

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126232.D
 Acq On : 17 Dec 2021 13:29
 Operator : JU/CG
 Sample : M5083-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 13:55:25 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

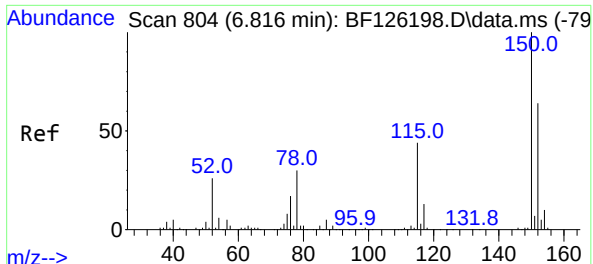
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	210472	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	878124	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	378745	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	475197	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	285593	20.000	ng	0.01
86) Perylene-d12	15.427	264	313316	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1795920	125.659	ng	0.02
7) Phenol-d6	6.445	99	2334084	128.619	ng	0.00
23) Nitrobenzene-d5	7.381	82	1530291	94.382	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	369355	121.348	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1860534	86.157	ng	0.00
79) Terphenyl-d14	12.927	244	1185318	72.138	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	395795	9.638	ng	97
37) 2-Methylnaphthalene	8.810	142	207436	8.202	ng	96
38) 1-Methylnaphthalene	8.910	142	124502	5.073	ng	94
46) 1,1'-Biphenyl	9.275	154	66040	2.358	ng	94
49) Acenaphthylene	9.710	152	106422	3.305	ng	# 96
52) Acenaphthene	9.886	154	386423	18.507	ng	99
55) Dibenzofuran	10.057	168	302985	10.658	ng	96
58) Fluorene	10.398	166	325416	15.812	ng	99
71) Phenanthrene	11.363	178	1057054	43.099	ng	98
72) Anthracene	11.410	178	218675	8.883	ng	98
73) Carbazole	11.563	167	124612	5.375	ng	99
75) Fluoranthene	12.557	202	1903717	86.150	ng	92
78) Pyrene	12.786	202	2140990	81.599	ng	95
81) Benzo(a)anthracene	13.968	228	898822	53.131	ng	96
83) Chrysene	14.004	228	1266442	72.052	ng	94
84) Bis(2-ethylhexyl)phtha...	13.962	149	69967	5.071	ng	98
87) Indeno(1,2,3-cd)pyrene	16.845	276	287732	13.768	ng	98
88) Benzo(b)fluoranthene	15.015	252	1533148m	81.439	ng	
89) Benzo(k)fluoranthene	15.039	252	561056m	31.154	ng	
90) Benzo(a)pyrene	15.362	252	628640	40.178	ng	# 95
91) Dibenzo(a,h)anthracene	16.856	278	79925	4.705	ng	# 91
92) Benzo(g,h,i)perylene	17.274	276	204775	11.650	ng	93

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

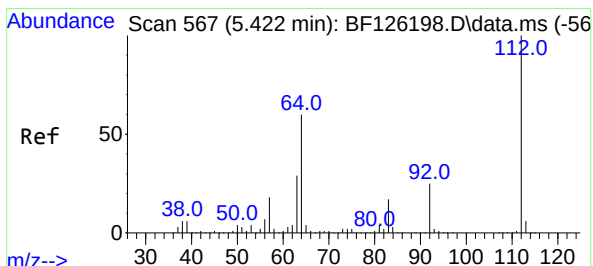
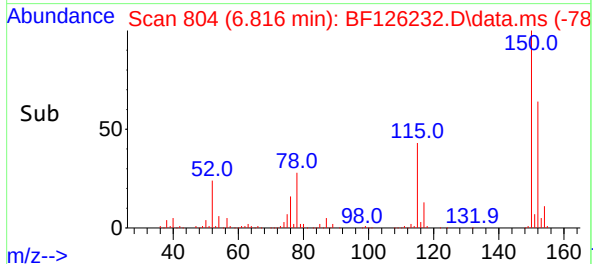
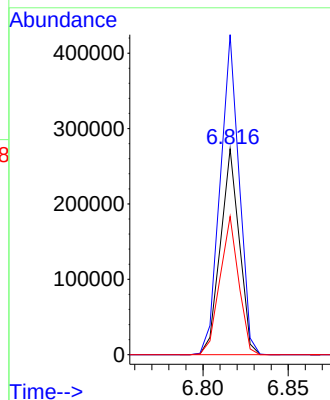
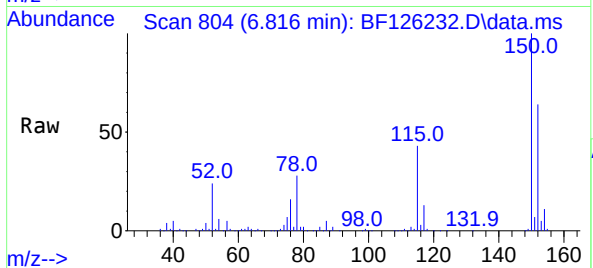
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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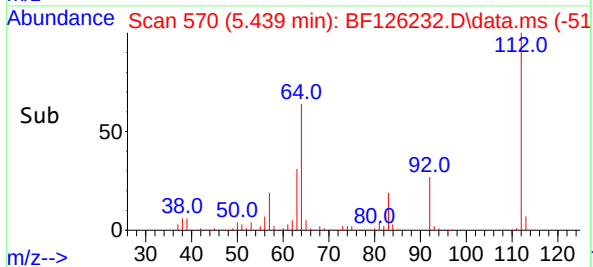
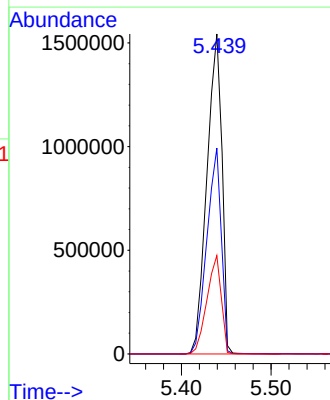
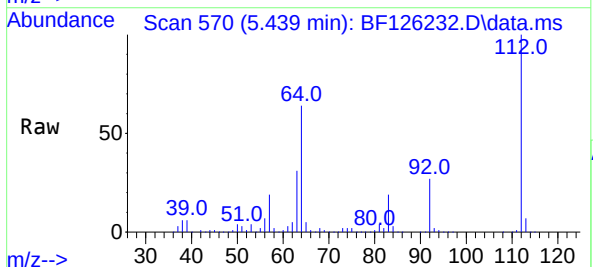
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

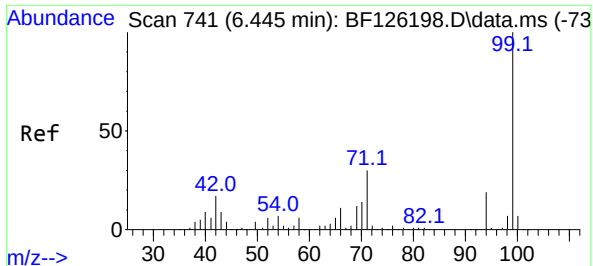
Tgt Ion:152 Resp: 210472
Ion Ratio Lower Upper
152 100
150 155.4 117.6 176.4
115 67.1 47.1 70.7



#5
2-Fluorophenol
Concen: 125.659 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.018 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:112 Resp: 1795920
Ion Ratio Lower Upper
112 100
64 64.4 44.2 66.2
63 30.8 26.2 39.2

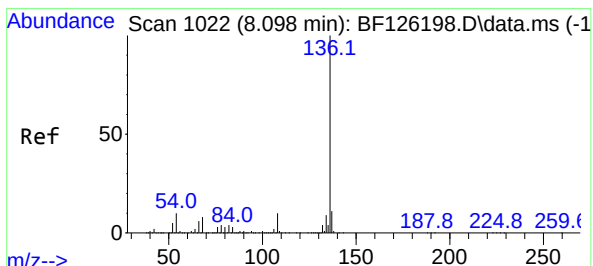
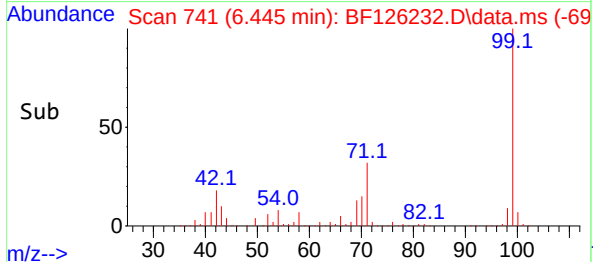
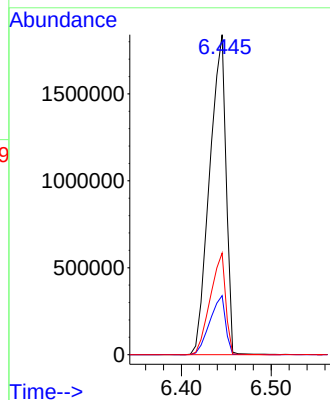
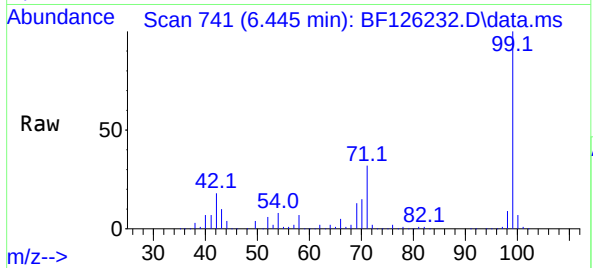




#7
Phenol-d6
Concen: 128.619 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 99 Resp: 2334084

