

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134656.D
 Acq On : 07 Aug 2023 16:14
 Operator : CG\JU
 Sample : 03775-03DL2 125X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 08 01:22:23 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

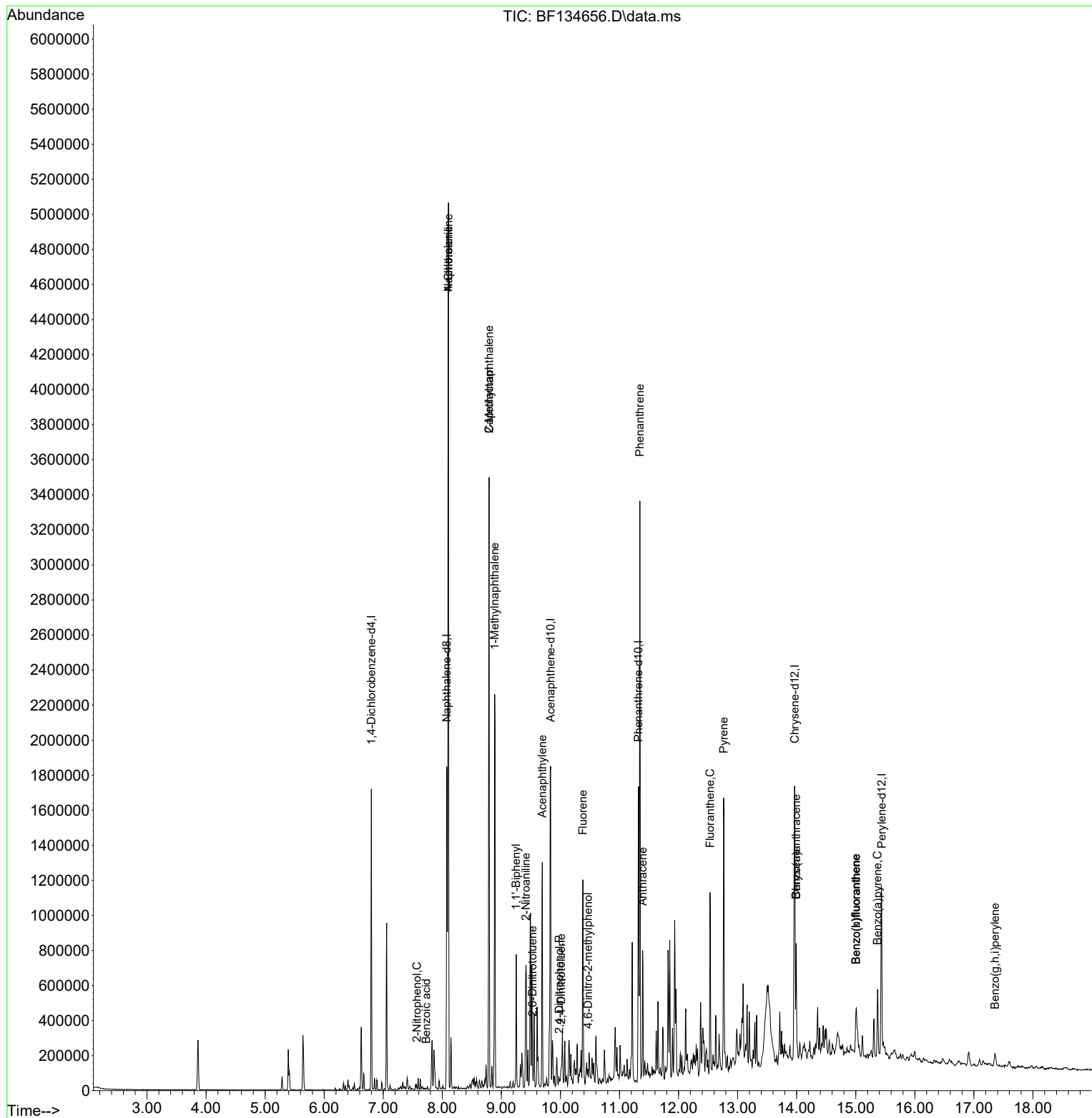
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	216110	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	825141	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	376276	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	580975	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	462440	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	456004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	4329	0.304	ng	-0.01
7) Phenol-d6	6.422	99	5683	0.313	ng	-0.02
23) Nitrobenzene-d5	7.351	82	3460	0.262	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	523	0.136	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	7502	0.331	ng	-0.01
79) Terphenyl-d14	12.910	244	7610	0.290	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.357	77	964	Below Cal		Qvalue # 1
26) 2-Nitrophenol	7.569	139	65	4.802	ng	# 1
31) Naphthalene	8.104	128	2219462	53.520	ng	98
32) Benzoic acid	7.728	122	260	7.893	ng	97
33) 4-Chloroaniline	8.104	127	301116	16.296	ng	# 33
35) Caprolactam	8.792	113	18774	4.990	ng	# 1
37) 2-Methylnaphthalene	8.792	142	831228	30.240	ng	99
38) 1-Methylnaphthalene	8.886	142	565933	22.141	ng	98
46) 1,1'-Biphenyl	9.251	154	193348	6.608	ng	97
48) 2-Nitroaniline	9.416	65	4200	3.740	ng	# 25
49) Acenaphthylene	9.692	152	406000	11.781	ng	98
51) 2,6-Dinitrotoluene	9.527	165	4198	3.253	ng	# 59
54) 2,4-Dinitrophenol	9.980	184	63	6.821	ng	# 1
57) 2,4-Dinitrotoluene	10.010	165	4337	3.494	ng	# 58
58) Fluorene	10.380	166	293783	12.686	ng	96
65) 4,6-Dinitro-2-methylph...	10.469	198	55	8.718	ng	# 1
71) Phenanthrene	11.345	178	1124089	36.427	ng	99
72) Anthracene	11.392	178	274287	8.702	ng	99
75) Fluoranthene	12.533	202	375352	11.515	ng	96
78) Pyrene	12.763	202	651433	16.279	ng	97
81) Benzo(a)anthracene	13.992	228	232447	7.030	ng	95
83) Chrysene	13.992	228	232447	7.215	ng	98
88) Benzo(b)fluoranthene	15.004	252	210016	7.551	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	210016	7.581	ng	# 96
90) Benzo(a)pyrene	15.368	252	186031	7.174	ng	# 95
92) Benzo(g,h,i)perylene	17.356	276	56944	2.576	ng	# 90

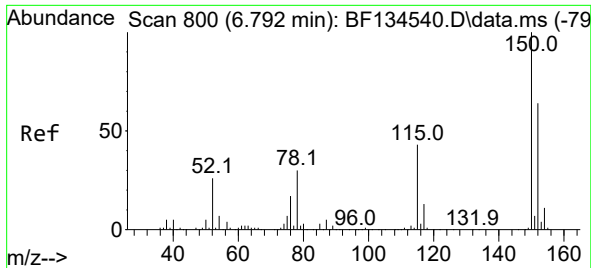
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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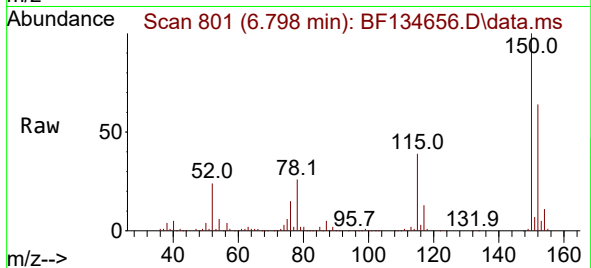
Quant Time: Aug 08 01:22:23 2023
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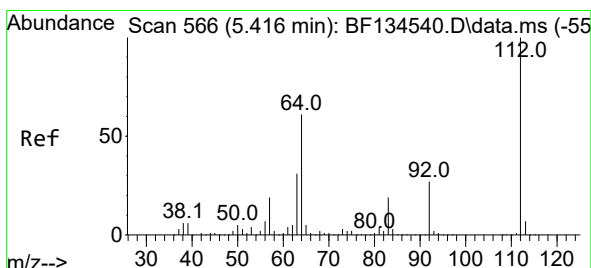
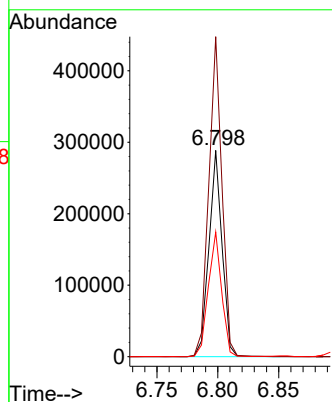
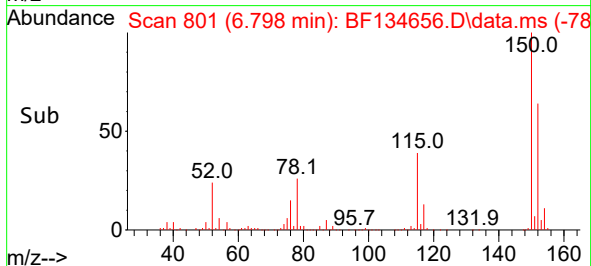


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

Instrument :
 BNA_N
 ClientSampleId :

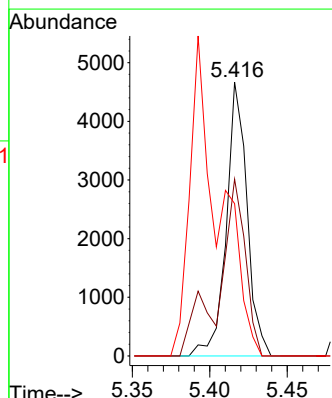
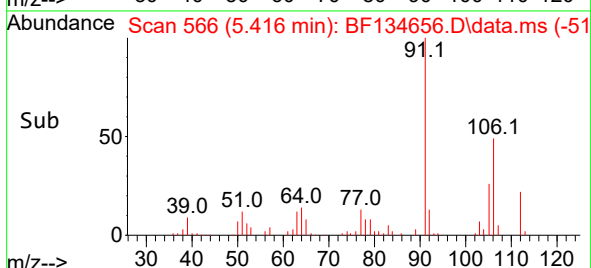
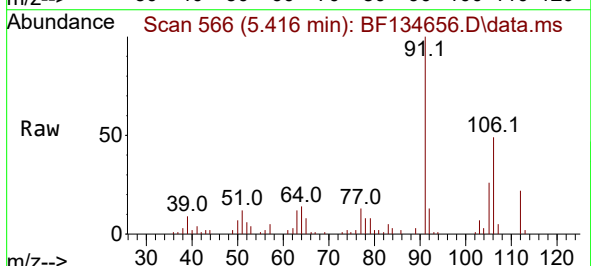


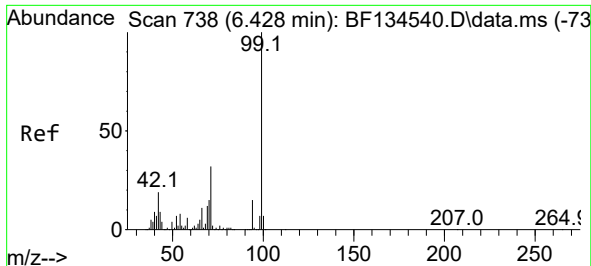
Tgt Ion:152 Resp: 216110
 Ion Ratio Lower Upper
 152 100
 150 155.2 128.3 192.5
 115 60.4 52.4 78.6



