

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126373.D
 Acq On : 28 Dec 2021 00:18
 Operator : JU/CG
 Sample : M5211-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-286

Quant Time: Dec 28 06:01:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

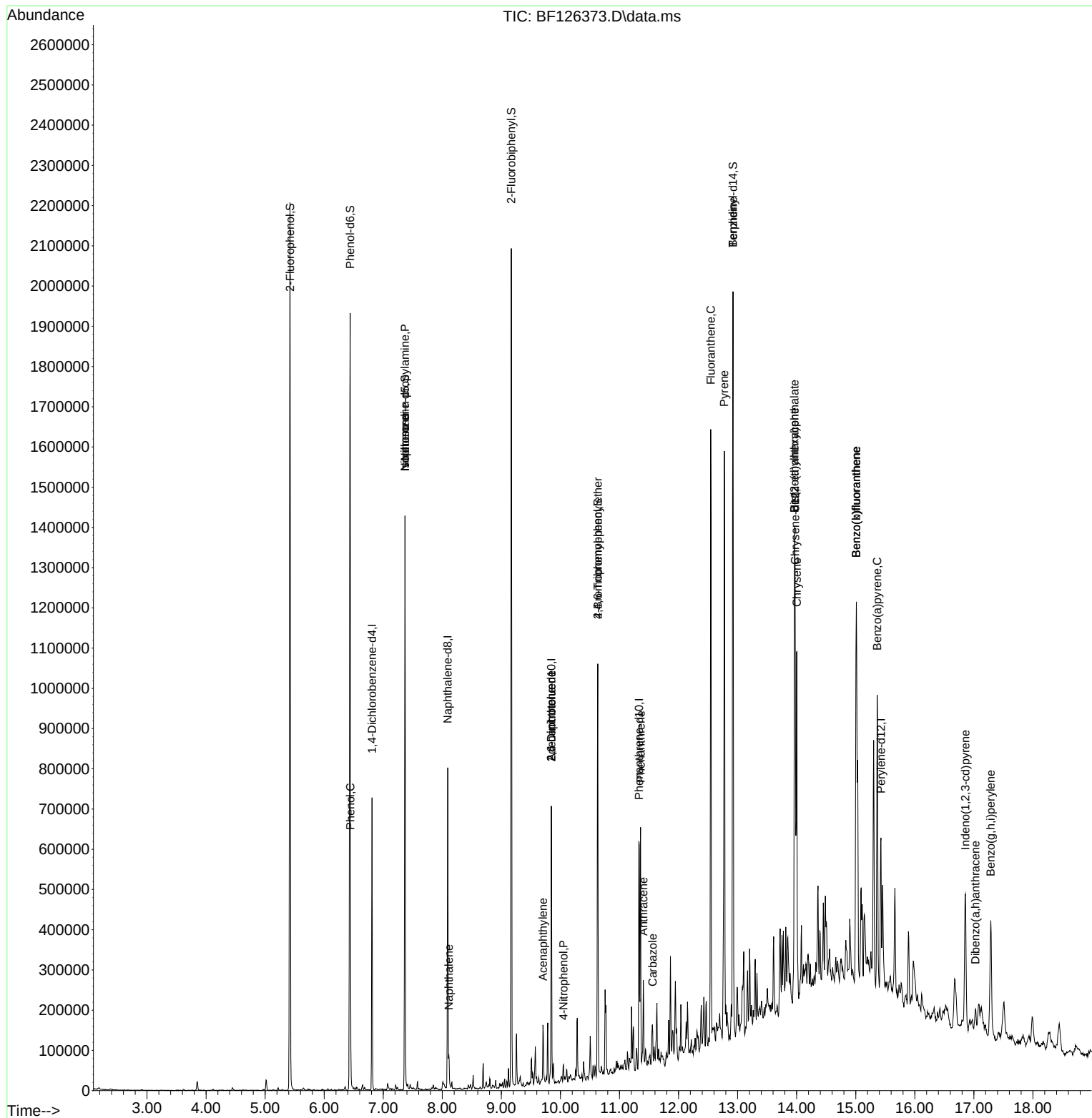
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	92843	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	335880	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	129422	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	213438	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	201025	20.000	ng	0.00
86) Perylene-d12	15.427	264	155216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	618041	98.032	ng	0.00
7) Phenol-d6	6.439	99	721716	90.157	ng	0.00
23) Nitrobenzene-d5	7.369	82	449613	72.498	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	112007	107.689	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	599577	81.253	ng	-0.01
79) Terphenyl-d14	12.921	244	583776	50.475	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.445	94	21755	2.421	ng	83
19) n-Nitroso-di-n-propyla...	7.369	70	56897	11.578	ng	# 54
25) Isophorone	7.369	82	449606	38.391	ng	# 59
31) Naphthalene	8.110	128	32138	2.046	ng	98
49) Acenaphthylene	9.704	152	59674	5.424	ng	99
51) 2,6-Dinitrotoluene	9.845	165	17060	9.614	ng	# 27
56) 4-Nitrophenol	10.051	139	3592	2.205	ng	# 21
57) 2,4-Dinitrotoluene	9.845	165	17060	7.537	ng	# 19
67) 4-Bromophenyl-phenylether	10.633	248	6438	3.214	ng	# 1
71) Phenanthrene	11.357	178	221563	20.112	ng	99
72) Anthracene	11.404	178	80629	7.292	ng	100
73) Carbazole	11.563	167	35021	3.363	ng	98
75) Fluoranthene	12.545	202	597700	60.220	ng	93
77) Benzidine	12.921	184	7715	2.434	ng	# 92
78) Pyrene	12.774	202	606807	32.856	ng	98
81) Benzo(a)anthracene	13.963	228	373653	31.379	ng	95
83) Chrysene	14.004	228	361289	29.202	ng	96
84) Bis(2-ethylhexyl)phtha...	13.963	149	21639	2.228	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.856	276	211601	20.438	ng	98
88) Benzo(b)fluoranthene	15.009	252	715779	76.749	ng	96
89) Benzo(k)fluoranthene	15.009	252	715779	80.229	ng	# 95
90) Benzo(a)pyrene	15.362	252	341878	44.106	ng	# 96
91) Dibenzo(a,h)anthracene	17.027	278	36771	4.369	ng	96
92) Benzo(g,h,i)perylene	17.286	276	213619	24.532	ng	95

