

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134276.D
 Acq On : 13 Jul 2023 23:18
 Operator : CG\JU
 Sample : 03565-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 13 23:41:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

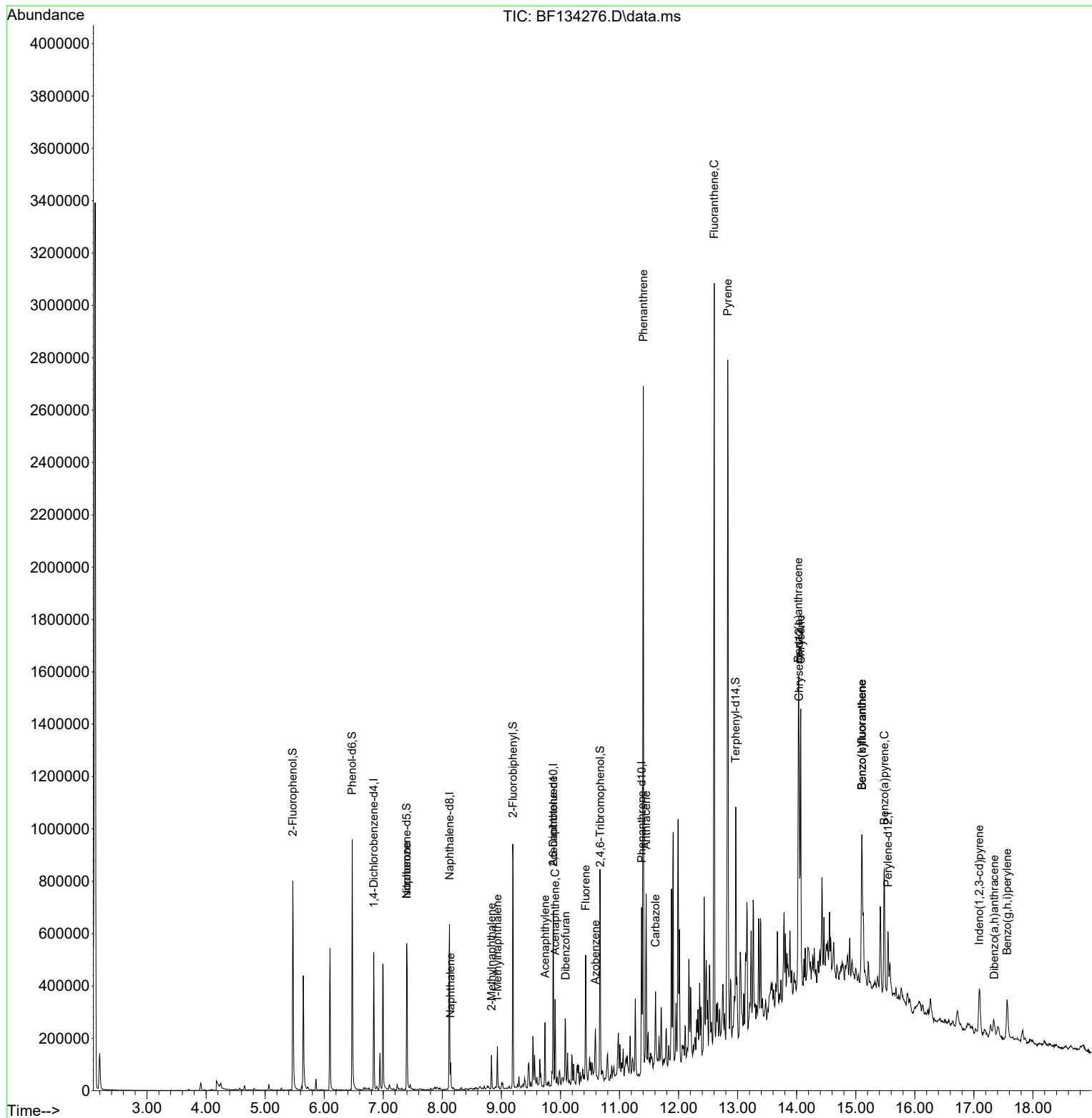
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	70535	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	262028	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	130898	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	237437	20.000	ng	0.00
76) Chrysene-d12	14.039	240	157288	20.000	ng	0.00
86) Perylene-d12	15.545	264	114268	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	218458	51.808	ng	0.00
7) Phenol-d6	6.475	99	261965	50.517	ng	-0.01
23) Nitrobenzene-d5	7.398	82	166317	34.215	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	86755	52.861	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	277740	30.849	ng	0.00
79) Terphenyl-d14	12.969	244	261701	26.778	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.475	77	541	Below Cal	#	1
25) Isophorone	7.398	82	166317	18.826	ng	# 64
31) Naphthalene	8.139	128	34640	2.737	ng	98
37) 2-Methylnaphthalene	8.833	142	29633	3.311	ng	99
38) 1-Methylnaphthalene	8.933	142	36020	4.329	ng	92
49) Acenaphthylene	9.739	152	78482	5.980	ng	96
51) 2,6-Dinitrotoluene	9.880	165	19468	9.513	ng	# 24
52) Acenaphthene	9.910	154	60626	7.961	ng	99
55) Dibenzofuran	10.086	168	69674	5.854	ng	# 96
58) Fluorene	10.427	166	123606	13.350	ng	99
63) Azobenzene	10.592	77	23769	2.538	ng	# 1
71) Phenanthrene	11.404	178	956370	80.011	ng	99
72) Anthracene	11.451	178	226579	18.225	ng	99
73) Carbazole	11.610	167	102347	8.994	ng	97
75) Fluoranthene	12.604	202	1157493	89.574	ng	98
78) Pyrene	12.833	202	1196794	81.761	ng	100
81) Benzo(a)anthracene	14.027	228	449860	41.240	ng	97
83) Chrysene	14.068	228	434990	41.172	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	126493	15.953	ng	95
88) Benzo(b)fluoranthene	15.104	252	435189	64.769	ng	97
89) Benzo(k)fluoranthene	15.104	252	435189	63.615	ng	97
90) Benzo(a)pyrene	15.486	252	243950	37.547	ng	96
91) Dibenzo(a,h)anthracene	17.345	278	20204	3.120	ng	97
92) Benzo(g,h,i)perylene	17.562	276	138095	20.677	ng	98

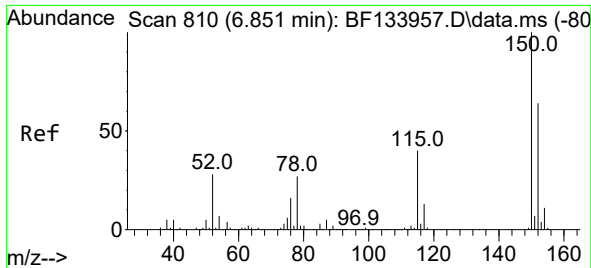
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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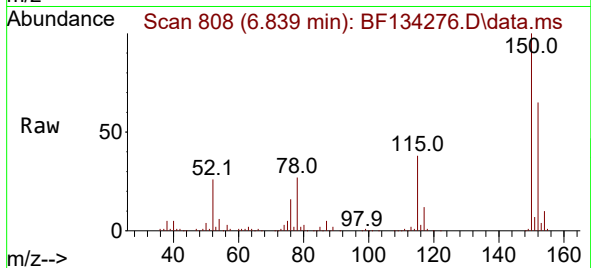
Quant Time: Jul 13 23:41:36 2023
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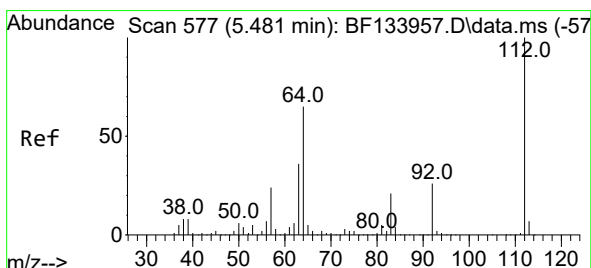
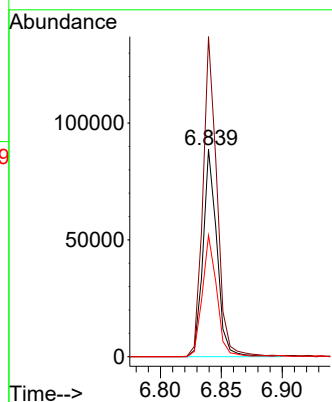
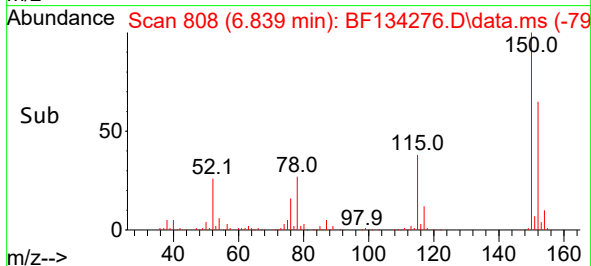


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

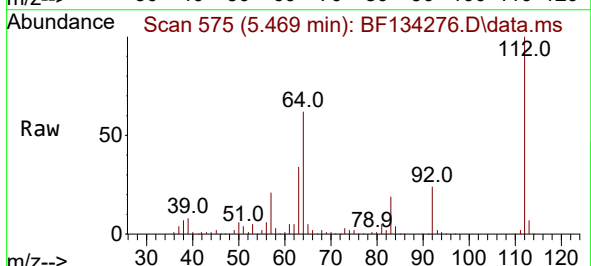
Instrument :
BNA_G
ClientSampleId :



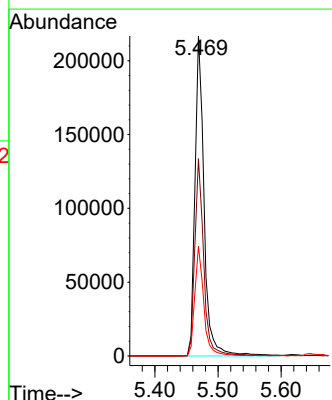
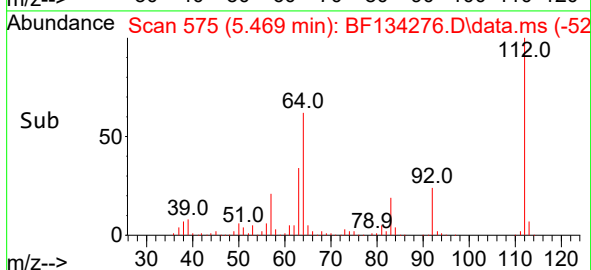
Tgt Ion:152 Resp: 70535
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.6 50.2 75.2

