

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134647.D
 Acq On : 07 Aug 2023 11:23
 Operator : CG\JU
 Sample : 03897-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Aug 08 01:19:57 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

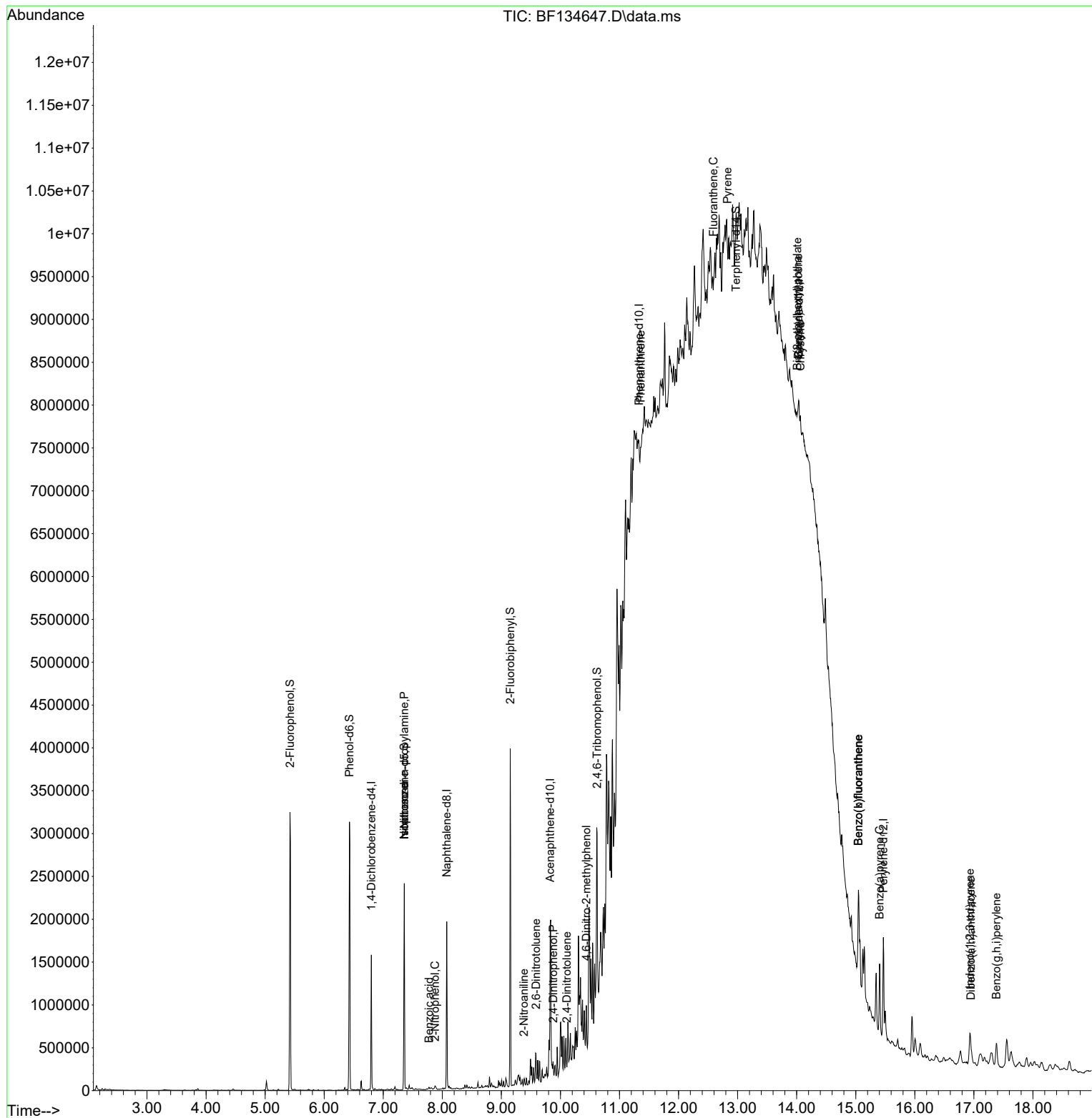
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	198959	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	734573	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	313477	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	246007	20.000	ng	# 0.01
76) Chrysene-d12	14.039	240	205239	20.000	ng	0.06
86) Perylene-d12	15.468	264	547002	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	927796	70.886	ng	0.00
7) Phenol-d6	6.428	99	1171376	70.012	ng	-0.01
23) Nitrobenzene-d5	7.357	82	674464	57.379	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	228833	71.609	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1112716	59.019	ng	-0.01
79) Terphenyl-d14	12.974	244	398235	34.206	ng	0.05
Target Compounds						
9) Benzaldehyde	6.351	77	6032	Below Cal		Qvalue 92
19) n-Nitroso-di-n-propyla...	7.357	70	90778	9.062	ng	# 75
25) Isophorone	7.357	82	670299	26.145	ng	# 65
26) 2-Nitrophenol	7.875	139	174	4.821	ng	# 1
32) Benzoic acid	7.775	122	4855	8.411	ng	91
48) 2-Nitroaniline	9.381	65	234	3.204	ng	# 65
51) 2,6-Dinitrotoluene	9.586	165	17984	6.390	ng	# 20
54) 2,4-Dinitrophenol	9.880	184	143	6.890	ng	# 1
57) 2,4-Dinitrotoluene	10.110	165	1523	3.122	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.439	198	146	8.819	ng	# 1
71) Phenanthrene	11.357	178	113871	8.714	ng	# 75
75) Fluoranthene	12.592	202	234460	16.986	ng	77
78) Pyrene	12.827	202	200084	11.266	ng	# 77
81) Benzo(a)anthracene	14.027	228	172541	11.757	ng	93
83) Chrysene	14.063	228	191048	13.362	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	18549	2.625	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.933	276	258503	8.035	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	821737	24.632	ng	# 93
89) Benzo(k)fluoranthene	15.045	252	821737	24.726	ng	# 94
90) Benzo(a)pyrene	15.404	252	389004	12.506	ng	# 93
91) Dibenzo(a,h)anthracene	16.951	278	64442	2.479	ng	# 88
92) Benzo(g,h,i)perylene	17.380	276	221943	8.369	ng	# 92

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

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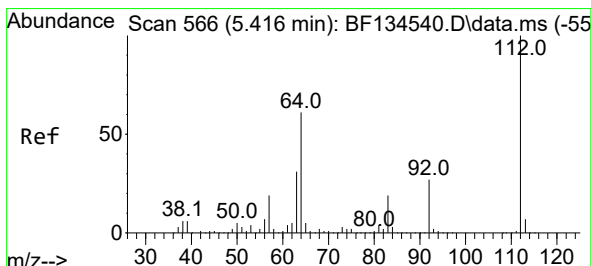
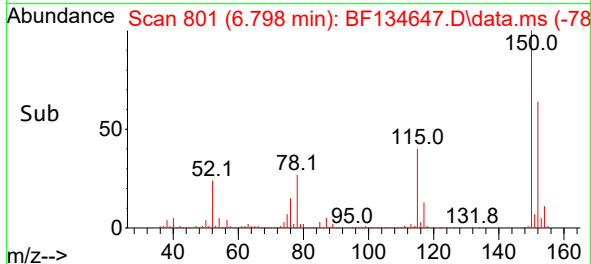
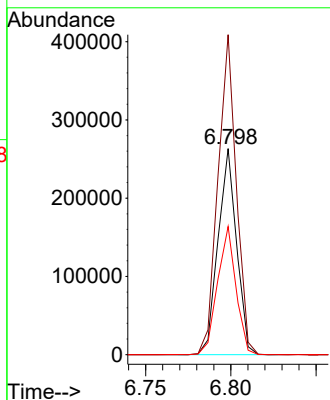
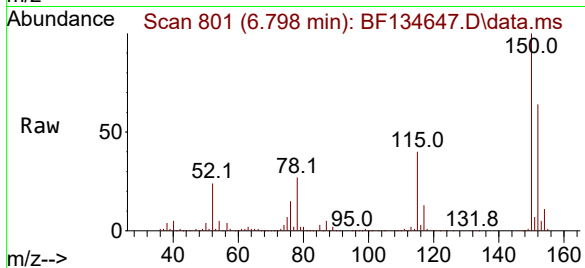




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134647.D
 Acq: 07 Aug 2023 11:23

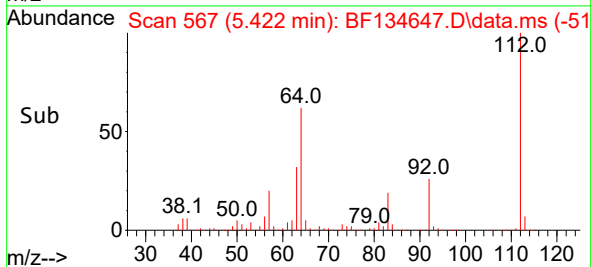
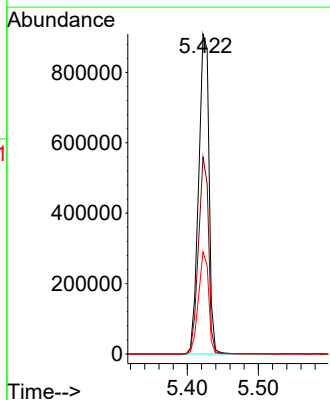
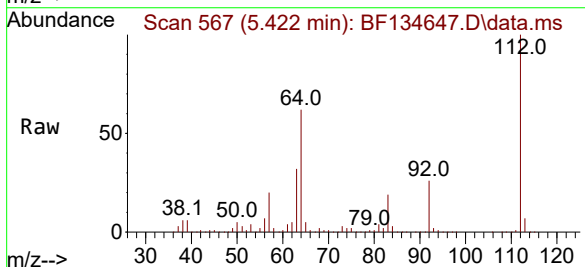
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