#5
 2-Fluorophenol
 Concen: 0.304 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.012 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

Tgt Ion:112 Resp: 4329
 Ion Ratio Lower Upper
 112 100
 64 64.5 44.9 67.3
 63 55.6 25.4 38.0#

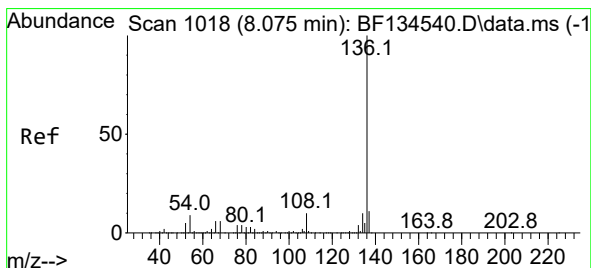
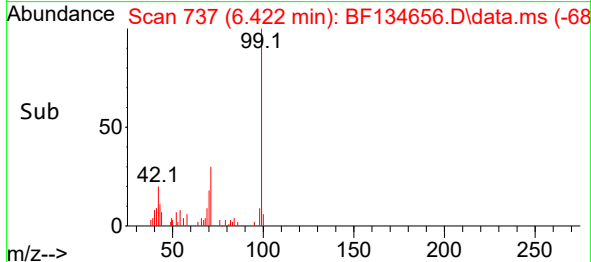
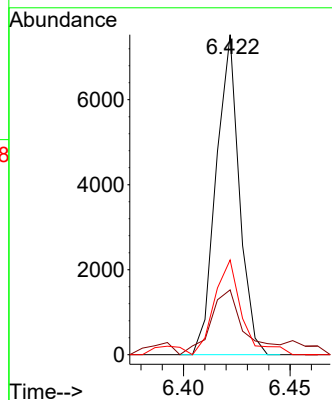
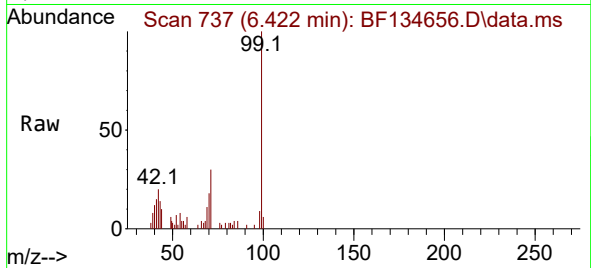




#7
Phenol-d6
Concen: 0.313 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

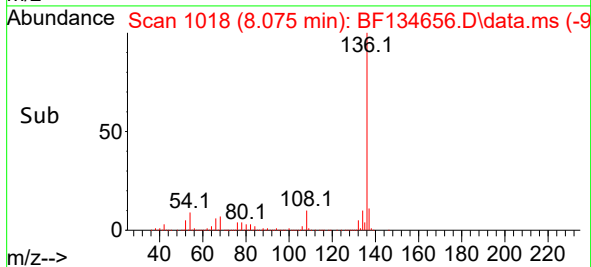
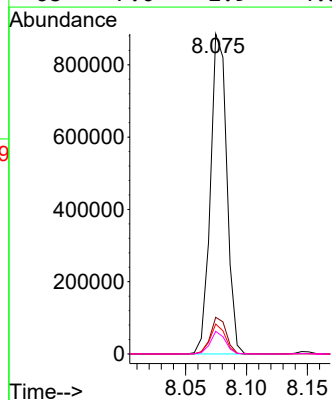
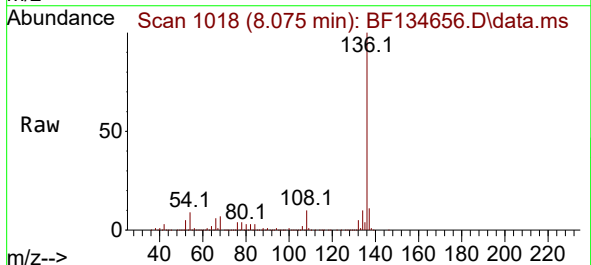
Instrument :
BNA_N
ClientSampleId :

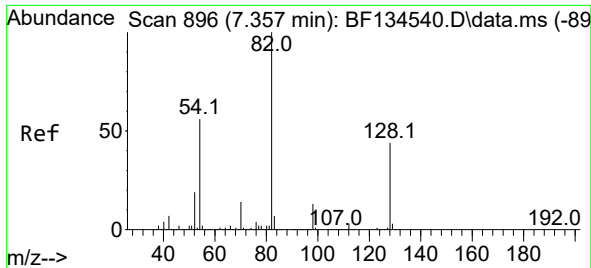
Tgt Ion: 99 Resp: 5683
Ion Ratio Lower Upper
99 100
42 20.2 18.7 28.1
71 29.6 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion: 136 Resp: 825141
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 9.4 5.2 7.8#
68 7.0 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.262 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

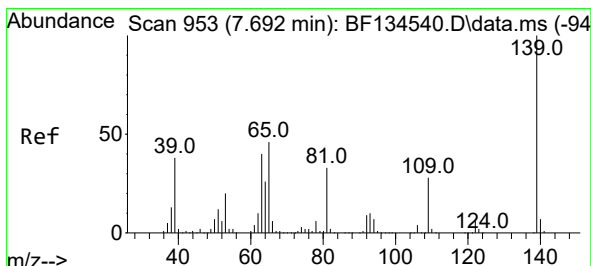
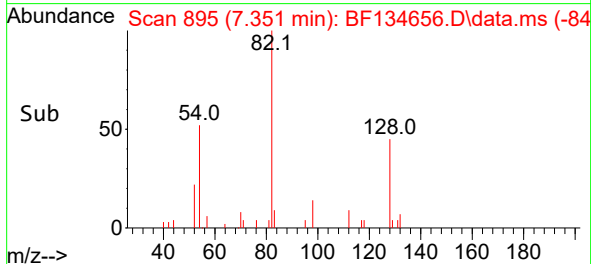
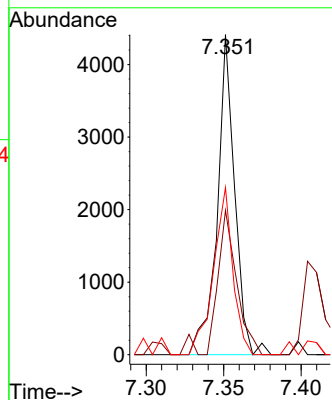
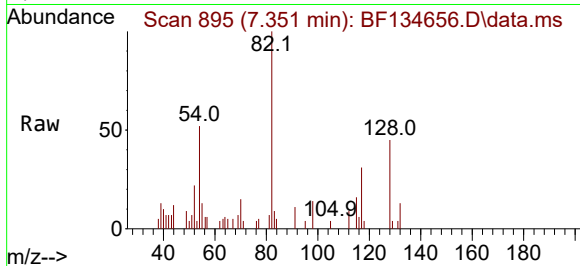
Tgt Ion: 82 Resp: 3460

Ion Ratio Lower Upper

82 100

128 45.1 34.3 51.5

54 52.3 43.8 65.6



#26

2-Nitrophenol

Concen: 4.802 ng

RT: 7.569 min Scan# 932

Delta R.T. -0.129 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

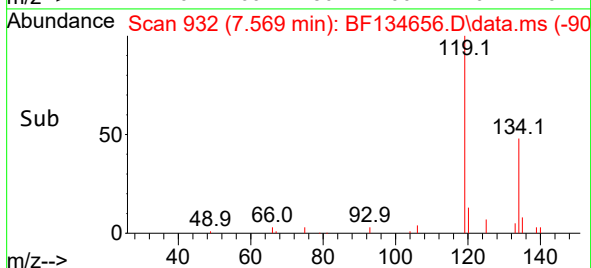
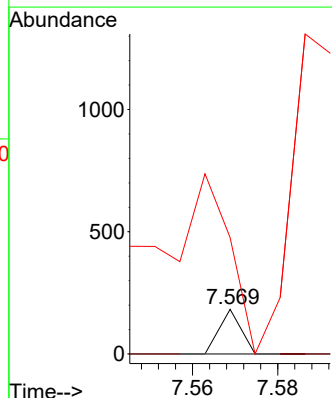
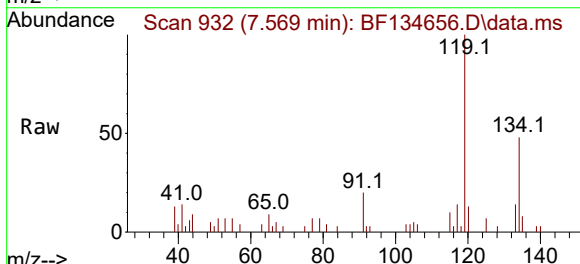
Tgt Ion:139 Resp: 65

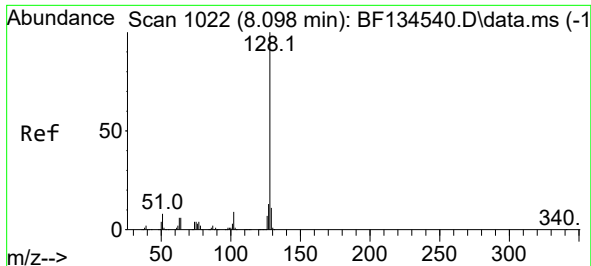
Ion Ratio Lower Upper

139 100

109 0.0 29.8 44.6#

65 260.1 45.4 68.2#

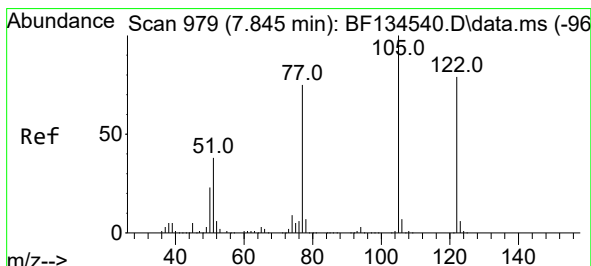
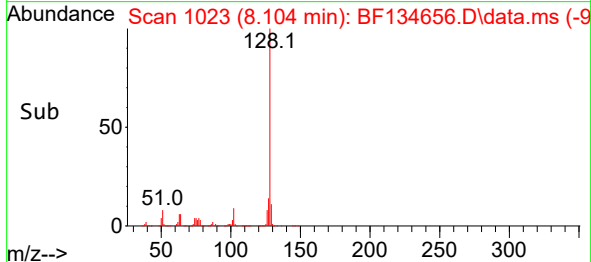
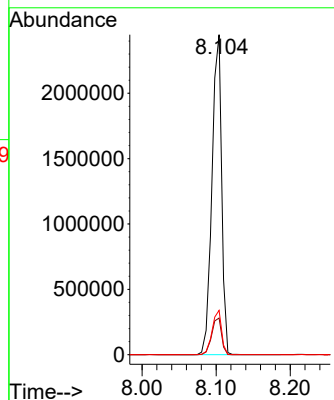
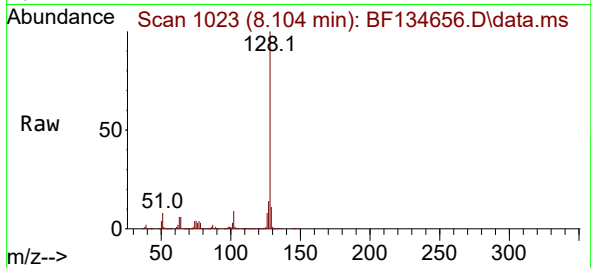