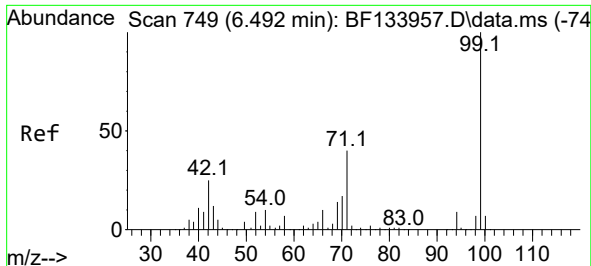


#5
2-Fluorophenol
Concen: 51.808 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18



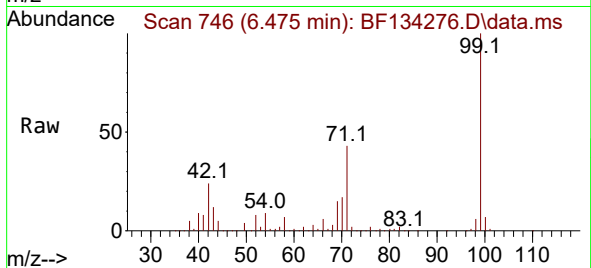
Tgt Ion:112 Resp: 218458
Ion Ratio Lower Upper
112 100
64 61.6 52.1 78.1
63 34.3 28.6 42.8



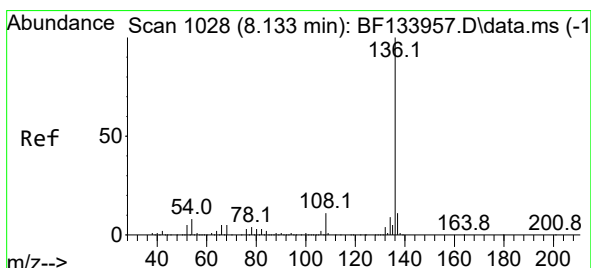
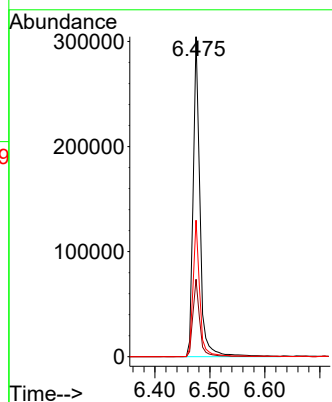
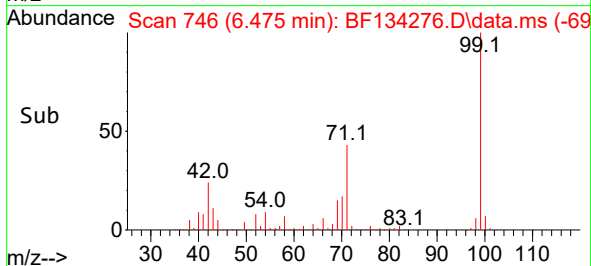


#7
Phenol-d6
Concen: 50.517 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

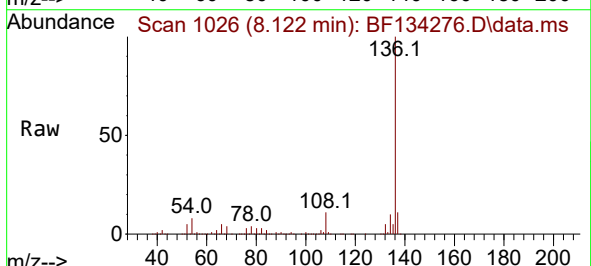
Instrument :
BNA_G
ClientSampleId :



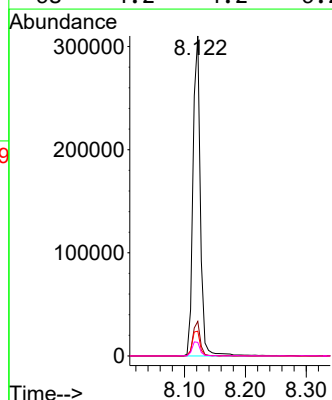
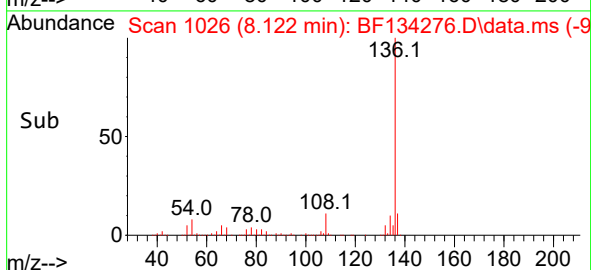
Tgt Ion: 99 Resp: 261965
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 42.6 31.9 47.9

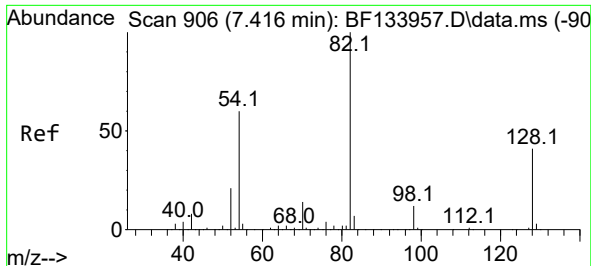


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18



Tgt Ion: 136 Resp: 262028
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.8 6.5 9.7
68 4.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 34.215 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

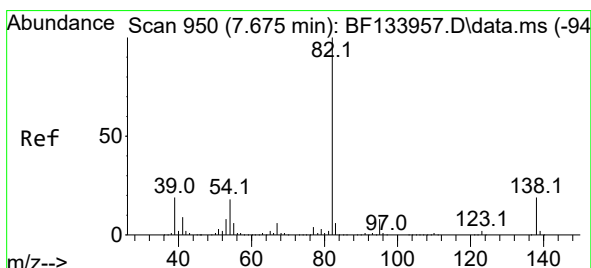
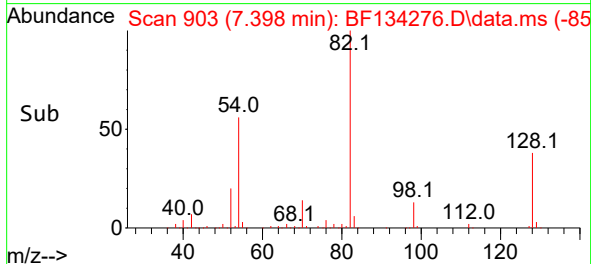
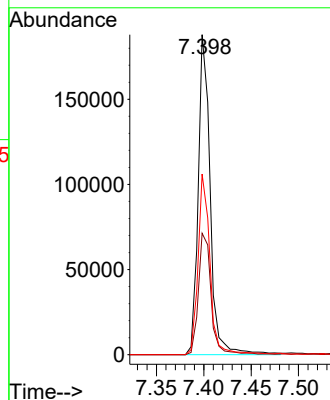
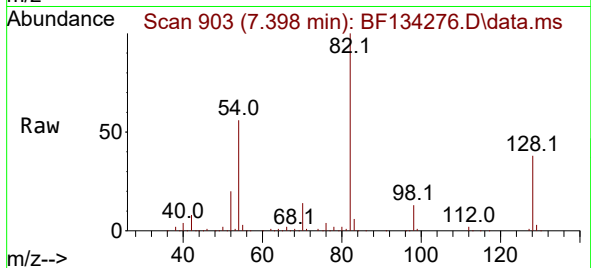
Tgt Ion: 82 Resp: 166317

Ion Ratio Lower Upper

82 100

128 38.0 32.5 48.7

54 56.5 48.2 72.2



#25

Isophorone

Concen: 18.826 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

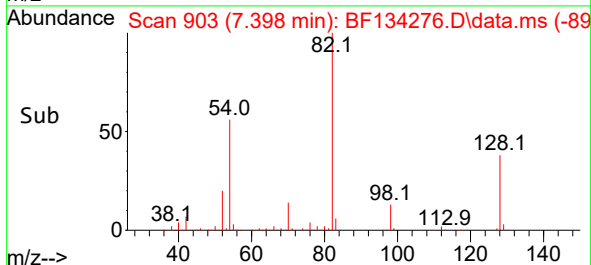
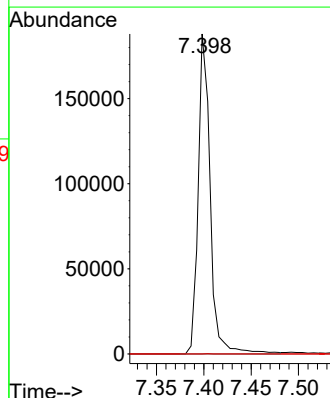
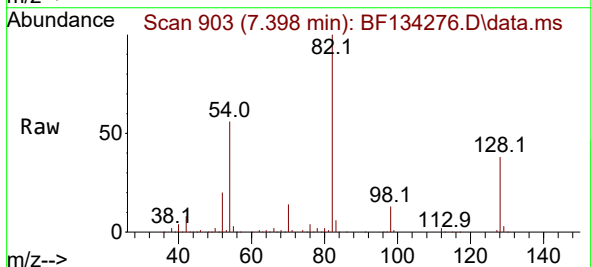
Tgt Ion: 82 Resp: 166317

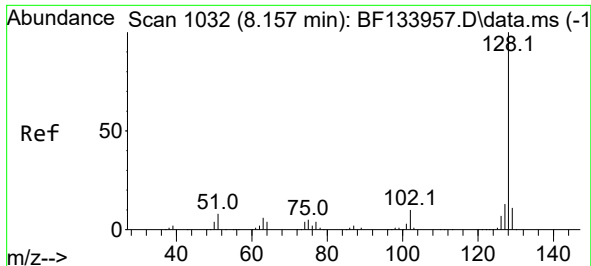
Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