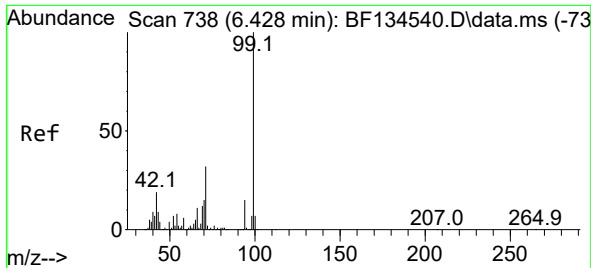
Tgt Ion:152 Resp: 198959
 Ion Ratio Lower Upper
 152 100
 150 155.2 128.3 192.5
 115 62.1 52.4 78.6



#5
 2-Fluorophenol
 Concen: 70.886 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134647.D
 Acq: 07 Aug 2023 11:23

Tgt Ion:112 Resp: 927796
 Ion Ratio Lower Upper
 112 100
 64 61.5 44.9 67.3
 63 31.9 25.4 38.0

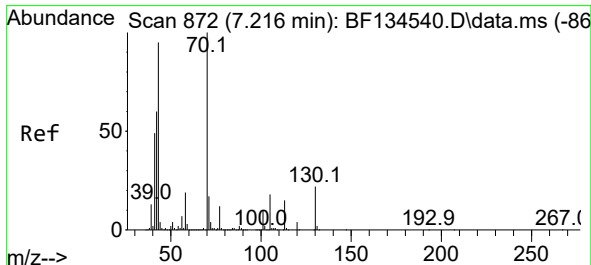
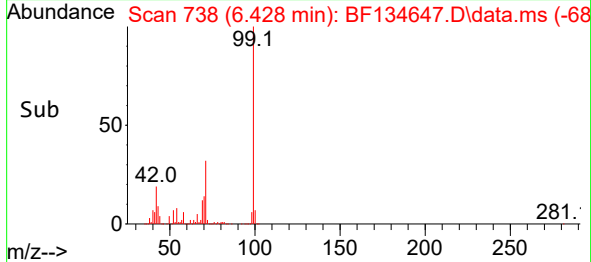
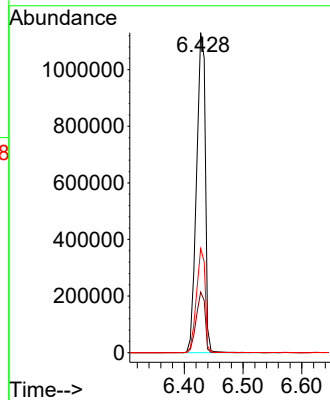
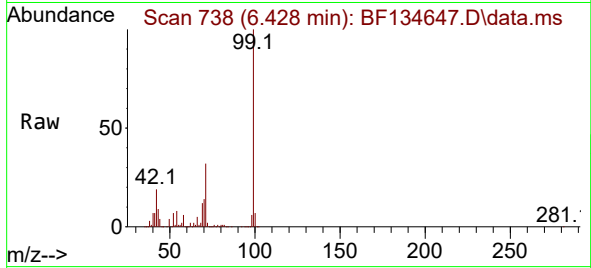




#7
Phenol-d6
Concen: 70.012 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

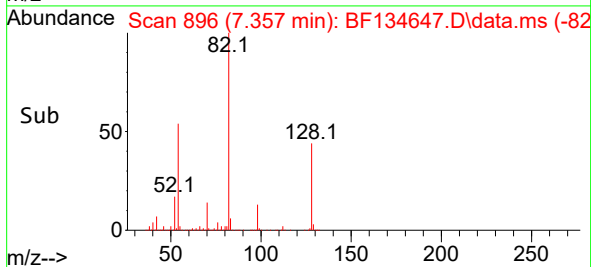
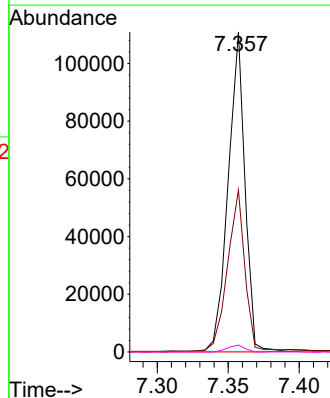
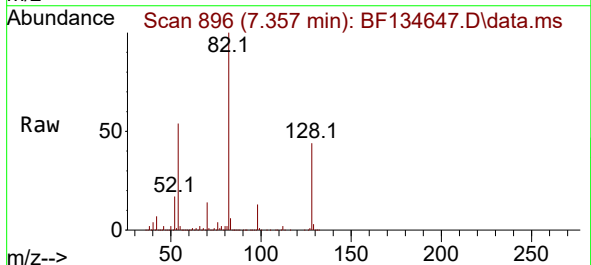
Instrument :
BNA_F
ClientSampleId :
WC-1

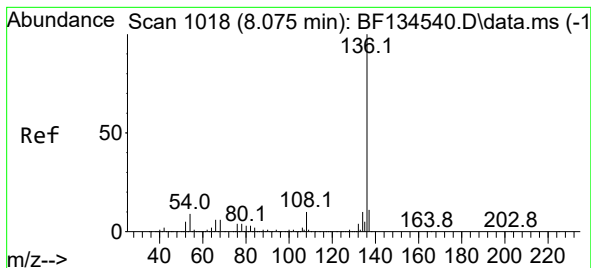
Tgt Ion: 99 Resp: 1171376
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 32.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.062 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion: 70 Resp: 90778
Ion Ratio Lower Upper
70 100
42 50.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 734573

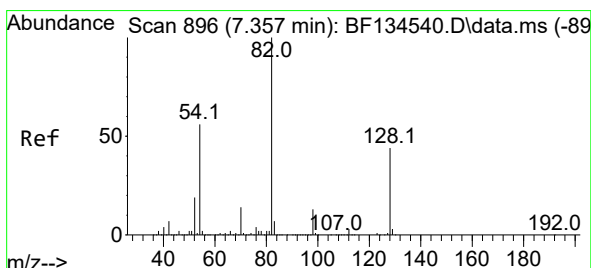
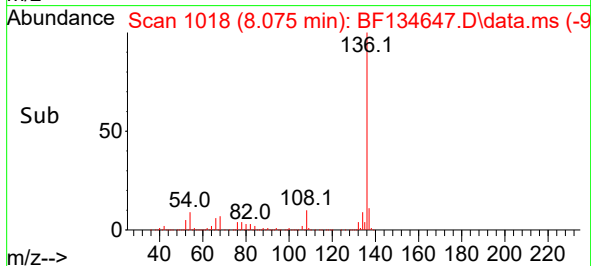
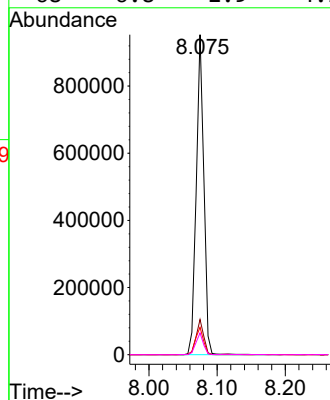
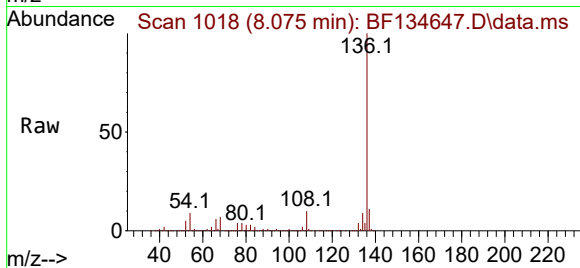
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.6 5.2 7.8#

68 6.8 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 57.379 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

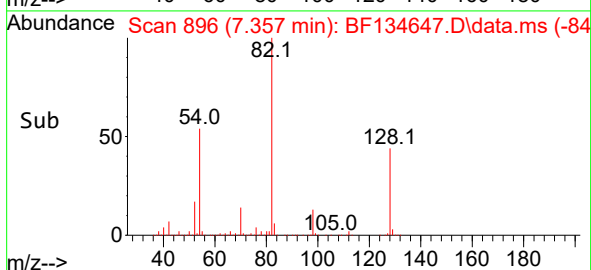
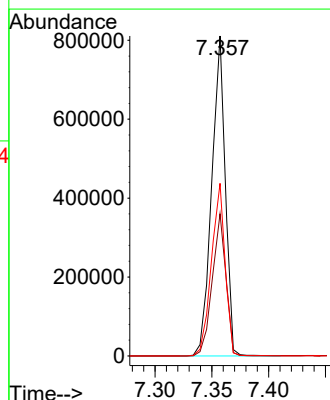
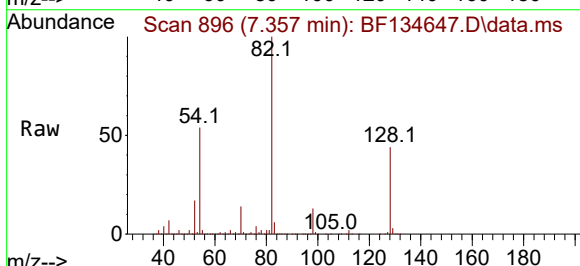
Tgt Ion: 82 Resp: 674464

