

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050824\
 Data File : BF137856.D
 Acq On : 08 May 2024 15:45
 Operator : CG\JU
 Sample : P2408-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-285

Quant Time: May 08 16:13:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

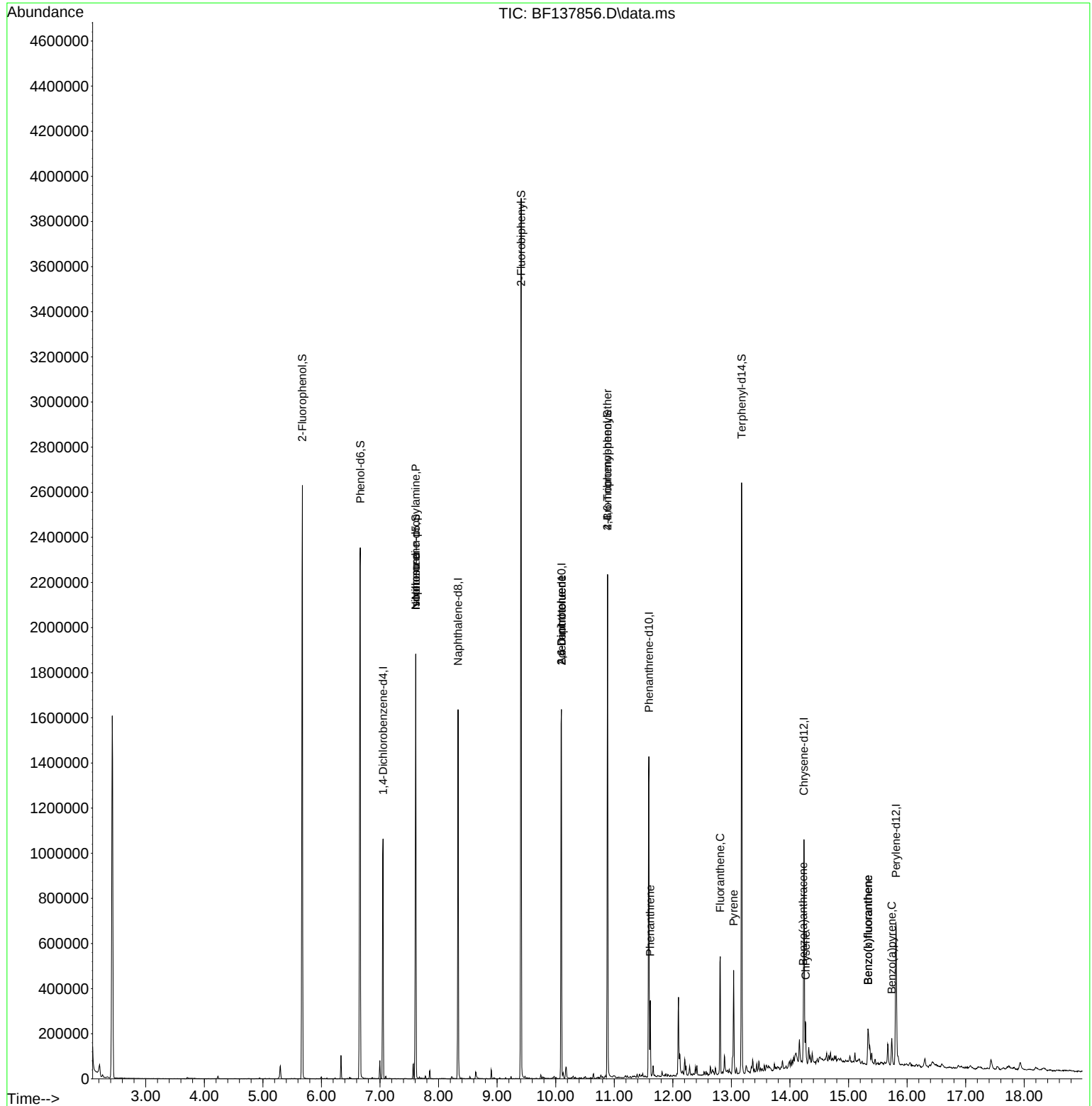
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.051	152	163761	20.000	ng	0.00
21) Naphthalene-d8	8.333	136	643135	20.000	ng	-0.01
39) Acenaphthene-d10	10.098	164	358695	20.000	ng	-0.01
64) Phenanthrene-d10	11.592	188	536753	20.000	ng	# 0.00
76) Chrysene-d12	14.239	240	297260	20.000	ng	-0.01
86) Perylene-d12	15.809	264	312927	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	740552	75.714	ng	0.00
7) Phenol-d6	6.663	99	939858	75.757	ng	-0.01
23) Nitrobenzene-d5	7.610	82	574823	51.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.886	330	256581	70.059	ng	-0.01
45) 2-Fluorobiphenyl	9.410	172	1137910	51.467	ng	-0.01
79) Terphenyl-d14	13.174	244	890693	50.215	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.610	70	75324	10.160	ng	# 75
25) Isophorone	7.610	82	574918	28.805	ng	# 64
51) 2,6-Dinitrotoluene	10.098	165	45824	8.855	ng	# 27
57) 2,4-Dinitrotoluene	10.098	165	45824	6.778	ng	# 27
67) 4-Bromophenyl-phenylether	10.886	248	17365	3.023	ng	# 1
71) Phenanthrene	11.616	178	122869	4.696	ng	98
75) Fluoranthene	12.810	202	205468	7.185	ng	97
78) Pyrene	13.039	202	171062	7.258	ng	98
81) Benzo(a)anthracene	14.227	228	70700	3.719	ng	99
83) Chrysene	14.268	228	75309	4.230	ng	97
88) Benzo(b)fluoranthene	15.333	252	124646	6.402	ng	# 95
89) Benzo(k)fluoranthene	15.333	252	124646	6.624	ng	96
90) Benzo(a)pyrene	15.739	252	59892	3.771	ng	99

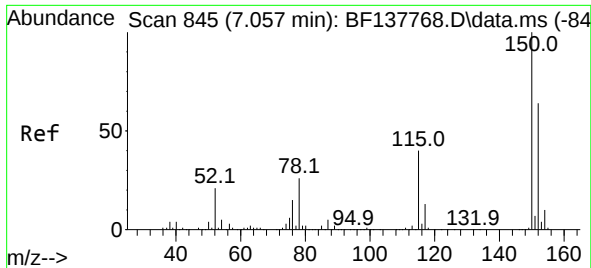
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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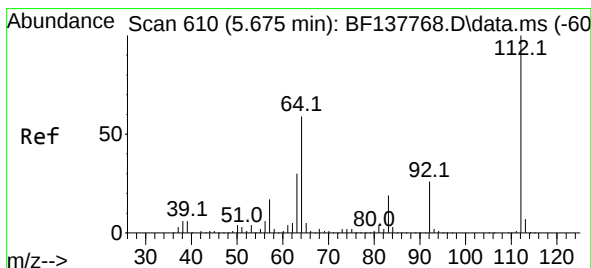
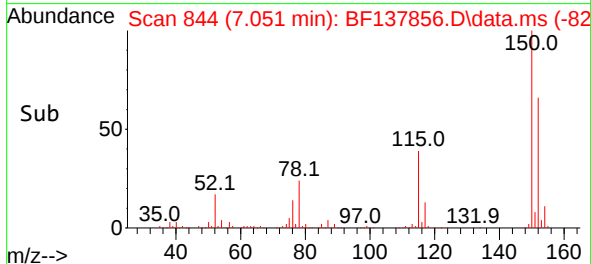
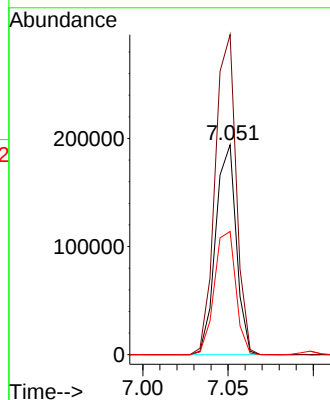
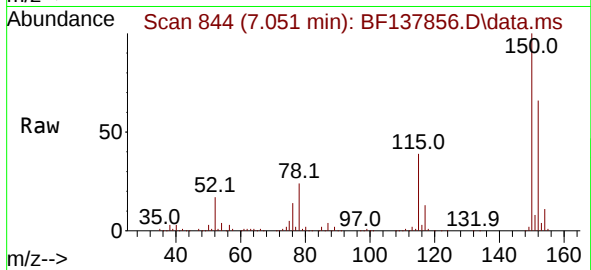