#31
Naphthalene
Concen: 53.520 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

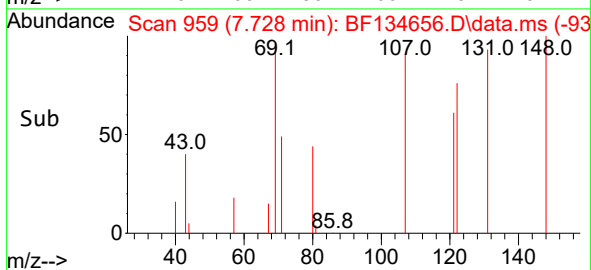
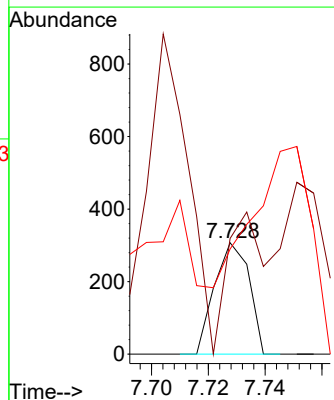
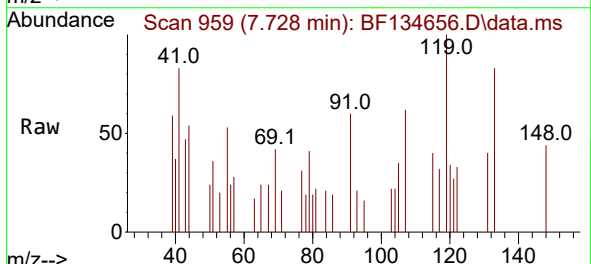
Instrument :
BNA_N
ClientSampleId :

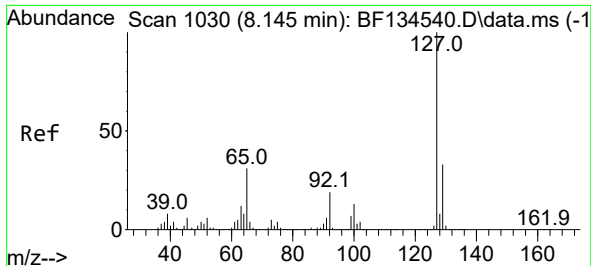
Tgt Ion:128 Resp: 2219462
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 13.8 10.7 16.1



#32
Benzoic acid
Concen: 7.893 ng
RT: 7.728 min Scan# 959
Delta R.T. -0.135 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

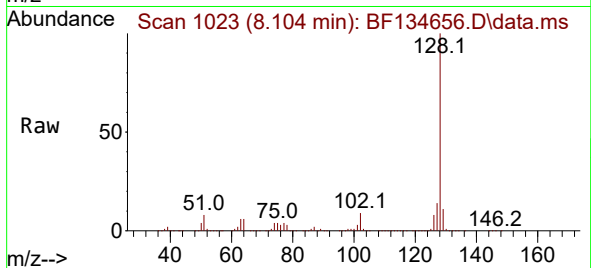
Tgt Ion:122 Resp: 260
Ion Ratio Lower Upper
122 100
105 103.9 87.5 127.5
77 94.5 71.4 111.4



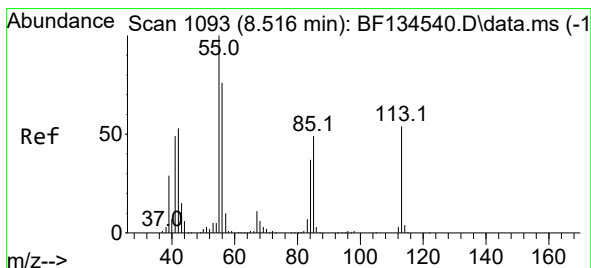
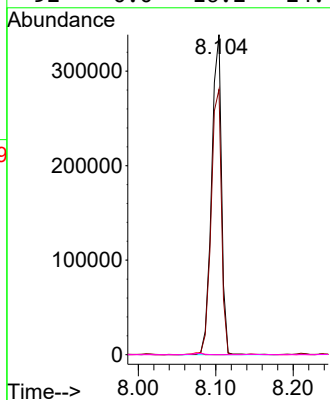
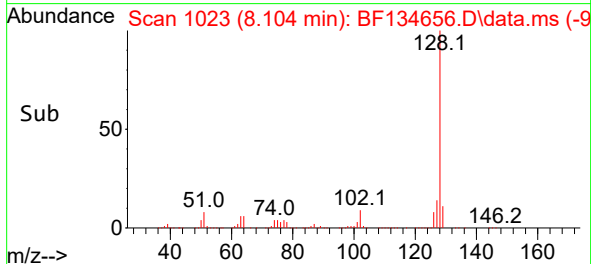


#33
4-Chloroaniline
Concen: 16.296 ng
RT: 8.104 min Scan# 110
Delta R.T. -0.047 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

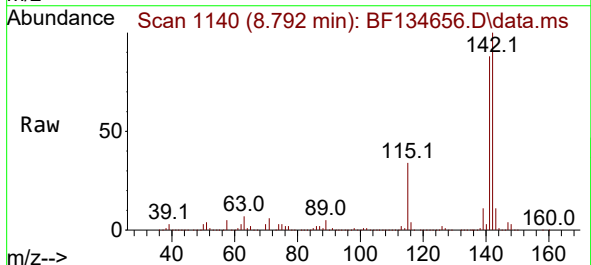
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BNA_N
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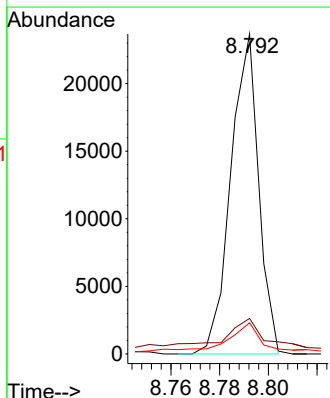
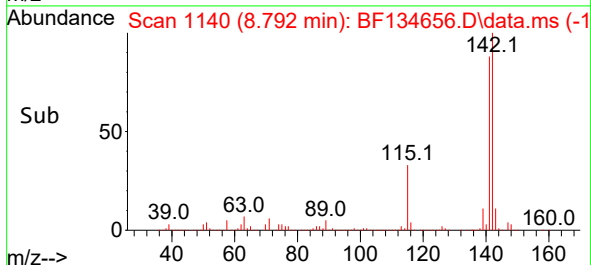
Tgt Ion:127 Resp: 301116
Ion Ratio Lower Upper
127 100
129 82.9 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#

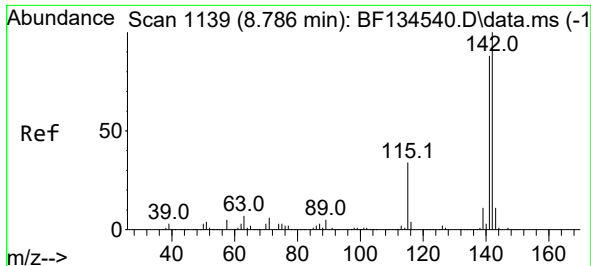


#35
Caprolactam
Concen: 4.990 ng
RT: 8.792 min Scan# 1140
Delta R.T. 0.259 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14



Tgt Ion:113 Resp: 18774
Ion Ratio Lower Upper
113 100
55 11.1 161.5 201.5#
56 9.7 117.8 157.8#

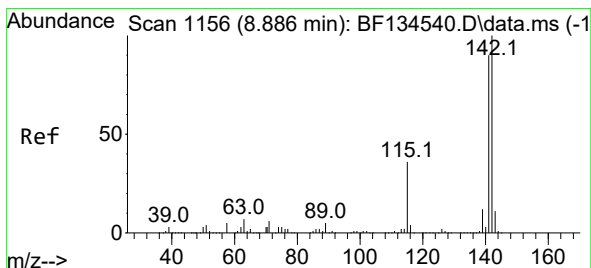
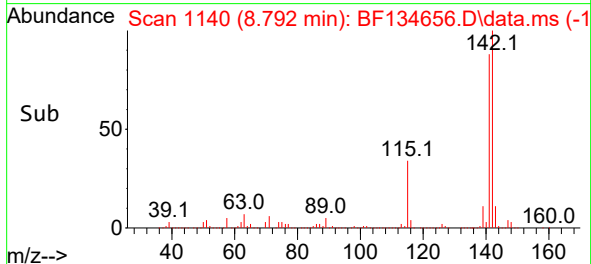
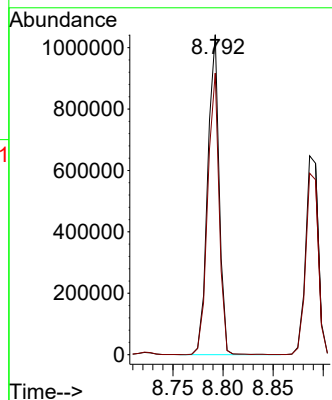
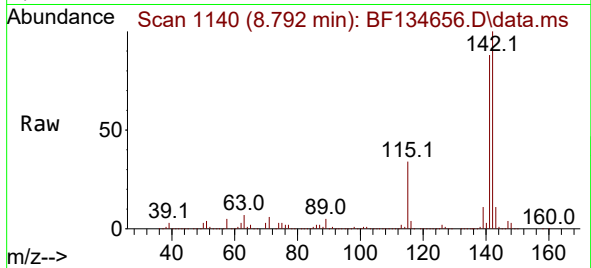




#37
2-Methylnaphthalene
Concen: 30.240 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

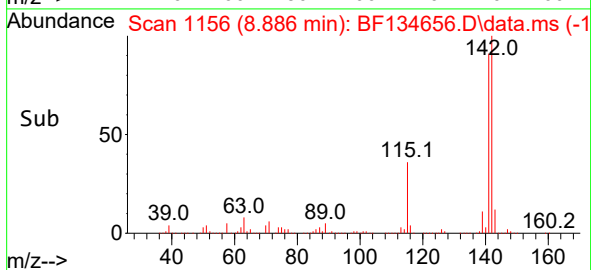
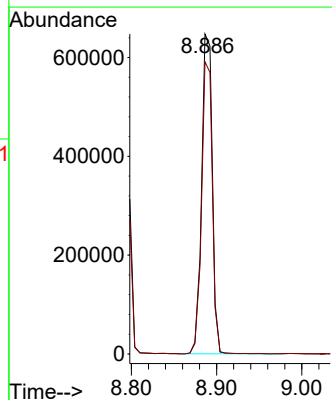
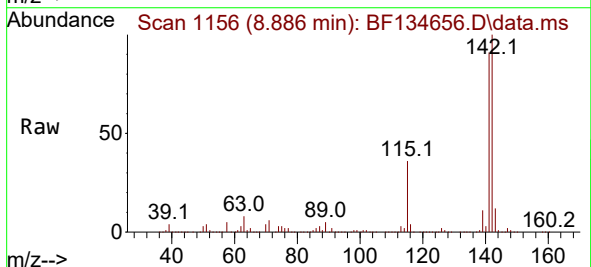
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BNA_N
ClientSampleId :