Ion Ratio Lower Upper

82 100

128 44.4 34.3 51.5

54 53.9 43.8 65.6

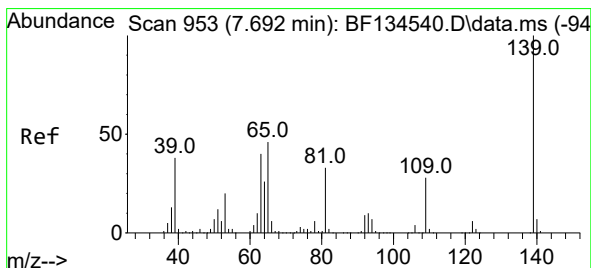
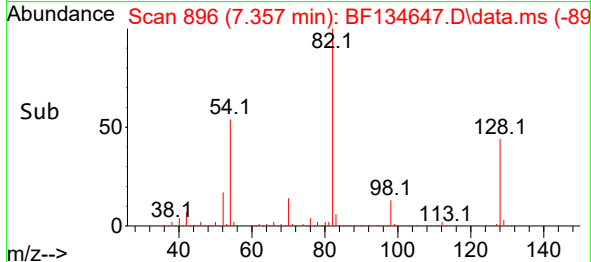
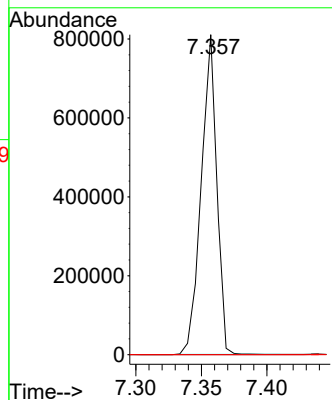
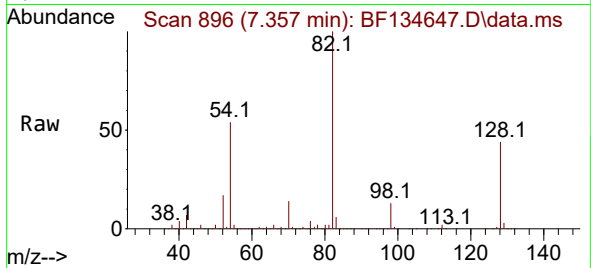




#25
Isophorone
Concen: 26.145 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

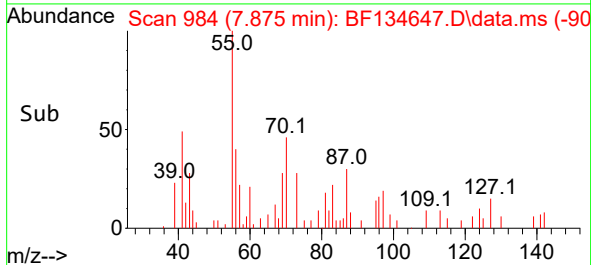
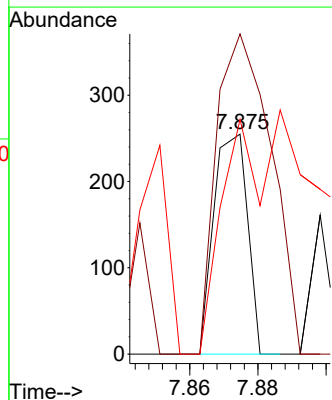
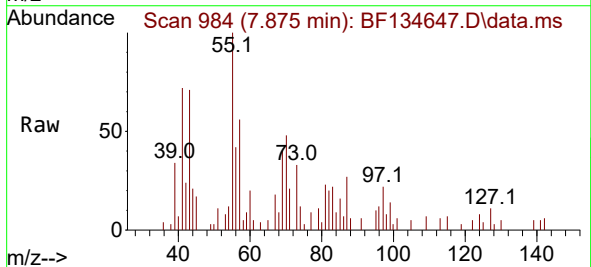
Instrument :
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ClientSampleId :
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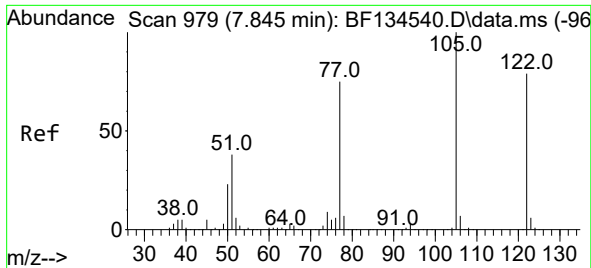
Tgt Ion: 82 Resp: 670299
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.821 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.177 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:139 Resp: 174
Ion Ratio Lower Upper
139 100
109 145.5 29.8 44.6#
65 106.7 45.4 68.2#

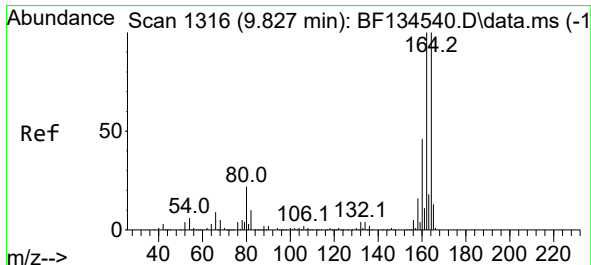
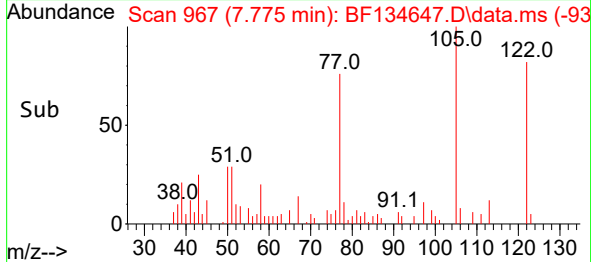
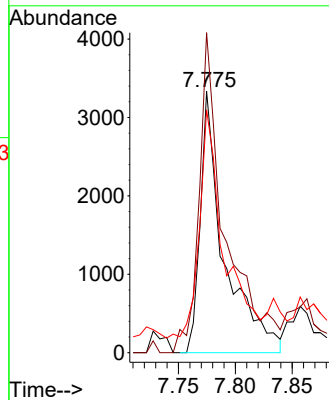
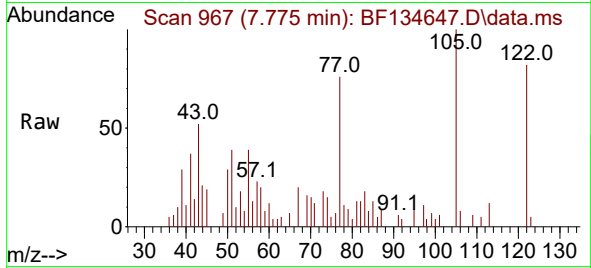




#32
Benzoic acid
Concen: 8.411 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.088 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

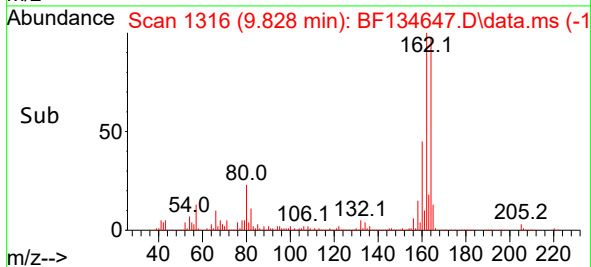
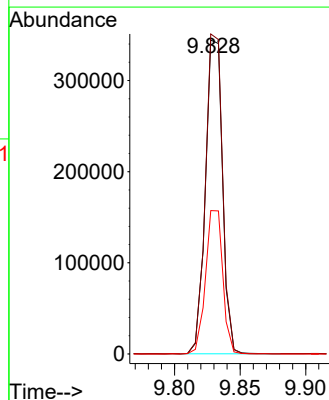
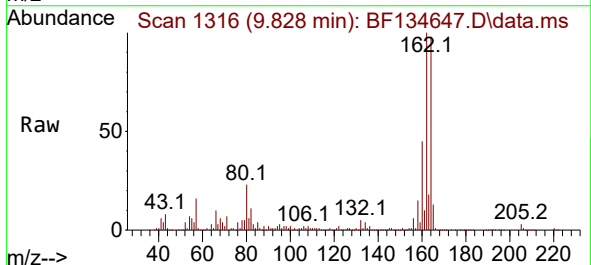
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BNA_F
ClientSampleId :
WC-1

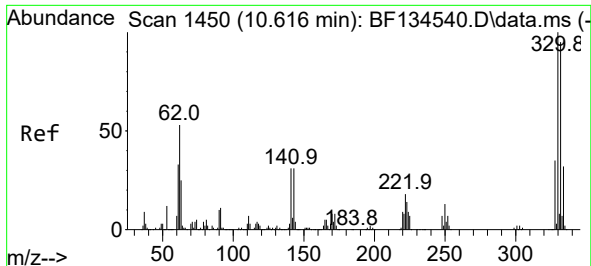
Tgt Ion:122	Resp:	4855
Ion	Ratio	Lower Upper
122	100	
105	122.5	87.5 127.5
77	92.9	71.4 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:164	Resp:	313477
Ion	Ratio	Lower Upper
164	100	
162	101.9	82.6 123.8
160	45.7	37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 71.609 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

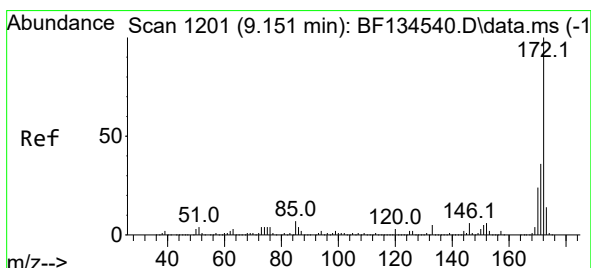
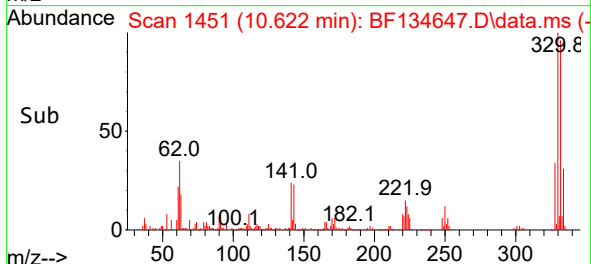
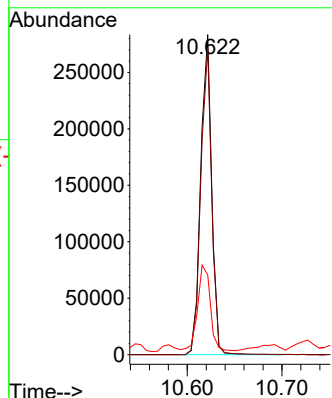
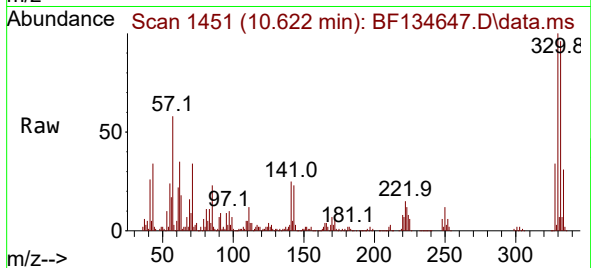
Tgt Ion:330 Resp: 228833

