

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134655.D
 Acq On : 07 Aug 2023 15:42
 Operator : CG\JU
 Sample : 03897-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE

Quant Time: Aug 08 01:22:04 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

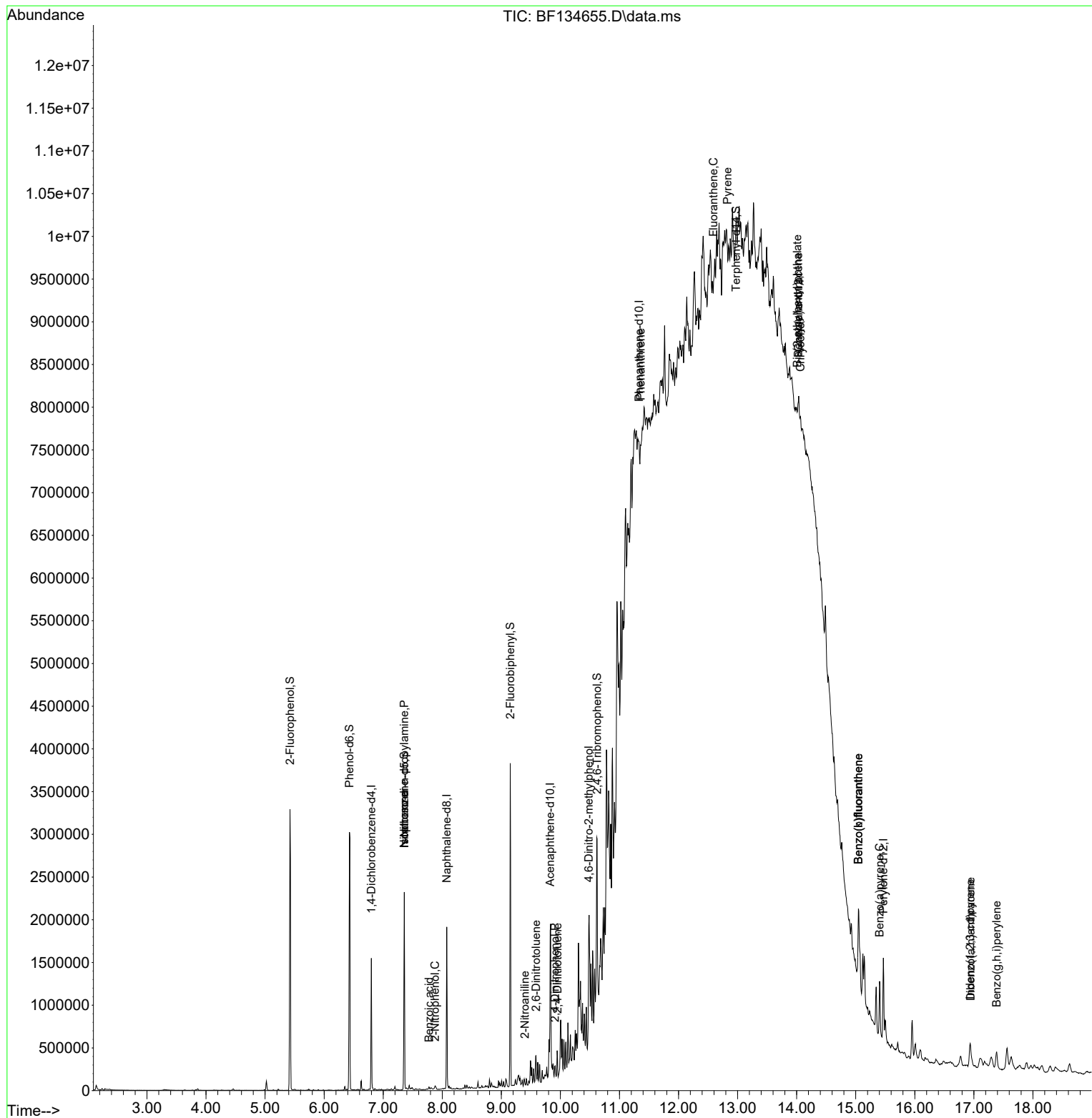
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	195057	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	712324	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	304804	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	250436	20.000	ng	# 0.01
76) Chrysene-d12	14.033	240	202307	20.000	ng	0.06
86) Perylene-d12	15.468	264	439576	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	915779	71.368	ng	0.00
7) Phenol-d6	6.428	99	1137981	69.376	ng	-0.01
23) Nitrobenzene-d5	7.357	82	648146	56.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222117	71.485	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1074135	58.594	ng	-0.01
79) Terphenyl-d14	12.975	244	402514	35.074	ng	0.05
Target Compounds						
9) Benzaldehyde	6.351	77	8670	Below Cal		Qvalue 93
19) n-Nitroso-di-n-propyla...	7.357	70	88746	9.036	ng	# 75
25) Isophorone	7.357	82	644519	25.925	ng	# 65
26) 2-Nitrophenol	7.875	139	60	4.803	ng	# 1
32) Benzoic acid	7.775	122	5436	8.495	ng	92
48) 2-Nitroaniline	9.398	65	327	3.221	ng	# 87
51) 2,6-Dinitrotoluene	9.586	165	18895	6.704	ng	# 20
54) 2,4-Dinitrophenol	9.904	184	60	6.828	ng	# 1
57) 2,4-Dinitrotoluene	9.951	165	1281	3.085	ng	# 42
65) 4,6-Dinitro-2-methylph...	10.481	198	571	9.161	ng	# 1
71) Phenanthrene	11.357	178	113318	8.519	ng	# 77
75) Fluoranthene	12.592	202	237943	16.934	ng	78
78) Pyrene	12.827	202	197616	11.289	ng	# 76
81) Benzo(a)anthracene	14.027	228	175880	12.158	ng	95
83) Chrysene	14.063	228	195122	13.845	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	15720	2.257	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.939	276	190725	7.377	ng	# 95
88) Benzo(b)fluoranthene	15.045	252	708700	26.435	ng	# 92
89) Benzo(k)fluoranthene	15.045	252	708700	26.537	ng	# 93
90) Benzo(a)pyrene	15.404	252	316464	12.660	ng	# 93
91) Dibenzo(a,h)anthracene	16.945	278	45261	2.166	ng	# 83
92) Benzo(g,h,i)perylene	17.386	276	170725	8.011	ng	# 93

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

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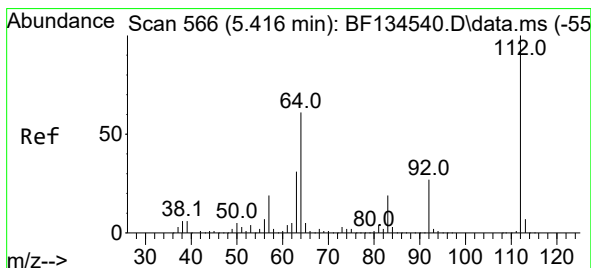
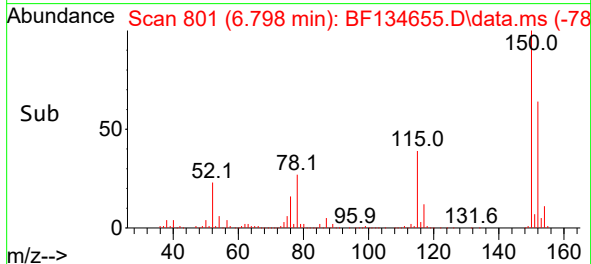
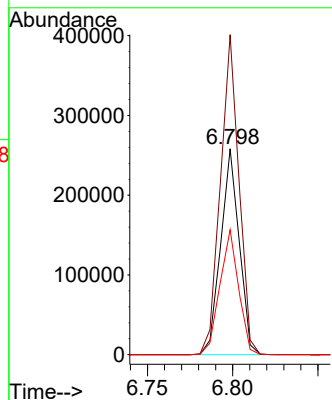
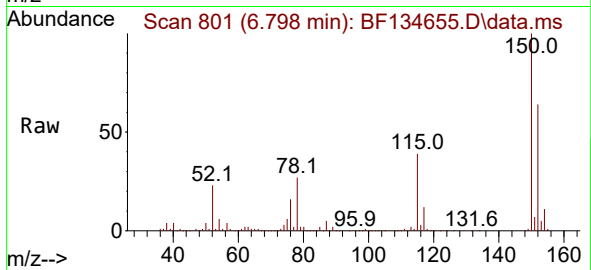




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

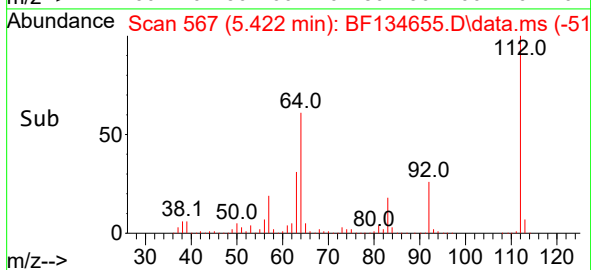
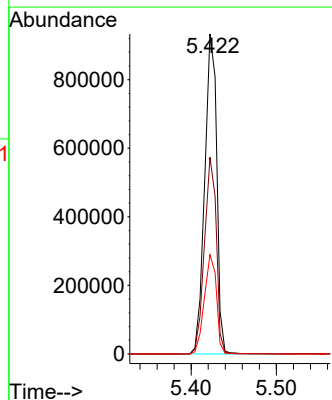
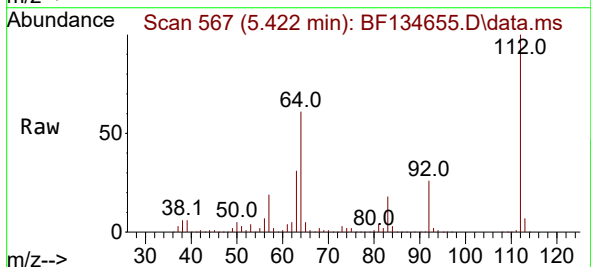
Instrument :
BNA_F
ClientSampleId :
WC-1RE

