

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135737.D
 Acq On : 12 Oct 2023 16:28
 Operator : CG\JU
 Sample : 04837-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-284

Quant Time: Oct 13 00:56:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

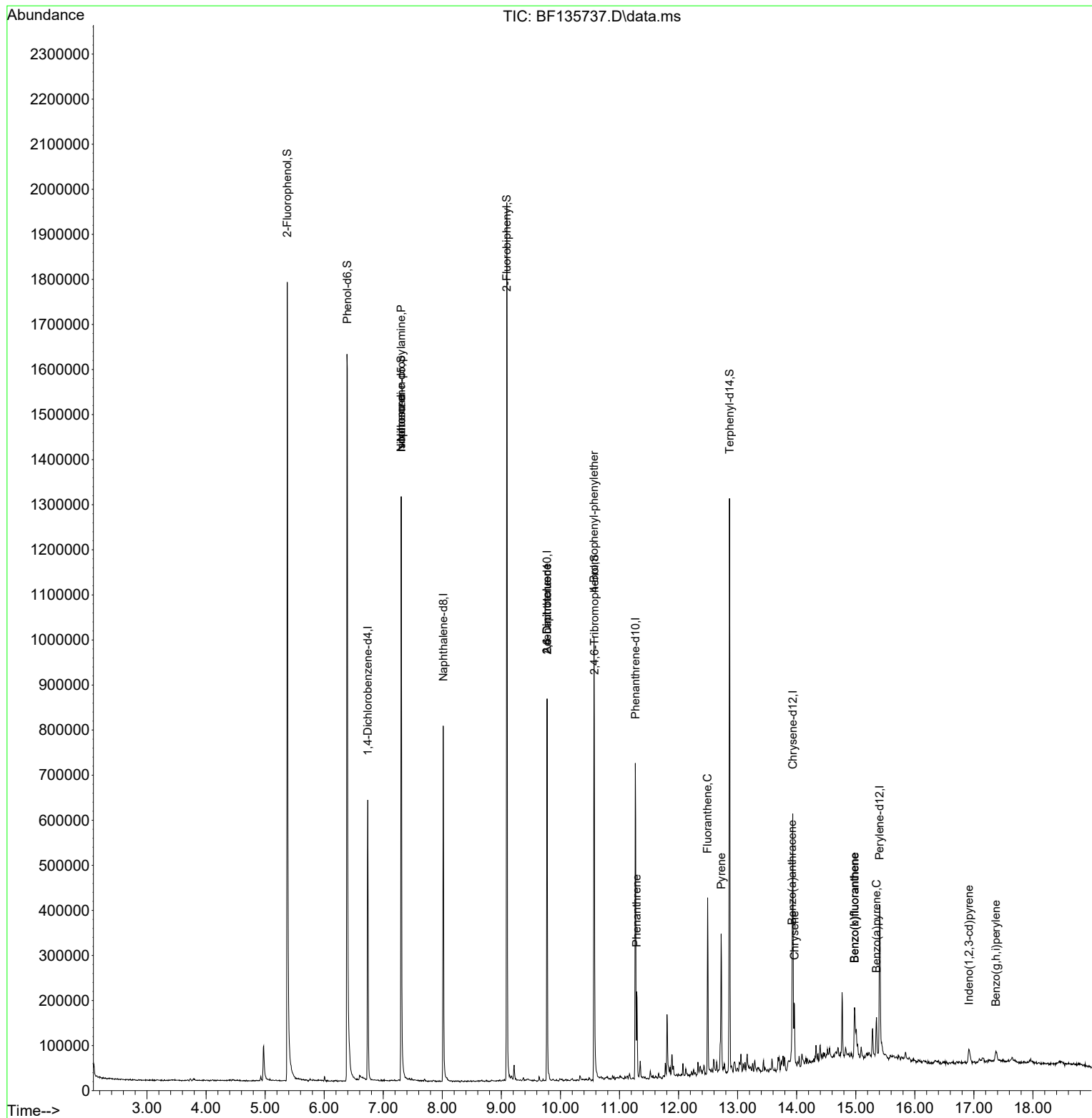
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	93817	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	346211	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	160570	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	262110	20.000	ng	0.00
76) Chrysene-d12	13.933	240	161962	20.000	ng	0.00
86) Perylene-d12	15.404	264	169319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	526574	91.289	ng	0.00
7) Phenol-d6	6.392	99	621964	84.798	ng	0.00
23) Nitrobenzene-d5	7.304	82	386754	60.692	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	121396	76.078	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	602305	56.593	ng	0.00
79) Terphenyl-d14	12.863	244	433321	41.475	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	51766	11.395	ng	# 78
25) Isophorone	7.304	82	386754	33.052	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	21108	8.876	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	21108	7.090	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	7681	2.946	ng	# 1
71) Phenanthrene	11.292	178	75035	6.053	ng	100
75) Fluoranthene	12.492	202	150525	11.653	ng	98
78) Pyrene	12.721	202	130843	8.485	ng	98
81) Benzo(a)anthracene	13.921	228	62682	5.994	ng	99
83) Chrysene	13.963	228	55529	5.340	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	22520	2.029	ng	99
88) Benzo(b)fluoranthene	14.980	252	84770	9.248	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	84770	9.362	ng	# 98
90) Benzo(a)pyrene	15.351	252	43789	5.010	ng	99
92) Benzo(g,h,i)perylene	17.374	276	19981	2.106	ng	97

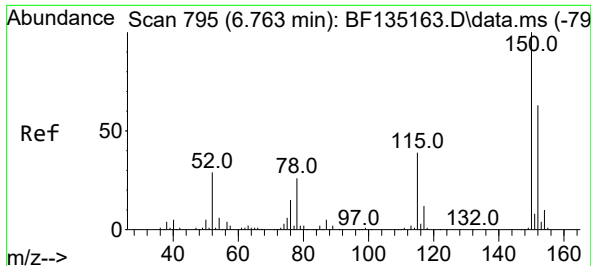
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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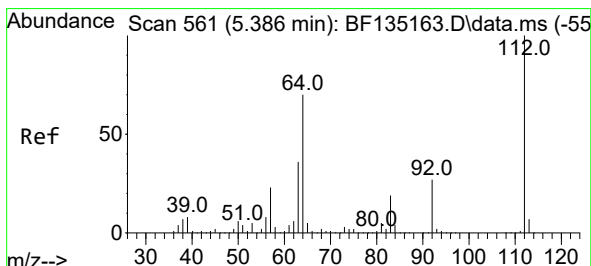
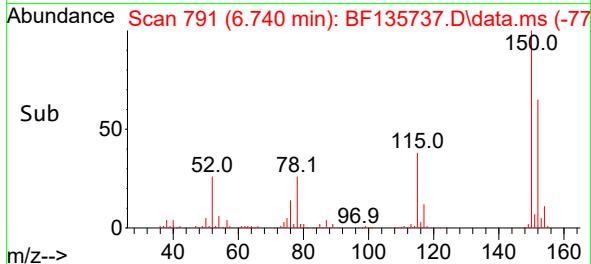
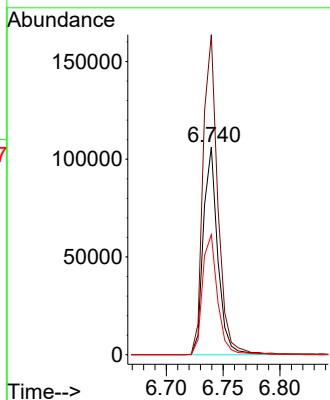
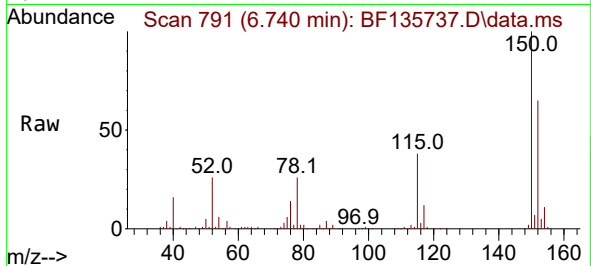




