

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134275.D
 Acq On : 13 Jul 2023 22:44
 Operator : CG\JU
 Sample : 03555-05DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 13 23:36:06 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

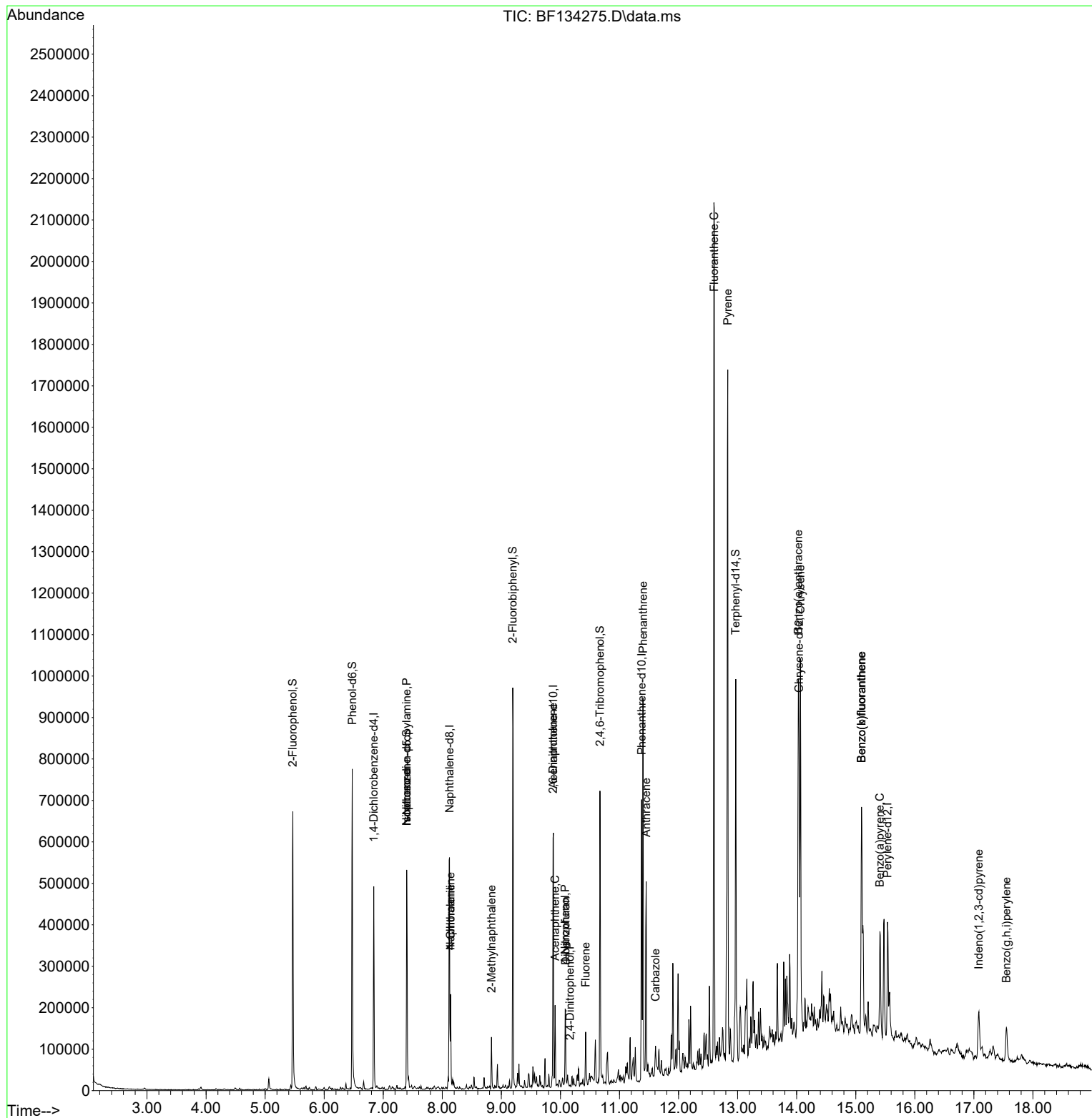
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	64648	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	253283	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	127274	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	241235	20.000	ng	0.00
76) Chrysene-d12	14.039	240	167485	20.000	ng	0.00
86) Perylene-d12	15.539	264	134331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	181620	46.994	ng	0.00
7) Phenol-d6	6.475	99	224253	47.183	ng	-0.01
23) Nitrobenzene-d5	7.398	82	150273	31.982	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	73304	45.937	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	287006	32.786	ng	-0.01
79) Terphenyl-d14	12.969	244	297057	28.545	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	672	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	21274	7.058 ng	#	75
25) Isophorone	7.398	82	150273	17.597 ng	#	64
31) Naphthalene	8.139	128	84678	6.921 ng		99
33) 4-Chloroaniline	8.139	127	10952	2.093 ng	#	35
37) 2-Methylnaphthalene	8.834	142	29989	3.466 ng		97
51) 2,6-Dinitrotoluene	9.875	165	17665	8.877 ng	#	24
52) Acenaphthene	9.910	154	33681	4.549 ng		99
54) 2,4-Dinitrophenol	10.163	184	60	3.913 ng	#	15
55) Dibenzofuran	10.086	168	71409	6.171 ng		96
56) 4-Nitrophenol	10.080	139	29150	17.457 ng	#	5
58) Fluorene	10.428	166	33164	3.684 ng		99
71) Phenanthrene	11.398	178	311789	25.674 ng		98
72) Anthracene	11.451	178	180602	14.298 ng		98
73) Carbazole	11.610	167	26701	2.309 ng		99
75) Fluoranthene	12.604	202	927193	70.622 ng		97
78) Pyrene	12.833	202	721702	46.302 ng		100
81) Benzo(a)anthracene	14.027	228	333714	28.730 ng		100
83) Chrysene	14.063	228	344027	30.579 ng		97
87) Indeno(1,2,3-cd)pyrene	17.080	276	79393	8.517 ng		96
88) Benzo(b)fluoranthene	15.098	252	410757	52.003 ng		97
89) Benzo(k)fluoranthene	15.098	252	410757	51.075 ng		97
90) Benzo(a)pyrene	15.410	252	128099	16.771 ng		99
92) Benzo(g,h,i)perylene	17.551	276	74337	9.468 ng		97

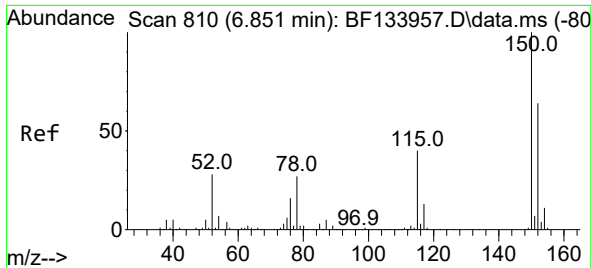
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
Data File : BF134275.D
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Sample : 03555-05DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

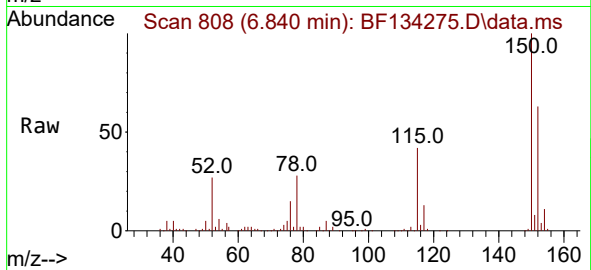
Quant Time: Jul 13 23:36:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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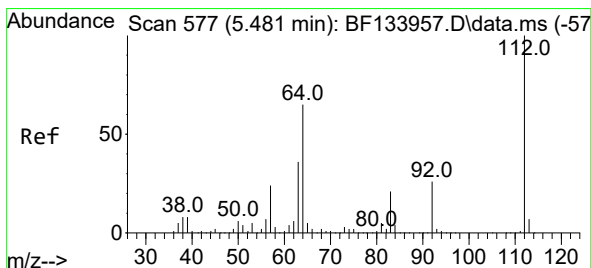
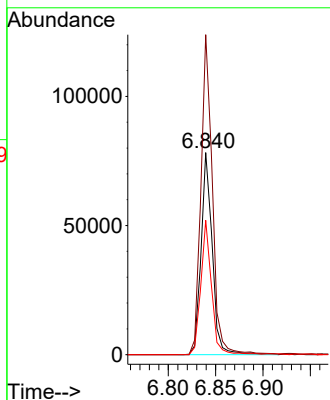
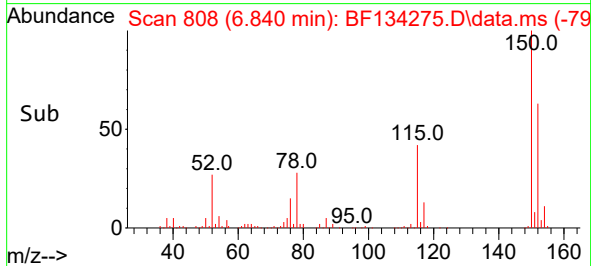


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

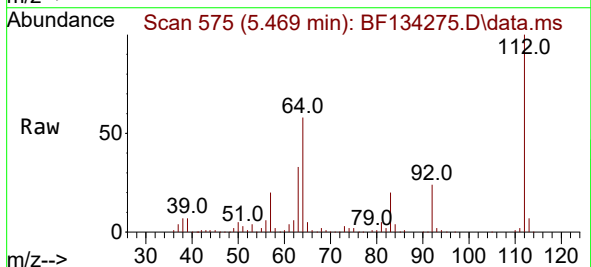
Instrument :
BNA_G
ClientSampleId :



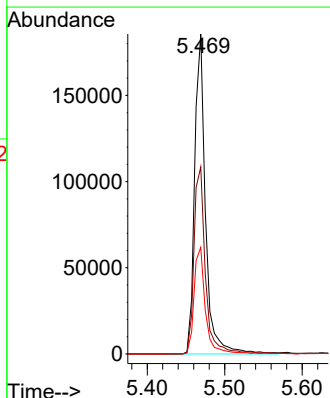
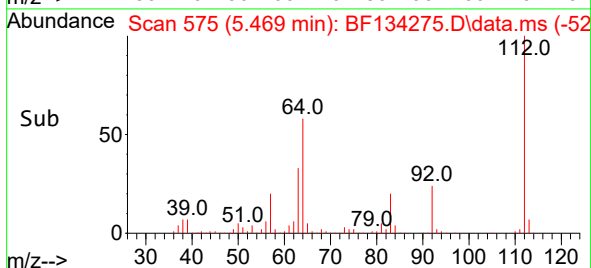
Tgt Ion:152 Resp: 64648
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 66.5 50.2 75.2