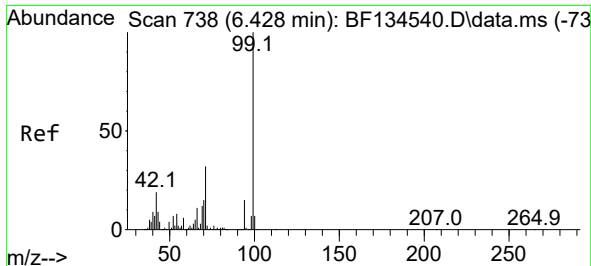
Tgt Ion:152 Resp: 195057
Ion Ratio Lower Upper
152 100
150 155.4 128.3 192.5
115 60.7 52.4 78.6



#5
2-Fluorophenol
Concen: 71.368 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion:112 Resp: 915779
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 31.0 25.4 38.0

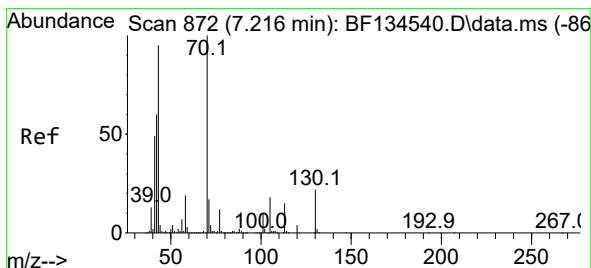
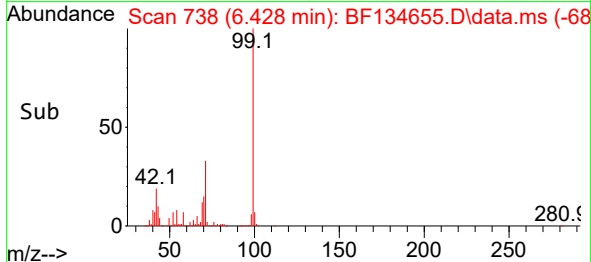
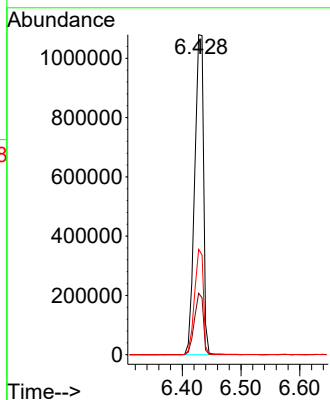
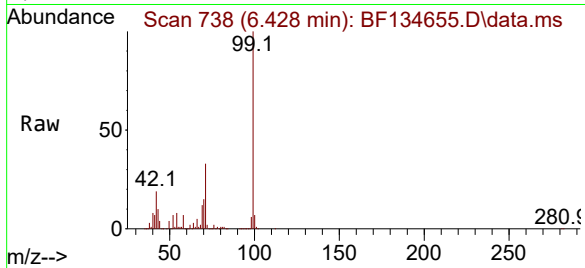




#7
Phenol-d6
Concen: 69.376 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

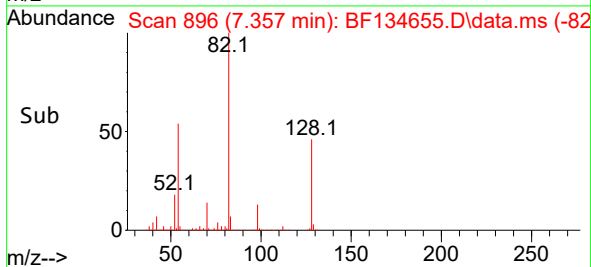
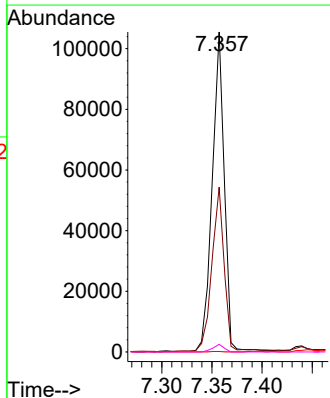
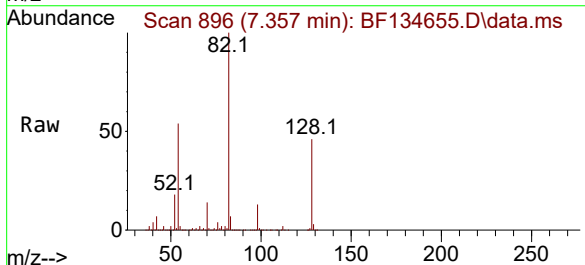
Instrument :
BNA_F
ClientSampleId :
WC-1RE

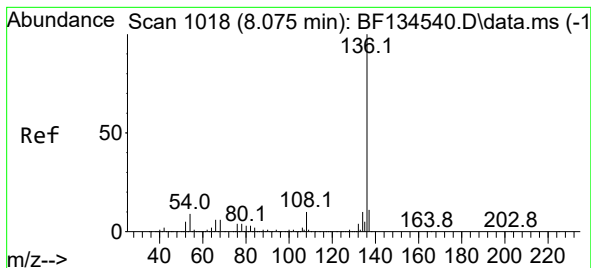
Tgt Ion: 99 Resp: 1137981
Ion Ratio Lower Upper
99 100
42 19.2 18.7 28.1
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.036 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion: 70 Resp: 88746
Ion Ratio Lower Upper
70 100
42 51.5 54.7 82.1#
101 0.2 8.2 12.2#
130 2.4 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

Tgt Ion:136 Resp: 712324

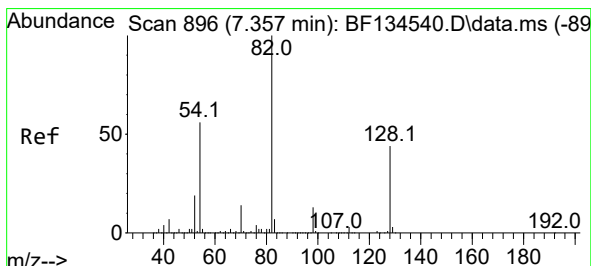
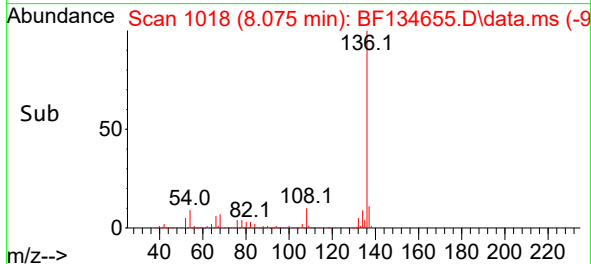
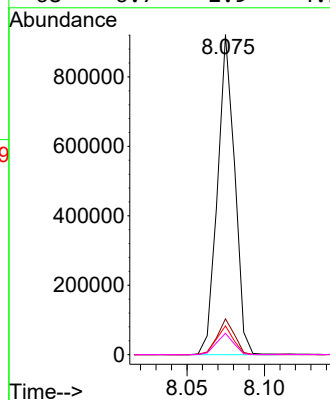
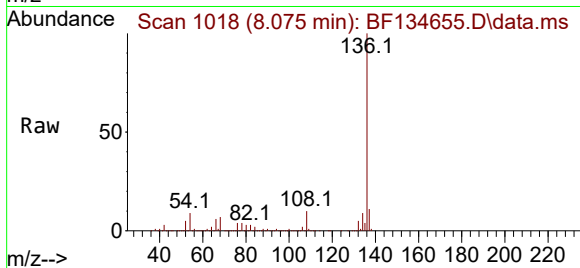
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.0 5.2 7.8#

68 6.7 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 56.862 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

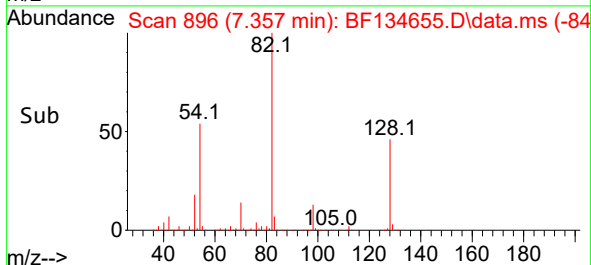
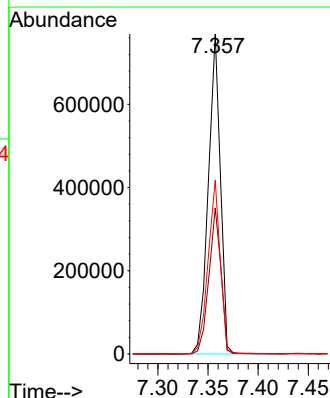
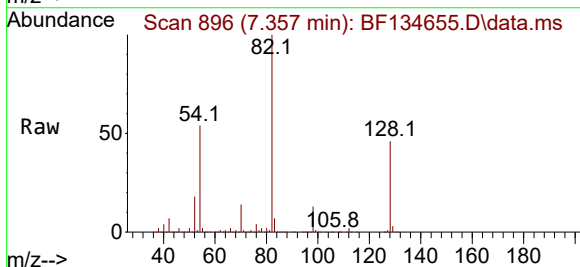
Tgt Ion: 82 Resp: 648146

