

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134776.D
 Acq On : 15 Aug 2023 09:47
 Operator : CG\JU
 Sample : 03958-03 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 16 03:08:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

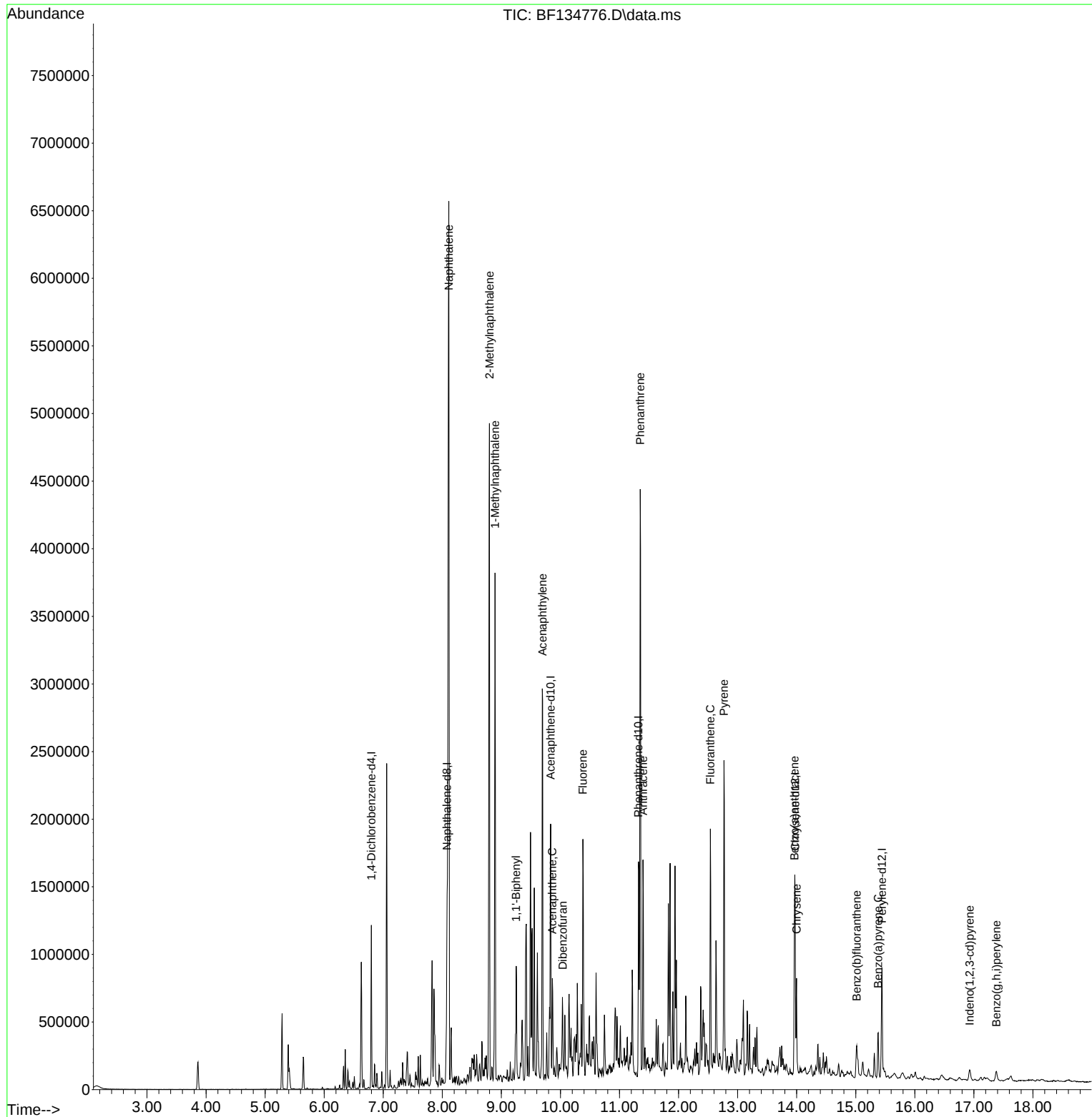
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	160626	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	646421	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	351042	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	657941	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	405479	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	385322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	14137	1.338	ng	0.00
7) Phenol-d6	6.428	99	19041	1.410	ng	-0.01
23) Nitrobenzene-d5	7.351	82	12891	1.246	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	5725	1.600	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	31158	1.476	ng	-0.01
79) Terphenyl-d14	12.915	244	37137	1.615	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	3876647	119.326	ng	97
37) 2-Methylnaphthalene	8.798	142	1432653	66.529	ng	98
38) 1-Methylnaphthalene	8.892	142	956018	47.742	ng	97
46) 1,1'-Biphenyl	9.251	154	250625	9.181	ng	98
49) Acenaphthylene	9.698	152	1097180	34.125	ng	99
52) Acenaphthene	9.863	154	134732	6.466	ng	99
55) Dibenzofuran	10.039	168	74916	2.526	ng	# 84
58) Fluorene	10.380	166	517464	23.951	ng	95
71) Phenanthrene	11.351	178	1859715	53.215	ng	100
72) Anthracene	11.398	178	592364	16.594	ng	99
75) Fluoranthene	12.539	202	684807	18.551	ng	96
78) Pyrene	12.768	202	985980	28.101	ng	98
81) Benzo(a)anthracene	13.962	228	308213m	10.630	ng	
83) Chrysene	13.998	228	247976	8.779	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	57722m	2.547	ng	
88) Benzo(b)fluoranthene	15.015	252	155527m	6.618	ng	
90) Benzo(a)pyrene	15.380	252	171182	7.812	ng	# 95
92) Benzo(g,h,i)perylene	17.380	276	61346	3.284	ng	# 89

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

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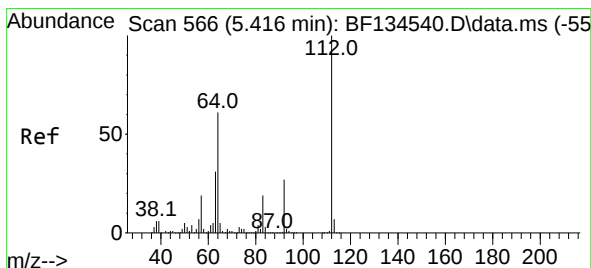
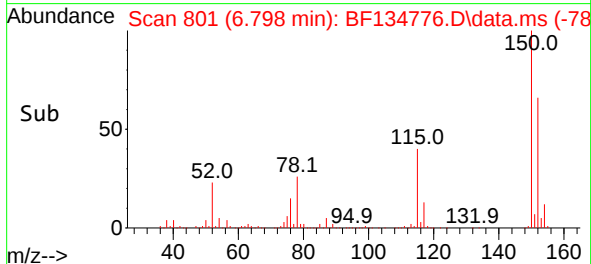
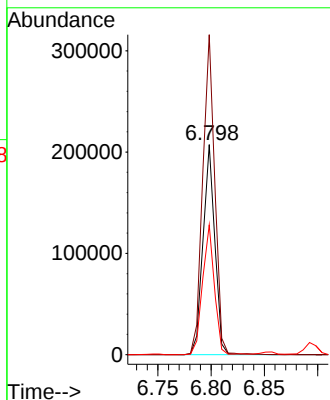
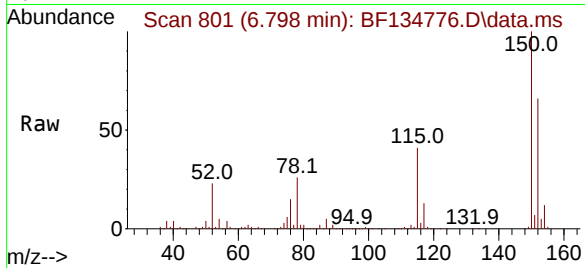
Quant Time: Aug 16 03:08:34 2023
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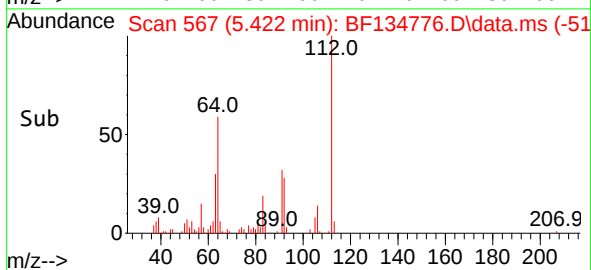
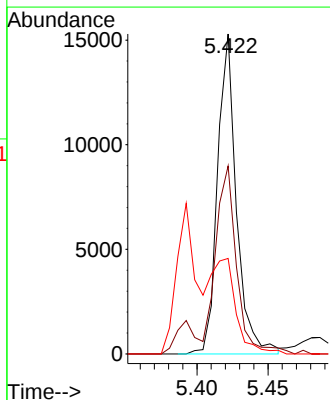
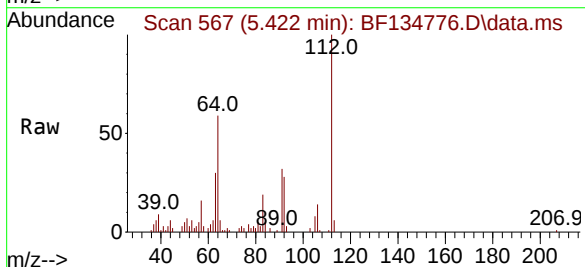
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:152 Resp: 160626
Ion Ratio Lower Upper
152 100
150 152.3 128.3 192.5
115 61.7 52.4 78.6