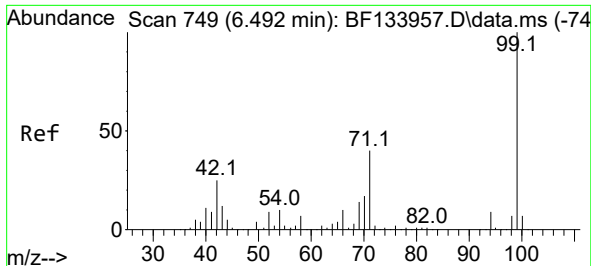


#5
2-Fluorophenol
Concen: 46.994 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44



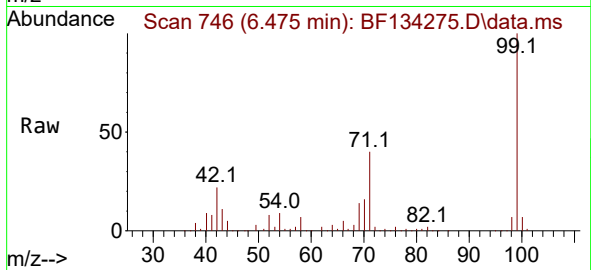
Tgt Ion:112 Resp: 181620
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 33.3 28.6 42.8



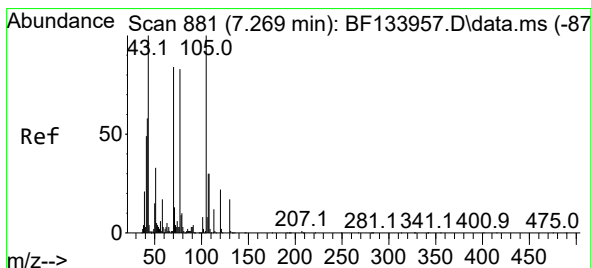
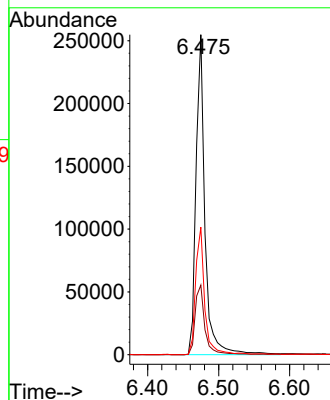
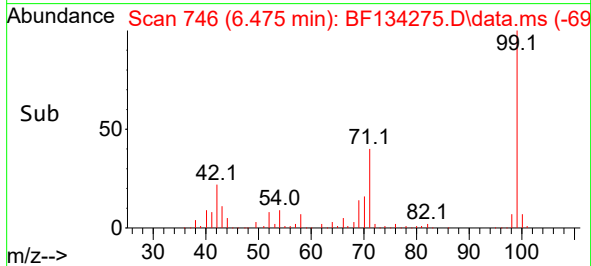


#7
Phenol-d6
Concen: 47.183 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

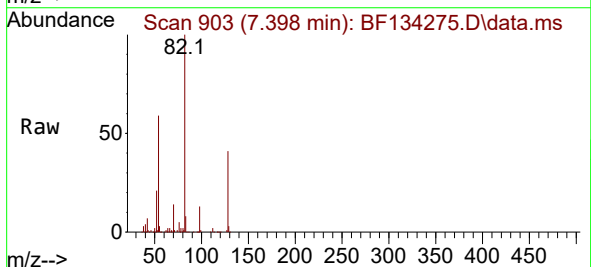
Instrument :
BNA_G
ClientSampleId :



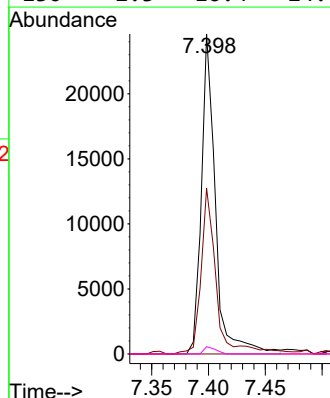
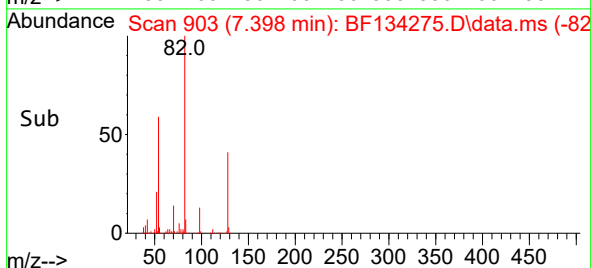
Tgt Ion: 99 Resp: 224253
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.6
71 39.9 31.9 47.9

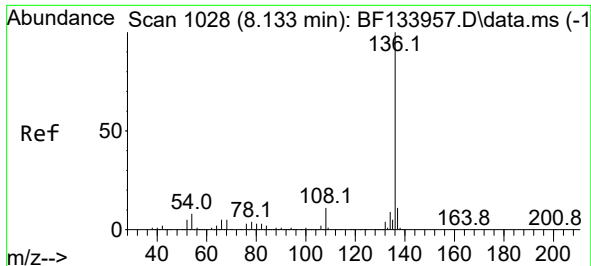


#19
n-Nitroso-di-n-propylamine
Concen: 7.058 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44



Tgt Ion: 70 Resp: 21274
Ion Ratio Lower Upper
70 100
42 51.8 54.7 82.1#
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#

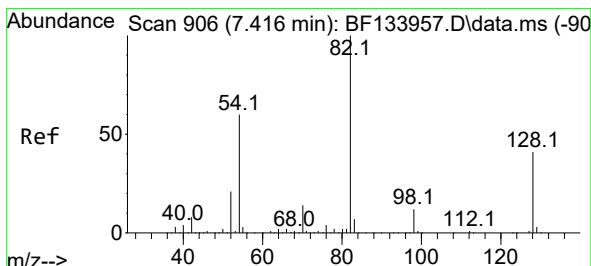
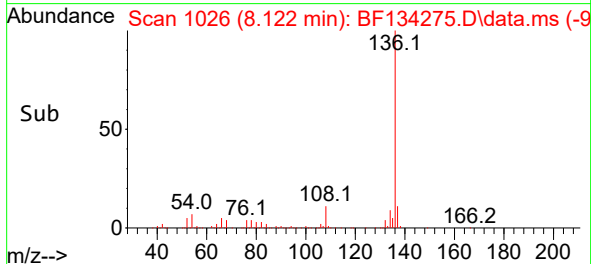
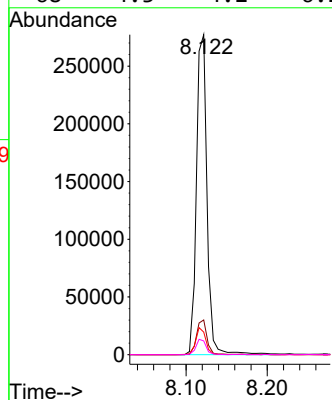
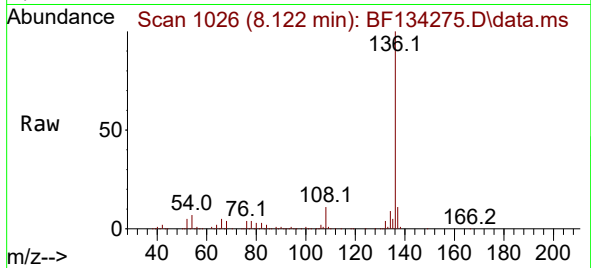




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

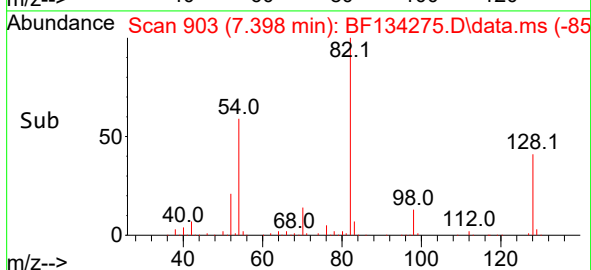
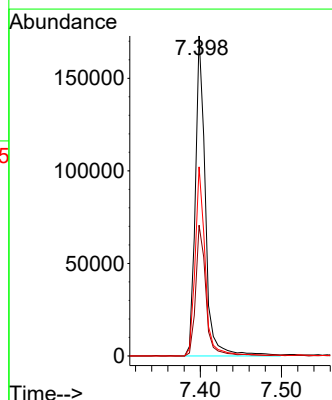
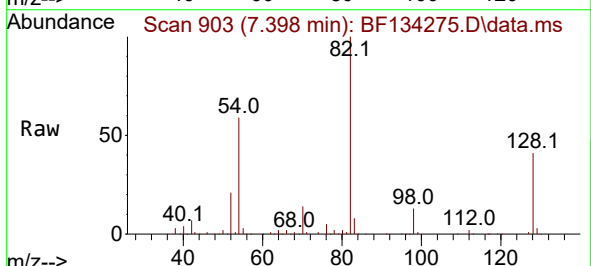
Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 253283
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.0 6.5 9.7
68 4.3 4.2 6.2



#23
Nitrobenzene-d5
Concen: 31.982 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion: 82 Resp: 150273
Ion Ratio Lower Upper
82 100
128 40.9 32.5 48.7
54 59.1 48.2 72.2