Ion Ratio Lower Upper

82 100

128 45.7 34.3 51.5

54 54.3 43.8 65.6

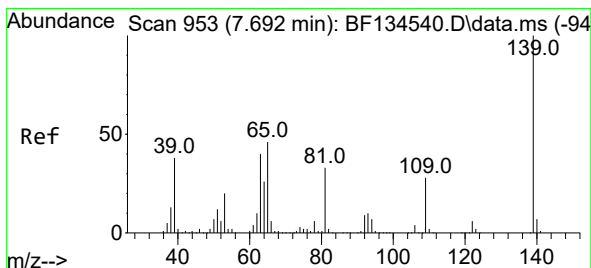
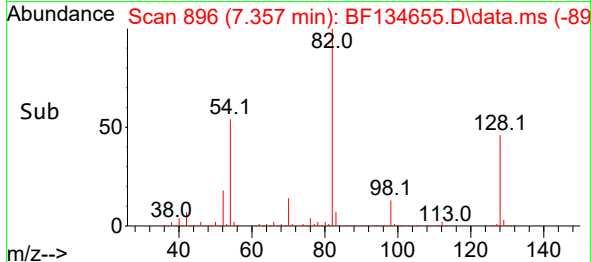
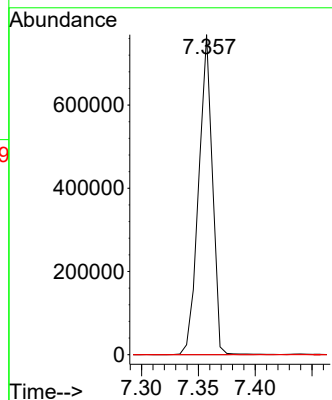
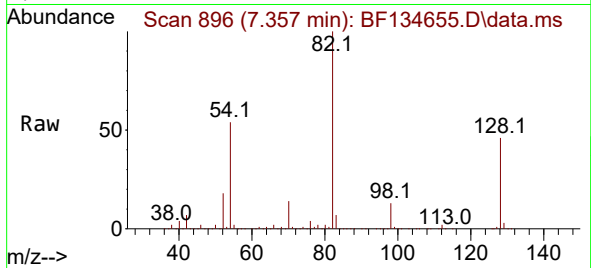




#25
Isophorone
Concen: 25.925 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

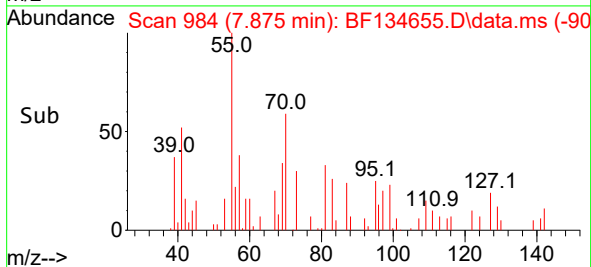
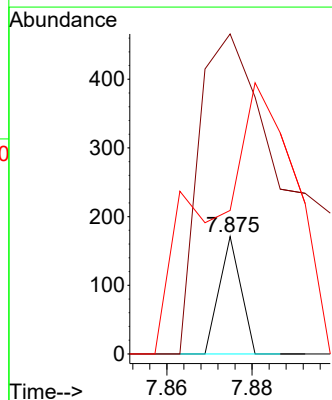
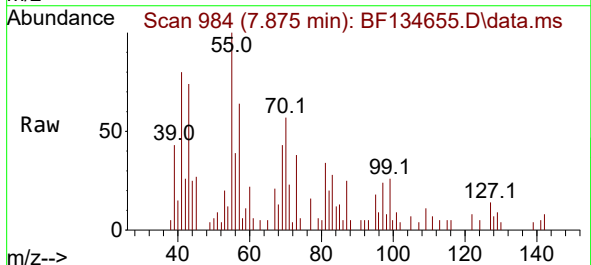
Instrument :
BNA_F
Client SampleId :
WC-1RE

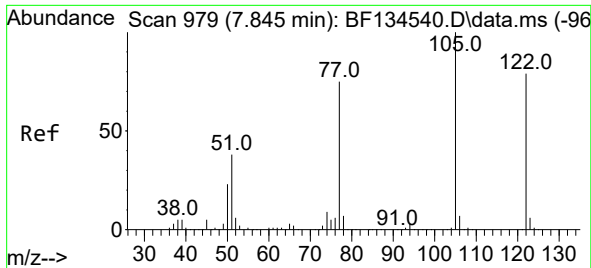
Tgt Ion: 82 Resp: 644519
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.803 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.177 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 272.5 29.8 44.6#
65 122.2 45.4 68.2#

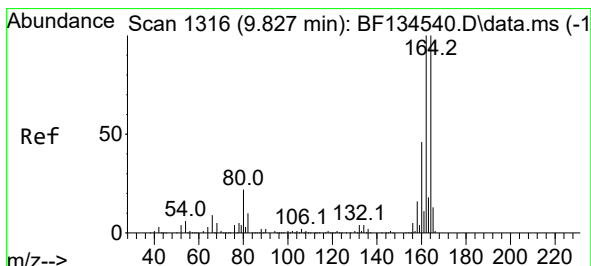
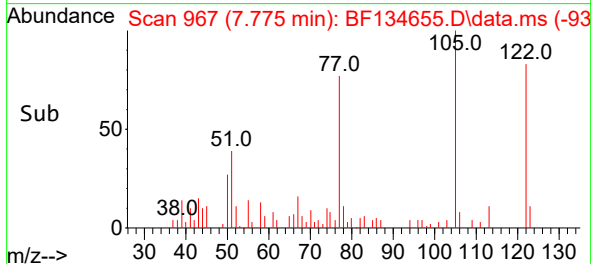
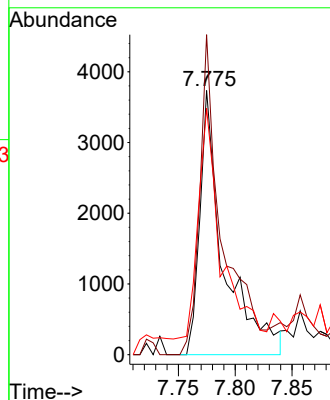
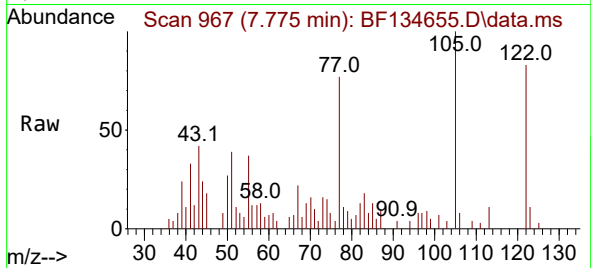




#32
Benzoic acid
Concen: 8.495 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.088 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

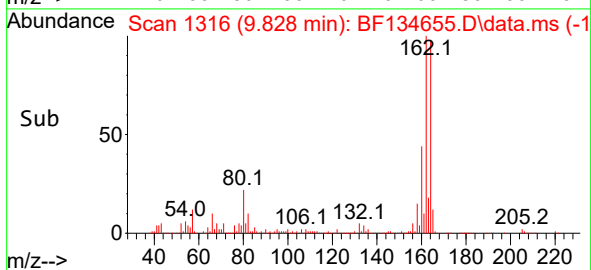
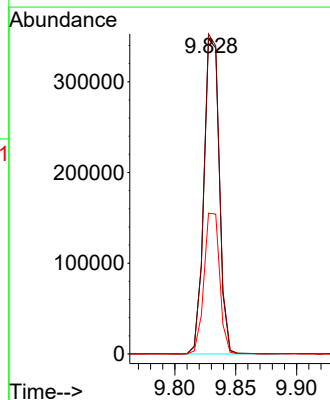
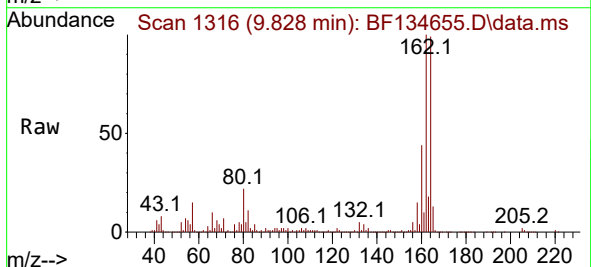
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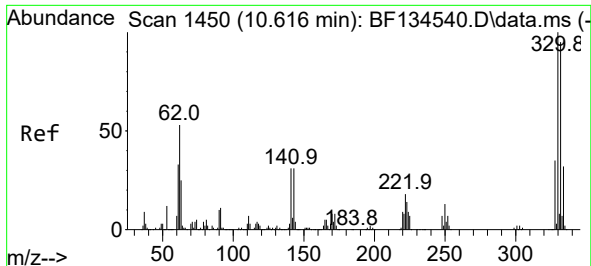
Tgt Ion:122 Resp: 5436
Ion Ratio Lower Upper
122 100
105 121.1 87.5 127.5
77 93.3 71.4 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

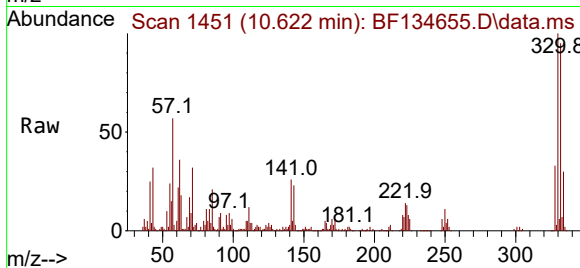
Tgt Ion:164 Resp: 304804
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 44.7 37.2 55.8