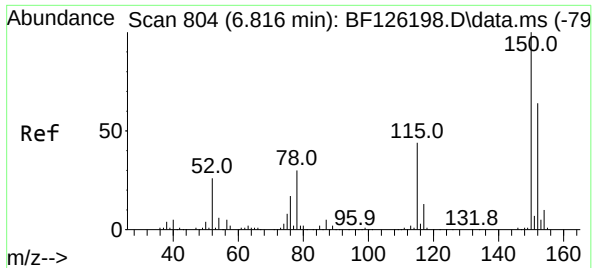
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126373.D
Acq On : 28 Dec 2021 00:18
Operator : JU/CG
Sample : M5211-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-286

Quant Time: Dec 28 06:01:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration

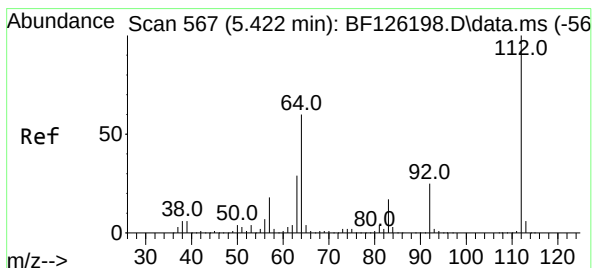
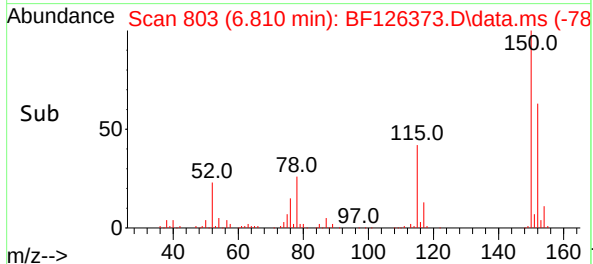
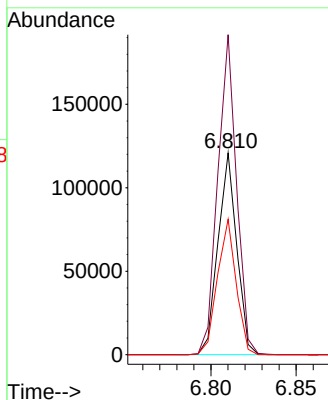
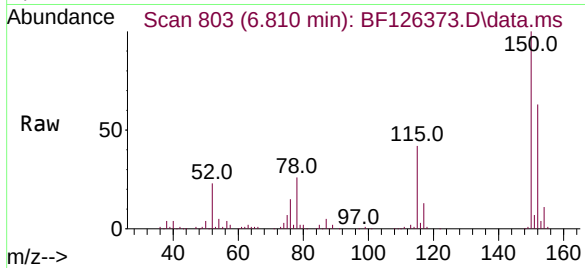




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

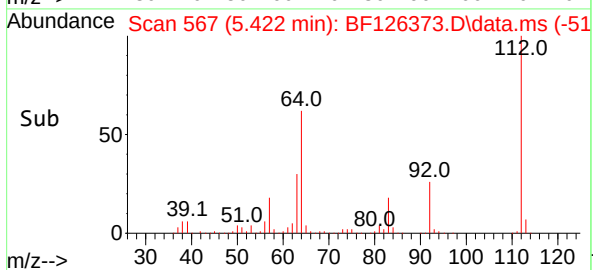
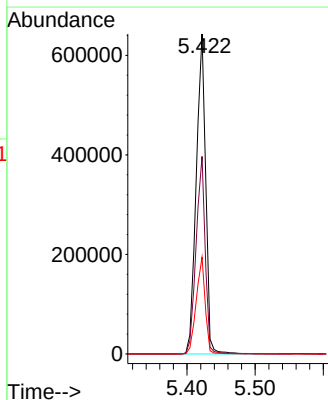
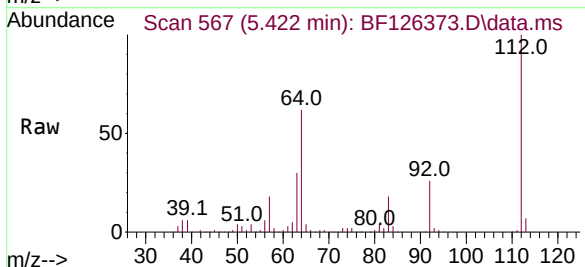
Instrument :
BNA_F
ClientSampleId :
ETGI-286