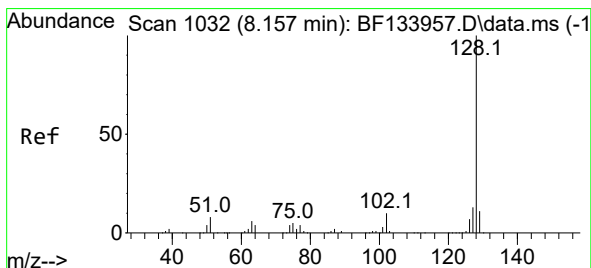
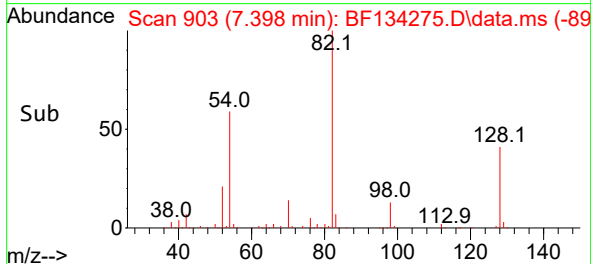
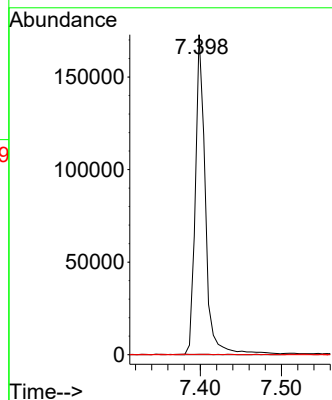
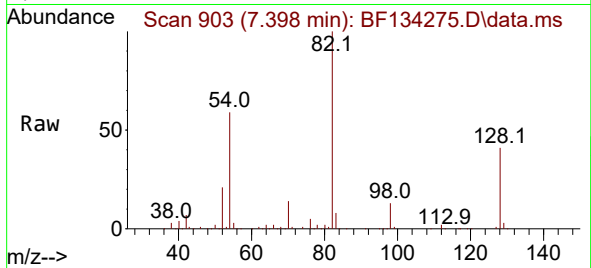




#25
Isophorone
Concen: 17.597 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

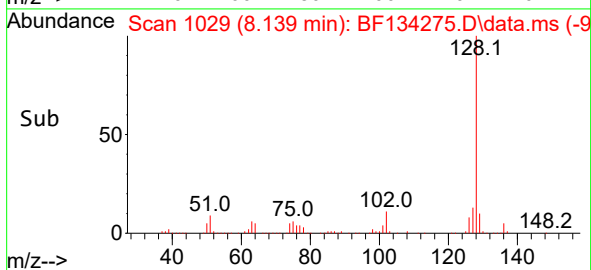
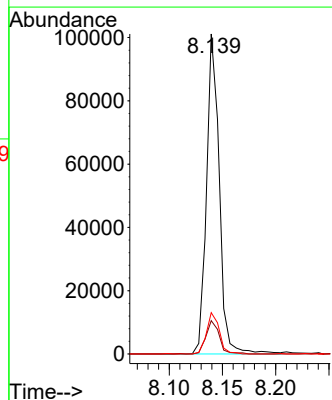
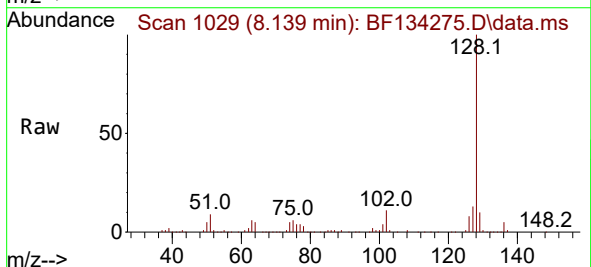
Instrument :
BNA_G
ClientSampleId :

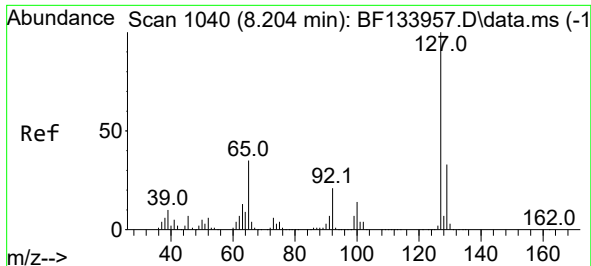
Tgt Ion: 82 Resp: 150273
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 6.921 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:128 Resp: 84678
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 12.9 10.6 15.8

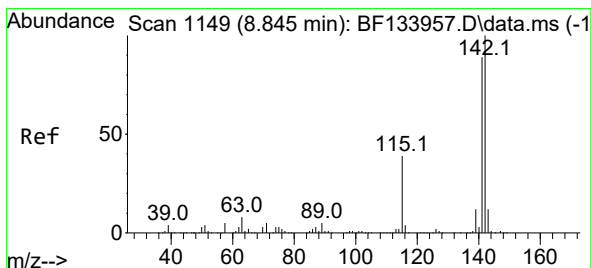
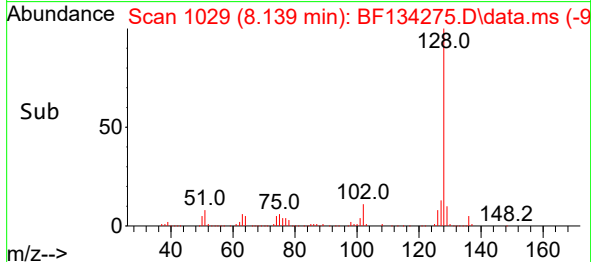
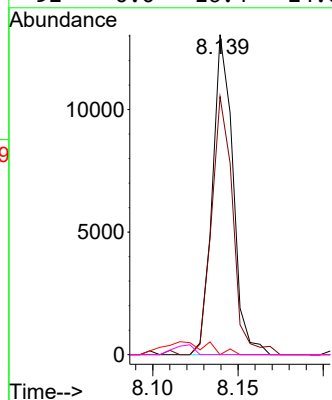
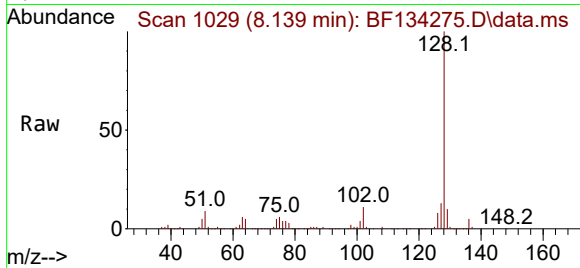




#33
4-Chloroaniline
Concen: 2.093 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.059 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

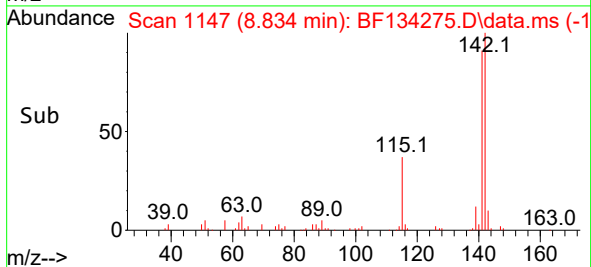
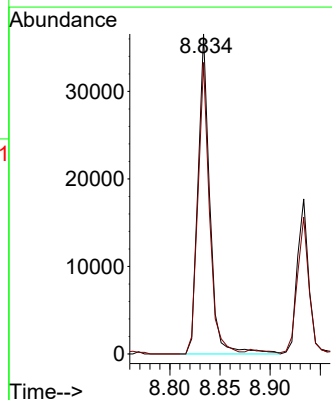
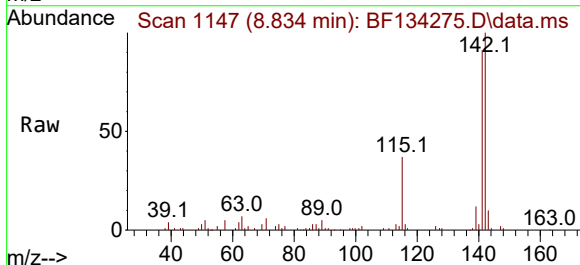
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BNA_G
ClientSampleId :

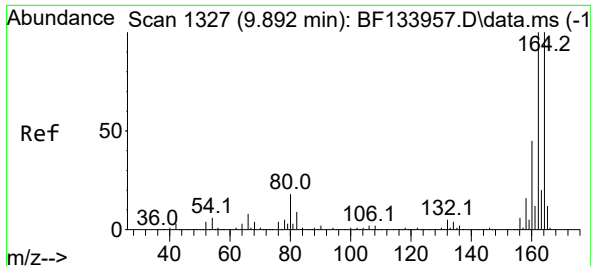
Tgt Ion:127	Resp:	10952
Ion Ratio	Lower	Upper
127	100	
129	80.6	26.4 39.6#
65	0.0	27.8 41.8#
92	0.0	16.4 24.6#



#37
2-Methylnaphthalene
Concen: 3.466 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:142	Resp:	29989
Ion Ratio	Lower	Upper
142	100	
141	91.1	71.0 106.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. -0.006 min

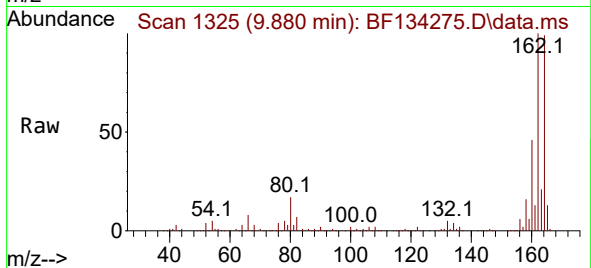
Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :



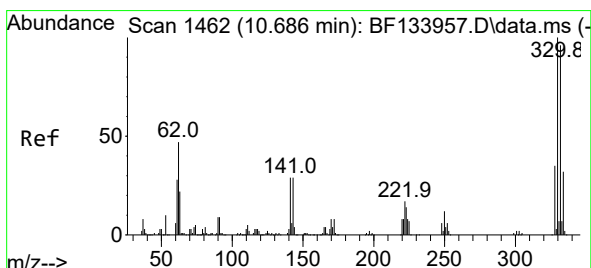
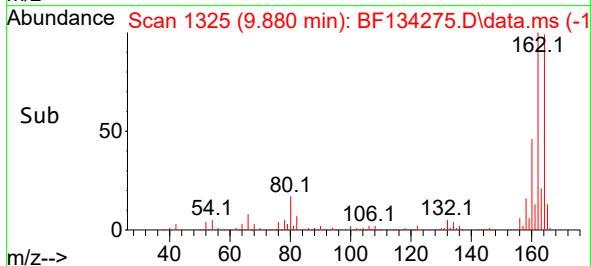
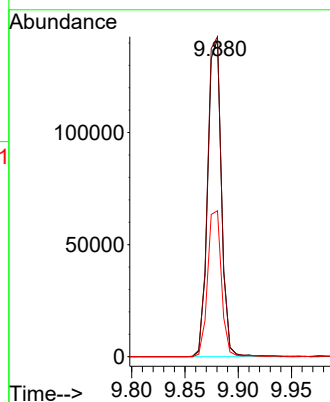
Tgt Ion:164 Resp: 127274

