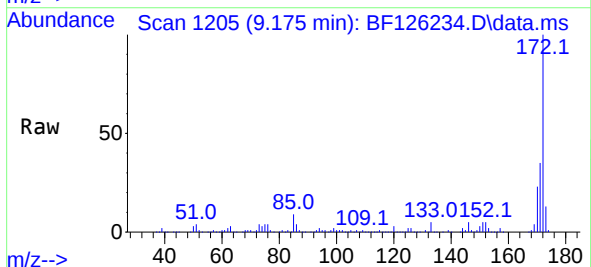
#42
2,4,6-Tribromophenol
Concen: 16.365 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

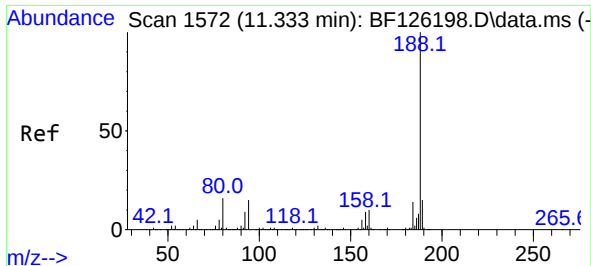
Tgt Ion: 330 Resp: 51614
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 39.5 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 17.261 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

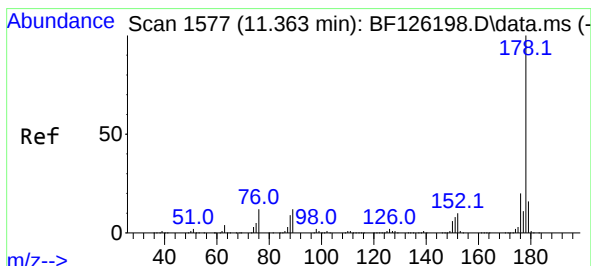
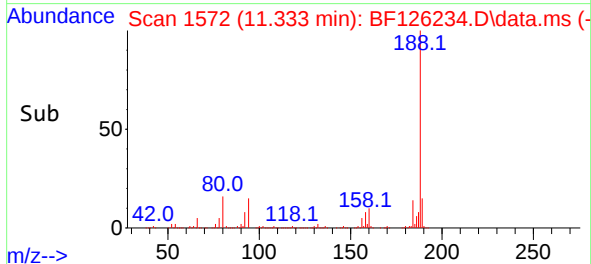
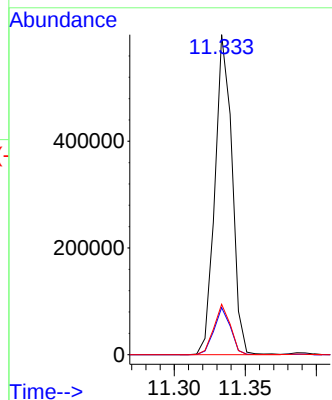
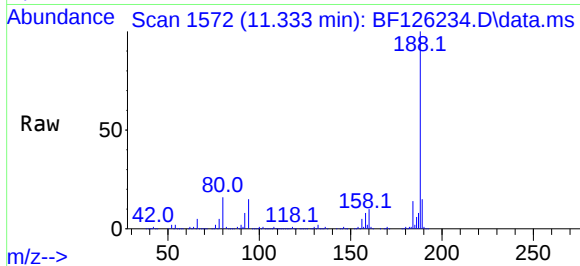
Tgt Ion: 172 Resp: 386244
Ion Ratio Lower Upper
172 100
171 34.5 26.5 39.7
170 23.5 18.8 28.2