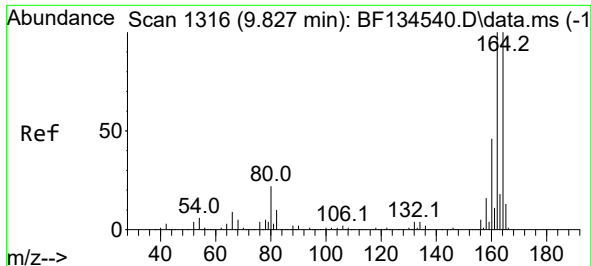
Tgt Ion:142 Resp: 831228
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2



#38
1-Methylnaphthalene
Concen: 22.141 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

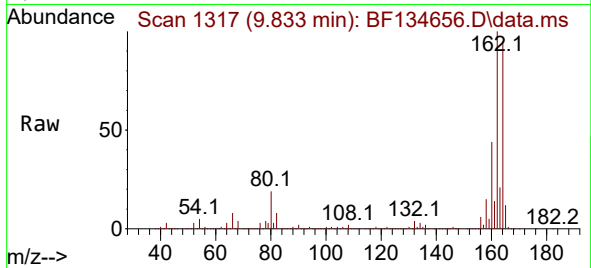
Tgt Ion:142 Resp: 565933
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2



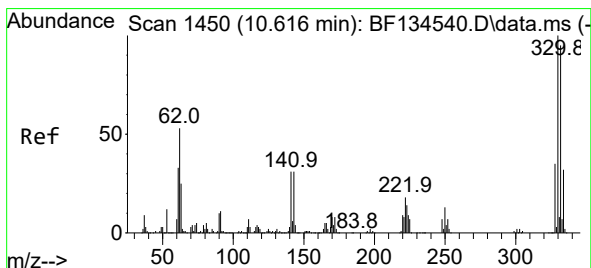
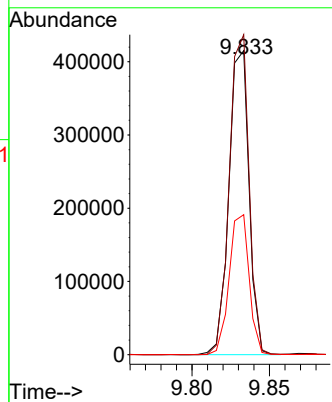
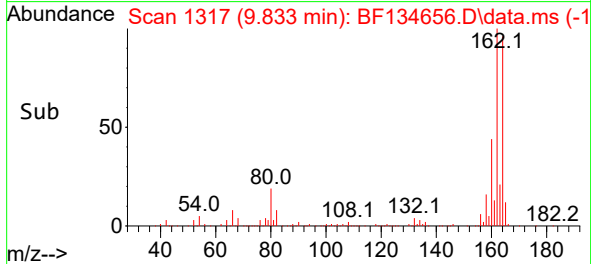


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

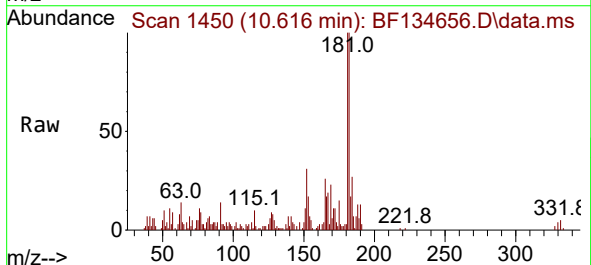
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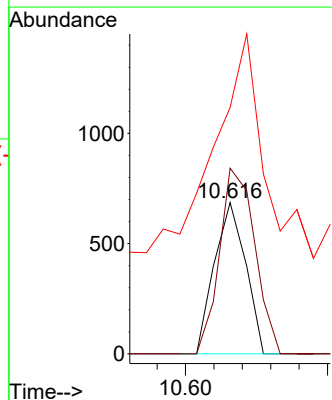
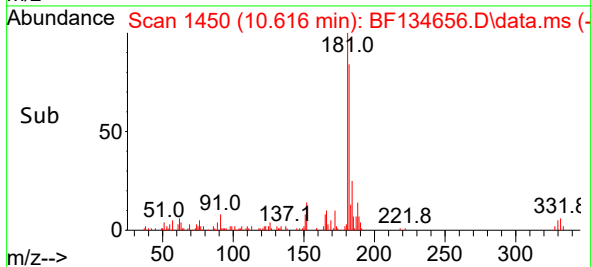
Tgt Ion:164 Resp: 376276
Ion Ratio Lower Upper
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162 105.2 82.6 123.8
160 46.0 37.2 55.8

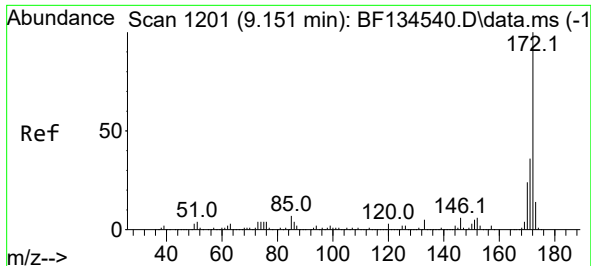


#42
2,4,6-Tribromophenol
Concen: 0.136 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14



Tgt Ion:330 Resp: 523
Ion Ratio Lower Upper
330 100
332 139.4 78.8 118.2#
141 234.6 25.4 38.2#

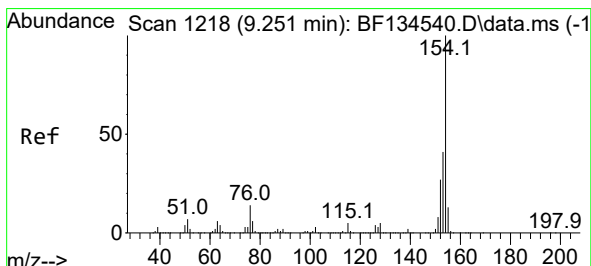
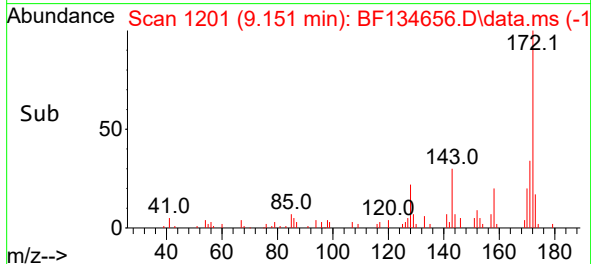
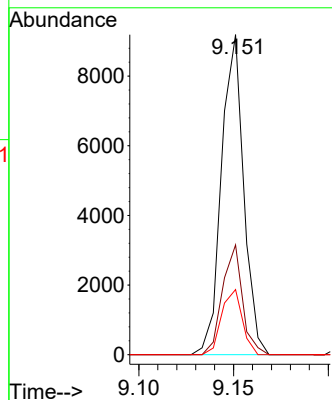
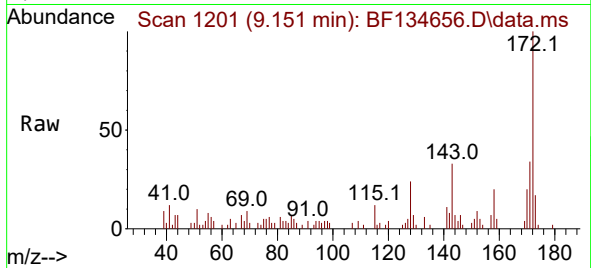




#45
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

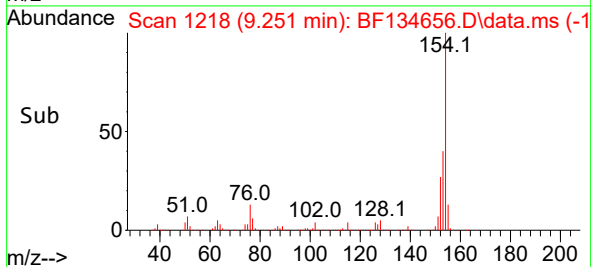
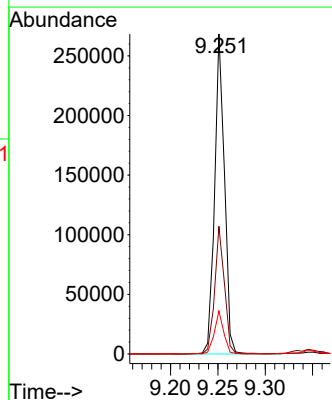
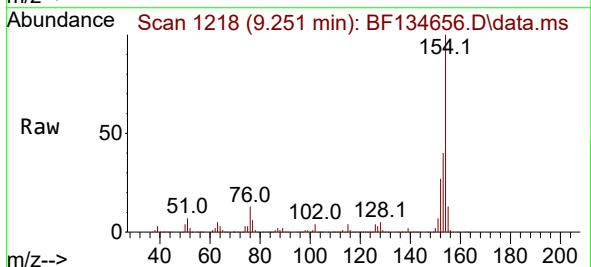
Instrument :
BNA_N
ClientSampleId :

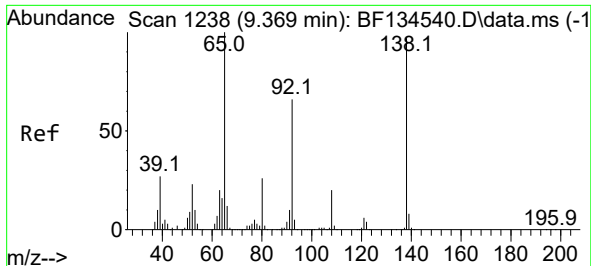
Tgt Ion:172 Resp: 7502
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 20.3 18.7 28.1



#46
1,1'-Biphenyl
Concen: 6.608 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:154 Resp: 193348
Ion Ratio Lower Upper
154 100
153 39.9 20.8 60.8
76 13.4 0.0 30.2

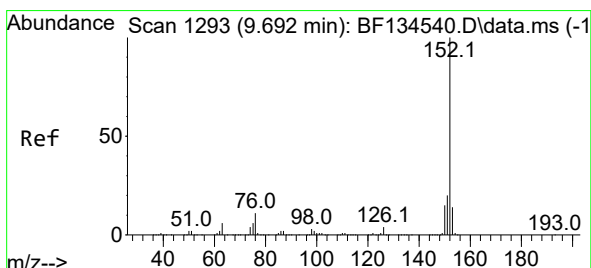
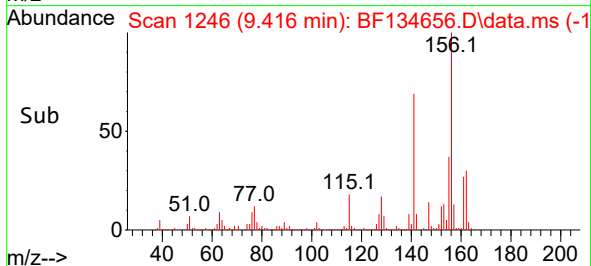
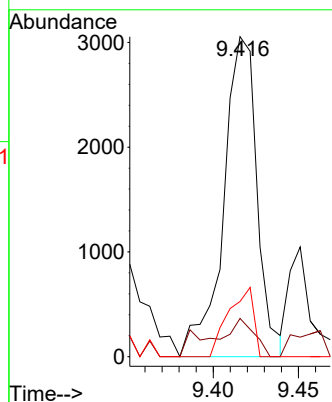
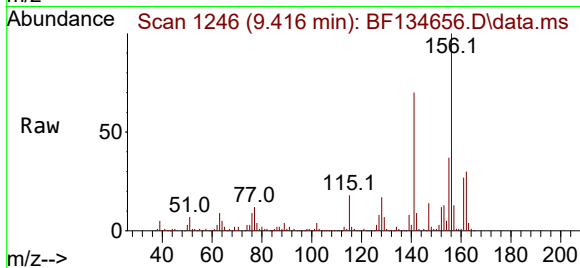