Ion Ratio Lower Upper

164 100

162 100.8 80.0 120.0

160 46.0 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 45.937 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

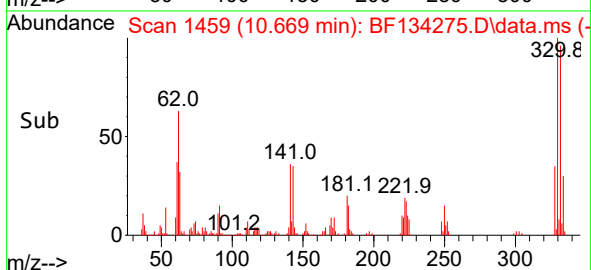
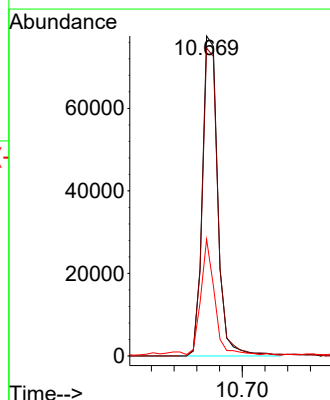
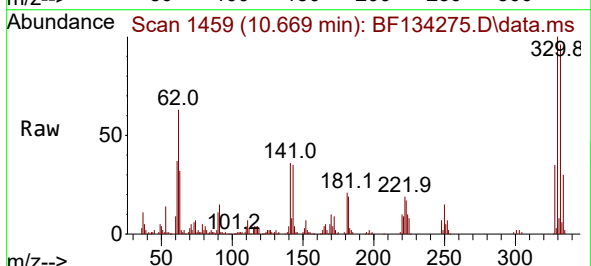
Tgt Ion:330 Resp: 73304

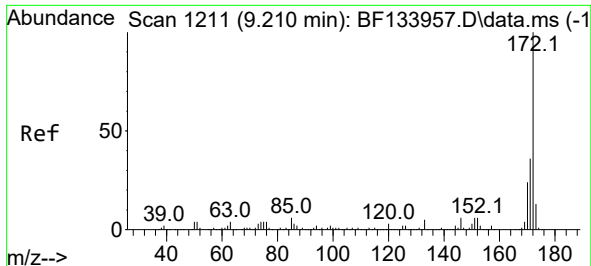
Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

141 34.0 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 32.786 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.012 min

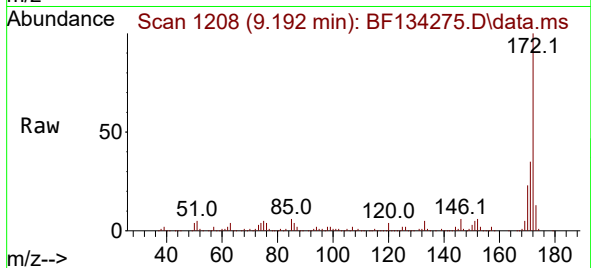
Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :



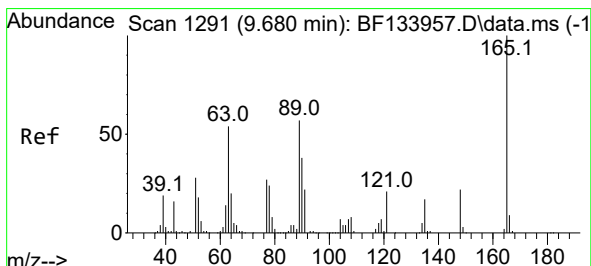
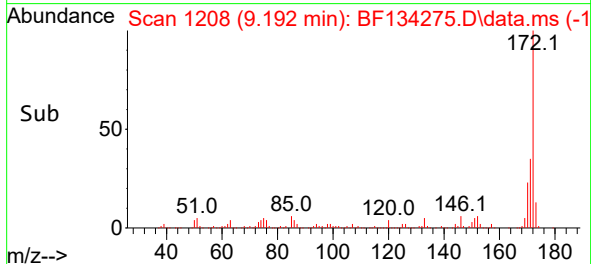
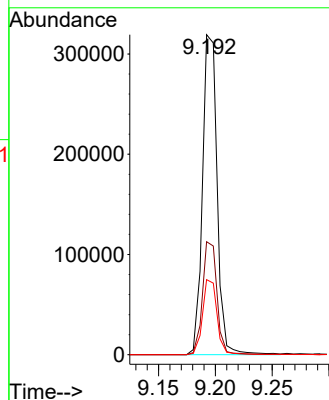
Tgt Ion:172 Resp: 287006

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.5 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.877 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.200 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

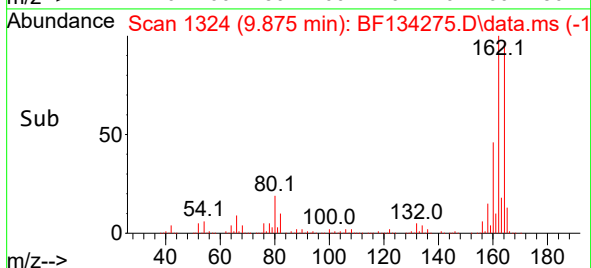
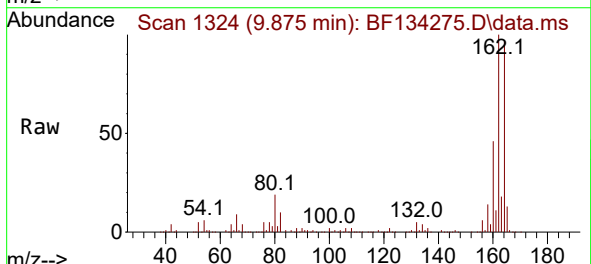
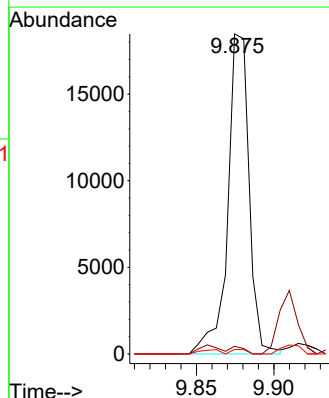
Tgt Ion:165 Resp: 17665

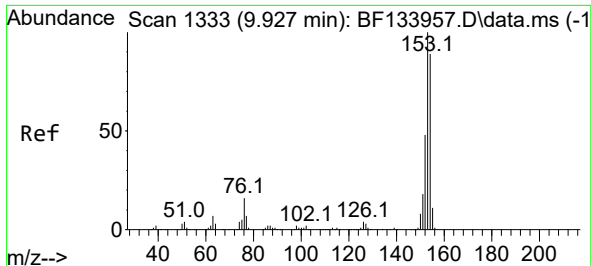
Ion Ratio Lower Upper

165 100

63 2.4 48.5 72.7#

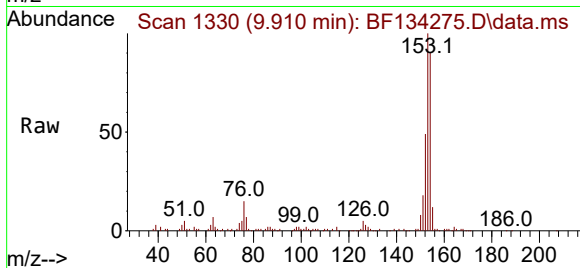
89 1.4 45.5 68.3#



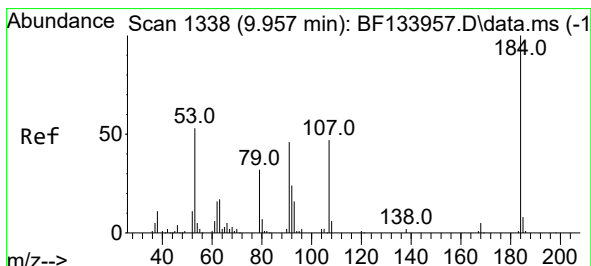
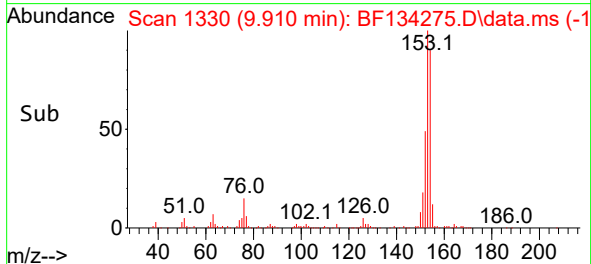
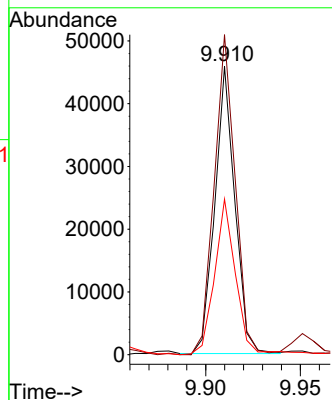


#52
Acenaphthene
Concen: 4.549 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_G
ClientSampleId :

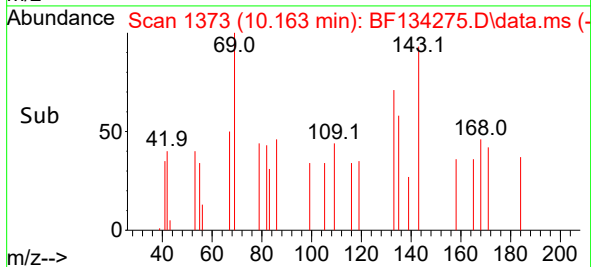
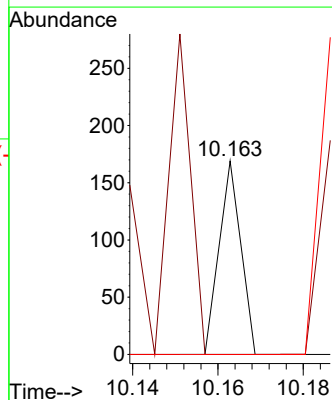
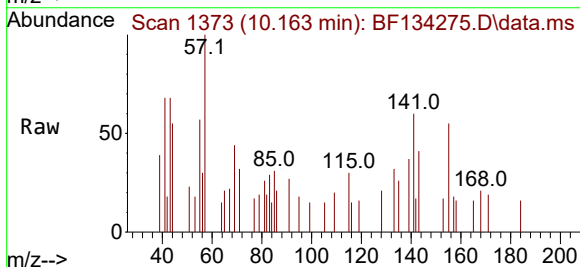