#5
2-Fluorophenol
Concen: 1.338 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

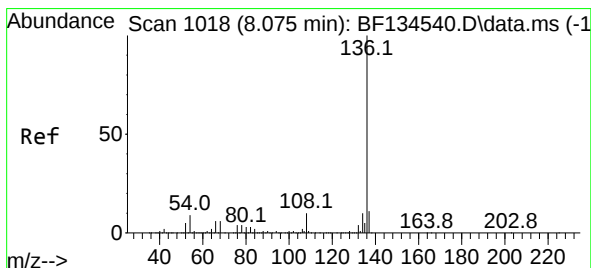
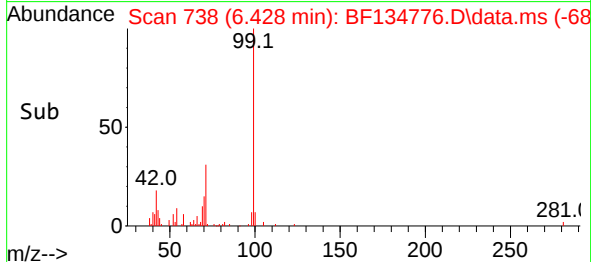
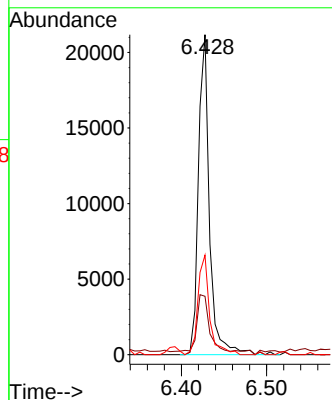
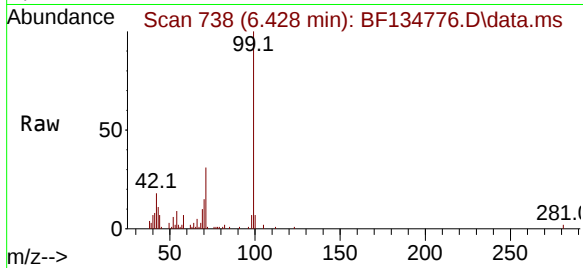
Tgt Ion:112 Resp: 14137
Ion Ratio Lower Upper
112 100
64 58.8 44.9 67.3
63 29.9 25.4 38.0





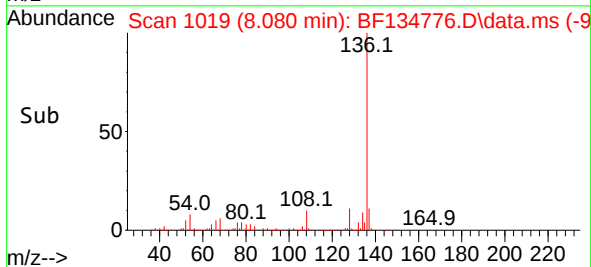
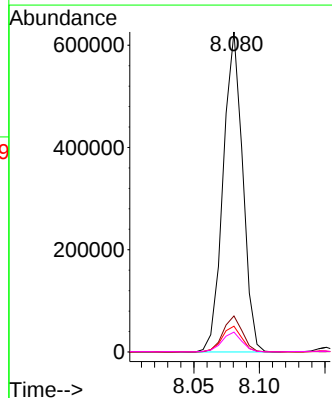
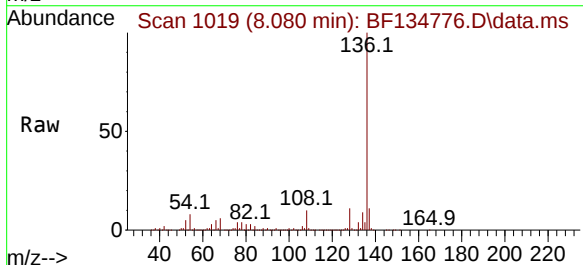
#7
Phenol-d6
Concen: 1.410 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion: 99 Resp: 19041
Ion Ratio Lower Upper
99 100
42 18.3 18.7 28.1#
71 31.1 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion: 136 Resp: 646421
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.1 5.2 7.8#
68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 1.246 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

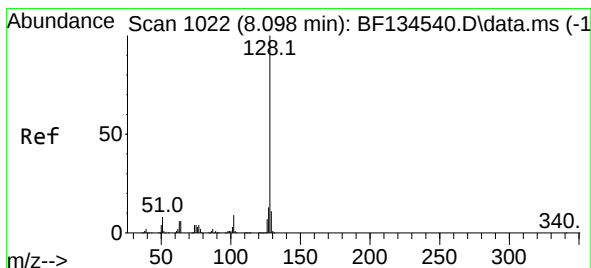
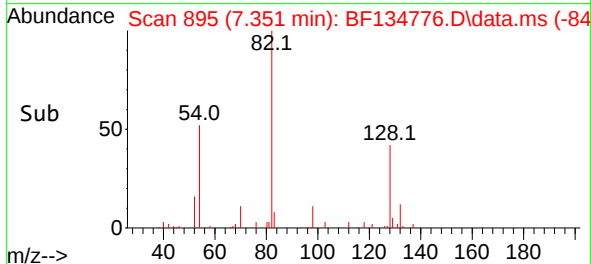
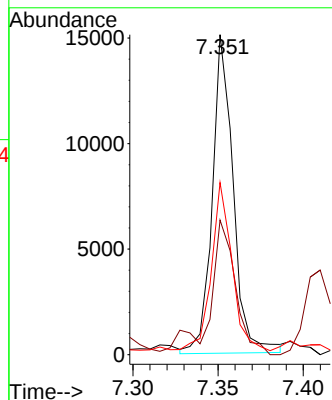
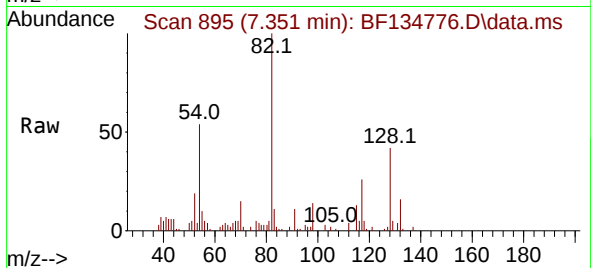
Tgt Ion: 82 Resp: 12891

Ion Ratio Lower Upper

82 100

128 42.0 34.3 51.5

54 53.8 43.8 65.6



#31

Naphthalene

Concen: 119.326 ng

RT: 8.110 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

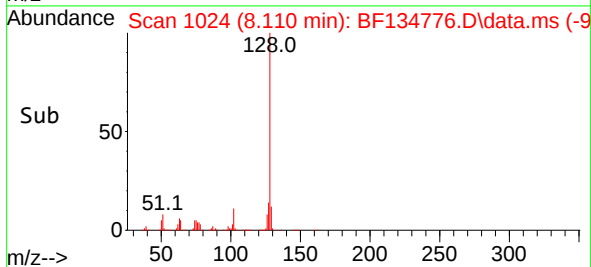
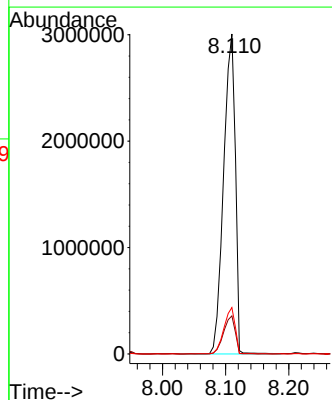
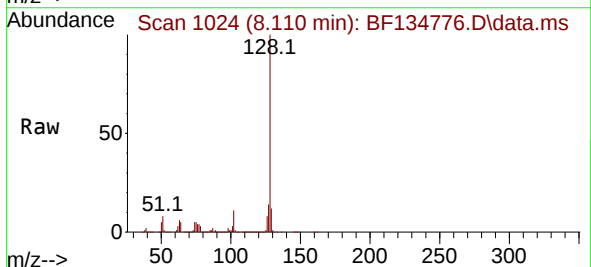
Tgt Ion:128 Resp: 3876647