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

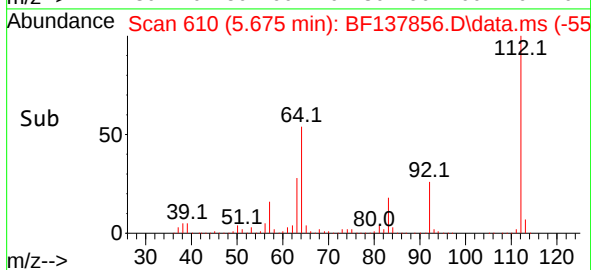
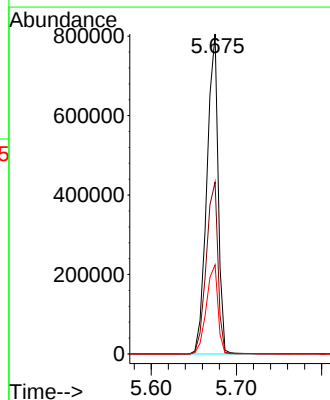
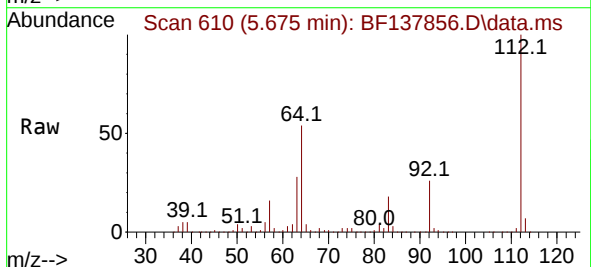
Instrument :
BNA_F
ClientSampleId :
ETGI-285

Tgt Ion:152 Resp: 163761
Ion Ratio Lower Upper
152 100
150 152.4 124.1 186.1
115 58.7 49.1 73.7



#5
2-Fluorophenol
Concen: 75.714 ng
RT: 5.675 min Scan# 610
Delta R.T. -0.000 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion:112 Resp: 740552
Ion Ratio Lower Upper
112 100
64 53.7 47.3 70.9
63 27.9 23.7 35.5

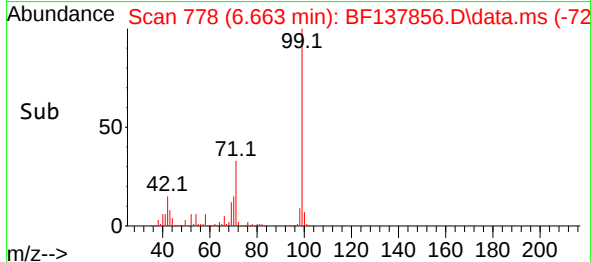
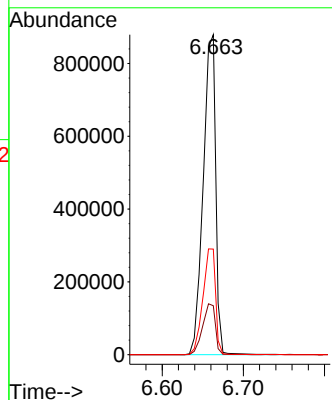
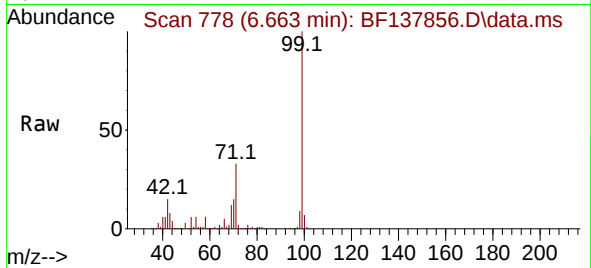




#7
Phenol-d6
Concen: 75.757 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

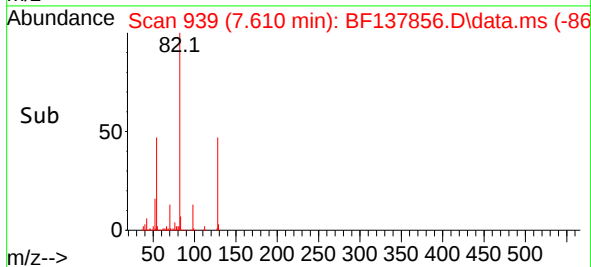
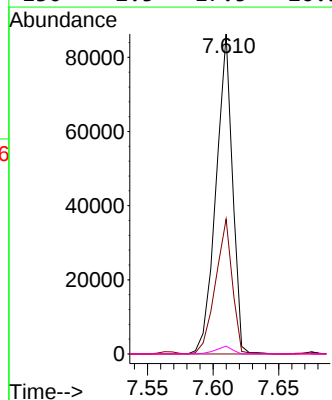
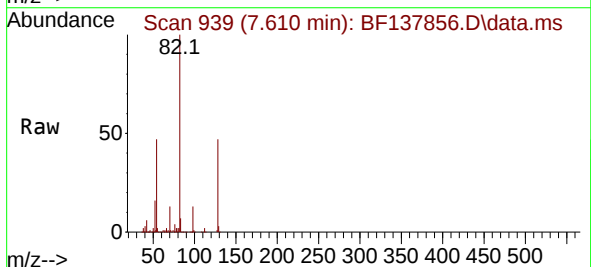
Instrument :
BNA_F
ClientSampleId :
ETGI-285

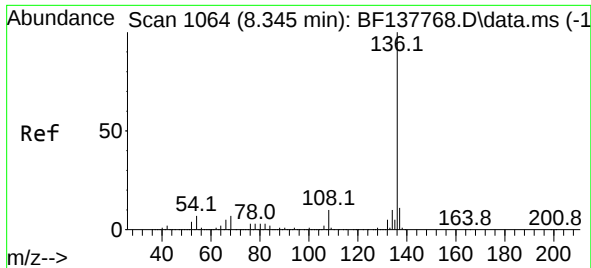
Tgt Ion: 99 Resp: 939858
Ion Ratio Lower Upper
99 100
42 15.3 13.2 19.8
71 33.0 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.160 ng
RT: 7.610 min Scan# 939
Delta R.T. 0.147 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion: 70 Resp: 75324
Ion Ratio Lower Upper
70 100
42 42.2 44.6 66.8#
101 0.0 7.8 11.6#
130 2.5 17.5 26.3#