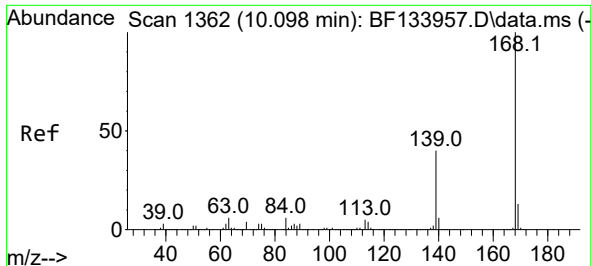
Tgt Ion:154 Resp: 33681
Ion Ratio Lower Upper
154 100
153 111.0 89.4 134.2
152 53.9 42.8 64.2



#54
2,4-Dinitrophenol
Concen: 3.913 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.206 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

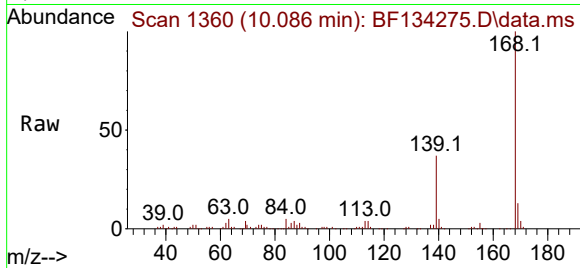
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 56.9 85.3#
154 0.0 55.4 83.0#



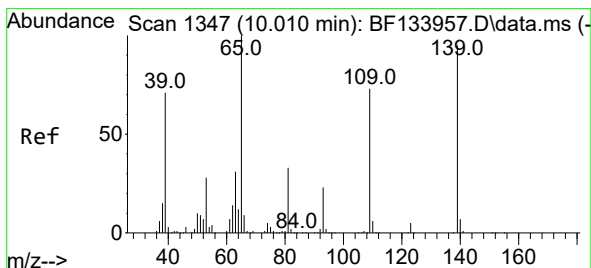
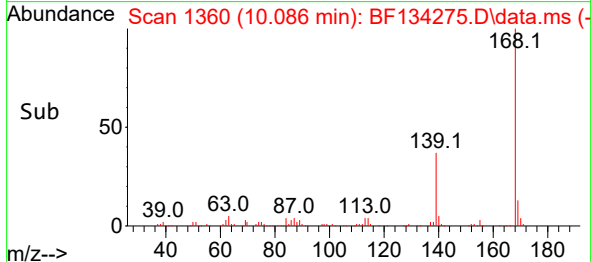
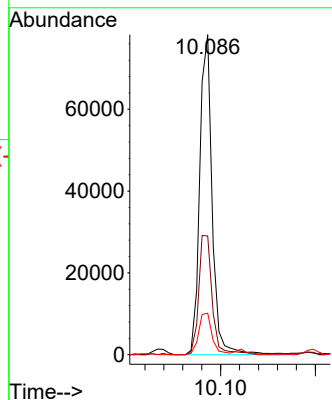


#55
Dibenzofuran
Concen: 6.171 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_G
ClientSampleId :

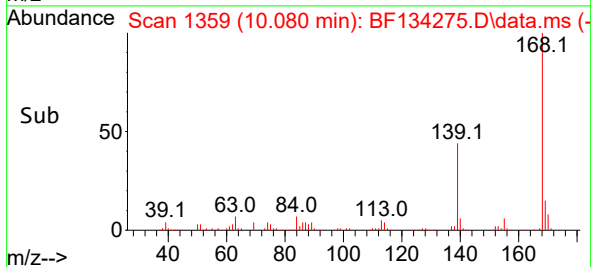
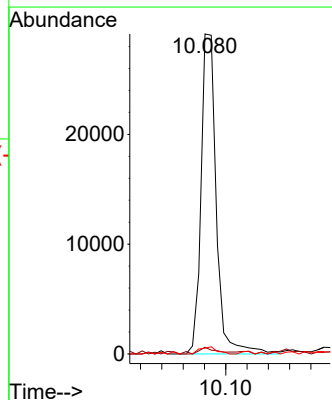
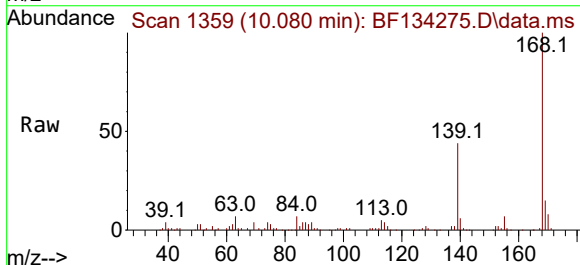


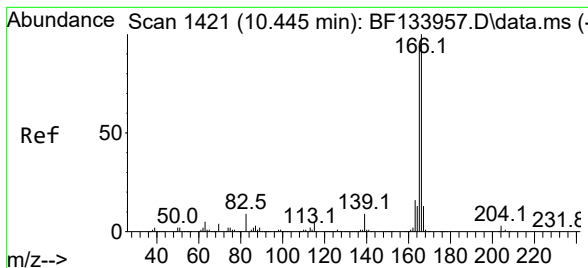
Tgt Ion:168 Resp: 71409
Ion Ratio Lower Upper
168 100
139 37.1 32.0 48.0
169 12.9 10.6 16.0



#56
4-Nitrophenol
Concen: 17.457 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.071 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:139 Resp: 29150
Ion Ratio Lower Upper
139 100
109 2.1 56.8 96.8#
65 1.8 86.1 126.1#





#58

Fluorene

Concen: 3.684 ng

RT: 10.428 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :

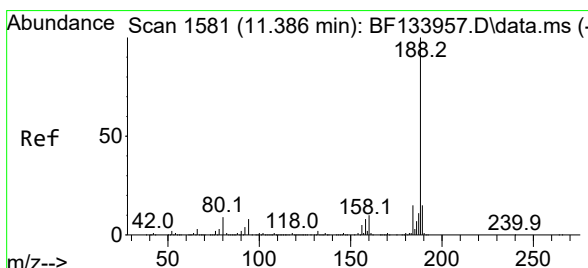
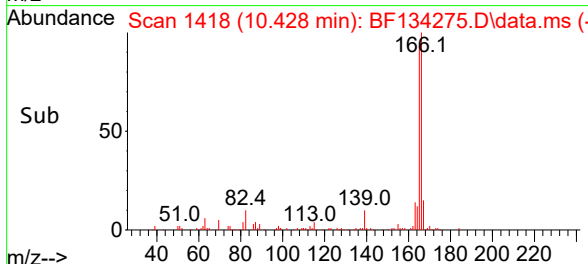
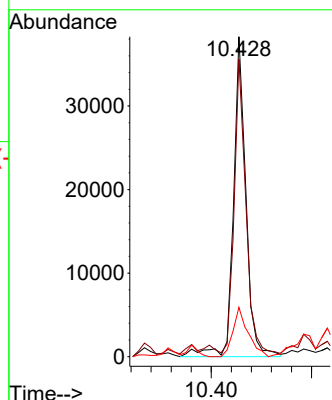
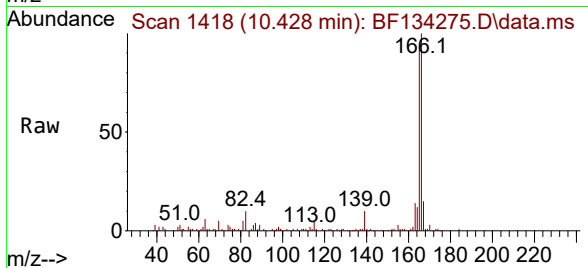
Tgt Ion:166 Resp: 33164

Ion Ratio Lower Upper

166 100

165 92.9 75.0 112.4

167 15.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

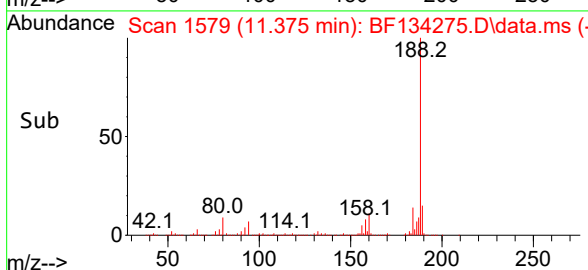
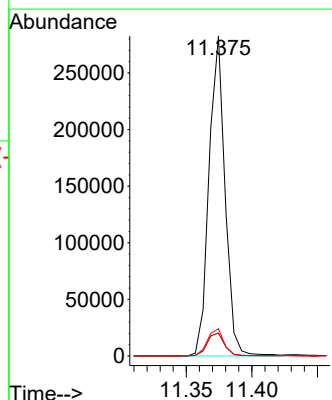
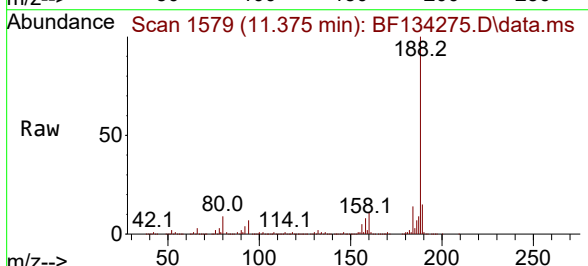
Tgt Ion:188 Resp: 241235