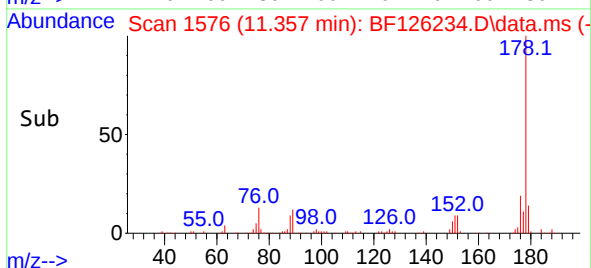
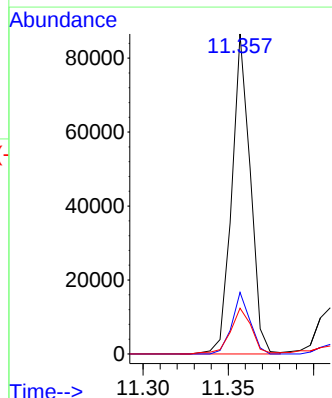
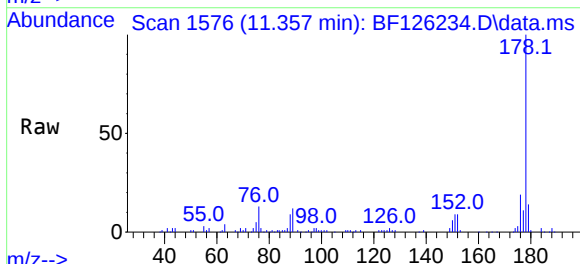
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

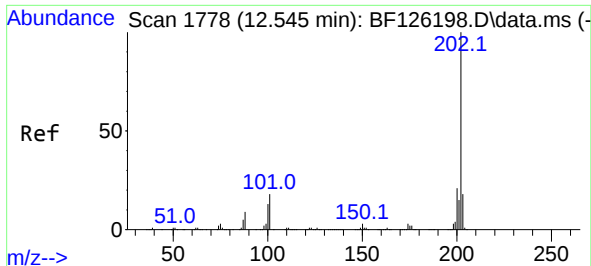
Tgt Ion:188 Resp: 501912
Ion Ratio Lower Upper
188 100
94 14.7 6.7 10.1#
80 15.8 7.5 11.3#



#71
Phenanthrene
Concen: 2.521 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

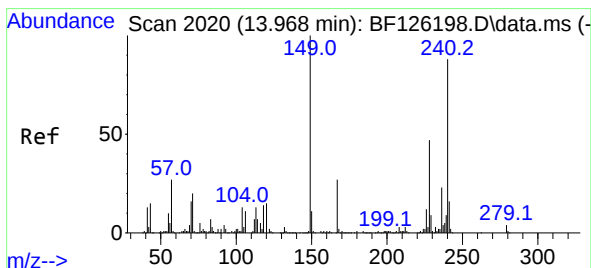
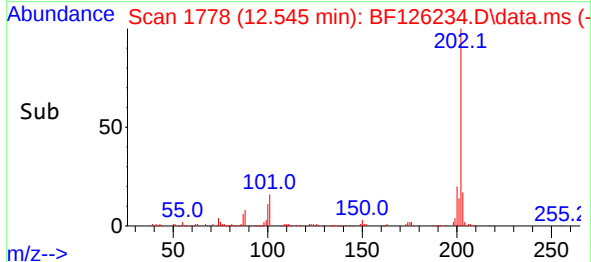
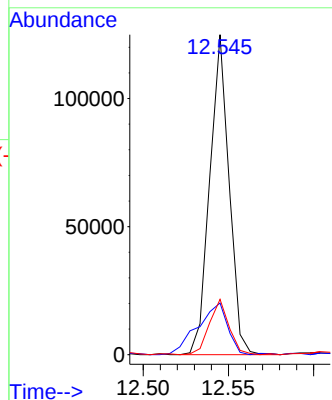
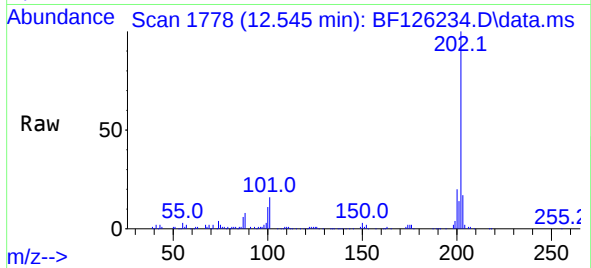
Tgt Ion:178 Resp: 65311
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 14.3 11.5 17.3