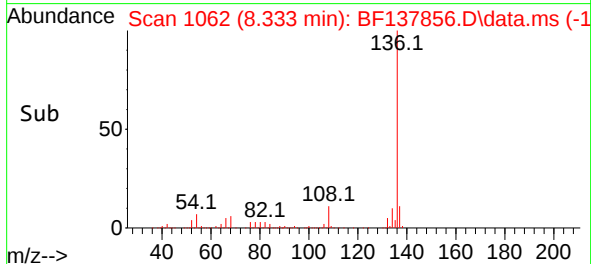
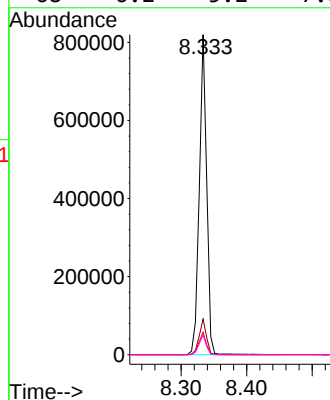
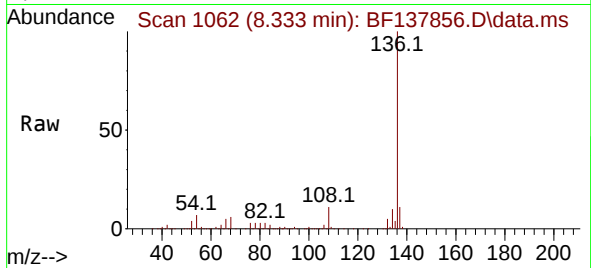


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.333 min Scan# 1062
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Instrument :
BNA_F
ClientSampleId :
ETGI-285

Tgt Ion:136 Resp: 643135

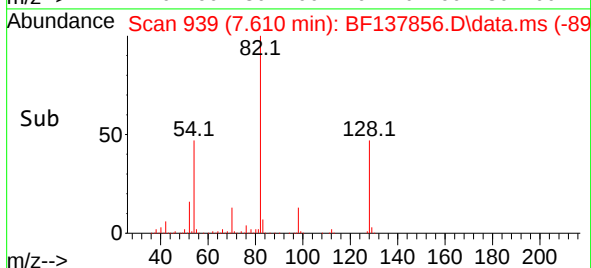
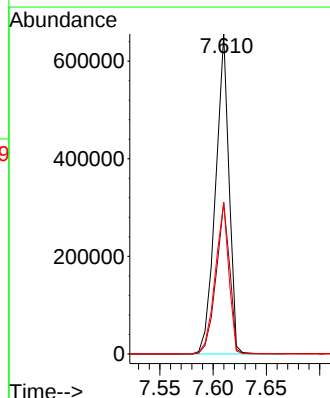
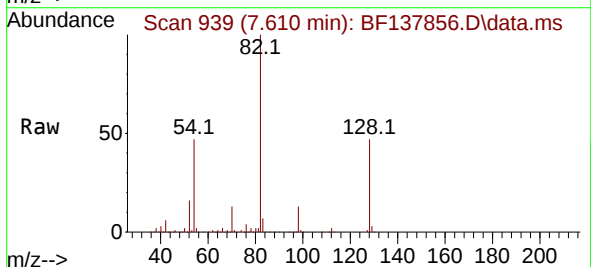
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	5.8	8.8
68	6.2	5.2	7.8

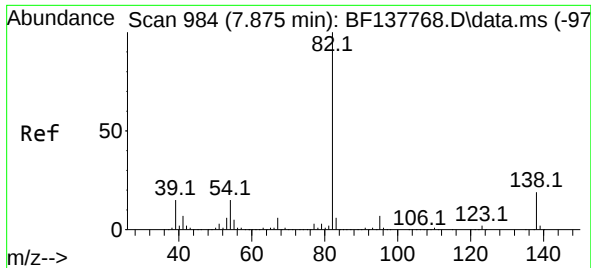


#23
Nitrobenzene-d5
Concen: 51.927 ng
RT: 7.610 min Scan# 939
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion: 82 Resp: 574823

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.5	56.3
54	47.5	39.8	59.6

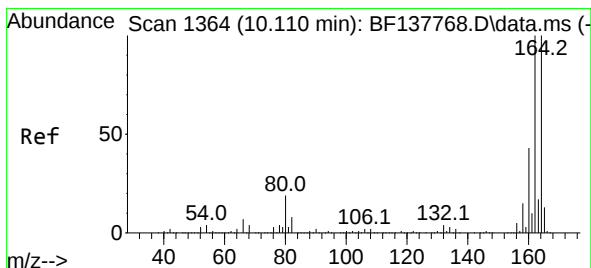
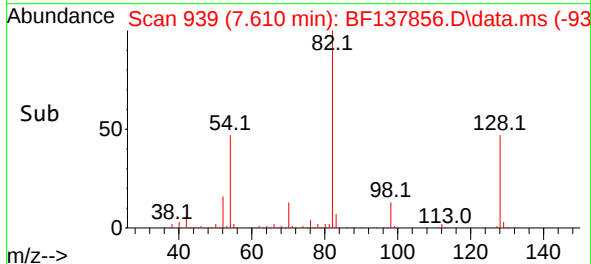
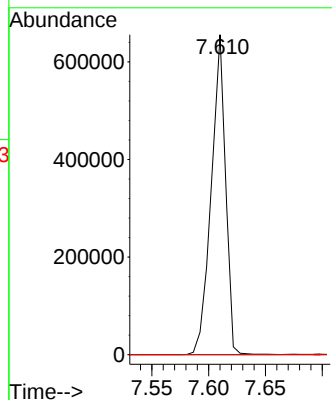
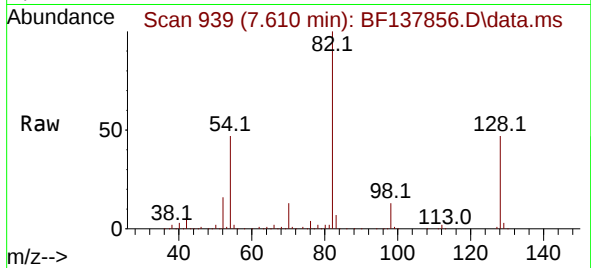




#25
Isophorone
Concen: 28.805 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

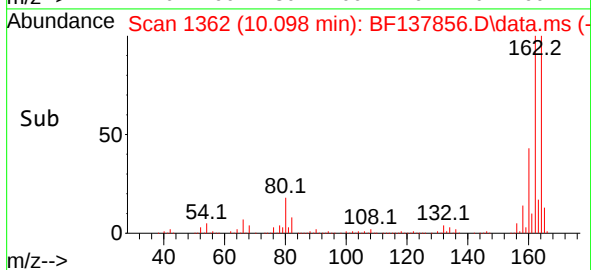
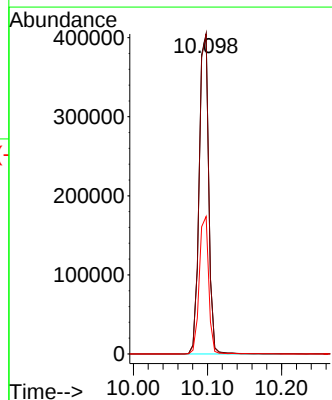
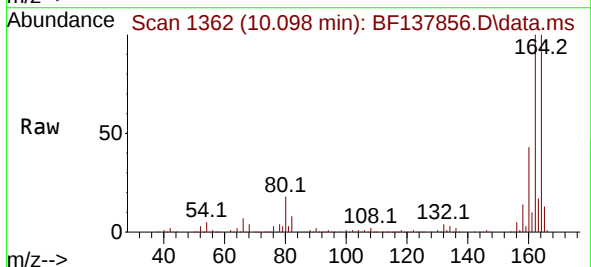
Instrument :
BNA_F
ClientSampleId :
ETGI-285