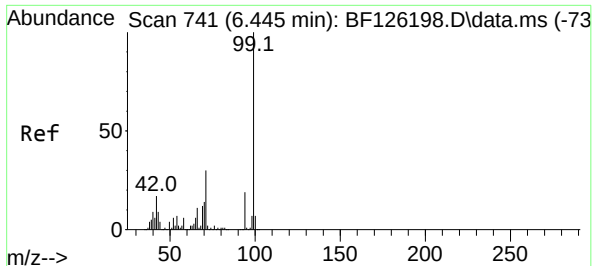
Tgt Ion:152 Resp: 92843
Ion Ratio Lower Upper
152 100
150 158.6 117.6 176.4
115 67.1 47.1 70.7



#5
2-Fluorophenol
Concen: 98.032 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:112 Resp: 618041
Ion Ratio Lower Upper
112 100
64 61.8 44.2 66.2
63 30.3 26.2 39.2

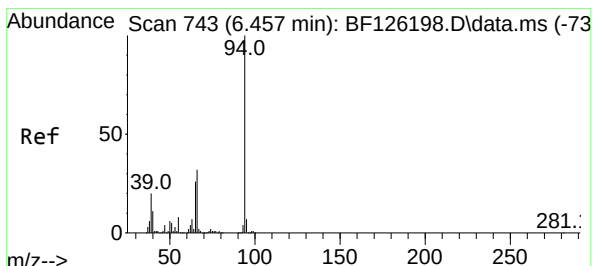
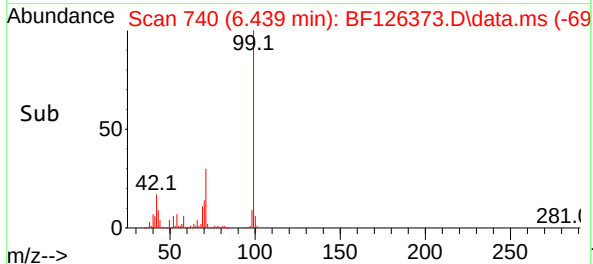
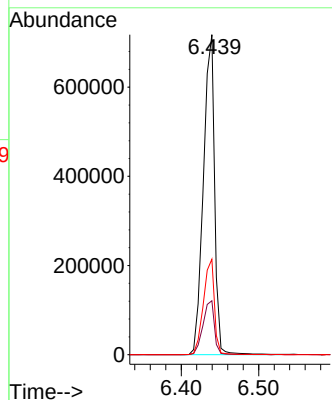
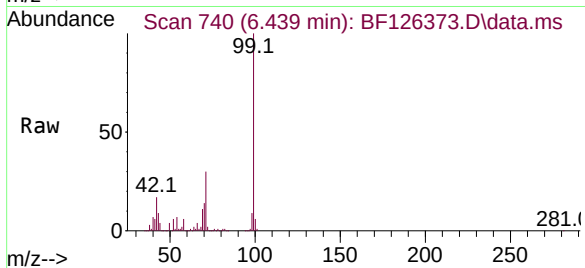




#7
Phenol-d6
Concen: 90.157 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

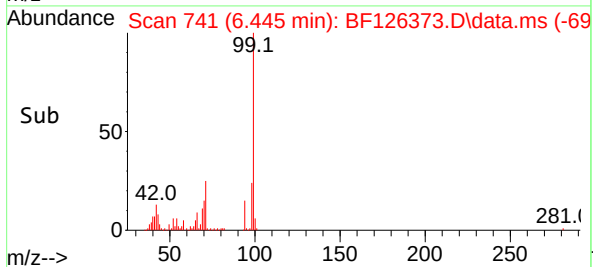
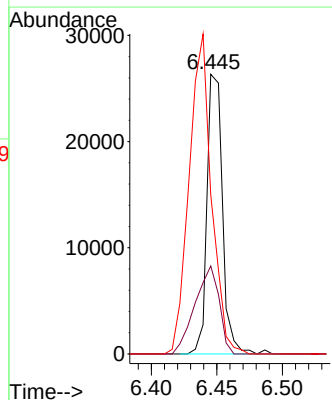
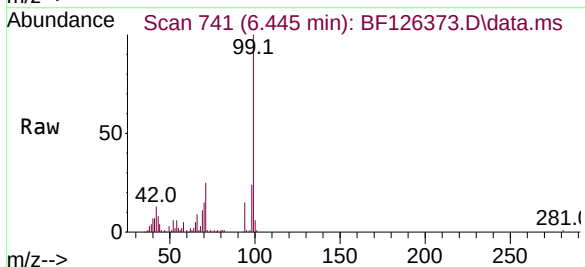
Instrument :
BNA_F
ClientSampleId :
ETGI-286