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

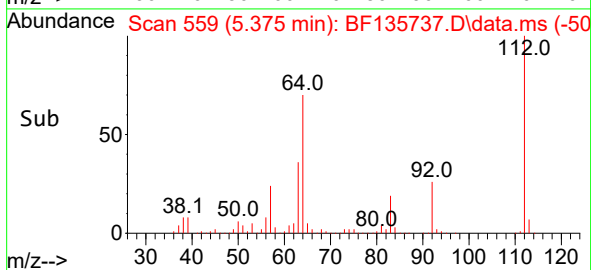
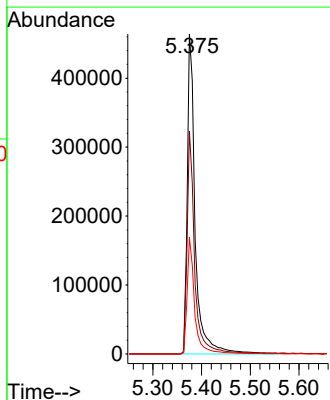
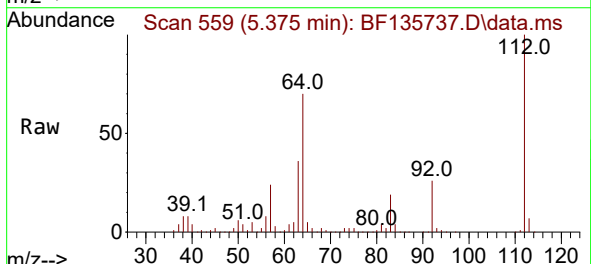
Instrument :
BNA_F
ClientSampleId :
ETGI-284

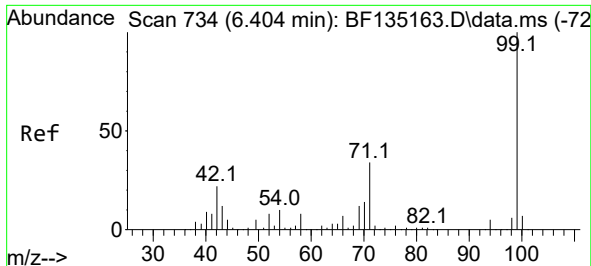
Tgt Ion:152 Resp: 93817
Ion Ratio Lower Upper
152 100
150 154.0 127.8 191.6
115 57.8 49.8 74.8



#5
2-Fluorophenol
Concen: 91.289 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:112 Resp: 526574
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 36.4 29.0 43.6

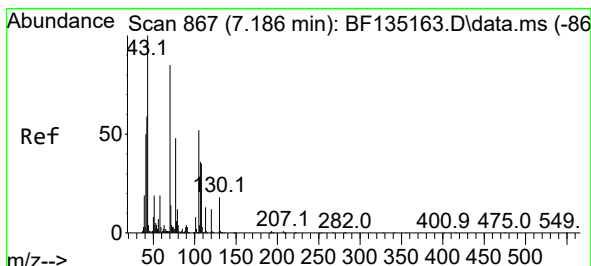
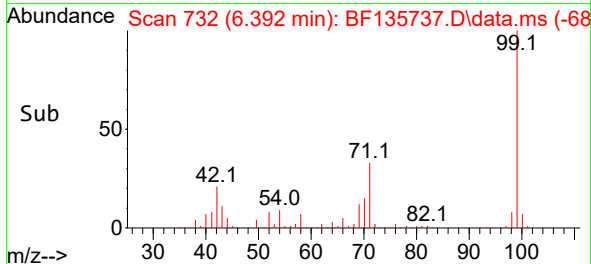
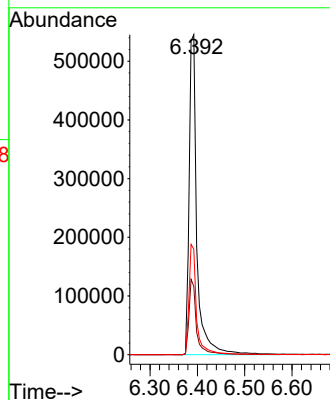
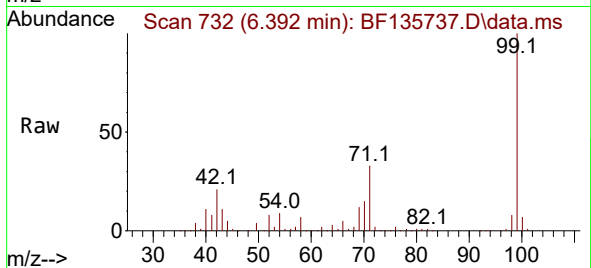




#7
Phenol-d6
Concen: 84.798 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

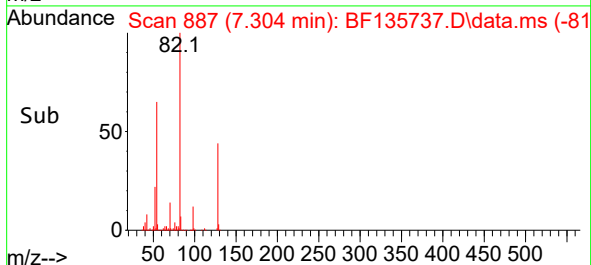
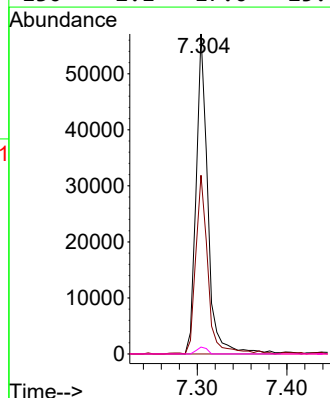
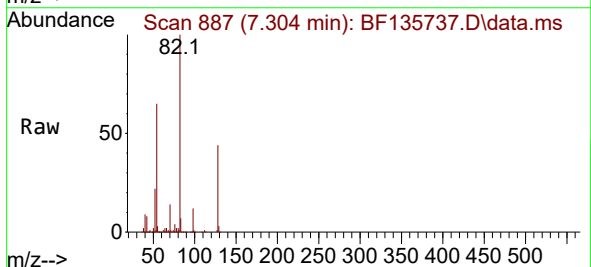
Instrument :
BNA_F
ClientSampleId :
ETGI-284

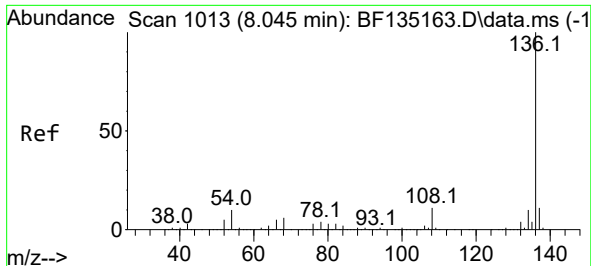
Tgt Ion: 99 Resp: 621964
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 33.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.395 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion: 70 Resp: 51766
Ion Ratio Lower Upper
70 100
42 55.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