Tgt Ion: 82 Resp: 574918
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion:164 Resp: 358695
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.6
160 42.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 70.059 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285

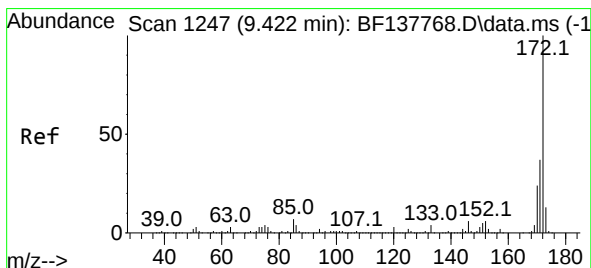
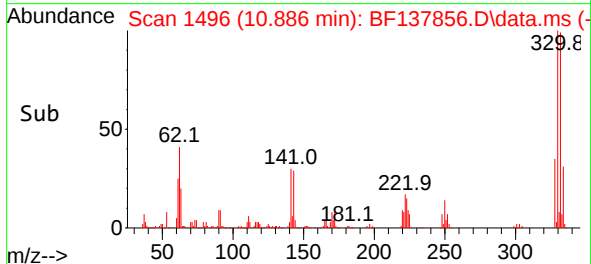
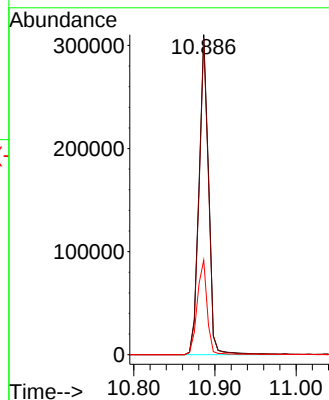
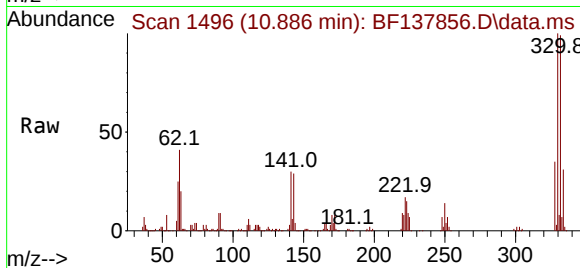
Tgt Ion:330 Resp: 256581

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 30.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 51.467 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

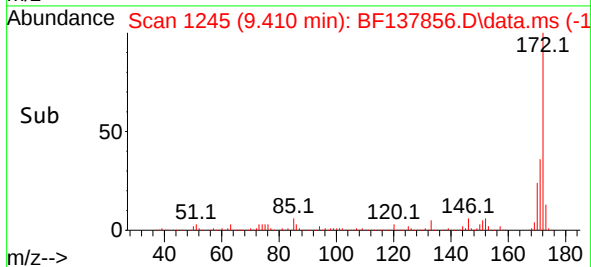
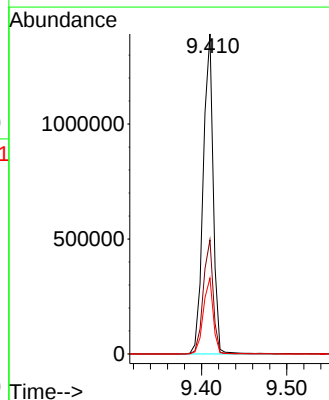
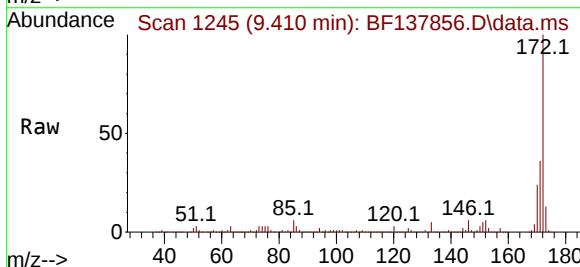
Tgt Ion:172 Resp: 1137910

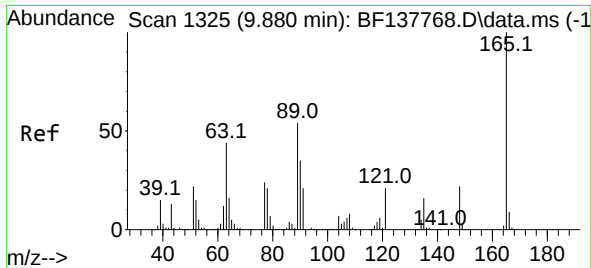
Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

170 23.7 19.4 29.2

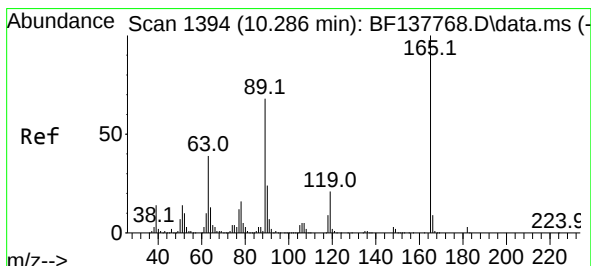
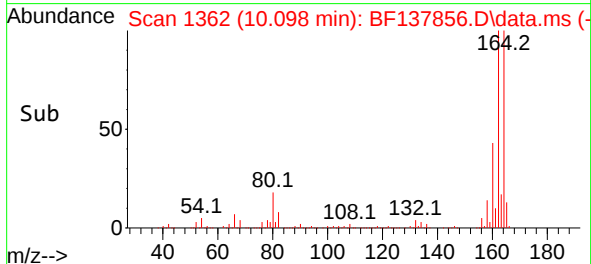
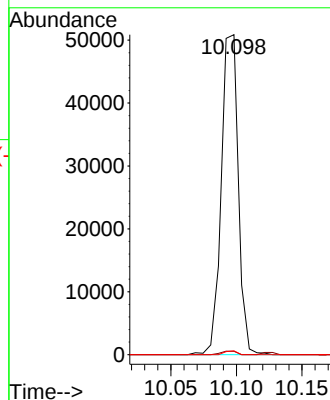
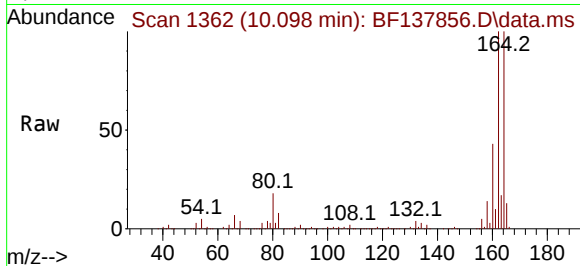




#51
2,6-Dinitrotoluene
Concen: 8.855 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.218 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

