

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134740.D
 Acq On : 11 Aug 2023 19:14
 Operator : CG\JU
 Sample : 03961-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339

Quant Time: Aug 11 22:23:55 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)

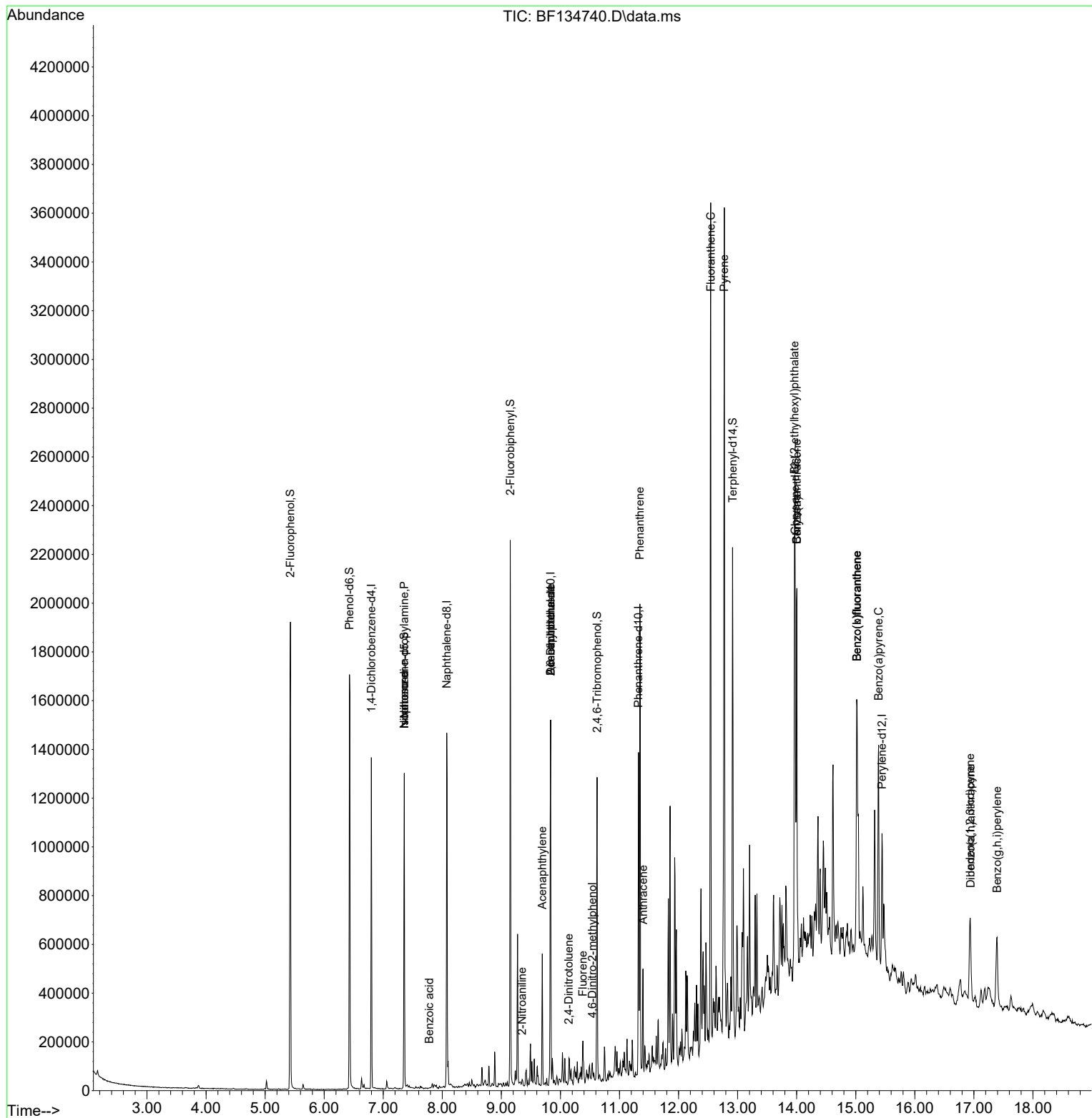
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	175478	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	627266	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	279144	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	472995	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	317630	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	246917	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	498657	43.197	ng	0.00
7) Phenol-d6	6.428	99	603254	40.880	ng	-0.01
23) Nitrobenzene-d5	7.357	82	360295	35.895	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	133566	46.938	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	649888	38.710	ng	-0.01
79) Terphenyl-d14	12.916	244	635367	35.263	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	822	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.357	70	47564	5.383	ng	# 74
25) Isophorone	7.357	82	357954	16.350	ng	# 65
32) Benzoic acid	7.781	122	246	7.899	ng	91
48) 2-Nitroaniline	9.351	65	234	3.209	ng	# 43
49) Acenaphthylene	9.692	152	191583	7.493	ng	99
50) Dimethylphthalate	9.833	163	58108	3.054	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	38067	11.753	ng	# 18
57) 2,4-Dinitrotoluene	10.139	165	4517	3.753	ng	# 47
58) Fluorene	10.380	166	48186	2.805	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	58	8.724	ng	# 1
71) Phenanthrene	11.345	178	729031	29.018	ng	100
72) Anthracene	11.398	178	152170	5.930	ng	99
75) Fluoranthene	12.545	202	1323033	49.854	ng	97
78) Pyrene	12.774	202	1409187	51.271	ng	96
81) Benzo(a)anthracene	14.004	228	658005	28.972	ng	94
83) Chrysene	14.004	228	658005	29.737	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	22650	2.071	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	263072	18.116	ng	# 95
88) Benzo(b)fluoranthene	15.021	252	833821	55.369	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	833821	55.583	ng	# 97
90) Benzo(a)pyrene	15.386	252	427801	30.468	ng	# 95
91) Dibenzo(a,h)anthracene	16.945	278	63299	5.394	ng	# 86
92) Benzo(g,h,i)perylene	17.392	276	255459	21.339	ng	# 93

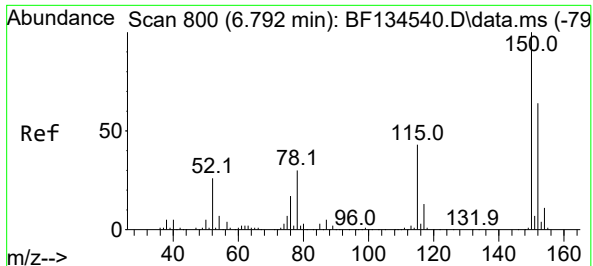
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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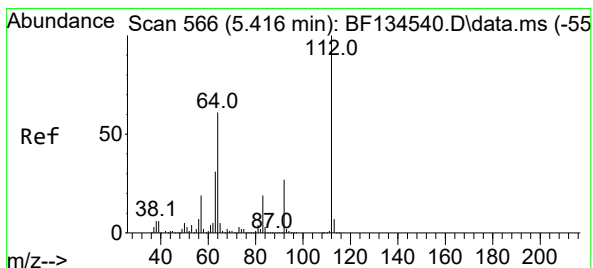
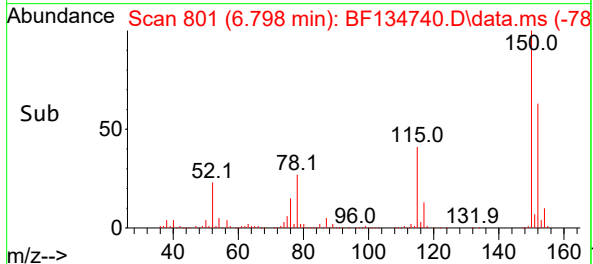
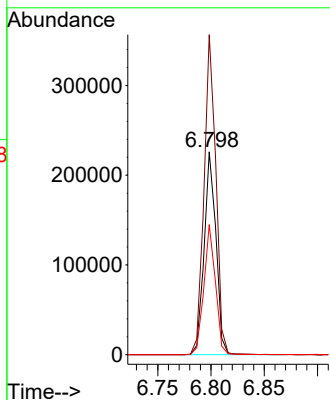
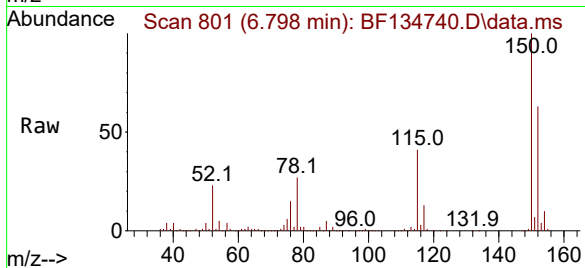




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

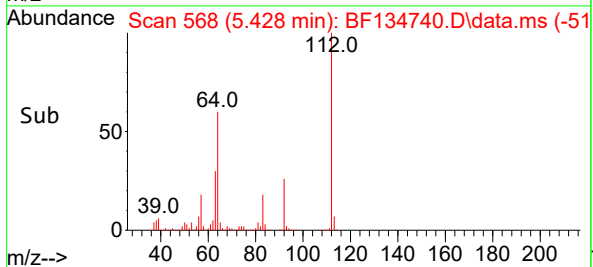
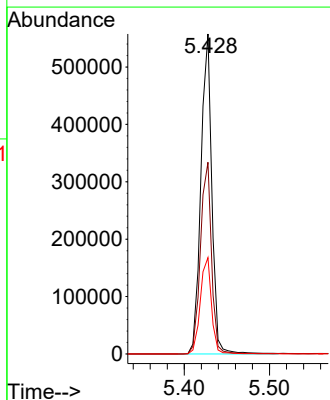
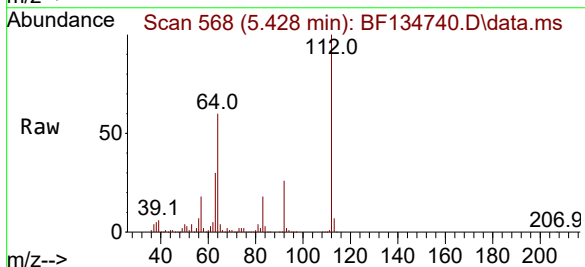
Instrument :
BNA_F
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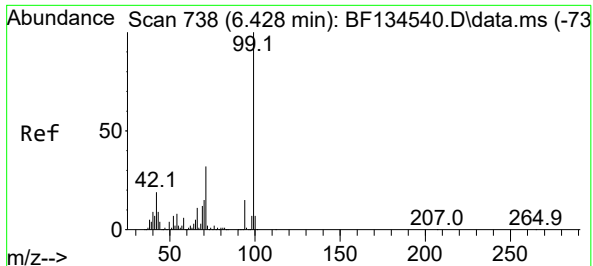
Tgt Ion:152 Resp: 175478
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 64.1 52.4 78.6