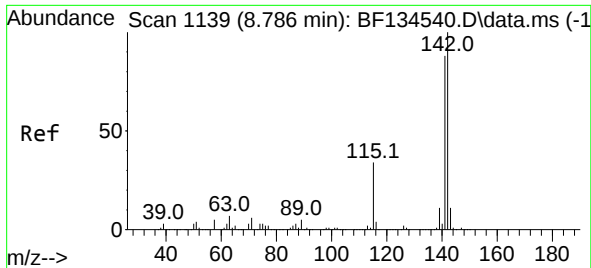
Ion Ratio Lower Upper

128 100

129 11.9 8.4 12.6

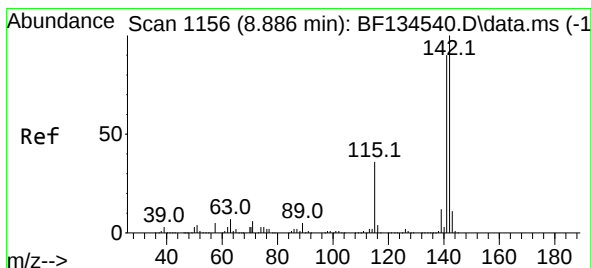
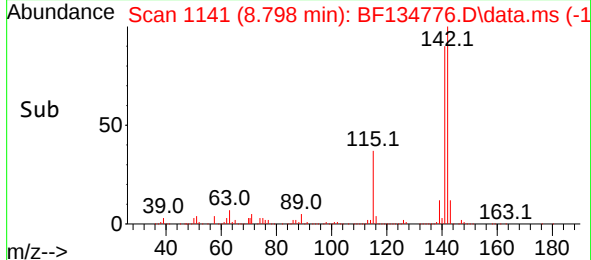
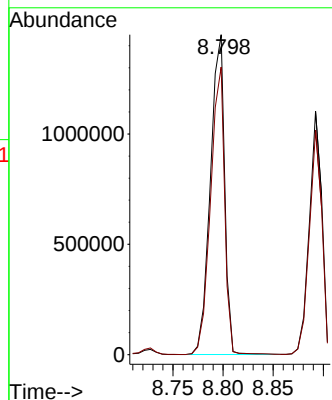
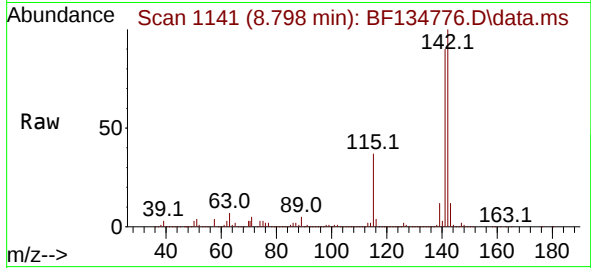
127 14.5 10.7 16.1





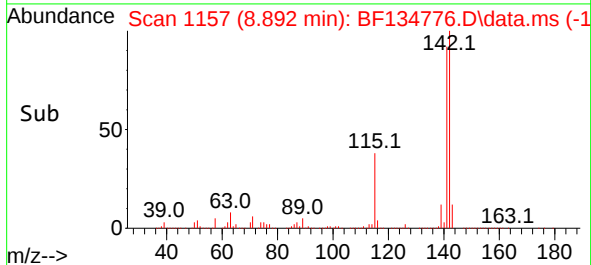
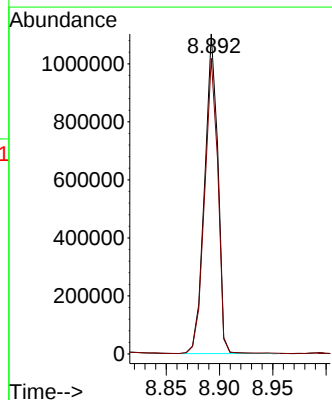
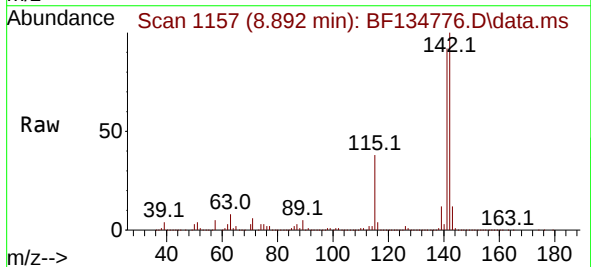
#37
2-Methylnaphthalene
Concen: 66.529 ng
RT: 8.798 min Scan# 1141
Delta R.T. 0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

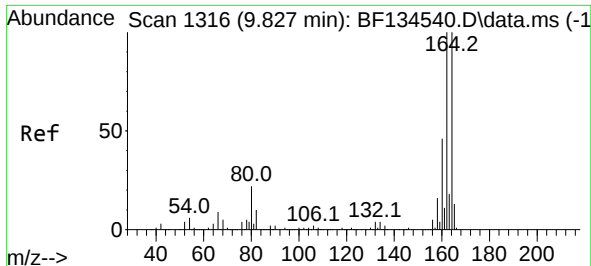
Tgt Ion:142 Resp: 1432653
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2



#38
1-Methylnaphthalene
Concen: 47.742 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:142 Resp: 956018
Ion Ratio Lower Upper
142 100
141 92.3 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

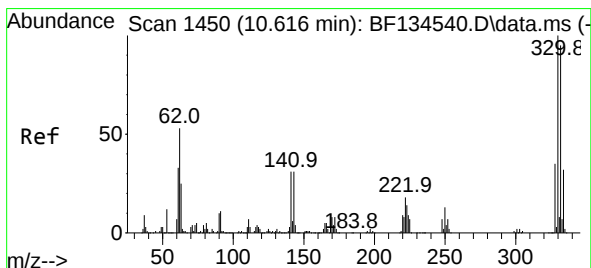
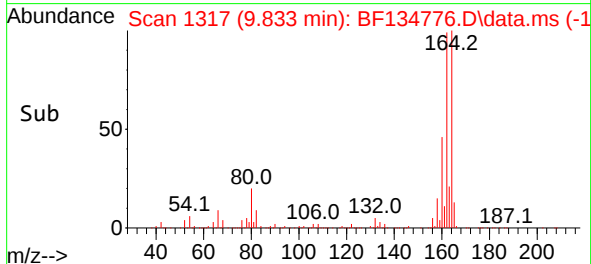
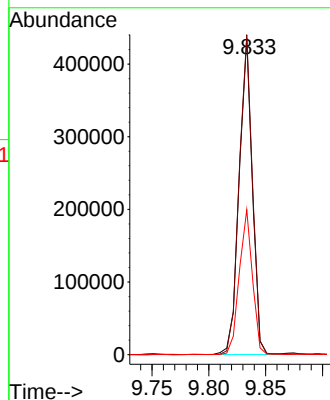
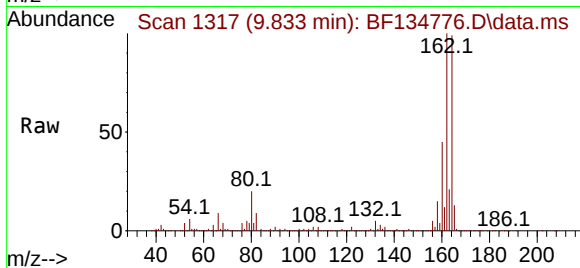
Tgt Ion:164 Resp: 351042

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

160 45.8 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 1.600 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

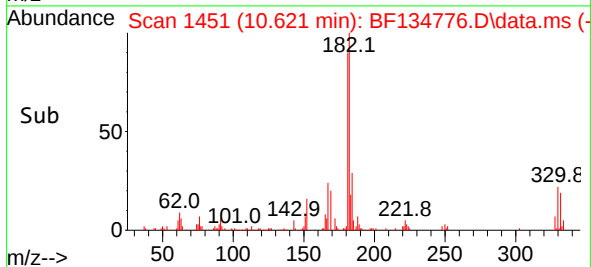
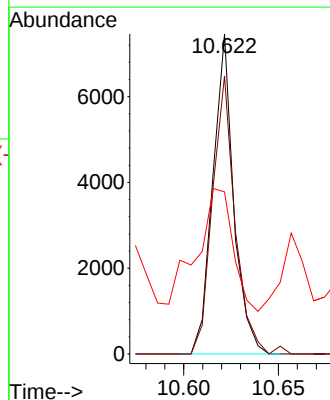
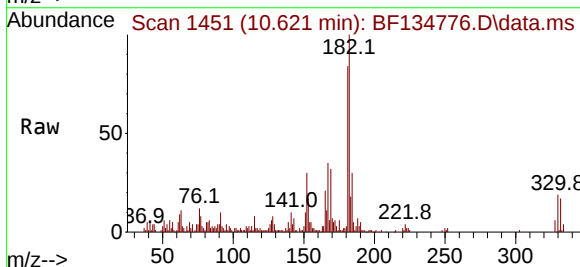
Tgt Ion:330 Resp: 5725