Ion Ratio Lower Upper

330 100

332 95.1 78.8 118.2

141 30.5 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 59.019 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

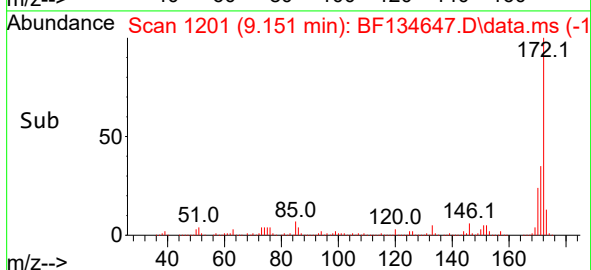
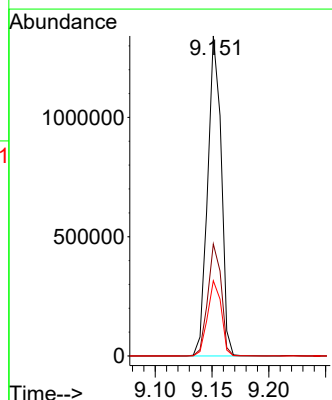
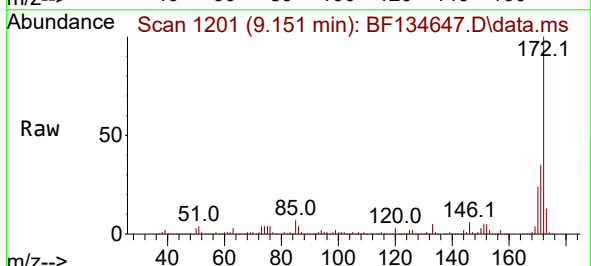
Tgt Ion:172 Resp: 1112716

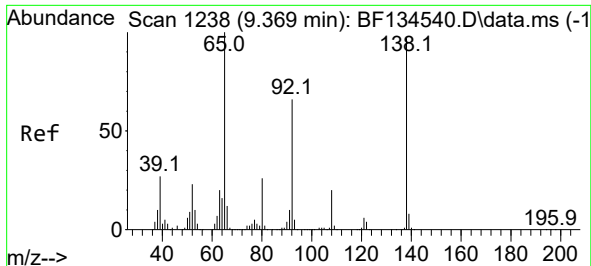
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 18.7 28.1

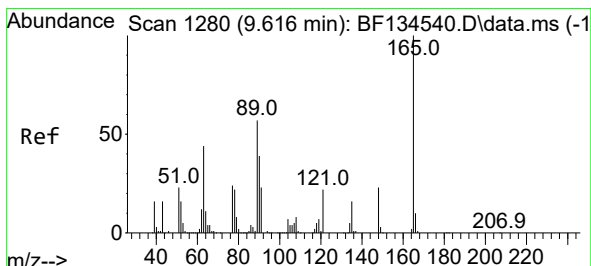
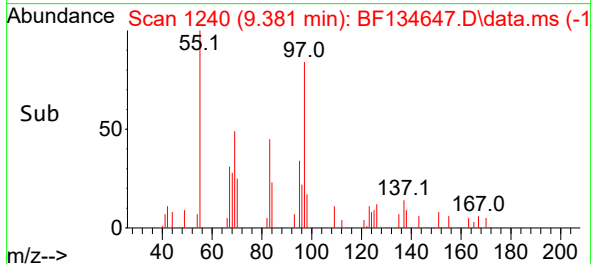
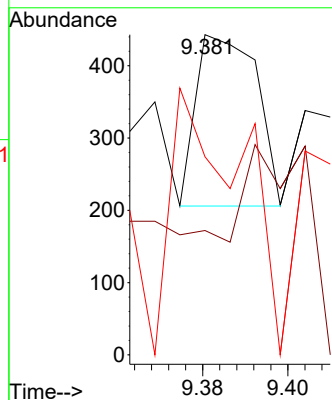
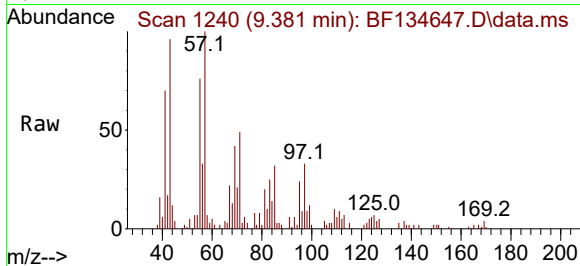




#48
2-Nitroaniline
Concen: 3.204 ng
RT: 9.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

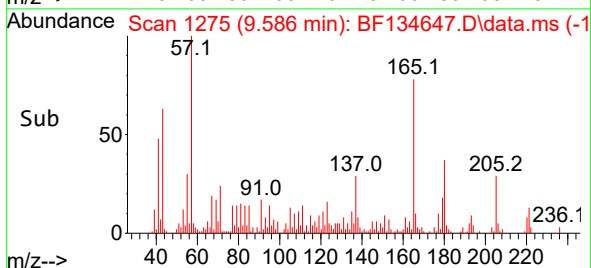
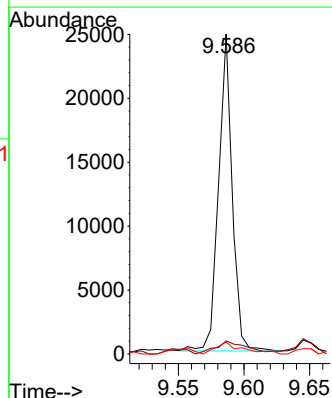
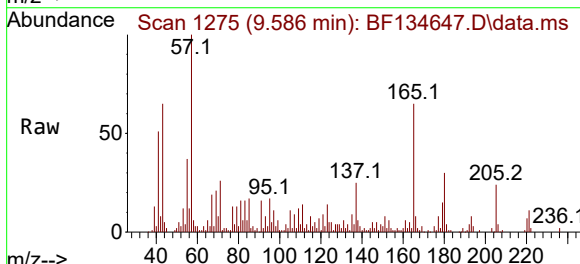
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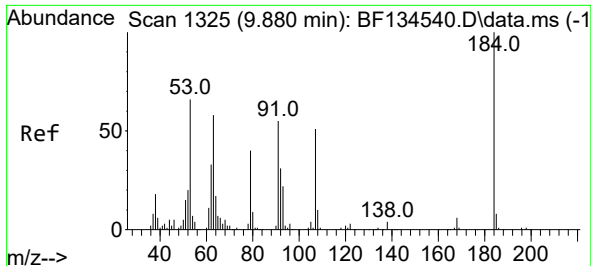
Tgt Ion: 65 Resp: 234
Ion Ratio Lower Upper
65 100
92 38.8 50.7 76.1#
138 61.9 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 6.390 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.041 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion: 165 Resp: 17984
Ion Ratio Lower Upper
165 100
63 4.1 57.8 86.6#
89 3.8 51.8 77.8#

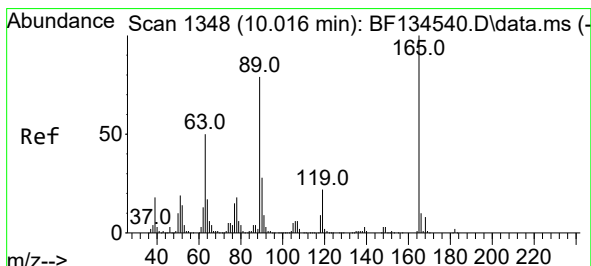
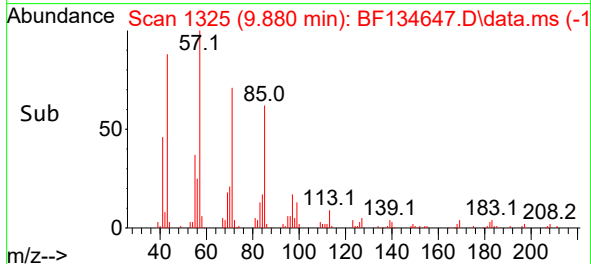
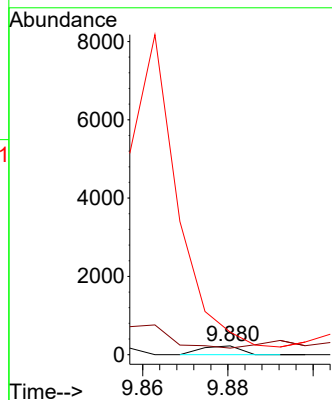
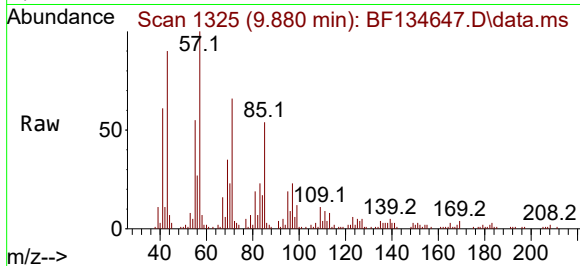