#5
2-Fluorophenol
Concen: 43.197 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:112 Resp: 498657
Ion Ratio Lower Upper
112 100
64 59.9 44.9 67.3
63 30.1 25.4 38.0

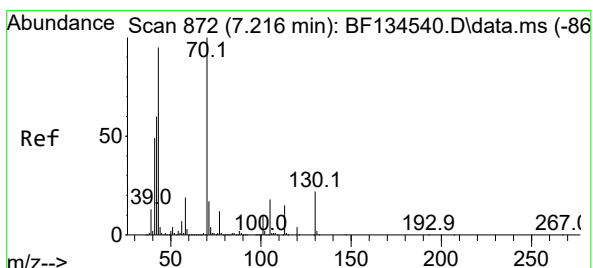
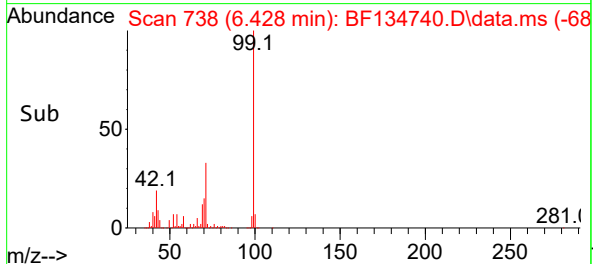
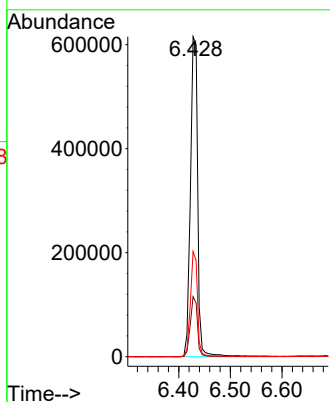
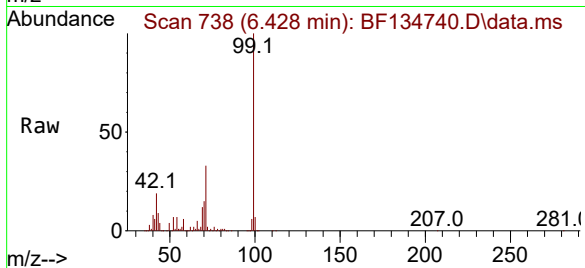




#7
Phenol-d6
Concen: 40.880 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

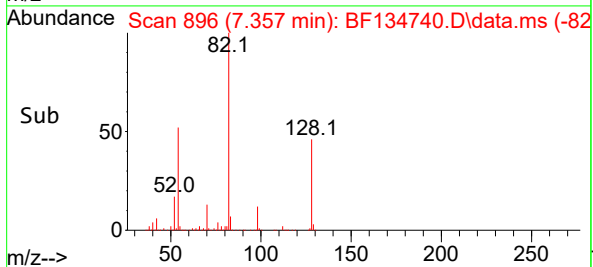
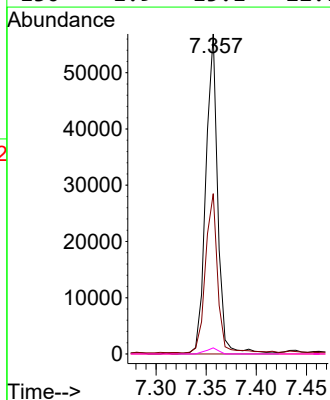
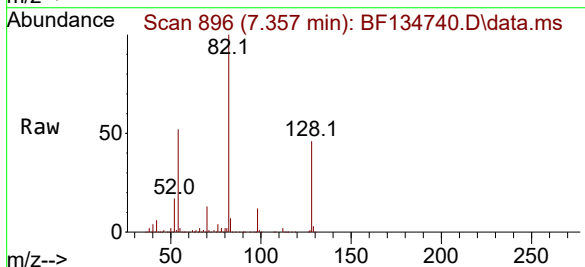
Instrument :
BNA_F
ClientSampleId :
ETGI-339

Tgt Ion: 99 Resp: 603254
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 5.383 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion: 70 Resp: 47564
Ion Ratio Lower Upper
70 100
42 50.1 54.7 82.1#
101 0.0 8.2 12.2#
130 1.9 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: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

Tgt Ion:136 Resp: 627266

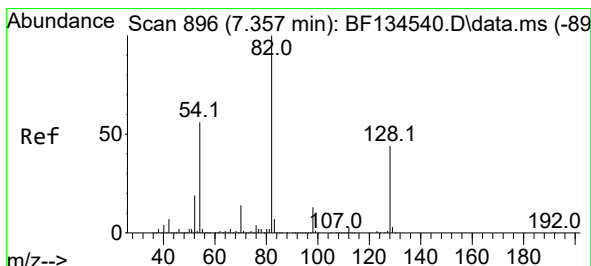
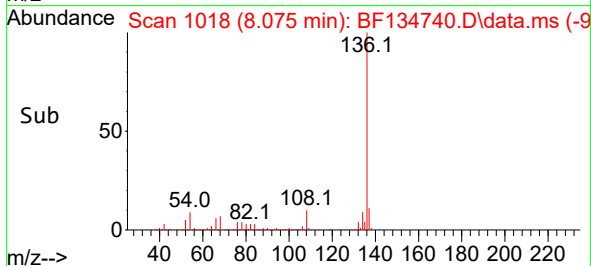
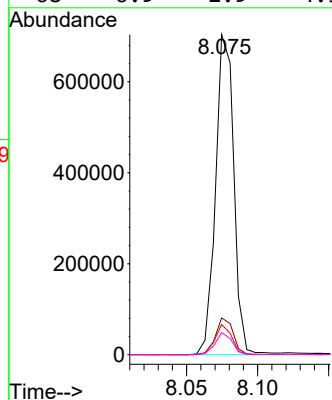
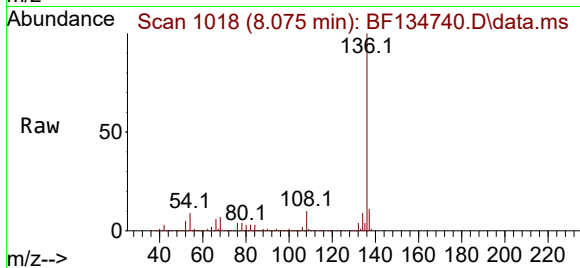
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 9.4 5.2 7.8#

68 6.9 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 35.895 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

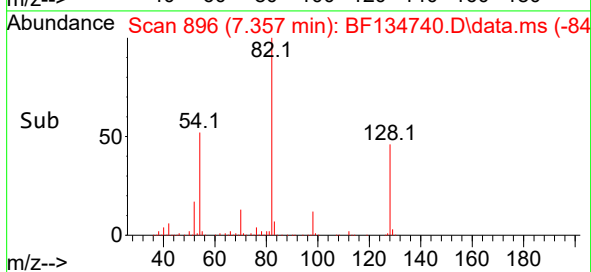
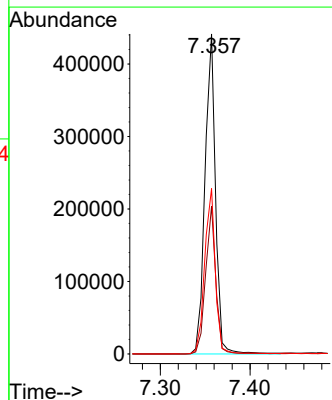
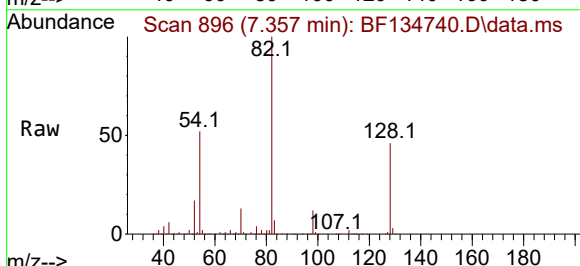
Tgt Ion: 82 Resp: 360295

Ion Ratio Lower Upper

82 100

128 46.2 34.3 51.5

54 51.7 43.8 65.6

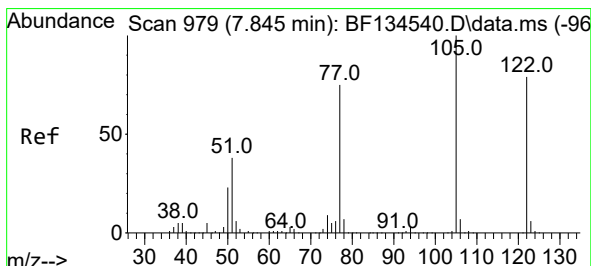
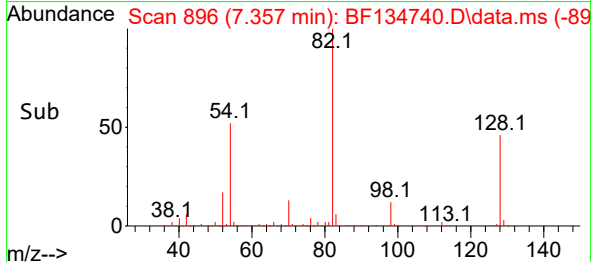
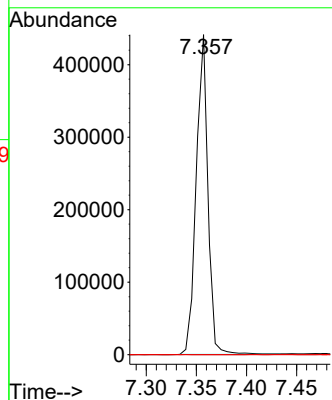
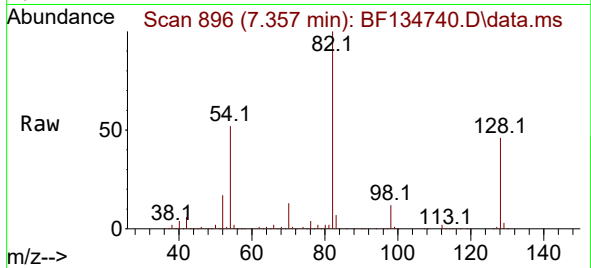




