

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133529.D
 Acq On : 30 May 2023 18:53
 Operator : CG\JU
 Sample : 02965-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-338

Quant Time: May 31 05:21:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

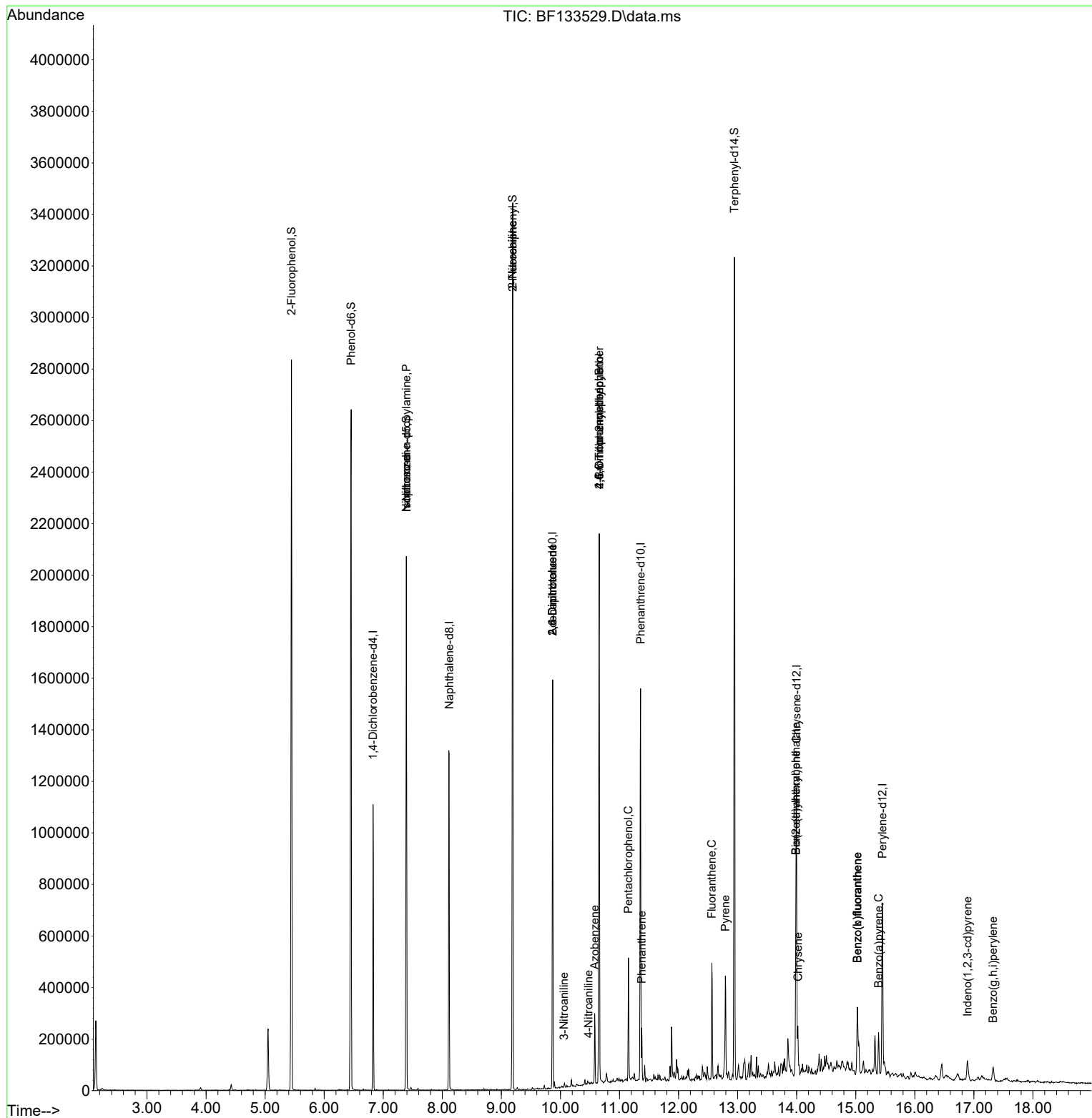
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	151751	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	575049	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	280716	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	541276	20.000	ng	0.00
76) Chrysene-d12	13.998	240	333933	20.000	ng	0.00
86) Perylene-d12	15.451	264	299820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	777942	85.533	ng	0.00
7) Phenol-d6	6.457	99	936298	83.625	ng	0.00
23) Nitrobenzene-d5	7.392	82	586757	68.128	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	242812	86.774	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1018977	56.026	ng	0.00
79) Terphenyl-d14	12.945	244	1119338	59.598	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	73	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	79405	10.961	ng	# 80
25) Isophorone	7.392	82	584959	29.143	ng	# 65
48) 2-Nitroaniline	9.186	65	1854	4.311	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	36333	12.625	ng	# 18
53) 3-Nitroaniline	10.063	138	56	3.191	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	36333	11.778	ng	# 15
62) 4-Nitroaniline	10.475	138	57	2.996	ng	# 1
63) Azobenzene	10.580	77	44055	2.149	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	529	8.907	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14765	2.569	ng	# 1
70) Pentachlorophenol	11.151	266	44894	12.490	ng	99
71) Phenanthrene	11.374	178	69200	2.524	ng	98
75) Fluoranthene	12.563	202	172033	5.681	ng	98
78) Pyrene	12.792	202	165688	5.831	ng	98
81) Benzo(a)anthracene	13.986	228	79881	3.591	ng	95
83) Chrysene	14.021	228	91039	4.054	ng	97
84) Bis(2-ethylhexyl)phtha...	13.986	149	38369	2.730	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	48609	2.545	ng	98
88) Benzo(b)fluoranthene	15.027	252	180049	9.222	ng	99
89) Benzo(k)fluoranthene	15.027	252	180049	9.458	ng	99
90) Benzo(a)pyrene	15.386	252	74793	4.210	ng	99
92) Benzo(g,h,i)perylene	17.327	276	41567	2.662	ng	# 91

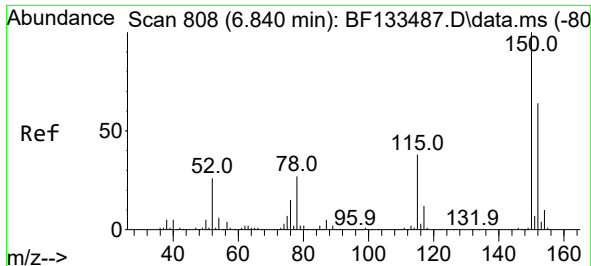
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
Data File : BF133529.D
Acq On : 30 May 2023 18:53
Operator : CG\JU
Sample : 02965-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-338

Quant Time: May 31 05:21:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 30 12:58:40 2023
Response via : Initial Calibration

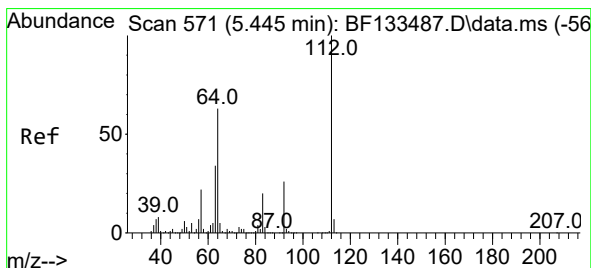
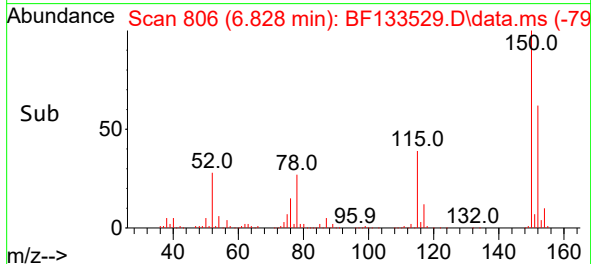
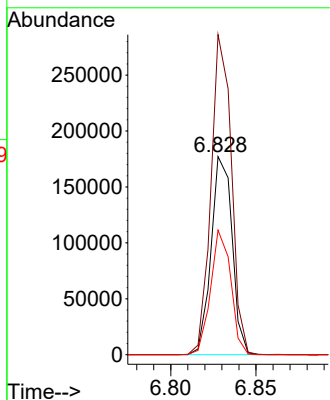
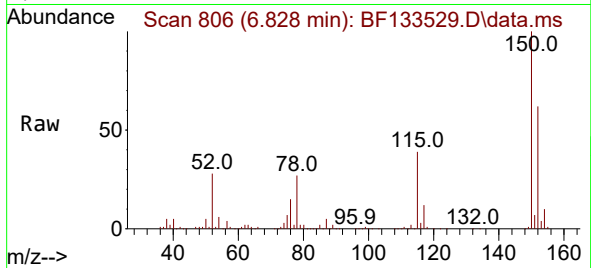




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

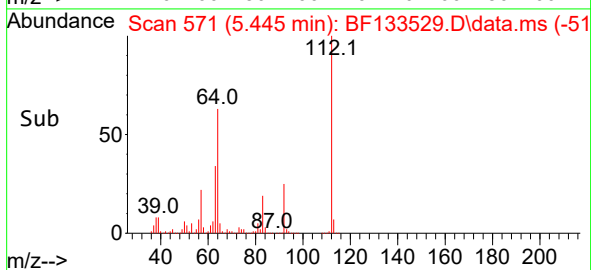
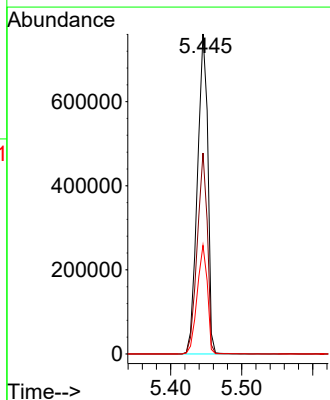
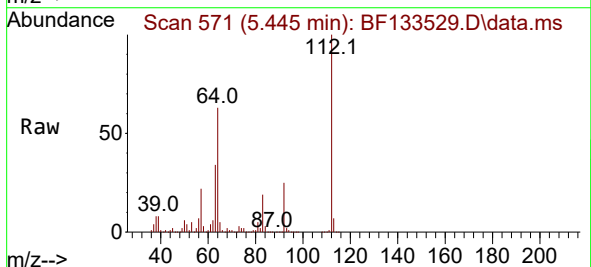
Instrument :
BNA_F
ClientSampleId :
ETGI-338