#48
2-Nitroaniline
Concen: 3.740 ng
RT: 9.416 min Scan# 1246
Delta R.T. 0.035 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

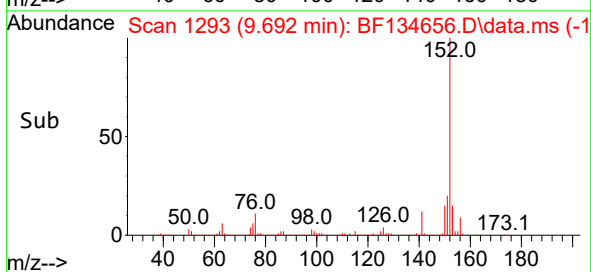
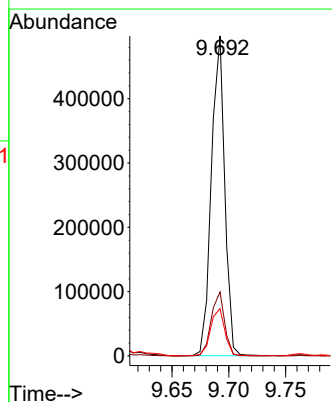
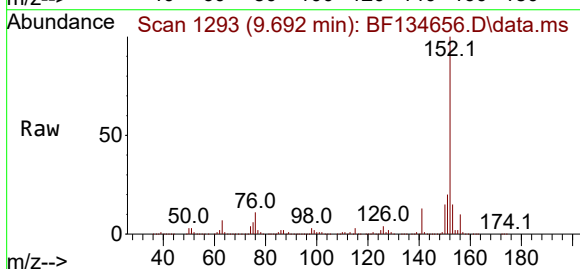
Instrument :
BNA_N
ClientSampleId :

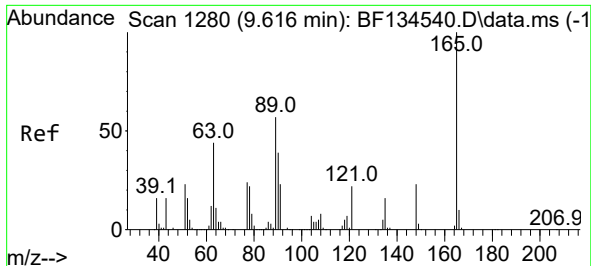
Tgt Ion: 65 Resp: 4200
Ion Ratio Lower Upper
65 100
92 11.9 50.7 76.1#
138 17.3 78.2 117.4#



#49
Acenaphthylene
Concen: 11.781 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion: 152 Resp: 406000
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.8 10.9 16.3





#51

2,6-Dinitrotoluene

Concen: 3.253 ng

RT: 9.527 min Scan# 11

Delta R.T. -0.100 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

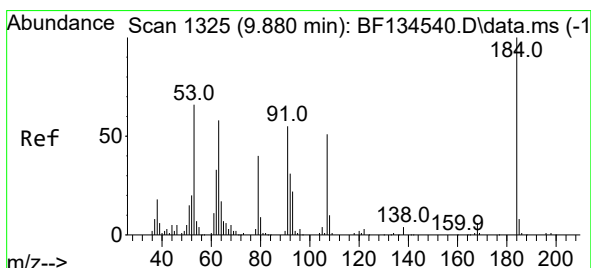
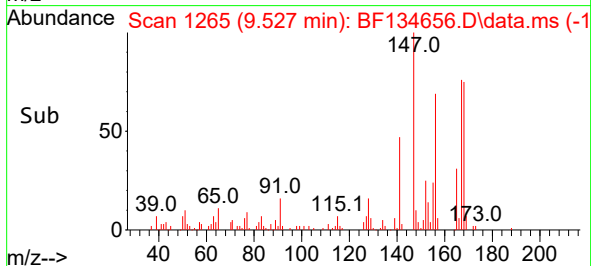
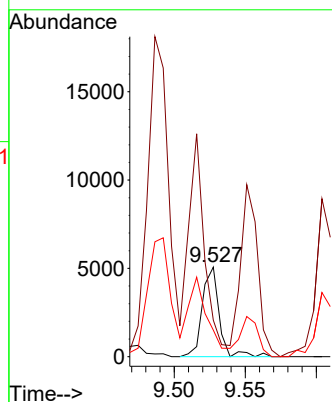
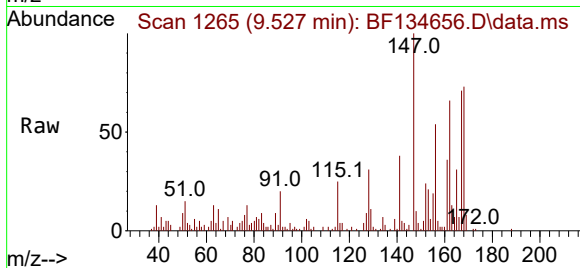
Tgt Ion:165 Resp: 4198

Ion Ratio Lower Upper

165 100

63 40.8 57.8 86.6#

89 29.6 51.8 77.8#



#54

2,4-Dinitrophenol

Concen: 6.821 ng

RT: 9.980 min Scan# 1342

Delta R.T. 0.082 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

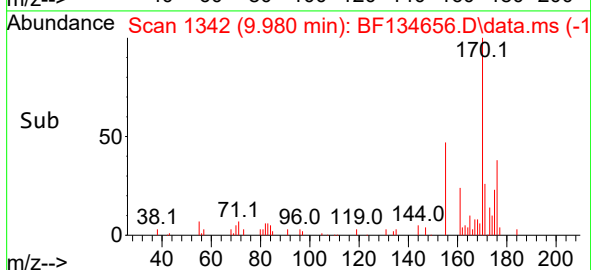
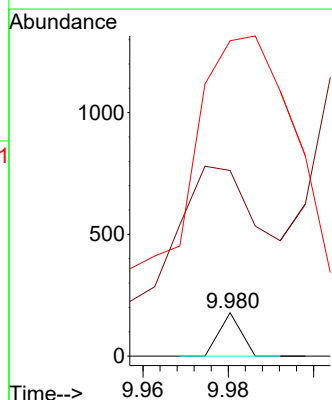
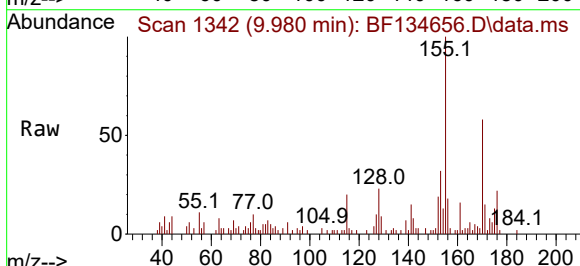
Tgt Ion:184 Resp: 63

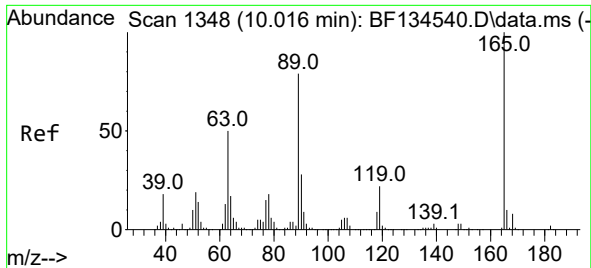
Ion Ratio Lower Upper

184 100

63 428.1 57.1 85.7#

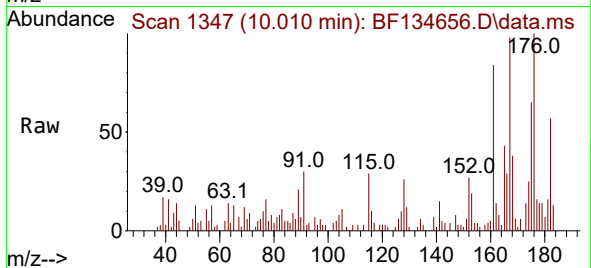
154 727.5 59.1 88.7#



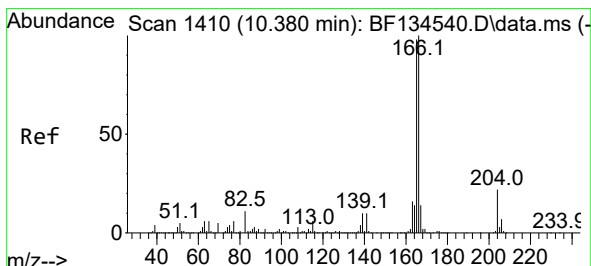
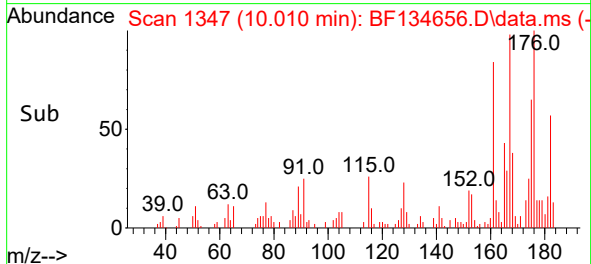
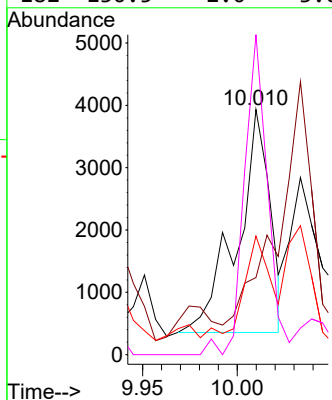


#57
2,4-Dinitrotoluene
Concen: 3.494 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Instrument :
BNA_N
ClientSampleId :

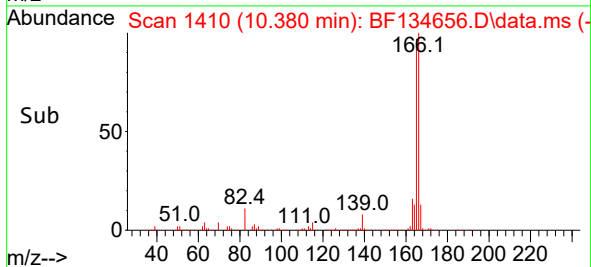
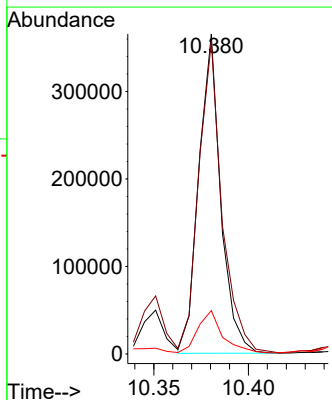
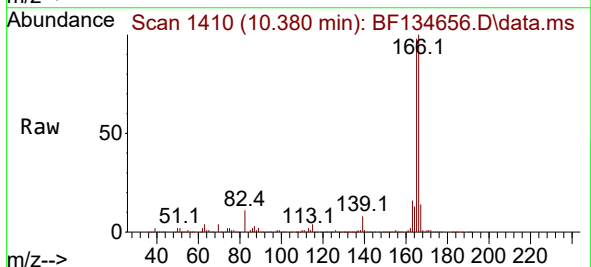