#25
Isophorone
Concen: 16.350 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

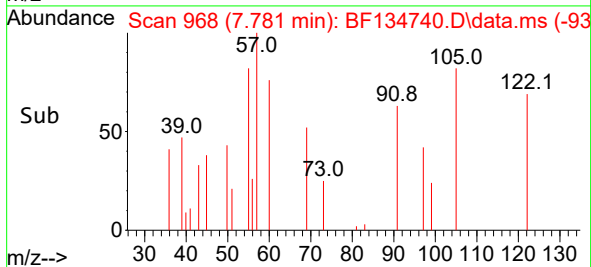
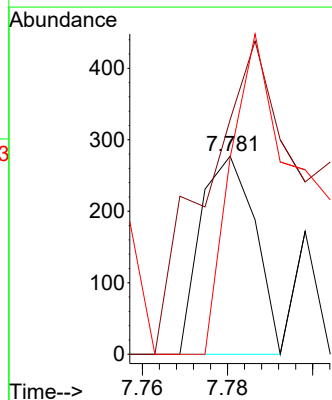
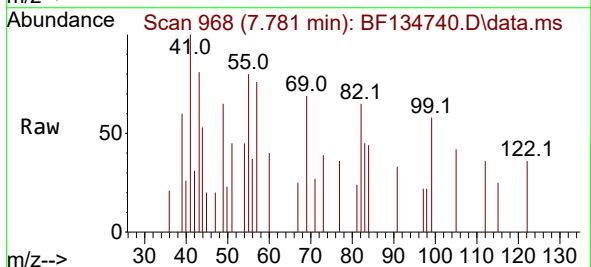
Instrument :
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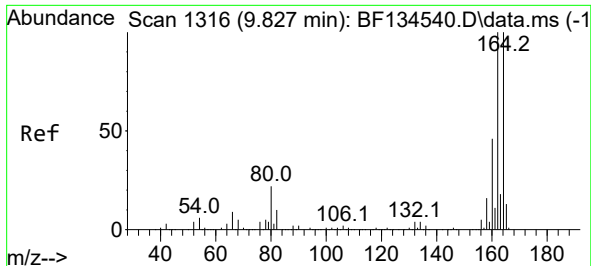
Tgt Ion: 82 Resp: 357954
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.899 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.082 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion: 122 Resp: 246
Ion Ratio Lower Upper
122 100
105 118.4 87.5 127.5
77 99.3 71.4 111.4

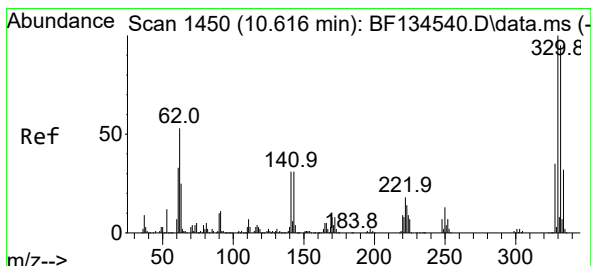
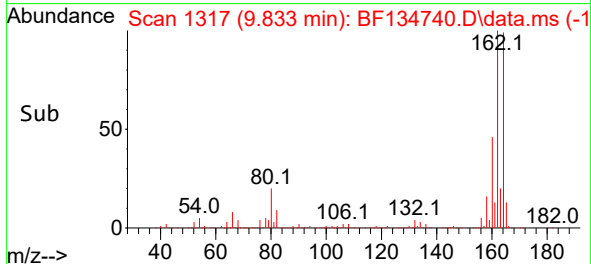
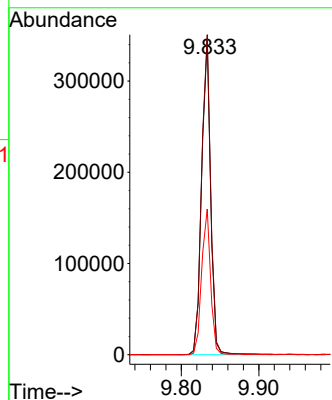
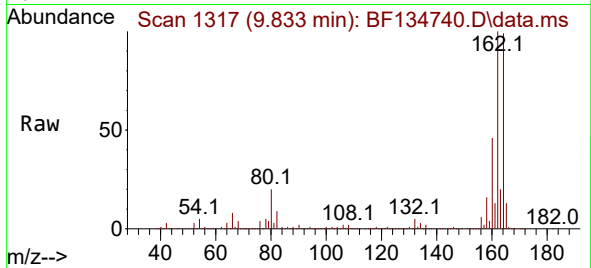




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

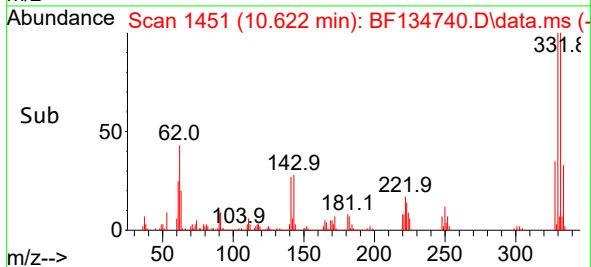
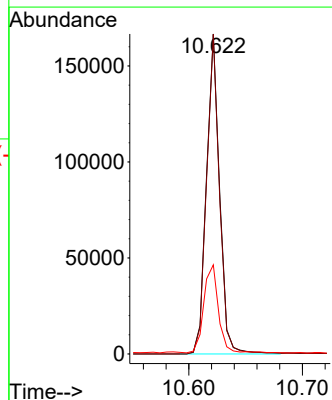
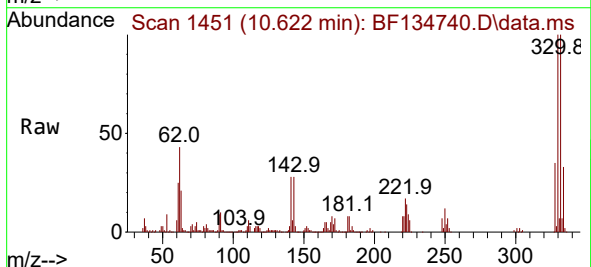
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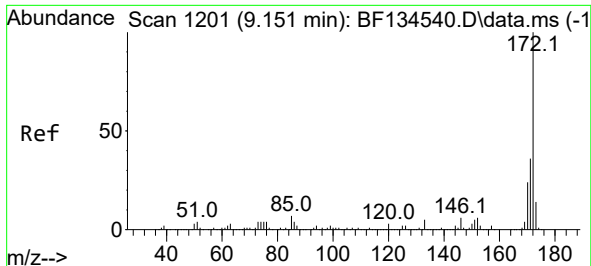
Tgt Ion:164 Resp: 279144
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 46.938 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:330 Resp: 133566
Ion Ratio Lower Upper
330 100
332 98.9 78.8 118.2
141 30.9 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 38.710 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

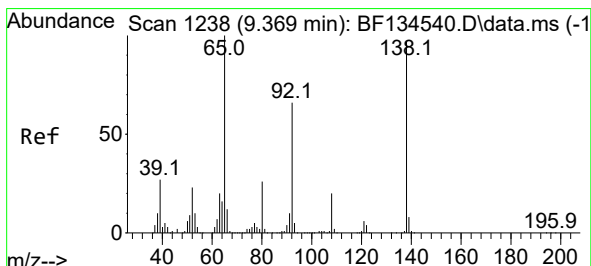
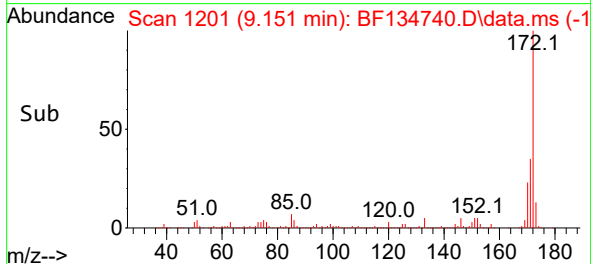
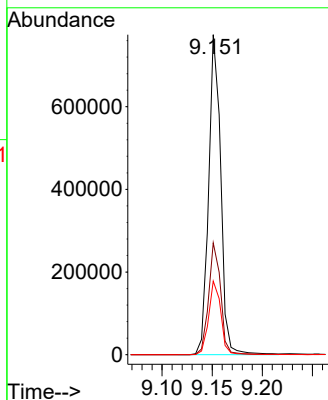
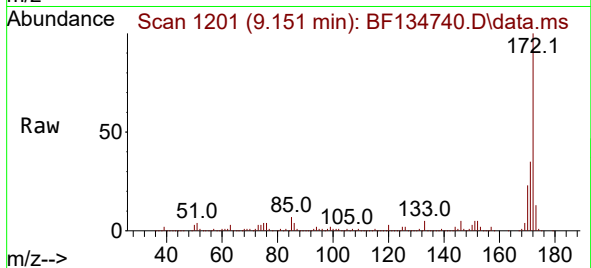
Tgt Ion:172 Resp: 649888

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.0 18.7 28.1



#48

2-Nitroaniline

Concen: 3.209 ng

RT: 9.351 min Scan# 1235

Delta R.T. -0.029 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

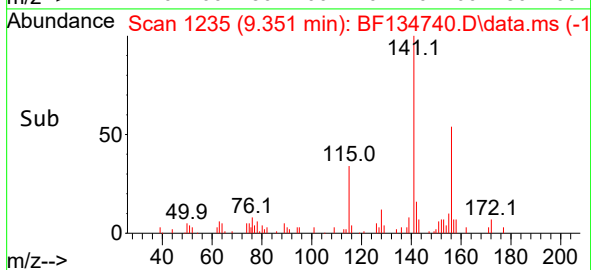
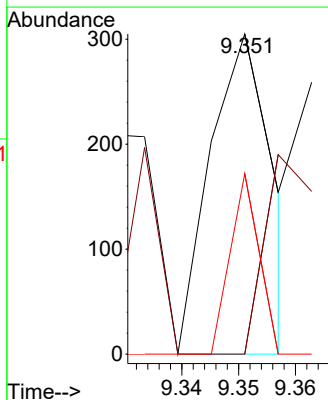
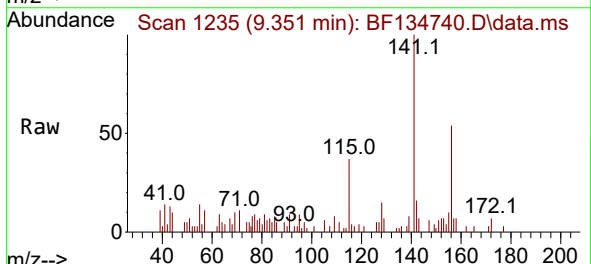
Tgt Ion: 65 Resp: 234