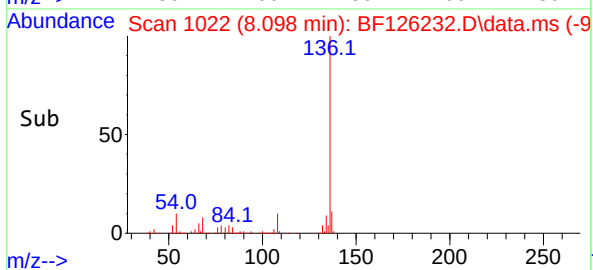
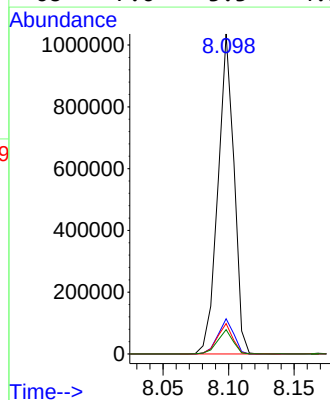
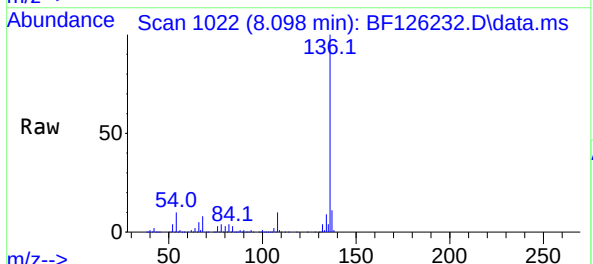
Ion	Ratio	Lower	Upper
99	100		
42	18.4	23.5	35.3#
71	31.8	25.6	38.4

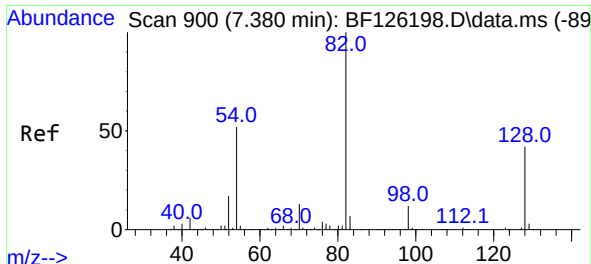


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 136 Resp: 878124

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	9.5	6.4	9.6
68	7.6	3.3	4.9#

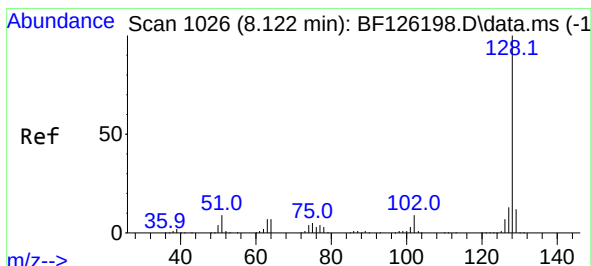
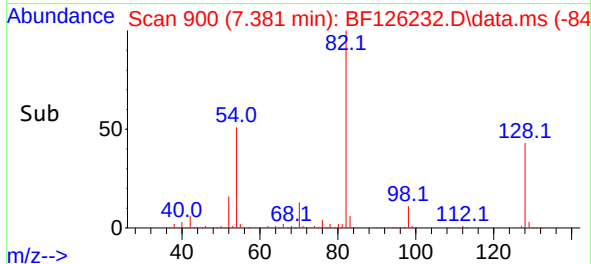
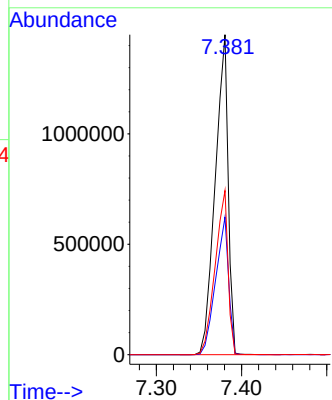
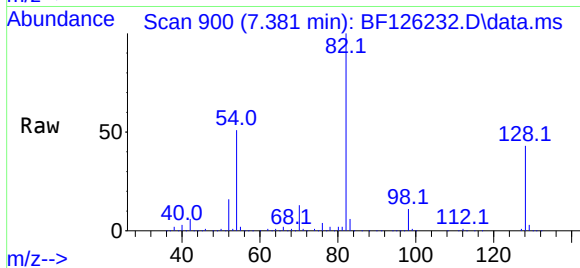




#23
Nitrobenzene-d5
Concen: 94.382 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 82 Resp: 1530291

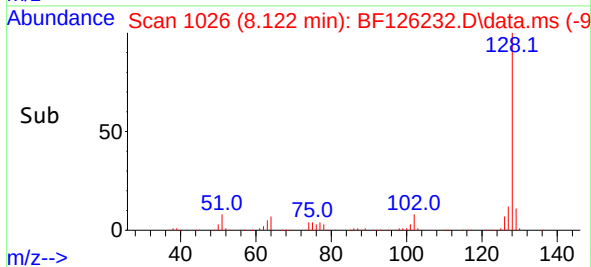
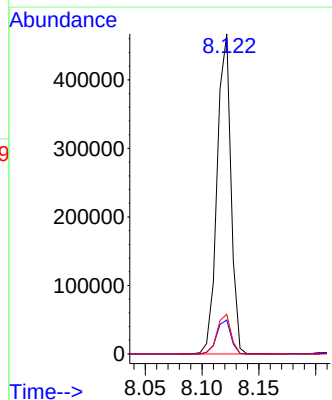
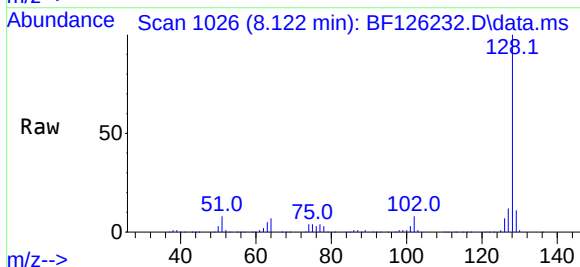
Ion	Ratio	Lower	Upper
82	100		
128	43.0	40.6	60.8
54	51.3	49.6	74.4

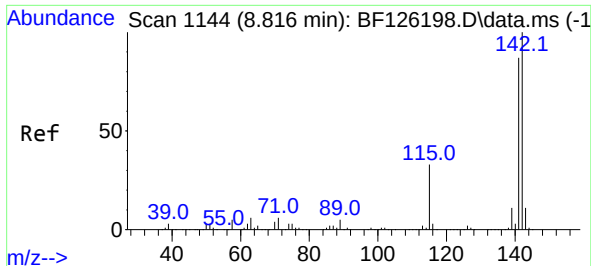


#31
Naphthalene
Concen: 9.638 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 128 Resp: 395795

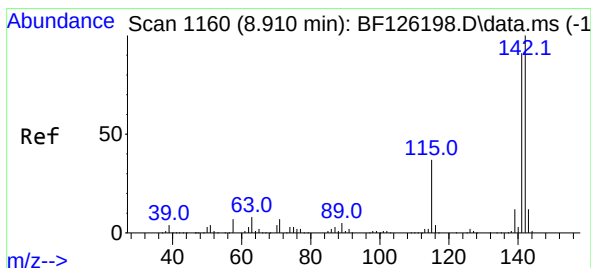
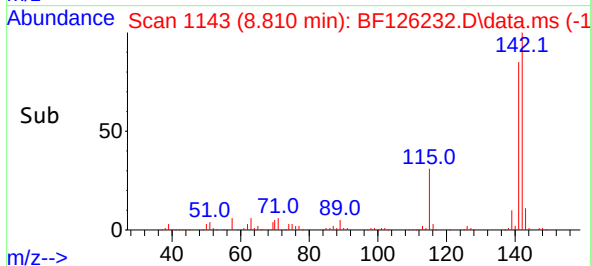
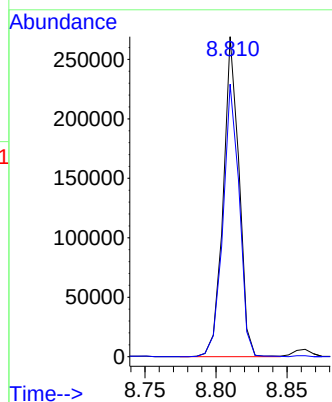
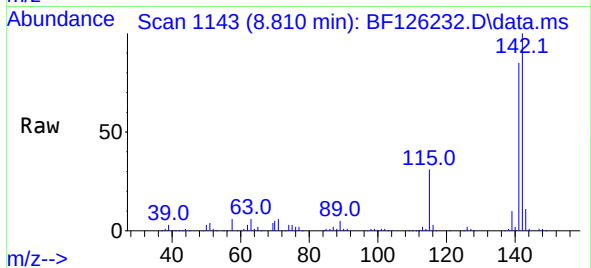
Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.0
127	12.4	10.9	16.3





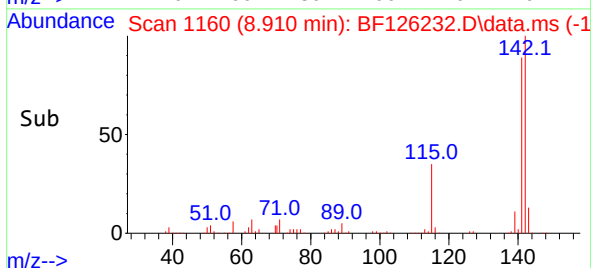
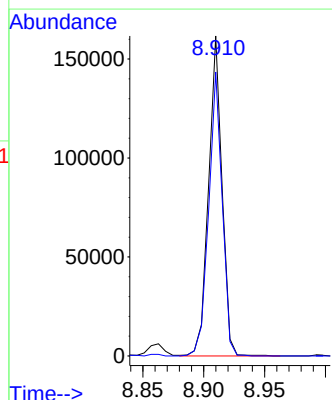
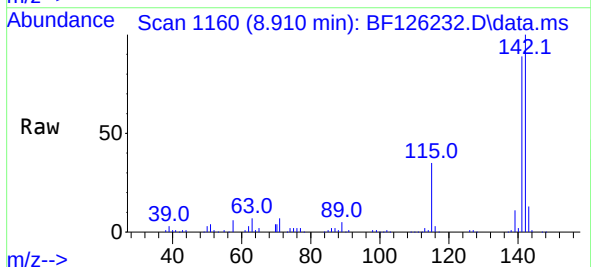
#37
2-Methylnaphthalene
Concen: 8.202 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