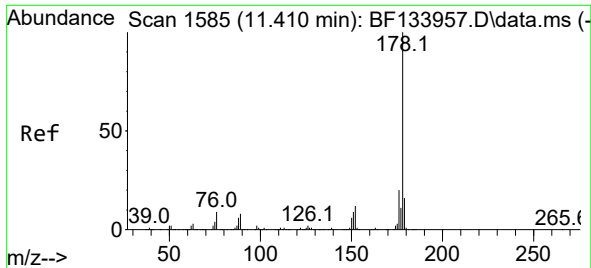
Ion Ratio Lower Upper

188 100

94 7.2 6.4 9.6

80 8.5 7.3 10.9

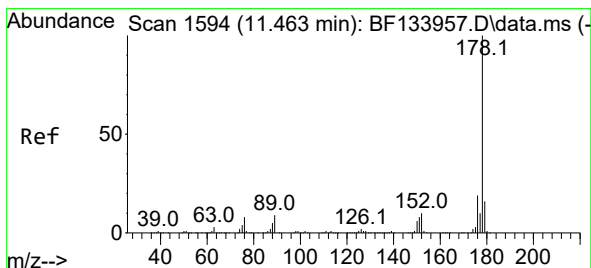
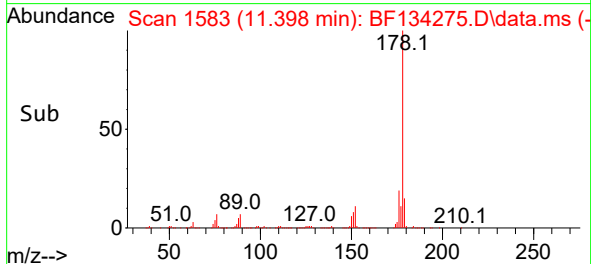
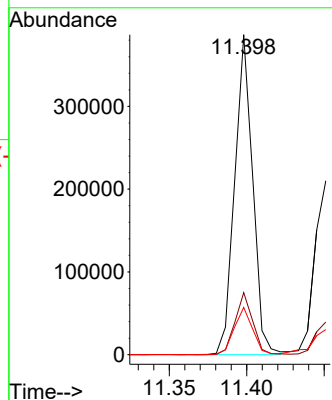
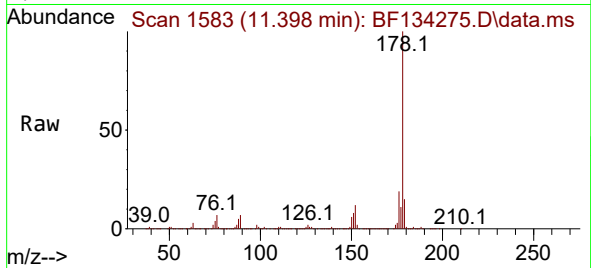




#71
Phenanthrene
Concen: 25.674 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

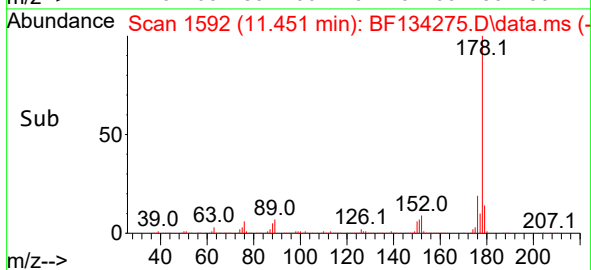
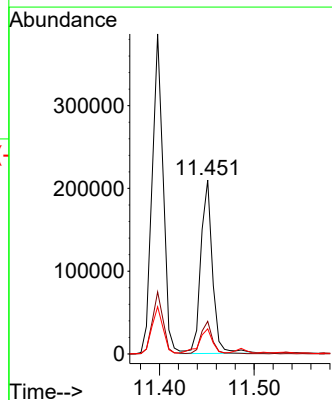
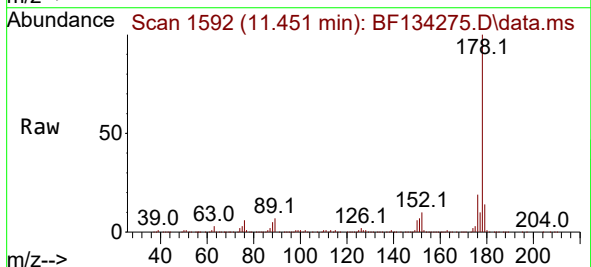
Instrument :
BNA_G
ClientSampleId :

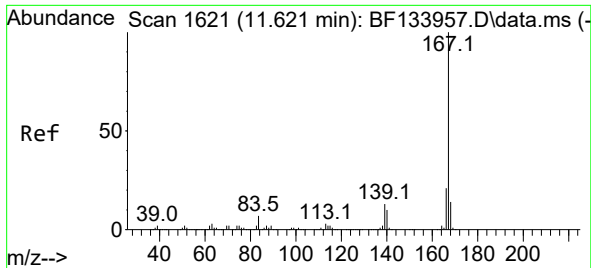
Tgt Ion:178 Resp: 311789
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.8 12.4 18.6



#72
Anthracene
Concen: 14.298 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

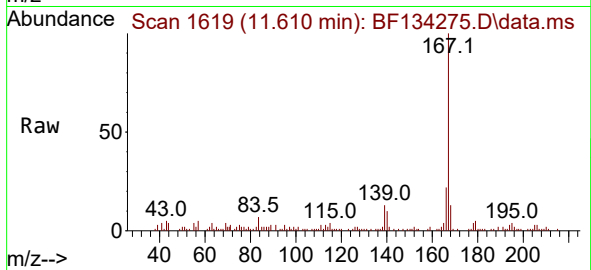
Tgt Ion:178 Resp: 180602
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.5 12.4 18.6



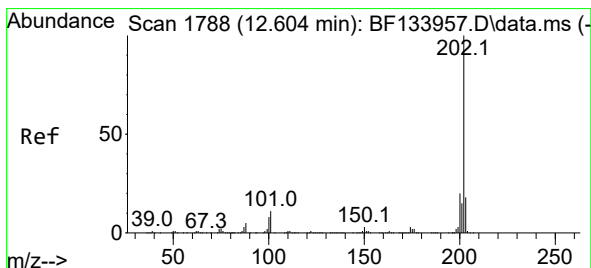
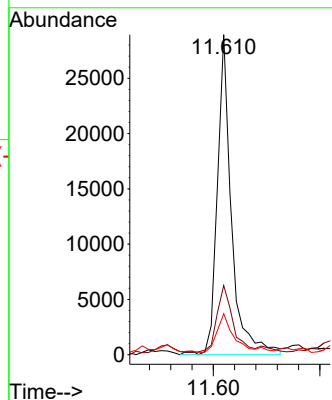
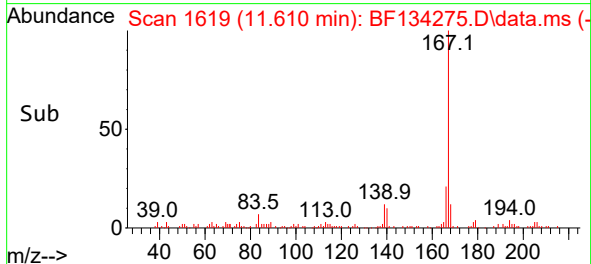


#73
 Carbazole
 Concen: 2.309 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Instrument :
 BNA_G
 ClientSampleId :

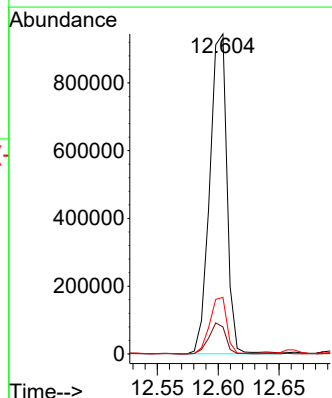
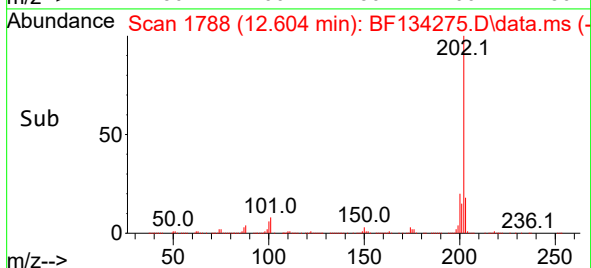
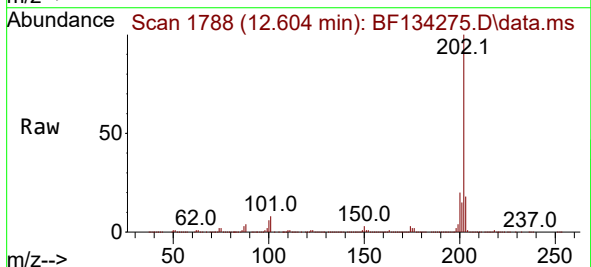


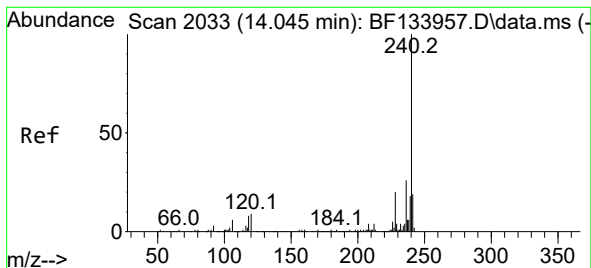
Tgt Ion:167 Resp: 26701
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 12.8 10.4 15.6



#75
 Fluoranthene
 Concen: 70.622 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Tgt Ion:202 Resp: 927193
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 31.0
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :

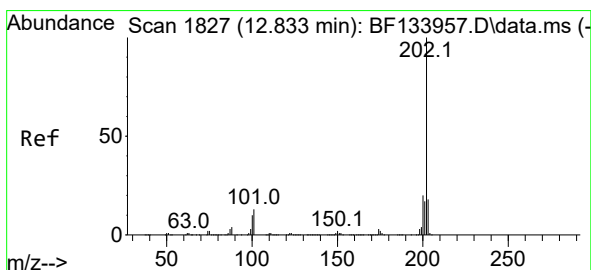
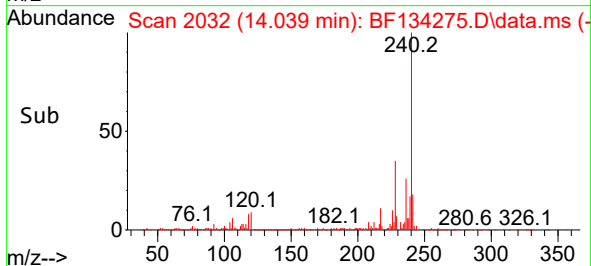
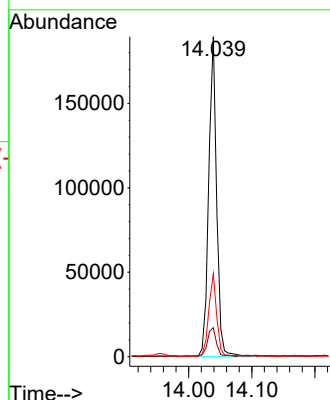
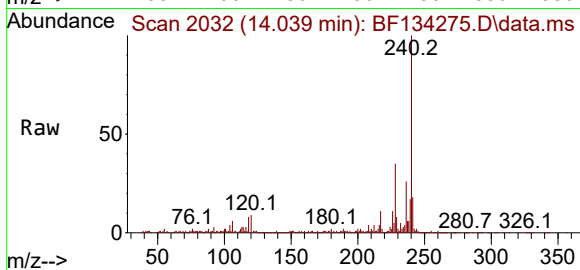
Tgt Ion:240 Resp: 167485

Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

236 26.0 21.0 31.6



#78

Pyrene

Concen: 46.302 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

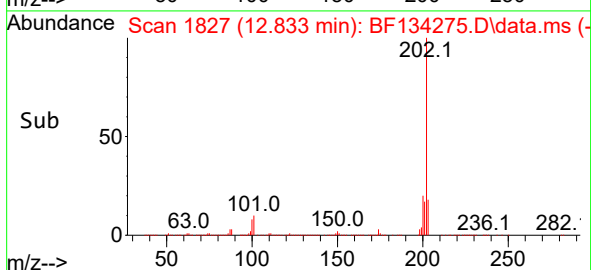
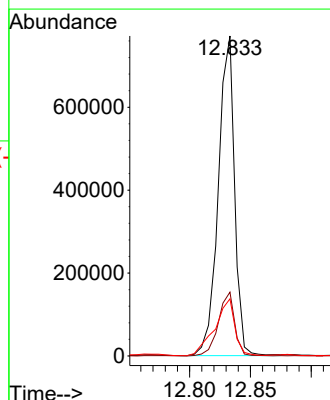
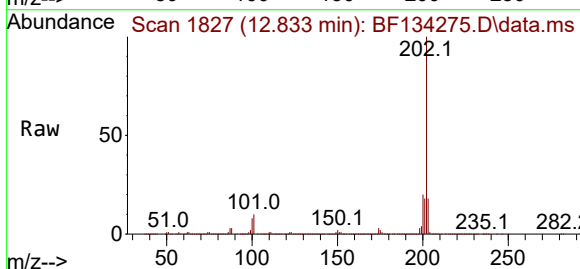
Tgt Ion:202 Resp: 721702

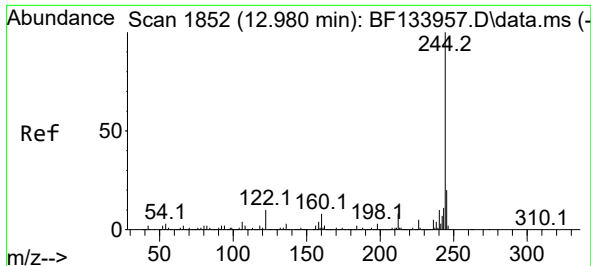
Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

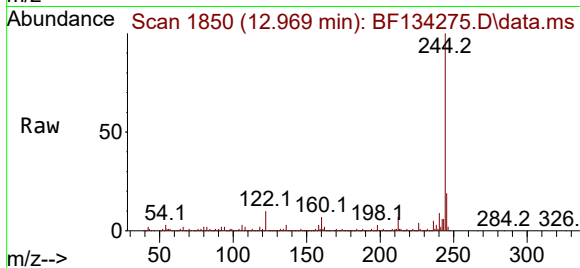
203 17.8 14.3 21.5



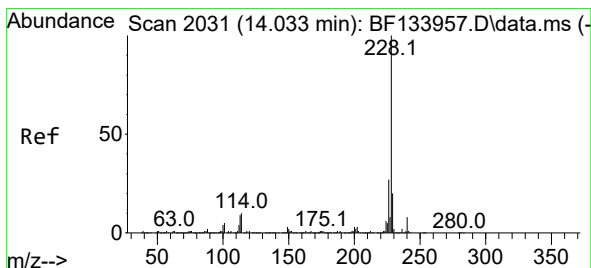
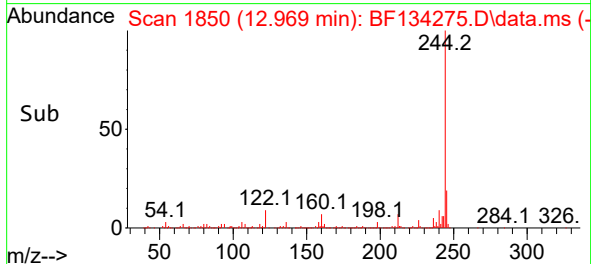
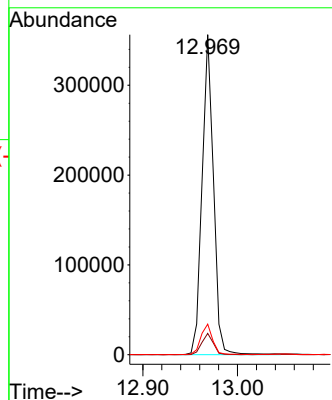


#79
 Terphenyl-d14
 Concen: 28.545 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Instrument :
 BNA_G
 ClientSampleId :

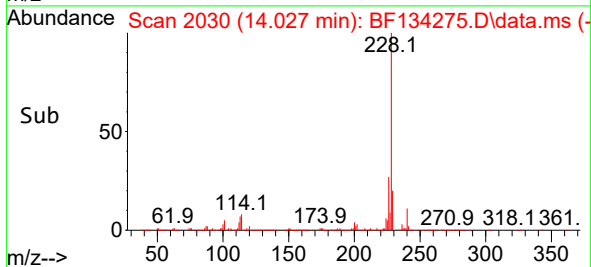
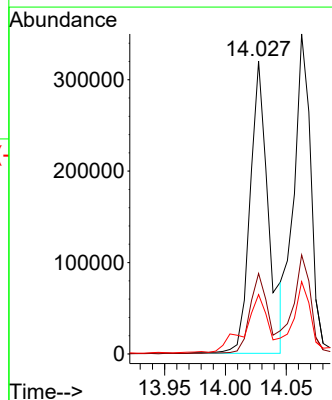
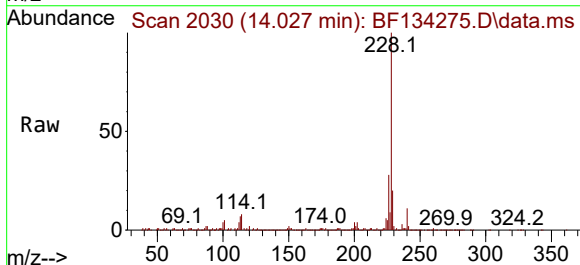


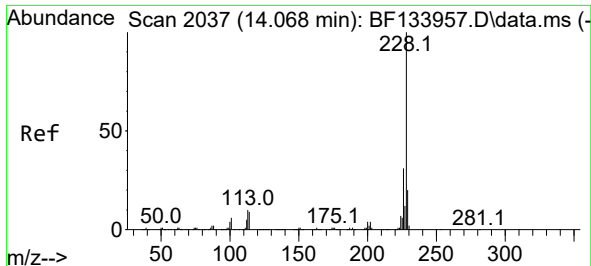
Tgt Ion:244 Resp: 297057
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 9.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 28.730 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

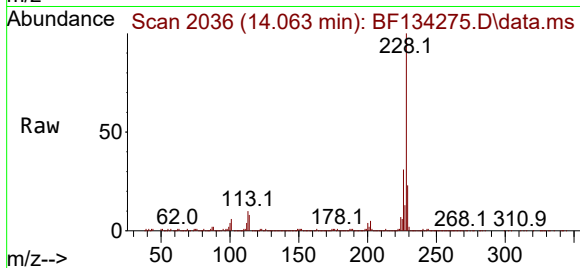
Tgt Ion:228 Resp: 333714
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.0 33.0
 229 20.3 16.3 24.5



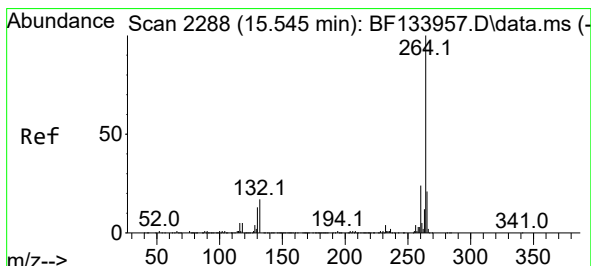
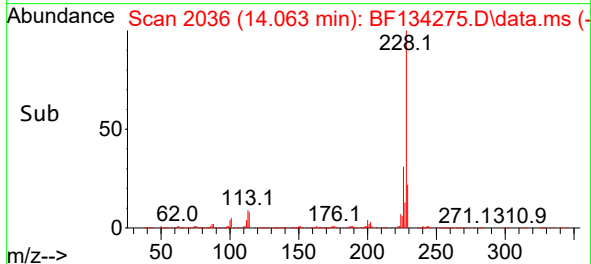
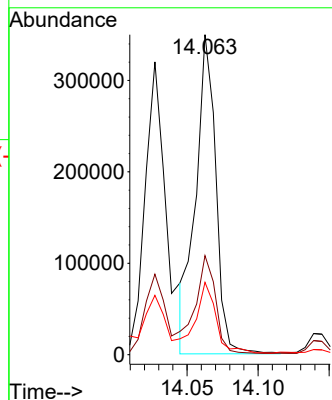


#83
Chrysene
Concen: 30.579 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_G
ClientSampleId :

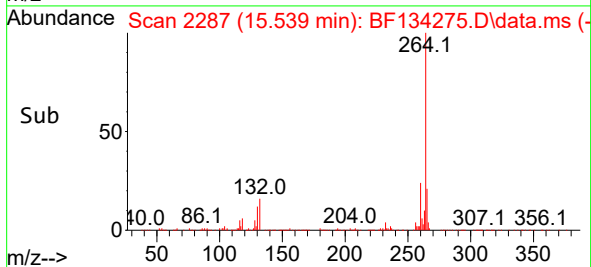
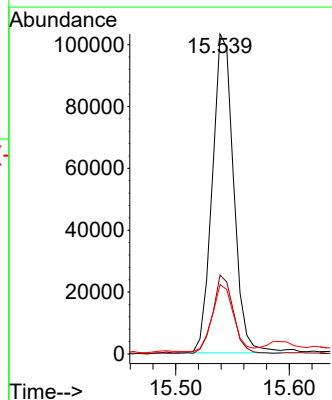
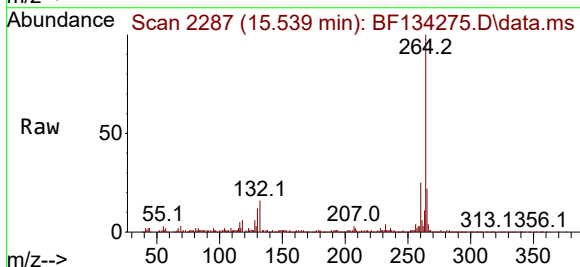