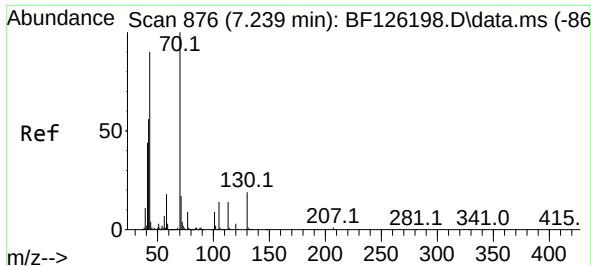
Tgt Ion: 99 Resp: 721716
Ion Ratio Lower Upper
99 100
42 16.8 23.5 35.3#
71 29.9 25.6 38.4



#10
Phenol
Concen: 2.421 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion: 94 Resp: 21755
Ion Ratio Lower Upper
94 100
65 31.5 9.3 49.3
66 56.8 20.3 60.3





#19

n-Nitroso-di-n-propylamine

Concen: 11.578 ng

RT: 7.369 min Scan# 898

Delta R.T. 0.135 min

Lab File: BF126373.D

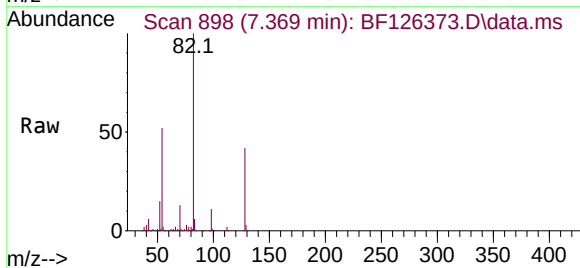
Acq: 28 Dec 2021 00:18

Instrument :

BNA_F

ClientSampleId :

ETGI-286



Tgt Ion: 70 Resp: 56897

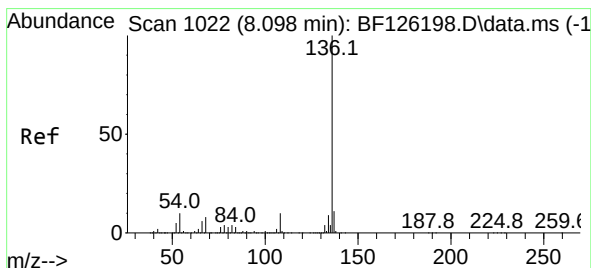
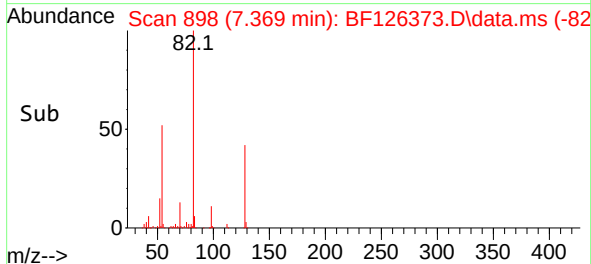
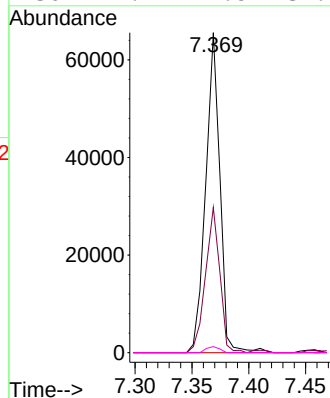
Ion Ratio Lower Upper

70 100

42 45.4 72.2 108.2#

101 0.0 7.8 11.8#

130 1.9 21.8 32.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF126373.D

Acq: 28 Dec 2021 00:18

Tgt Ion: 136 Resp: 335880

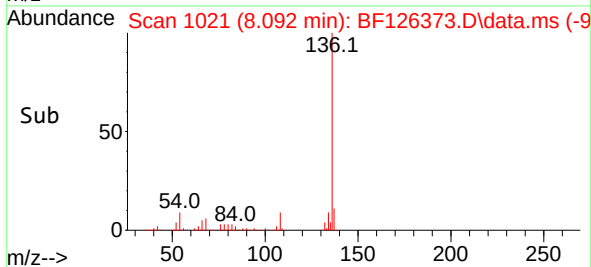
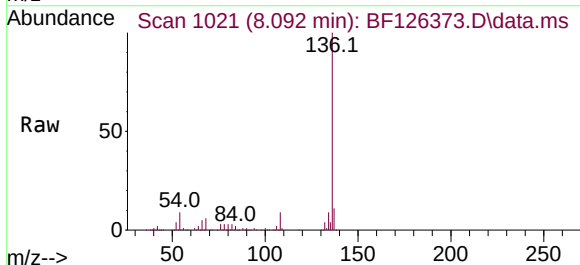
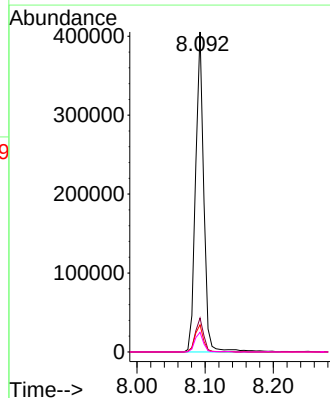
Ion Ratio Lower Upper