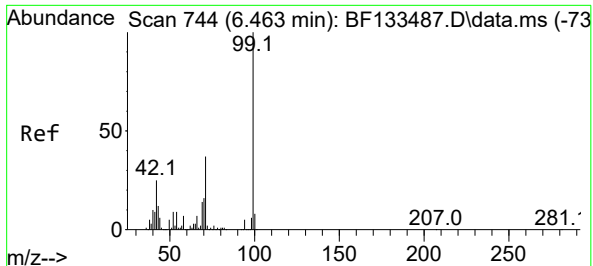
Tgt Ion:152 Resp: 151751
Ion Ratio Lower Upper
152 100
150 161.6 124.9 187.3
115 62.9 48.1 72.1



#5
2-Fluorophenol
Concen: 85.533 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:112 Resp: 777942
Ion Ratio Lower Upper
112 100
64 62.8 50.1 75.1
63 33.9 27.5 41.3

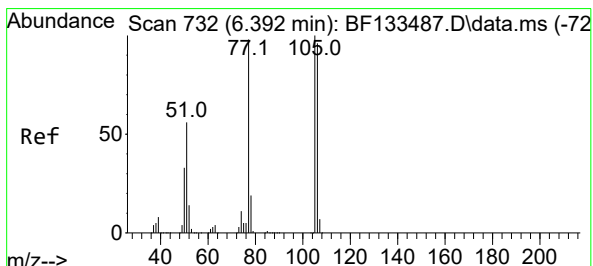
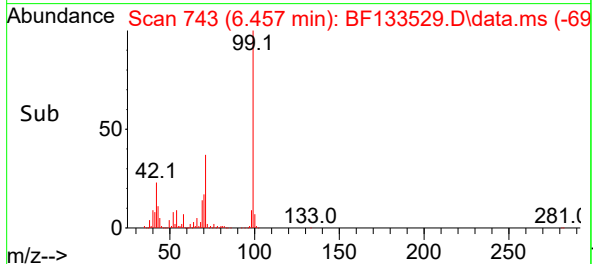
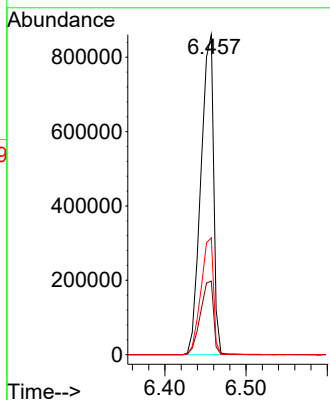
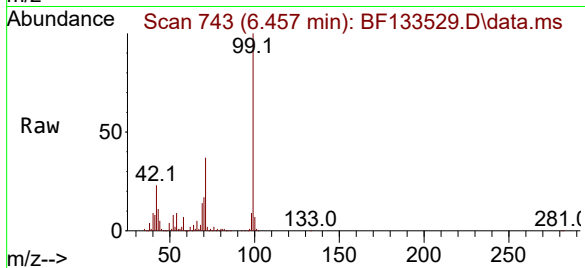




#7
Phenol-d6
Concen: 83.625 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

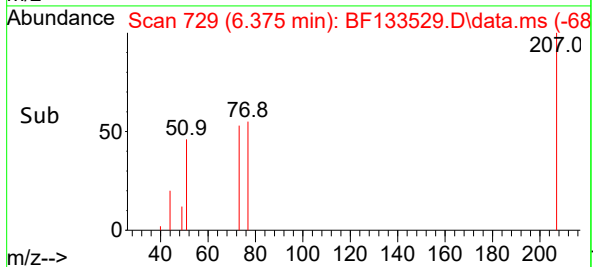
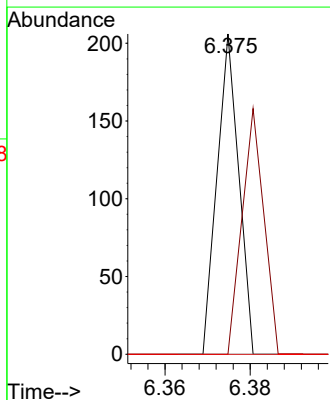
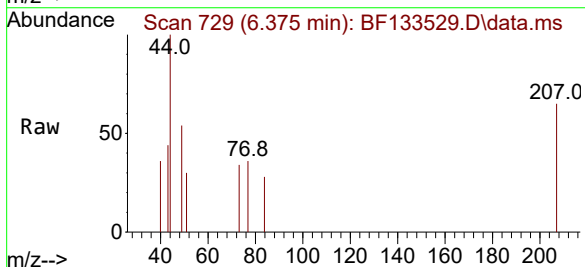
Instrument :
BNA_F
ClientSampleId :
ETGI-338

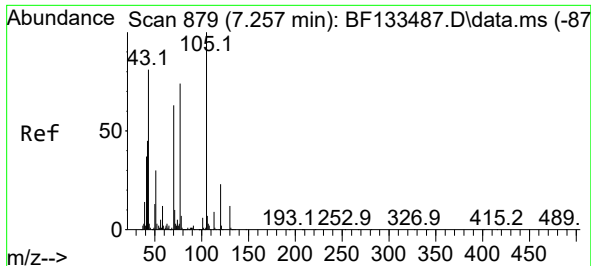
Tgt Ion: 99 Resp: 936298
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 36.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion: 77 Resp: 73
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

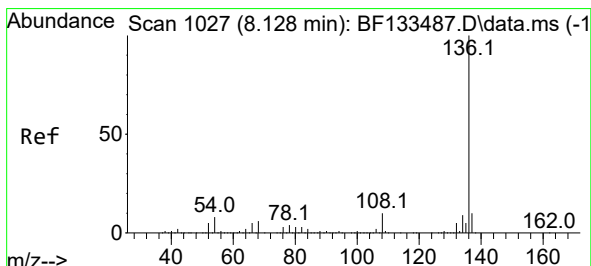
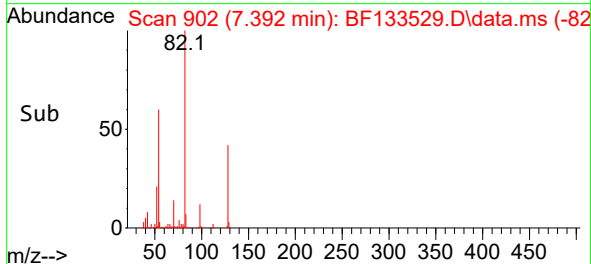
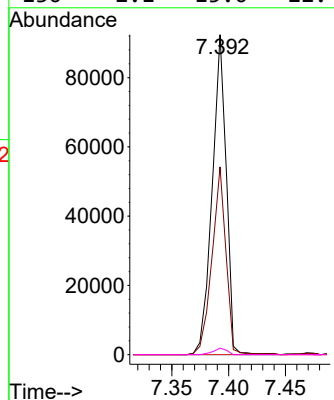
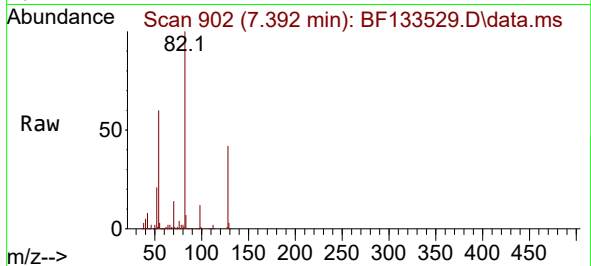




#19
n-Nitroso-di-n-propylamine
Concen: 10.961 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

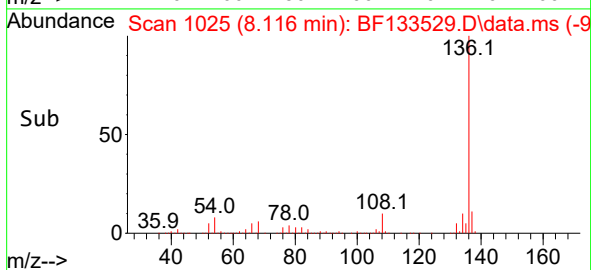
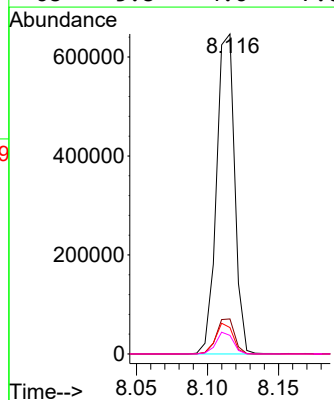
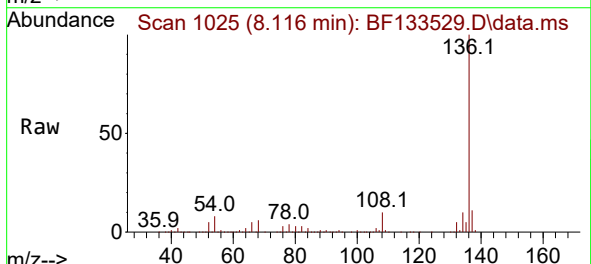
Instrument :
BNA_F
ClientSampleId :
ETGI-338

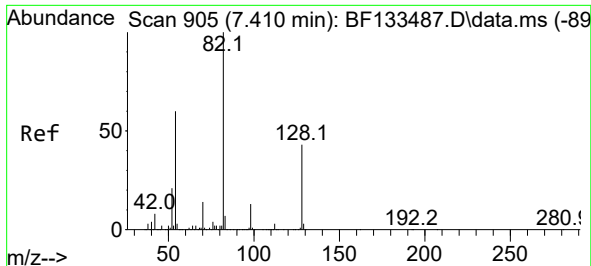
Tgt Ion: 70 Resp: 79405
Ion Ratio Lower Upper
70 100
42 58.7 57.2 85.8
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion: 136 Resp: 575049
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 8.3 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 68.128 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