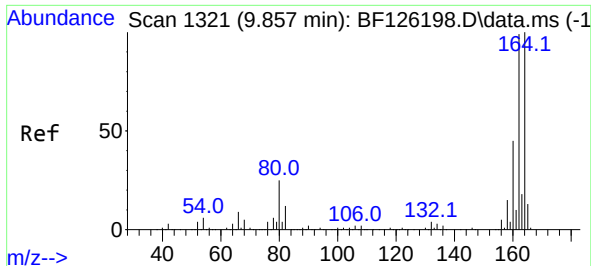
Tgt Ion:142 Resp: 207436
Ion Ratio Lower Upper
142 100
141 85.1 71.2 106.8



#38
1-Methylnaphthalene
Concen: 5.073 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

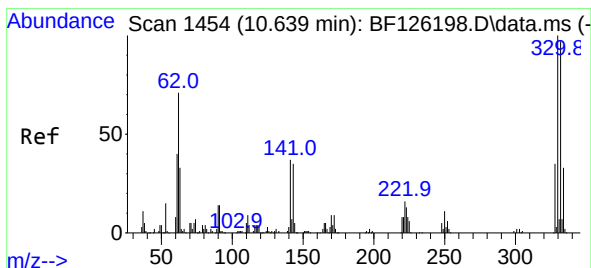
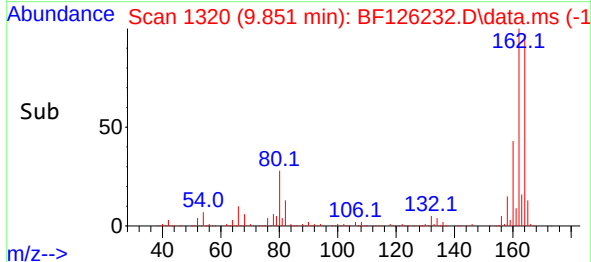
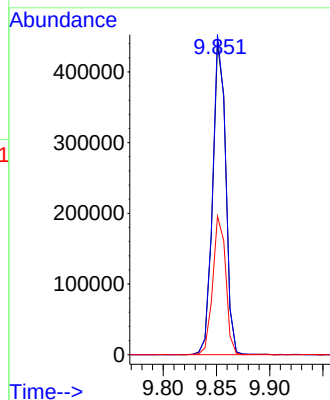
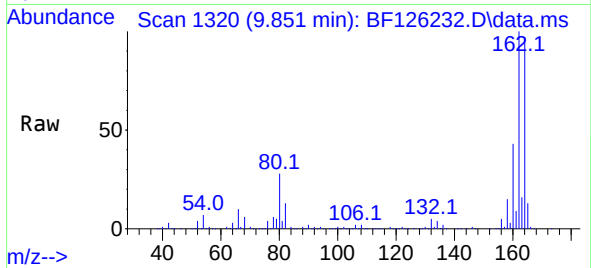
Tgt Ion:142 Resp: 124502
Ion Ratio Lower Upper
142 100
141 88.8 76.0 114.0





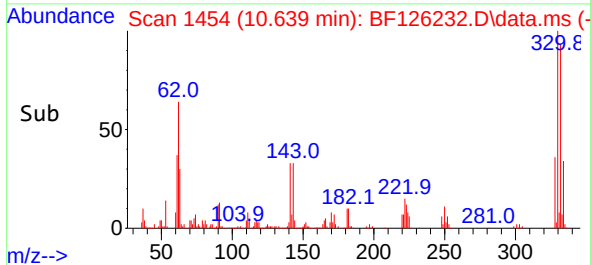
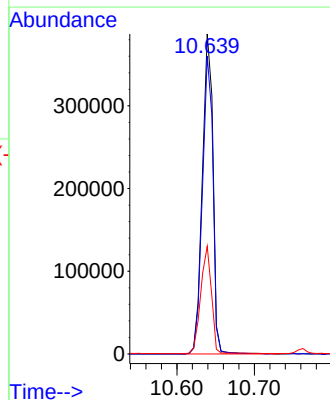
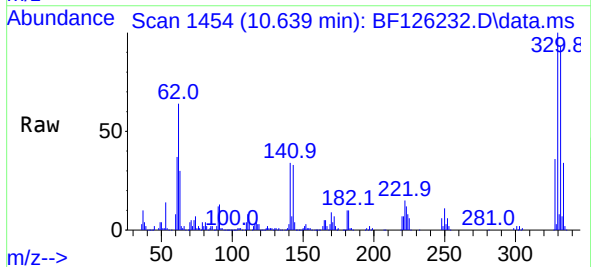
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

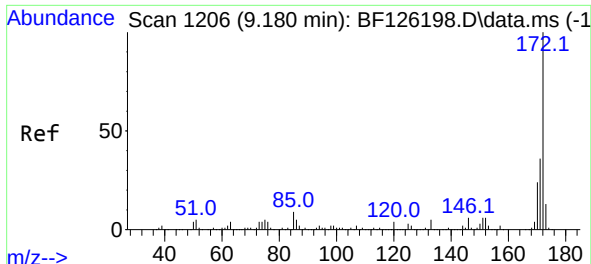
Tgt Ion:164 Resp: 378745
Ion Ratio Lower Upper
164 100
162 102.8 81.3 121.9
160 44.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 121.348 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

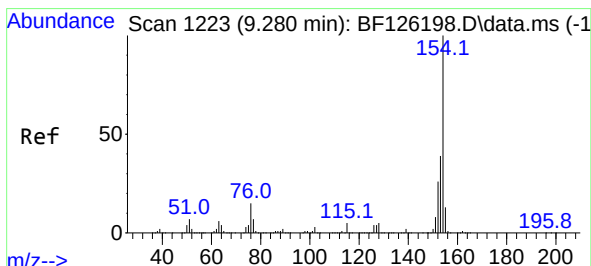
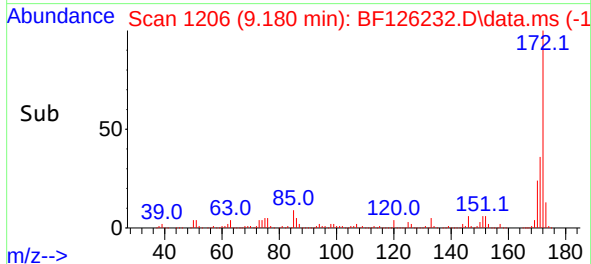
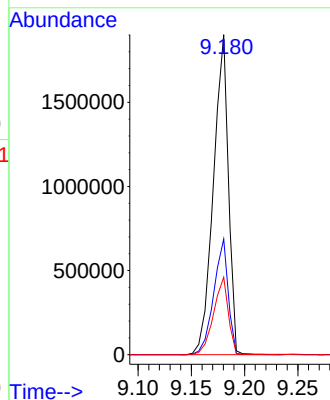
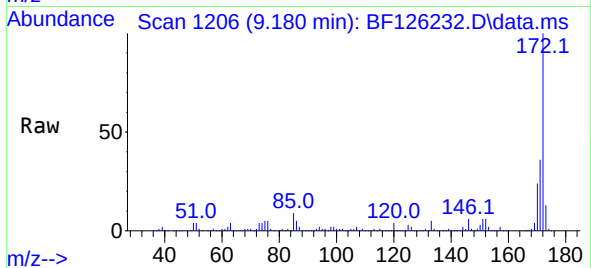
Tgt Ion:330 Resp: 369355
Ion Ratio Lower Upper
330 100
332 92.3 76.2 114.4
141 34.1 44.6 66.8#





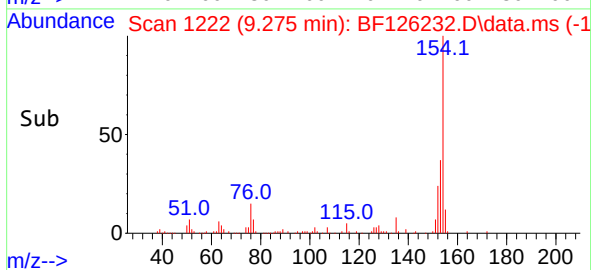
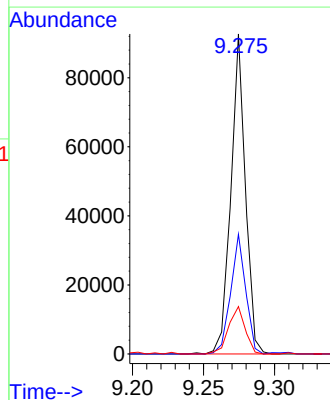
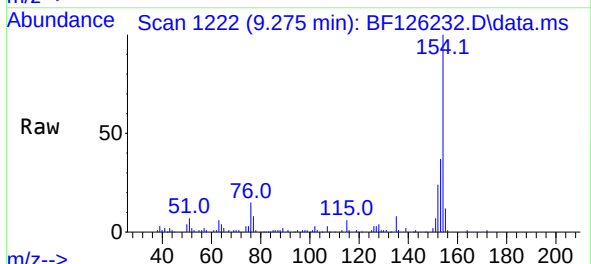
#45
2-Fluorobiphenyl
Concen: 86.157 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