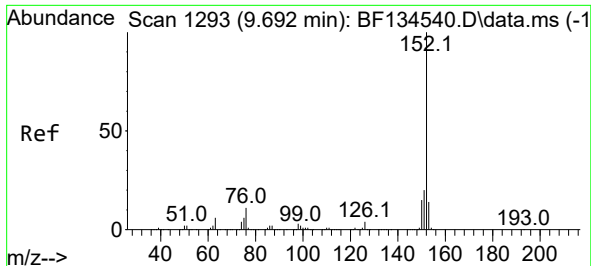
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 56.4 78.2 117.4#

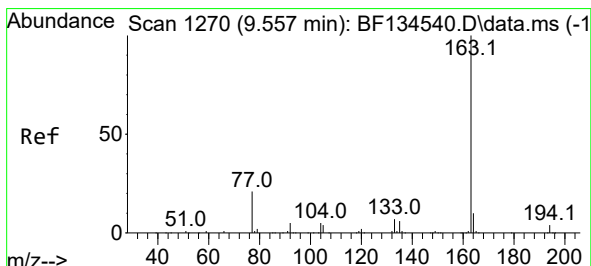
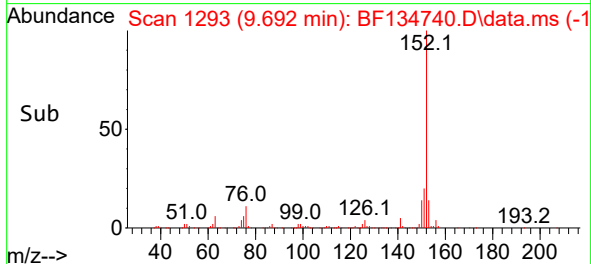
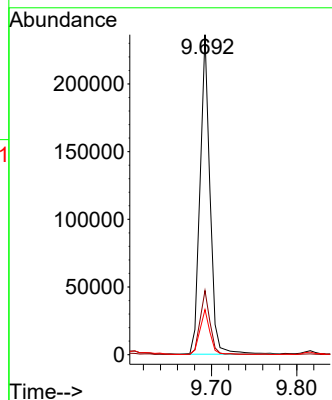
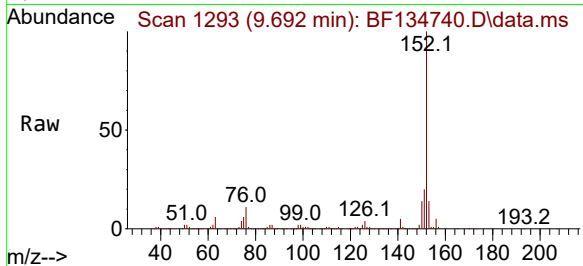




#49
Acenaphthylene
Concen: 7.493 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

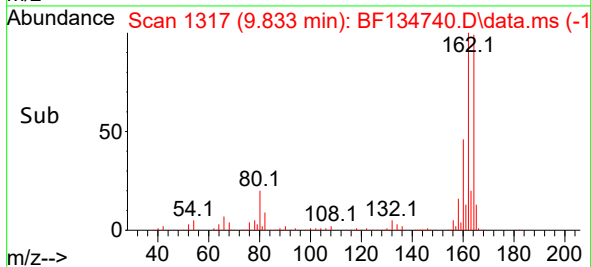
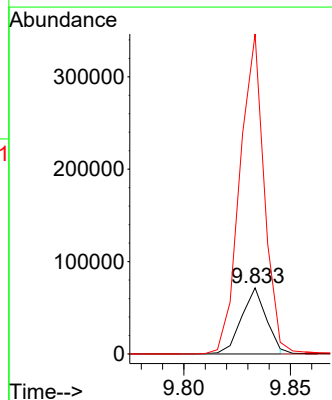
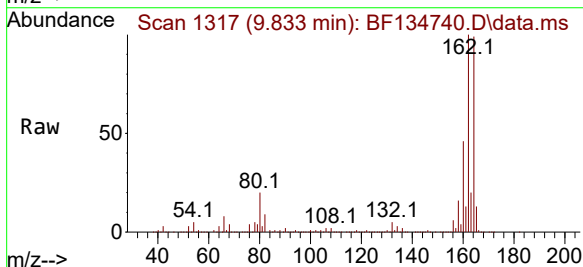
Instrument :
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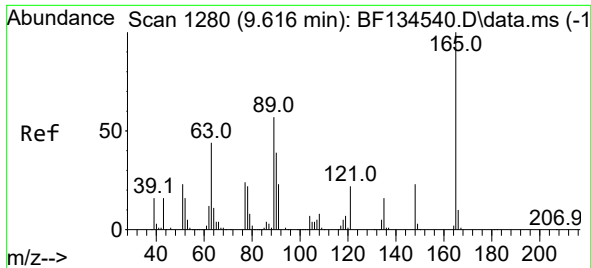
Tgt Ion:152 Resp: 191583
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.1 10.9 16.3



#50
Dimethylphthalate
Concen: 3.054 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:163 Resp: 58108
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 484.2 7.5 11.3#

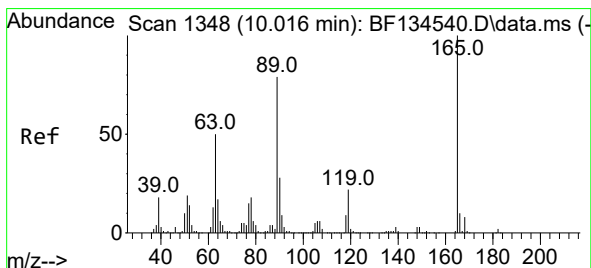
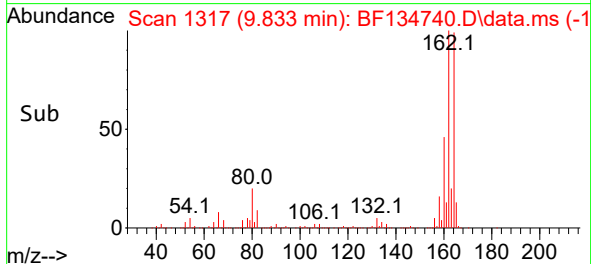
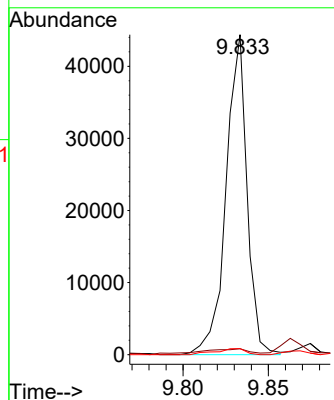
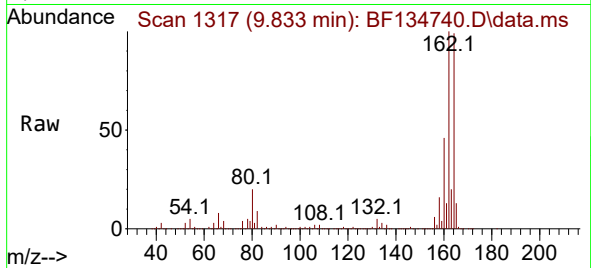




#51
2,6-Dinitrotoluene
Concen: 11.753 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

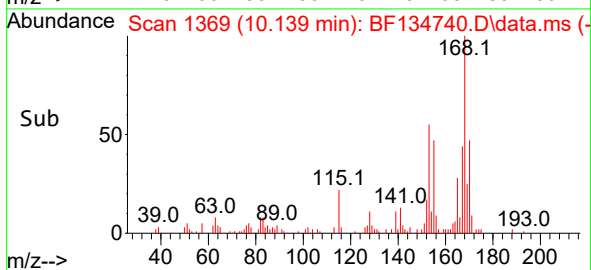
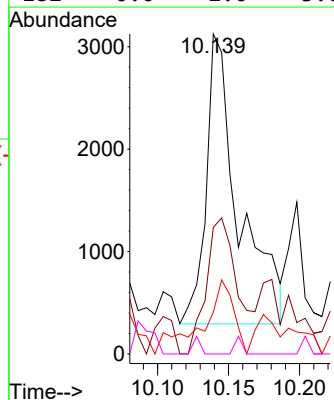
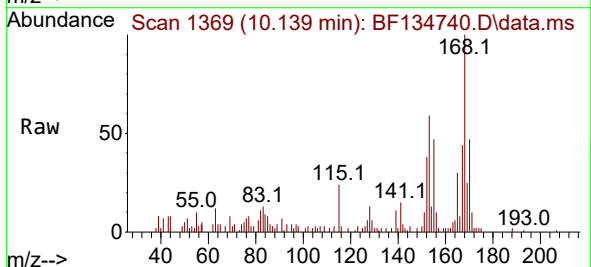
Instrument :
BNA_F
ClientSampleId :
ETGI-339

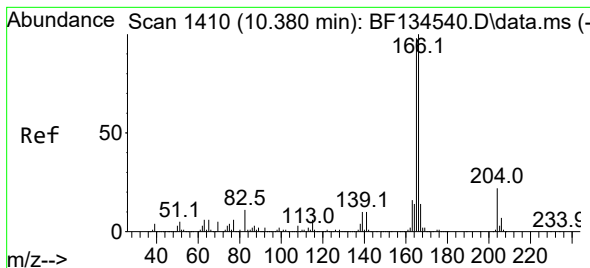
Tgt Ion:165 Resp: 38067
Ion Ratio Lower Upper
165 100
63 1.8 57.8 86.6#
89 1.9 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 3.753 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.112 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:165 Resp: 4517
Ion Ratio Lower Upper
165 100
63 39.6 48.9 73.3#
89 13.1 61.7 92.5#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.805 ng