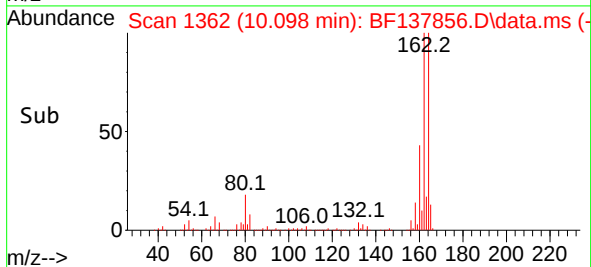
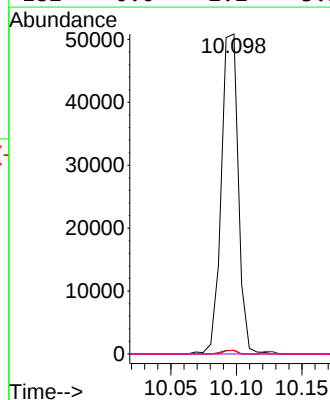
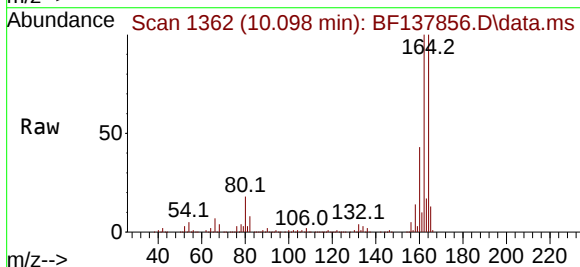
Instrument :
BNA_F
ClientSampleId :
ETGI-285

Tgt Ion:165 Resp: 45824
Ion Ratio Lower Upper
165 100
63 1.1 41.9 62.9#
89 1.2 43.2 64.8#



#57
2,4-Dinitrotoluene
Concen: 6.778 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.188 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion:165 Resp: 45824
Ion Ratio Lower Upper
165 100
63 1.1 31.3 46.9#
89 1.2 54.2 81.4#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285

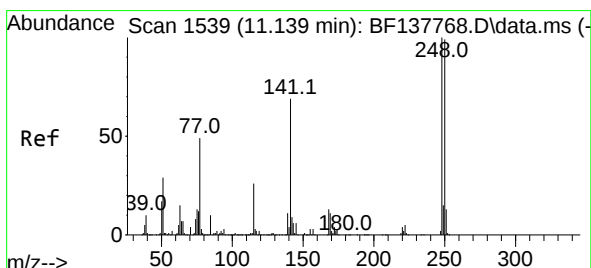
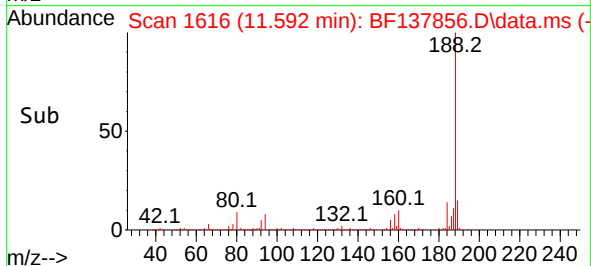
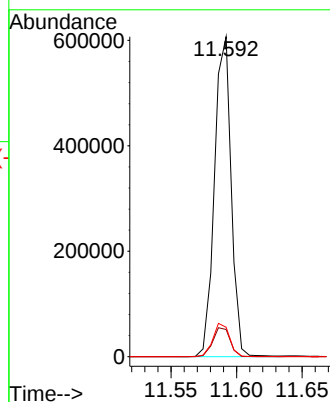
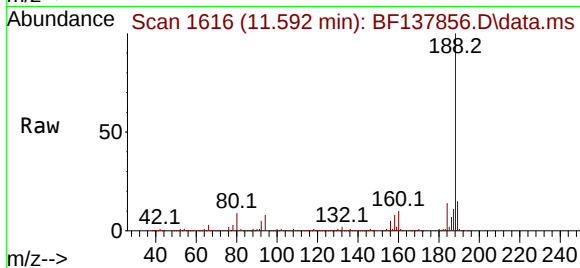
Tgt Ion:188 Resp: 536753

Ion Ratio Lower Upper

188 100

94 8.5 8.8 13.2#

80 9.2 9.6 14.4#



#67

4-Bromophenyl-phenylether

Concen: 3.023 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.253 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

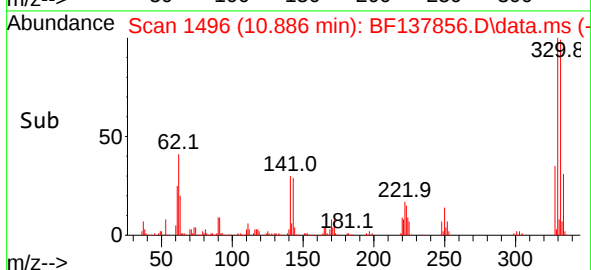
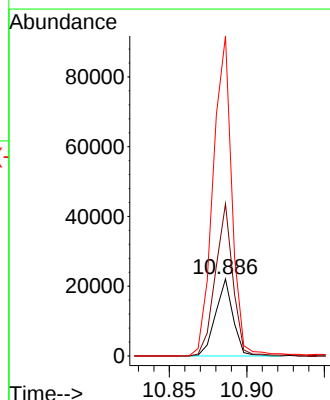
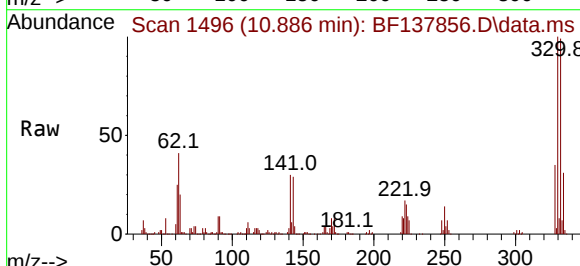
Tgt Ion:248 Resp: 17365

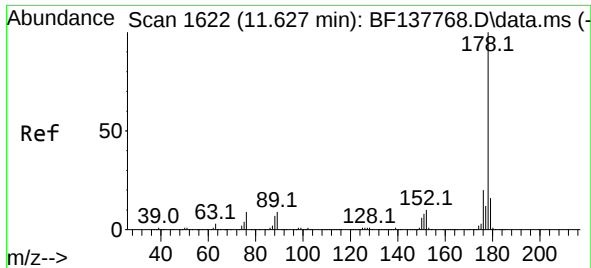
Ion Ratio Lower Upper

248 100

250 197.8 79.1 118.7#

141 416.0 55.4 83.2#

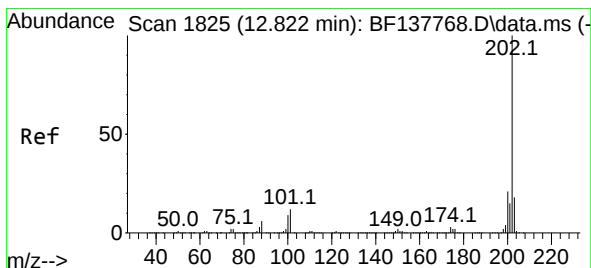
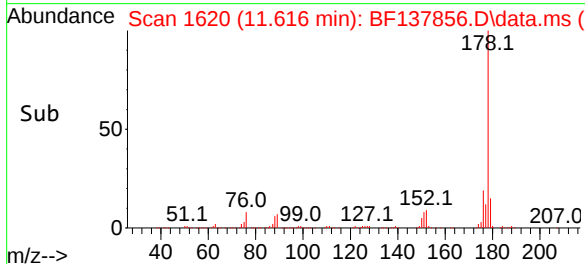
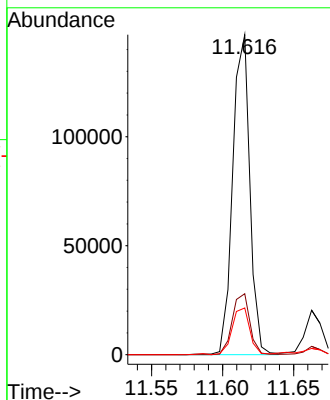
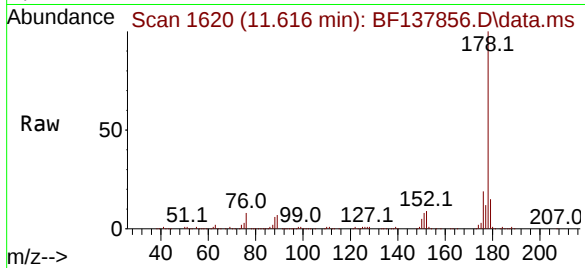