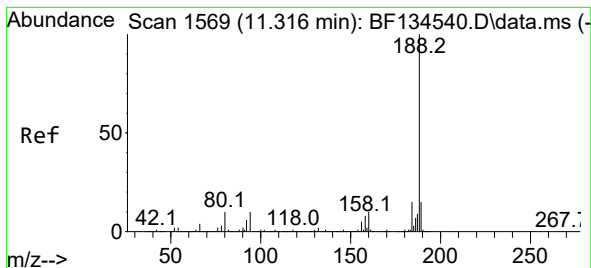
Tgt Ion:165 Resp: 4337
Ion Ratio Lower Upper
165 100
63 31.5 48.9 73.3#
89 48.3 61.7 92.5#
182 130.5 2.0 3.0#



#58
Fluorene
Concen: 12.686 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:166 Resp: 293783
Ion Ratio Lower Upper
166 100
165 97.7 74.5 111.7
167 13.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

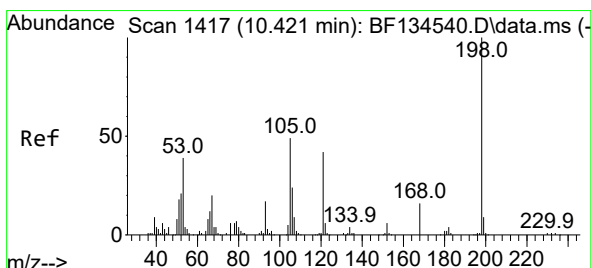
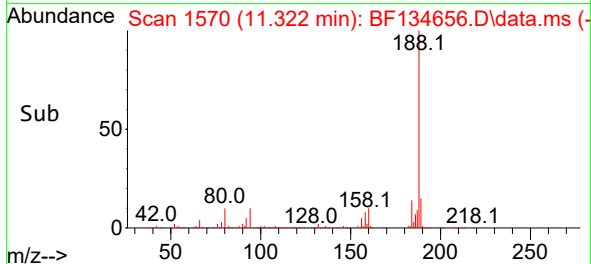
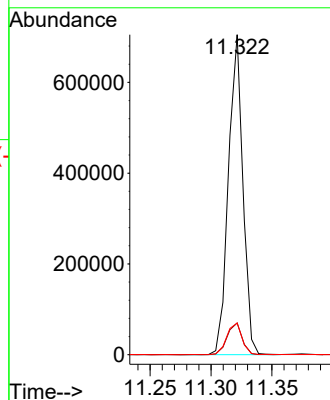
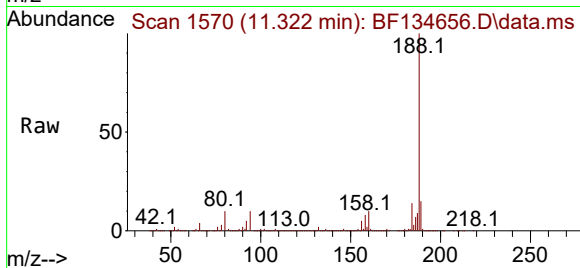
Tgt Ion:188 Resp: 580975

Ion Ratio Lower Upper

188 100

94 9.9 5.1 7.7#

80 9.9 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.718 ng

RT: 10.469 min Scan# 1425

Delta R.T. 0.029 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

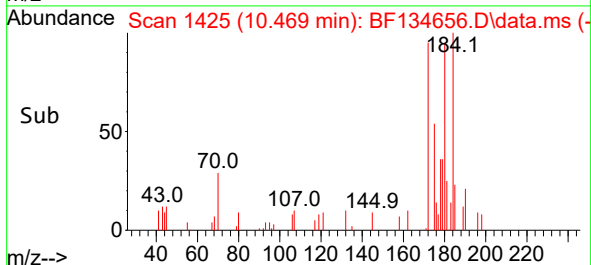
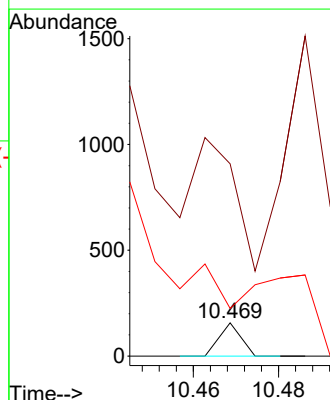
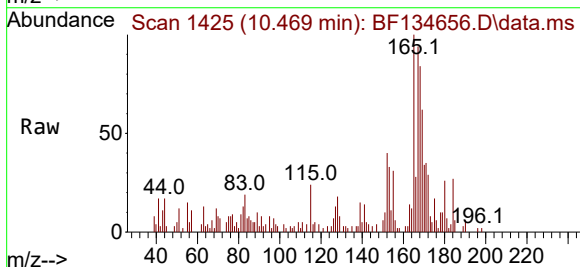
Tgt Ion:198 Resp: 55

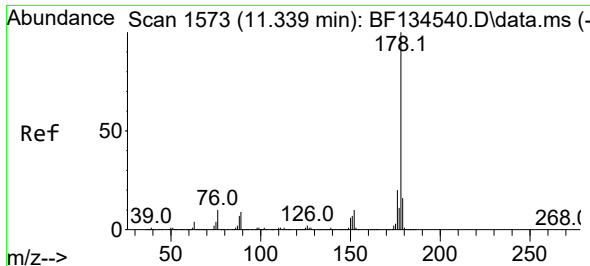
Ion Ratio Lower Upper

198 100

51 579.0 38.6 78.6#

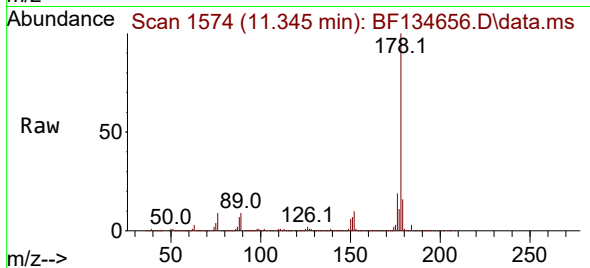
105 143.3 27.9 67.9#



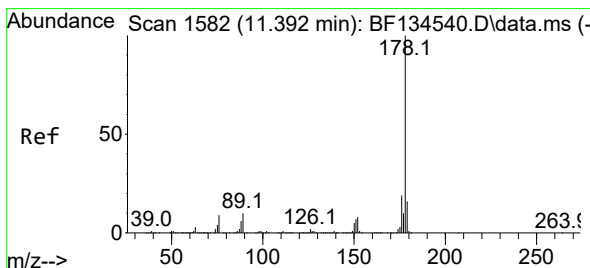
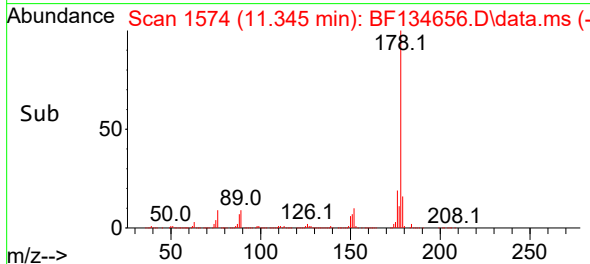
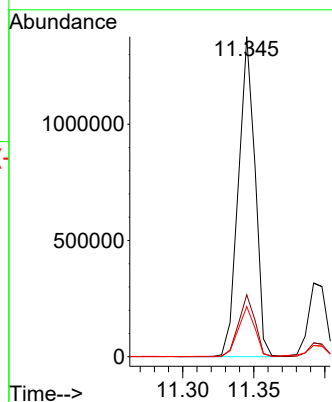


#71
Phenanthrene
Concen: 36.427 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Instrument :
BNA_N
ClientSampleId :

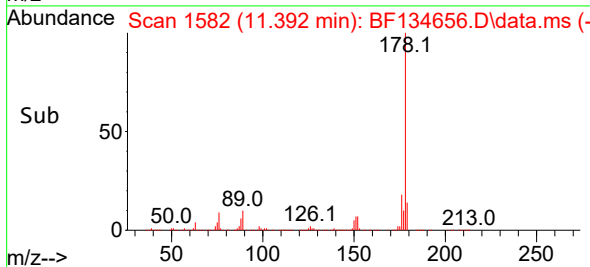
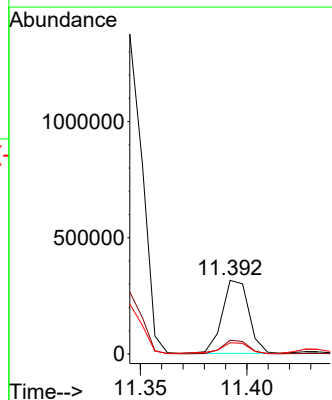
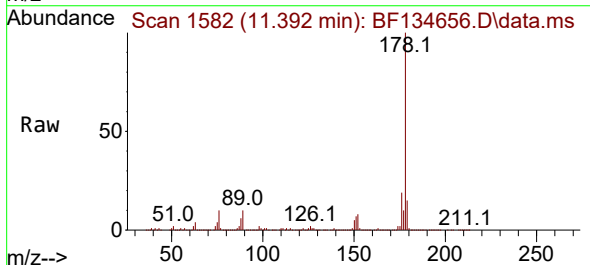


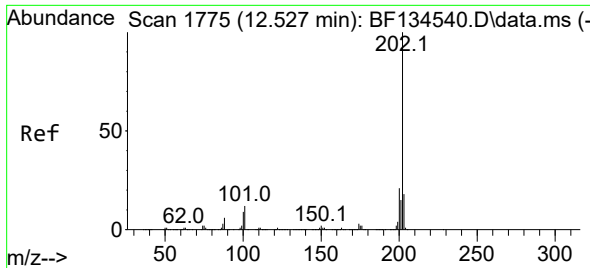
Tgt Ion:178 Resp: 1124089
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.7 19.1



#72
Anthracene
Concen: 8.702 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:178 Resp: 274287
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.2 12.3 18.5