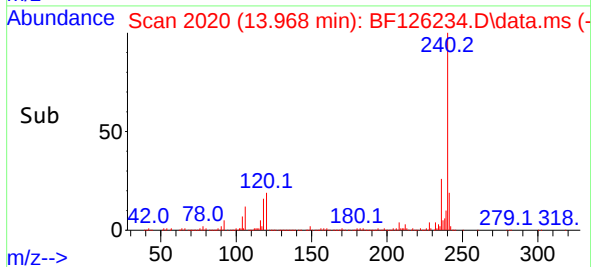
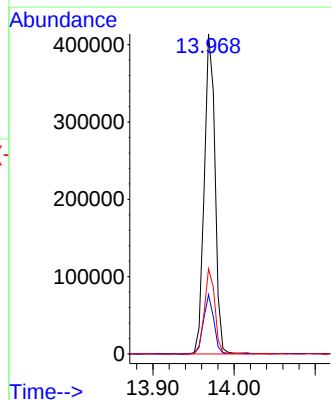
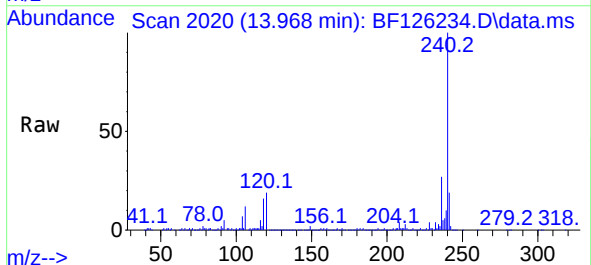
#75
Fluoranthene
Concen: 4.229 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

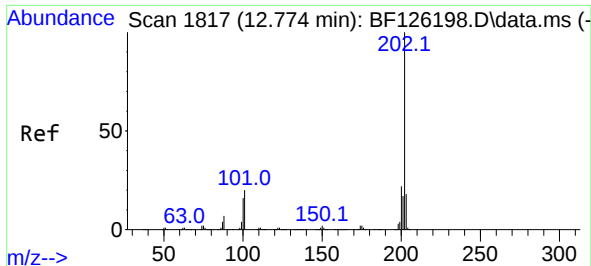
Tgt Ion:	202	Resp:	98710
Ion Ratio	Lower	Upper	
202	100		
101	16.1	0.0	30.7
203	17.3	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

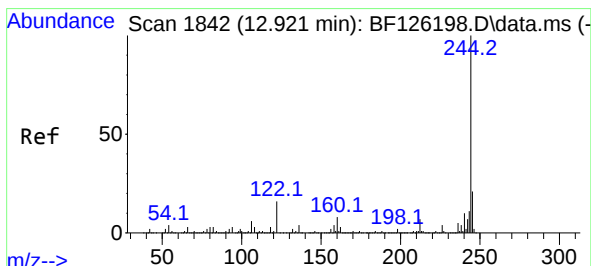
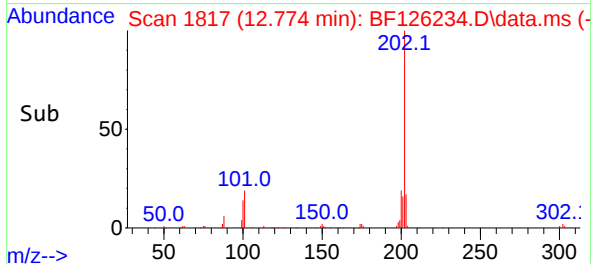
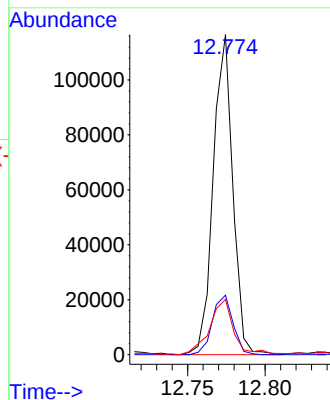
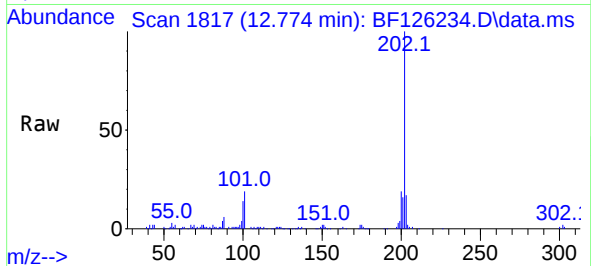
Tgt Ion:	240	Resp:	380903
Ion Ratio	Lower	Upper	
240	100		
120	18.5	10.8	16.2#
236	26.6	21.6	32.4