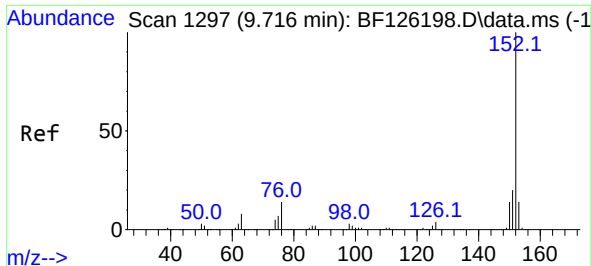
Tgt Ion:172 Resp: 1860534
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 24.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 2.358 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

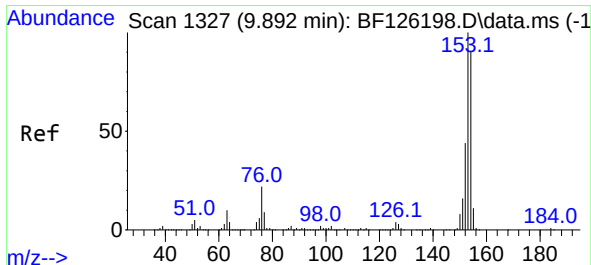
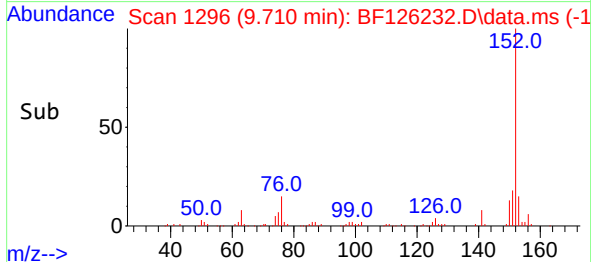
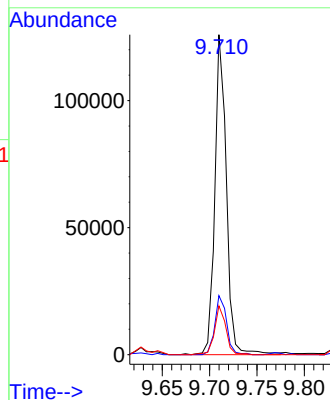
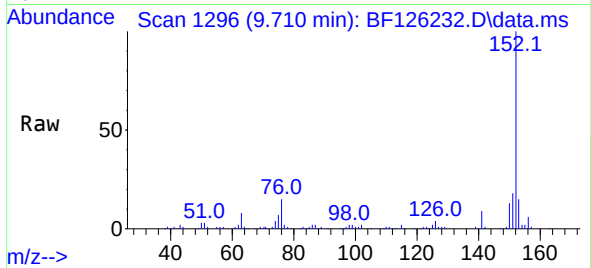
Tgt Ion:154 Resp: 66040
Ion Ratio Lower Upper
154 100
153 37.4 20.0 60.0
76 14.8 0.0 30.3





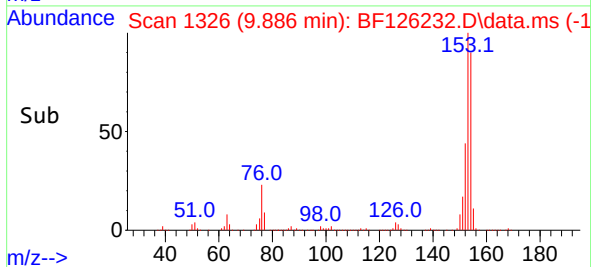
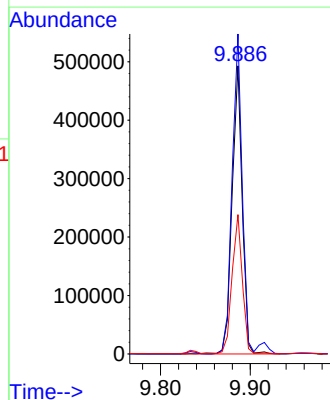
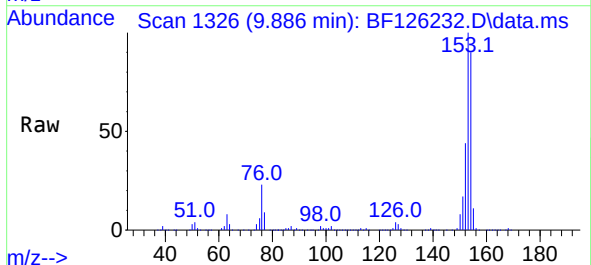
#49
Acenaphthylene
Concen: 3.305 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

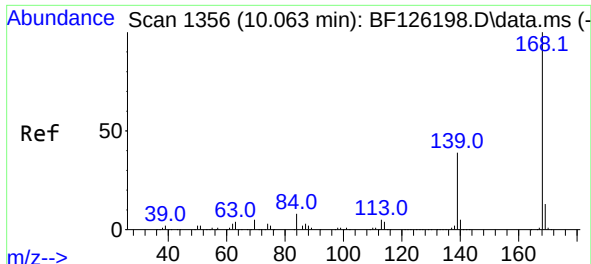
Tgt Ion:152 Resp: 106422
Ion Ratio Lower Upper
152 100
151 18.4 15.7 23.5
153 15.3 9.8 14.8#



#52
Acenaphthene
Concen: 18.507 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

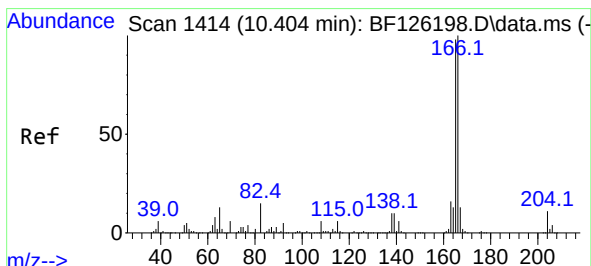
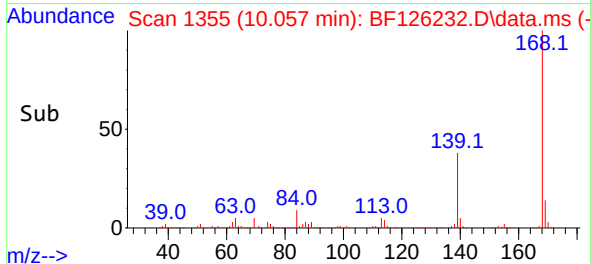
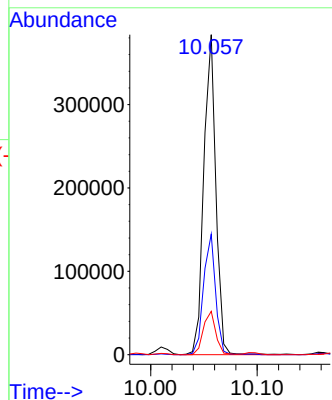
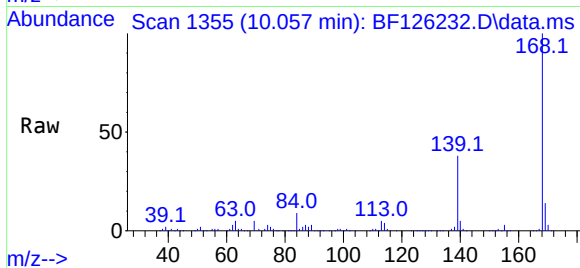
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Ion Ratio Lower Upper
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153 111.0 89.4 134.2
152 48.4 40.5 60.7





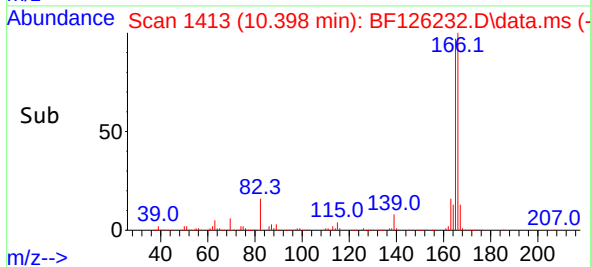
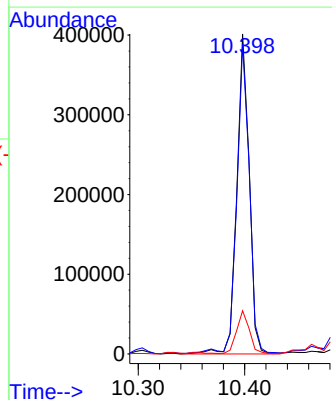
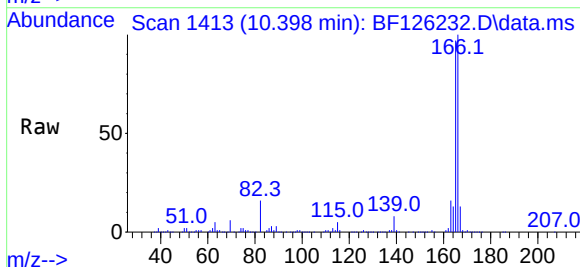
#55
Dibenzenofuran
Concen: 10.658 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

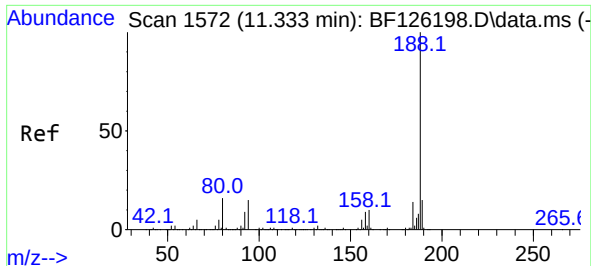
Tgt Ion:168 Resp: 302985
Ion Ratio Lower Upper
168 100
139 37.6 32.7 49.1
169 13.5 11.2 16.8