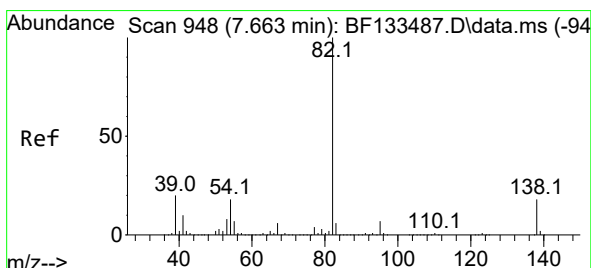
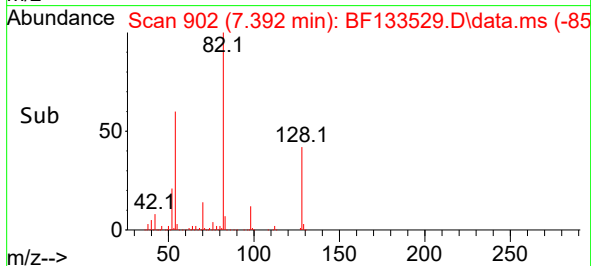
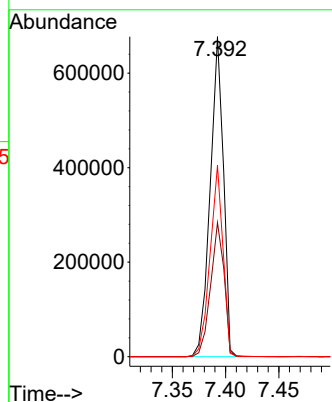
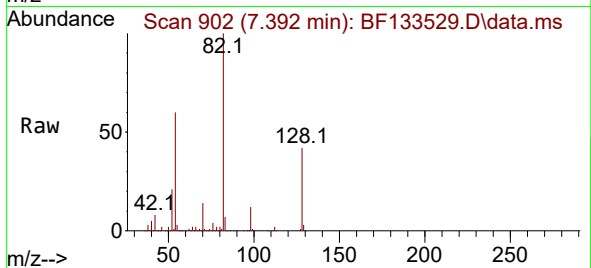
Tgt Ion: 82 Resp: 586757

Ion Ratio Lower Upper

82 100

128 41.9 34.2 51.4

54 59.8 48.2 72.4



#25

Isophorone

Concen: 29.143 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

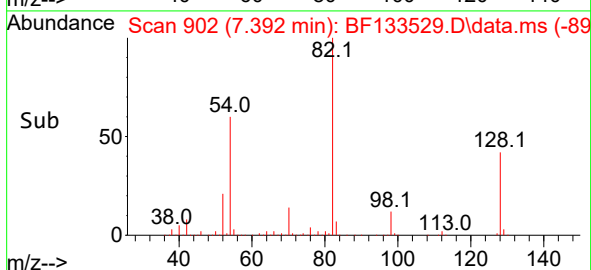
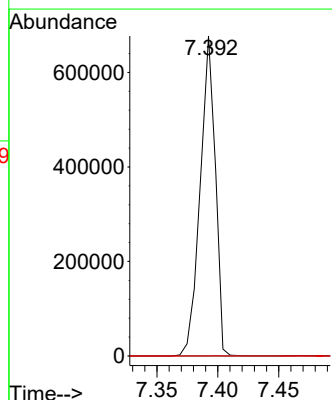
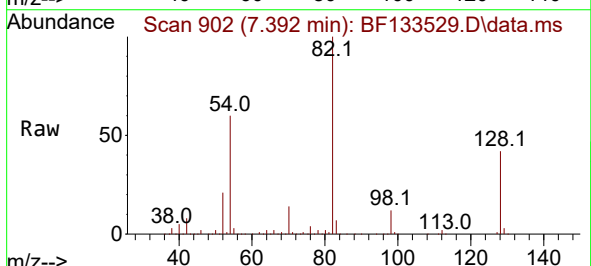
Tgt Ion: 82 Resp: 584959

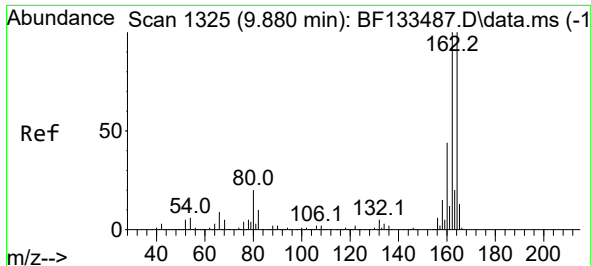
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

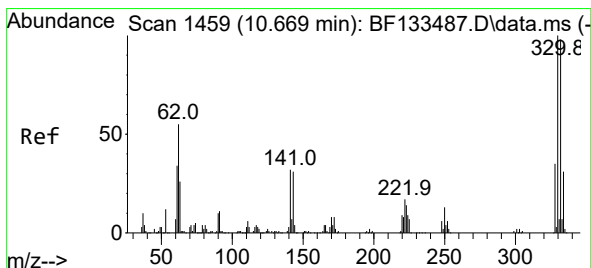
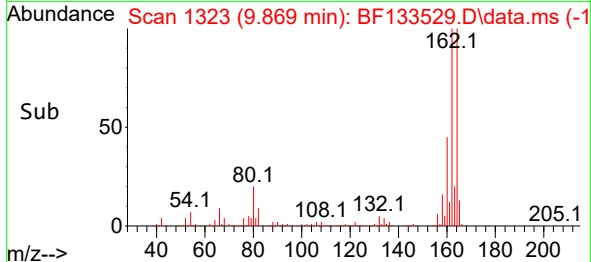
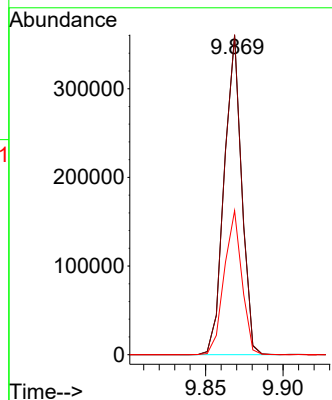
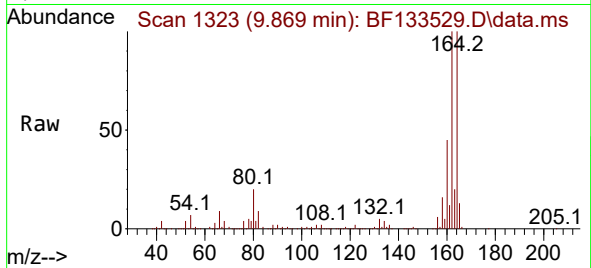




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

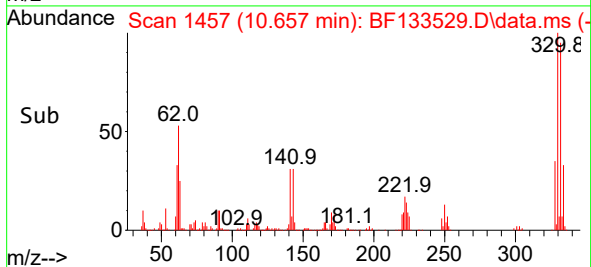
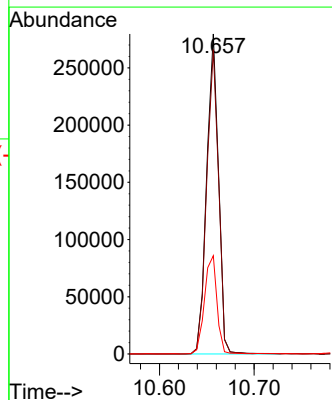
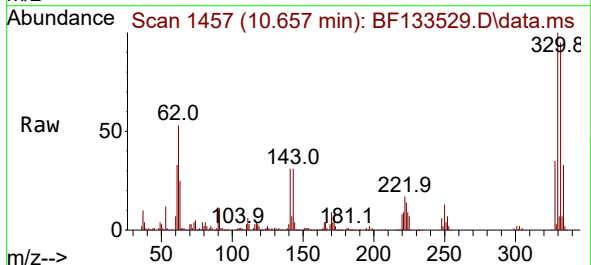
Instrument :
BNA_F
ClientSampleId :
ETGI-338

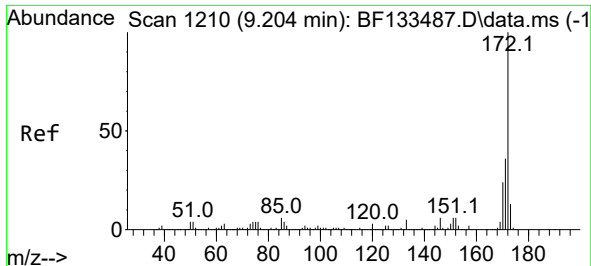
Tgt Ion:164 Resp: 280716
Ion Ratio Lower Upper
164 100
162 100.3 79.7 119.5
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 86.774 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:330 Resp: 242812
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.6
141 32.5 26.6 40.0

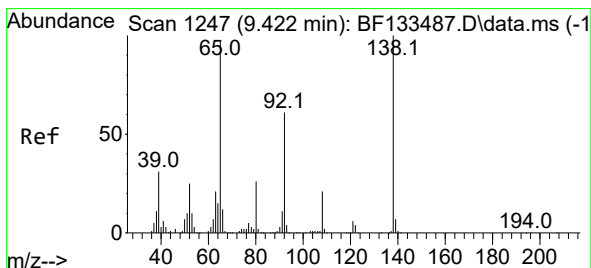
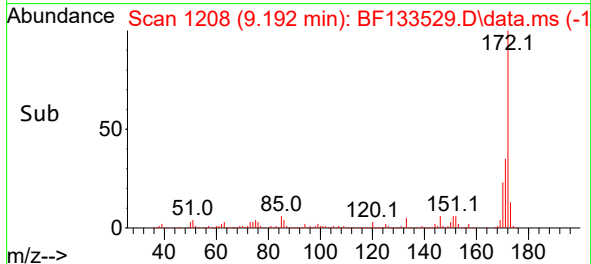
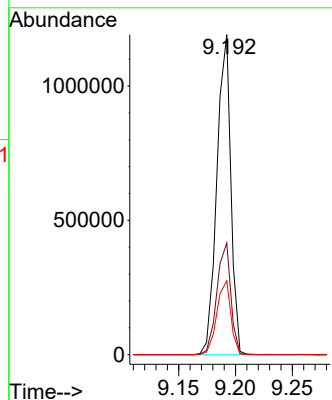
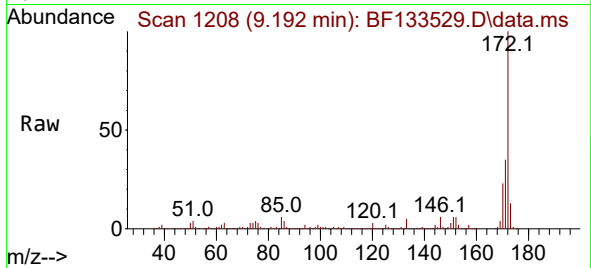




#45
2-Fluorobiphenyl
Concen: 56.026 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