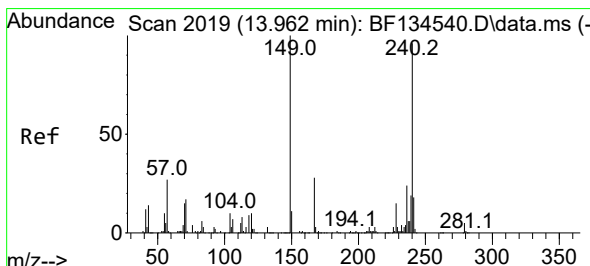
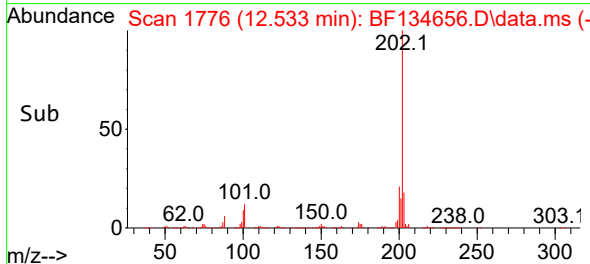
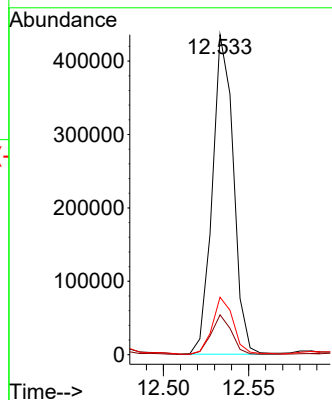
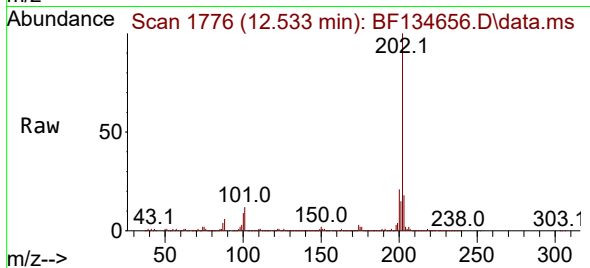




#75
Fluoranthene
Concen: 11.515 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

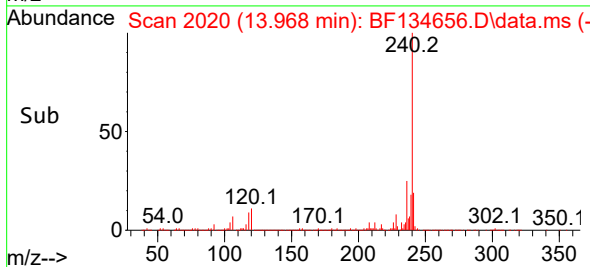
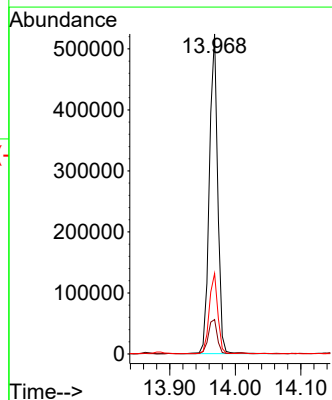
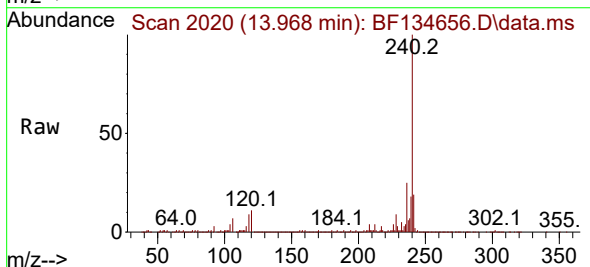
Instrument :
BNA_N
ClientSampleId :

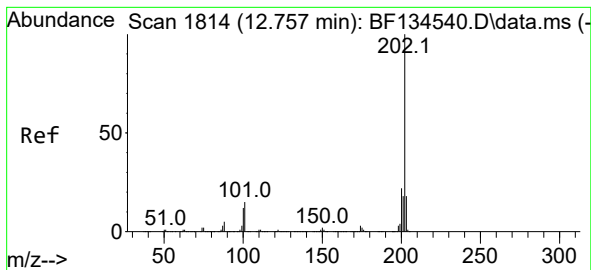
Tgt Ion:202 Resp: 375352
Ion Ratio Lower Upper
202 100
101 12.5 0.0 28.5
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Tgt Ion:240 Resp: 462440
Ion Ratio Lower Upper
240 100
120 10.8 6.6 10.0#
236 25.2 20.2 30.2





#78

Pyrene

Concen: 16.279 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

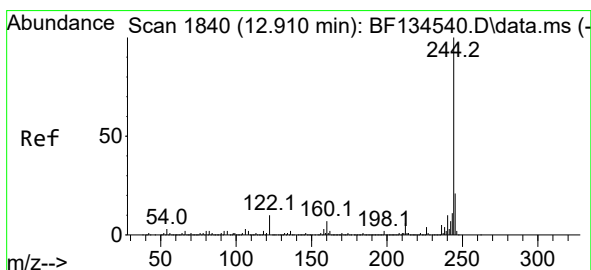
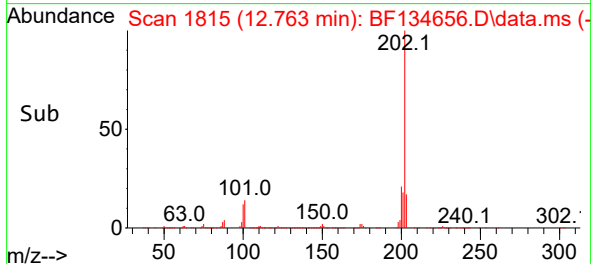
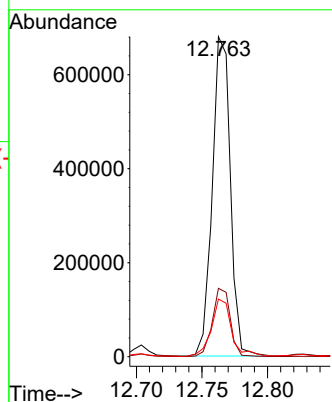
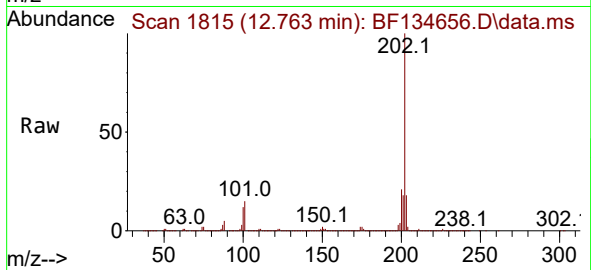
Tgt Ion:202 Resp: 651433

Ion Ratio Lower Upper

202 100

200 21.4 15.8 23.8

203 18.0 13.5 20.3



#79

Terphenyl-d14

Concen: 0.290 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

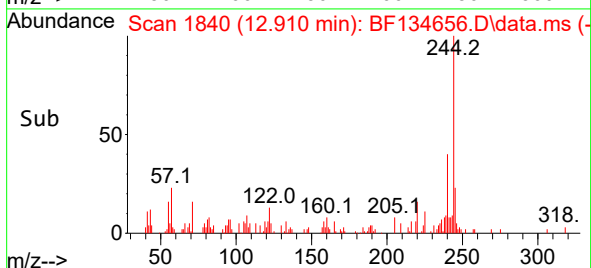
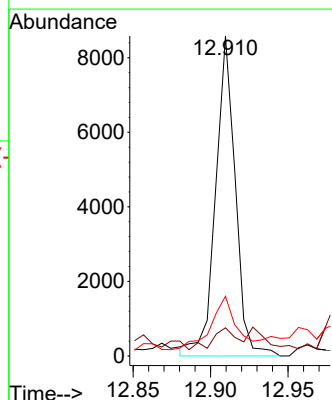
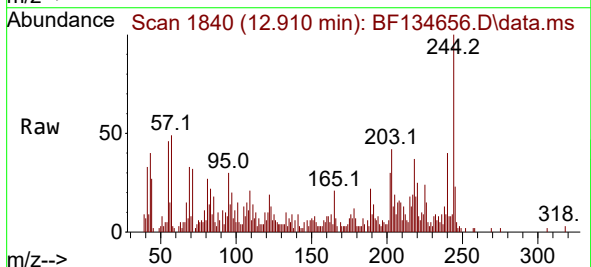
Tgt Ion:244 Resp: 7610

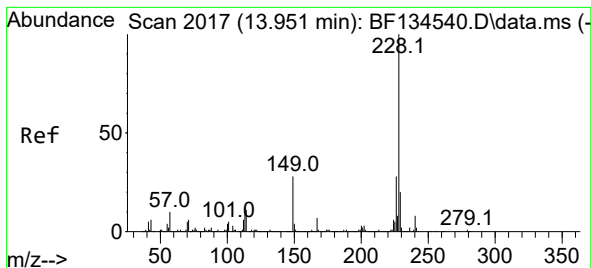
Ion Ratio Lower Upper

244 100

212 8.8 5.6 8.4#

122 18.6 8.0 12.0#





#81

Benzo(a)anthracene

Concen: 7.030 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

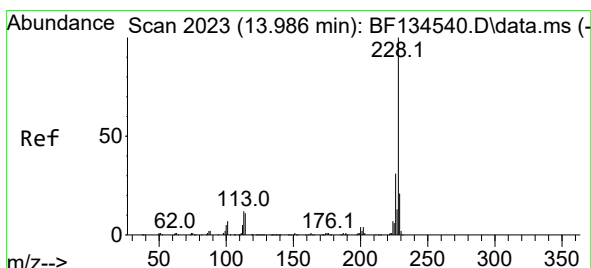
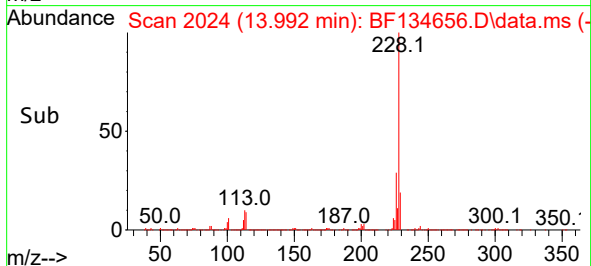
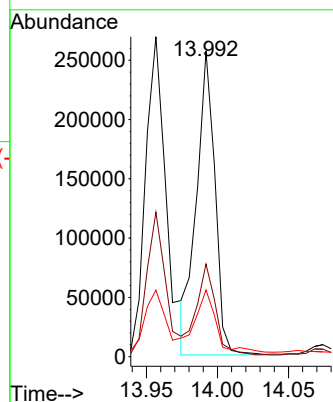
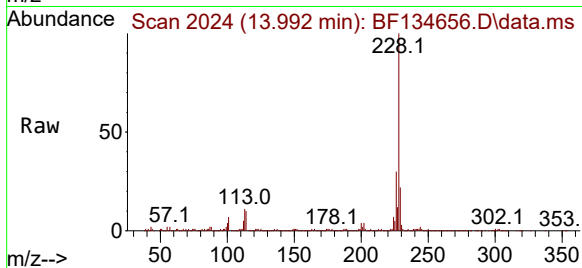
Tgt Ion:228 Resp: 232447

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

229 21.8 15.8 23.6



#83

Chrysene

Concen: 7.215 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

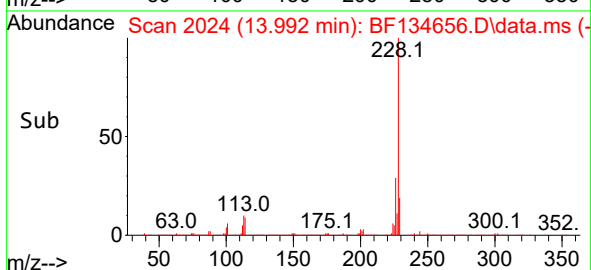
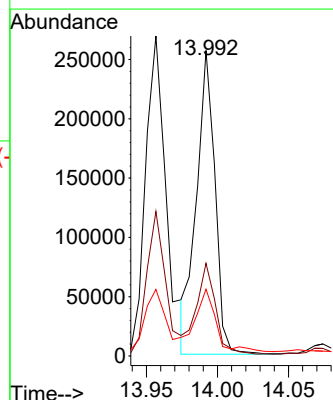
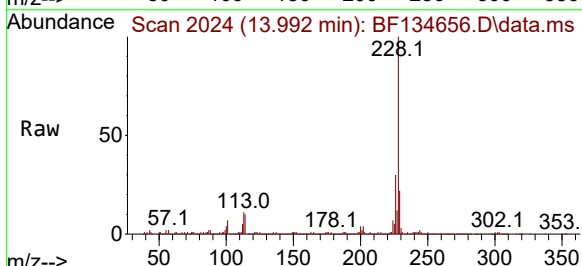
Tgt Ion:228 Resp: 232447