#58
Fluorene
Concen: 15.812 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

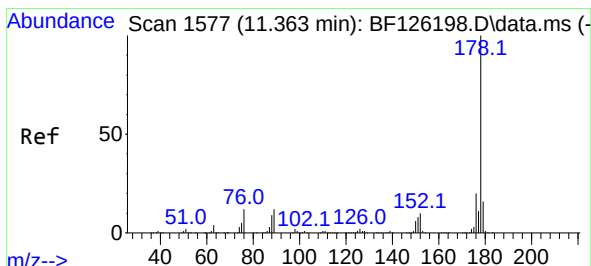
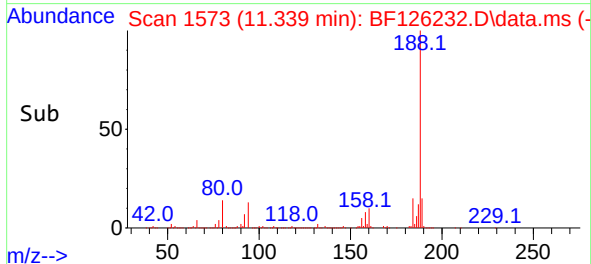
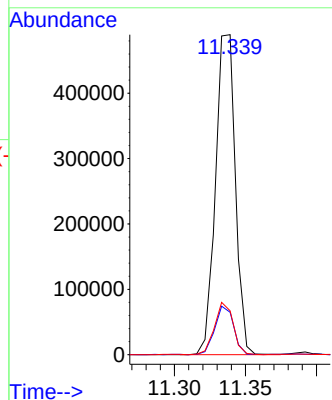
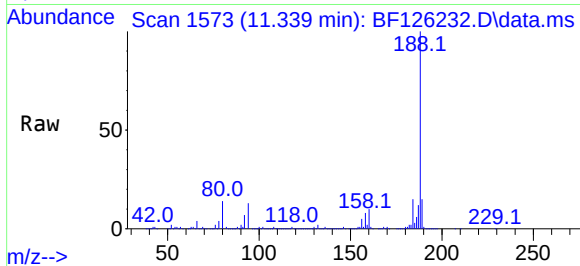
Tgt Ion:166 Resp: 325416
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 13.5 11.1 16.7





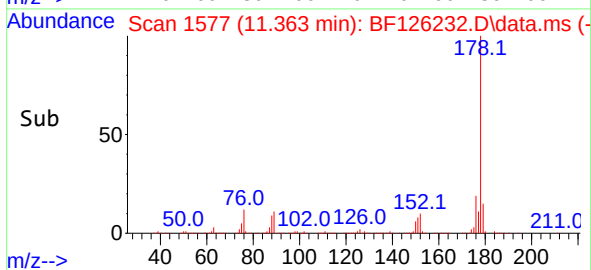
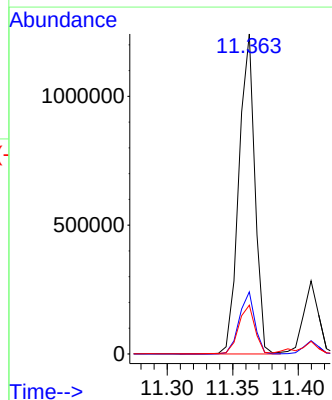
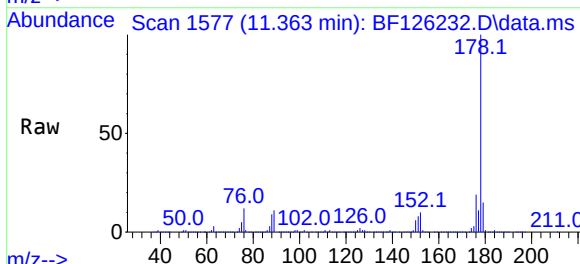
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

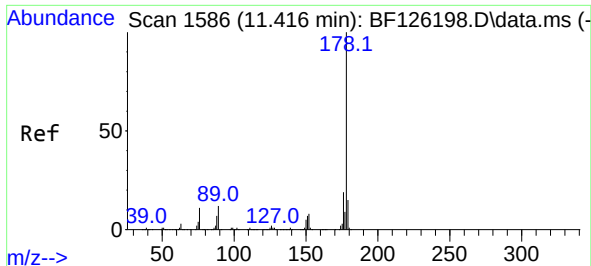
Tgt Ion:188 Resp: 475197
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 13.7 7.5 11.3#



#71
Phenanthrene
Concen: 43.099 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

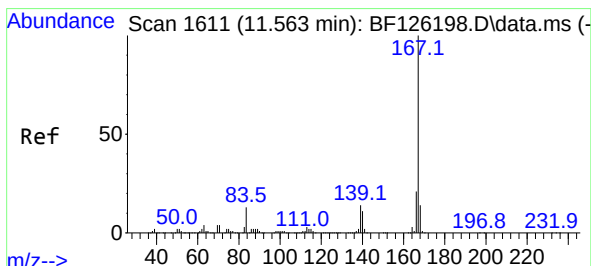
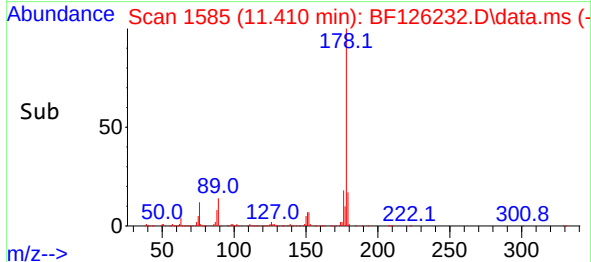
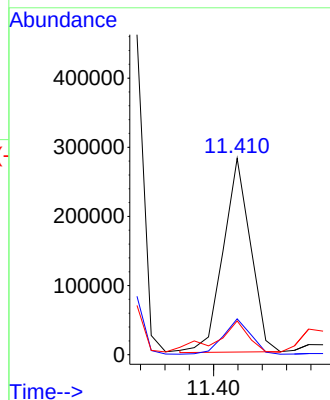
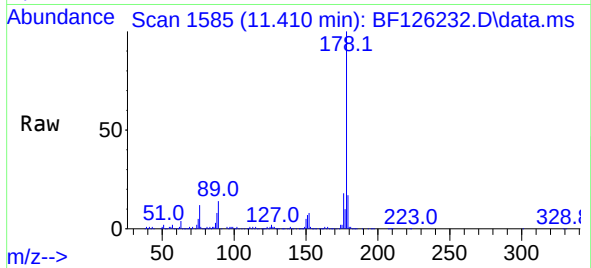
Tgt Ion:178 Resp: 1057054
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.2 11.5 17.3





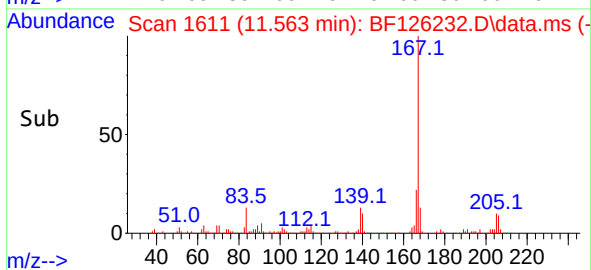
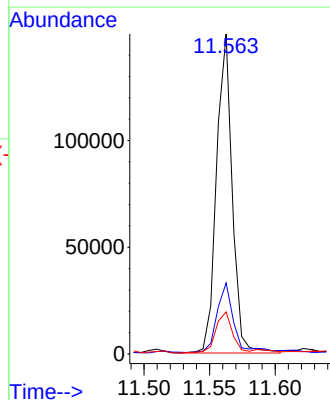
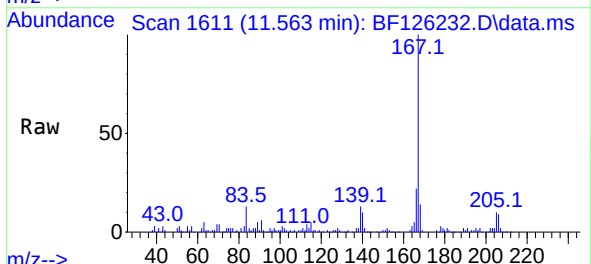
#72
 Anthracene
 Concen: 8.883 ng
 RT: 11.410 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF126232.D
 Acq: 17 Dec 2021 13:29

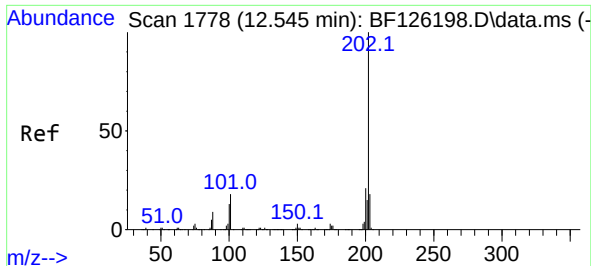
Tgt Ion:178 Resp: 218675
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.3 21.5
 179 17.2 12.2 18.4



#73
 Carbazole
 Concen: 5.375 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126232.D
 Acq: 17 Dec 2021 13:29