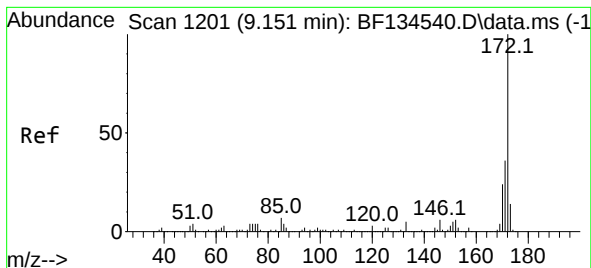
Ion Ratio Lower Upper

330 100

332 94.4 78.8 118.2

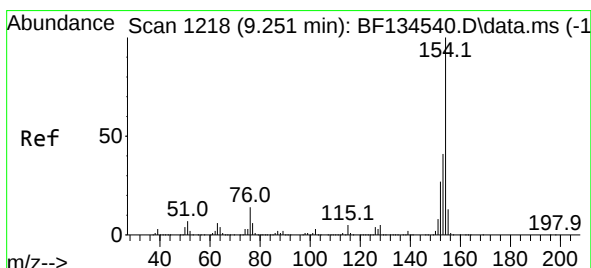
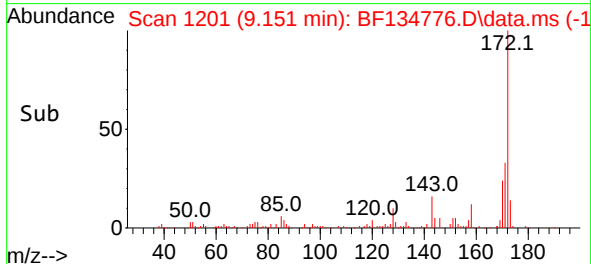
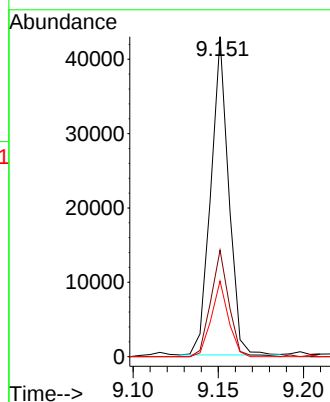
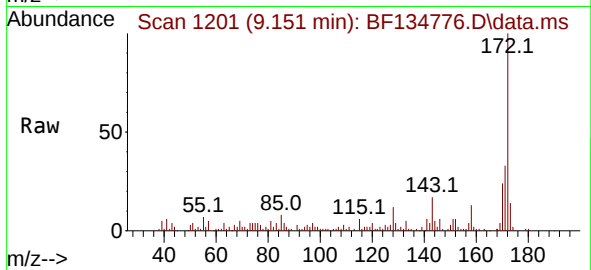
141 66.2 25.4 38.2#





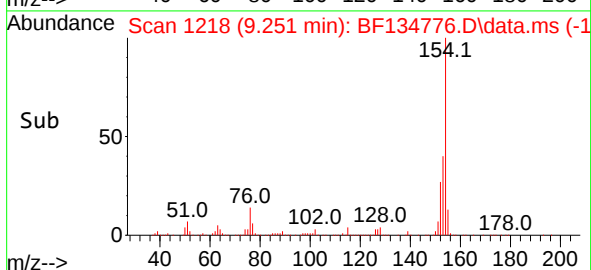
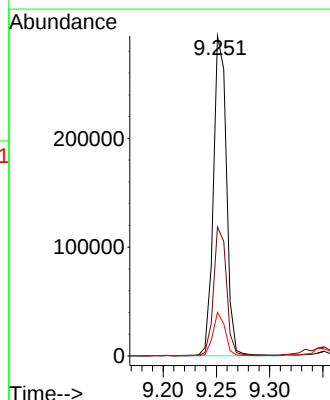
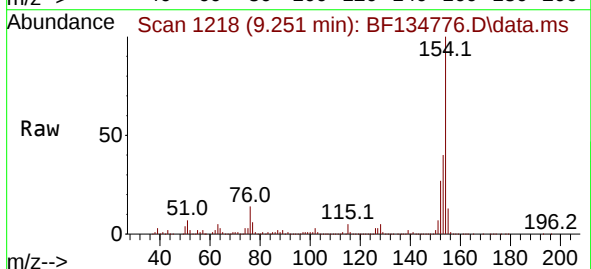
#45
2-Fluorobiphenyl
Concen: 1.476 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

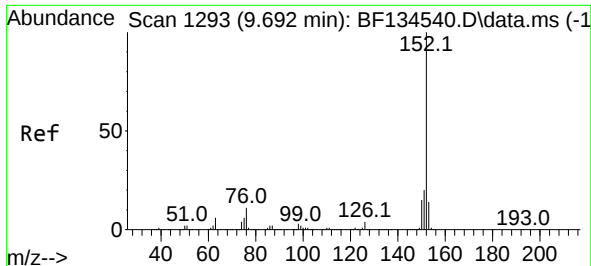
Tgt Ion:	172	Resp:	31158
Ion Ratio	Lower	Upper	
172	100		
171	33.3	28.8	43.2
170	23.6	18.7	28.1



#46
1,1'-Biphenyl
Concen: 9.181 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

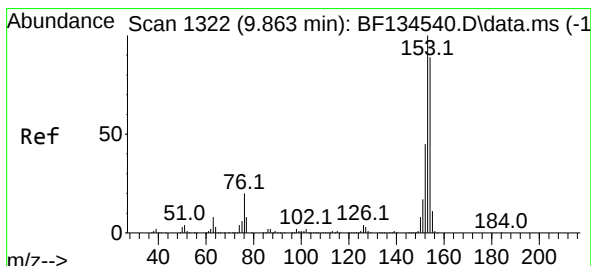
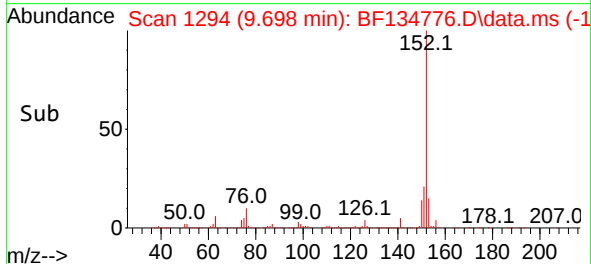
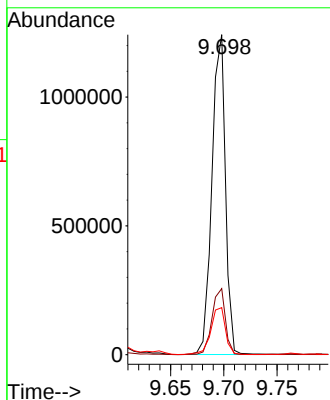
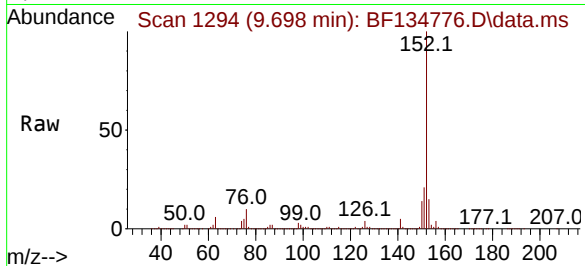
Tgt Ion:	154	Resp:	250625
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.8	60.8
76	13.6	0.0	30.2





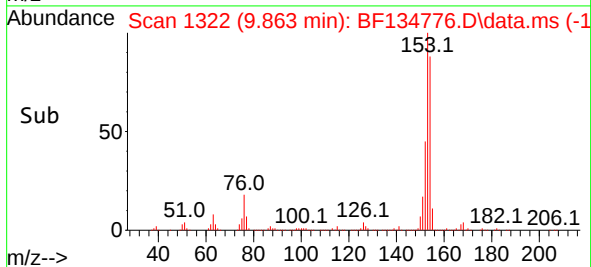
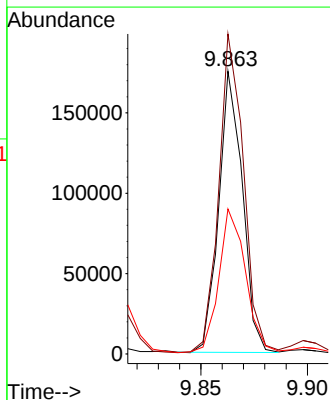
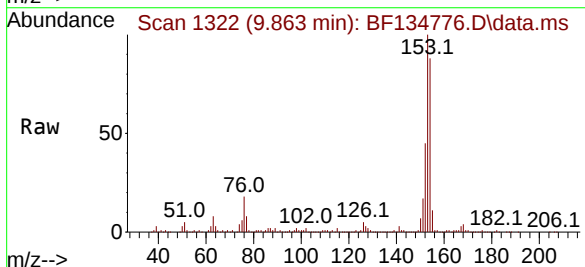
#49
Acenaphthylene
Concen: 34.125 ng
RT: 9.698 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