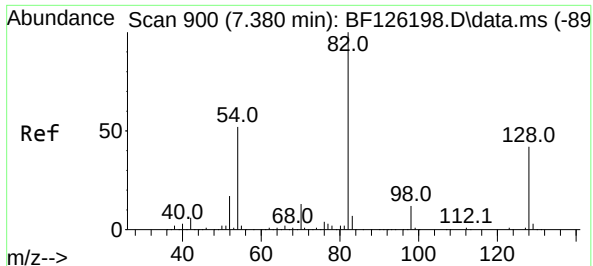
136 100

137 10.6 9.8 14.6

54 8.5 6.4 9.6

68 6.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 72.498 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126373.D

Acq: 28 Dec 2021 00:18

Instrument :

BNA_F

ClientSampleId :

ETGI-286

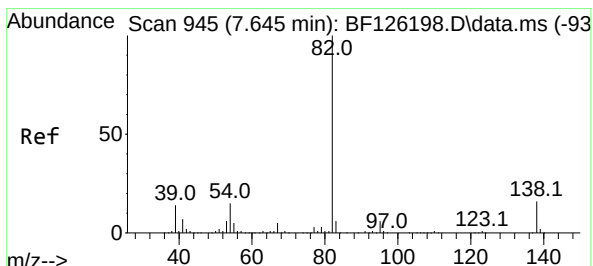
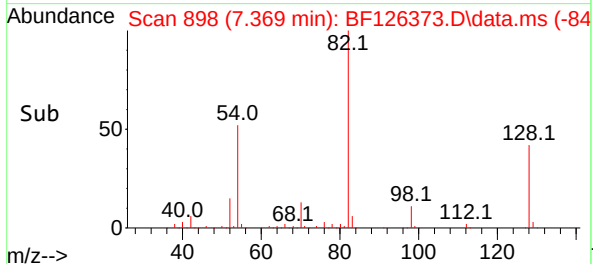
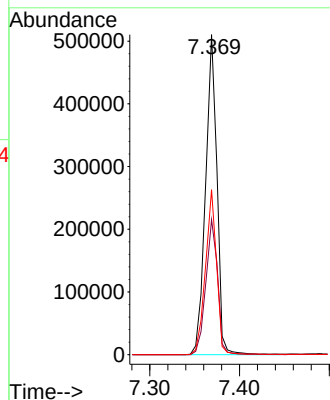
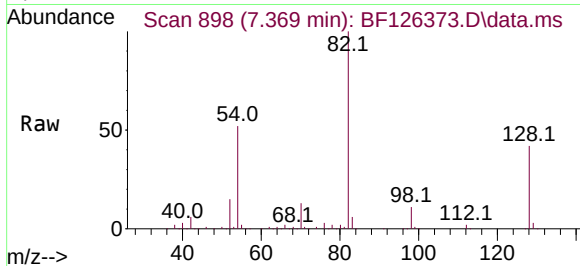
Tgt Ion: 82 Resp: 449613

Ion Ratio Lower Upper

82 100

128 42.2 40.6 60.8

54 51.6 49.6 74.4



#25

Isophorone

Concen: 38.391 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.271 min

Lab File: BF126373.D

Acq: 28 Dec 2021 00:18

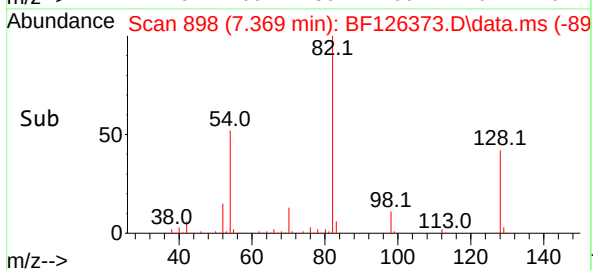
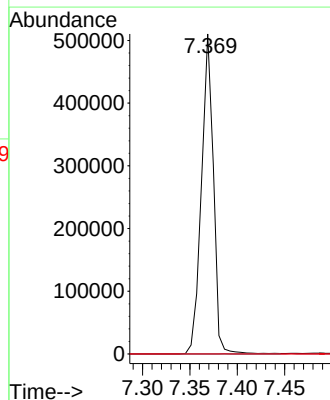
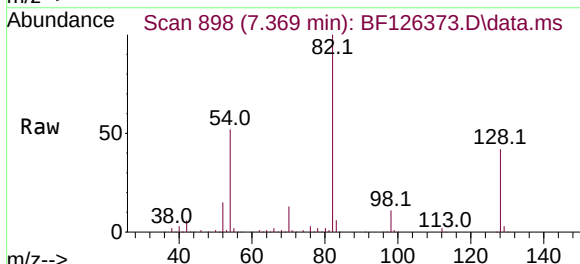
Tgt Ion: 82 Resp: 449606

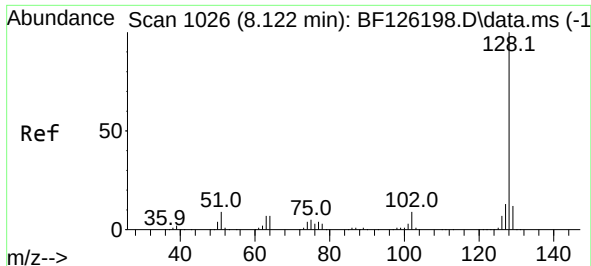
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