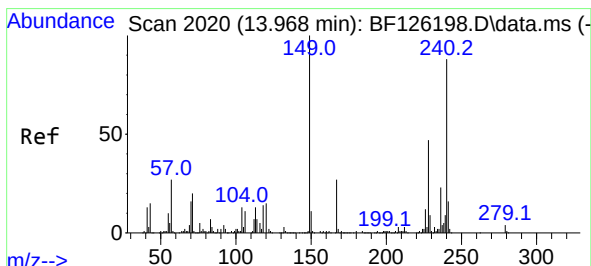
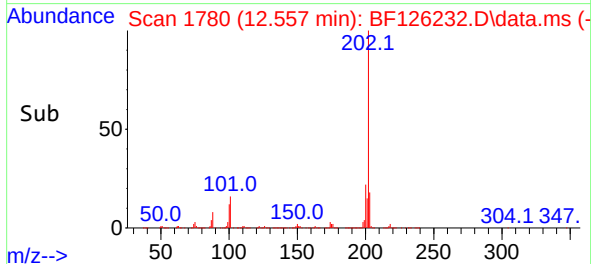
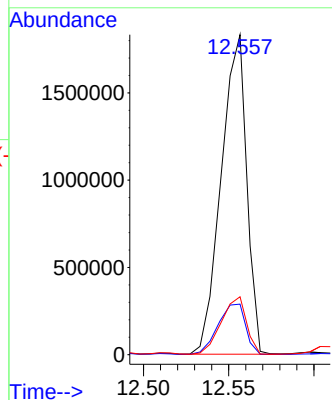
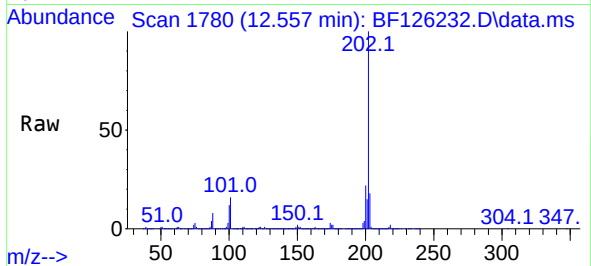
Tgt Ion:167 Resp: 124612
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.1 11.0 16.4





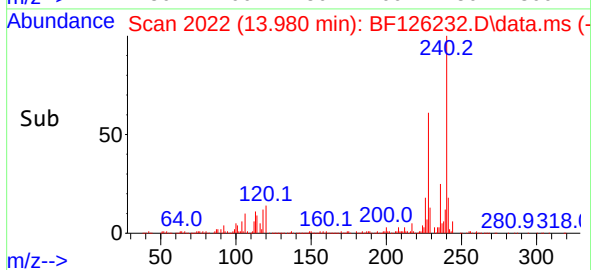
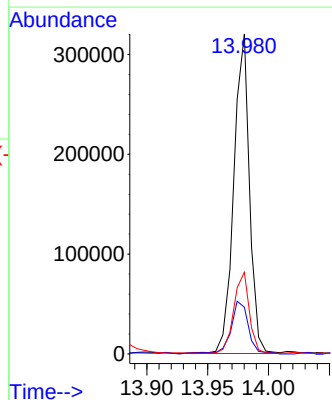
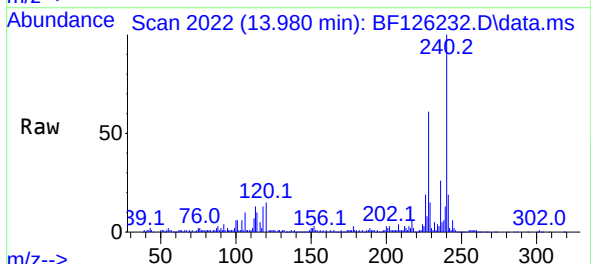
#75
Fluoranthene
Concen: 86.150 ng
RT: 12.557 min Scan# 1780
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

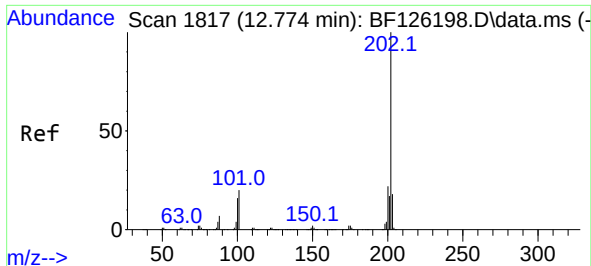
Tgt Ion:202 Resp: 1903717
Ion Ratio Lower Upper
202 100
101 15.8 0.0 30.7
203 18.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

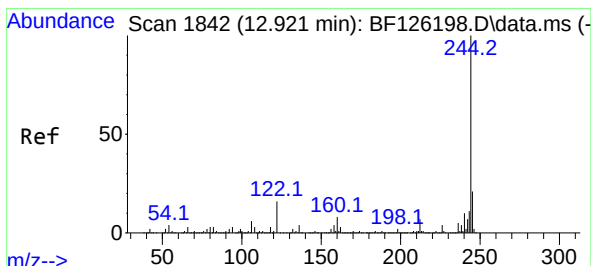
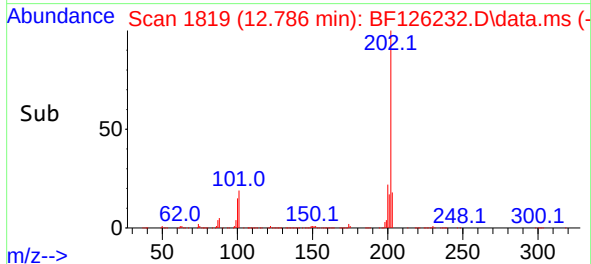
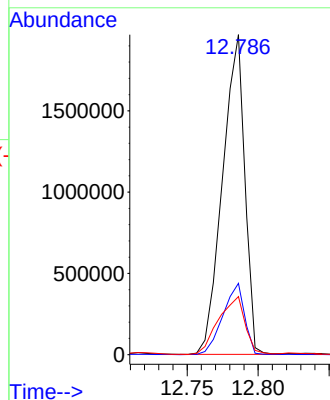
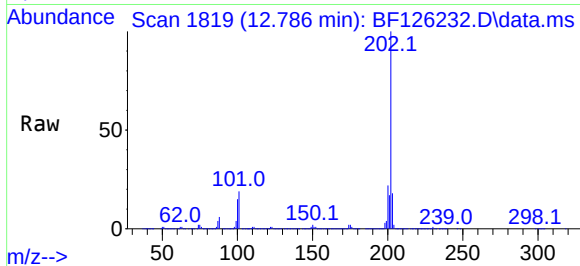
Tgt Ion:240 Resp: 285593
Ion Ratio Lower Upper
240 100
120 14.6 10.8 16.2
236 25.5 21.6 32.4





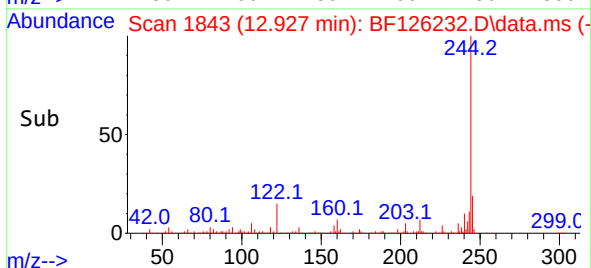
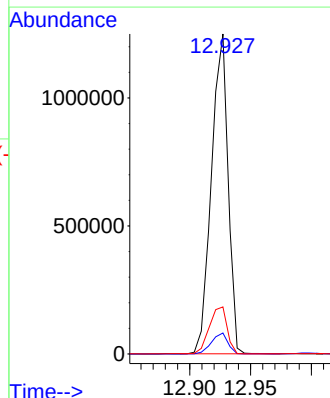
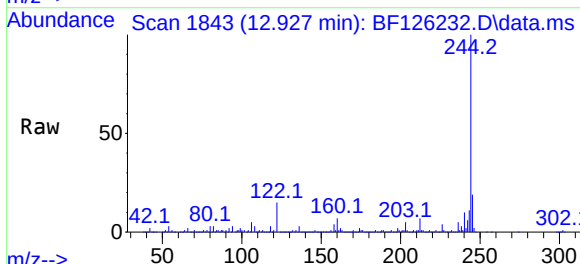
#78
Pyrene
Concen: 81.599 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

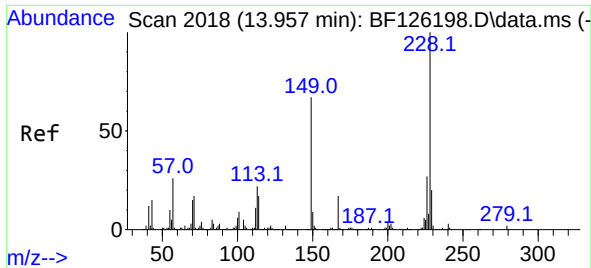
Tgt Ion:202 Resp: 2140990
Ion Ratio Lower Upper
202 100
200 22.3 15.3 22.9
203 18.2 13.4 20.0



#79
Terphenyl-d14
Concen: 72.138 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