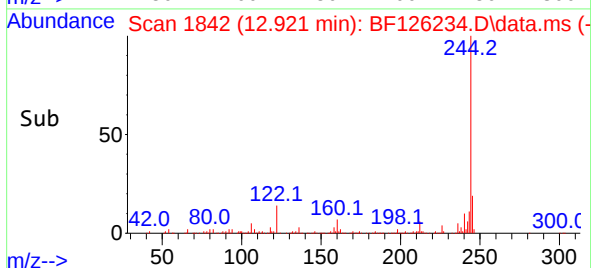
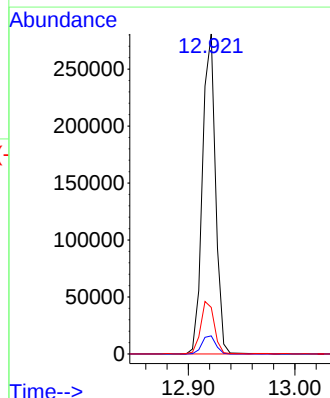
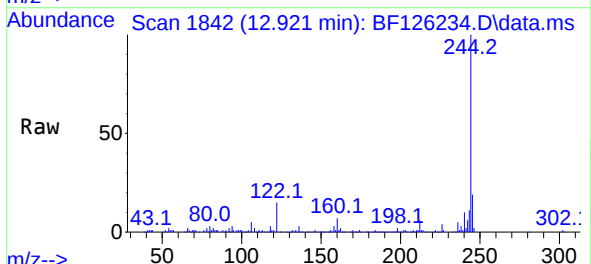
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Pyrene
Concen: 2.917 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

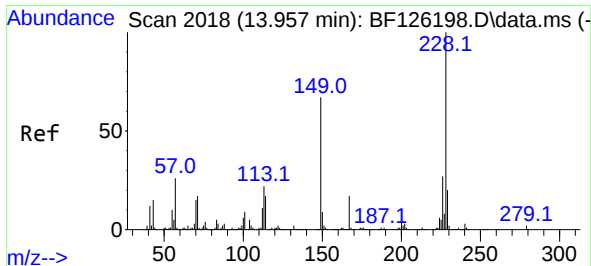
Tgt Ion:	202	Resp:	102092
Ion Ratio	Lower	Upper	
202	100		
200	18.6	15.3	22.9
203	17.2	13.4	20.0



#79
Terphenyl-d14
Concen: 10.969 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

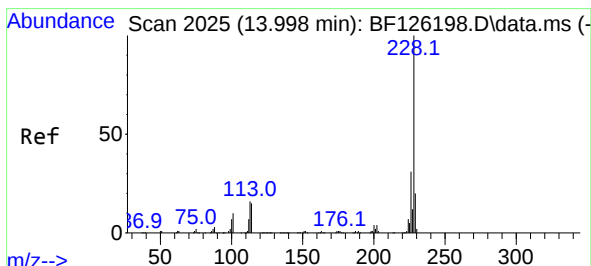
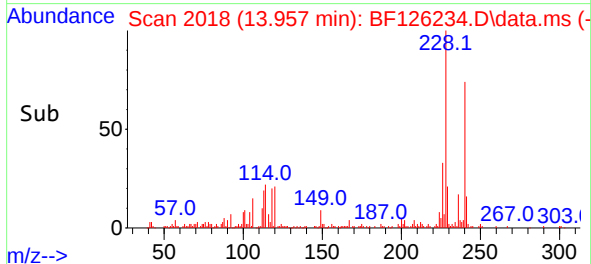
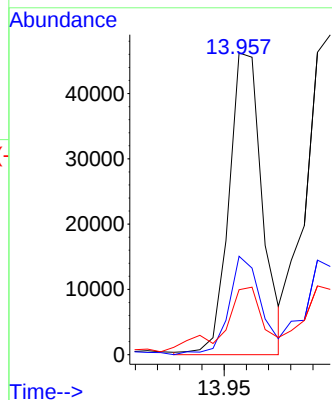
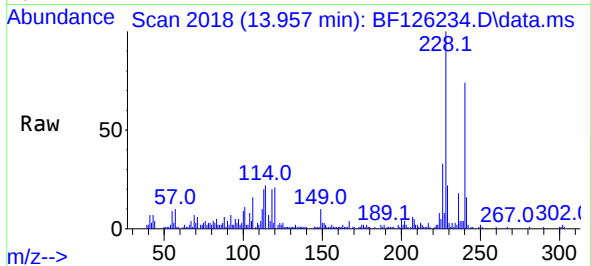
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Ion Ratio	Lower	Upper	
244	100		
212	5.6	5.9	8.9#
122	14.6	9.0	13.4#