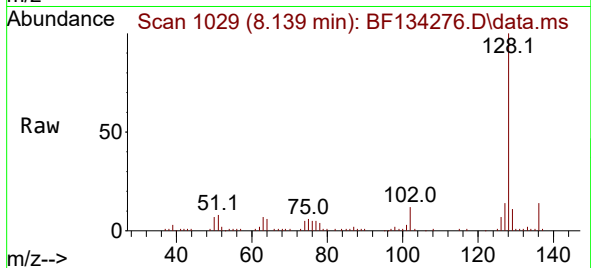
138 0.0 15.2 22.8#



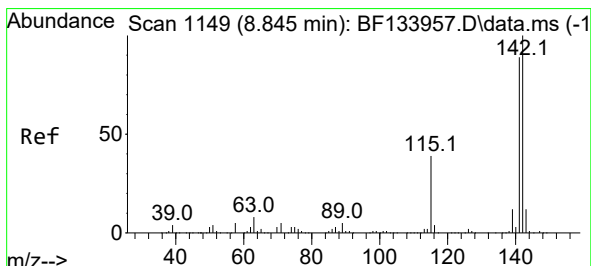
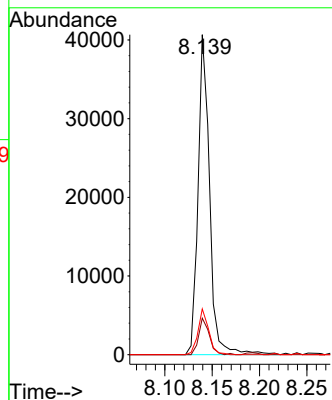
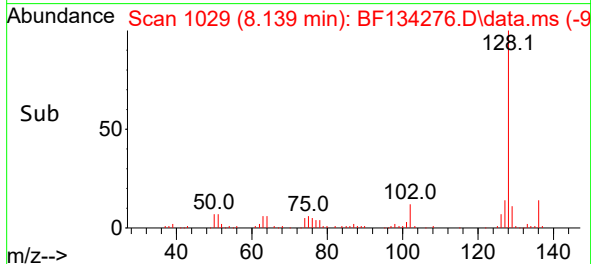


#31
Naphthalene
Concen: 2.737 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Instrument :
BNA_G
ClientSampleId :

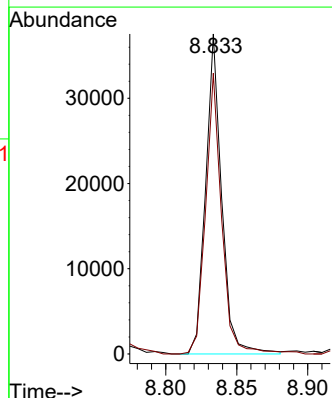
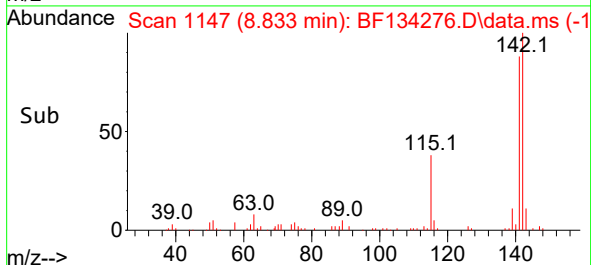
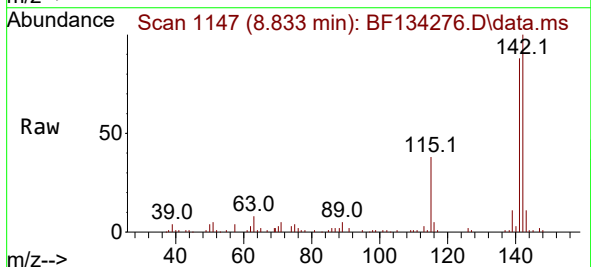


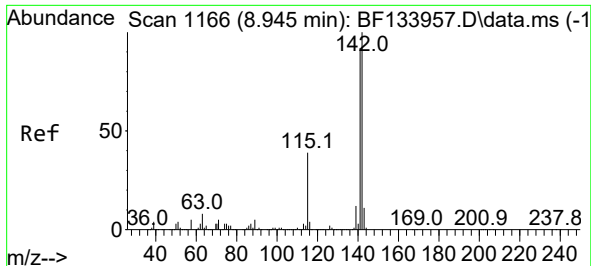
Tgt Ion:128 Resp: 34640
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 14.3 10.6 15.8



#37
2-Methylnaphthalene
Concen: 3.311 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Tgt Ion:142 Resp: 29633
Ion Ratio Lower Upper
142 100
141 87.8 71.0 106.4

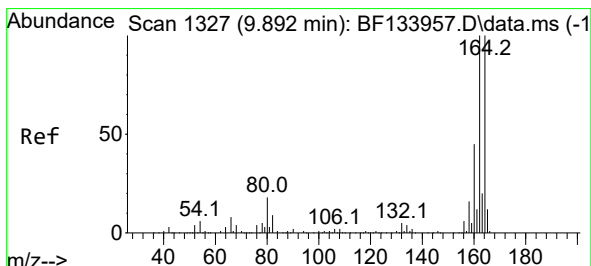
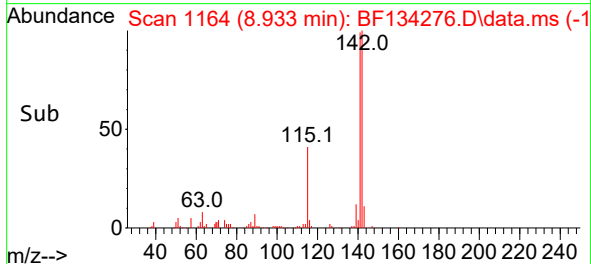
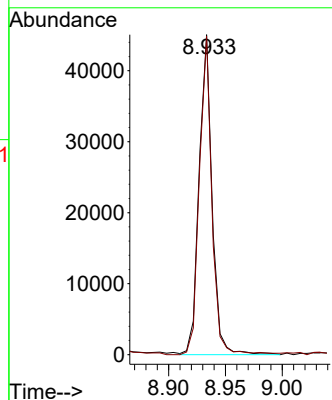
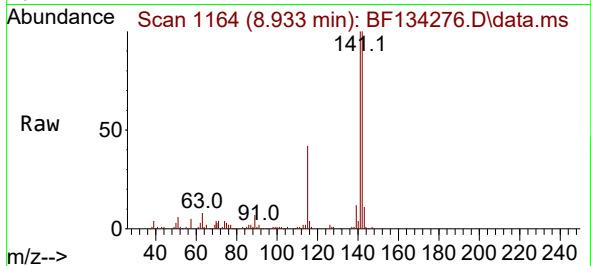




#38
1-Methylnaphthalene
Concen: 4.329 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

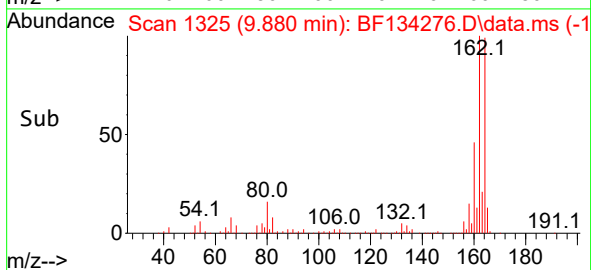
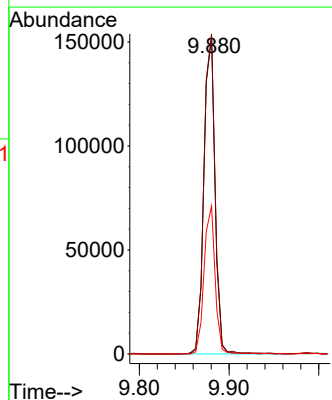
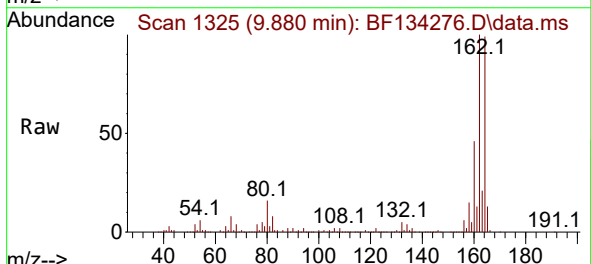
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BNA_G
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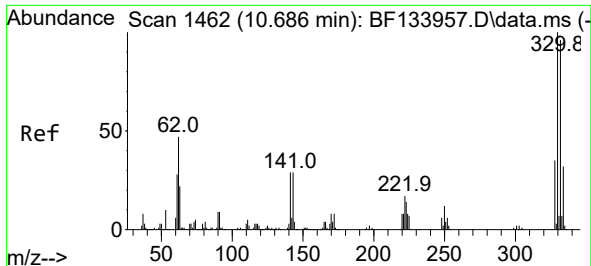
Tgt Ion:142 Resp: 36020
Ion Ratio Lower Upper
142 100
141 99.5 73.5 110.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

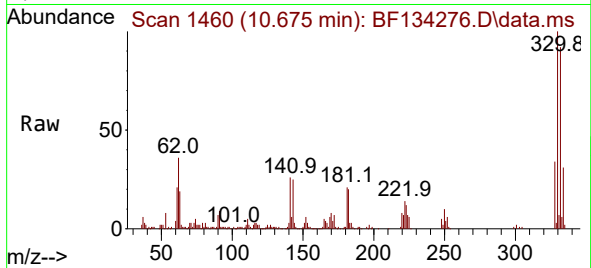
Tgt Ion:164 Resp: 130898
Ion Ratio Lower Upper
164 100
162 100.9 80.0 120.0
160 46.7 35.9 53.9



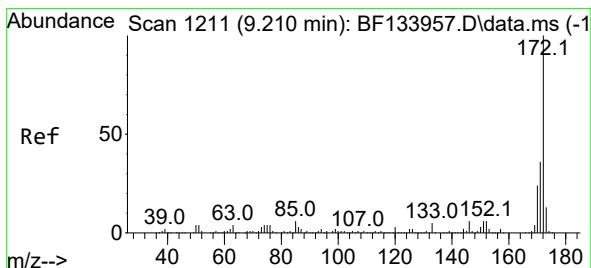
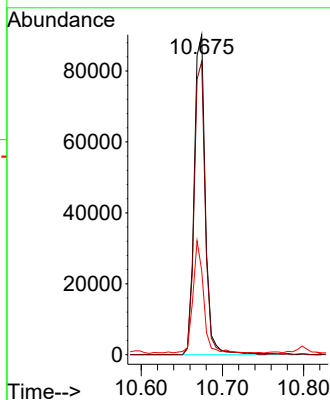
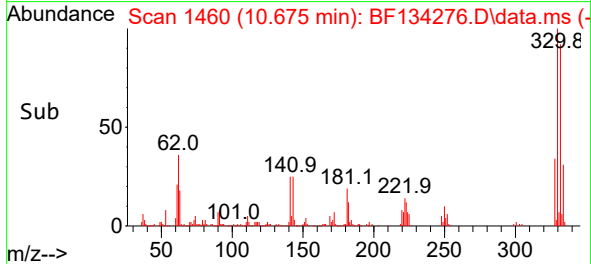


#42
 2,4,6-Tribromophenol
 Concen: 52.861 ng
 RT: 10.675 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF134276.D
 Acq: 13 Jul 2023 23:18