#71
Phenanthrene
Concen: 4.696 ng
RT: 11.616 min Scan# 1620
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

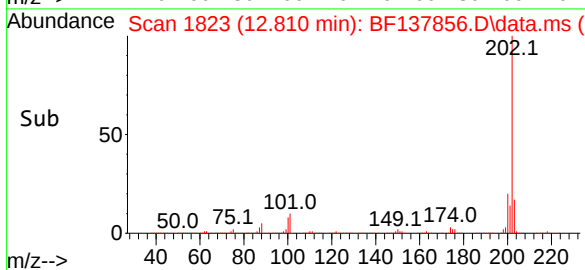
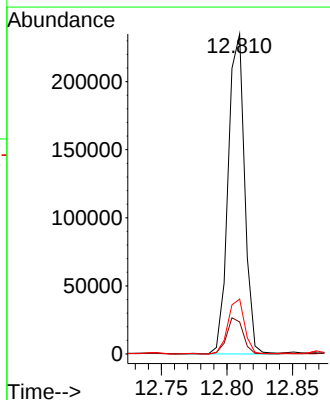
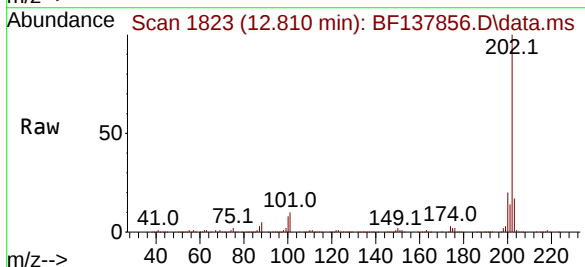
Instrument :
BNA_F
ClientSampleId :
ETGI-285

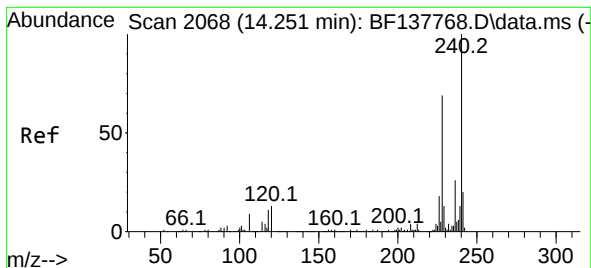
Tgt Ion:178 Resp: 122869
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.6 12.5 18.7



#75
Fluoranthene
Concen: 7.185 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion:202 Resp: 205468
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.8
203 17.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.239 min Scan# 2068

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285

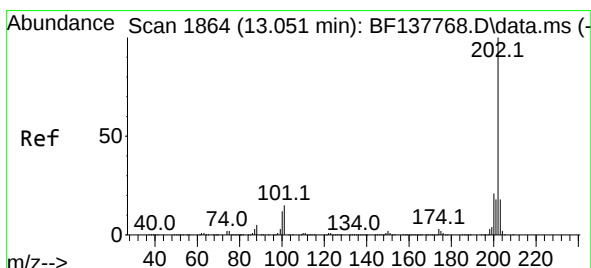
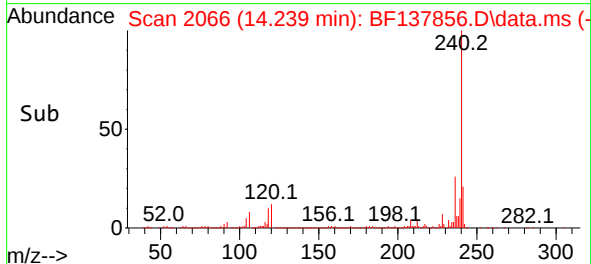
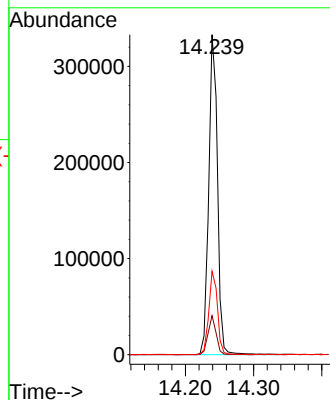
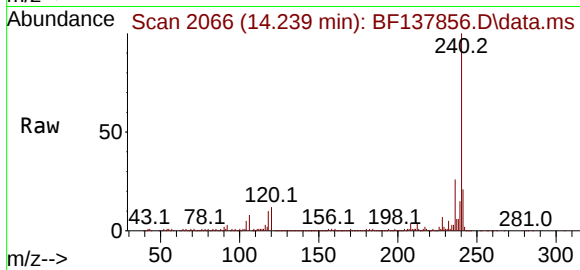
Tgt Ion:240 Resp: 297260

Ion Ratio Lower Upper

240 100

120 12.2 10.4 15.6

236 26.0 20.4 30.6



#78

Pyrene

Concen: 7.258 ng

RT: 13.039 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

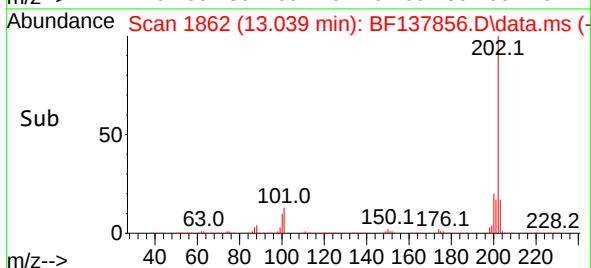
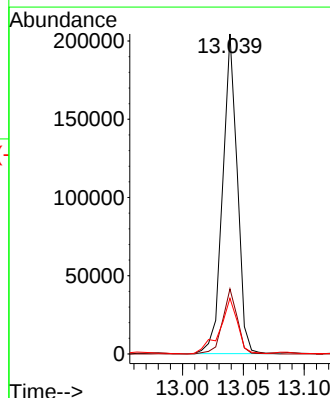
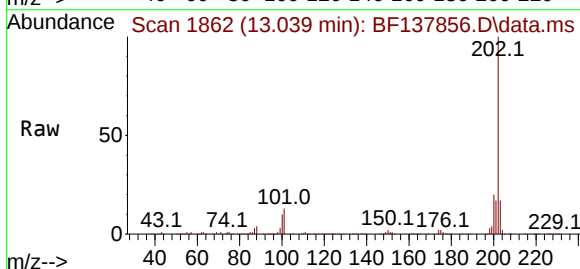
Tgt Ion:202 Resp: 171062

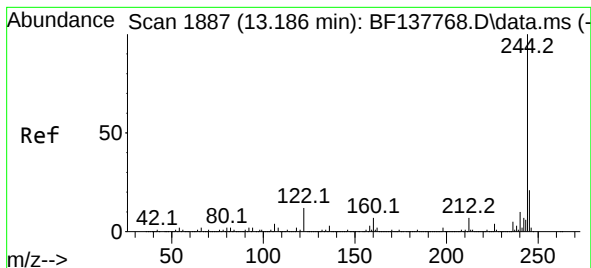
Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 50.215 ng