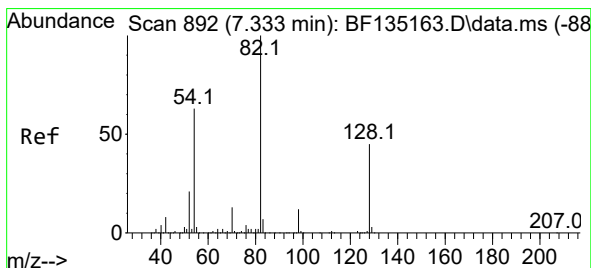
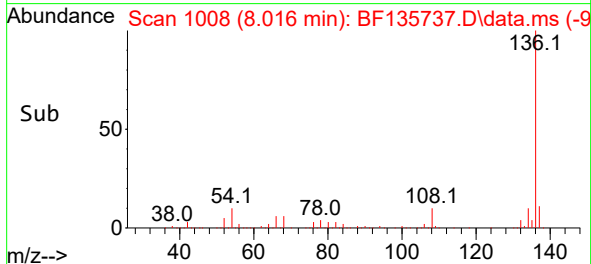
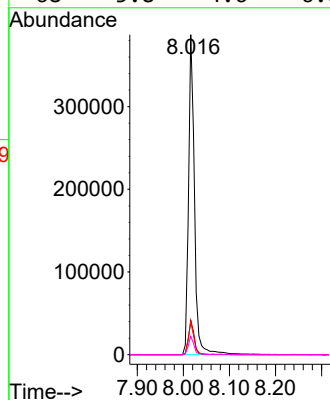
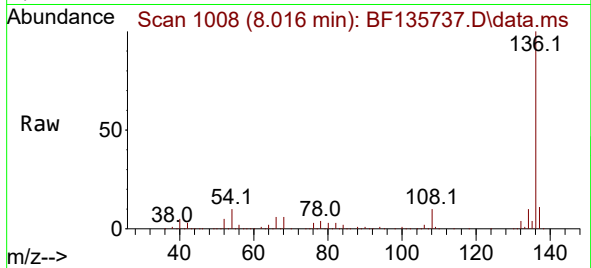




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

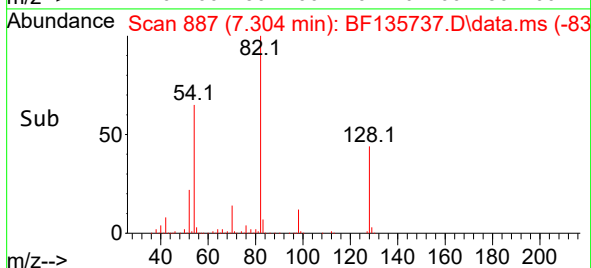
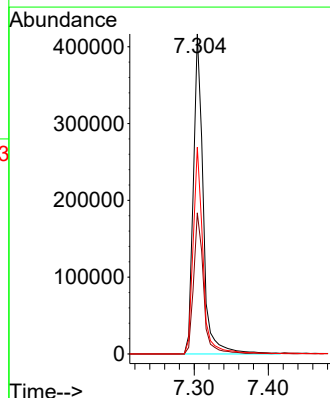
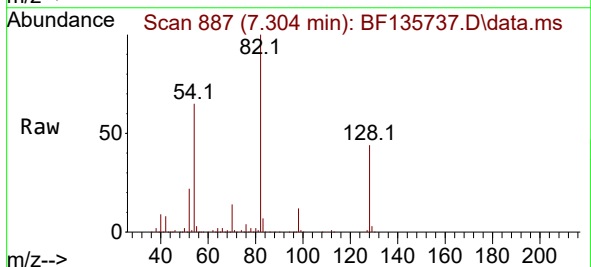
Instrument :
BNA_F
ClientSampleId :
ETGI-284

Tgt Ion:136 Resp: 346211
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.1 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 60.692 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion: 82 Resp: 386754
Ion Ratio Lower Upper
82 100
128 44.1 35.8 53.6
54 64.6 50.6 76.0

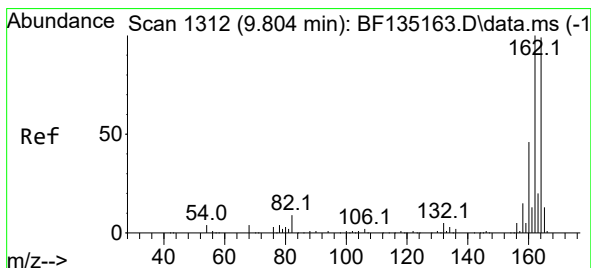
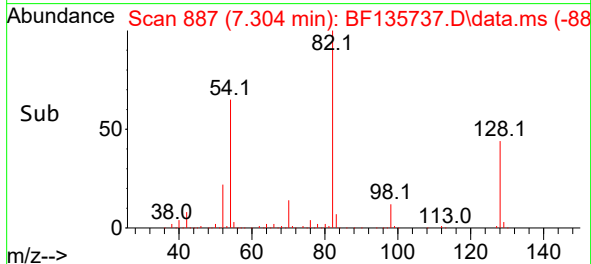
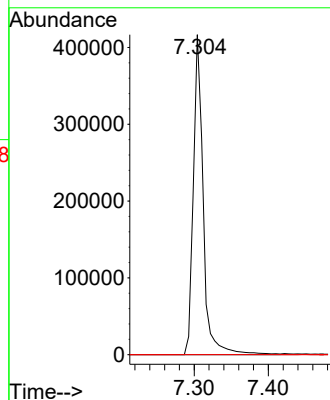
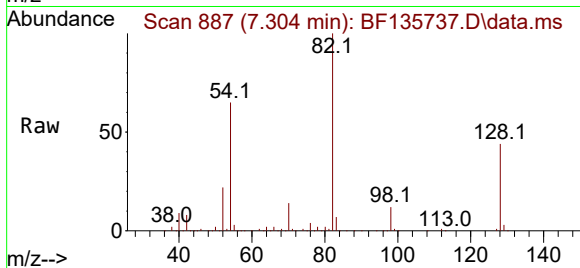




#25
Isophorone
Concen: 33.052 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

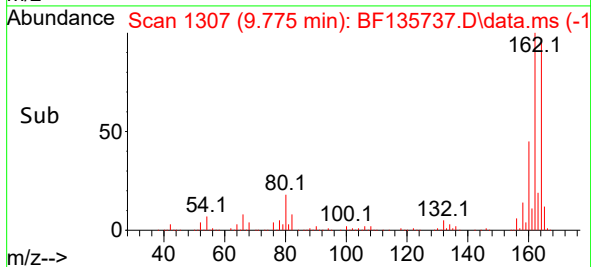
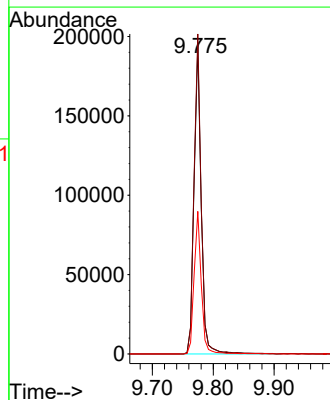
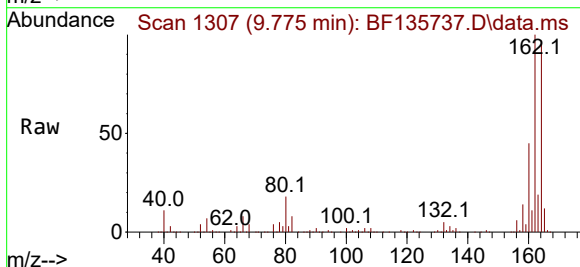
Instrument :
BNA_F
ClientSampleId :
ETGI-284

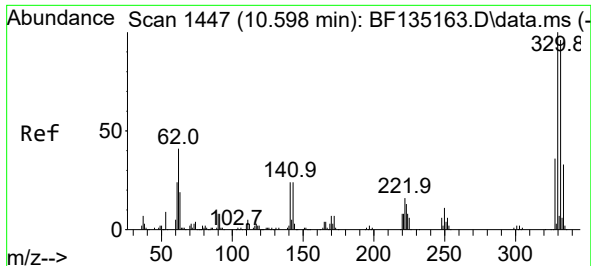
Tgt Ion: 82 Resp: 386754
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

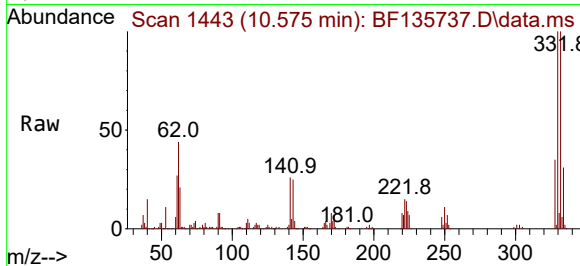
Tgt Ion:164 Resp: 160570
Ion Ratio Lower Upper
164 100
162 103.6 81.0 121.4
160 46.2 37.0 55.4