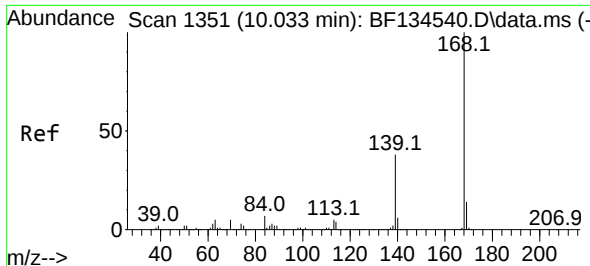
Tgt Ion:152 Resp: 1097180
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 14.7 10.9 16.3



#52
Acenaphthene
Concen: 6.466 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

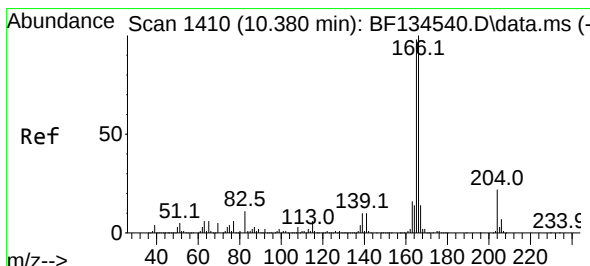
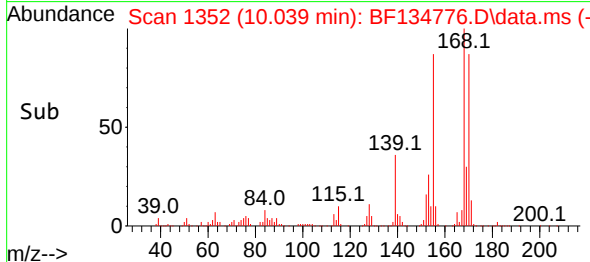
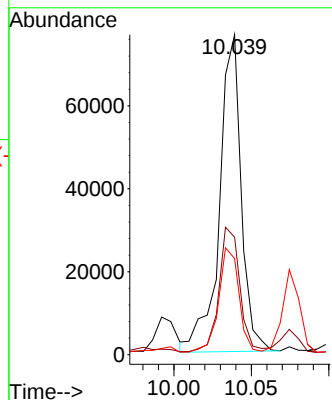
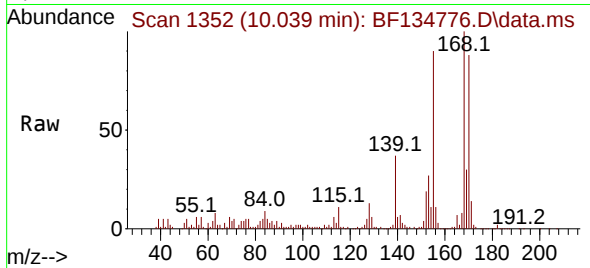
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Ion Ratio Lower Upper
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153 113.2 90.0 135.0
152 51.3 42.4 63.6





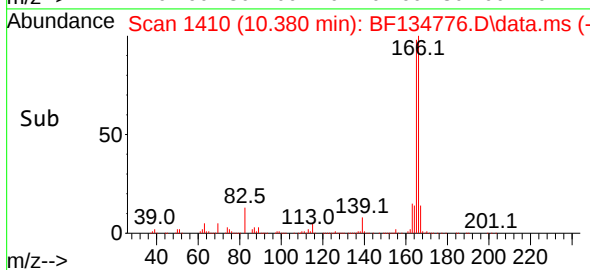
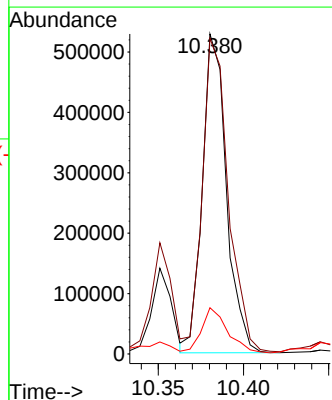
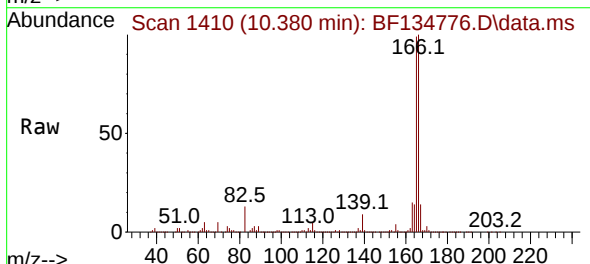
#55
Dibenzenofuran
Concen: 2.526 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

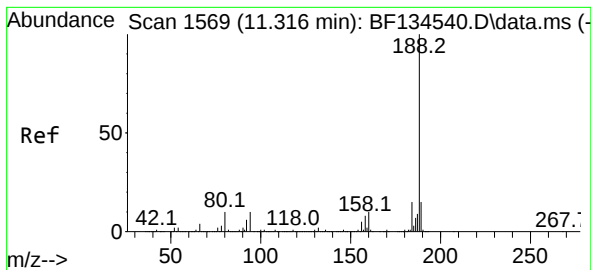
Tgt Ion:168 Resp: 74916
Ion Ratio Lower Upper
168 100
139 36.7 33.4 50.2
169 30.1 10.6 15.8#



#58
Fluorene
Concen: 23.951 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

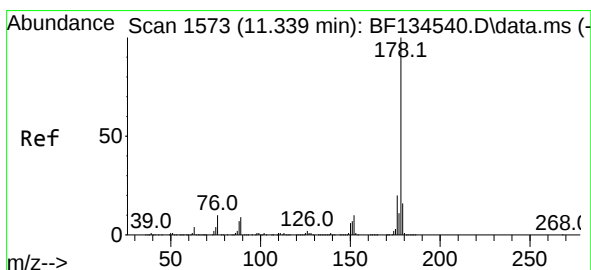
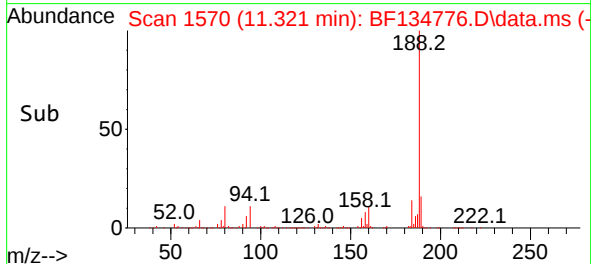
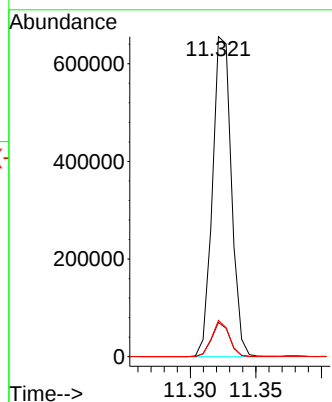
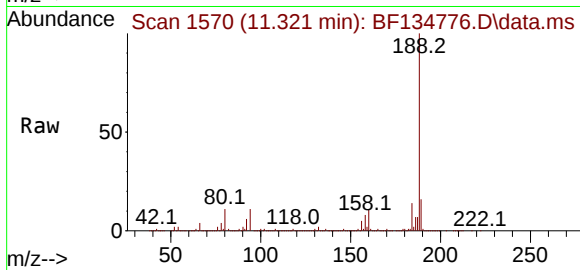
Tgt Ion:166 Resp: 517464
Ion Ratio Lower Upper
166 100
165 98.6 74.5 111.7
167 14.5 10.6 16.0





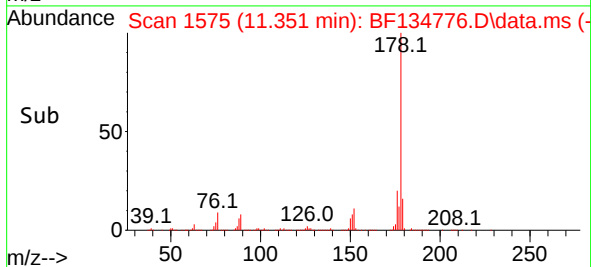
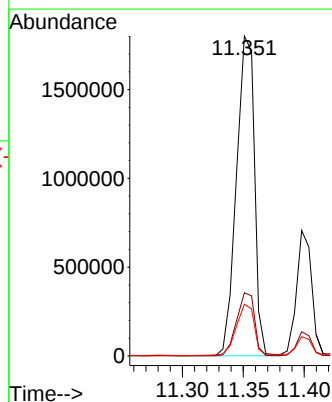
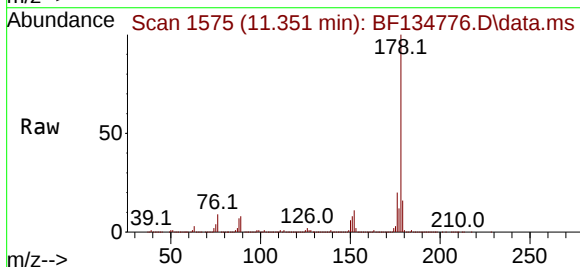
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