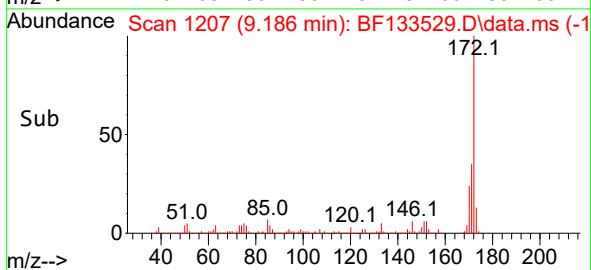
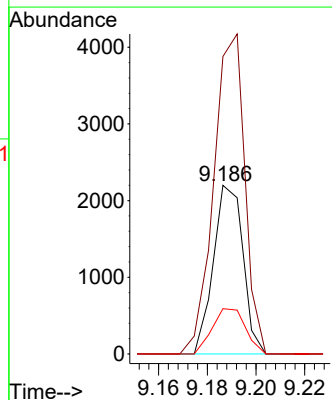
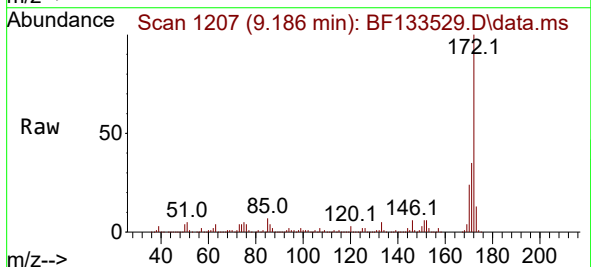
Instrument :
BNA_F
ClientSampleId :
ETGI-338

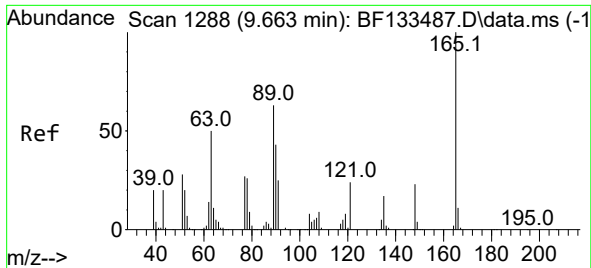
Tgt Ion:172 Resp: 1018977
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.1 19.3 28.9



#48
2-Nitroaniline
Concen: 4.311 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.230 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion: 65 Resp: 1854
Ion Ratio Lower Upper
65 100
92 176.4 50.8 76.2#
138 26.9 82.6 124.0#

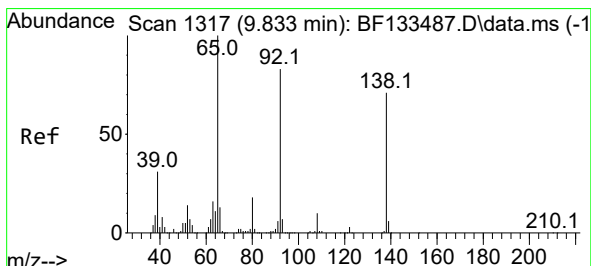
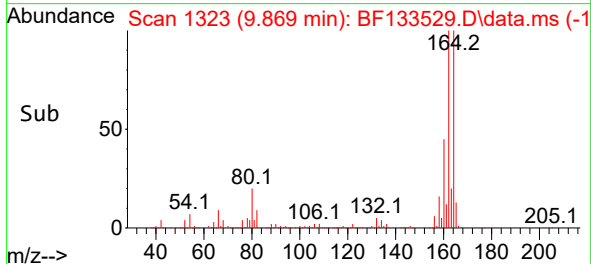
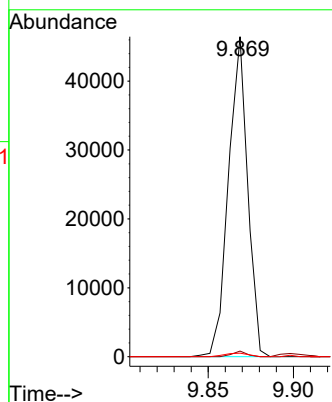
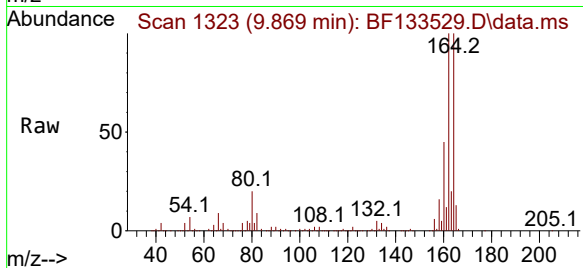




#51
2,6-Dinitrotoluene
Concen: 12.625 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

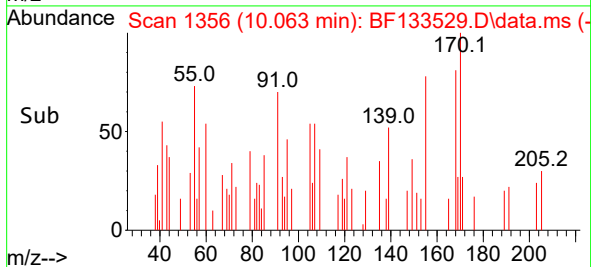
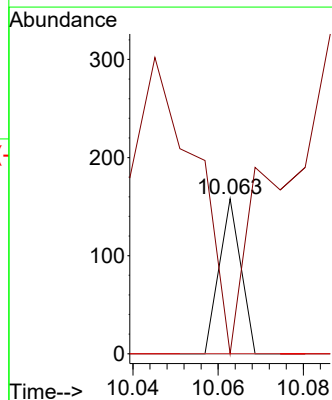
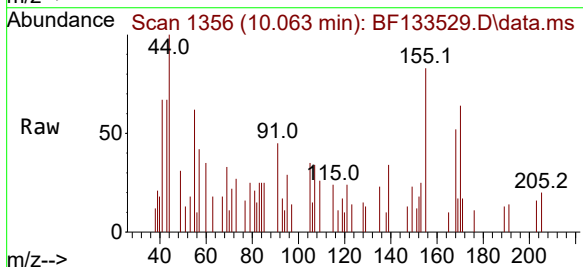
Instrument :
BNA_F
ClientSampleId :
ETGI-338

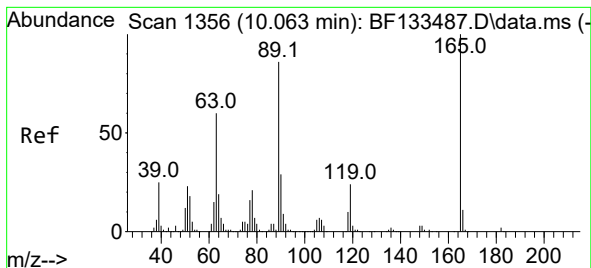
Tgt Ion:165 Resp: 36333
Ion Ratio Lower Upper
165 100
63 1.8 57.0 85.4#
89 1.1 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.191 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.235 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

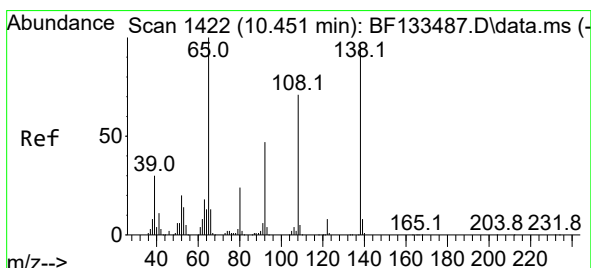
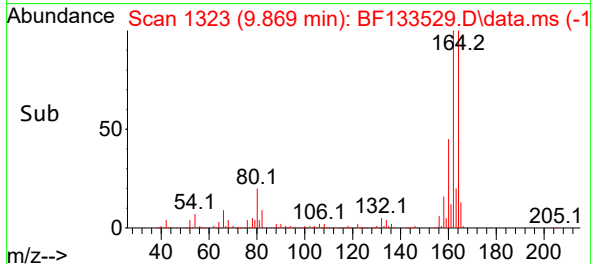
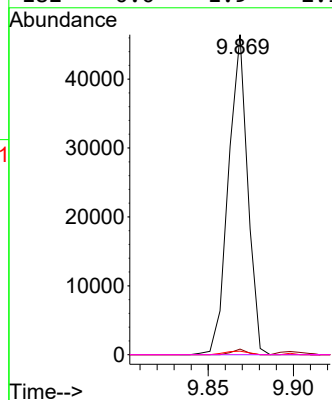
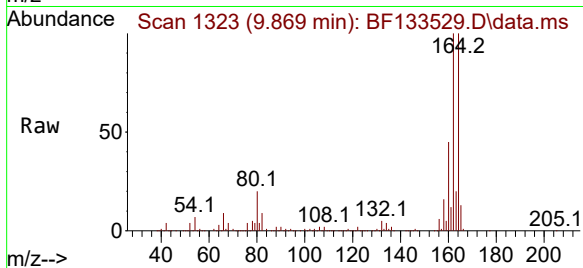




#57
2,4-Dinitrotoluene
Concen: 11.778 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

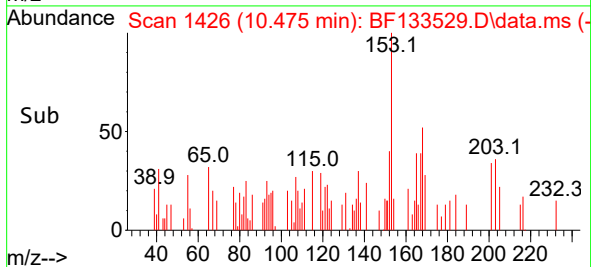
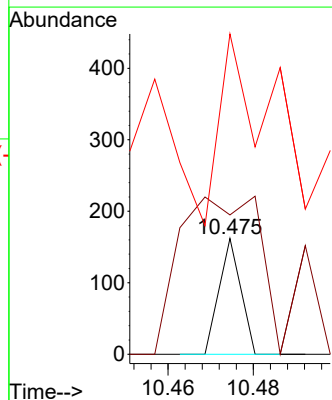
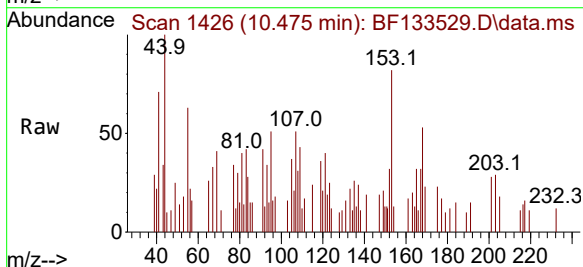
Instrument :
BNA_F
ClientSampleId :
ETGI-338