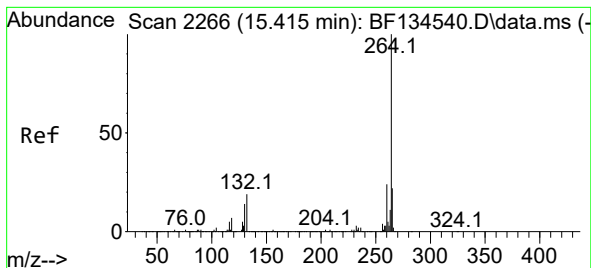
Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF134656.D

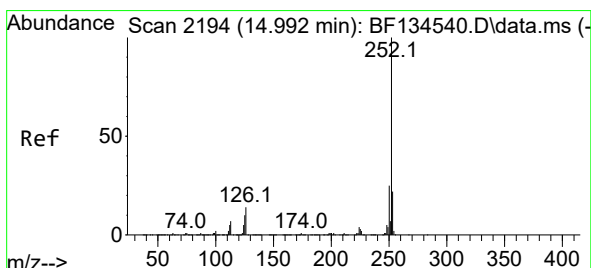
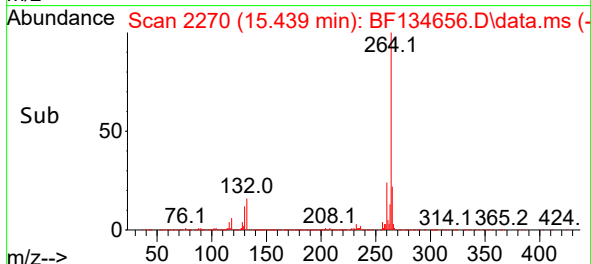
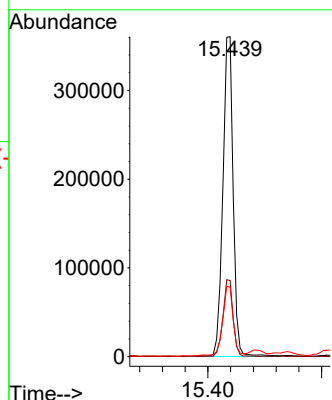
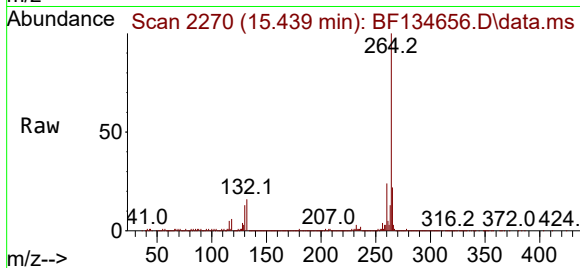
Acq: 07 Aug 2023 16:14

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:264	Resp: 456004
Ion Ratio	Lower Upper
264	100
260	23.8 18.4 27.6
265	21.8 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 7.551 ng

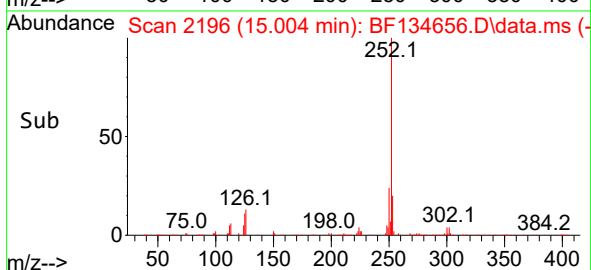
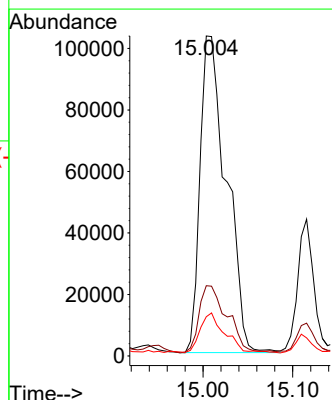
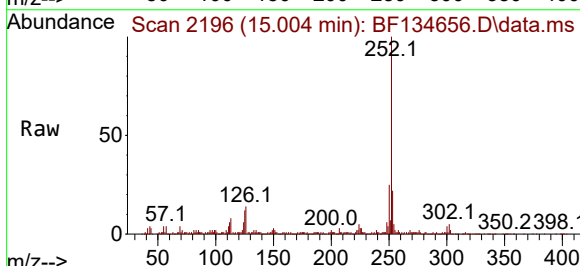
RT: 15.004 min Scan# 2196

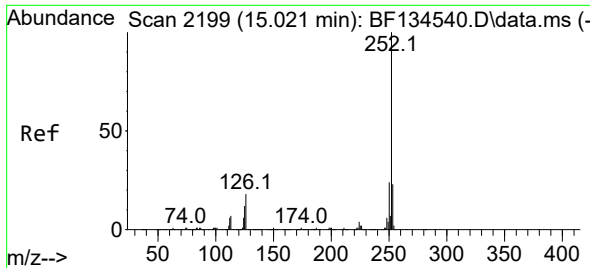
Delta R.T. -0.006 min

Lab File: BF134656.D

Acq: 07 Aug 2023 16:14

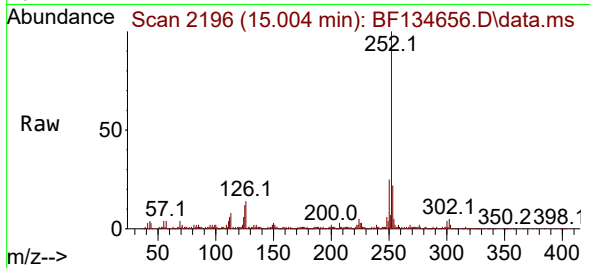
Tgt Ion:252	Resp: 210016
Ion Ratio	Lower Upper
252	100
253	22.0 17.3 25.9
125	12.3 6.0 9.0#



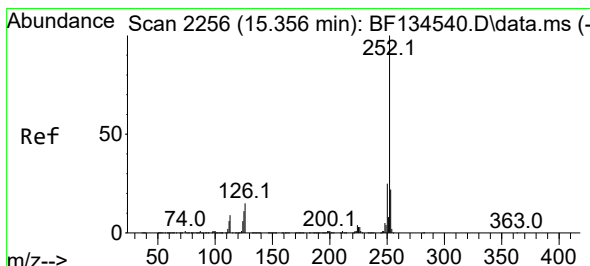
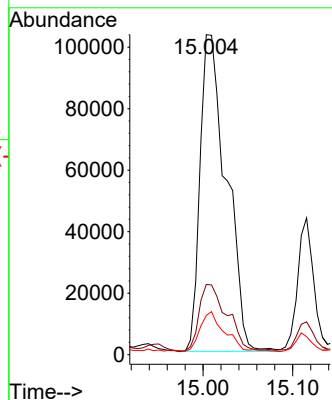
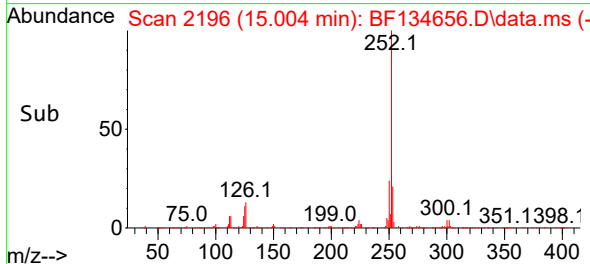


#89
Benzo(k)fluoranthene
Concen: 7.581 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

Instrument :
BNA_N
ClientSampleId :

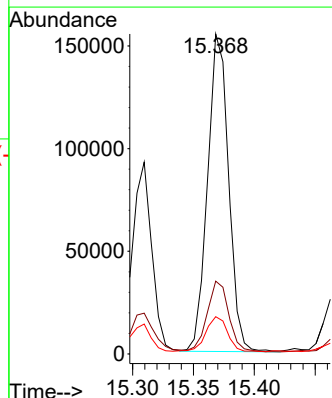
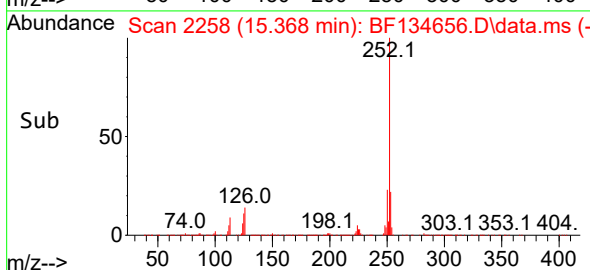
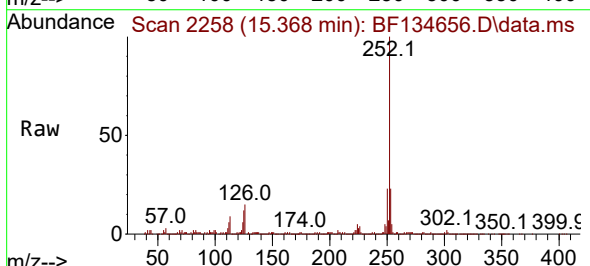


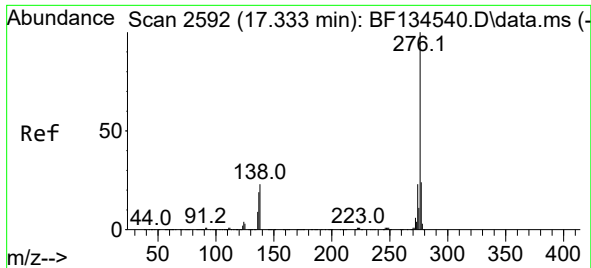
Tgt Ion:252 Resp: 210016
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 12.3 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 7.174 ng
RT: 15.368 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF134656.D
Acq: 07 Aug 2023 16:14

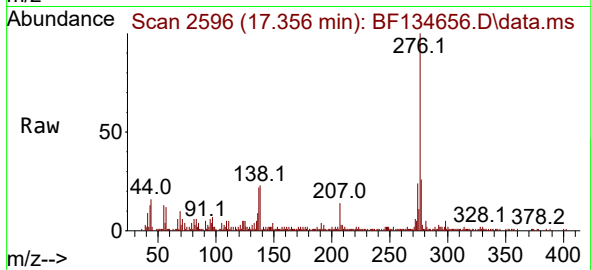
Tgt Ion:252 Resp: 186031
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 11.7 6.2 9.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.576 ng
 RT: 17.356 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF134656.D
 Acq: 07 Aug 2023 16:14

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:276 Resp: 56944
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.0 28.6
 138 22.9 12.2 18.2#