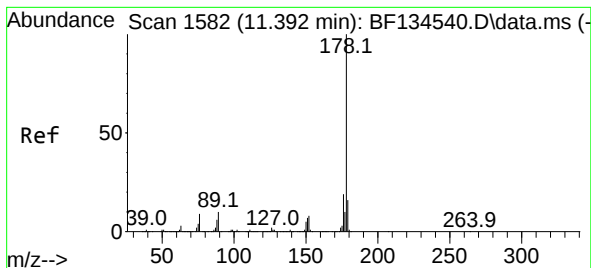
Tgt Ion:188 Resp: 657941
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7#
80 11.3 6.6 9.8#



#71
Phenanthrene
Concen: 53.215 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:178 Resp: 1859715
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.1 12.7 19.1





#72

Anthracene

Concen: 16.594 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

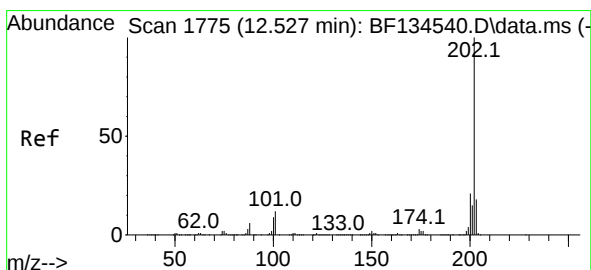
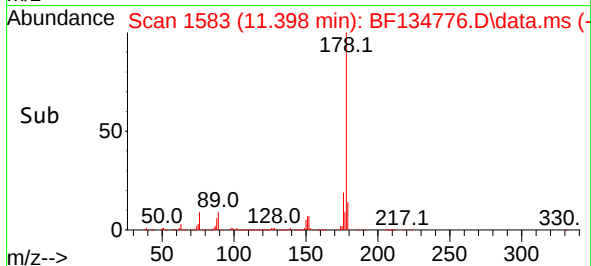
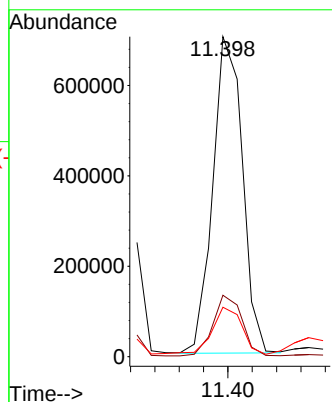
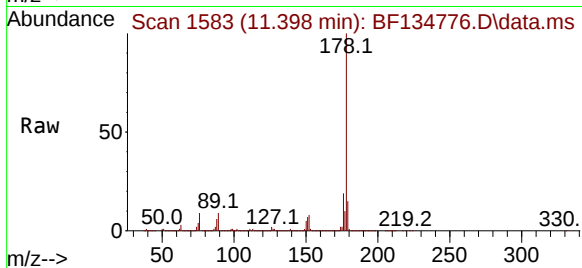
Tgt Ion:178 Resp: 592364

Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

179 15.5 12.3 18.5



#75

Fluoranthene

Concen: 18.551 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.000 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

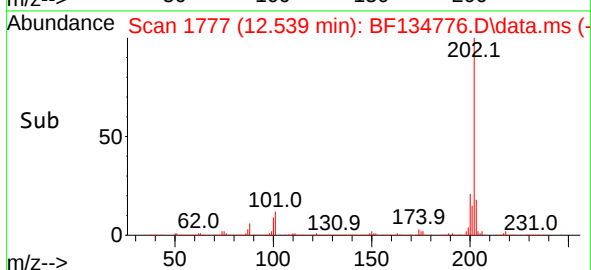
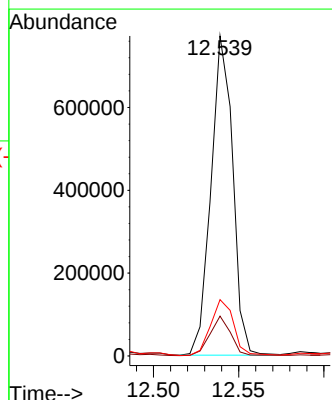
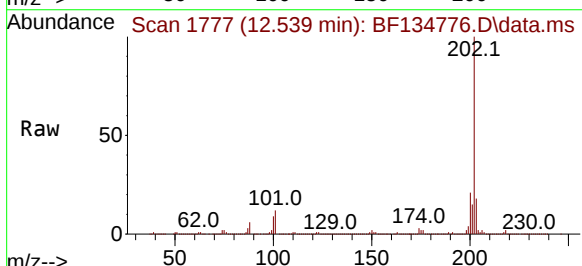
Tgt Ion:202 Resp: 684807

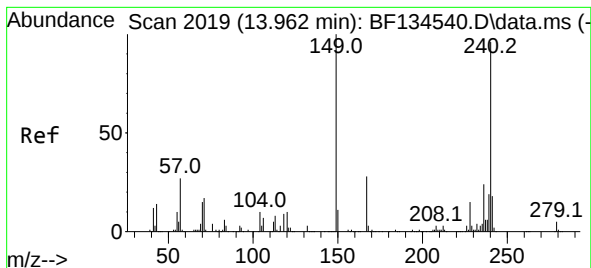
Ion Ratio Lower Upper

202 100

101 12.5 0.0 28.5

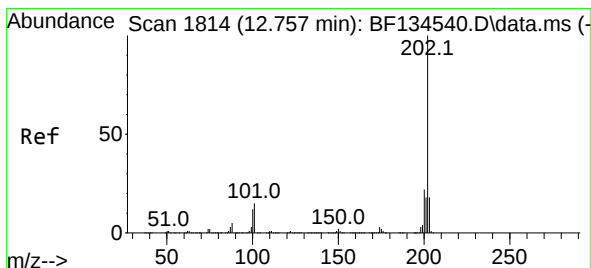
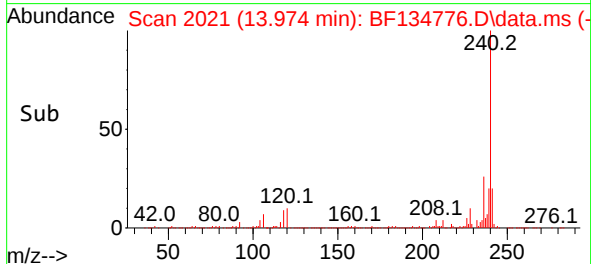
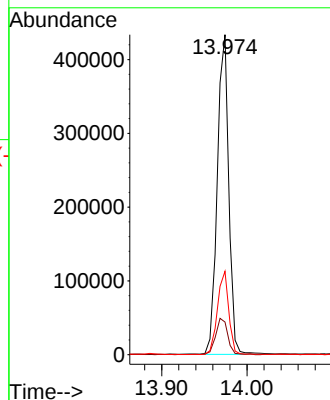
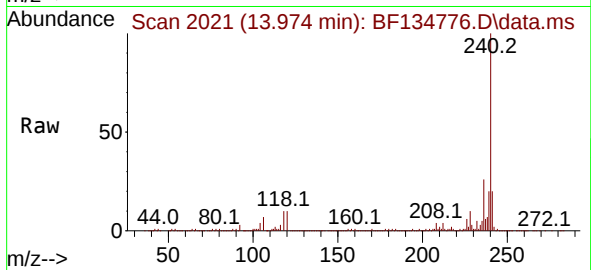
203 17.6 0.0 37.5





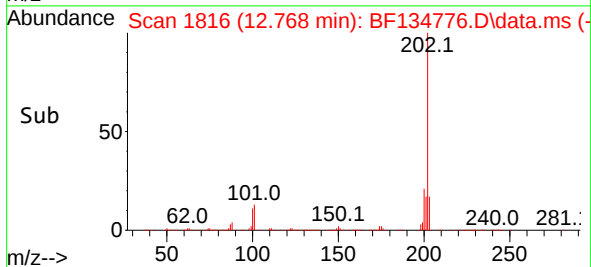
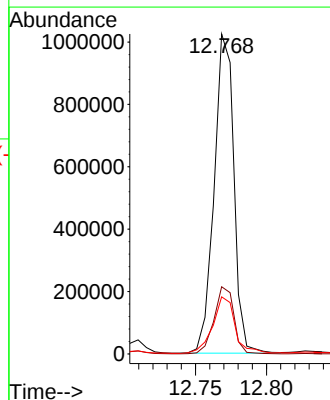
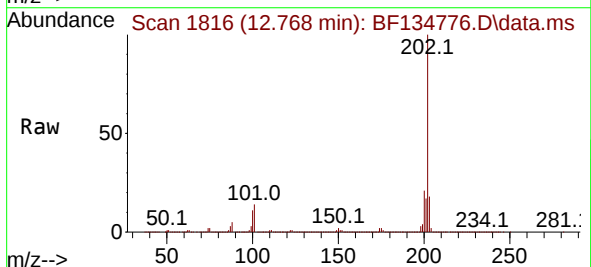
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