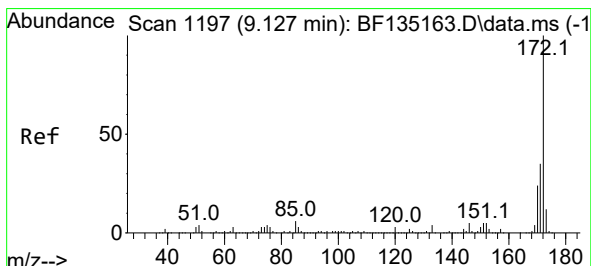
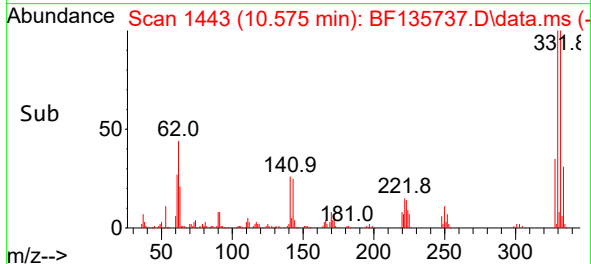
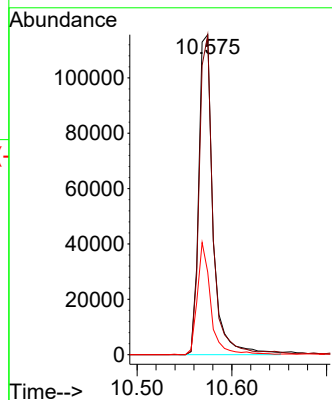


#42
2,4,6-Tribromophenol
Concen: 76.078 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284

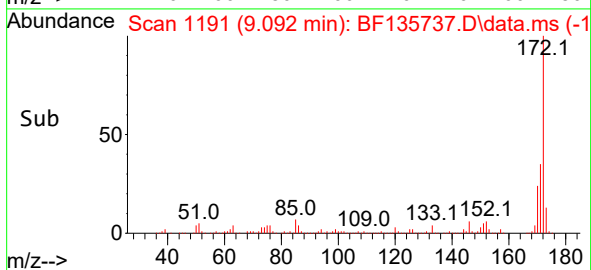
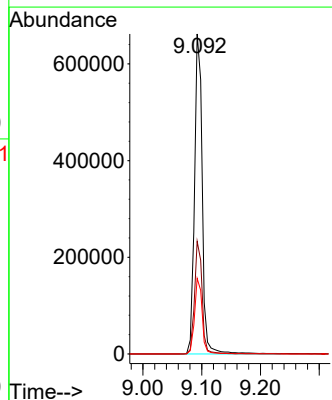
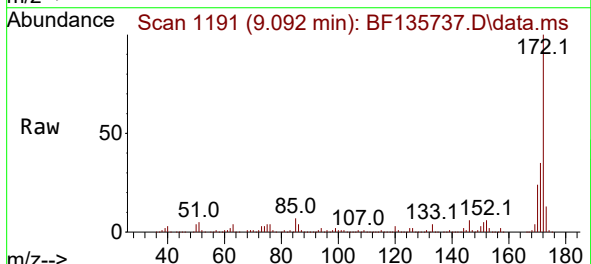


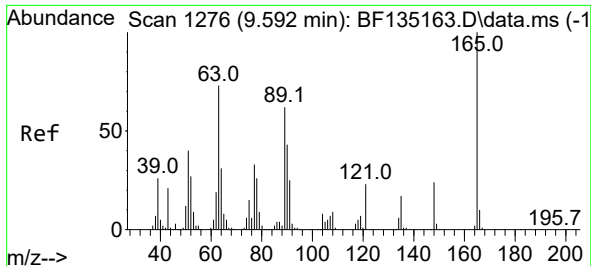
Tgt Ion:330 Resp: 121396
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 56.593 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:172 Resp: 602305
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.0 28.4

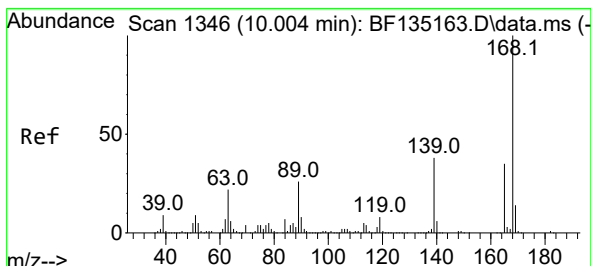
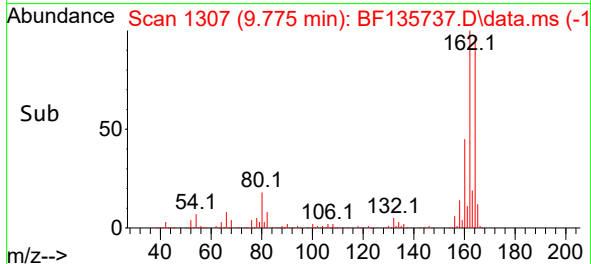
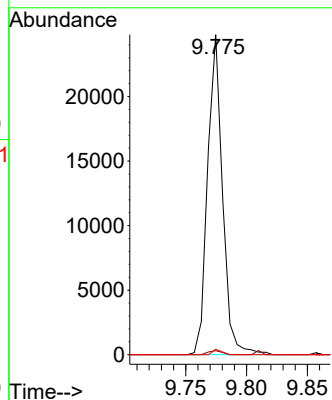
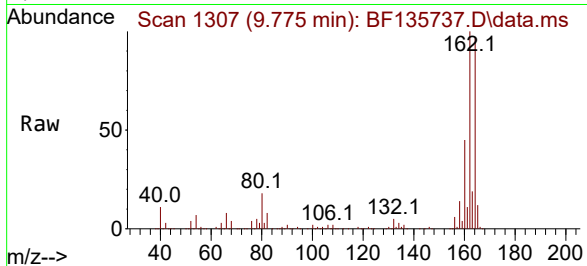




#51
2,6-Dinitrotoluene
Concen: 8.876 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

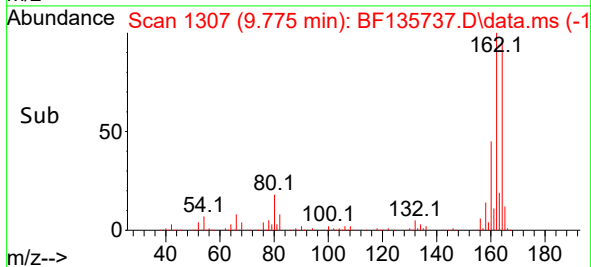
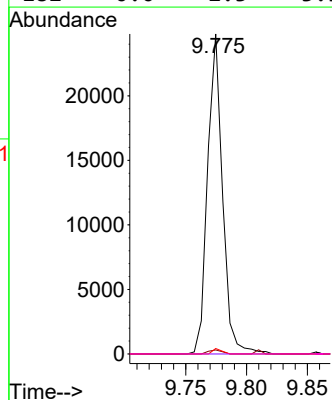
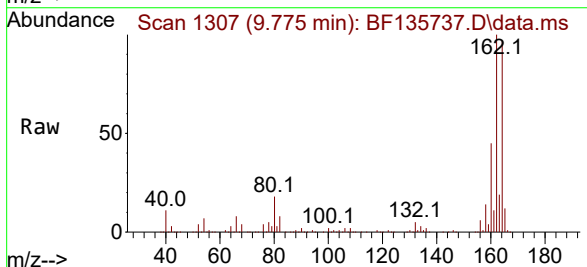
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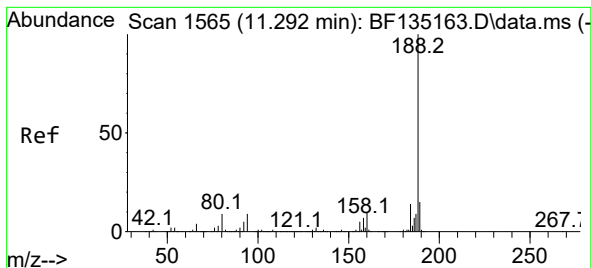
Tgt Ion:165 Resp: 21108
Ion Ratio Lower Upper
165 100
63 1.2 59.4 89.2#
89 1.7 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.090 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:165 Resp: 21108
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.7 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