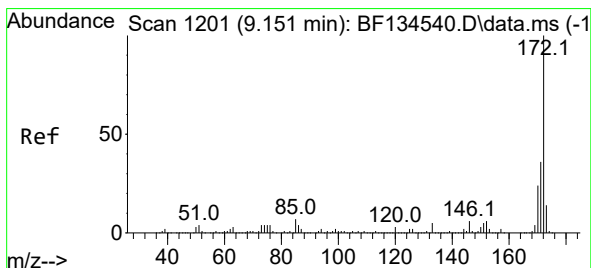
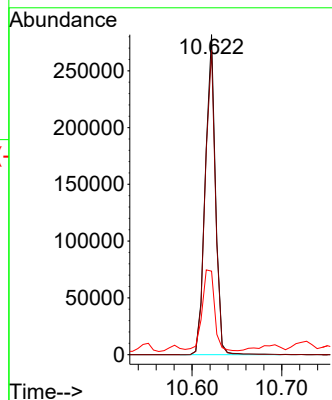
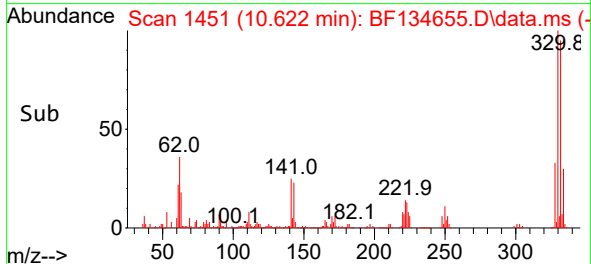


#42
 2,4,6-Tribromophenol
 Concen: 71.485 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

Instrument :
 BNA_F
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 WC-1RE

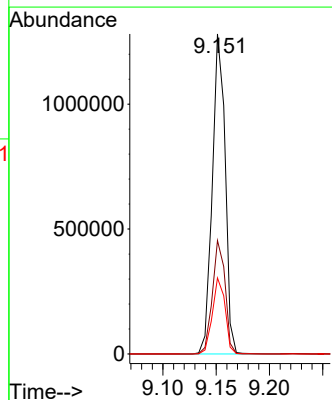
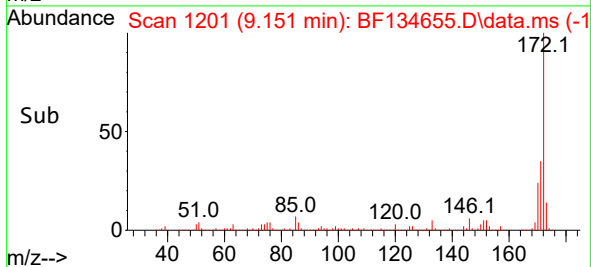
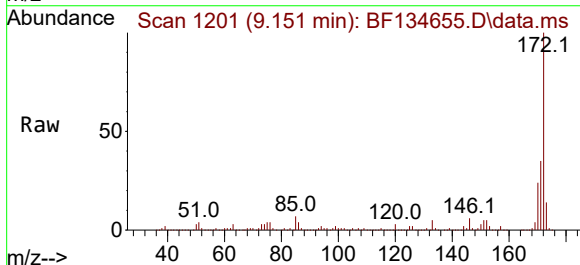


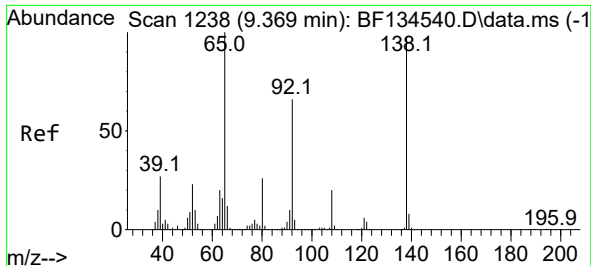
Tgt Ion:330 Resp: 222117
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.8 118.2
 141 30.6 25.4 38.2



#45
 2-Fluorobiphenyl
 Concen: 58.594 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

Tgt Ion:172 Resp: 1074135
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.8 43.2
 170 23.8 18.7 28.1





#48

2-Nitroaniline

Concen: 3.221 ng

RT: 9.398 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

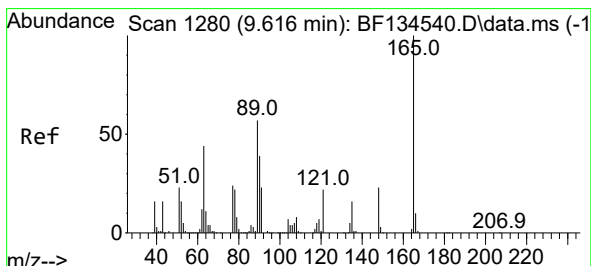
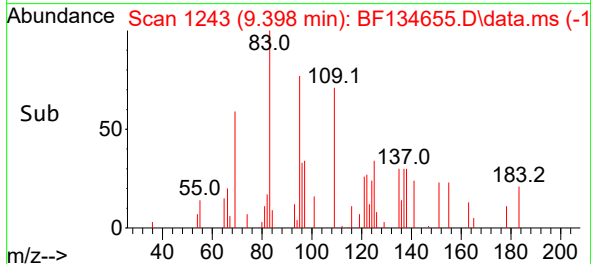
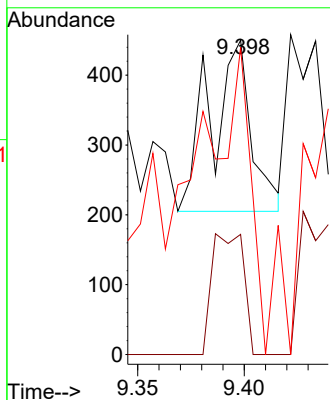
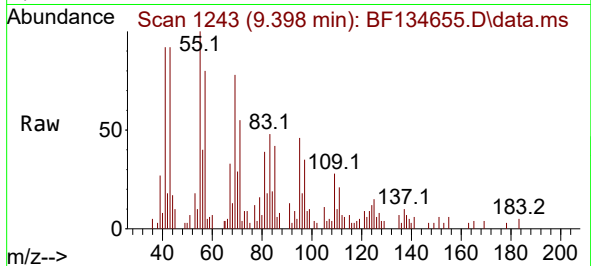
Tgt Ion: 65 Resp: 327

Ion Ratio Lower Upper

65 100

92 38.2 50.7 76.1#

138 97.8 78.2 117.4



#51

2,6-Dinitrotoluene

Concen: 6.704 ng

RT: 9.586 min Scan# 1275

Delta R.T. -0.041 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

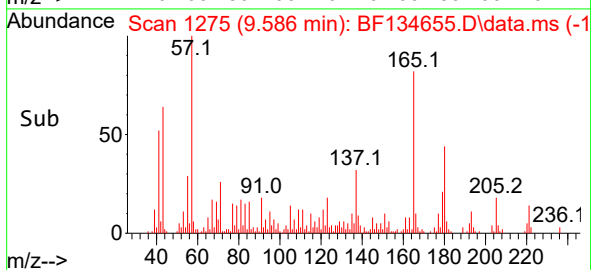
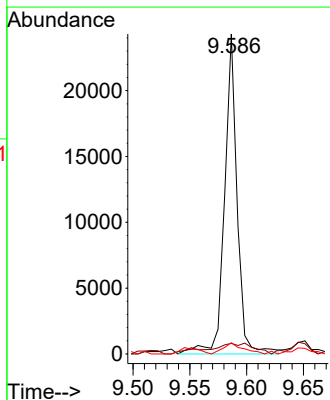
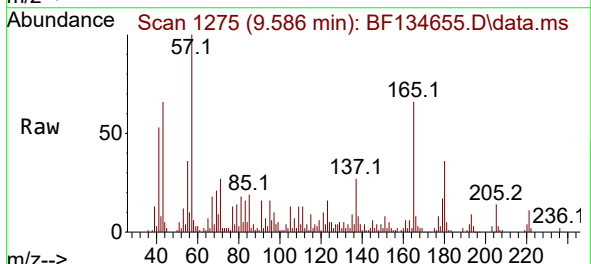
Tgt Ion: 165 Resp: 18895

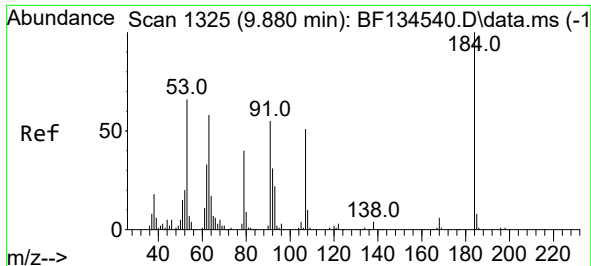
Ion Ratio Lower Upper

165 100

63 3.3 57.8 86.6#

89 3.5 51.8 77.8#

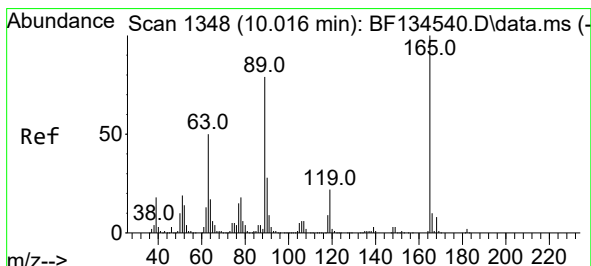
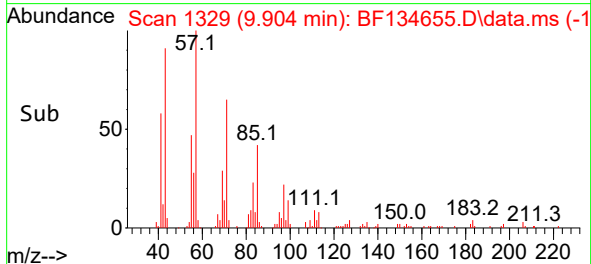
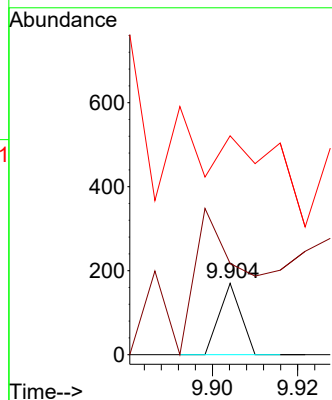
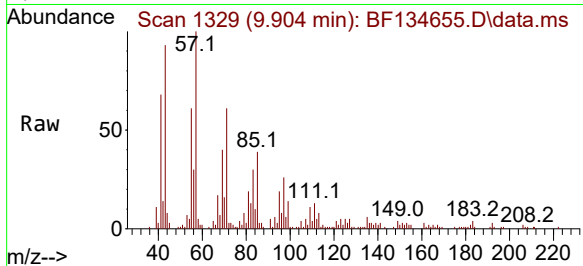