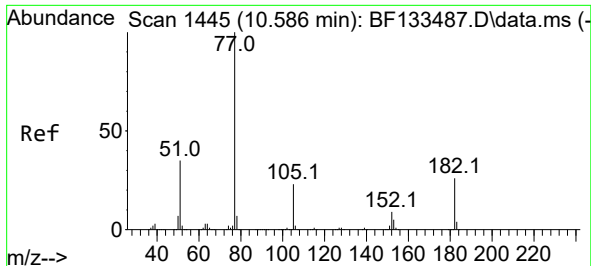
Tgt Ion:165 Resp: 36333
Ion Ratio Lower Upper
165 100
63 1.8 48.1 72.1#
89 1.1 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 2.996 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.035 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
92 120.4 28.4 68.4#
108 276.5 54.2 94.2#

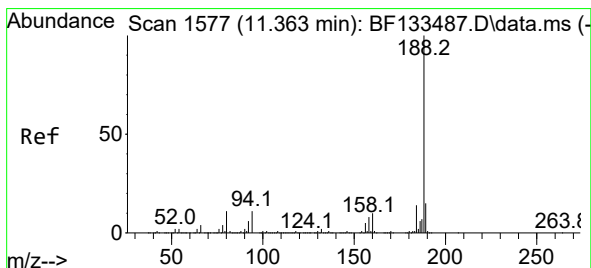
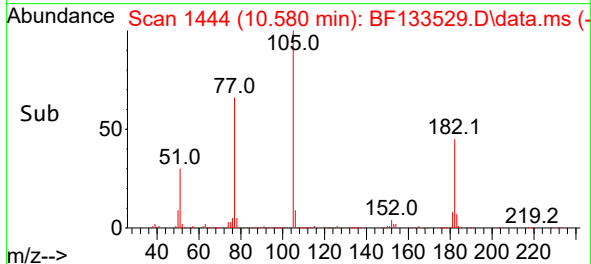
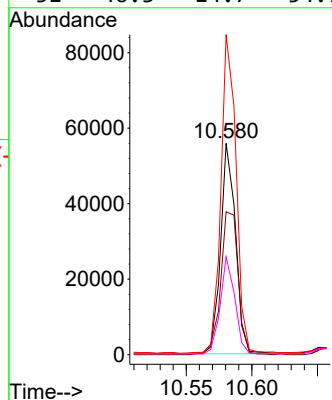
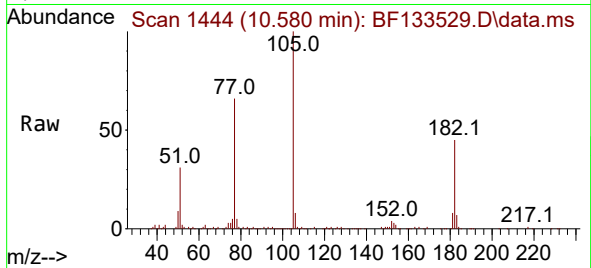




#63
Azobenzene
Concen: 2.149 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

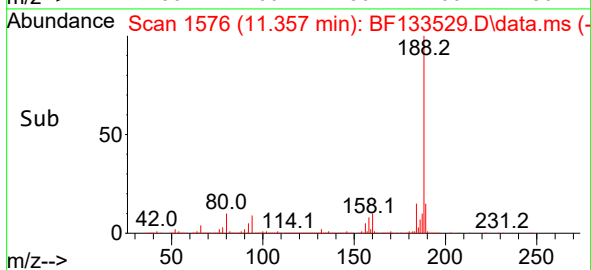
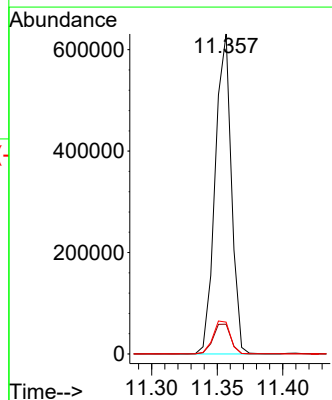
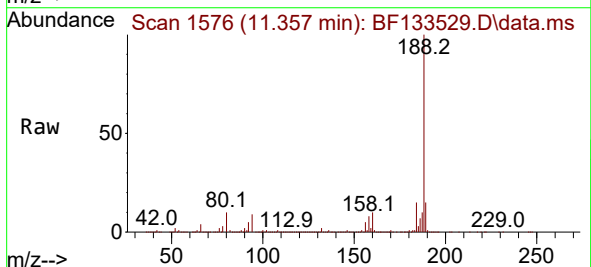
Instrument :
BNA_F
ClientSampleId :
ETGI-338

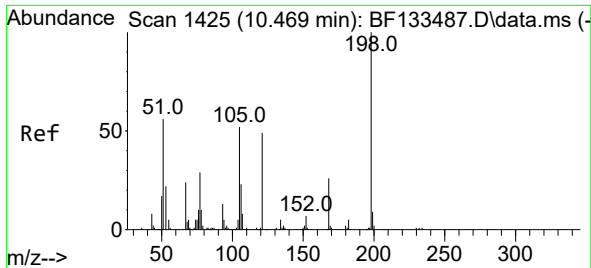
Tgt Ion: 77	Resp: 44055
Ion Ratio	Lower Upper
77	100
182	67.6 5.6 45.6#
105	151.3 2.6 42.6#
51	46.3 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion: 188	Resp: 541276
Ion Ratio	Lower Upper
188	100
94	9.3 8.6 12.8
80	10.0 9.2 13.8

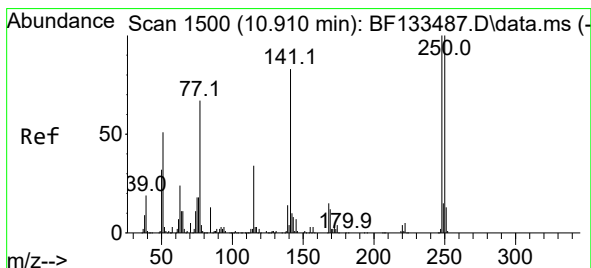
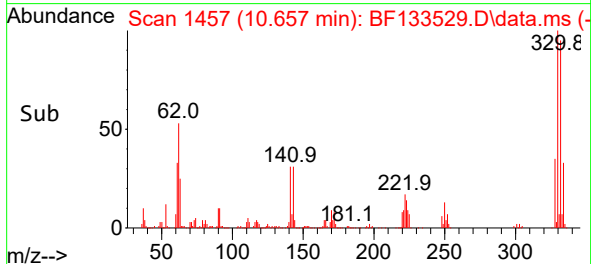
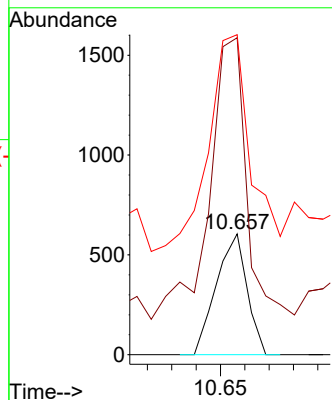
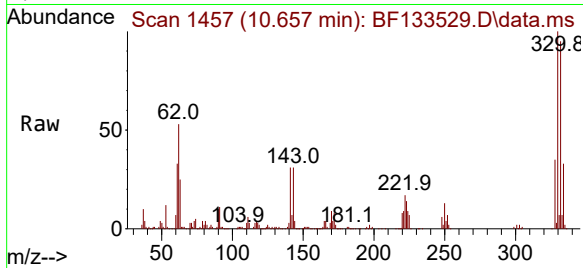




#65
4,6-Dinitro-2-methylphenol
Concen: 8.907 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

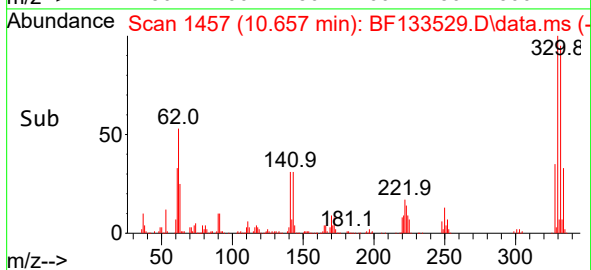
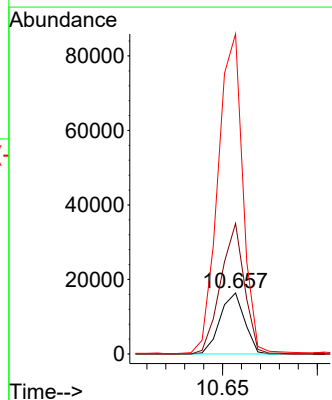
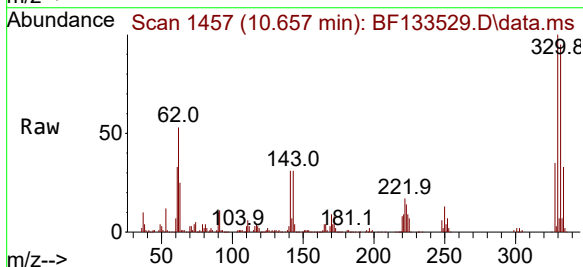
Instrument :
BNA_F
ClientSampleId :
ETGI-338

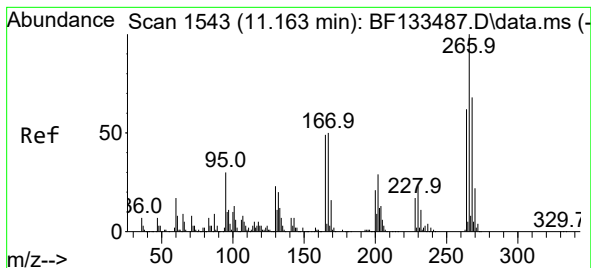
Tgt Ion:198 Resp: 529
Ion Ratio Lower Upper
198 100
51 262.5 53.6 93.6#
105 265.0 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.569 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:248 Resp: 14765
Ion Ratio Lower Upper
248 100
250 213.9 79.7 119.5#
141 524.3 66.6 100.0#