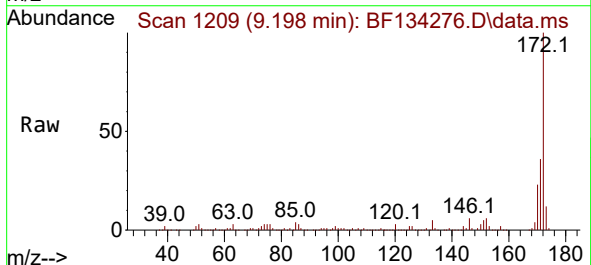
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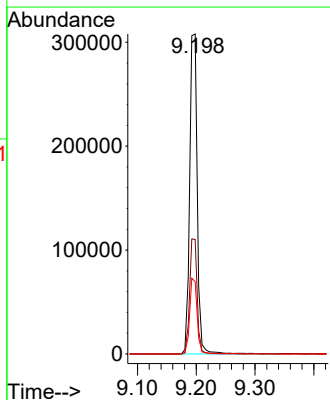
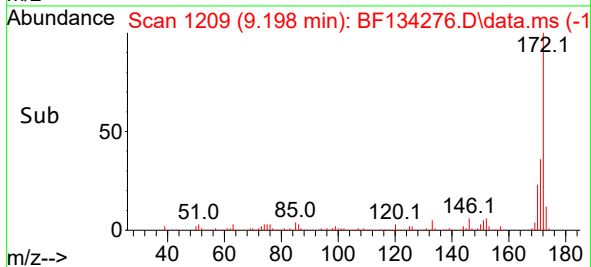
Tgt Ion:330 Resp: 86755
 Ion Ratio Lower Upper
 330 100
 332 91.2 77.0 115.6
 141 34.5 26.3 39.5

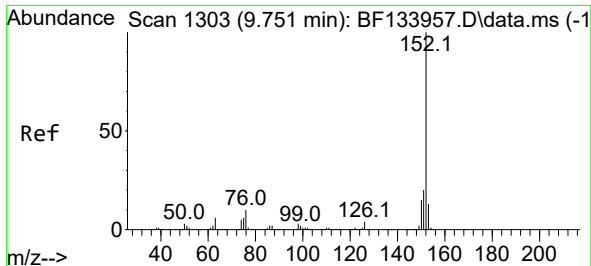


#45
 2-Fluorobiphenyl
 Concen: 30.849 ng
 RT: 9.198 min Scan# 1209
 Delta R.T. -0.006 min
 Lab File: BF134276.D
 Acq: 13 Jul 2023 23:18



Tgt Ion:172 Resp: 277740
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 22.6 19.4 29.0





#49

Acenaphthylene

Concen: 5.980 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

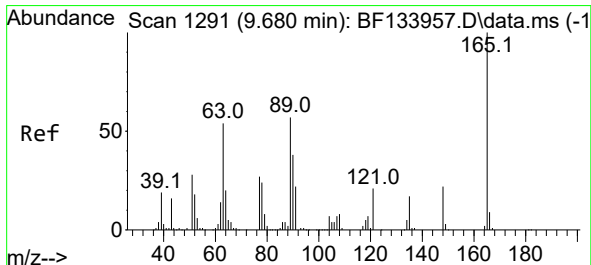
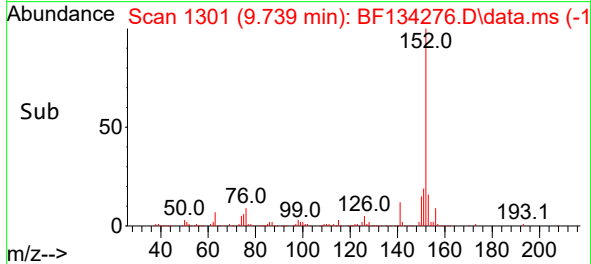
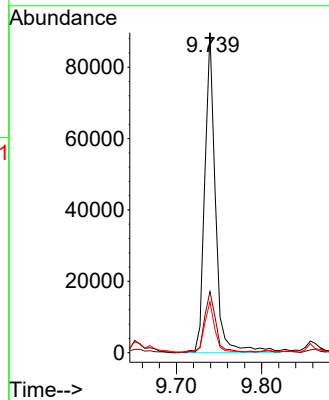
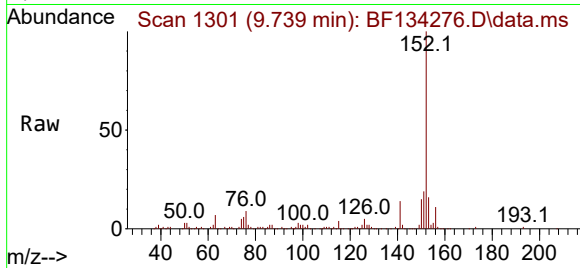
Tgt Ion:152 Resp: 78482

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.2

153 15.9 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 9.513 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

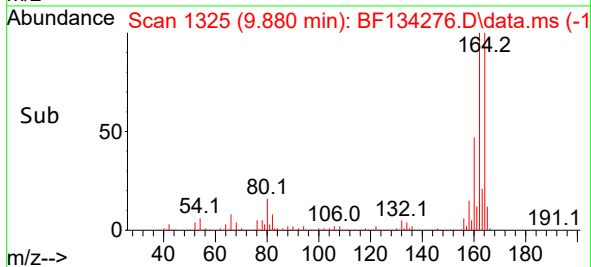
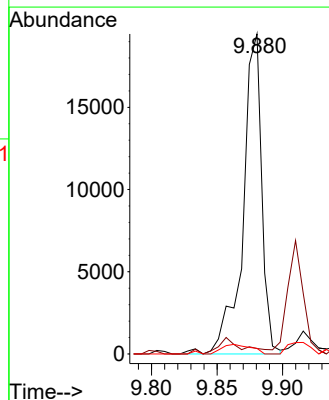
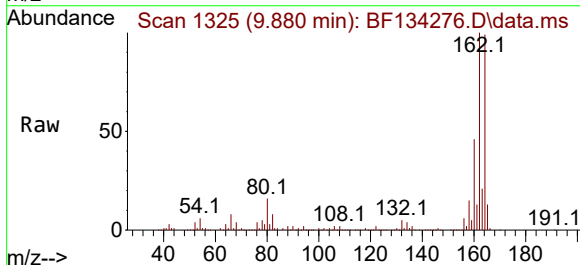
Tgt Ion:165 Resp: 19468

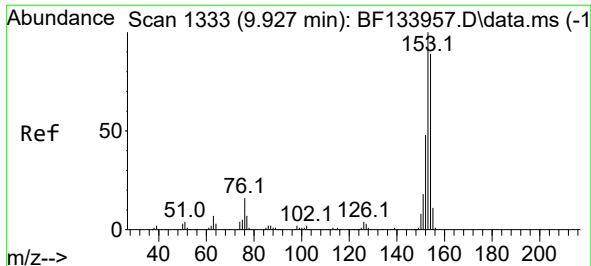
Ion Ratio Lower Upper

165 100

63 1.7 48.5 72.7#

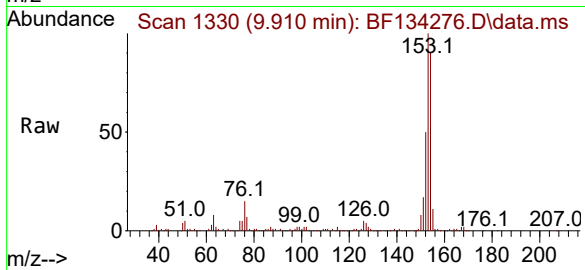
89 1.7 45.5 68.3#



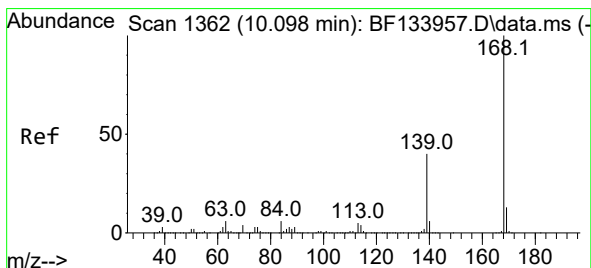
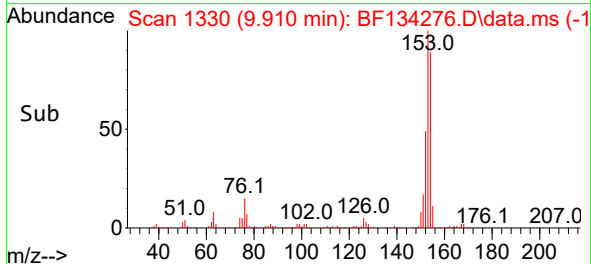
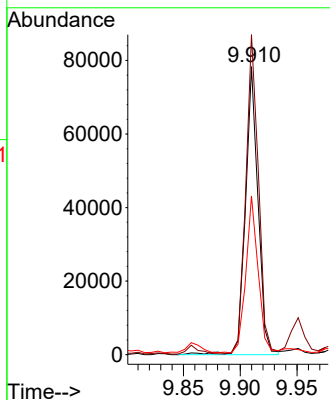


#52
Acenaphthene
Concen: 7.961 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Instrument :
BNA_G
ClientSampleId :

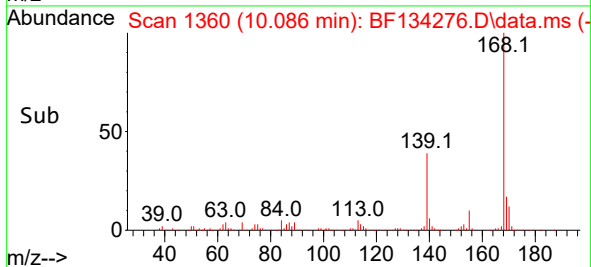
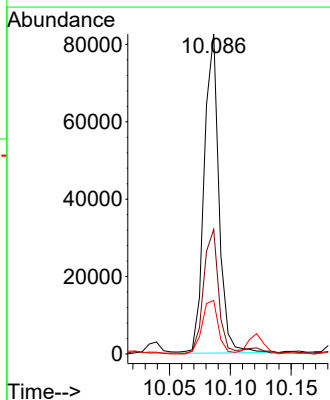
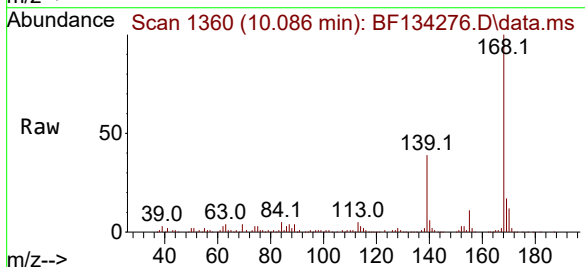