RT: 10.380 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

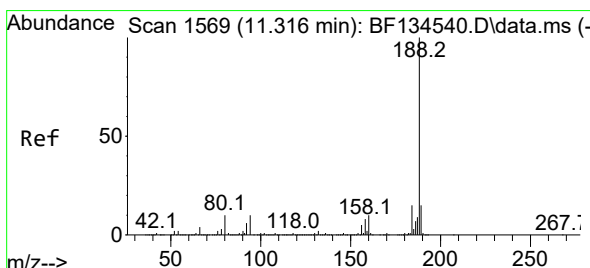
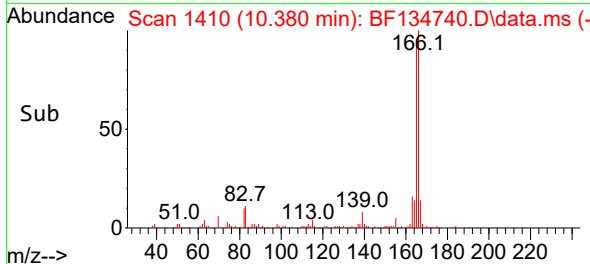
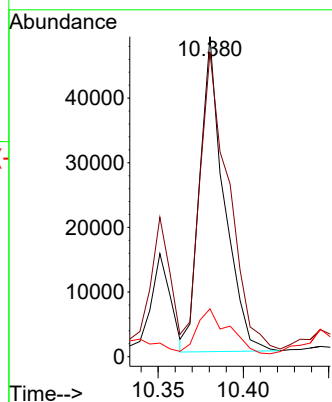
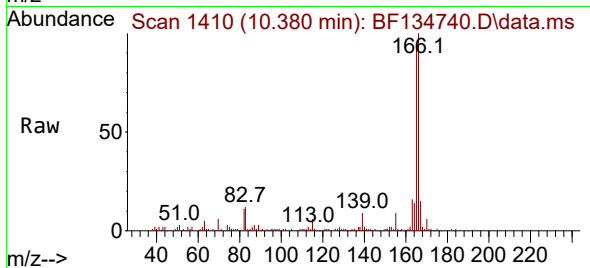
Tgt Ion:166 Resp: 48186

Ion Ratio Lower Upper

166 100

165 95.2 74.5 111.7

167 15.0 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

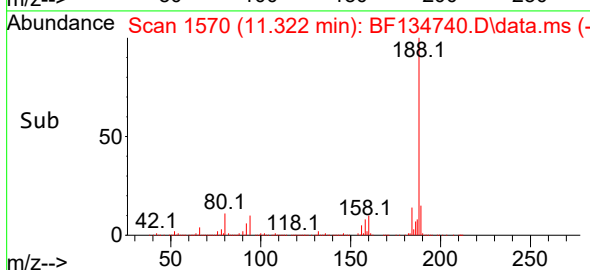
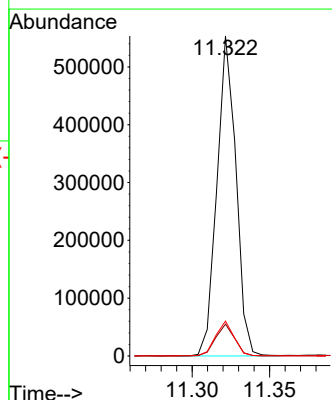
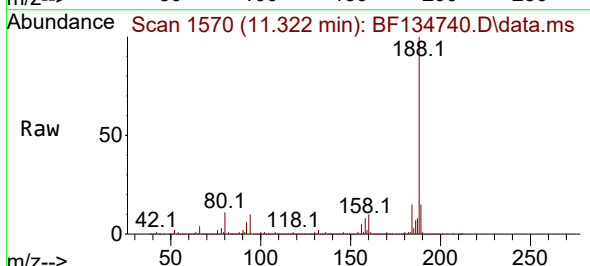
Tgt Ion:188 Resp: 472995

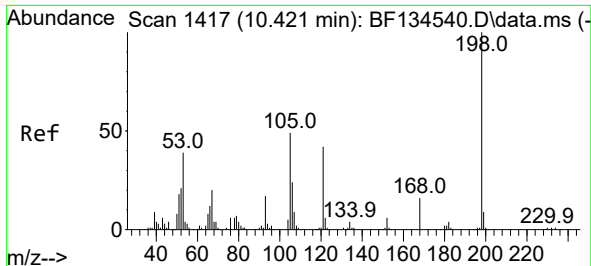
Ion Ratio Lower Upper

188 100

94 10.0 5.1 7.7#

80 10.9 6.6 9.8#

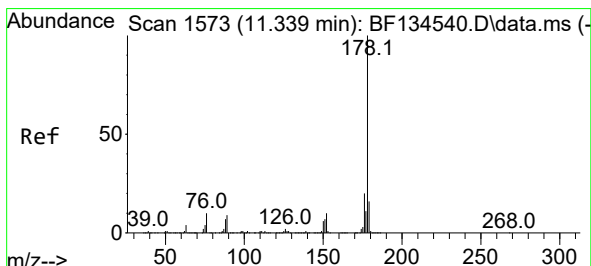
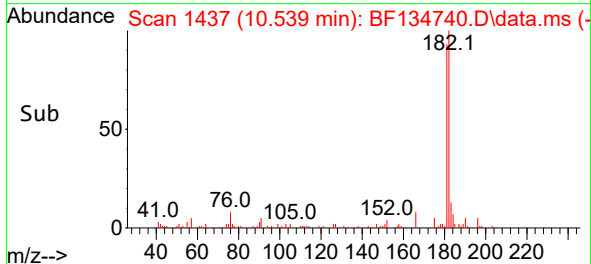
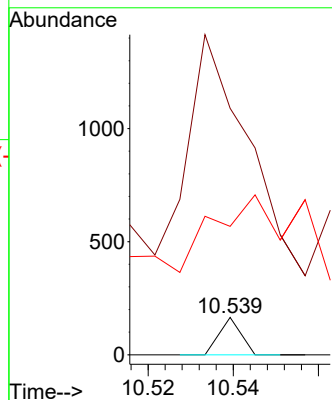
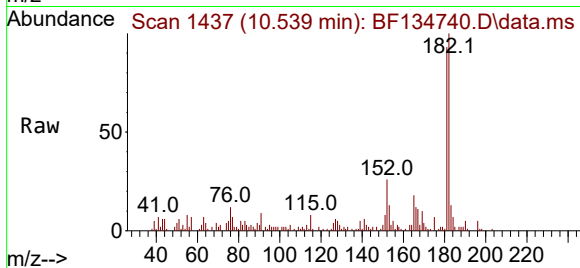




#65
4,6-Dinitro-2-methylphenol
Concen: 8.724 ng
RT: 10.539 min Scan# 1417
Delta R.T. 0.100 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

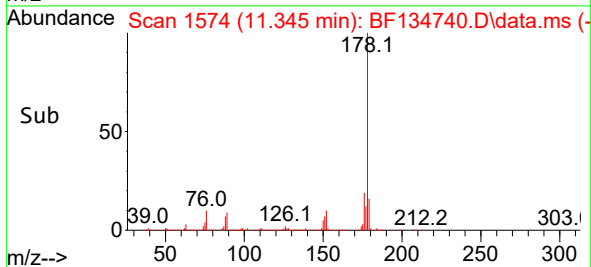
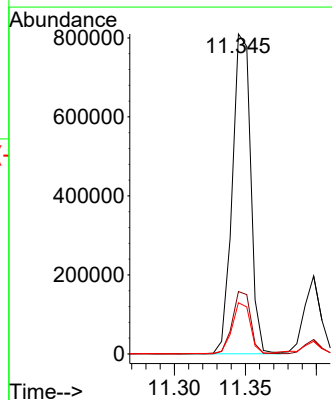
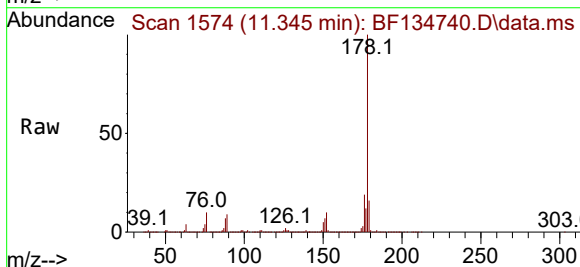
Instrument :
BNA_F
ClientSampleId :
ETGI-339

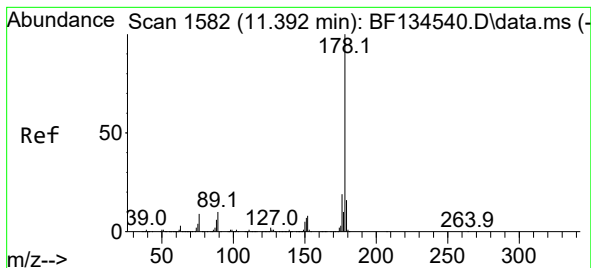
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 660.6 38.6 78.6#
105 344.2 27.9 67.9#



#71
Phenanthrene
Concen: 29.018 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134740.D
Acq: 11 Aug 2023 19:14

Tgt Ion:178 Resp: 729031
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.0 12.7 19.1