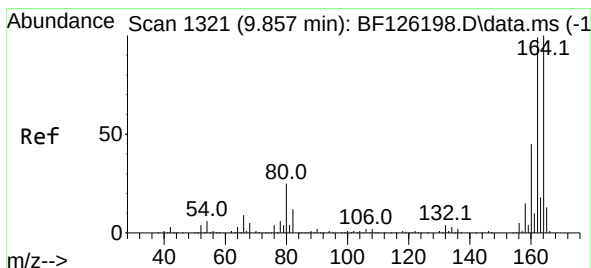
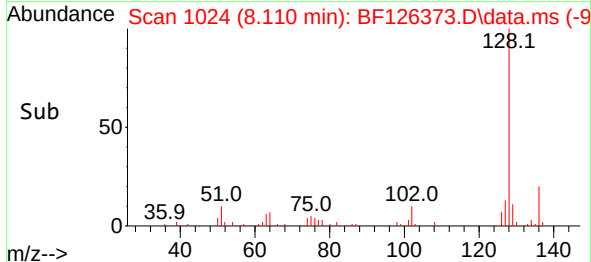
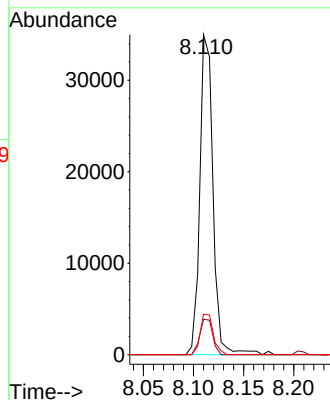
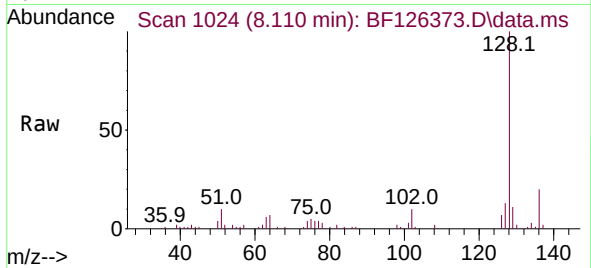




#31
Naphthalene
Concen: 2.046 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

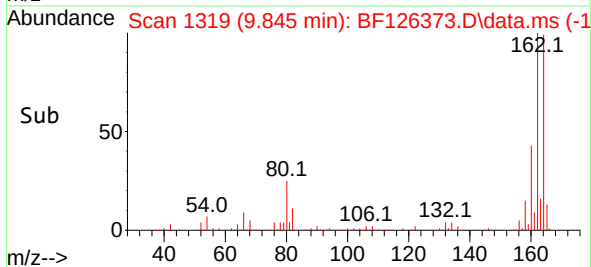
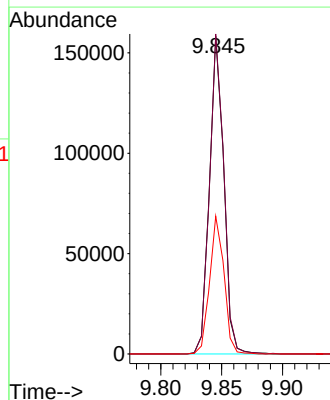
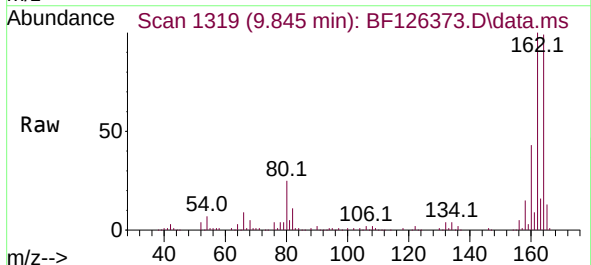
Instrument :
BNA_F
ClientSampleId :
ETGI-286

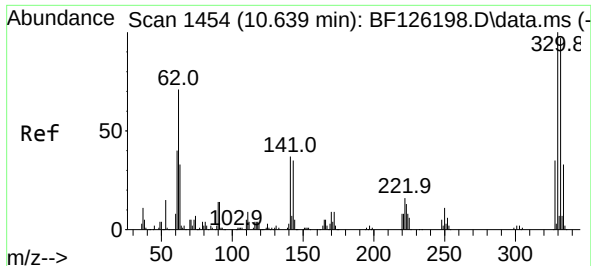
Tgt Ion:128 Resp: 32138
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.0
127 12.6 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:164 Resp: 129422
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 43.3 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 107.689 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF126373.D

Acq: 28 Dec 2021 00:18

Instrument :

BNA_F

ClientSampleId :