#54
2,4-Dinitrophenol
Concen: 6.828 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

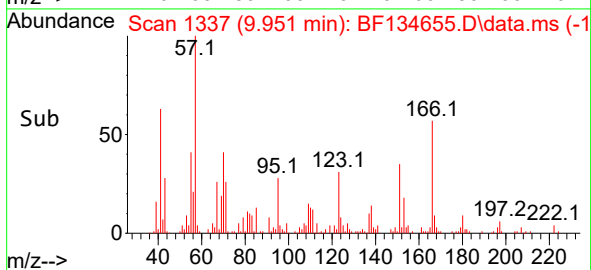
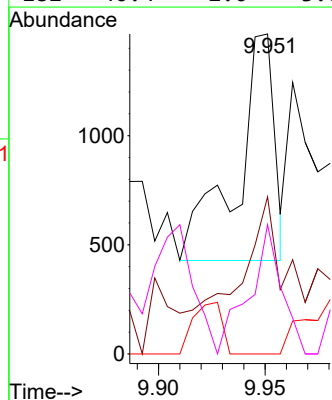
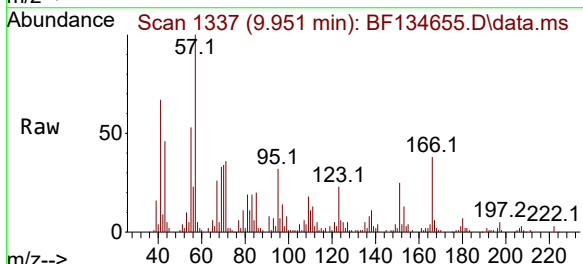
Instrument :
BNA_F
ClientSampleId :
WC-1RE

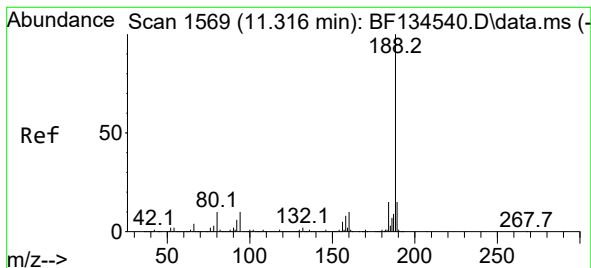
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 127.6 57.1 85.7#
154 306.5 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.085 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.076 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion:165 Resp: 1281
Ion Ratio Lower Upper
165 100
63 49.1 48.9 73.3
89 0.0 61.7 92.5#
182 40.4 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

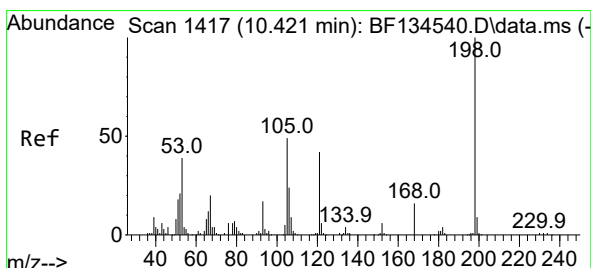
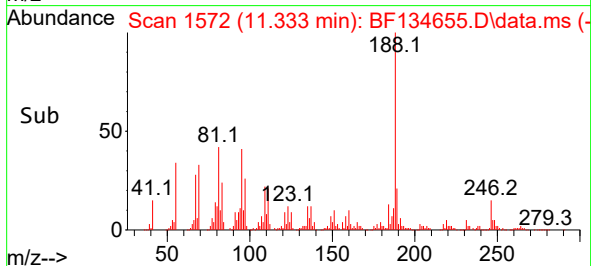
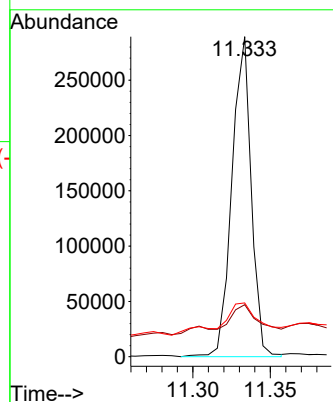
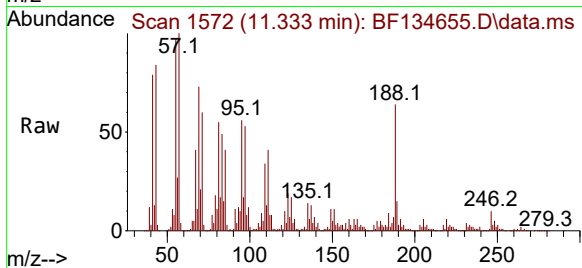
Tgt Ion:188 Resp: 250436

Ion Ratio Lower Upper

188 100

94 16.2 5.1 7.7#

80 16.8 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.161 ng

RT: 10.481 min Scan# 1427

Delta R.T. 0.041 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

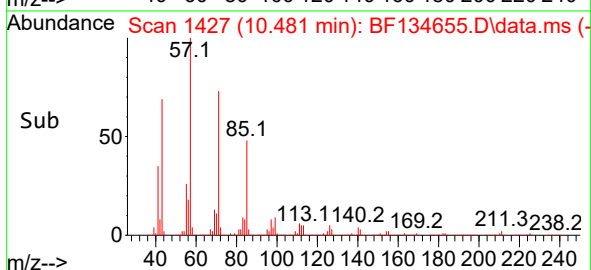
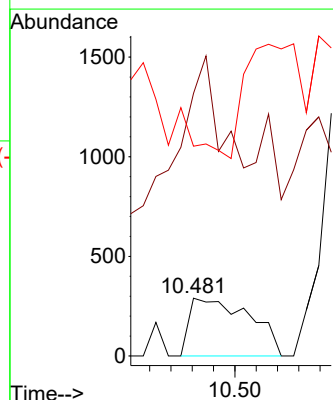
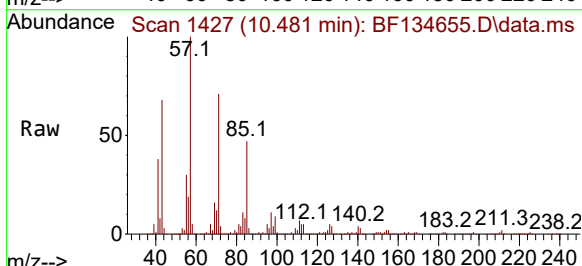
Tgt Ion:198 Resp: 571

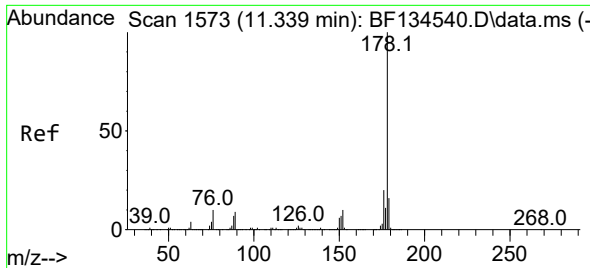
Ion Ratio Lower Upper

198 100

51 454.5 38.6 78.6#

105 363.1 27.9 67.9#

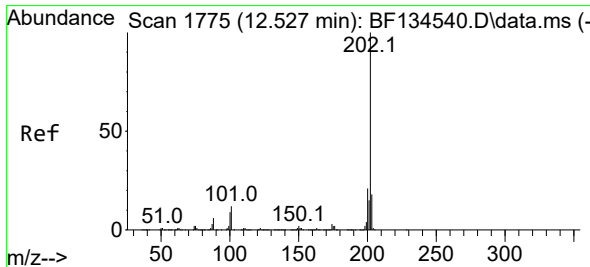
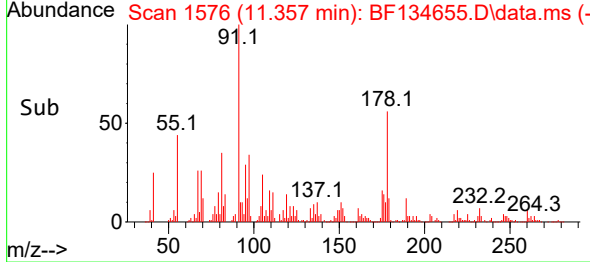
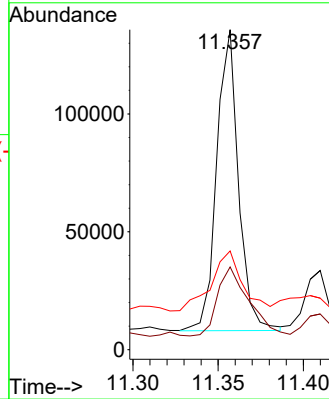
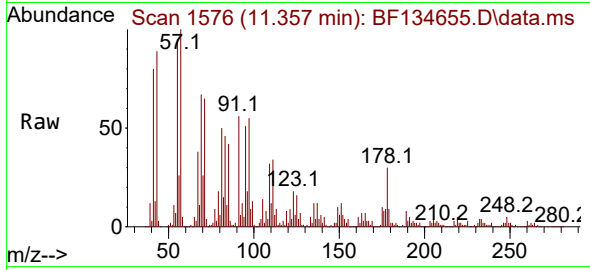




#71
Phenanthrene
Concen: 8.519 ng
RT: 11.357 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