#70

Pentachlorophenol

Concen: 12.490 ng

RT: 11.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

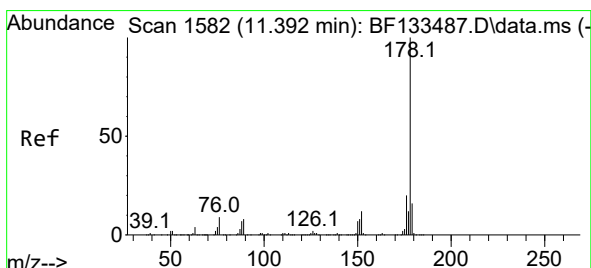
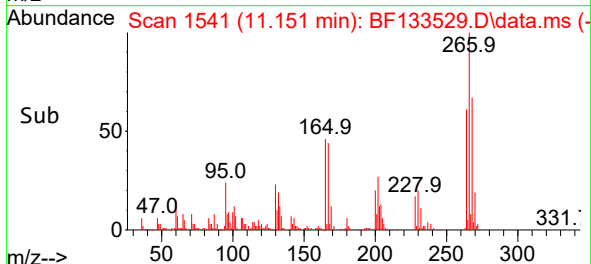
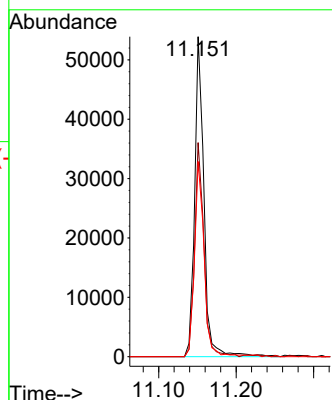
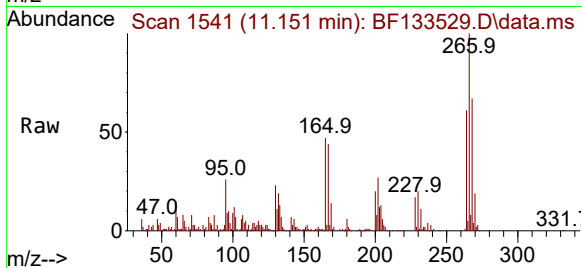
Tgt Ion:266 Resp: 44894

Ion Ratio Lower Upper

266 100

268 66.9 54.6 82.0

264 61.0 49.2 73.8



#71

Phenanthrene

Concen: 2.524 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

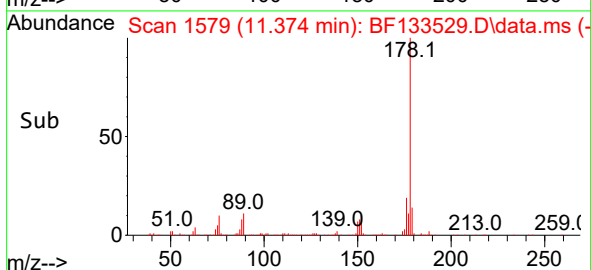
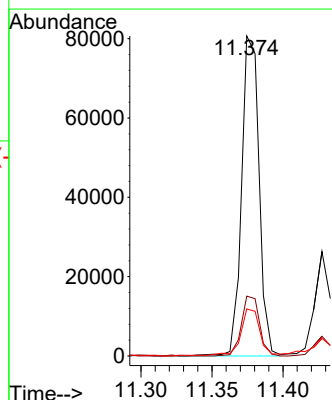
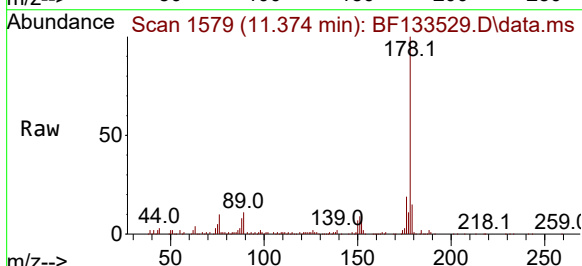
Tgt Ion:178 Resp: 69200

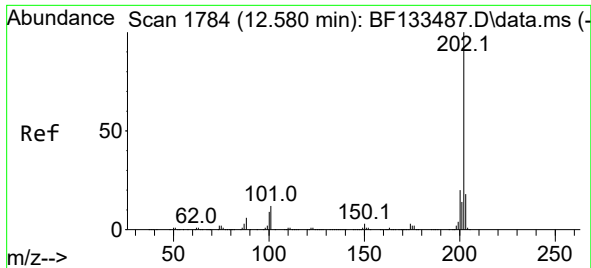
Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 14.7 12.4 18.6

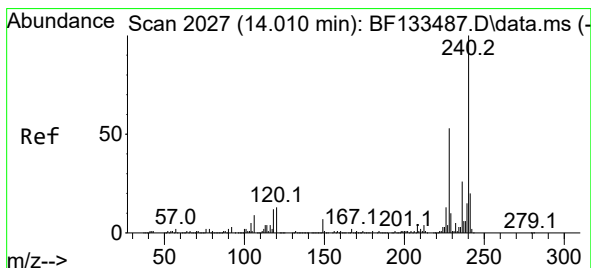
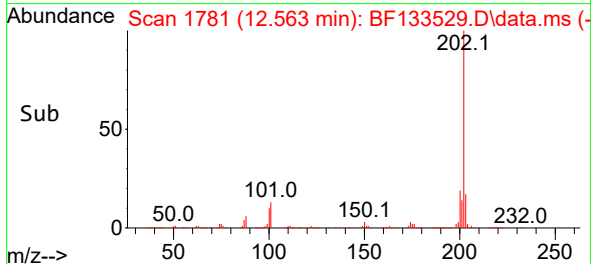
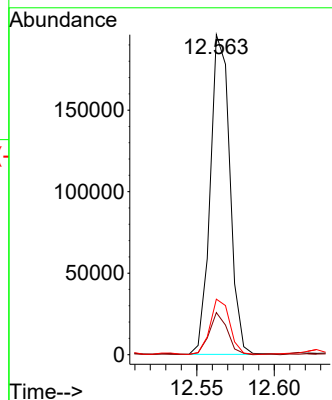
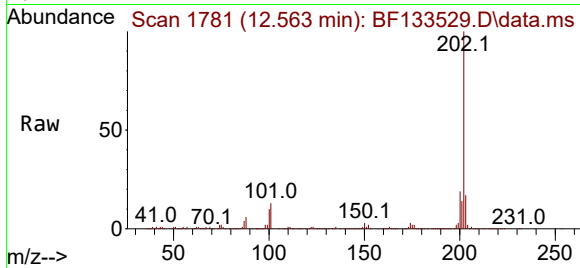




#75
Fluoranthene
Concen: 5.681 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

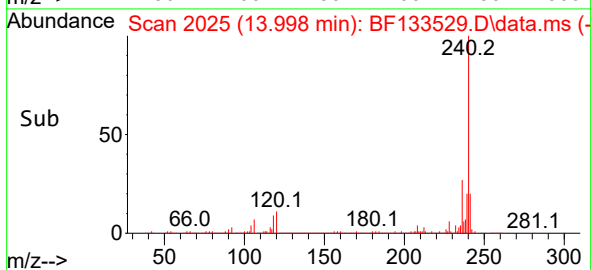
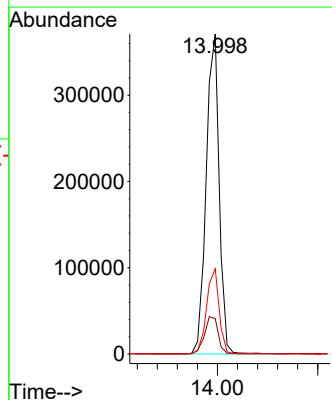
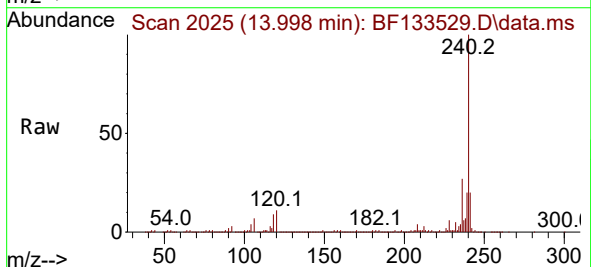
Instrument :
BNA_F
ClientSampleId :
ETGI-338

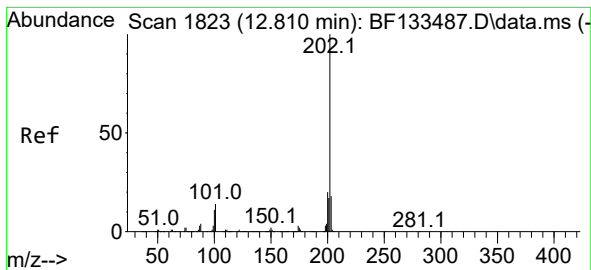
Tgt Ion:202 Resp: 172033
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:240 Resp: 333933
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 26.6 20.5 30.7





#78

Pyrene

Concen: 5.831 ng

RT: 12.792 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

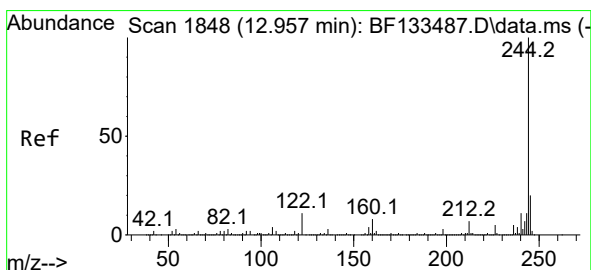
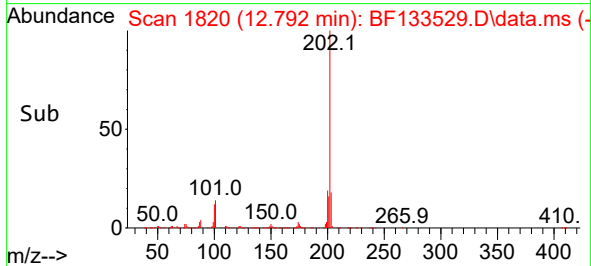
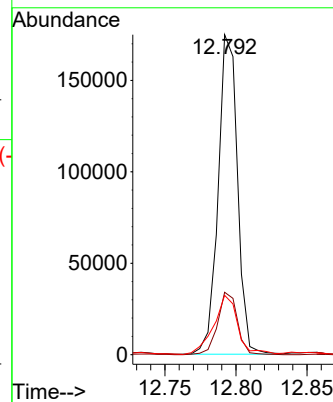
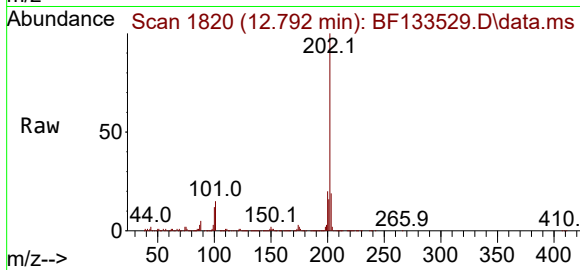
Tgt Ion:202 Resp: 165688

Ion Ratio Lower Upper

202 100

200 19.5 16.3 24.5

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 59.598 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