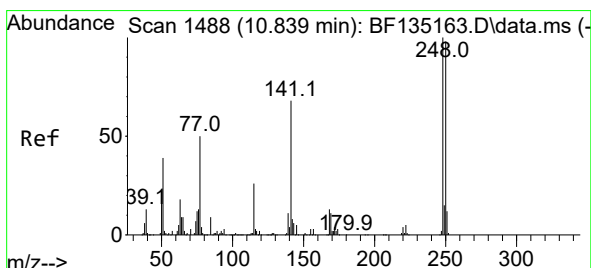
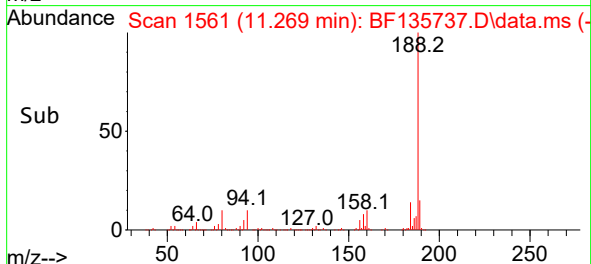
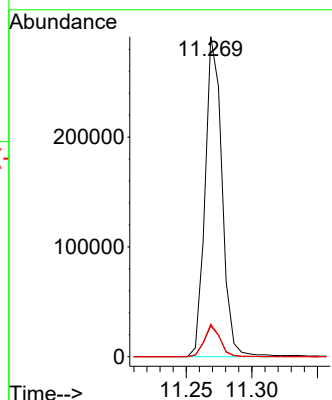
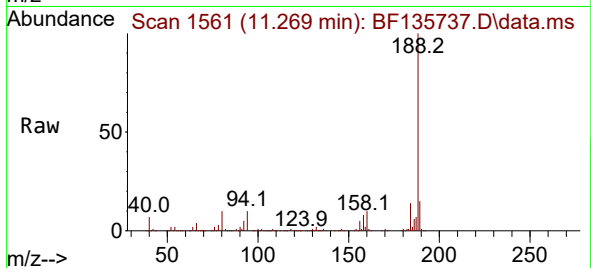
Tgt Ion:188 Resp: 262110

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 10.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.946 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

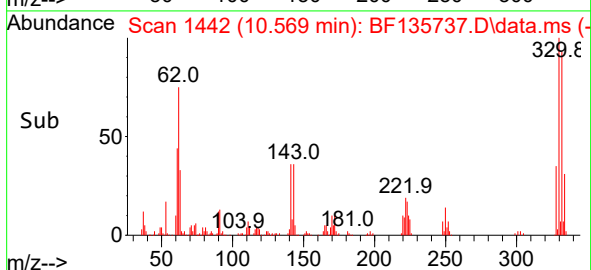
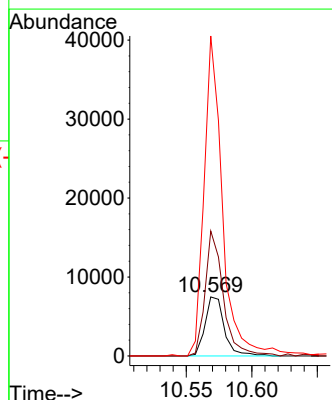
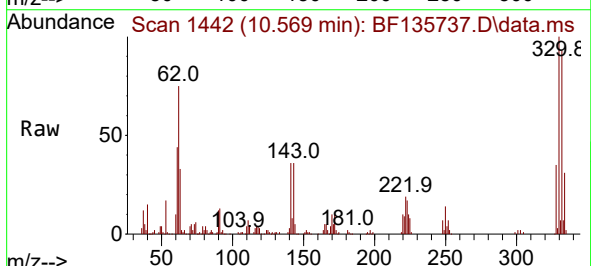
Tgt Ion:248 Resp: 7681

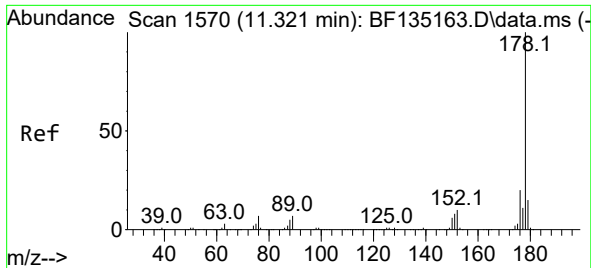
Ion Ratio Lower Upper

248 100

250 211.7 78.6 117.8#

141 542.0 54.2 81.2#

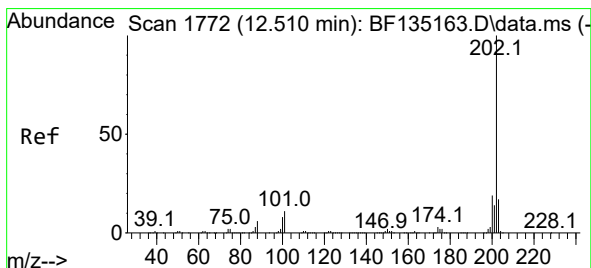
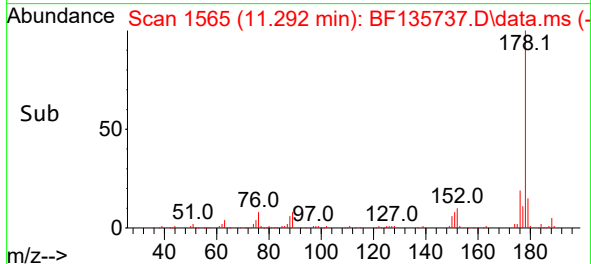
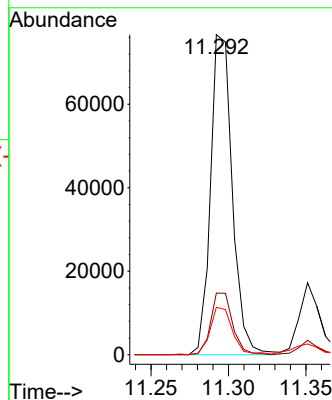
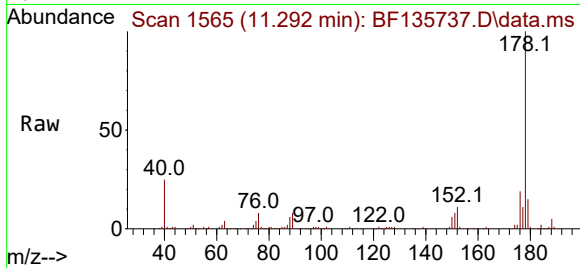




#71
Phenanthrene
Concen: 6.053 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

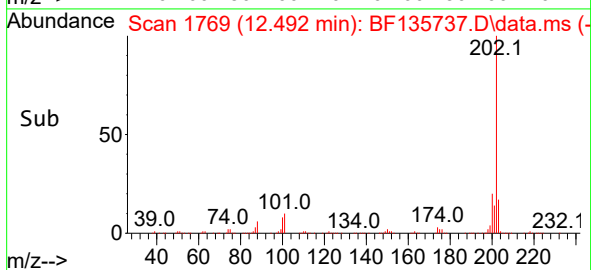
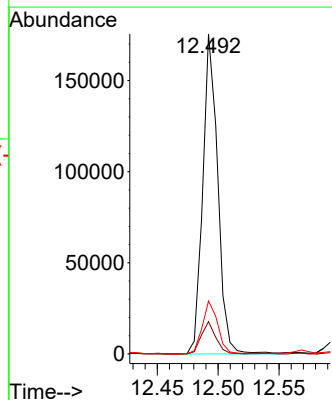
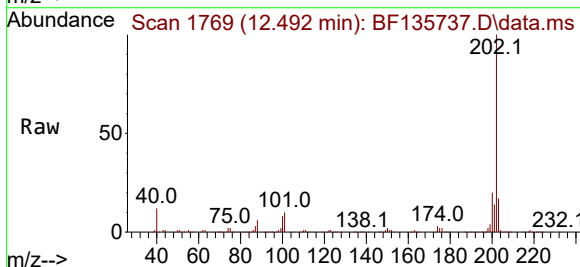
Instrument :
BNA_F
ClientSampleId :
ETGI-284