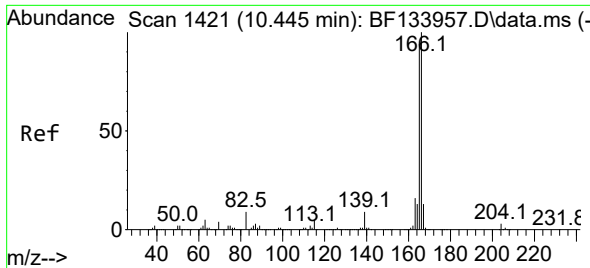
Tgt Ion:154 Resp: 60626
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.2
152 55.1 42.8 64.2



#55
Dibenzofuran
Concen: 5.854 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

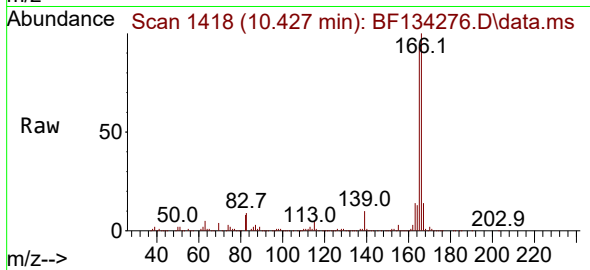
Tgt Ion:168 Resp: 69674
Ion Ratio Lower Upper
168 100
139 38.9 32.0 48.0
169 16.8 10.6 16.0#



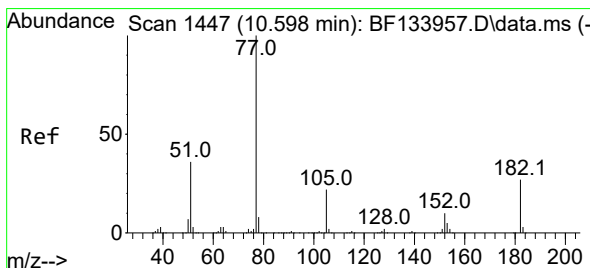
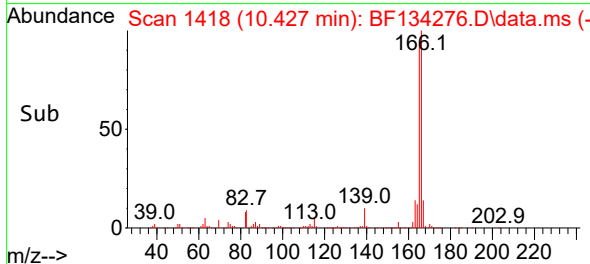
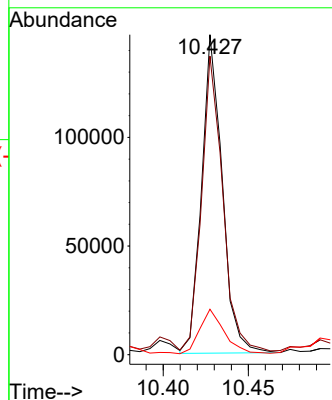


#58
Fluorene
Concen: 13.350 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Instrument :
BNA_G
ClientSampleId :

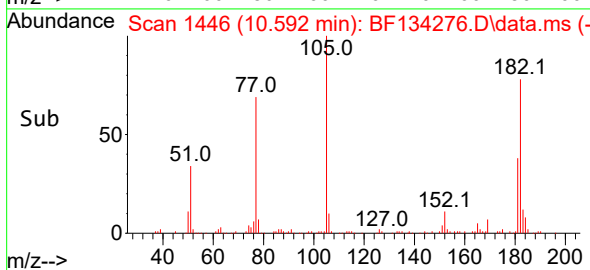
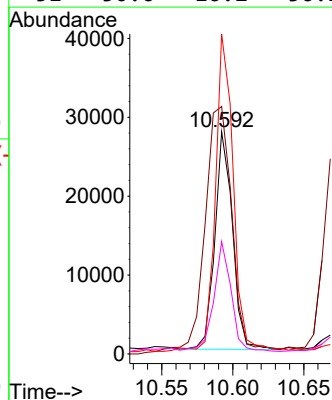
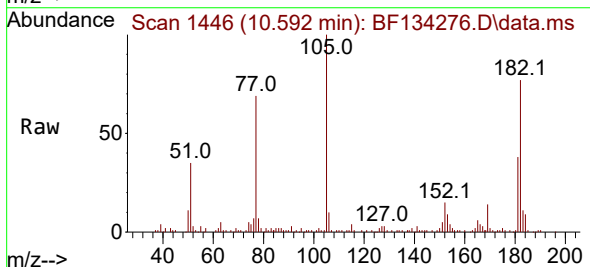


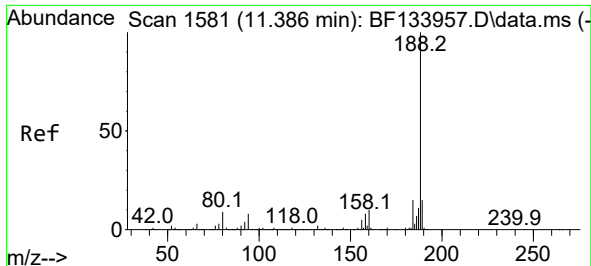
Tgt Ion:166 Resp: 123606
Ion Ratio Lower Upper
166 100
165 93.3 75.0 112.4
167 14.2 10.6 15.8



#63
Azobenzene
Concen: 2.538 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Tgt Ion: 77 Resp: 23769
Ion Ratio Lower Upper
77 100
182 111.4 6.8 46.8#
105 144.0 2.3 42.3#
51 50.6 16.2 56.2

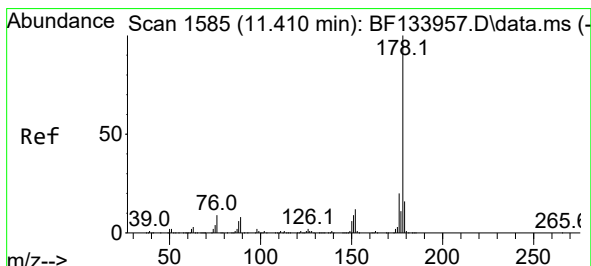
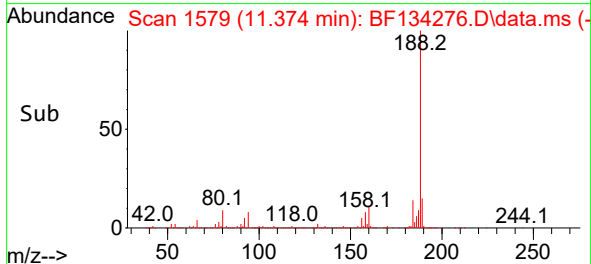
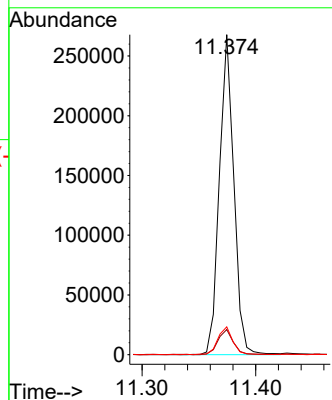
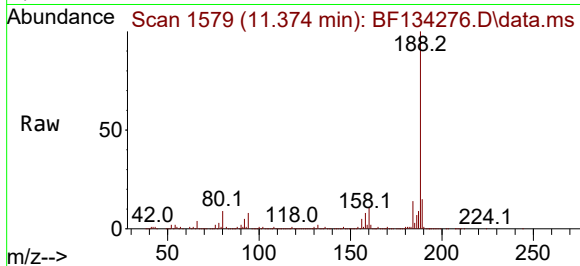




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

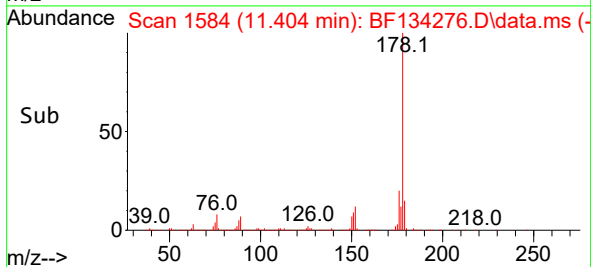
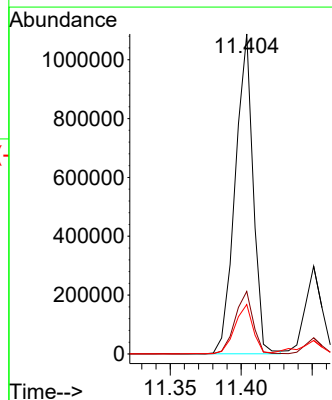
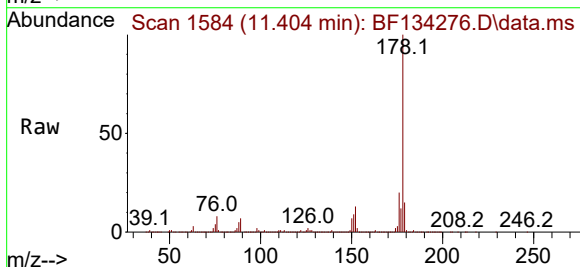
Instrument :
BNA_G
ClientSampleId :

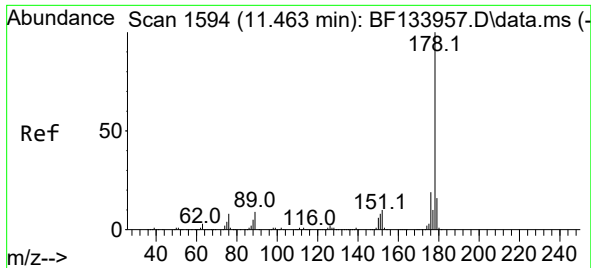
Tgt Ion:188 Resp: 237437
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.7 7.3 10.9



#71
Phenanthrene
Concen: 80.011 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Tgt Ion:178 Resp: 956370
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.5 12.4 18.6