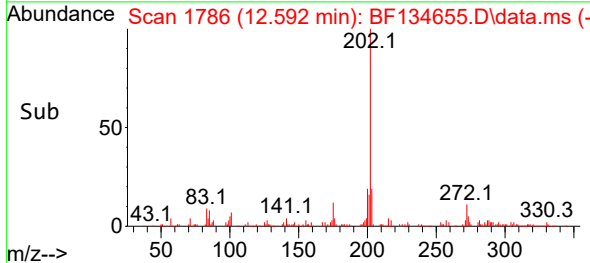
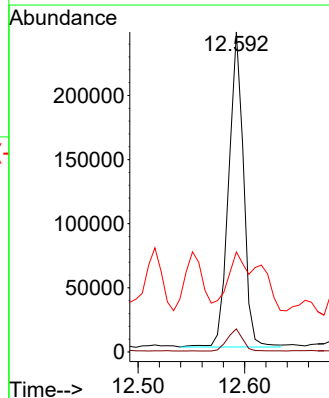
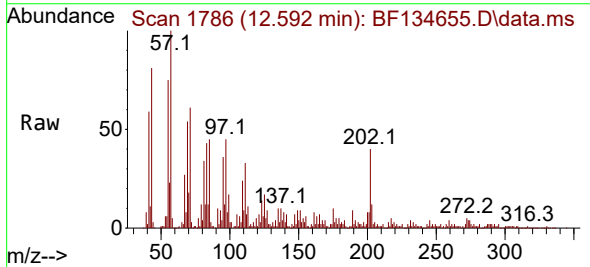
Instrument :
BNA_F
ClientSampleId :
WC-1RE

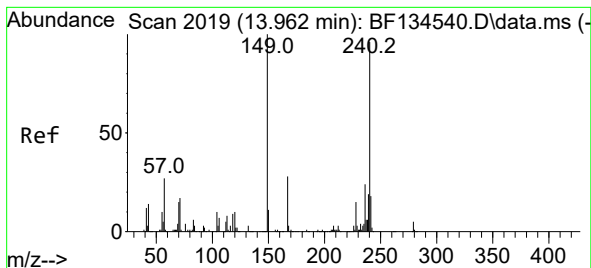
Tgt Ion:178 Resp: 113318
Ion Ratio Lower Upper
178 100
176 25.8 15.8 23.6#
179 30.9 12.7 19.1#



#75
Fluoranthene
Concen: 16.934 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.053 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion:202 Resp: 237943
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.5
203 31.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2019

Delta R.T. 0.059 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

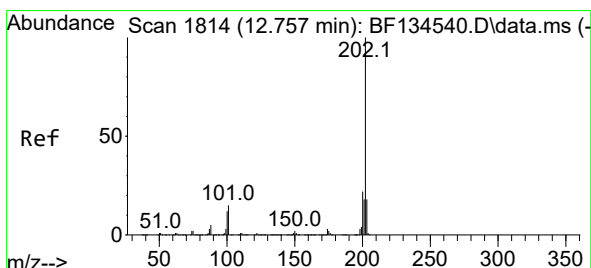
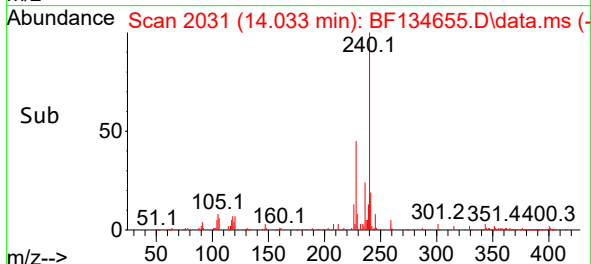
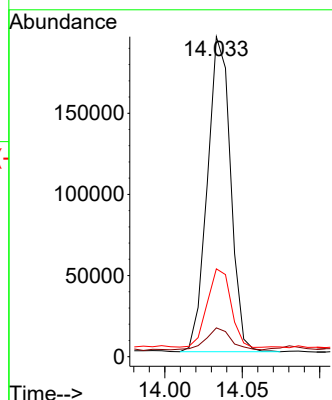
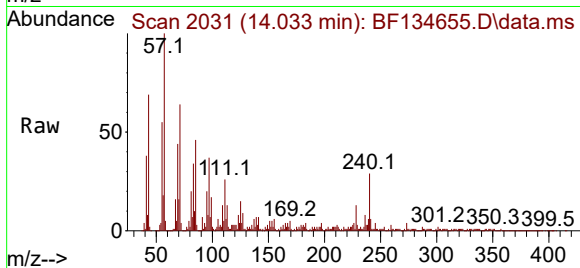
Tgt Ion:240 Resp: 202307

Ion Ratio Lower Upper

240 100

120 9.0 6.6 10.0

236 27.5 20.2 30.2



#78

Pyrene

Concen: 11.289 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.059 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

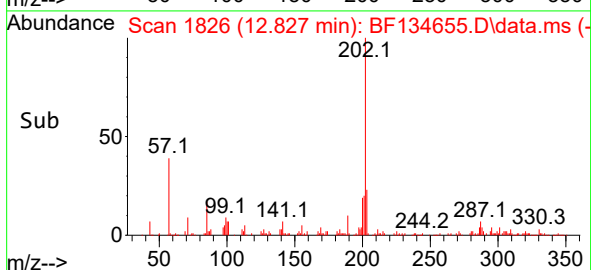
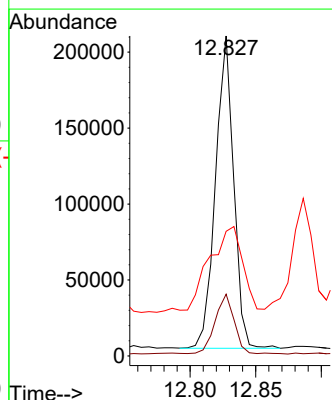
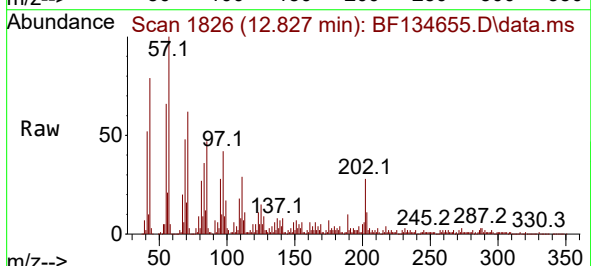
Tgt Ion:202 Resp: 197616

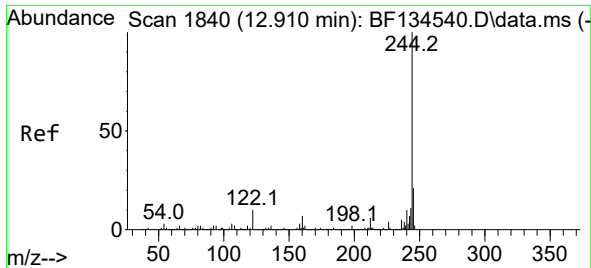
Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.8

203 39.0 13.5 20.3#

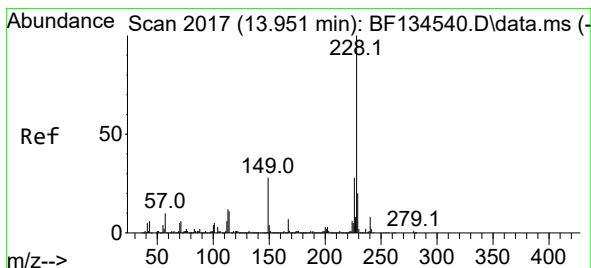
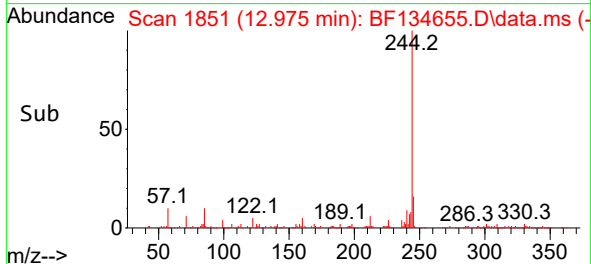
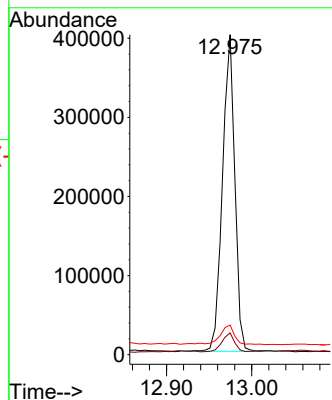
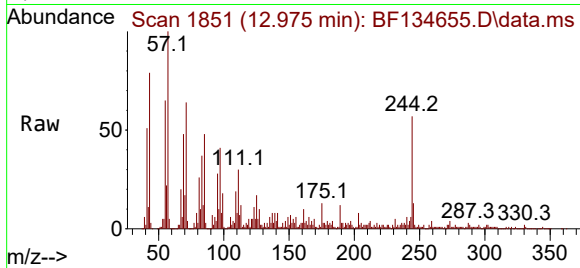




#79
 Terphenyl-d14
 Concen: 35.074 ng
 RT: 12.975 min Scan# 1840
 Delta R.T. 0.053 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

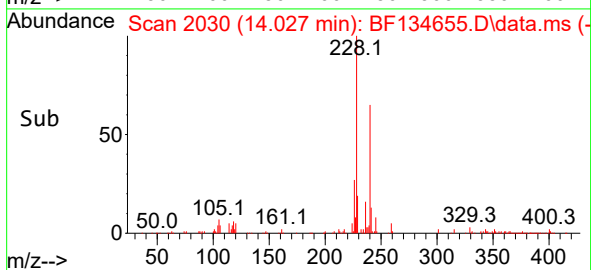
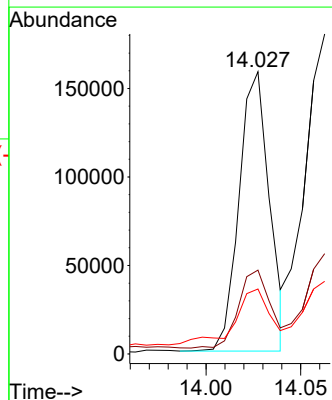
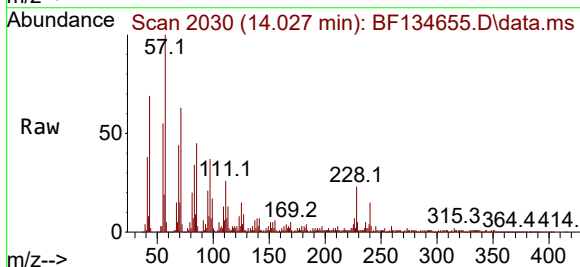
Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE

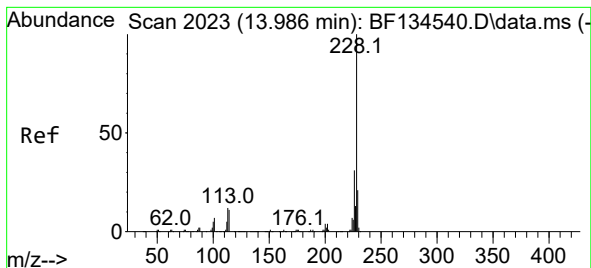
Tgt Ion:244 Resp: 402514
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.3 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 12.158 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.065 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

Tgt Ion:228 Resp: 175880
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 23.0 15.8 23.6





#83

Chrysene

Concen: 13.845 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.065 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

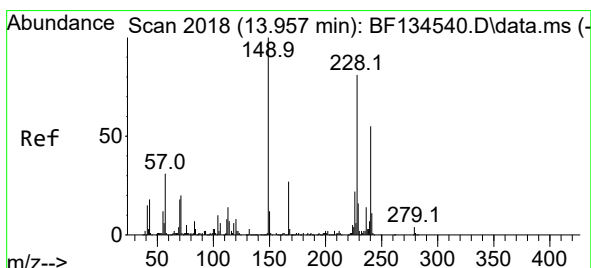
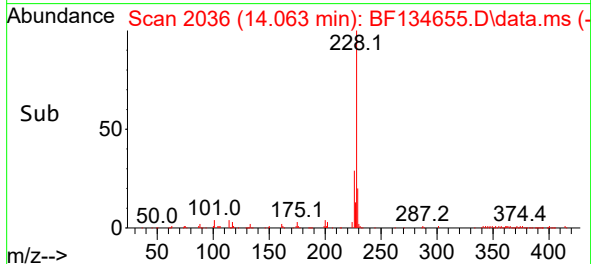
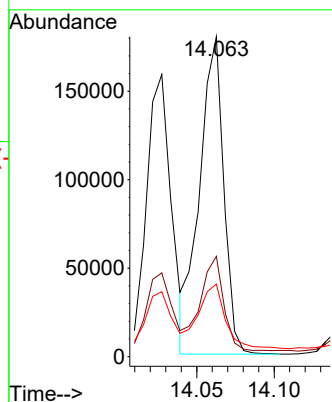
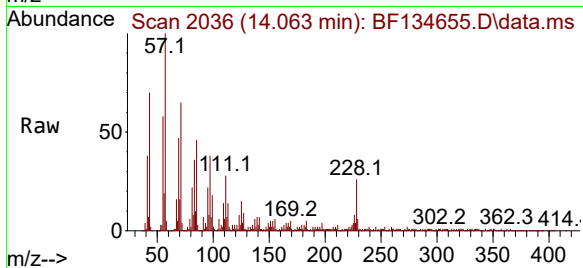
Tgt Ion:228 Resp: 195122

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

229 22.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.257 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.047 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

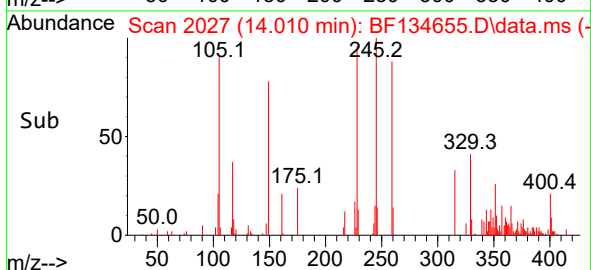
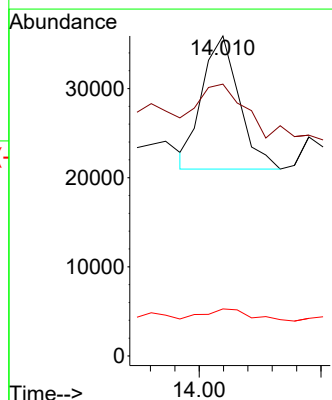
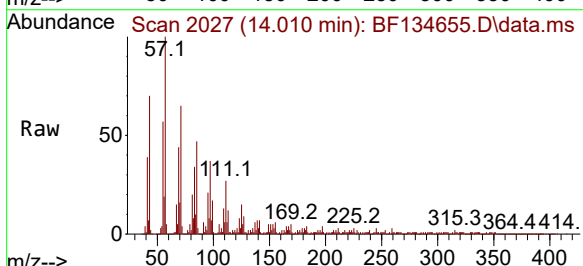
Tgt Ion:149 Resp: 15720

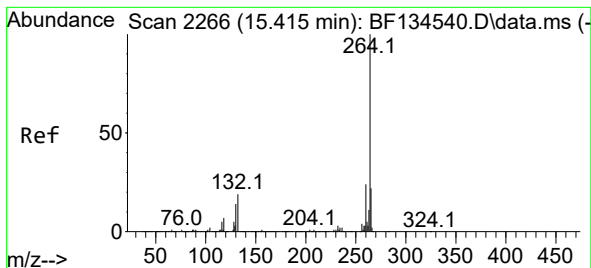
Ion Ratio Lower Upper

149 100

167 84.9 21.6 32.4#

279 14.7 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

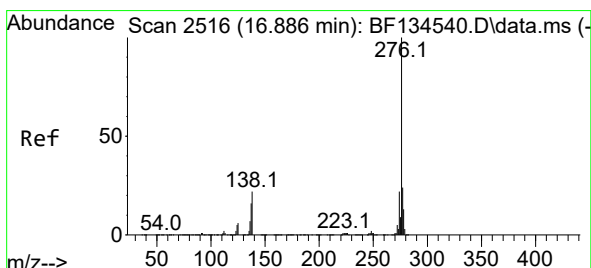
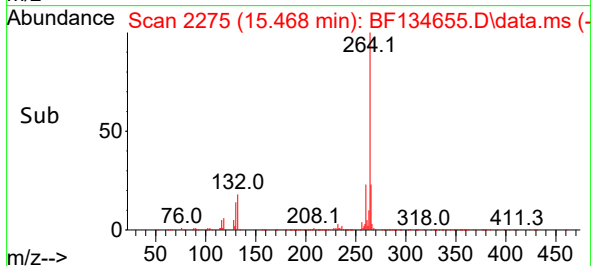
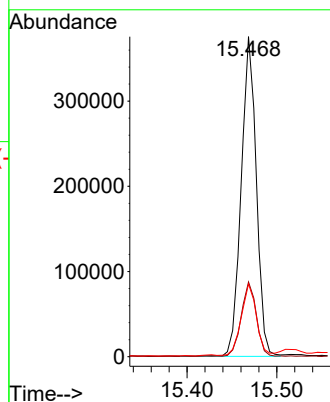
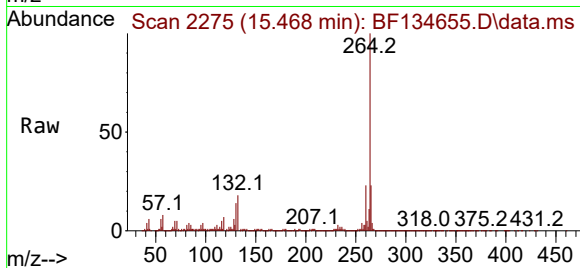
Tgt Ion:264 Resp: 439576

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 22.7 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.377 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

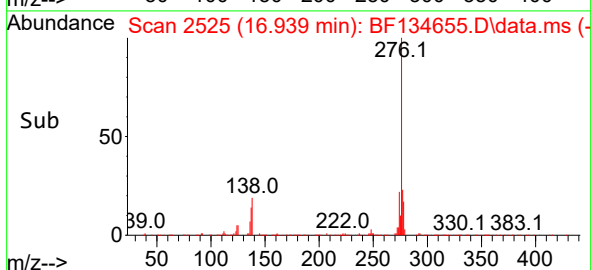
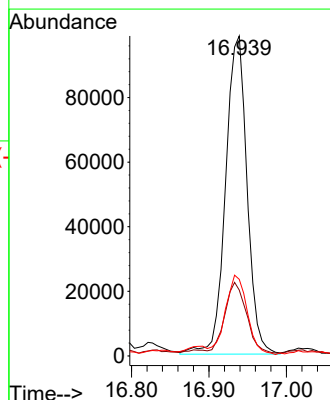
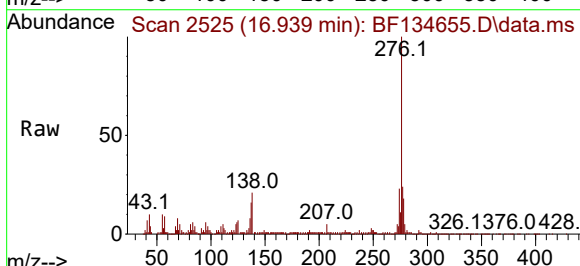
Tgt Ion:276 Resp: 190725