RT: 13.174 min Scan# 1885

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285

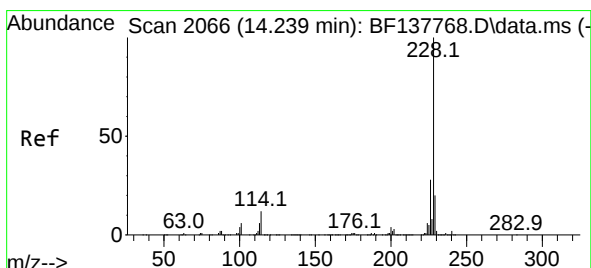
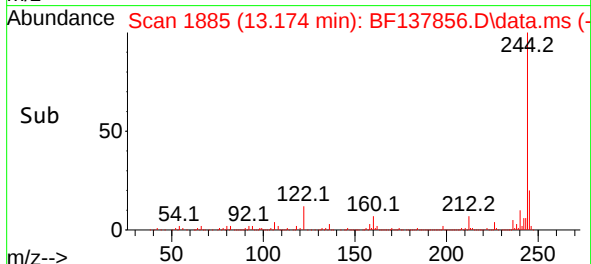
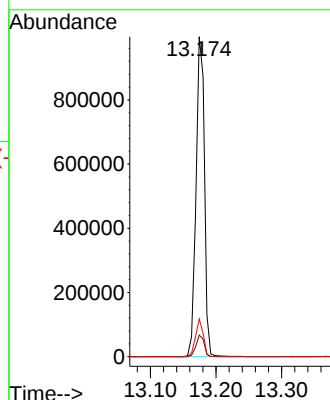
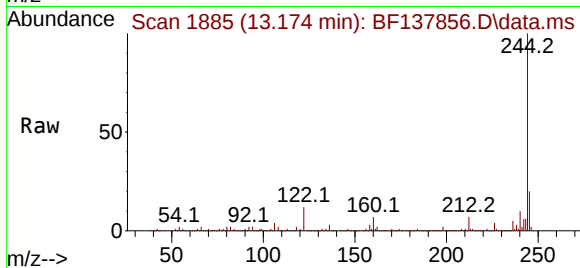
Tgt Ion:244 Resp: 890693

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.8 9.4 14.2



#81

Benzo(a)anthracene

Concen: 3.719 ng

RT: 14.227 min Scan# 2064

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

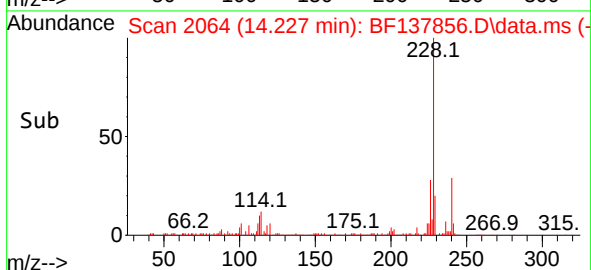
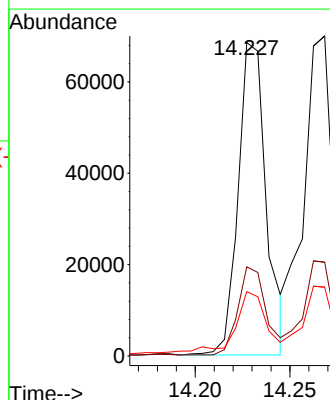
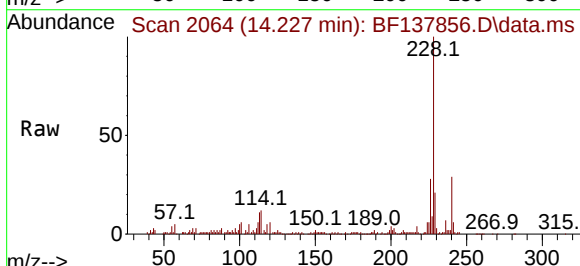
Tgt Ion:228 Resp: 70700

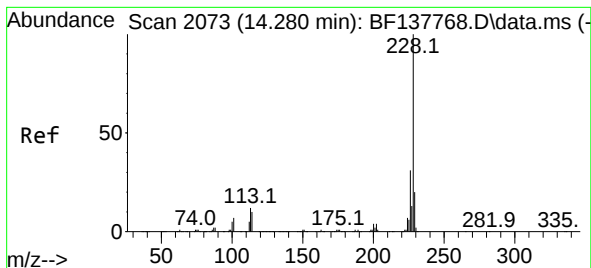
Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.2

229 20.5 16.3 24.5





#83

Chrysene

Concen: 4.230 ng

RT: 14.268 min Scan# 2073

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285

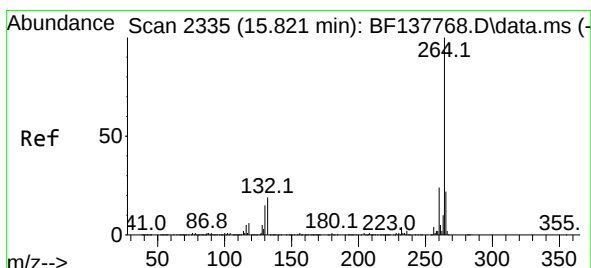
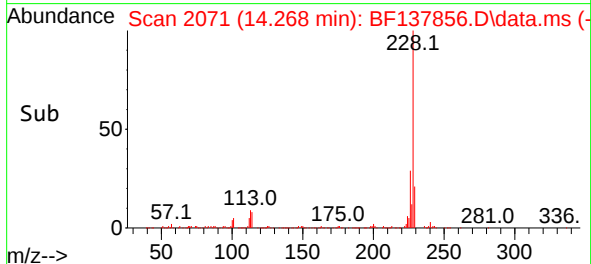
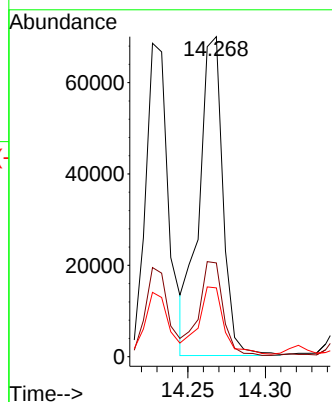
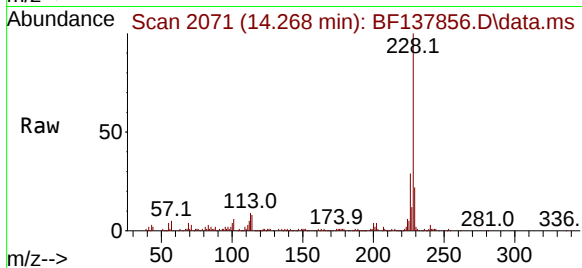
Tgt Ion:228 Resp: 75309