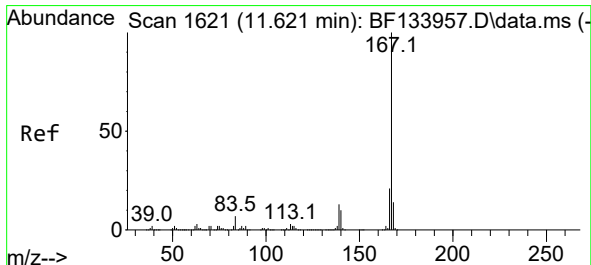
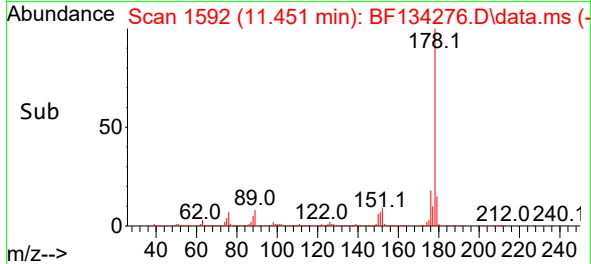
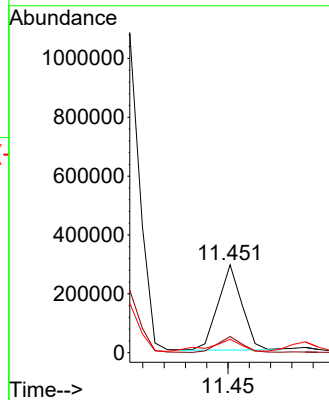
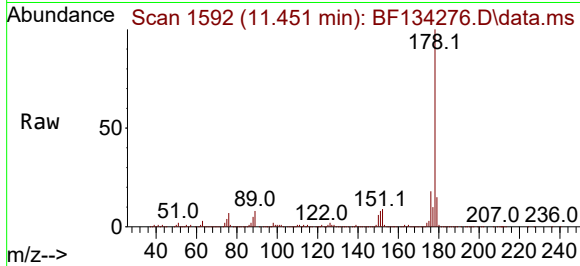




#72
 Anthracene
 Concen: 18.225 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134276.D
 Acq: 13 Jul 2023 23:18

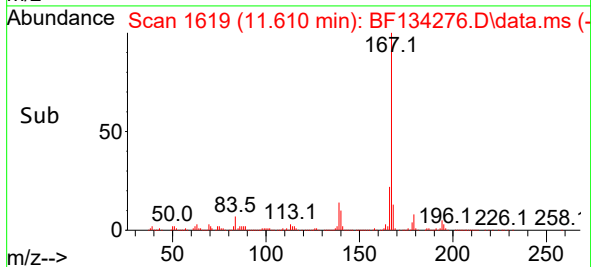
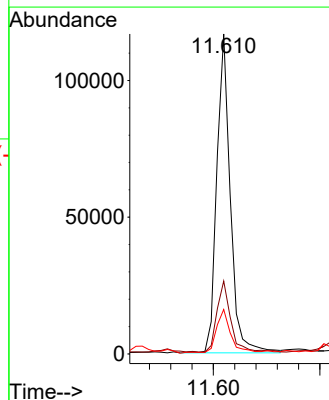
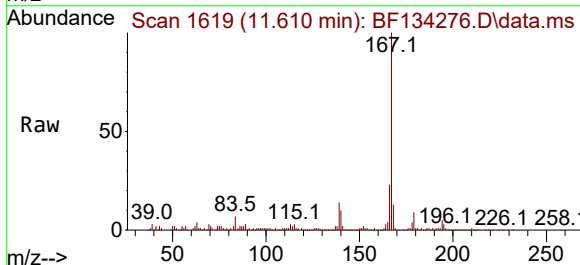
Instrument :
 BNA_G
 ClientSampleId :

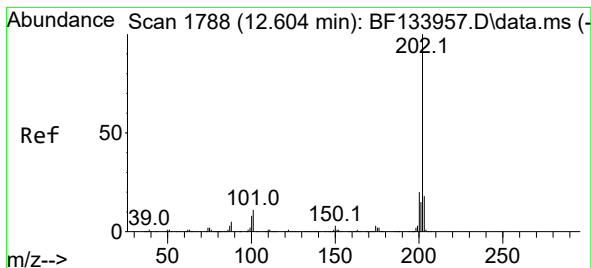
Tgt Ion:178 Resp: 226579
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 15.2 12.4 18.6



#73
 Carbazole
 Concen: 8.994 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF134276.D
 Acq: 13 Jul 2023 23:18

Tgt Ion:167 Resp: 102347
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 13.9 10.4 15.6





#75

Fluoranthene

Concen: 89.574 ng

RT: 12.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

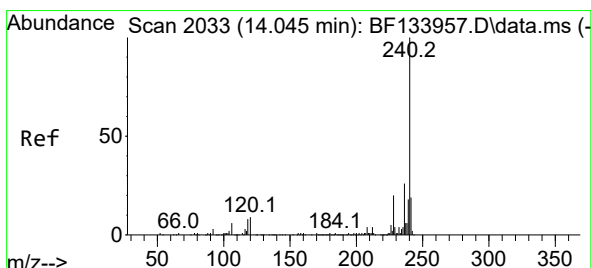
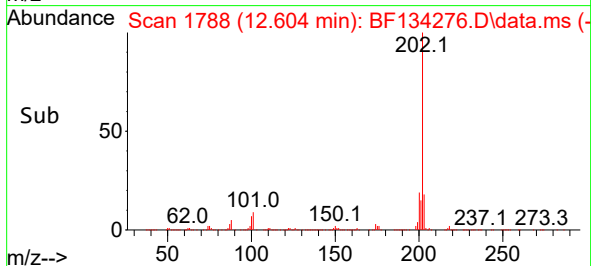
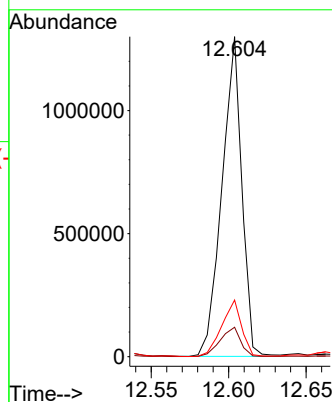
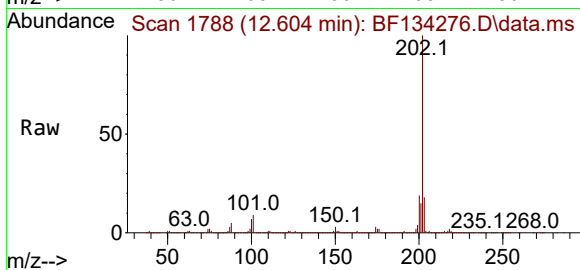
Tgt Ion:202 Resp: 1157493

Ion Ratio Lower Upper

202 100

101 9.2 0.0 31.0

203 17.7 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

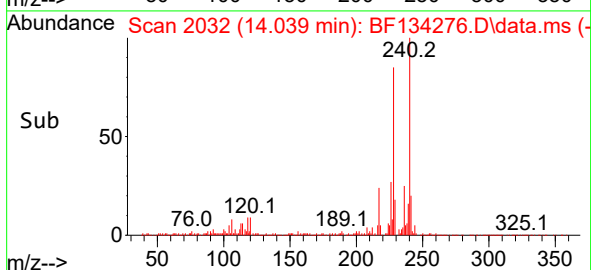
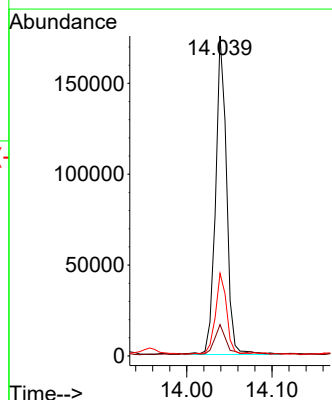
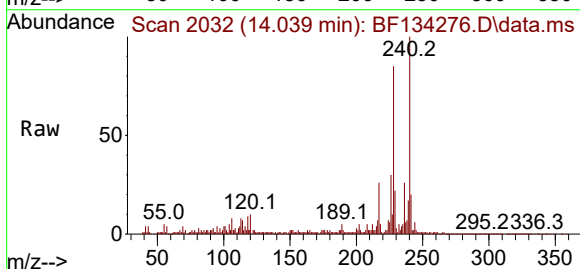
Tgt Ion:240 Resp: 157288

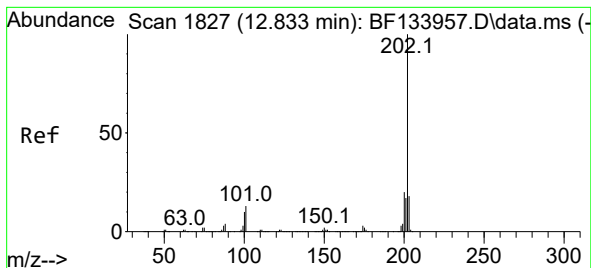
Ion Ratio Lower Upper

240 100

120 9.8 7.4 11.0

236 25.8 21.0 31.6





#78

Pyrene

Concen: 81.761 ng

RT: 12.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

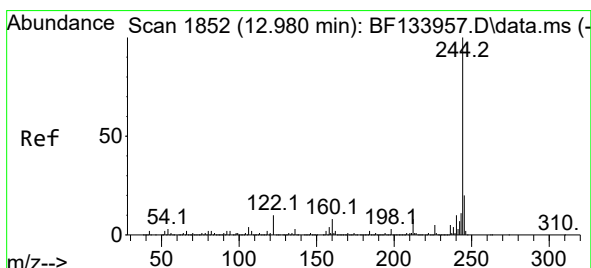
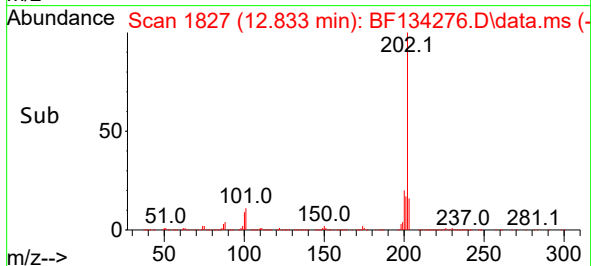
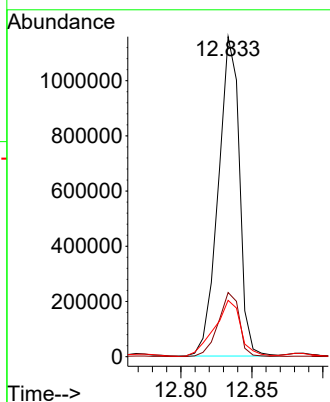
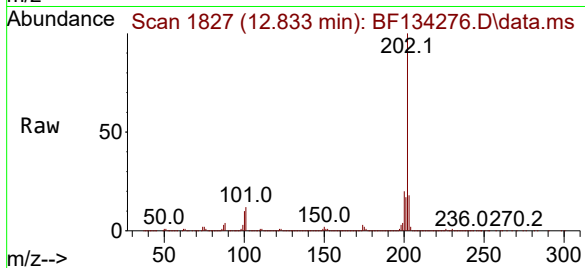
Tgt Ion:202 Resp: 1196794