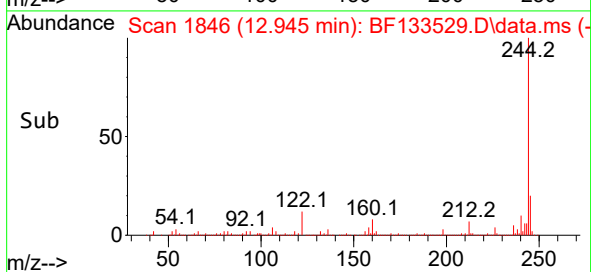
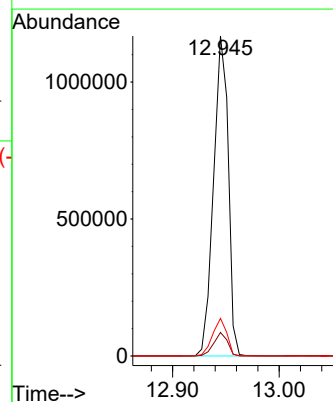
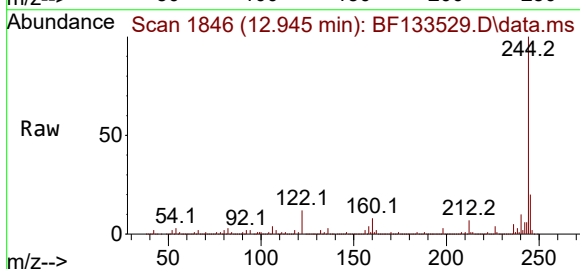
Tgt Ion:244 Resp: 1119338

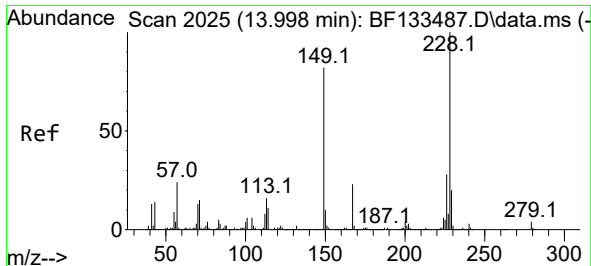
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 11.7 8.5 12.7

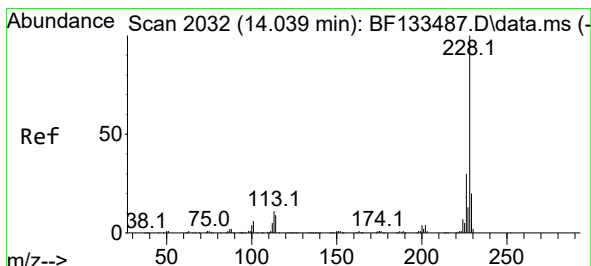
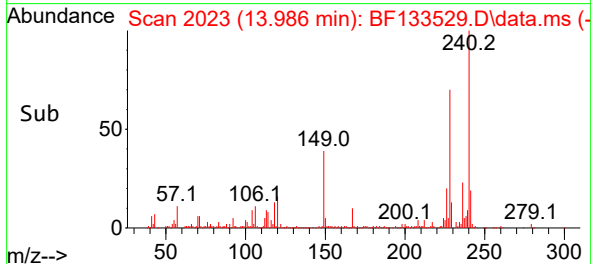
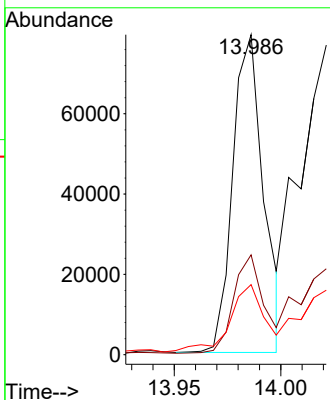
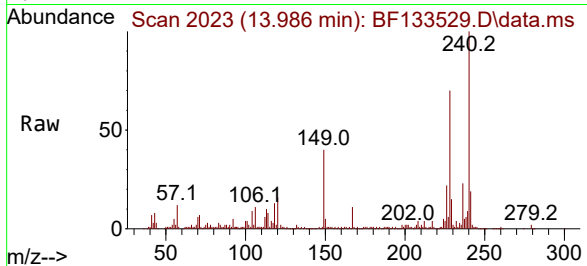




#81
Benzo(a)anthracene
Concen: 3.591 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

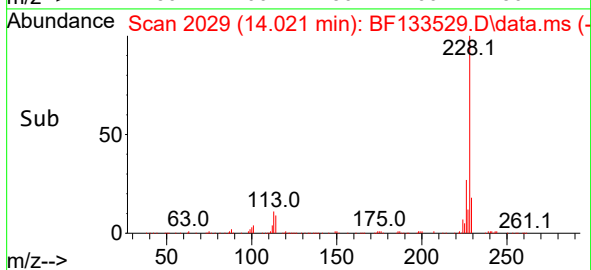
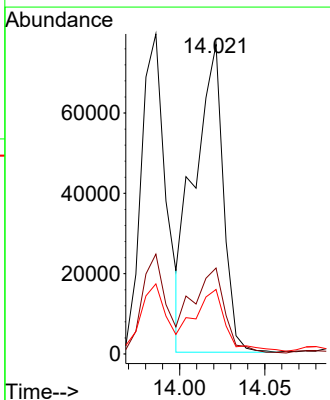
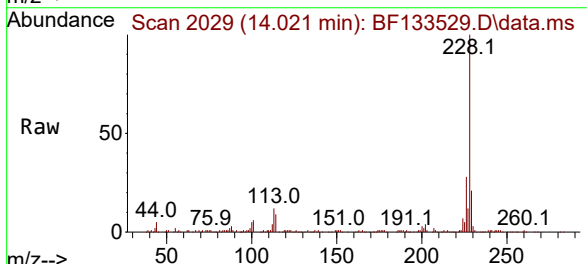
Instrument :
BNA_F
ClientSampleId :
ETGI-338

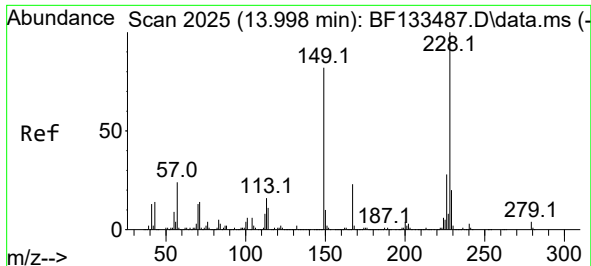
Tgt Ion:228 Resp: 79881
Ion Ratio Lower Upper
228 100
226 31.2 22.3 33.5
229 21.9 16.1 24.1



#83
Chrysene
Concen: 4.054 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:228 Resp: 91039
Ion Ratio Lower Upper
228 100
226 27.8 24.1 36.1
229 20.8 15.8 23.8

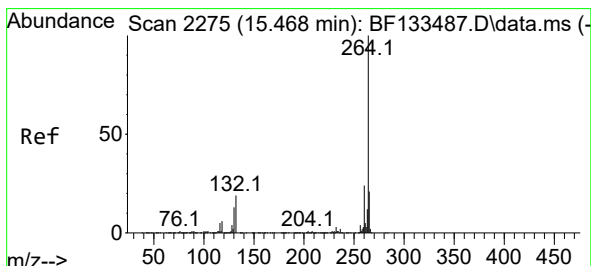
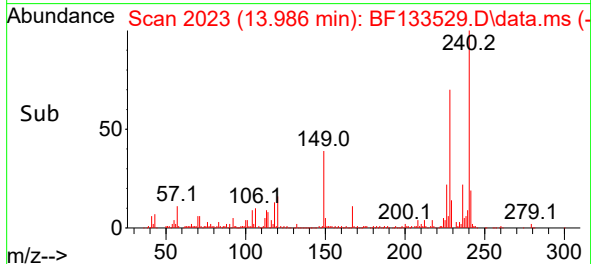
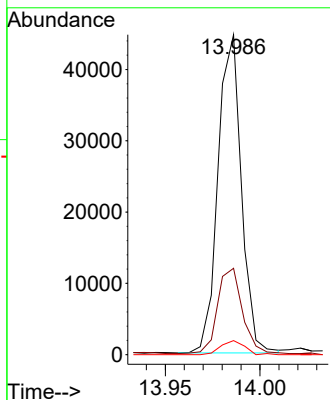
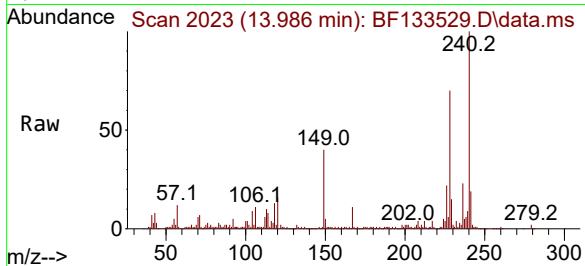




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.730 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

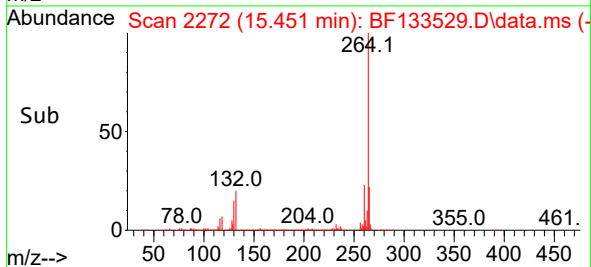
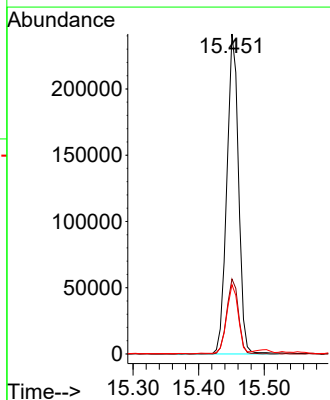
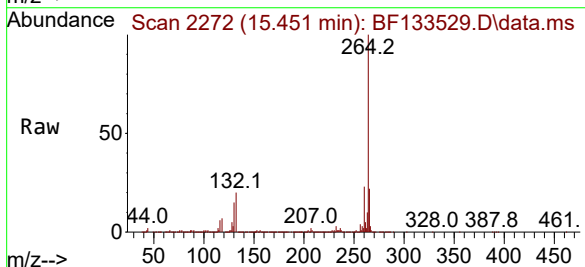
Instrument :
BNA_F
ClientSampleId :
ETGI-338