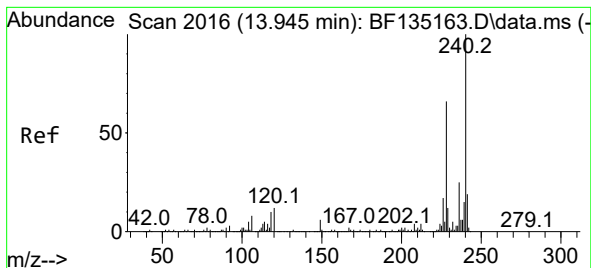
Tgt Ion:178 Resp: 75035
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 14.8 12.0 18.0



#75
Fluoranthene
Concen: 11.653 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Tgt Ion:202 Resp: 150525
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 16.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

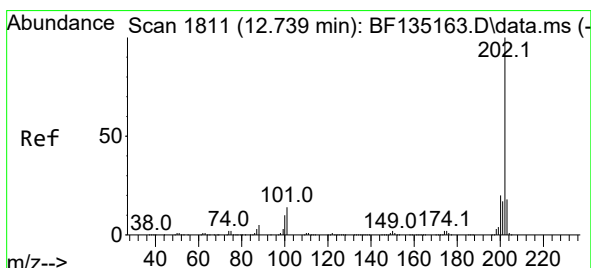
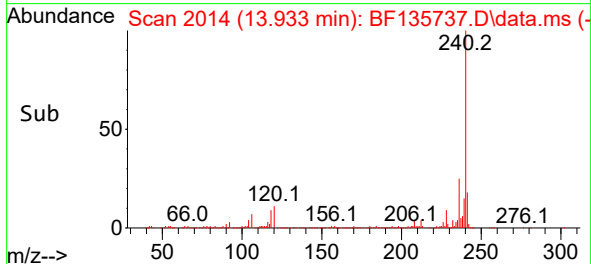
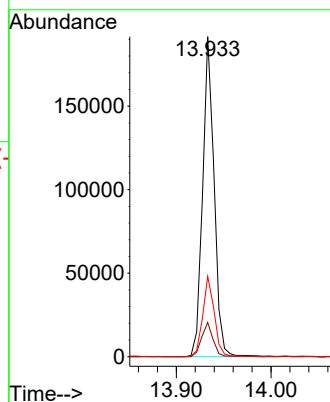
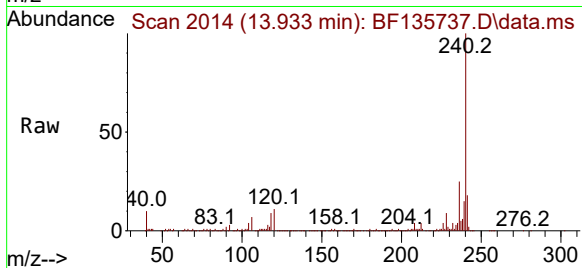
Tgt Ion:240 Resp: 161962

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 25.1 19.8 29.8



#78

Pyrene

Concen: 8.485 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

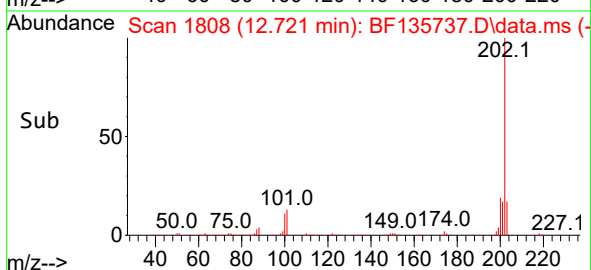
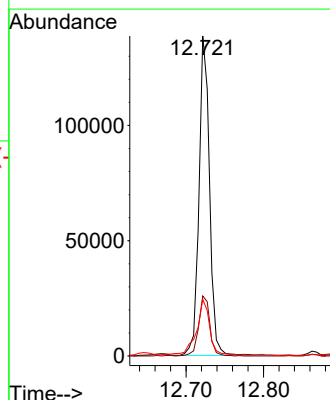
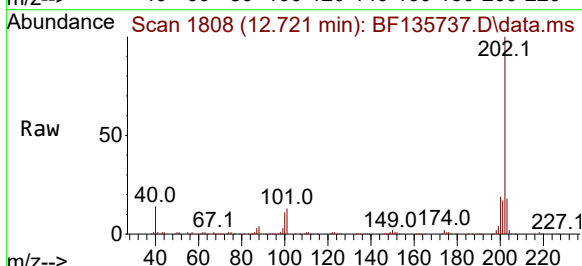
Tgt Ion:202 Resp: 130843

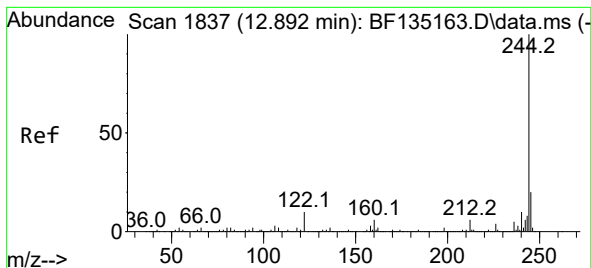
Ion Ratio Lower Upper

202 100

200 18.7 16.2 24.2

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 41.475 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

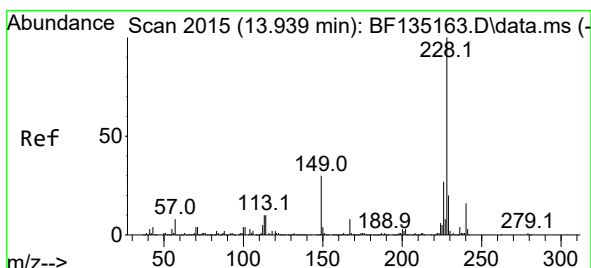
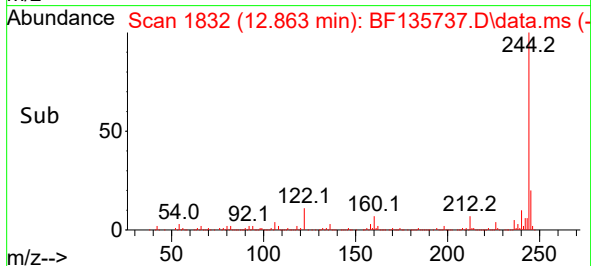
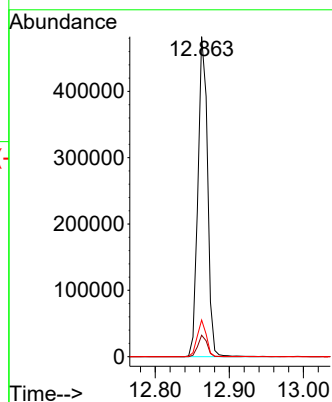
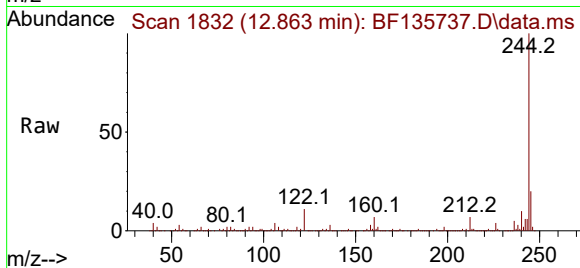
Tgt Ion:244 Resp: 433321