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.6 14.3 21.5



#79

Terphenyl-d14

Concen: 26.778 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

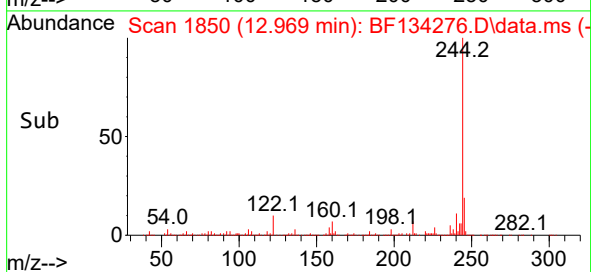
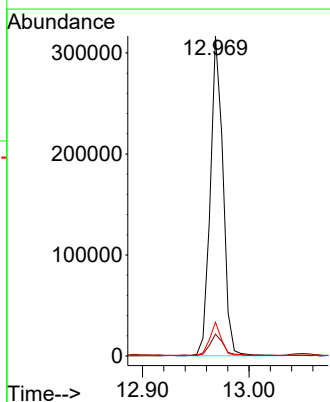
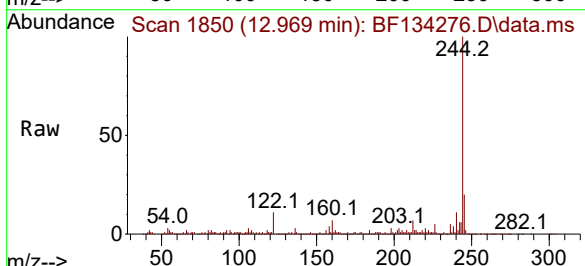
Tgt Ion:244 Resp: 261701

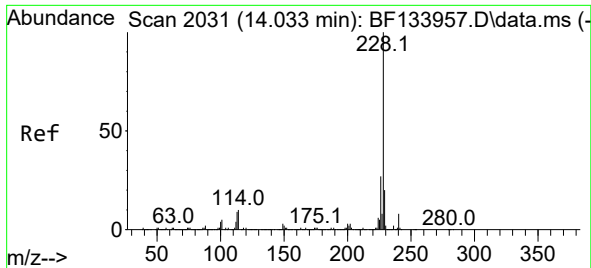
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 10.5 8.3 12.5

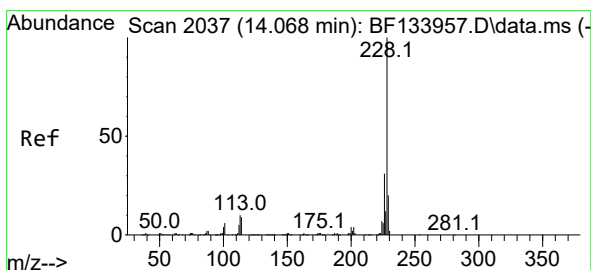
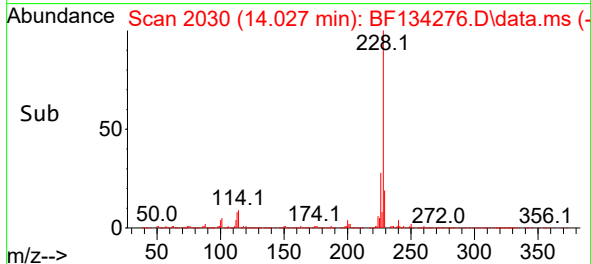
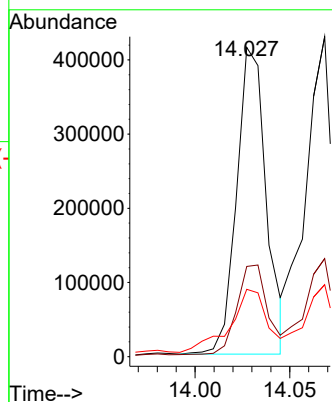
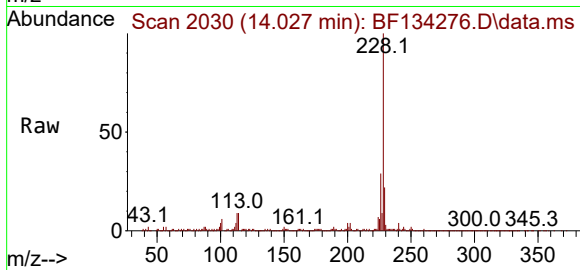




#81
Benzo(a)anthracene
Concen: 41.240 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

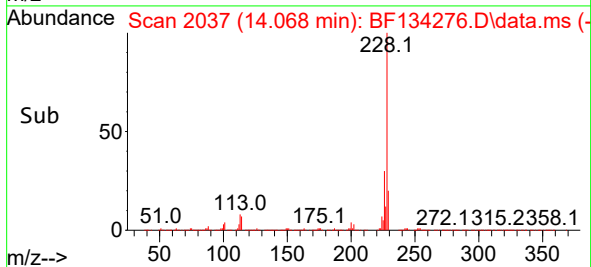
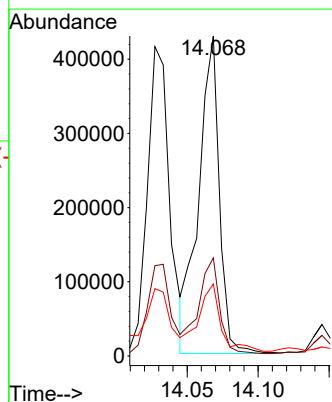
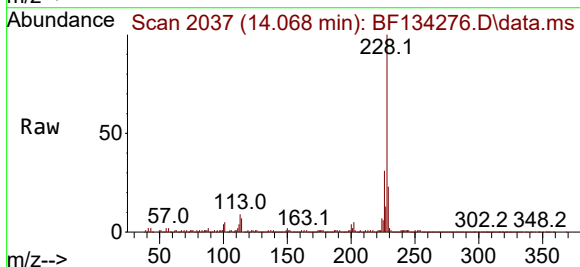
Instrument :
BNA_G
ClientSampleId :

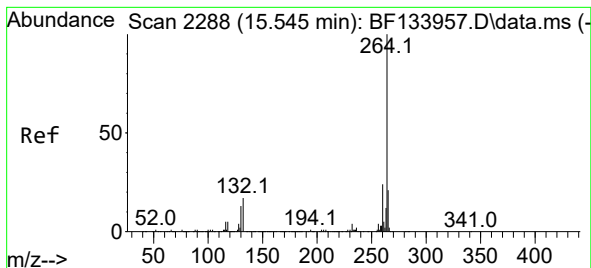
Tgt Ion:228 Resp: 449860
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 21.8 16.3 24.5



#83
Chrysene
Concen: 41.172 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134276.D
Acq: 13 Jul 2023 23:18

Tgt Ion:228 Resp: 434990
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

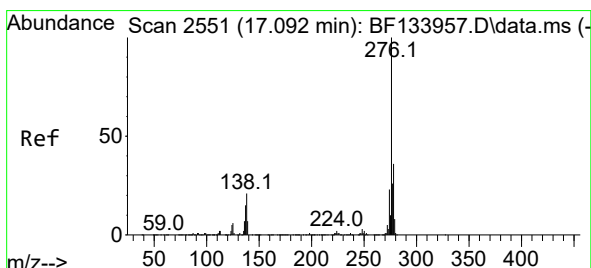
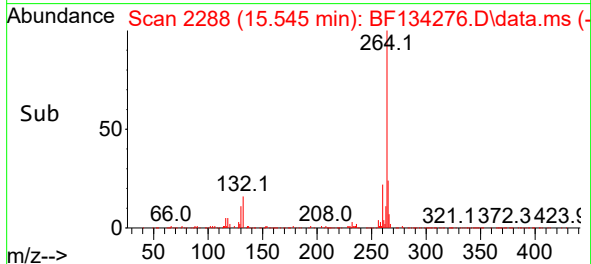
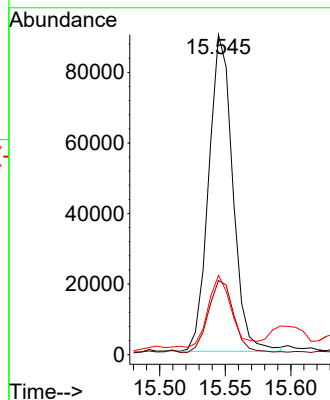
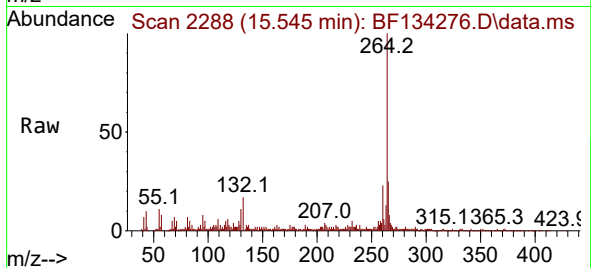
Tgt Ion:264 Resp: 114268

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 24.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.953 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

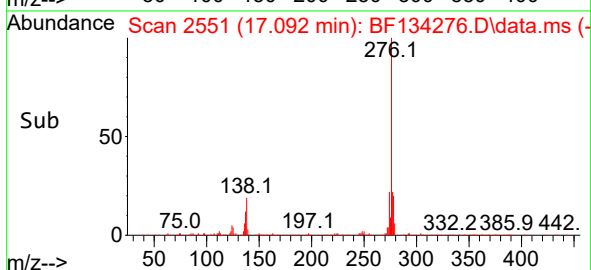
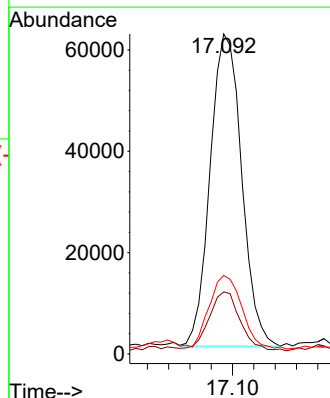
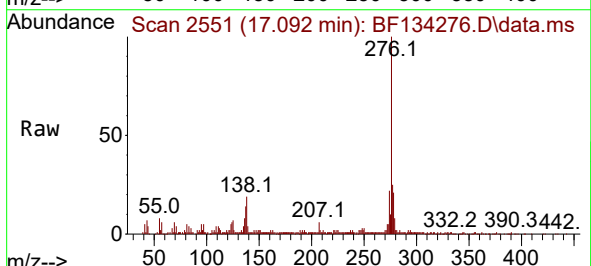
Tgt Ion:276 Resp: 126493