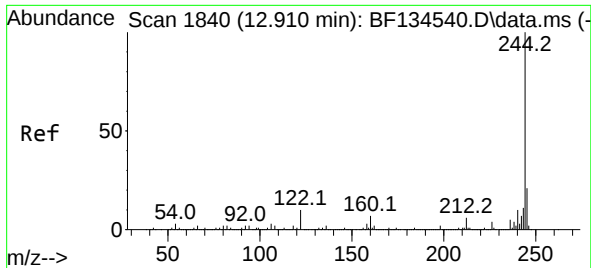
Tgt Ion:240 Resp: 405479
Ion Ratio Lower Upper
240 100
120 10.2 6.6 10.0#
236 26.0 20.2 30.2



#78
Pyrene
Concen: 28.101 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

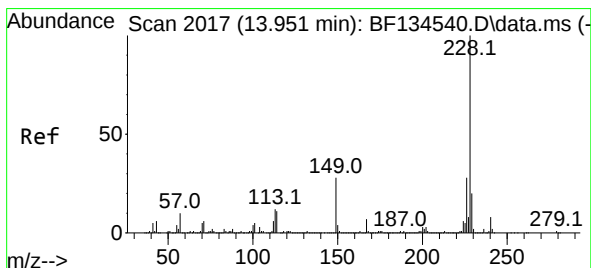
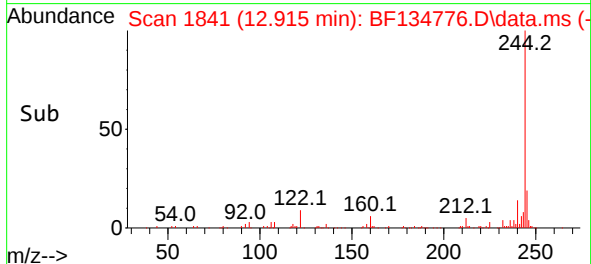
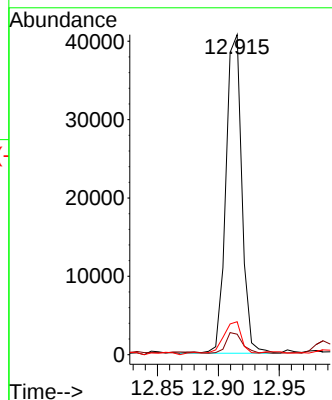
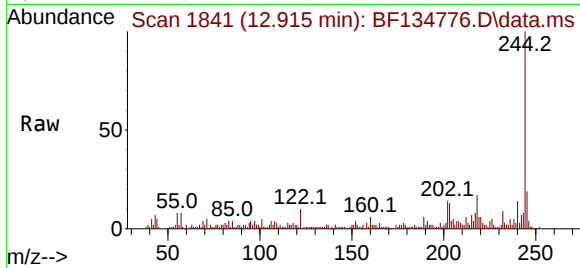
Tgt Ion:202 Resp: 985980
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.8
203 17.9 13.5 20.3





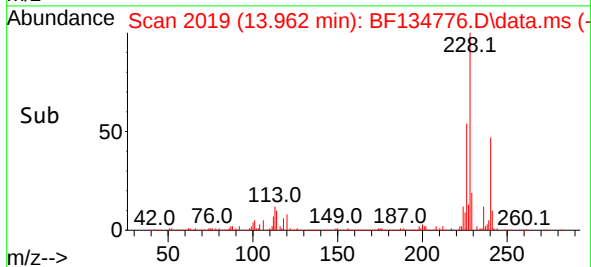
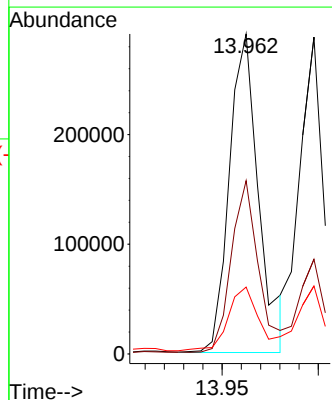
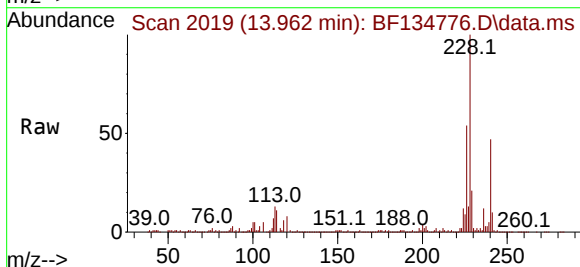
#79
 Terphenyl-d14
 Concen: 1.615 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134776.D
 Acq: 15 Aug 2023 09:47

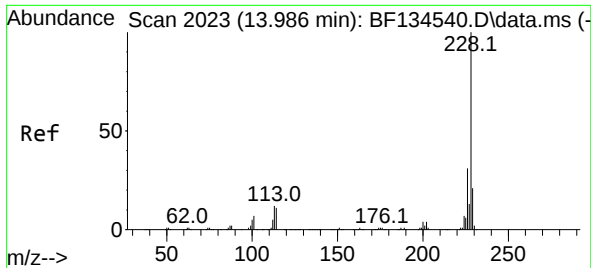
Tgt Ion:244 Resp: 37137
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.3 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 10.630 ng m
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: BF134776.D
 Acq: 15 Aug 2023 09:47

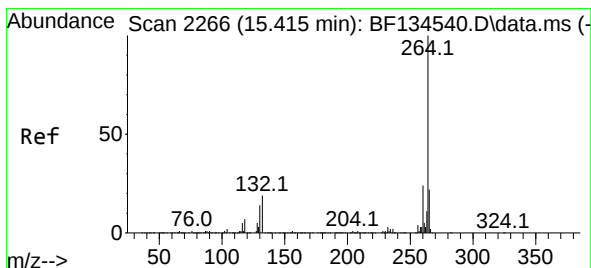
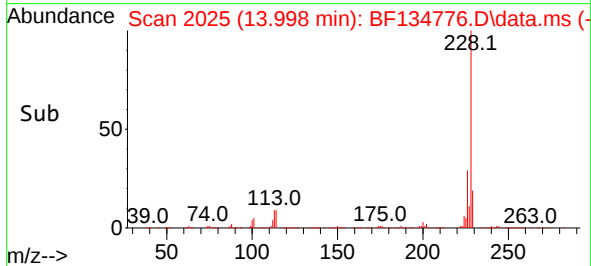
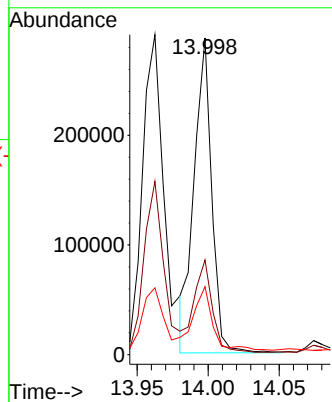
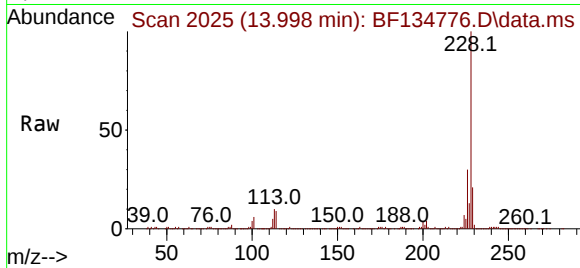
Tgt Ion:228 Resp: 308213
 Ion Ratio Lower Upper
 228 100
 226 54.1 22.3 33.5#
 229 20.9 15.8 23.6