#72

Anthracene

Concen: 5.930 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

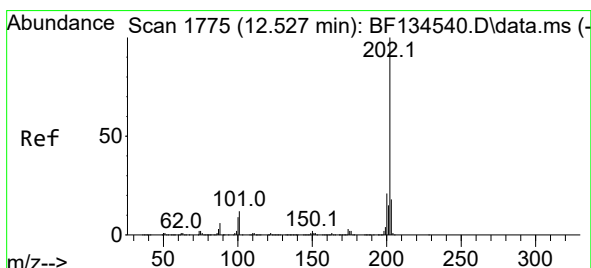
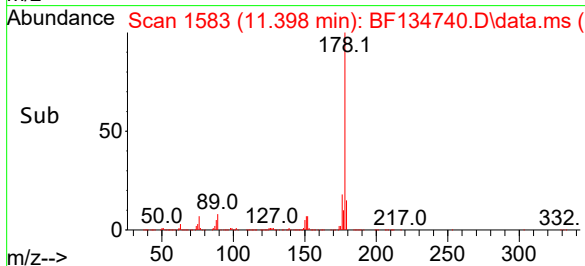
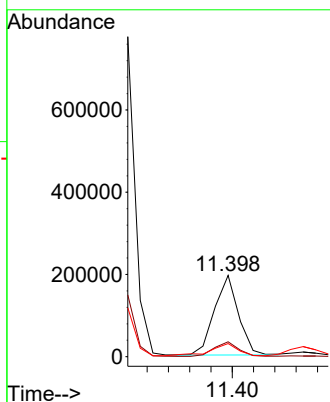
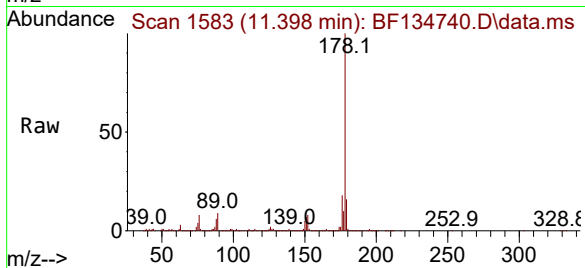
Tgt Ion:178 Resp: 152170

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 16.2 12.3 18.5



#75

Fluoranthene

Concen: 49.854 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

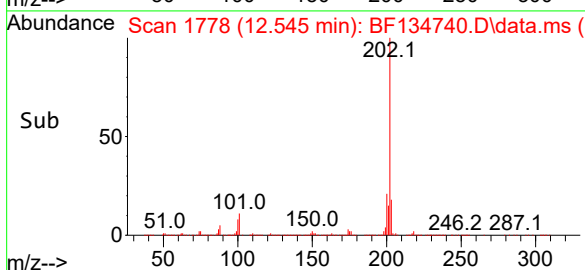
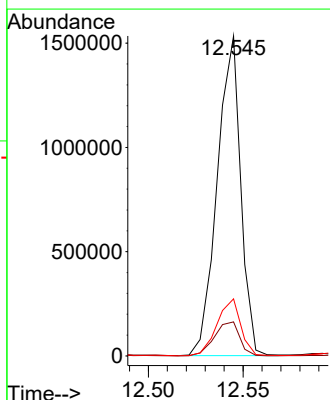
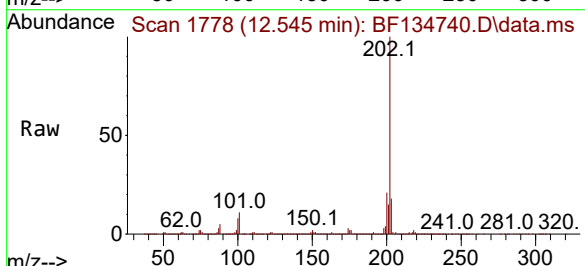
Tgt Ion:202 Resp: 1323033

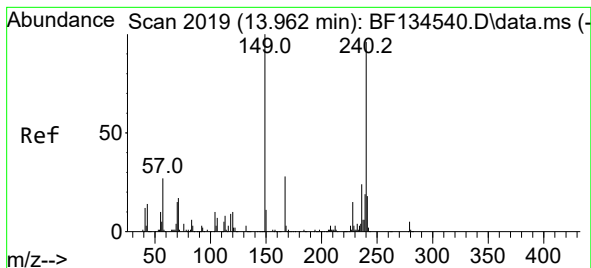
Ion Ratio Lower Upper

202 100

101 10.6 0.0 28.5

203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

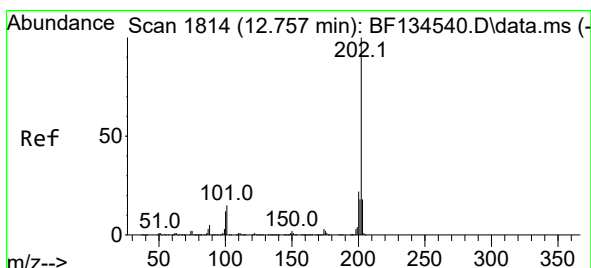
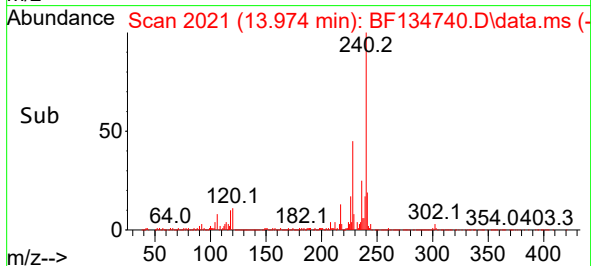
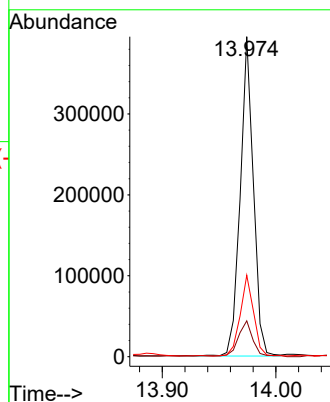
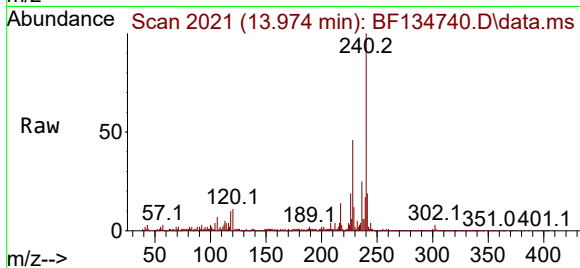
Tgt Ion:240 Resp: 317630

Ion Ratio Lower Upper

240 100

120 11.2 6.6 10.0#

236 25.4 20.2 30.2



#78

Pyrene

Concen: 51.271 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

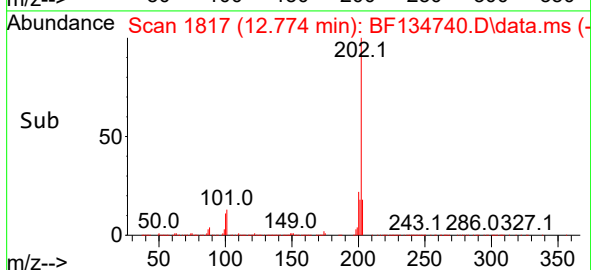
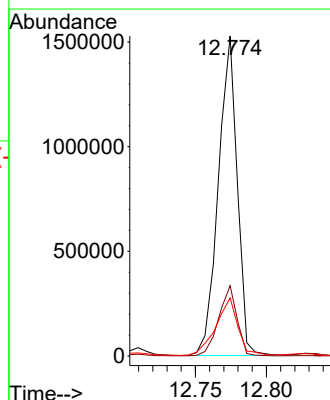
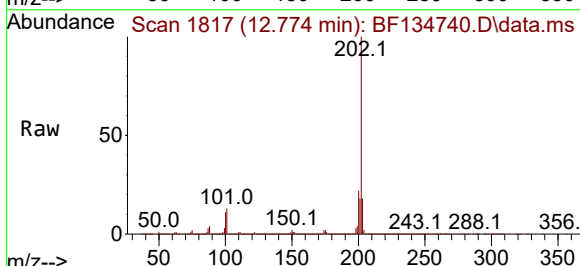
Tgt Ion:202 Resp: 1409187

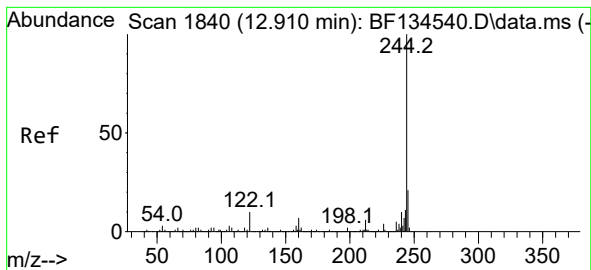
Ion Ratio Lower Upper

202 100

200 21.9 15.8 23.8

203 18.2 13.5 20.3





#79

Terphenyl-d14

Concen: 35.263 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

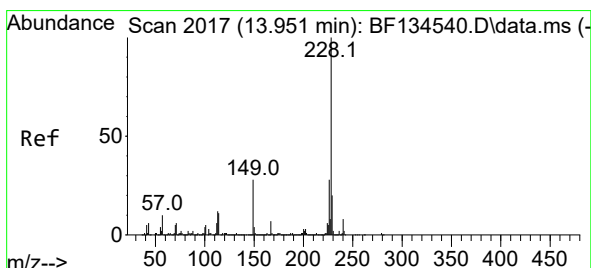
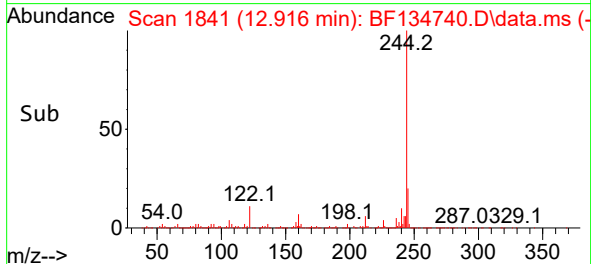
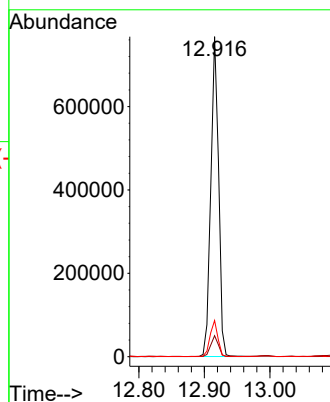
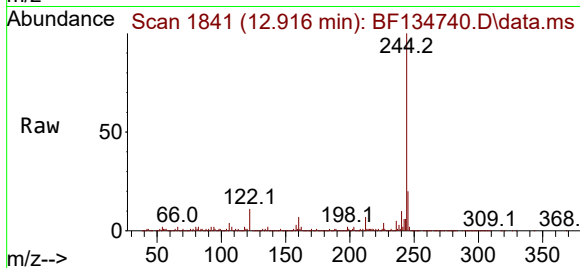
Tgt Ion:244 Resp: 635367