ETGI-286

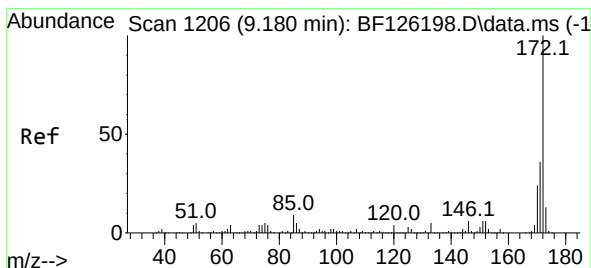
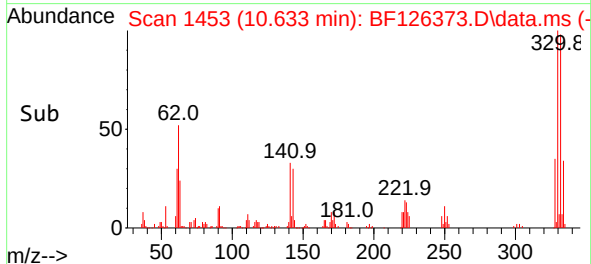
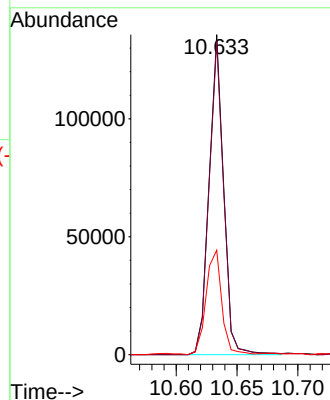
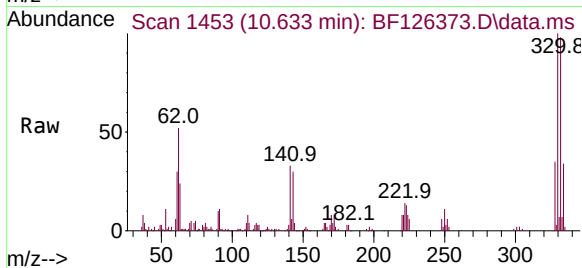
Tgt Ion:330 Resp: 112007

Ion Ratio Lower Upper

330 100

332 98.3 76.2 114.4

141 35.6 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 81.253 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF126373.D

Acq: 28 Dec 2021 00:18

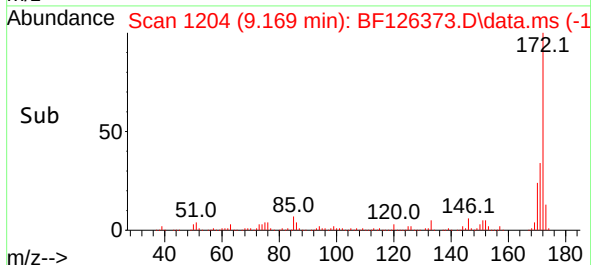
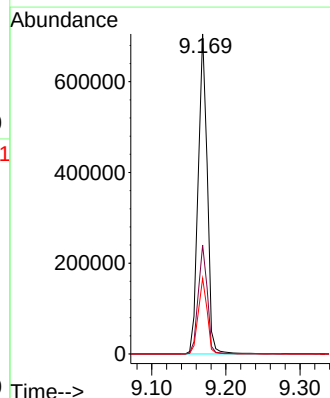
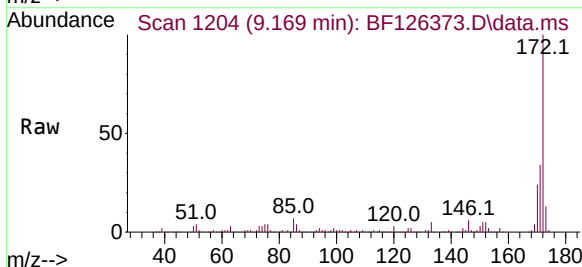
Tgt Ion:172 Resp: 599577

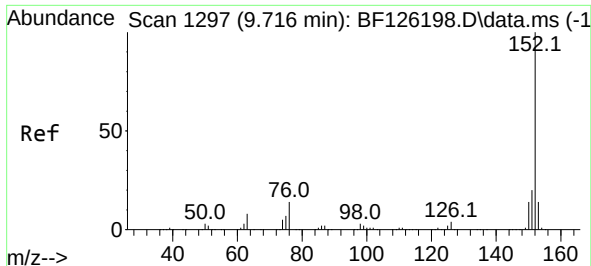
Ion Ratio Lower Upper

172 100

171 34.0 26.5 39.7

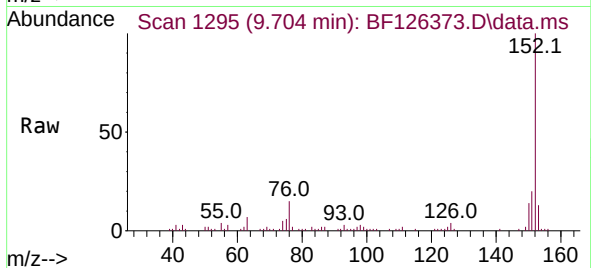
170 23.6 18.8 28.2



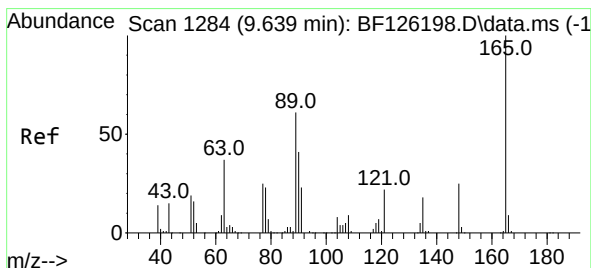
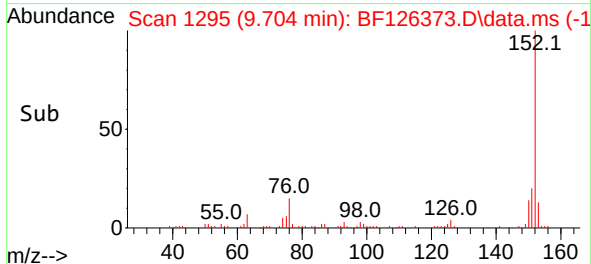
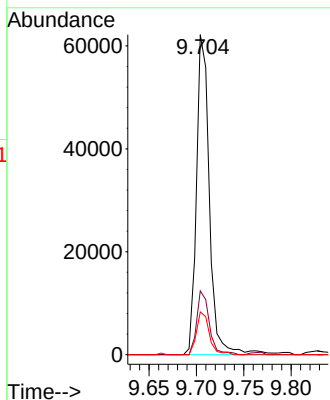