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 11.5 7.9 11.9



#81

Benzo(a)anthracene

Concen: 5.994 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

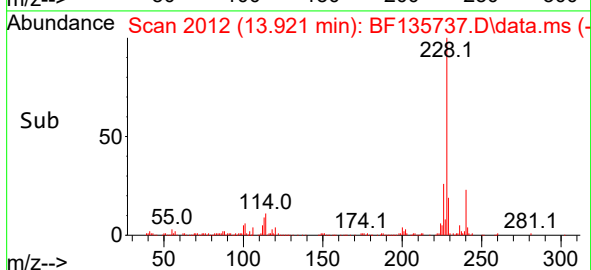
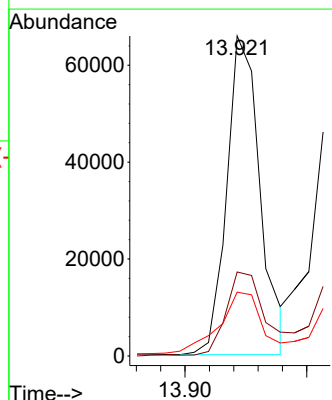
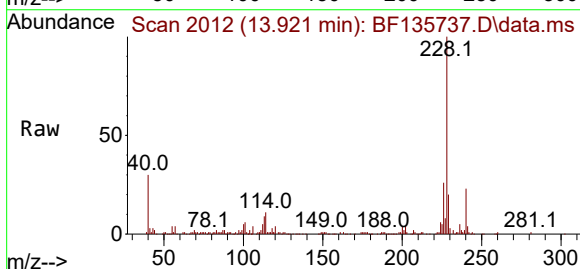
Tgt Ion:228 Resp: 62682

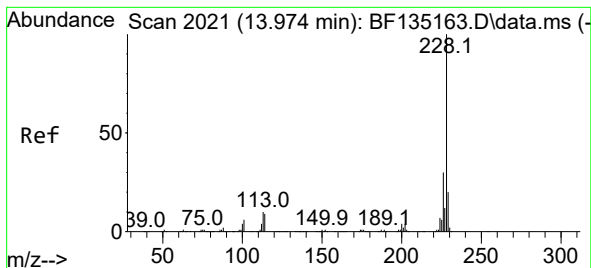
Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

229 20.0 15.8 23.8





#83

Chrysene

Concen: 5.340 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

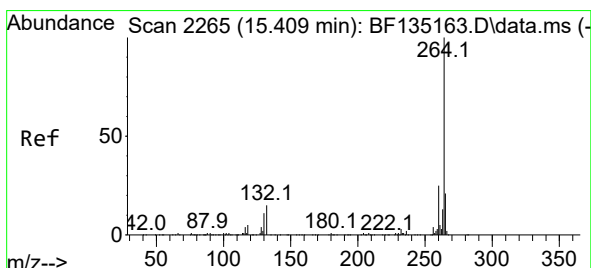
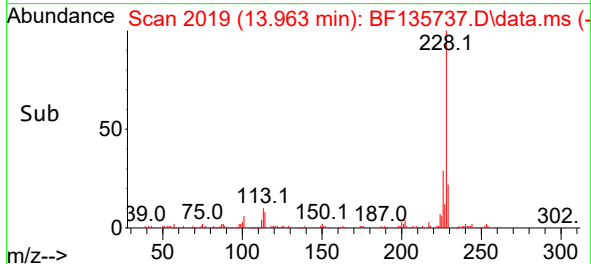
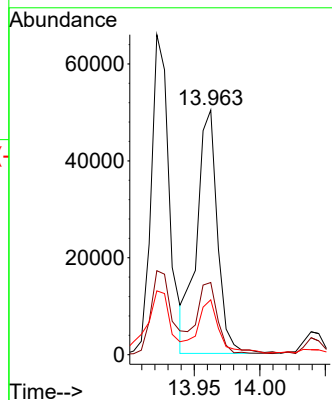
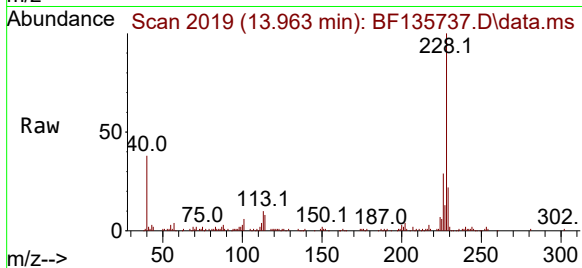
Tgt Ion:228 Resp: 55529

Ion Ratio Lower Upper

228 100

226 29.5 24.3 36.5

229 22.4 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

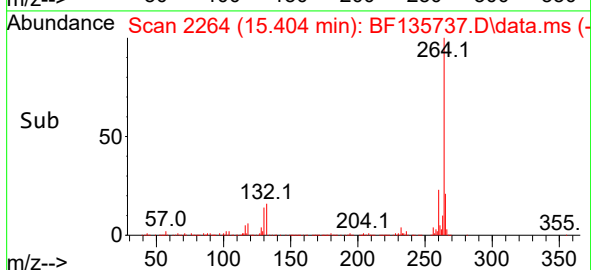
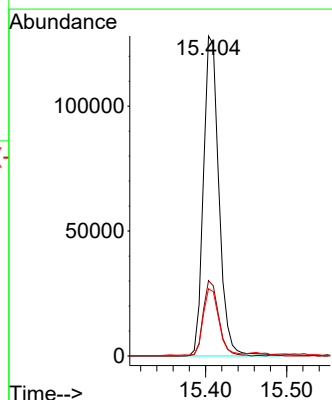
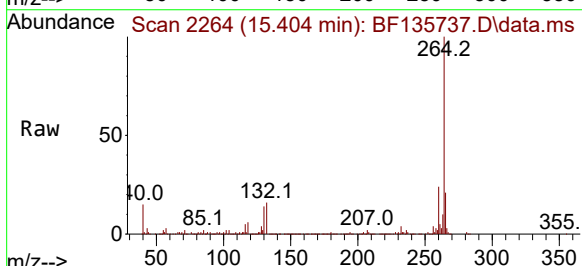
Tgt Ion:264 Resp: 169319

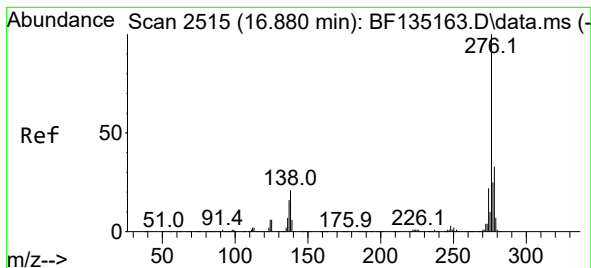
Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 21.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.029 ng

RT: 16.915 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

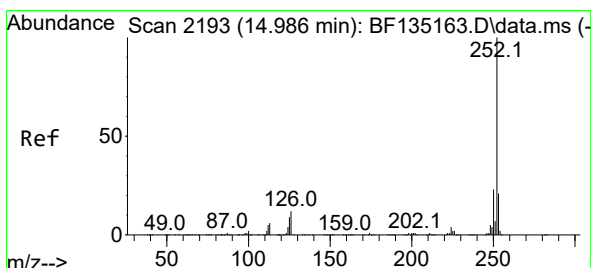
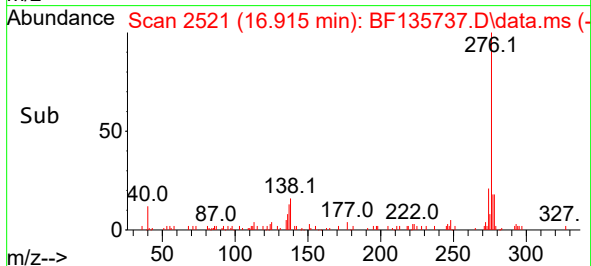
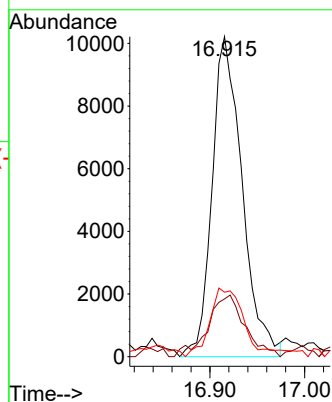
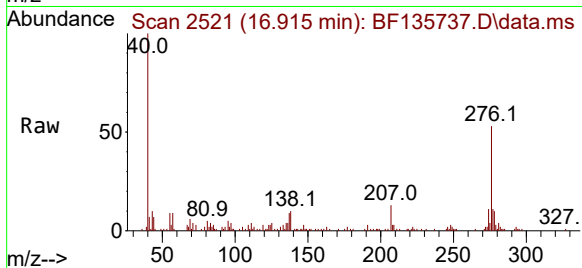
Tgt Ion:276 Resp: 22520

Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 25.4 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 9.248 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

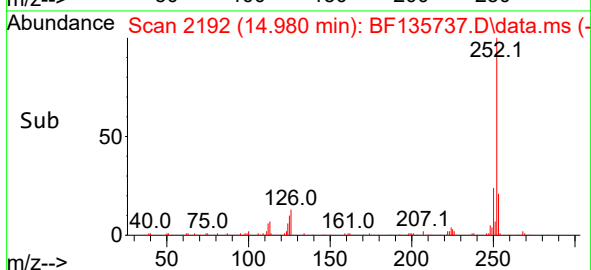
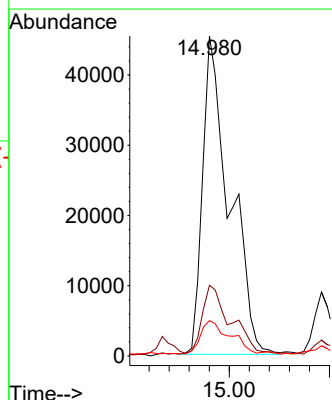
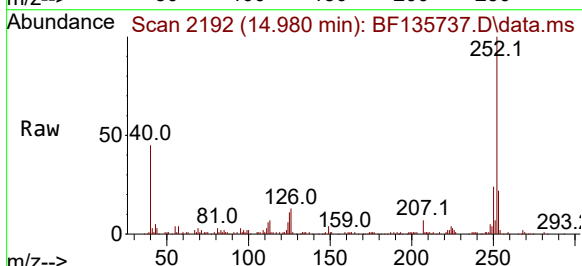
Tgt Ion:252 Resp: 84770

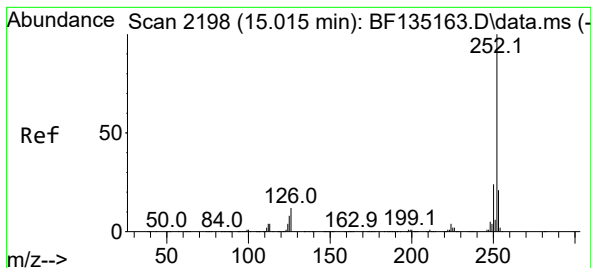
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 11.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 9.362 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

Instrument :

BNA_F

ClientSampleId :

ETGI-284

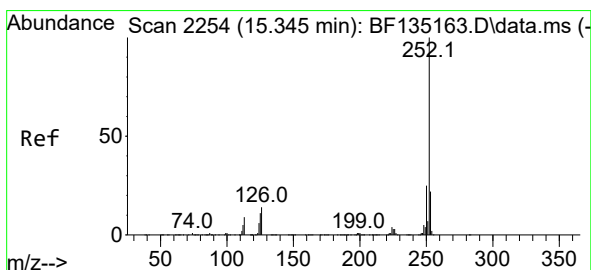
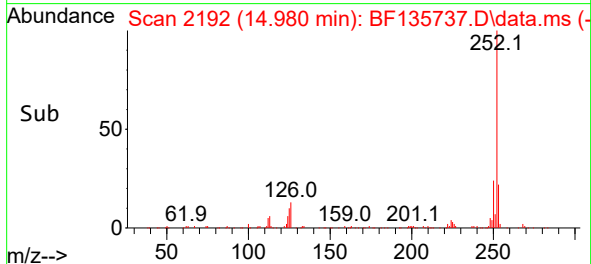
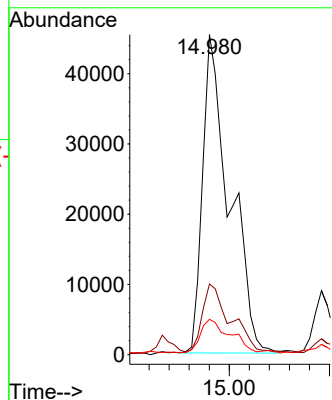
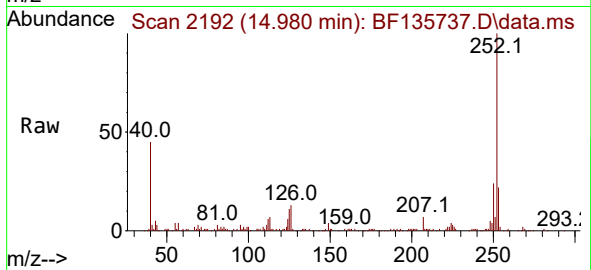
Tgt Ion:252 Resp: 84770

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 11.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 5.010 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135737.D

Acq: 12 Oct 2023 16:28

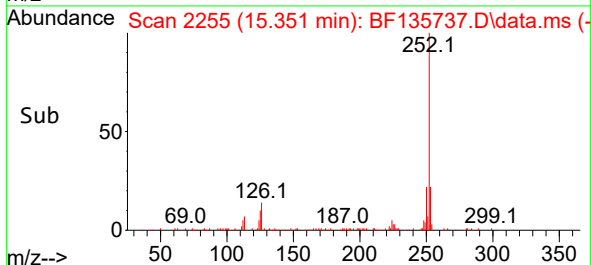
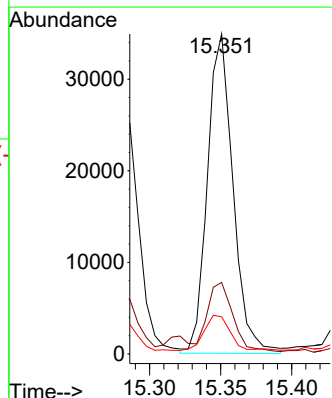
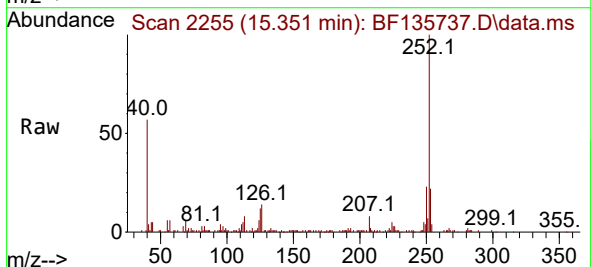
Tgt Ion:252 Resp: 43789

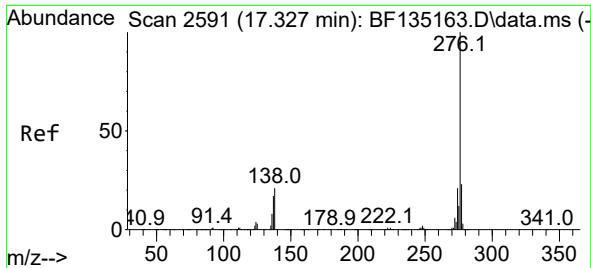
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

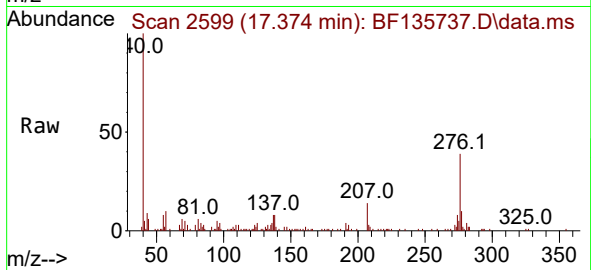
125 11.6 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 2.106 ng
RT: 17.374 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF135737.D
Acq: 12 Oct 2023 16:28

Instrument :
BNA_F
ClientSampleId :
ETGI-284



Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.8	28.2
138	21.4	16.9	25.3