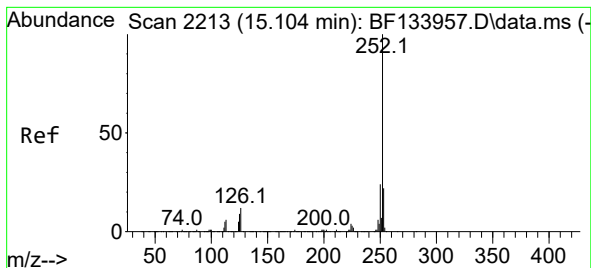
Ion Ratio Lower Upper

276 100

138 18.9 18.7 28.1

277 24.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 64.769 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

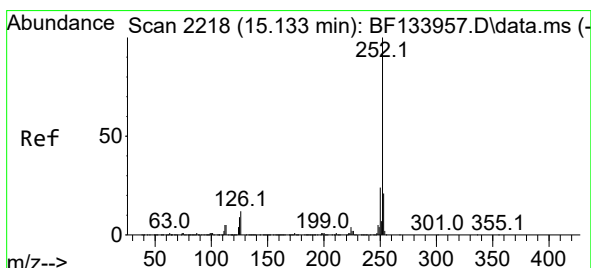
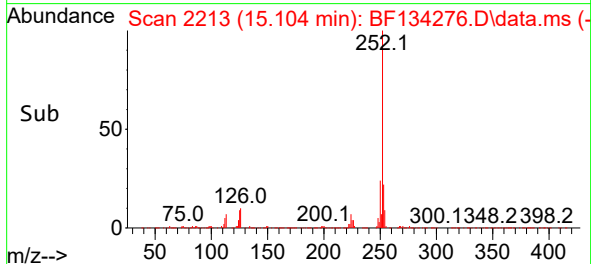
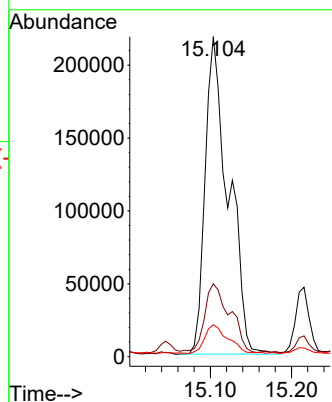
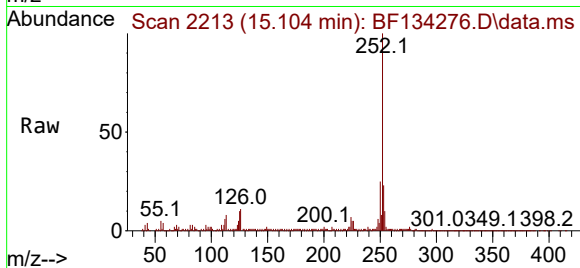
Tgt Ion:252 Resp: 435189

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.0 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 63.615 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.029 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

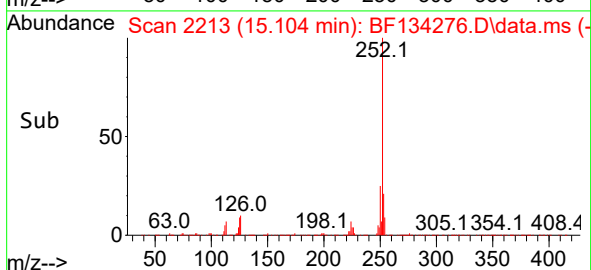
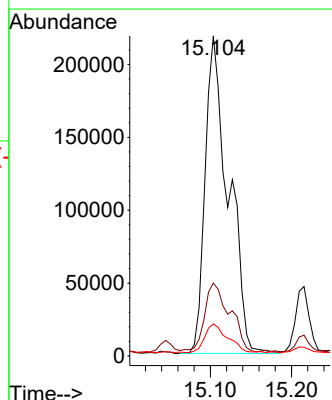
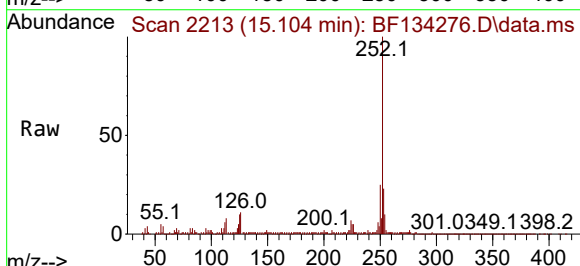
Tgt Ion:252 Resp: 435189

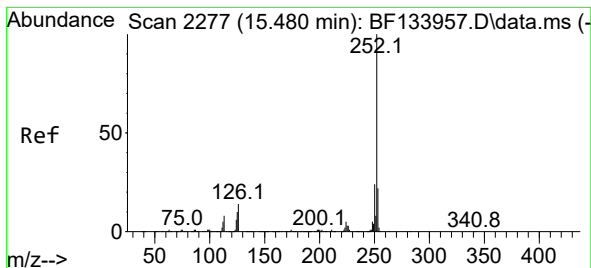
Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

125 10.0 7.4 11.2





#90

Benzo(a)pyrene

Concen: 37.547 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

Instrument :

BNA_G

ClientSampleId :

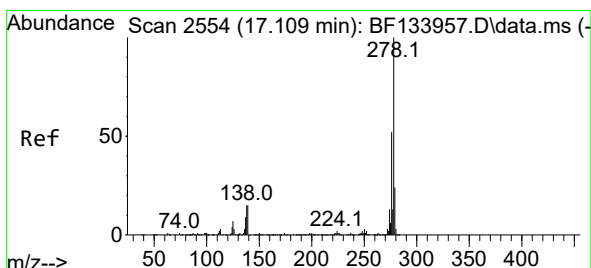
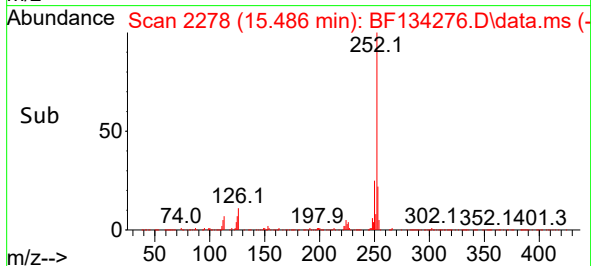
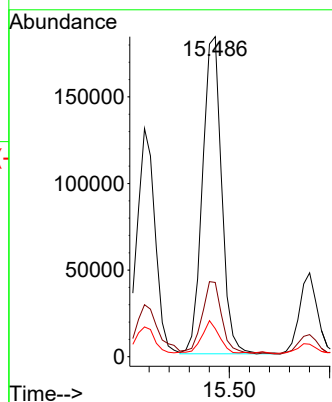
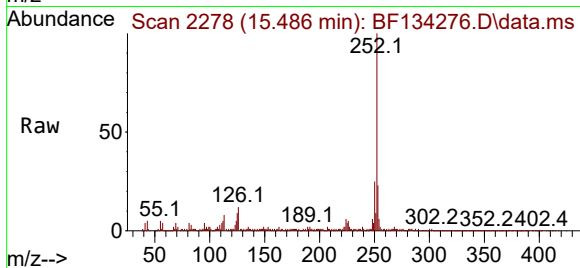
Tgt Ion:252 Resp: 243950

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 8.7 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 3.120 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.229 min

Lab File: BF134276.D

Acq: 13 Jul 2023 23:18

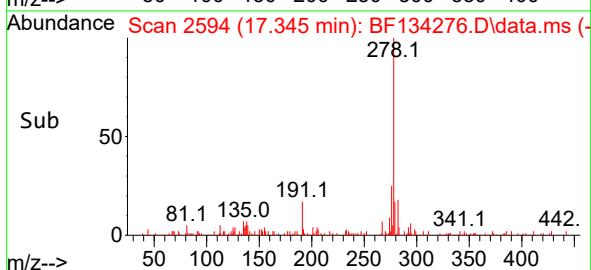
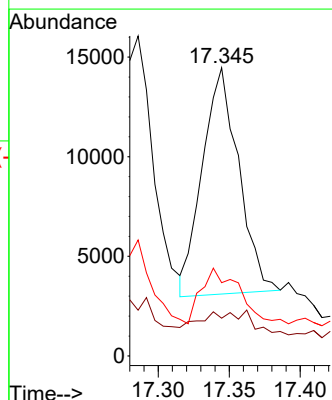
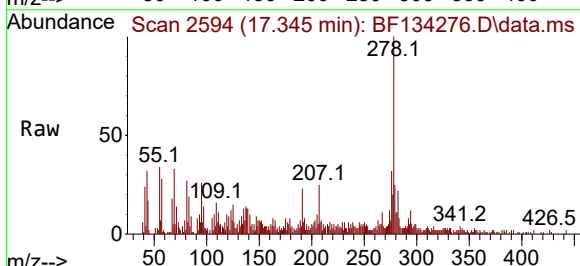
Tgt Ion:278 Resp: 20204

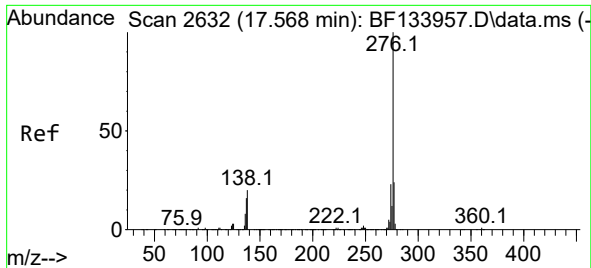
Ion Ratio Lower Upper

278 100

139 13.1 12.2 18.4

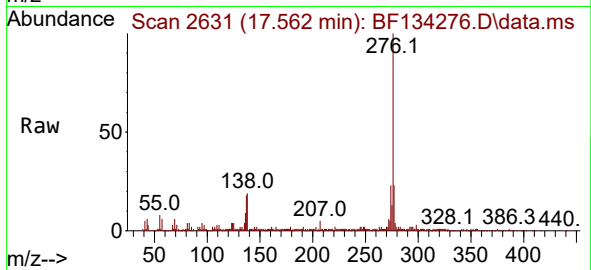
279 25.5 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 20.677 ng
 RT: 17.562 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134276.D
 Acq: 13 Jul 2023 23:18

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	276	Resp:	138095
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.6
138	18.9	16.2	24.2