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 11.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 28.972 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.041 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

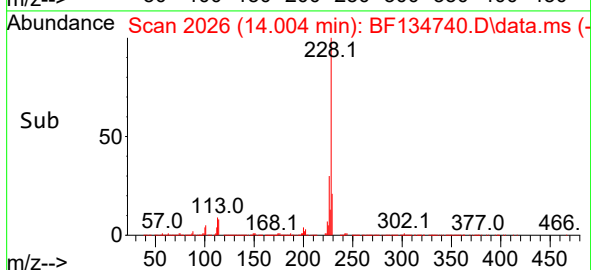
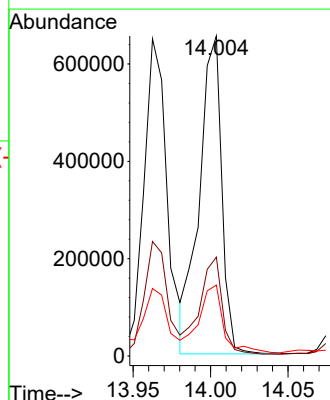
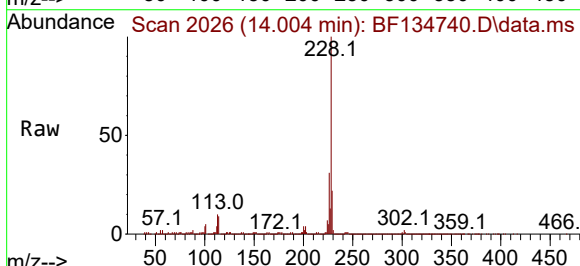
Tgt Ion:228 Resp: 658005

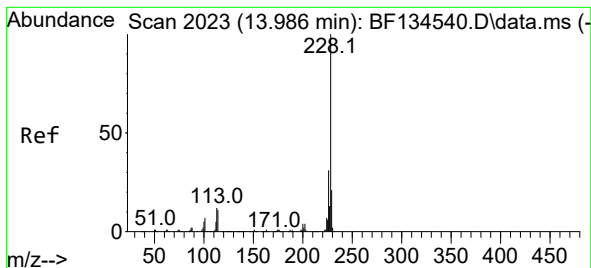
Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

229 22.1 15.8 23.6





#83

Chrysene

Concen: 29.737 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

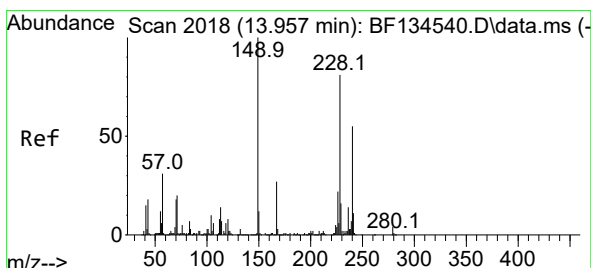
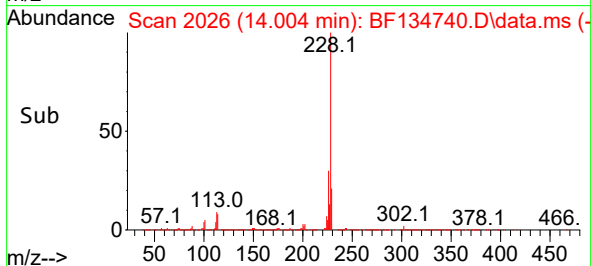
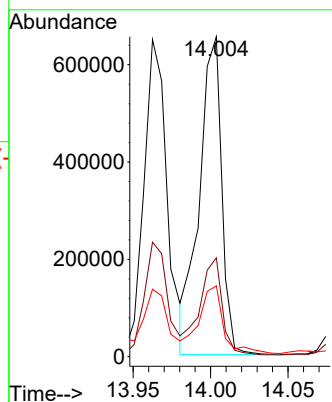
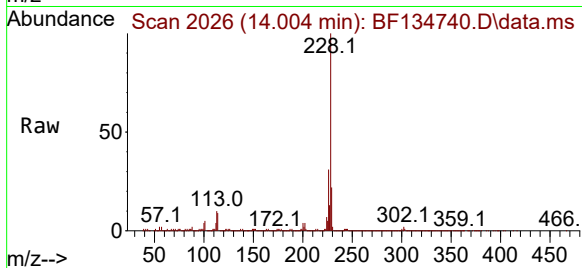
Tgt Ion:228 Resp: 658005

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 22.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.071 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

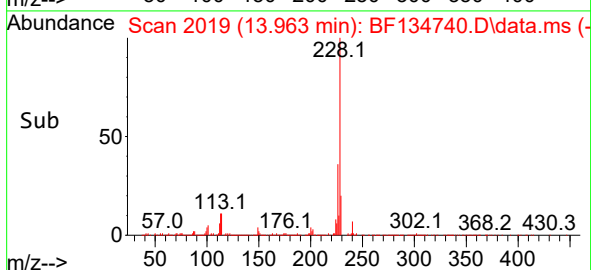
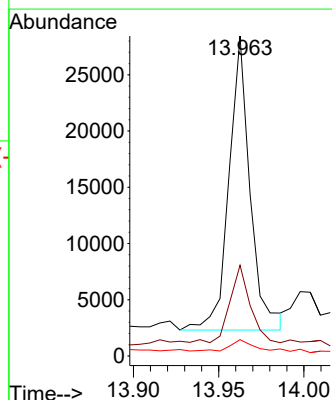
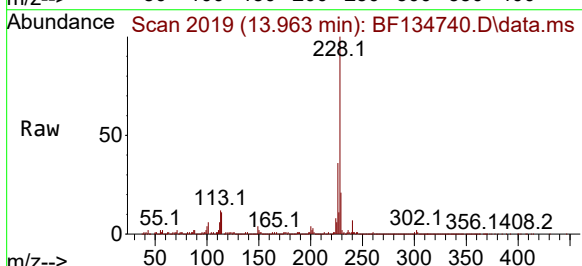
Tgt Ion:149 Resp: 22650

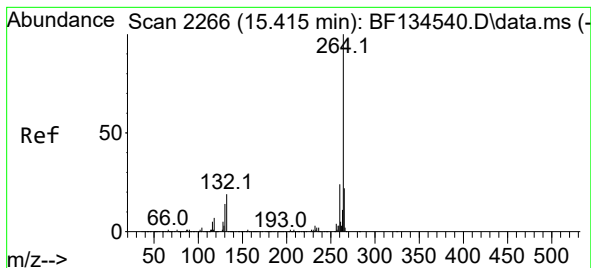
Ion Ratio Lower Upper

149 100

167 28.3 21.6 32.4

279 5.1 3.5 5.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

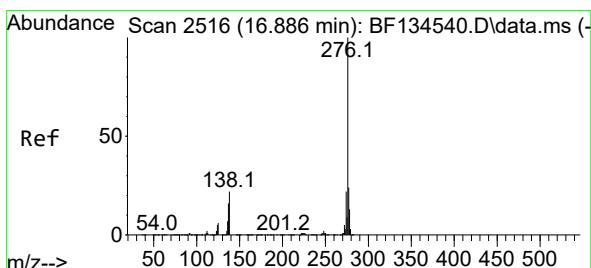
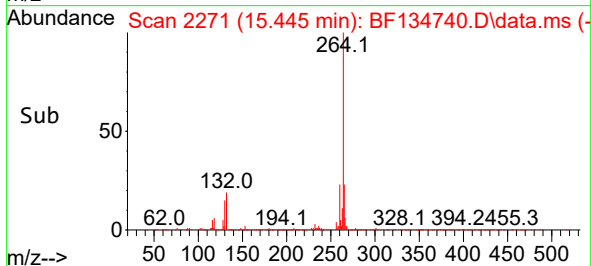
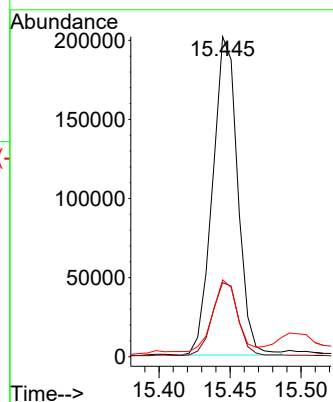
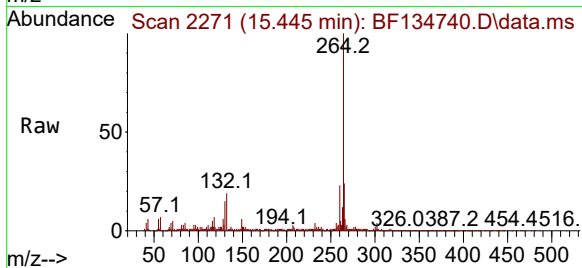
Tgt Ion:264 Resp: 246917

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 24.0 15.8 23.8#



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.116 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

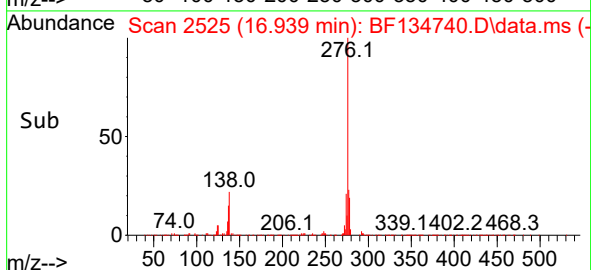
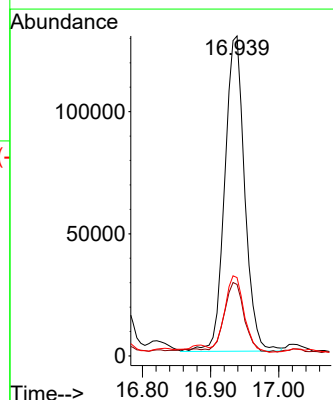
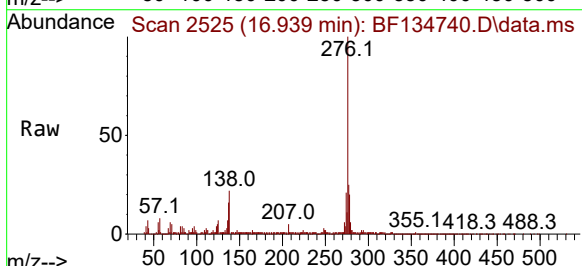
Tgt Ion:276 Resp: 263072