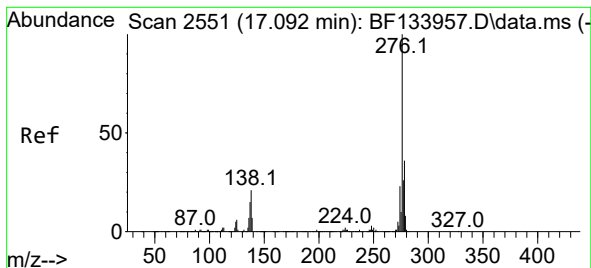
Tgt Ion:228 Resp: 344027
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.6 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:264 Resp: 134331
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.517 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :

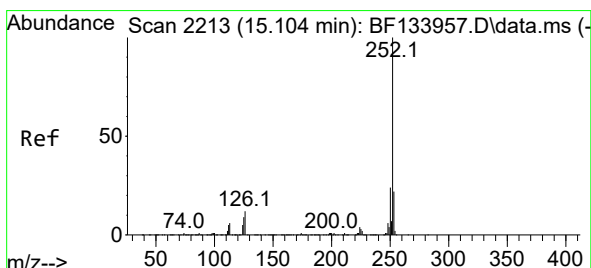
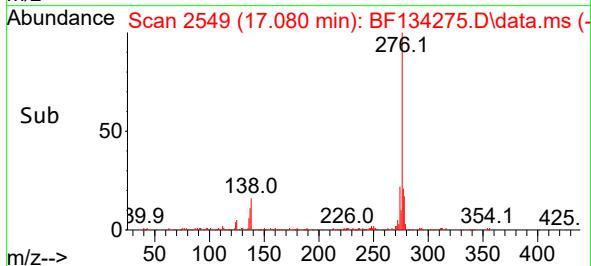
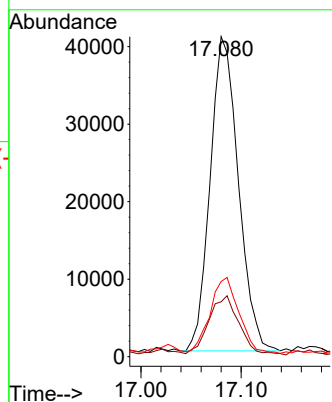
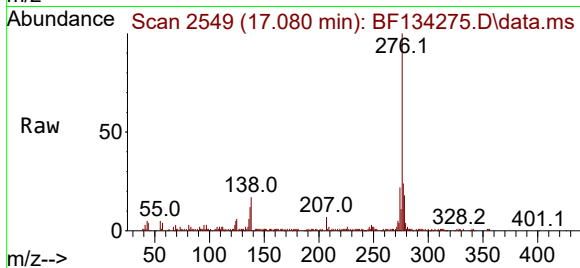
Tgt Ion:276 Resp: 79393

Ion Ratio Lower Upper

276 100

138 20.1 18.7 28.1

277 24.6 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 52.003 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

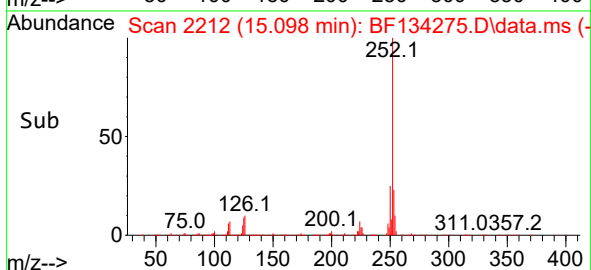
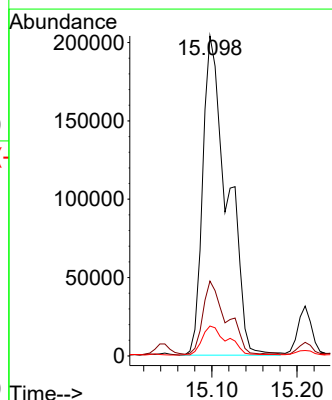
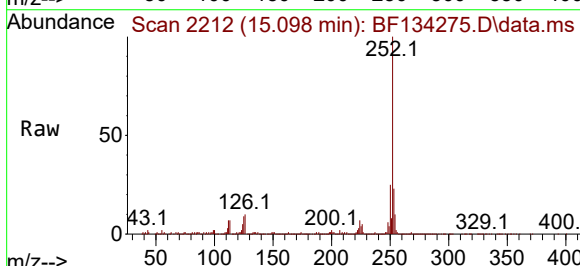
Tgt Ion:252 Resp: 410757

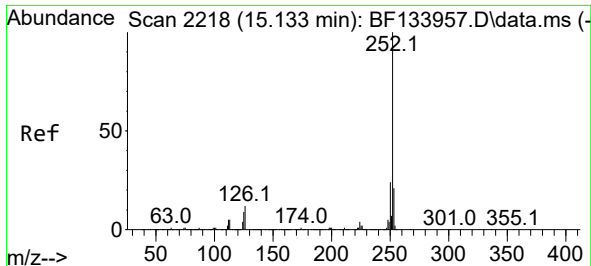
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 9.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 51.075 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_G

ClientSampleId :

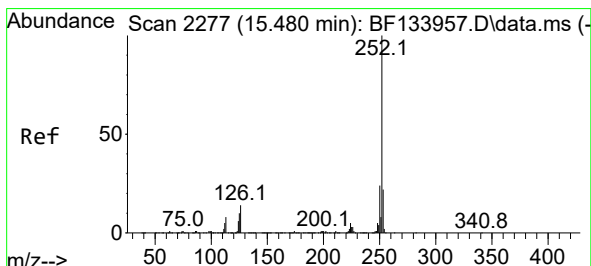
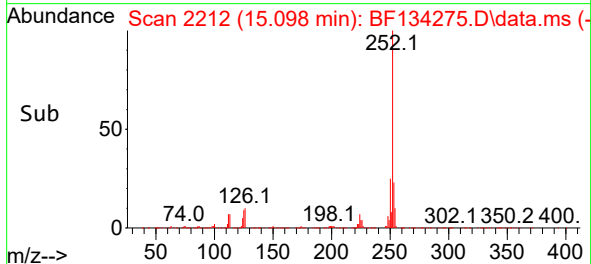
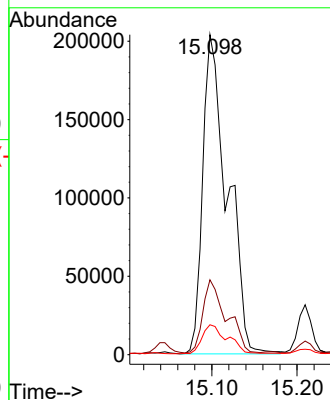
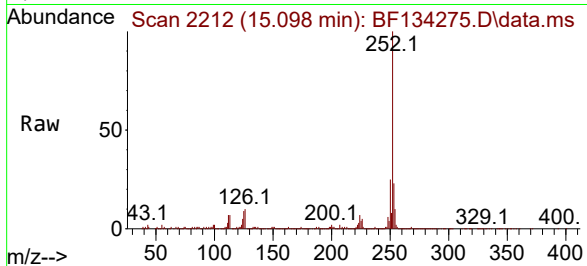
Tgt Ion:252 Resp: 410757

Ion Ratio Lower Upper

252 100

253 23.4 16.9 25.3

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 16.771 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.071 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

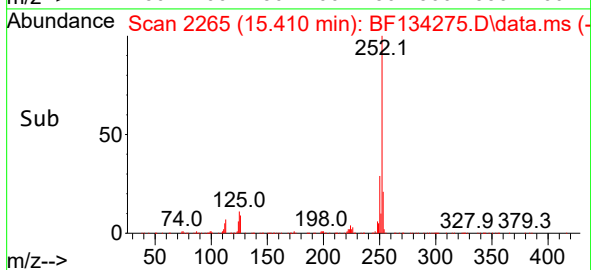
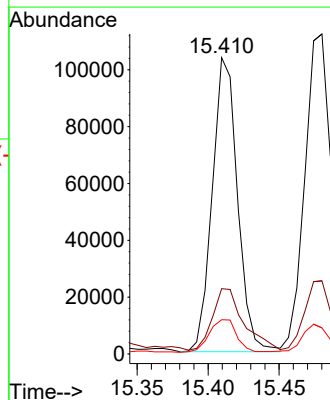
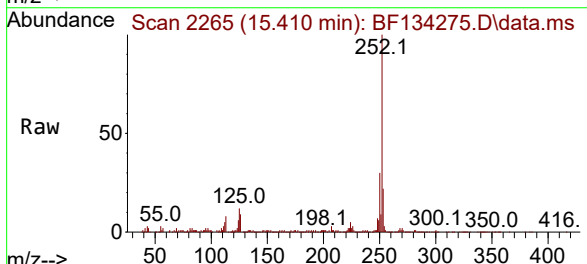
Tgt Ion:252 Resp: 128099

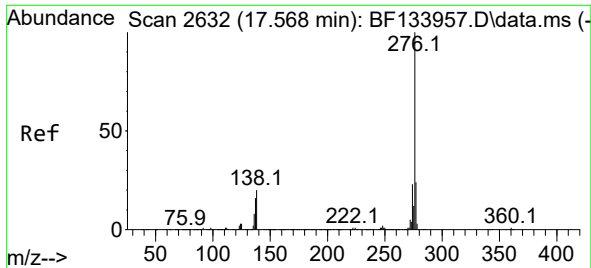
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

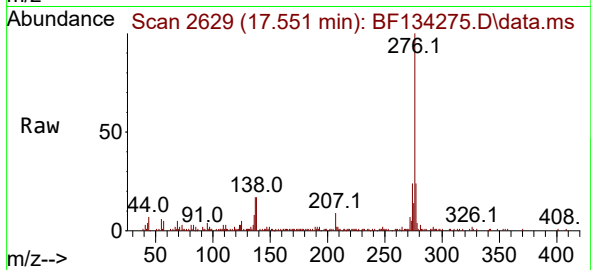
125 11.6 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 9.468 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:	276	Resp:	74337
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.6
138	17.3	16.2	24.2