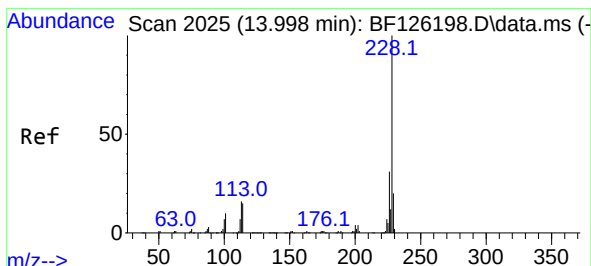
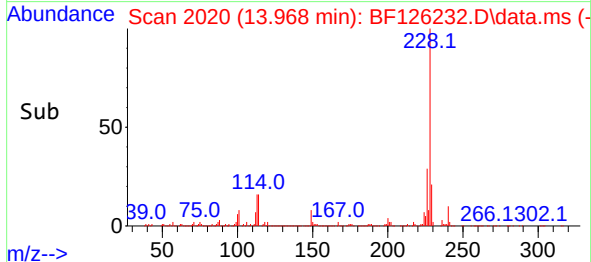
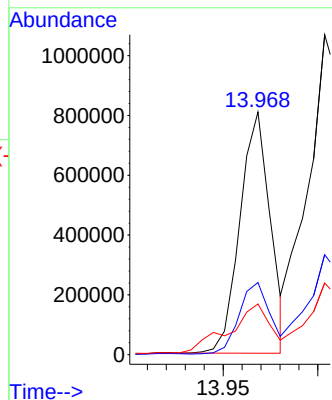
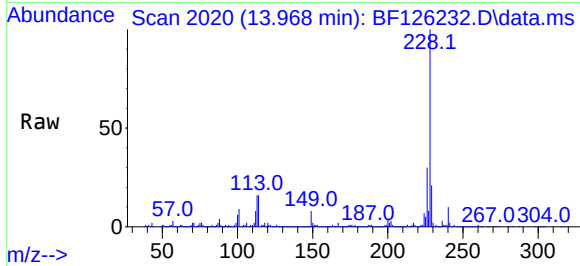
Tgt Ion:244 Resp: 1185318
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 14.7 9.0 13.4#





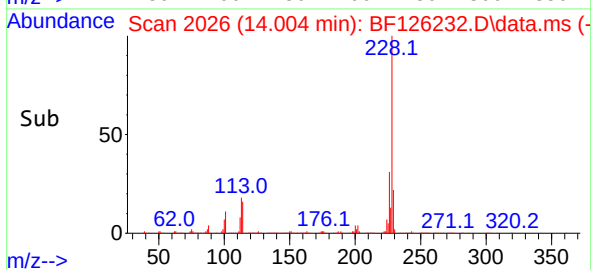
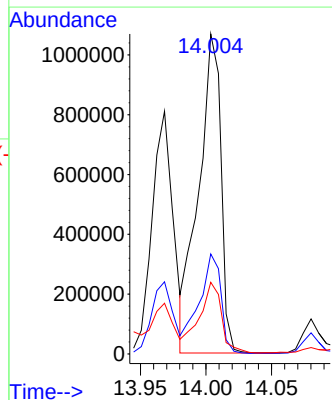
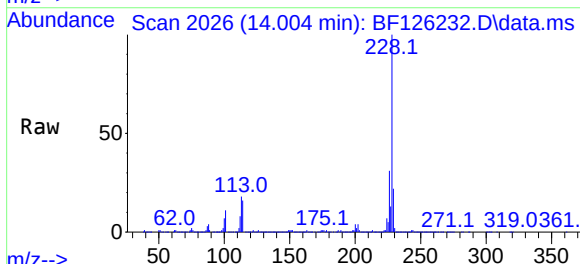
#81
Benzo(a)anthracene
Concen: 53.131 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

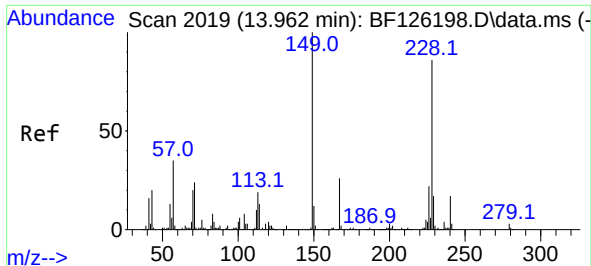
Tgt Ion:228 Resp: 898822
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.9 15.6 23.4



#83
Chrysene
Concen: 72.052 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

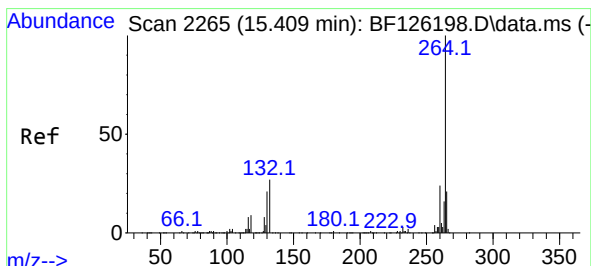
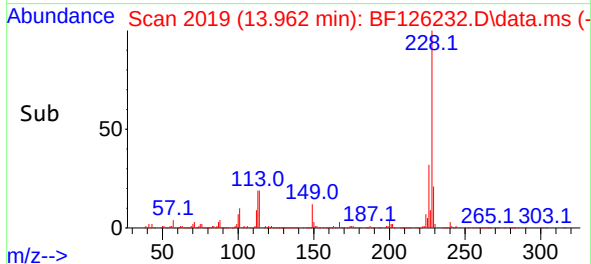
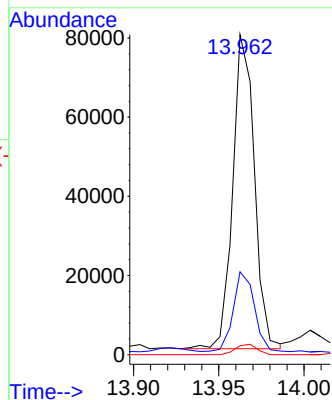
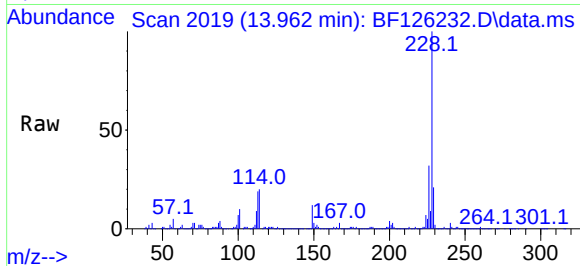
Tgt Ion:228 Resp: 1266442
Ion Ratio Lower Upper
228 100
226 31.2 22.6 34.0
229 22.4 15.9 23.9





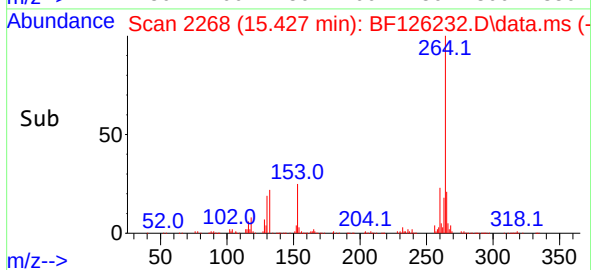
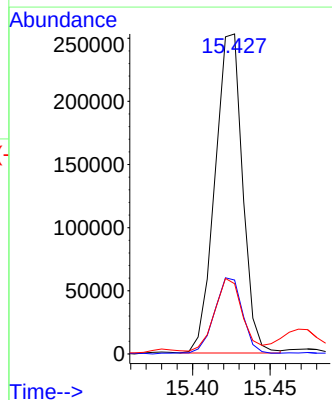
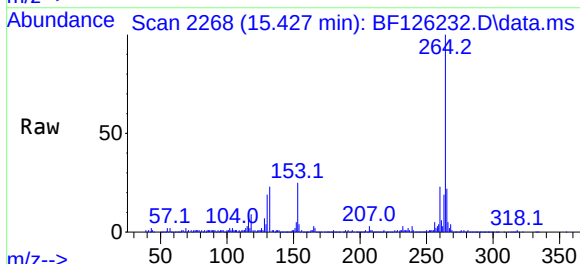
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.071 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

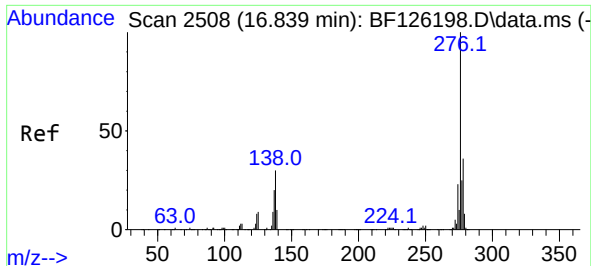
Tgt Ion:	149	Resp:	69967
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.4	32.0
279	2.8	2.6	4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

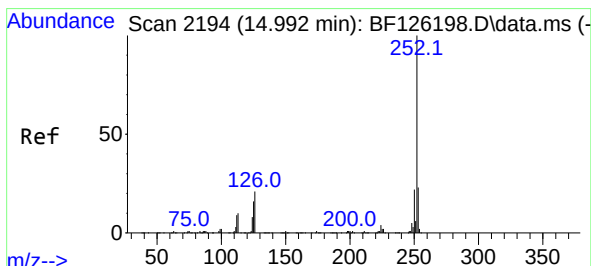
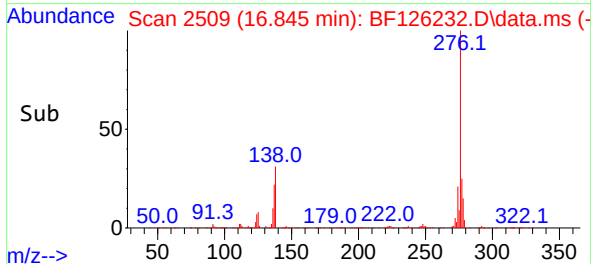
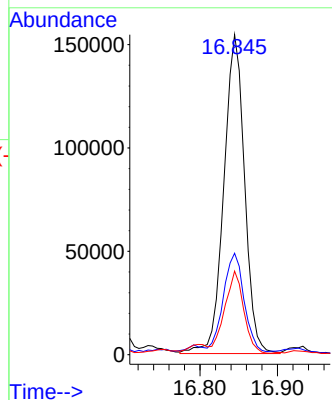
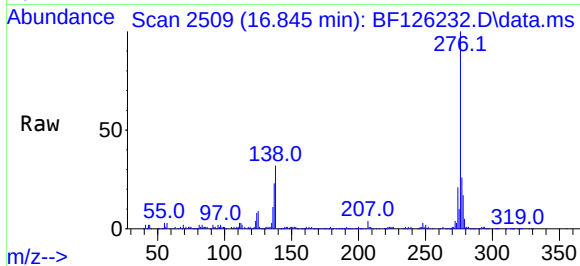
Tgt Ion:	264	Resp:	313316
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.6	29.4
265	22.0	17.2	25.8