#54
2,4-Dinitrophenol
Concen: 6.890 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

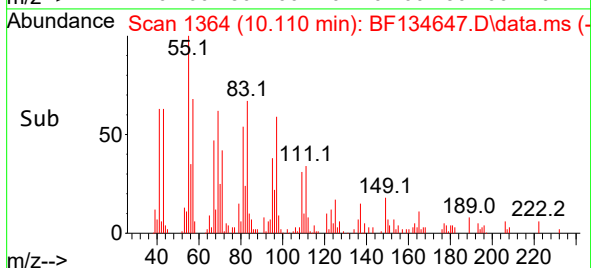
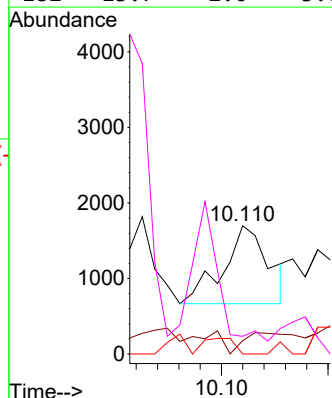
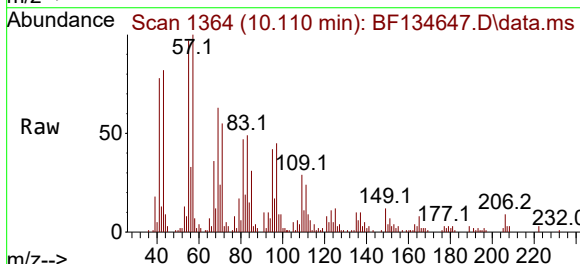
Instrument :
BNA_F
ClientSampleId :
WC-1

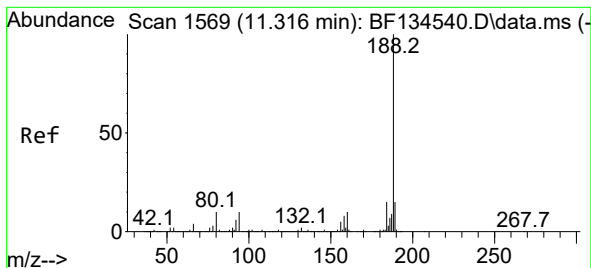
Tgt Ion:184 Resp: 143
Ion Ratio Lower Upper
184 100
63 75.0 57.1 85.7
154 256.7 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.122 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.082 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:165 Resp: 1523
Ion Ratio Lower Upper
165 100
63 10.4 48.9 73.3#
89 0.0 61.7 92.5#
182 13.7 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: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

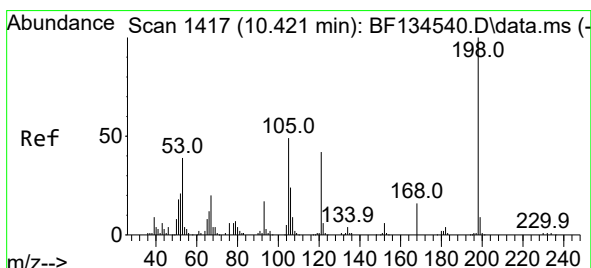
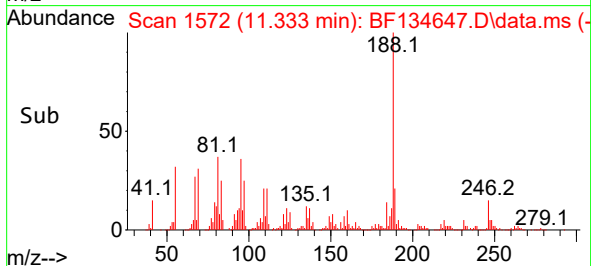
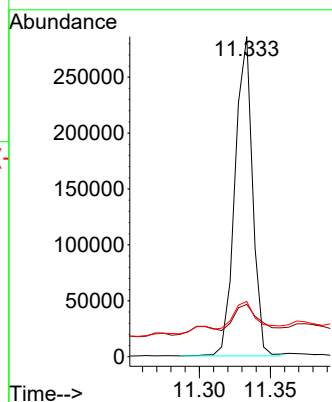
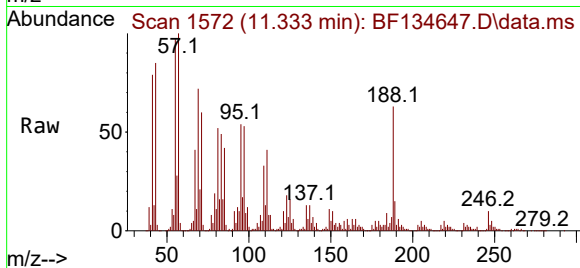
Tgt Ion:188 Resp: 246007

Ion Ratio Lower Upper

188 100

94 16.4 5.1 7.7#

80 17.3 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.819 ng

RT: 10.439 min Scan# 1420

Delta R.T. 0.000 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

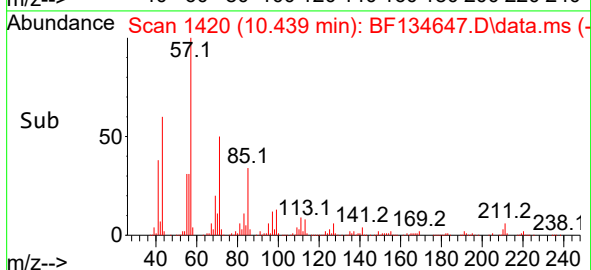
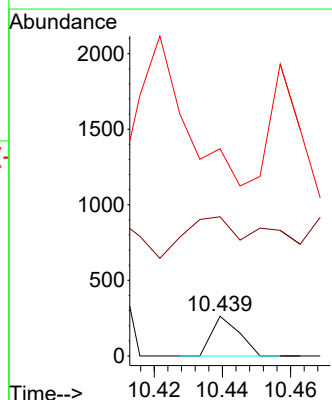
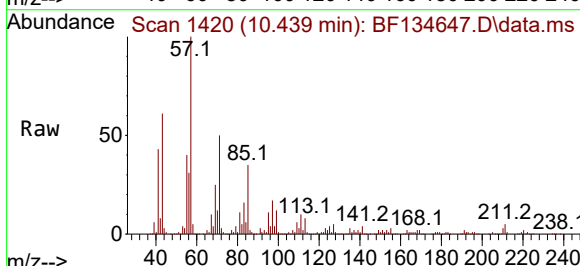
Tgt Ion:198 Resp: 146

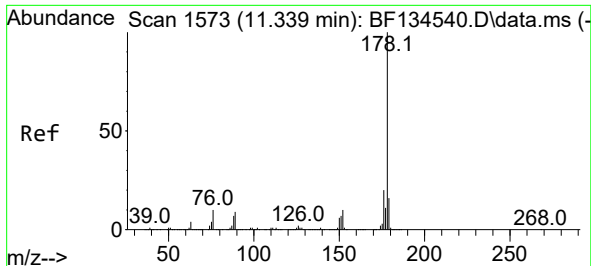
Ion Ratio Lower Upper

198 100

51 351.5 38.6 78.6#

105 523.3 27.9 67.9#

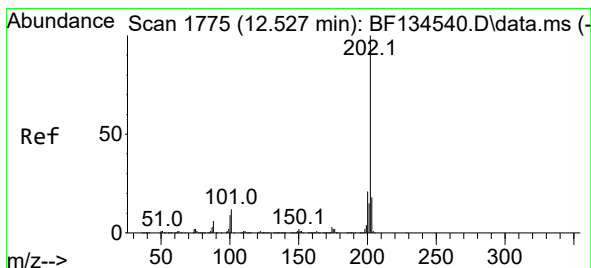
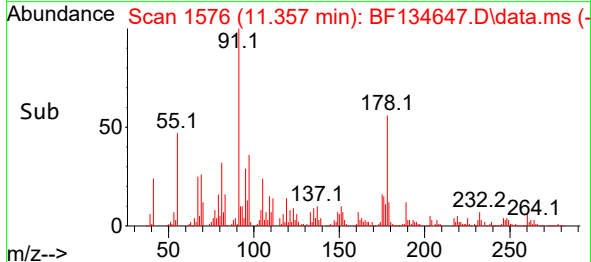
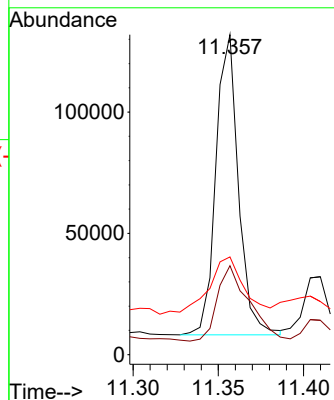
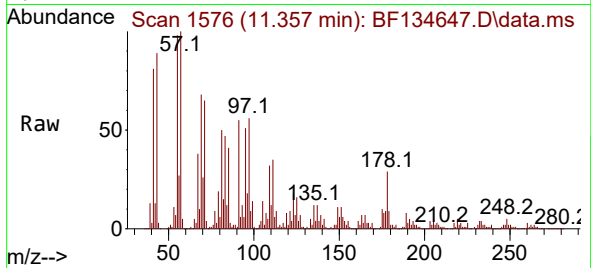




#71
Phenanthrene
Concen: 8.714 ng
RT: 11.357 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