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

229 21.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.809 min Scan# 2333

Delta R.T. -0.012 min

Lab File: BF137856.D

Acq: 08 May 2024 15:45

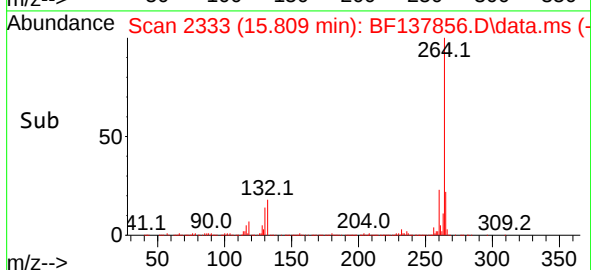
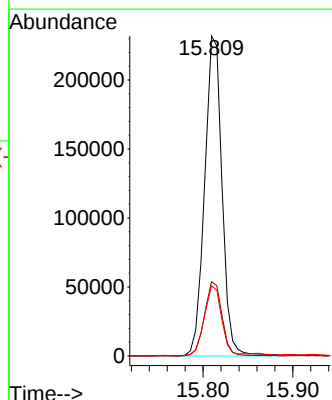
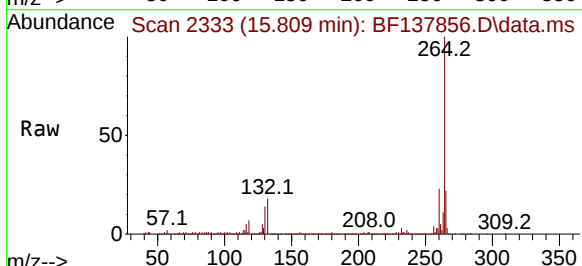
Tgt Ion:264 Resp: 312927

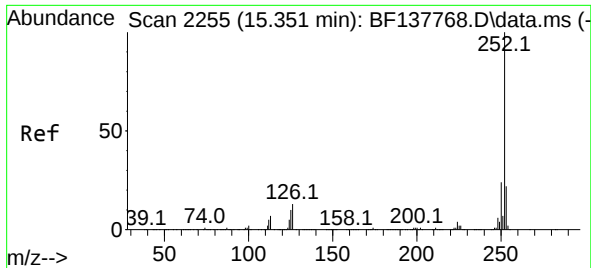
Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.9 17.4 26.0

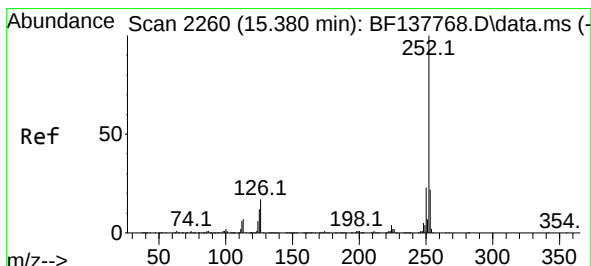
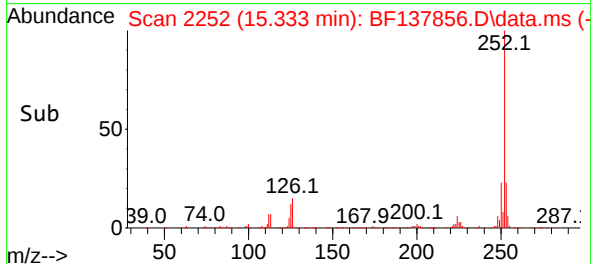
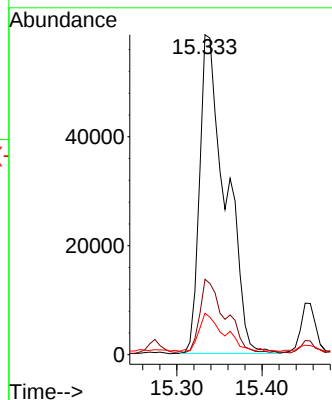
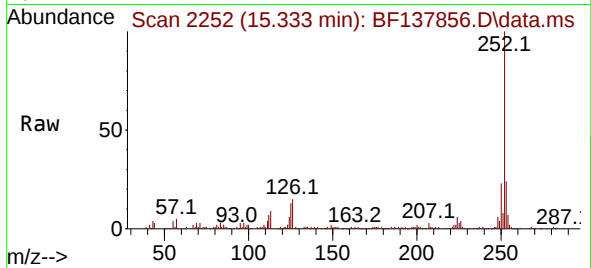




#88
Benzo(b)fluoranthene
Concen: 6.402 ng
RT: 15.333 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

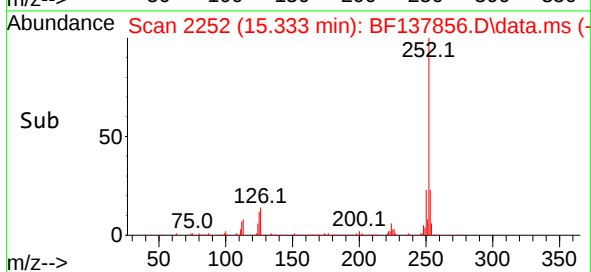
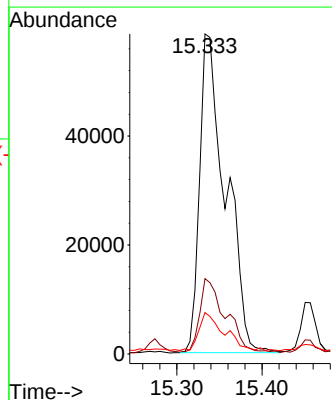
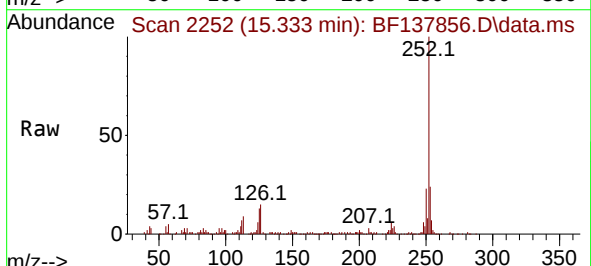
Instrument :
BNA_F
ClientSampleId :
ETGI-285

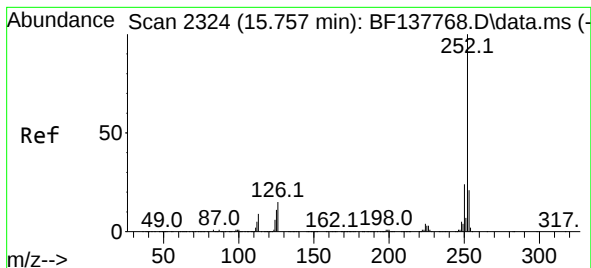
Tgt Ion:252 Resp: 124646
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.9 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 6.624 ng
RT: 15.333 min Scan# 2252
Delta R.T. -0.047 min
Lab File: BF137856.D
Acq: 08 May 2024 15:45

Tgt Ion:252 Resp: 124646
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.9 9.0 13.4





#90

Benzo(a)pyrene

Concen: 3.771 ng

RT: 15.739 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137856.D

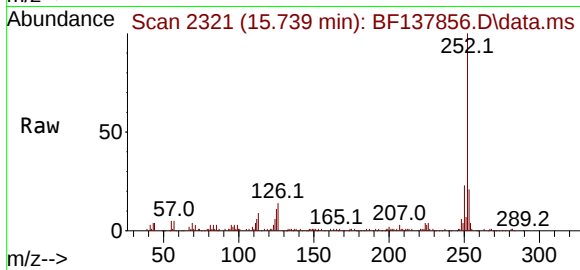
Acq: 08 May 2024 15:45

Instrument :

BNA_F

ClientSampleId :

ETGI-285



Tgt Ion:252 Resp: 59892

Ion Ratio Lower Upper

252 100

253 20.7 17.1 25.7

125 10.7 9.0 13.6