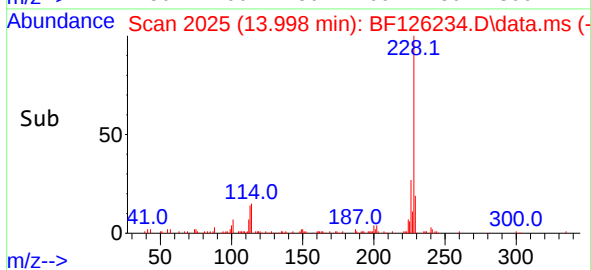
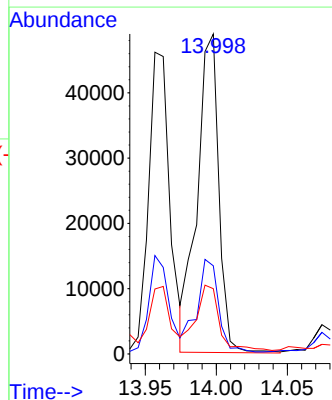
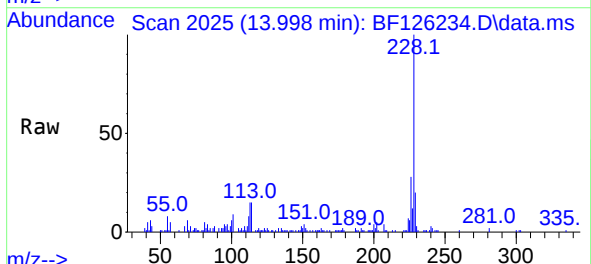
#81
Benzo(a)anthracene
Concen: 2.146 ng m
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

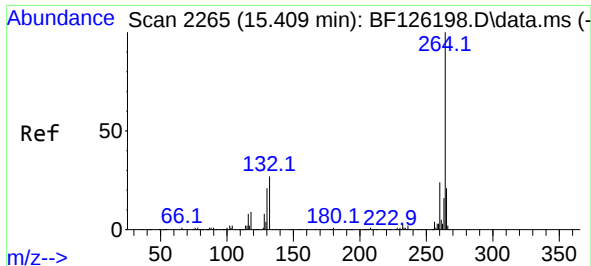
Tgt Ion:228 Resp: 48409
Ion Ratio Lower Upper
228 100
226 32.6 21.6 32.4#
229 21.5 15.6 23.4



#83
Chrysene
Concen: 2.207 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:228 Resp: 51741
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 20.4 15.9 23.9