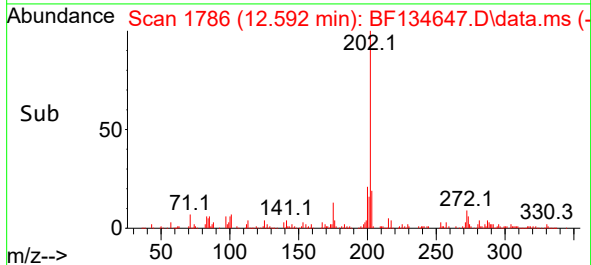
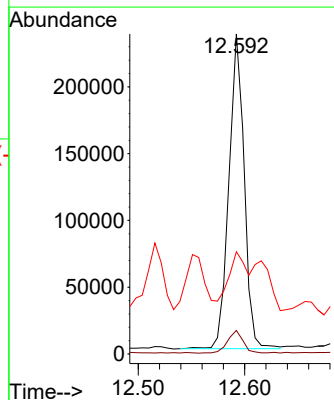
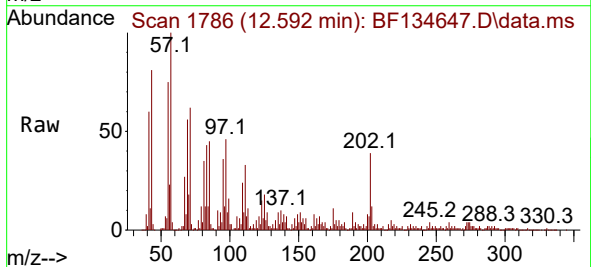
Instrument :
BNA_F
ClientSampleId :
WC-1

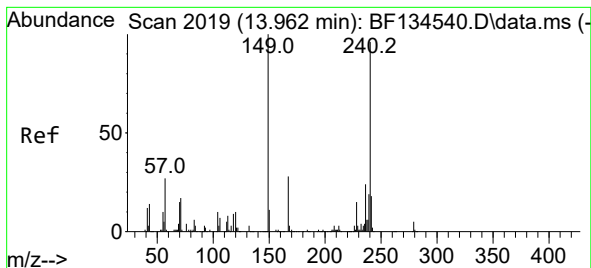
Tgt Ion:178 Resp: 113871
Ion Ratio Lower Upper
178 100
176 27.8 15.8 23.6#
179 30.5 12.7 19.1#



#75
Fluoranthene
Concen: 16.986 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.053 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:202 Resp: 234460
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.5
203 31.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2019

Delta R.T. 0.065 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

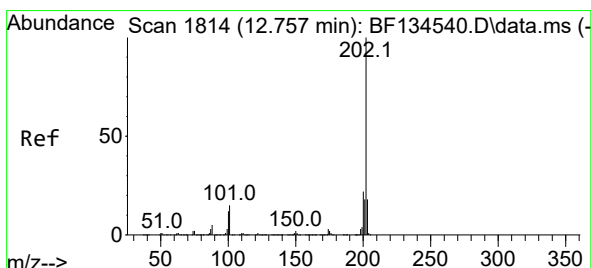
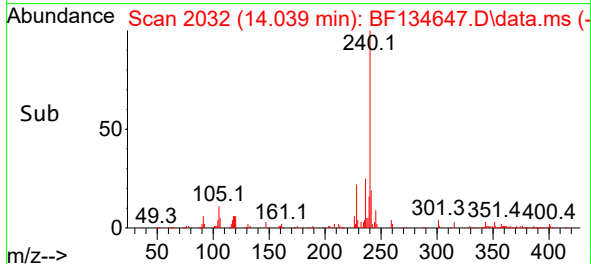
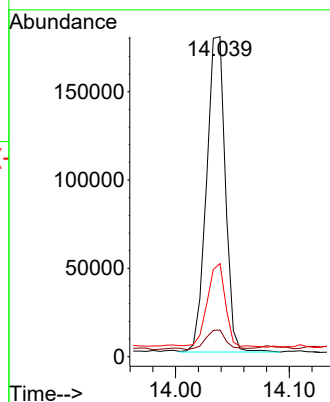
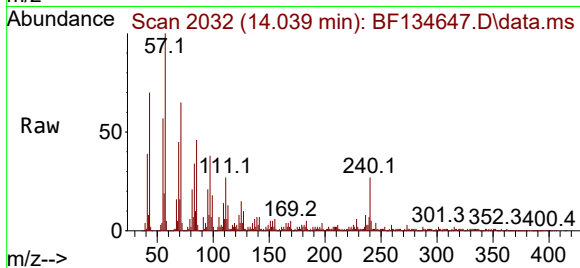
Tgt Ion:240 Resp: 205239

Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

236 29.1 20.2 30.2



#78

Pyrene

Concen: 11.266 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.059 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

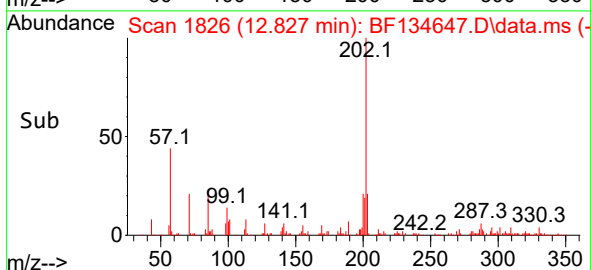
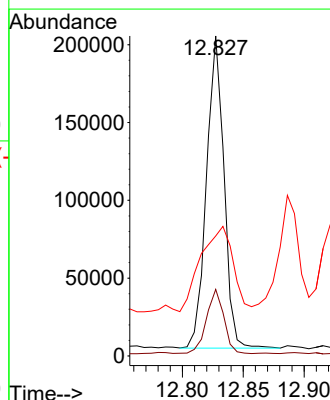
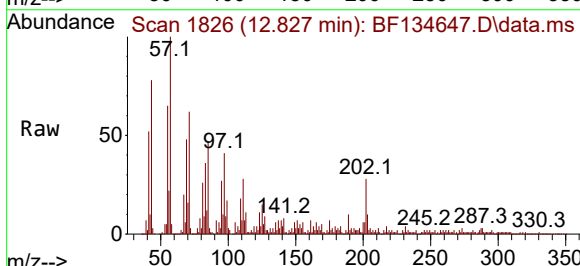
Tgt Ion:202 Resp: 200084

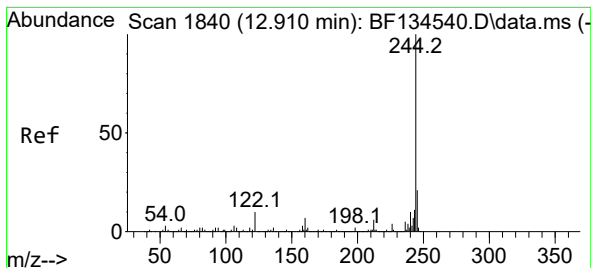
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 37.5 13.5 20.3#





#79

Terphenyl-d14

Concen: 34.206 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.053 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

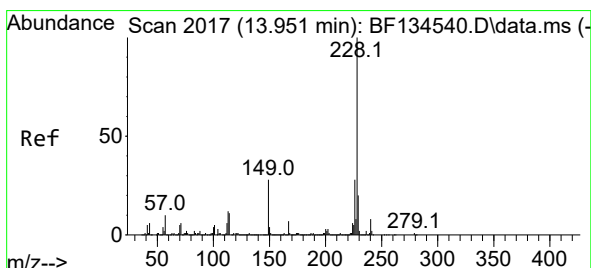
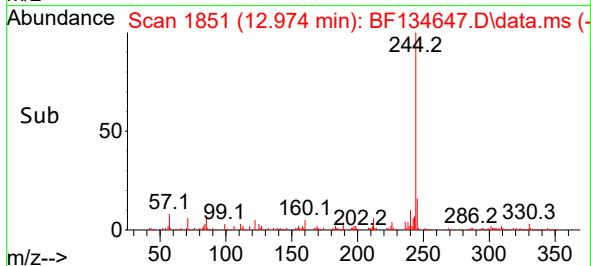
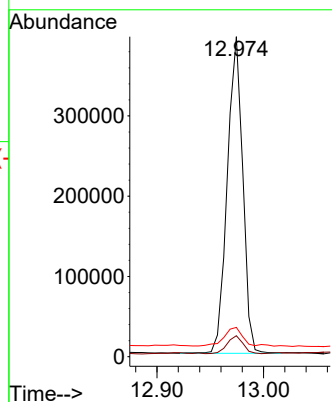
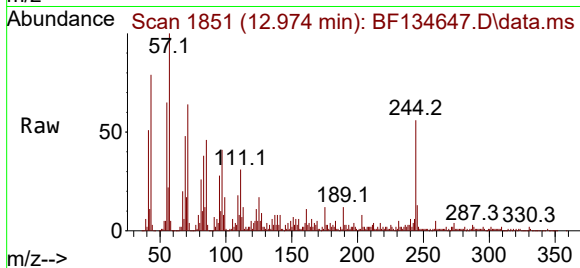
Tgt Ion:244 Resp: 398235

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 9.2 8.0 12.0



#81

Benzo(a)anthracene

Concen: 11.757 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.065 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

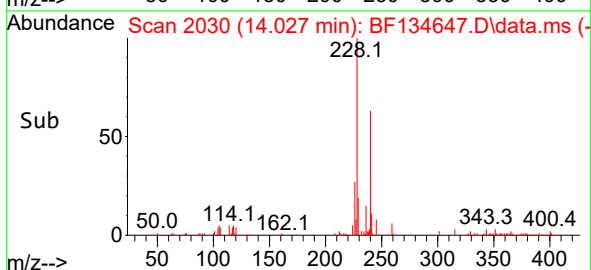
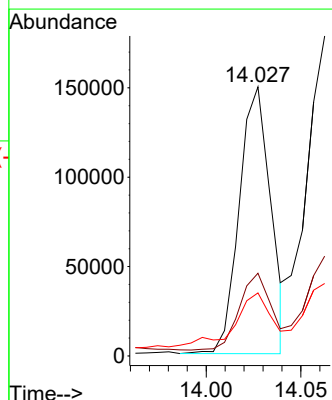
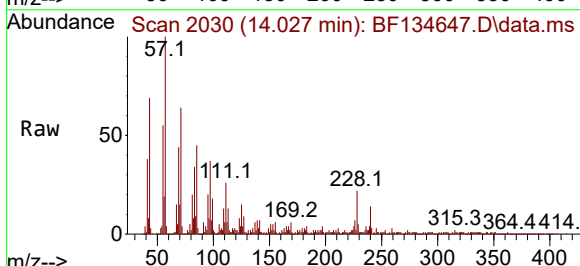
Tgt Ion:228 Resp: 172541