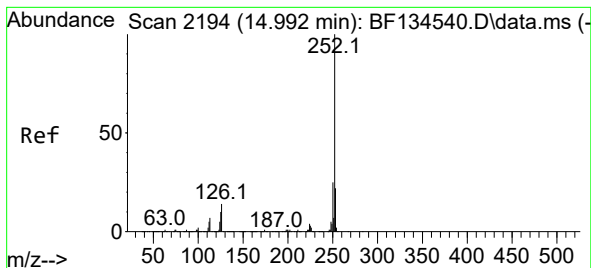
Ion Ratio Lower Upper

276 100

138 21.7 14.2 21.4#

277 23.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 55.369 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

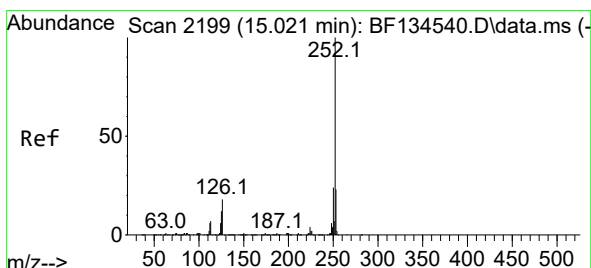
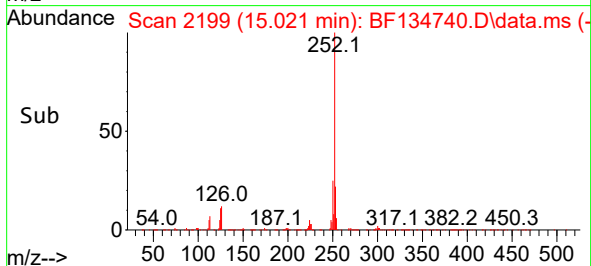
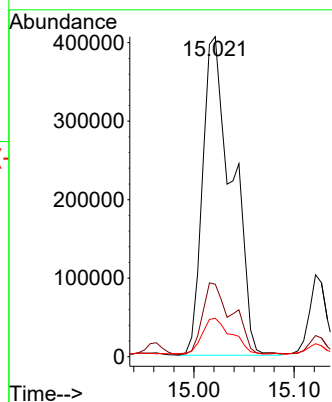
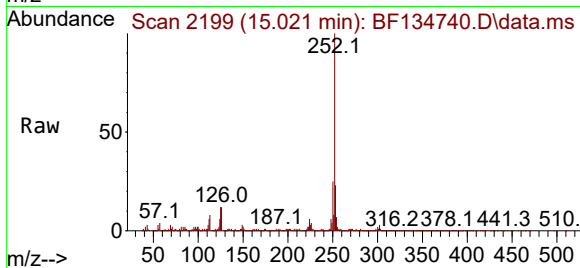
Tgt Ion:252 Resp: 833821

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 12.0 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 55.583 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

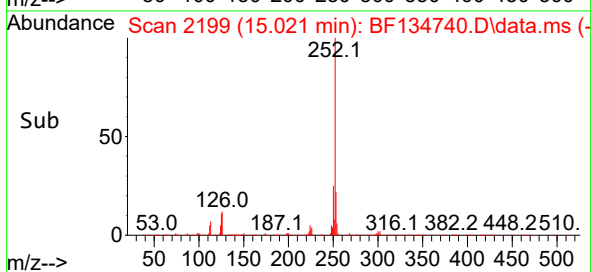
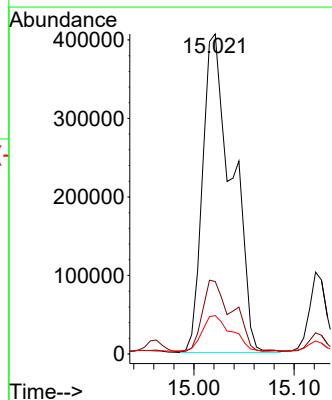
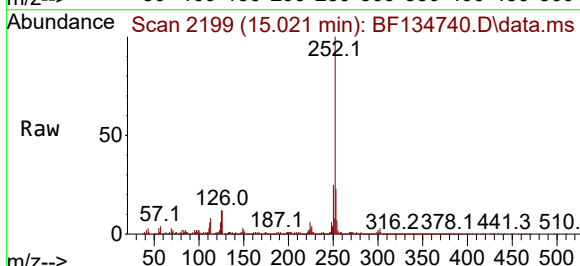
Tgt Ion:252 Resp: 833821

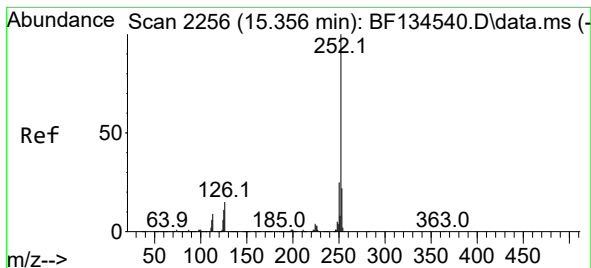
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 12.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 30.468 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339

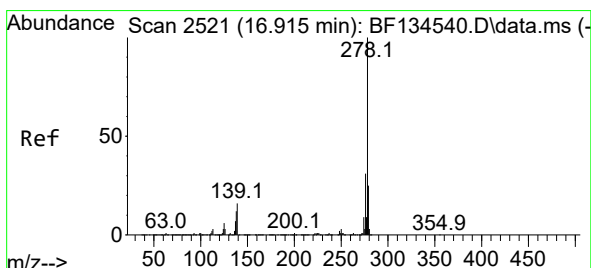
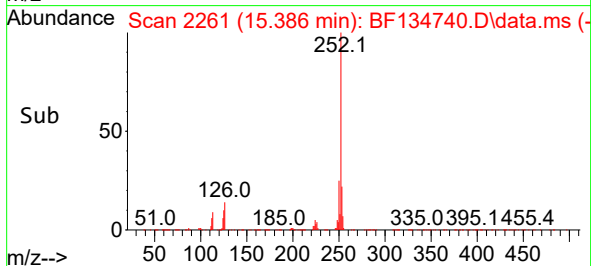
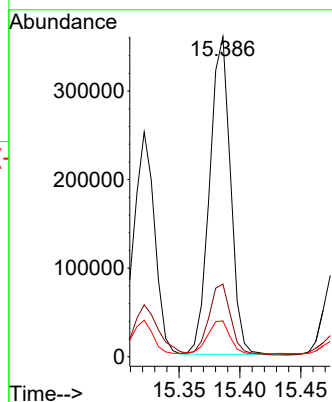
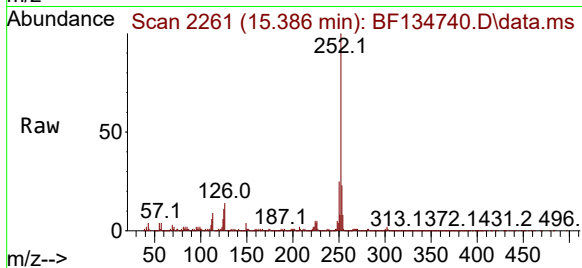
Tgt Ion:252 Resp: 427801

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 11.2 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 5.394 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134740.D

Acq: 11 Aug 2023 19:14

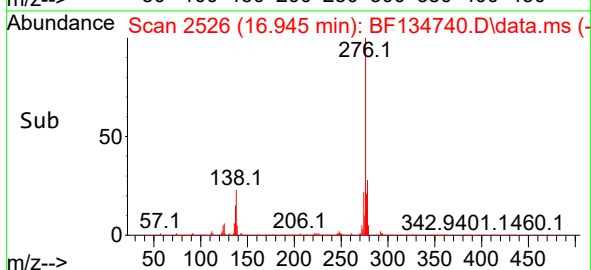
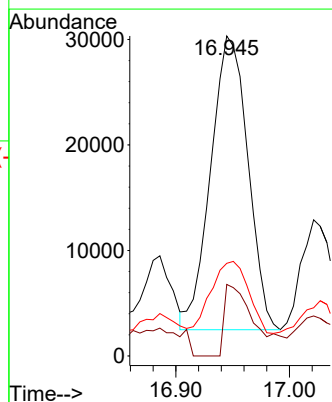
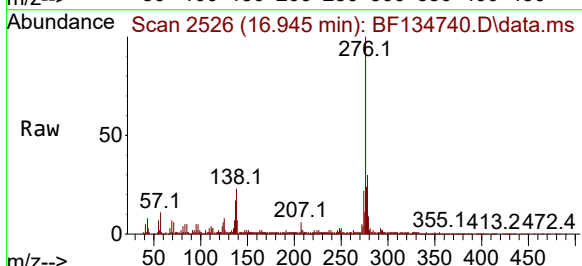
Tgt Ion:278 Resp: 63299

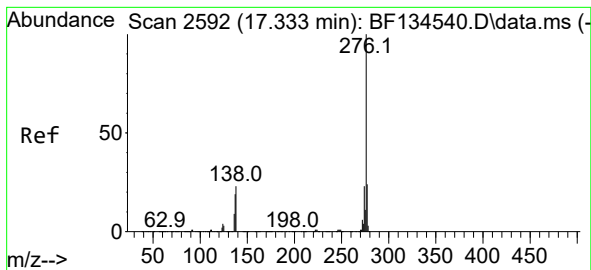
Ion Ratio Lower Upper

278 100

139 22.3 10.0 15.0#

279 29.0 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 21.339 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF134740.D

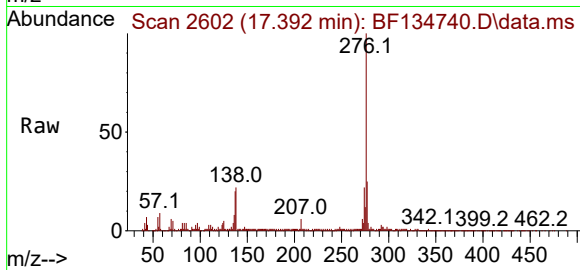
Acq: 11 Aug 2023 19:14

Instrument :

BNA_F

ClientSampleId :

ETGI-339



Tgt Ion:276 Resp: 255459

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 21.7 12.2 18.2#