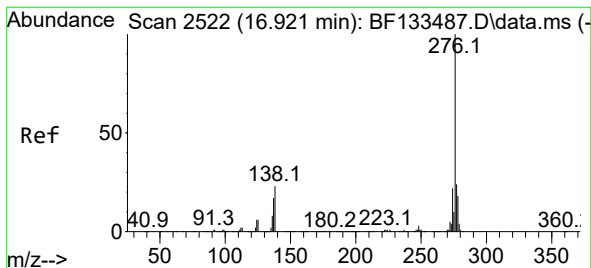
Tgt Ion:149 Resp: 38369
Ion Ratio Lower Upper
149 100
167 27.0 22.0 33.0
279 4.4 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

Tgt Ion:264 Resp: 299820
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.545 ng

RT: 16.892 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-338

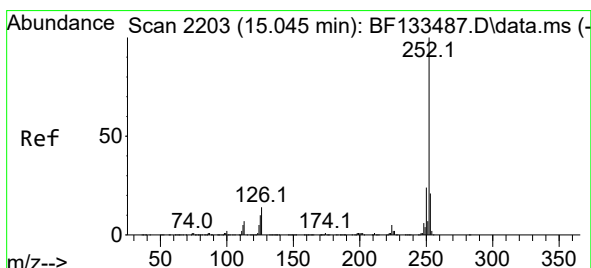
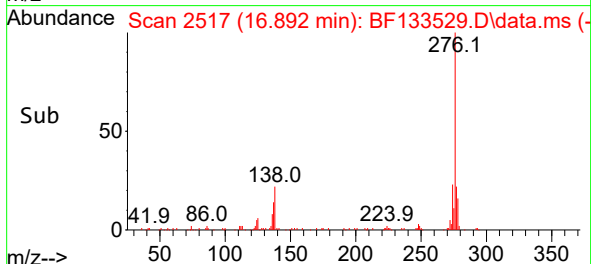
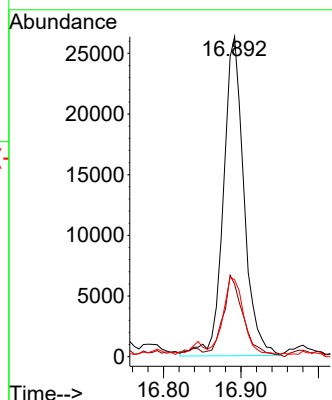
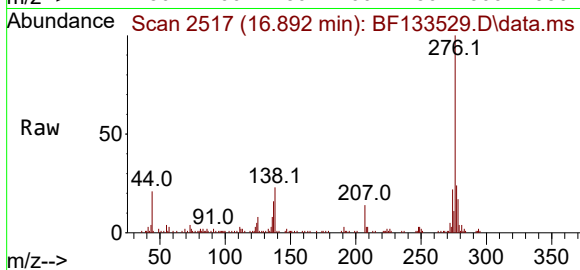
Tgt Ion:276 Resp: 48609

Ion Ratio Lower Upper

276 100

138 25.4 21.4 32.2

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 9.222 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF133529.D

Acq: 30 May 2023 18:53

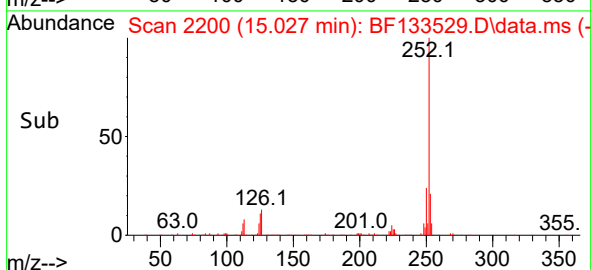
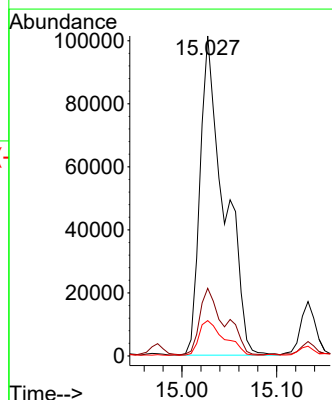
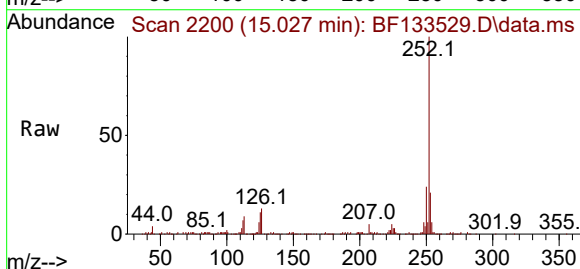
Tgt Ion:252 Resp: 180049

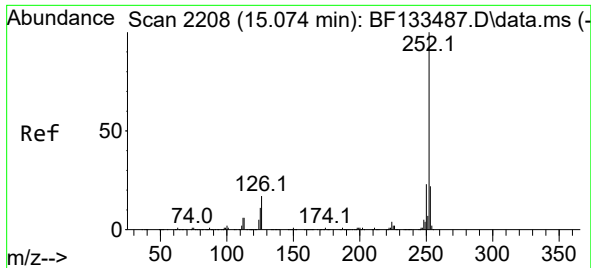
Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 11.0 8.1 12.1

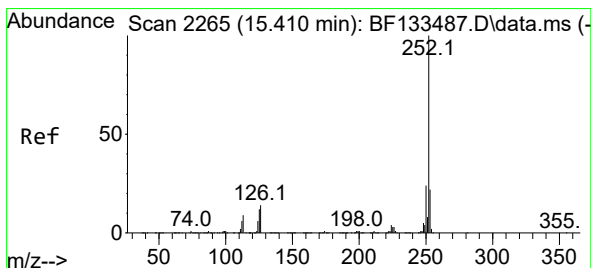
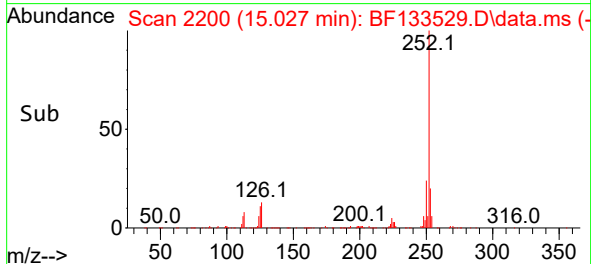
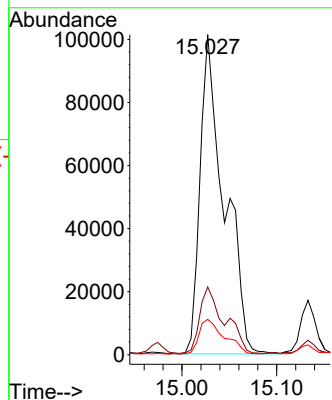
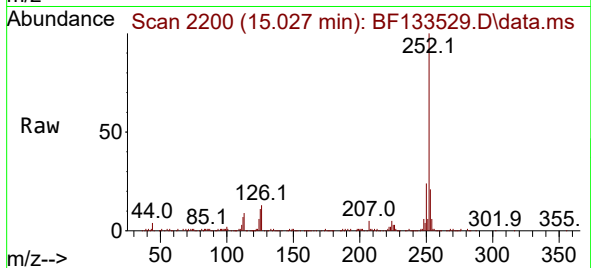




#89
Benzo(k)fluoranthene
Concen: 9.458 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

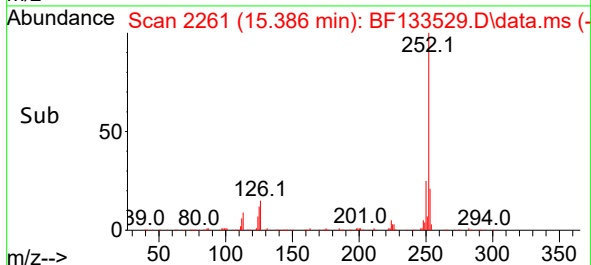
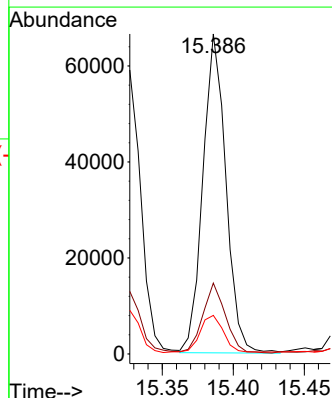
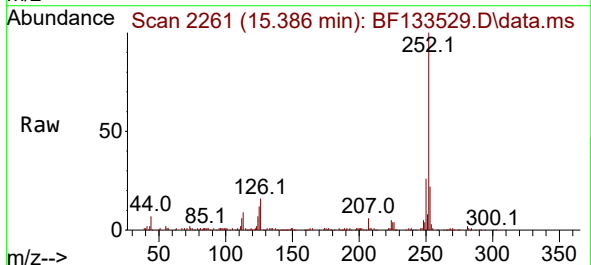
Instrument :
BNA_F
ClientSampleId :
ETGI-338

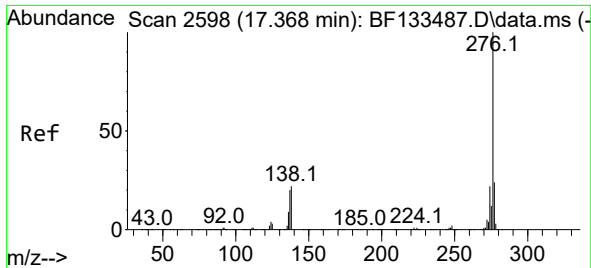
Tgt Ion:252 Resp: 180049
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.2
125 11.0 8.3 12.5



#90
Benzo(a)pyrene
Concen: 4.210 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.012 min
Lab File: BF133529.D
Acq: 30 May 2023 18:53

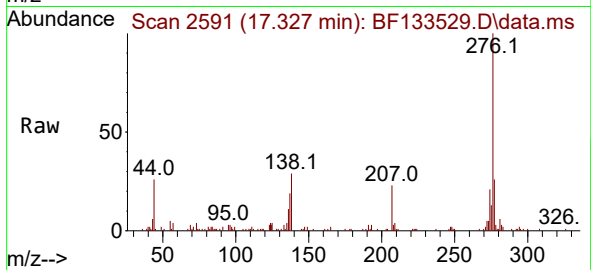
Tgt Ion:252 Resp: 74793
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 12.0 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.662 ng
 RT: 17.327 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF133529.D
 Acq: 30 May 2023 18:53

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-338



Tgt Ion: 276 Resp: 41567
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.8 28.2
 138 29.2 17.8 26.6#