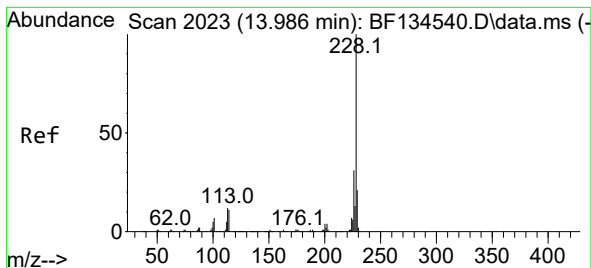
Ion Ratio Lower Upper

228 100

226 30.8 22.3 33.5

229 23.4 15.8 23.6





#83

Chrysene

Concen: 13.362 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.065 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

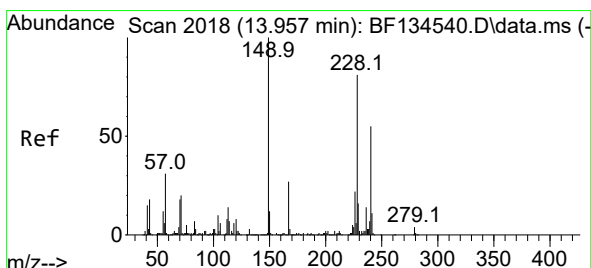
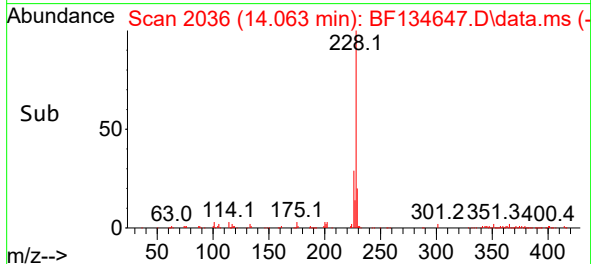
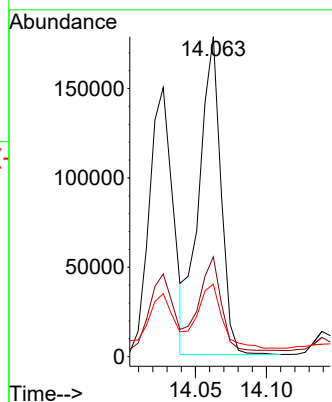
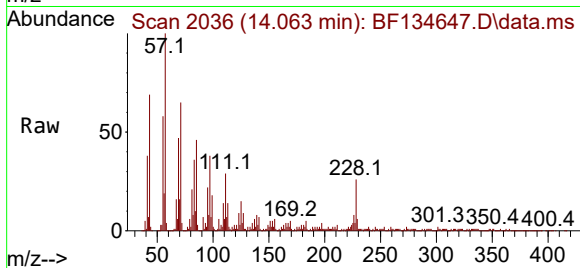
Tgt Ion:228 Resp: 191048

Ion Ratio Lower Upper

228 100

226 31.2 24.5 36.7

229 22.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.625 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.047 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

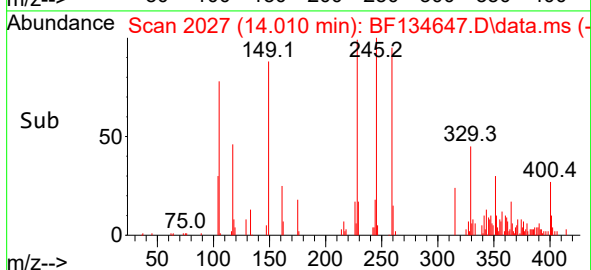
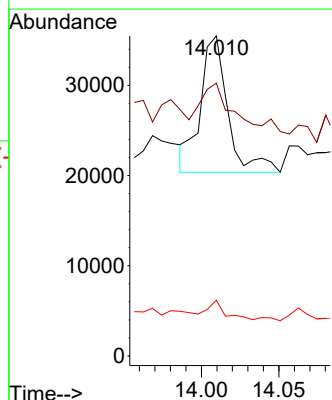
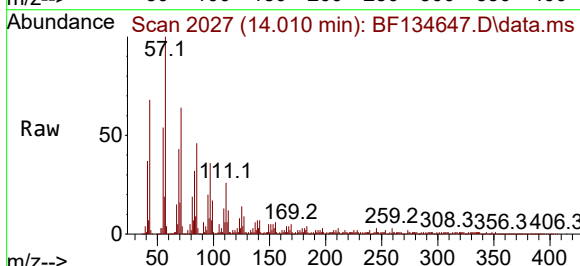
Tgt Ion:149 Resp: 18549

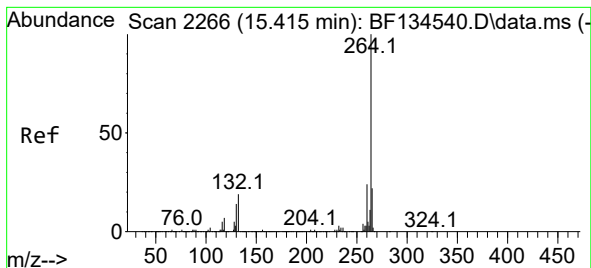
Ion Ratio Lower Upper

149 100

167 85.2 21.6 32.4#

279 17.4 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

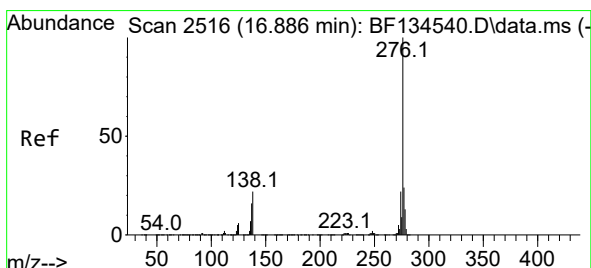
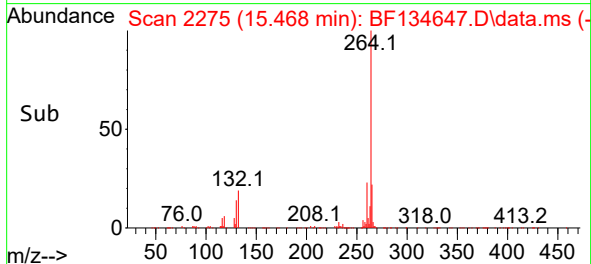
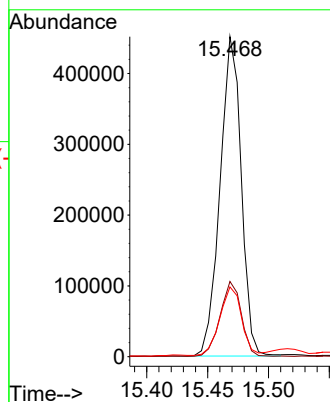
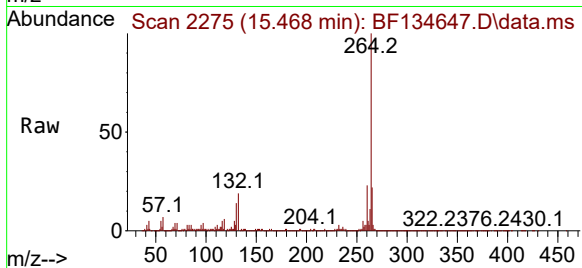
Tgt Ion:264 Resp: 547002

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.8 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.035 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.006 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

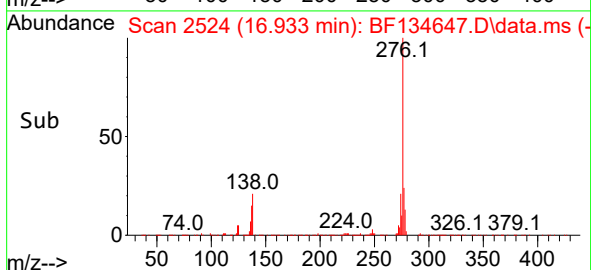
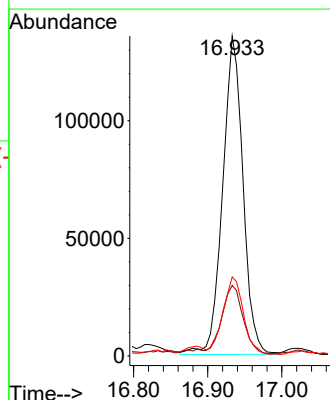
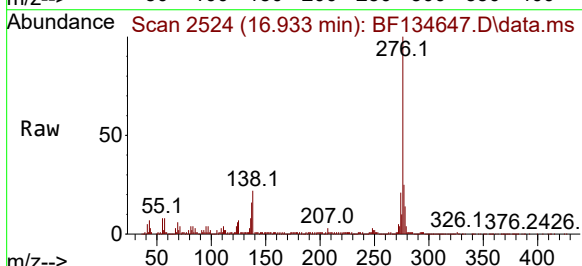
Tgt Ion:276 Resp: 258503