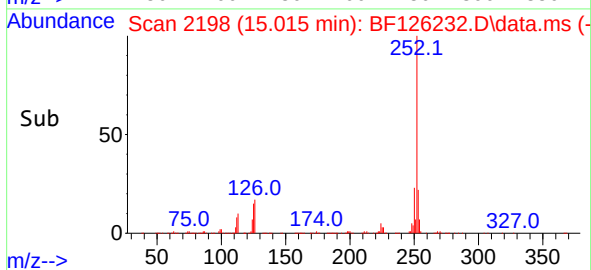
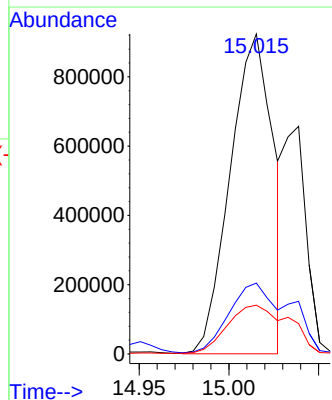
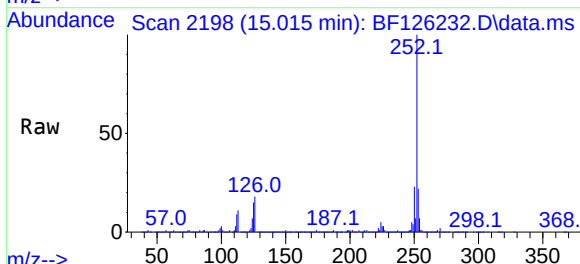
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.768 ng
RT: 16.845 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

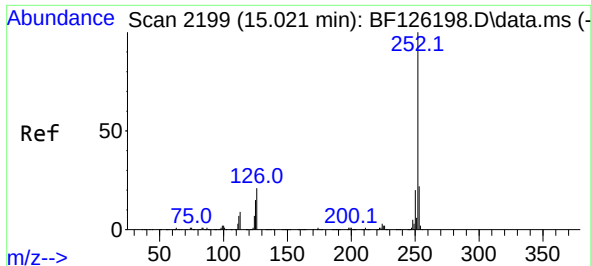
Tgt Ion:276 Resp: 287732
Ion Ratio Lower Upper
276 100
138 31.5 24.1 36.1
277 24.0 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 81.439 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.024 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

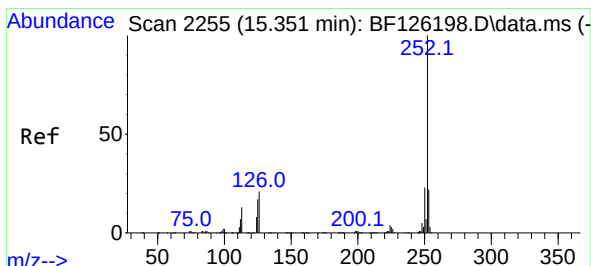
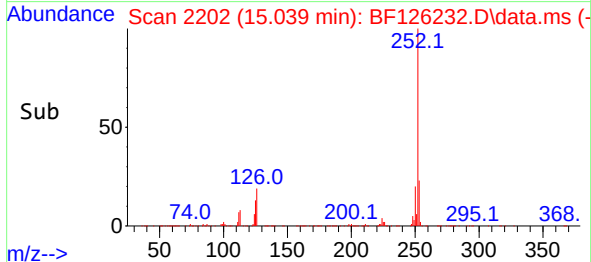
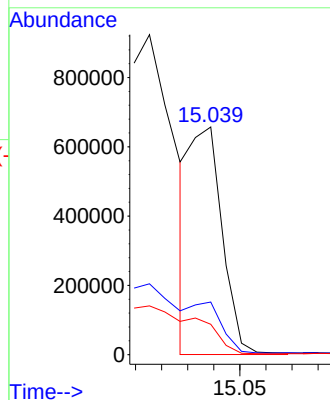
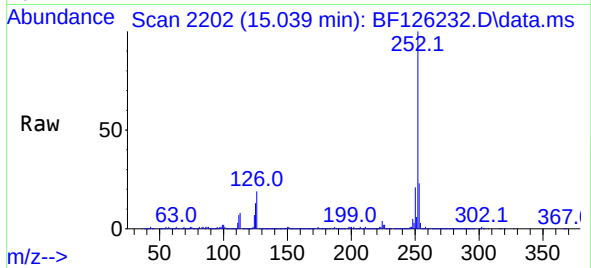
Tgt Ion:252 Resp: 1533148
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 15.2 9.8 14.8#





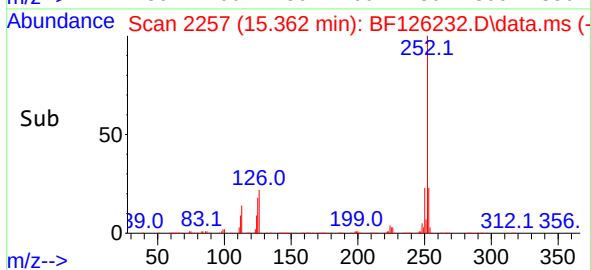
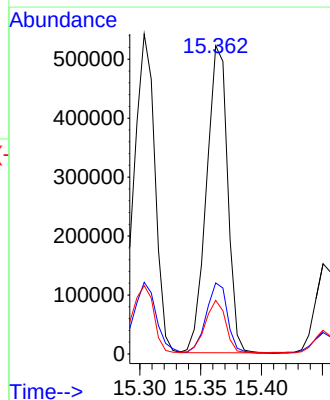
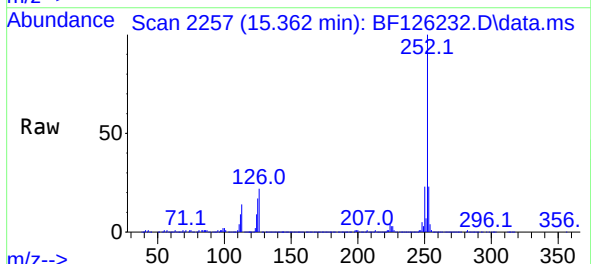
#89
Benzo(k)fluoranthene
Concen: 31.154 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.018 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

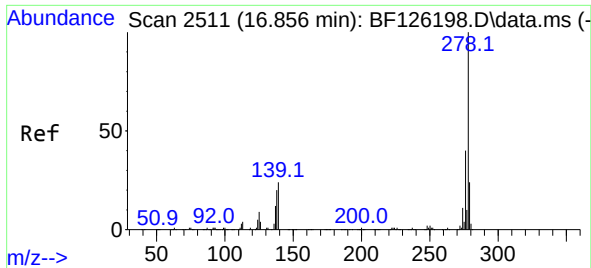
Tgt Ion:252 Resp: 561056
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 13.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 40.178 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

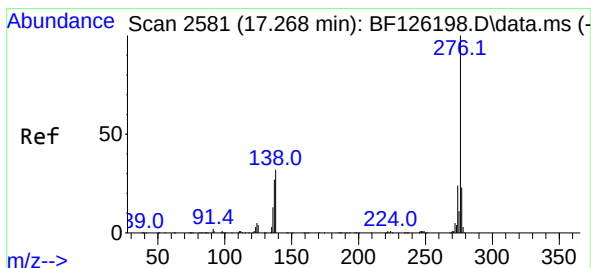
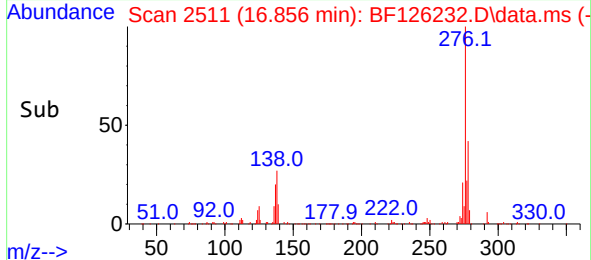
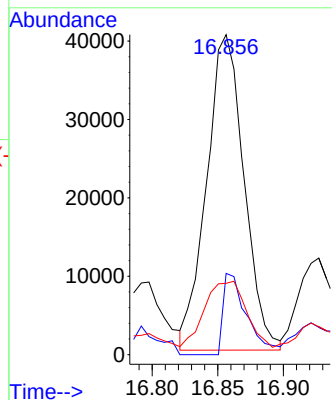
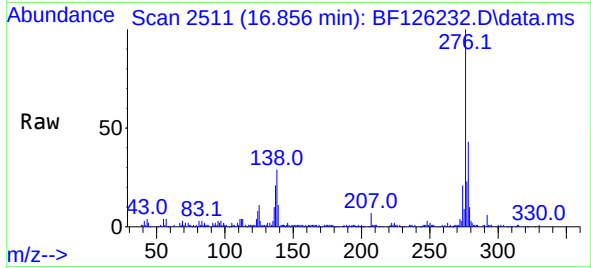
Tgt Ion:252 Resp: 628640
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 17.4 9.9 14.9#





#91
Dibenzo(a,h)anthracene
Concen: 4.705 ng
RT: 16.856 min Scan# 2511
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:278 Resp: 79925
Ion Ratio Lower Upper
278 100
139 25.4 14.9 22.3#
279 22.3 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 11.650 ng
RT: 17.274 min Scan# 2582
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:276 Resp: 204775
Ion Ratio Lower Upper
276 100
277 24.7 22.0 33.0
138 32.7 22.2 33.4