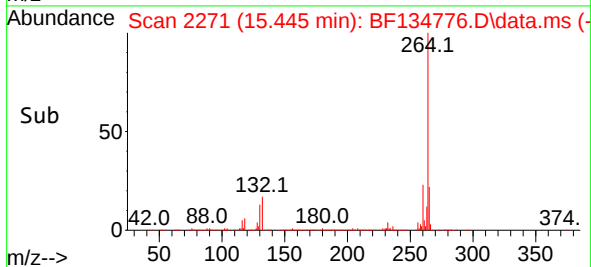
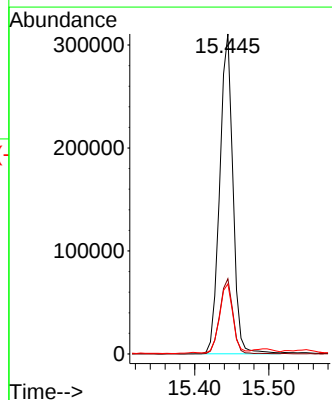
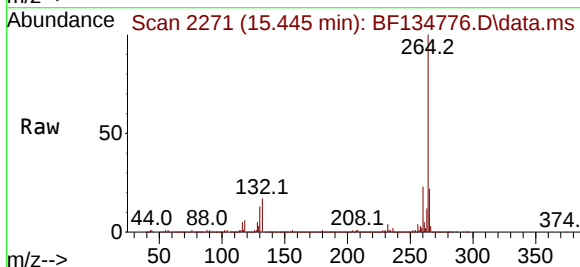
#83
Chrysene
Concen: 8.779 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

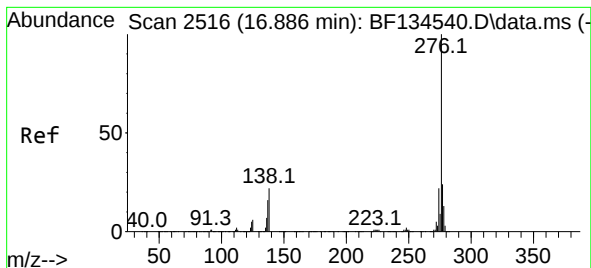
Tgt Ion:228 Resp: 247976
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 21.5 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:264 Resp: 385322
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 21.9 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.547 ng m

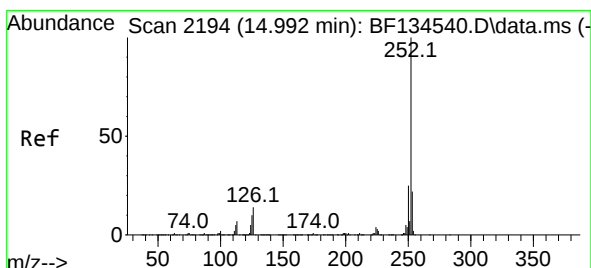
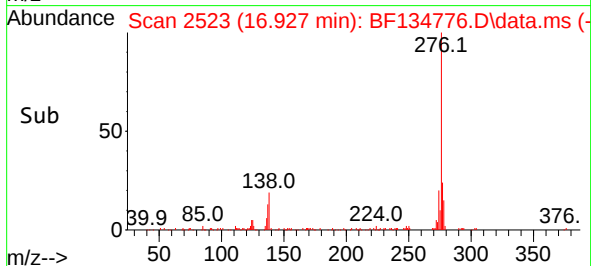
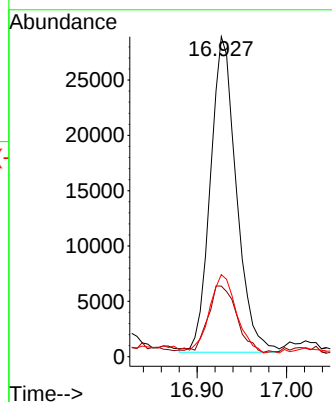
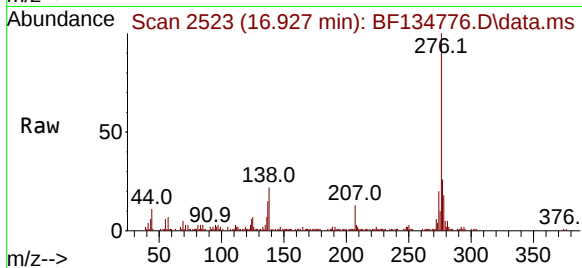
RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

Tgt Ion:	276	Resp:	57722
Ion Ratio	Lower	Upper	
276	100		
138	3.8	14.2	21.4#
277	4.4	19.9	29.9#



#88

Benzo(b)fluoranthene

Concen: 6.618 ng m

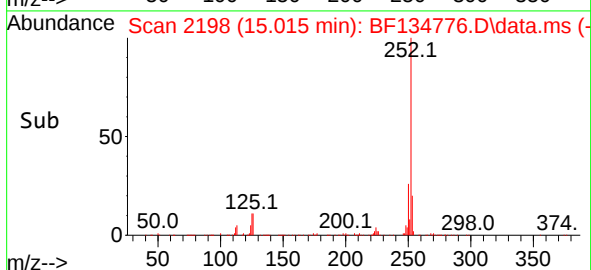
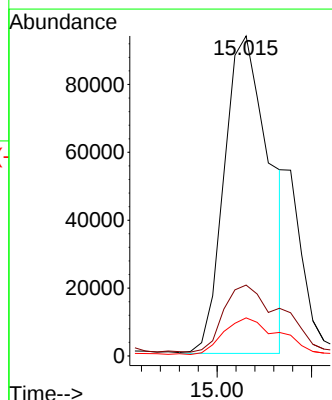
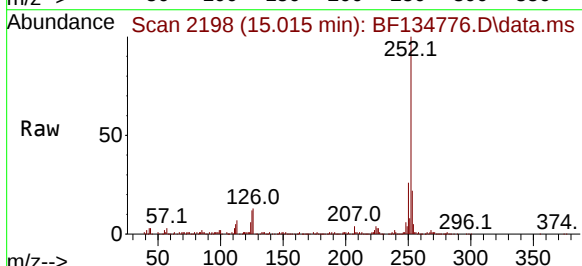
RT: 15.015 min Scan# 2198

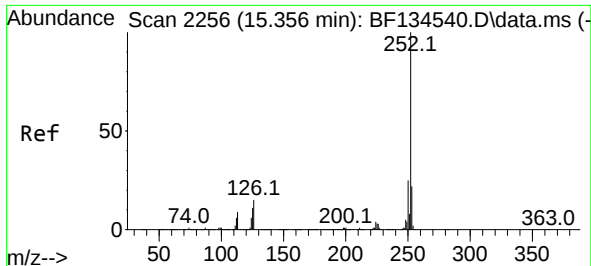
Delta R.T. 0.006 min

Lab File: BF134776.D

Acq: 15 Aug 2023 09:47

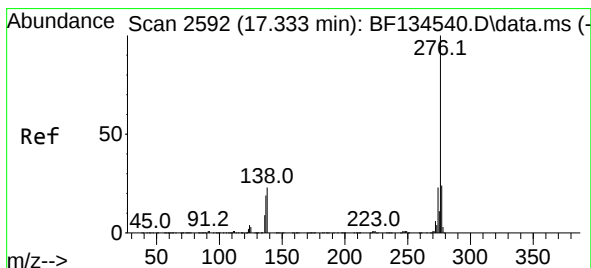
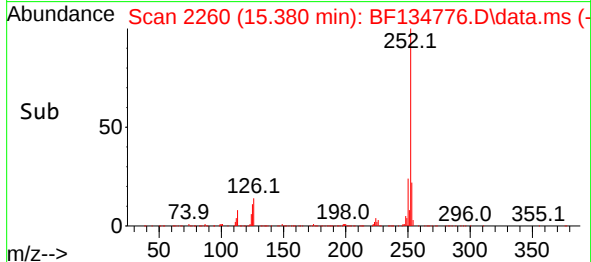
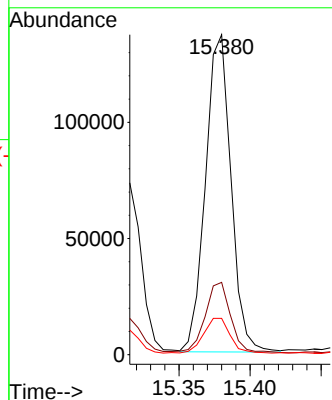
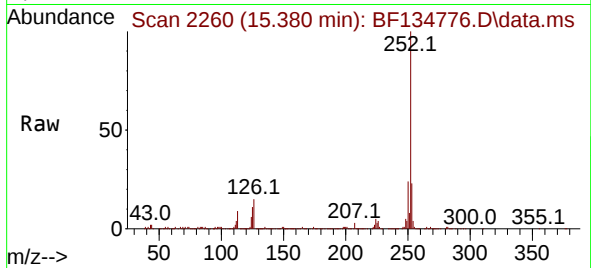
Tgt Ion:	252	Resp:	155527
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	11.9	6.0	9.0#





#90
Benzo(a)pyrene
Concen: 7.812 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:252 Resp: 171182
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 11.3 6.2 9.4#



#92
Benzo(g,h,i)perylene
Concen: 3.284 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF134776.D
Acq: 15 Aug 2023 09:47

Tgt Ion:276 Resp: 61346
Ion Ratio Lower Upper
276 100
277 26.3 19.0 28.6
138 24.1 12.2 18.2#