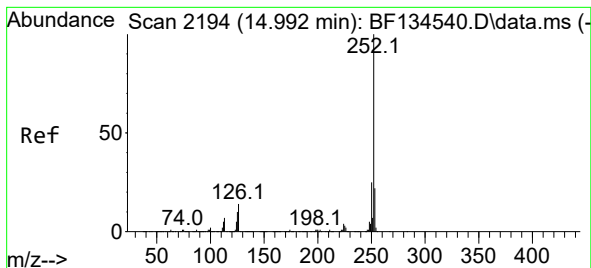
Ion Ratio Lower Upper

276 100

138 23.7 14.2 21.4#

277 24.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 24.632 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

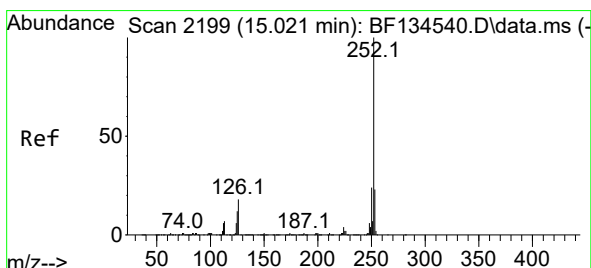
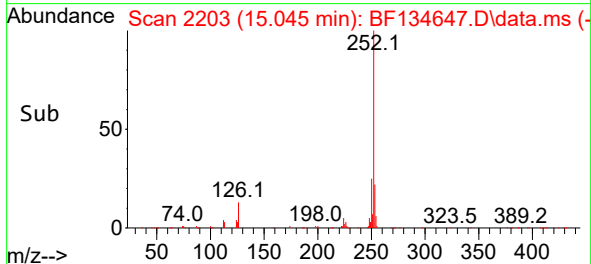
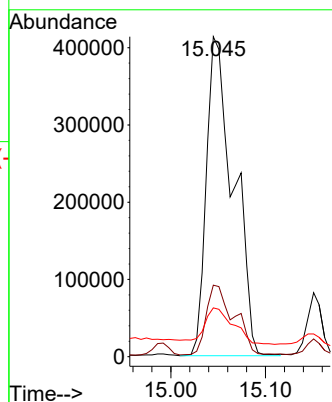
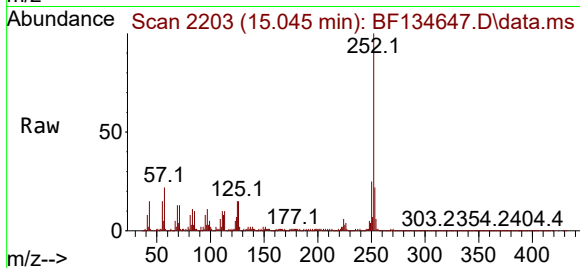
Tgt Ion:252 Resp: 821737

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 15.3 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 24.726 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

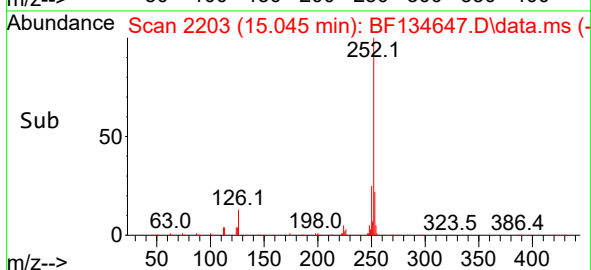
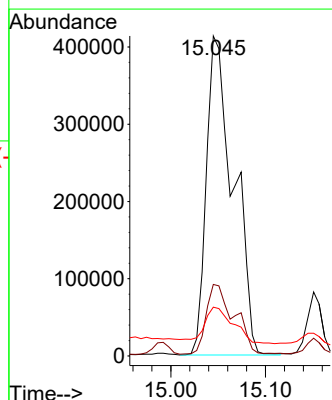
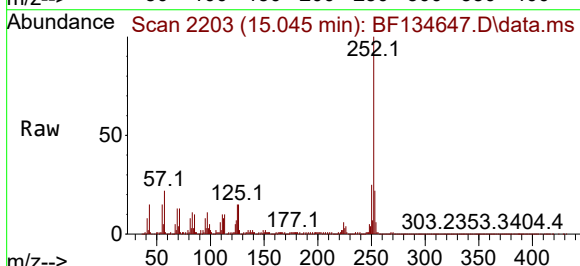
Tgt Ion:252 Resp: 821737

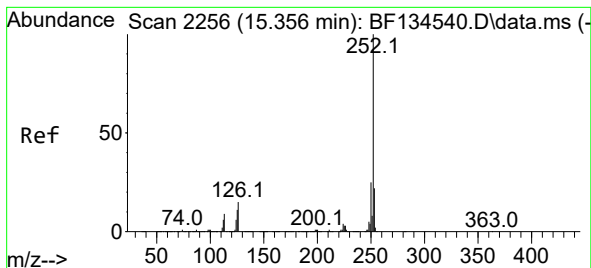
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 15.3 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 12.506 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

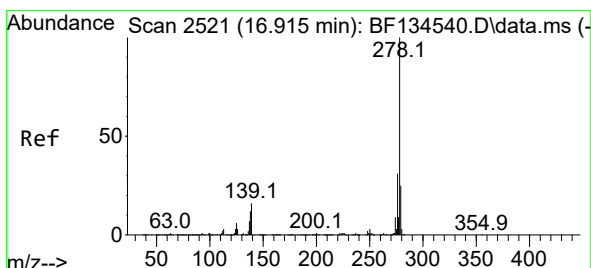
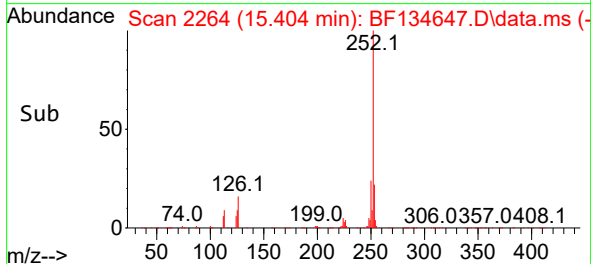
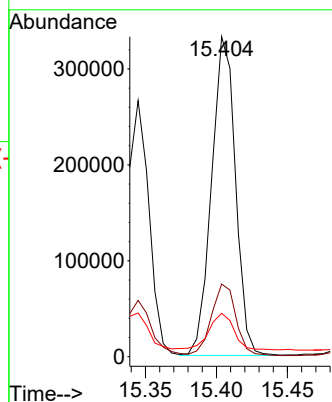
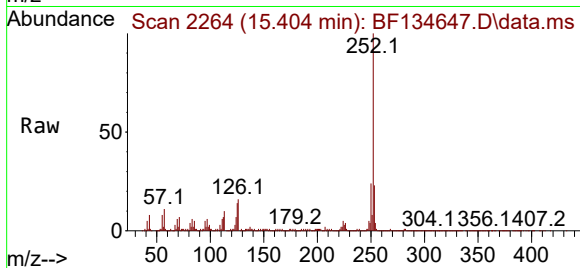
Tgt Ion:252 Resp: 389004

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 13.6 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.479 ng

RT: 16.951 min Scan# 2527

Delta R.T. 0.000 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

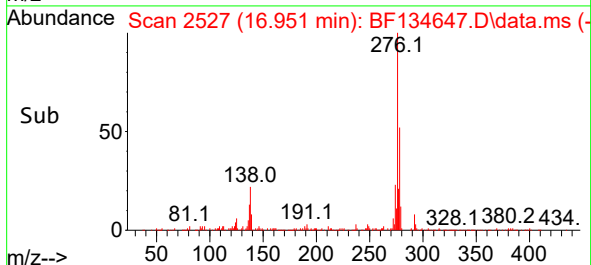
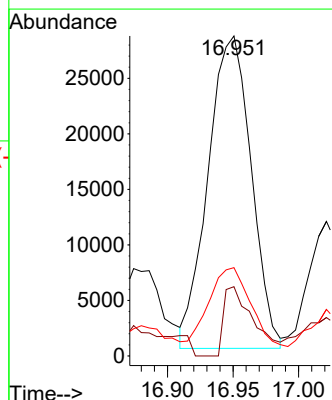
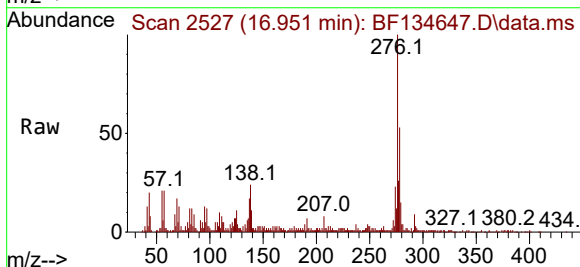
Tgt Ion:278 Resp: 64442

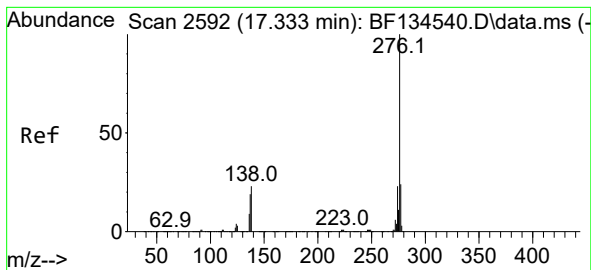
Ion Ratio Lower Upper

278 100

139 21.7 10.0 15.0#

279 27.6 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 8.369 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134647.D

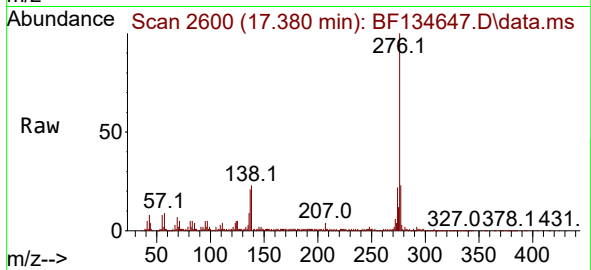
Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 221943

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 22.6 12.2 18.2#