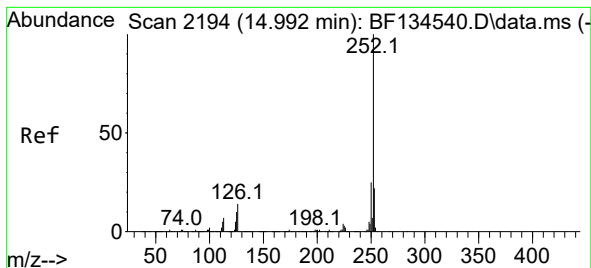
Ion Ratio Lower Upper

276 100

138 22.5 14.2 21.4#

277 25.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 26.435 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

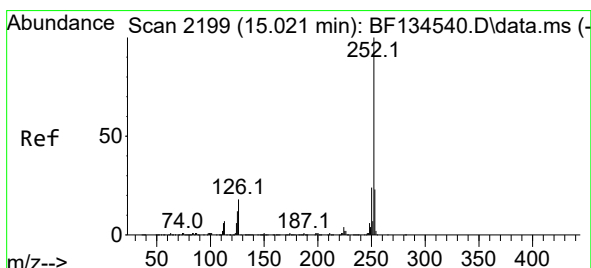
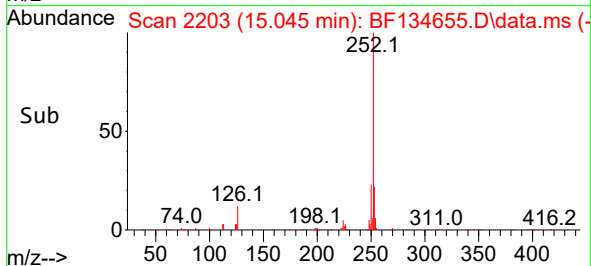
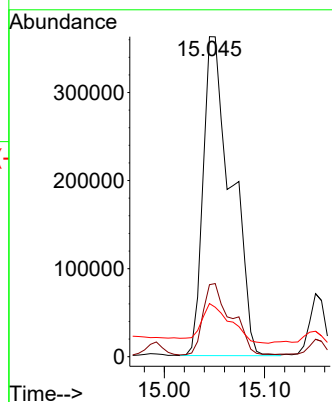
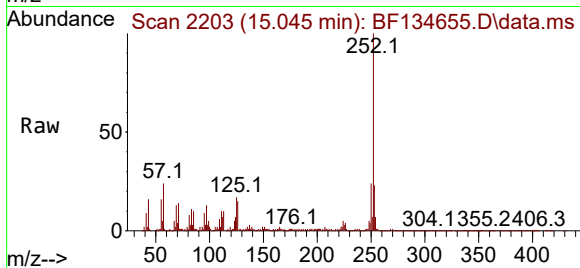
Tgt Ion:252 Resp: 708700

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 16.6 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 26.537 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

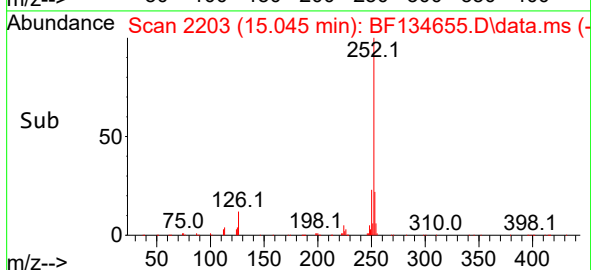
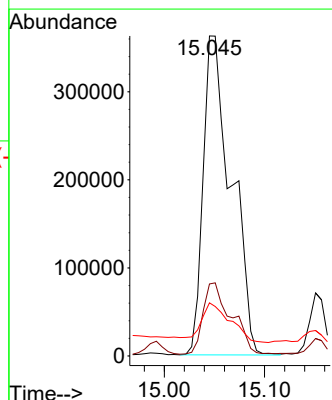
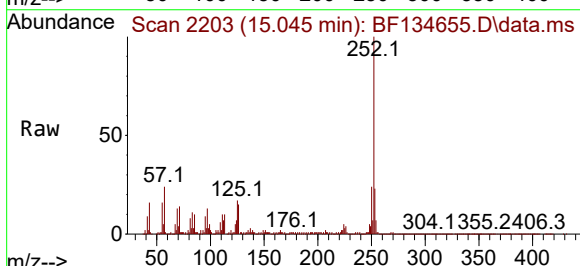
Tgt Ion:252 Resp: 708700

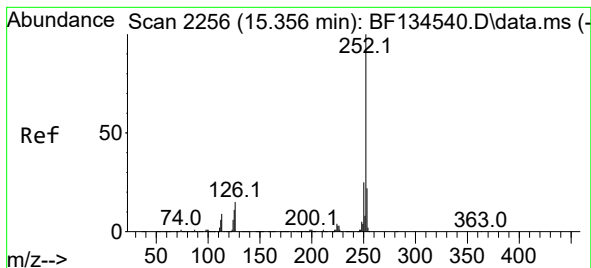
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 16.6 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 12.660 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

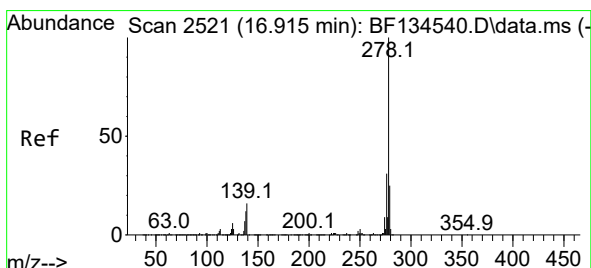
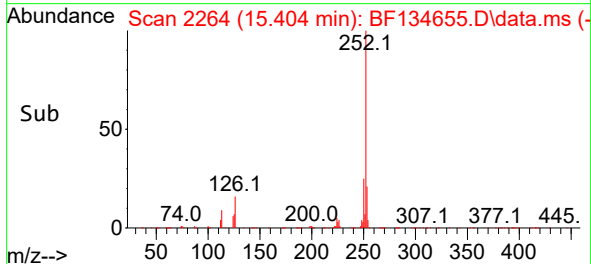
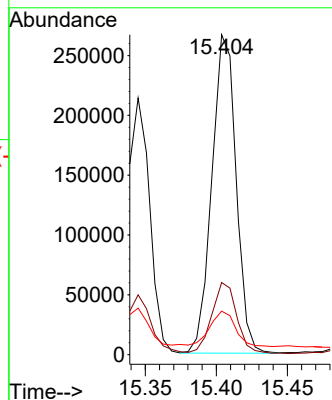
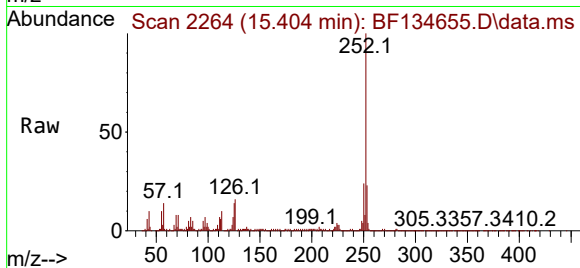
Tgt Ion:252 Resp: 316464

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 13.6 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.166 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

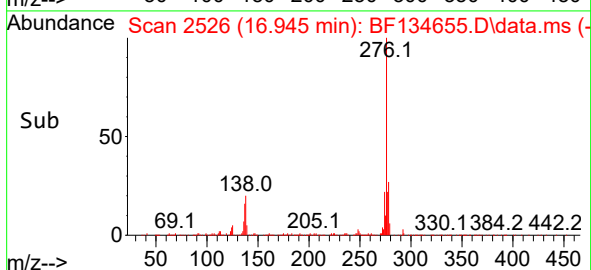
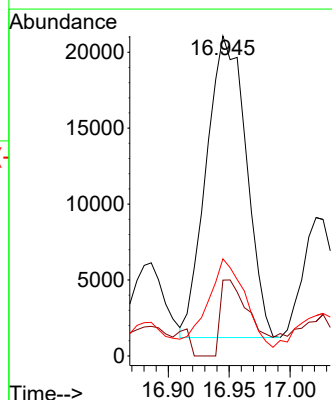
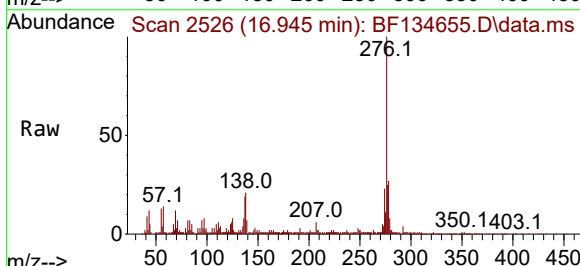
Tgt Ion:278 Resp: 45261

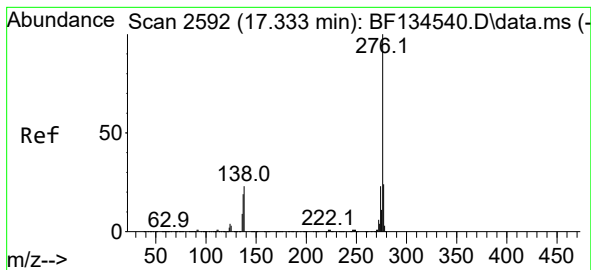
Ion Ratio Lower Upper

278 100

139 23.7 10.0 15.0#

279 30.4 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 8.011 ng

RT: 17.386 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF134655.D

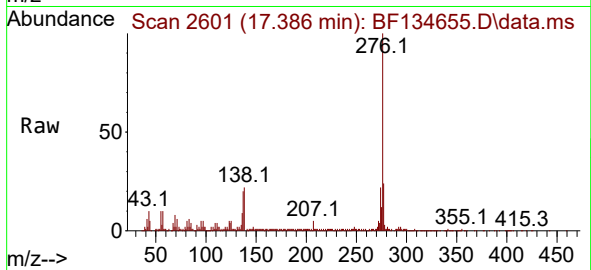
Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE



Tgt Ion:276 Resp: 170725

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.6

138 21.9 12.2 18.2#