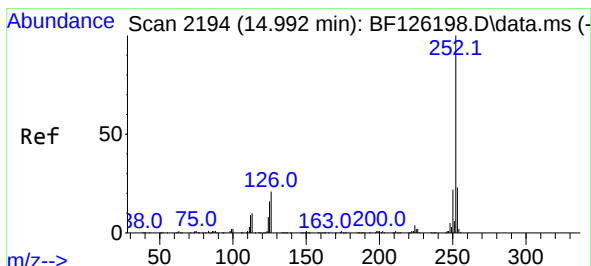
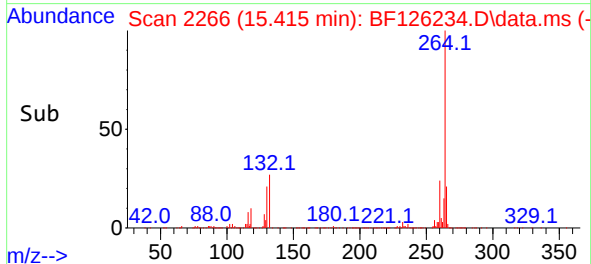
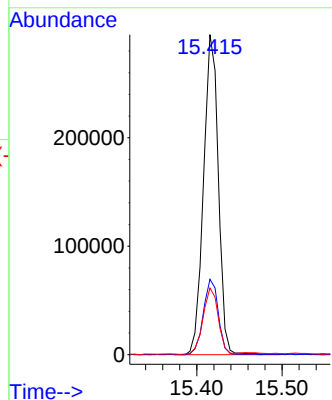
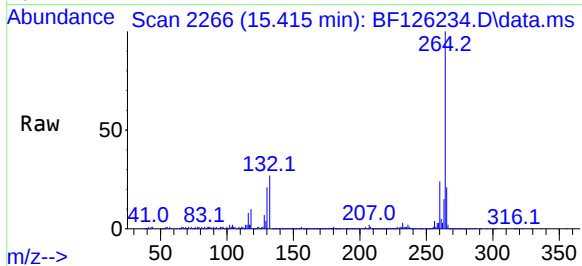




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion: 264 Resp: 356396

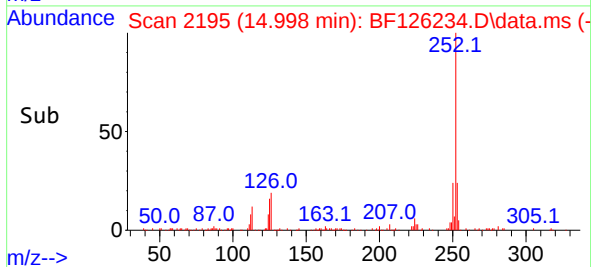
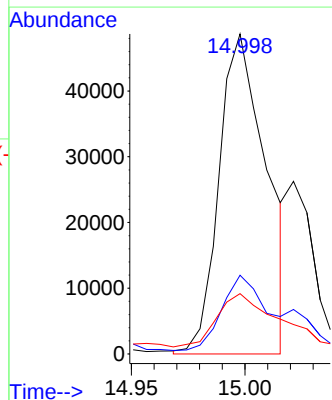
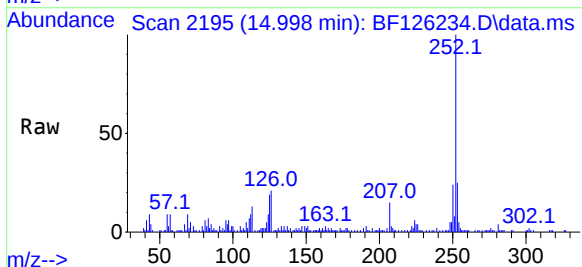
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	20.9	17.2	25.8

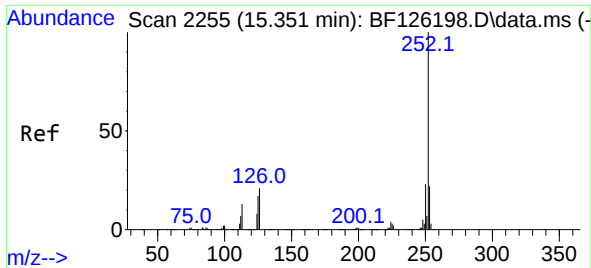


#88
Benzo(b)fluoranthene
Concen: 3.297 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion: 252 Resp: 70612

Ion	Ratio	Lower	Upper
252	100		
253	24.6	16.8	25.2
125	18.8	9.8	14.8





#90
Benzo(a)pyrene
Concen: 2.617 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF126234.D
Acq: 17 Dec 2021 14:35

Tgt Ion:252	Resp:	46571
Ion Ratio	Lower	Upper
252	100	
253	20.0	18.4 27.6
125	20.7	9.9 14.9#