#49
Acenaphthylene
Concen: 5.424 ng
RT: 9.704 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Instrument :
BNA_F
ClientSampleId :
ETGI-286

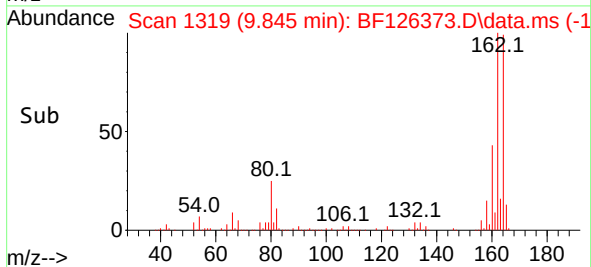
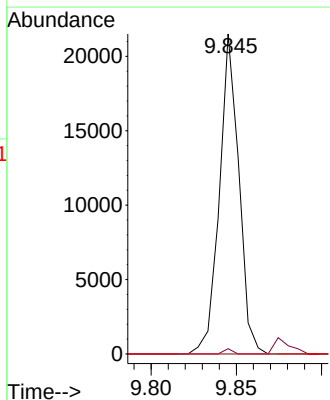
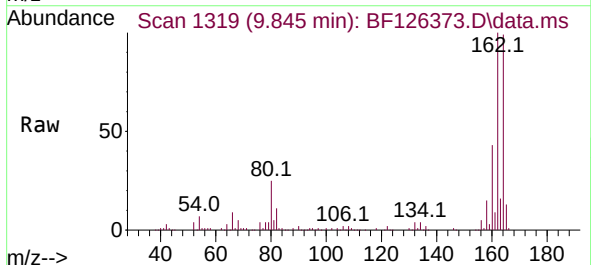


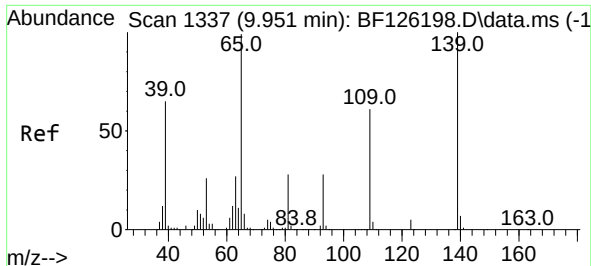
Tgt Ion:152 Resp: 59674
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.4 9.8 14.8



#51
2,6-Dinitrotoluene
Concen: 9.614 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:165 Resp: 17060
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 0.0 40.6 60.8#

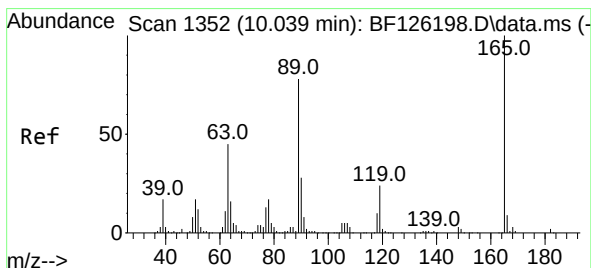
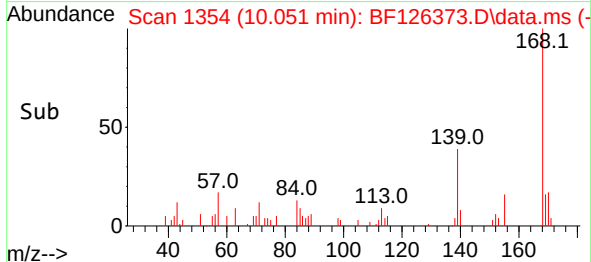
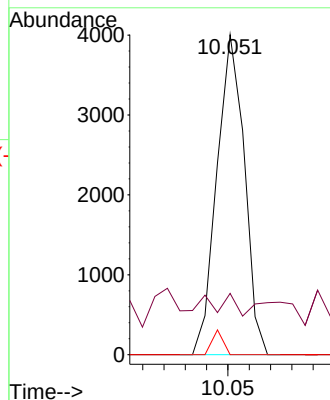
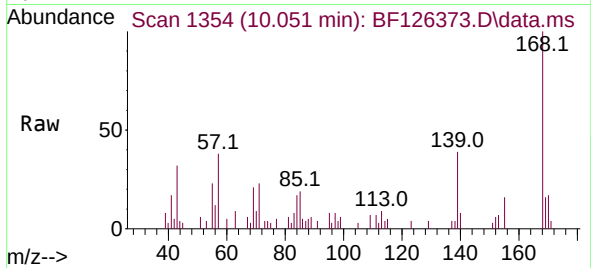




#56
4-Nitrophenol
Concen: 2.205 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

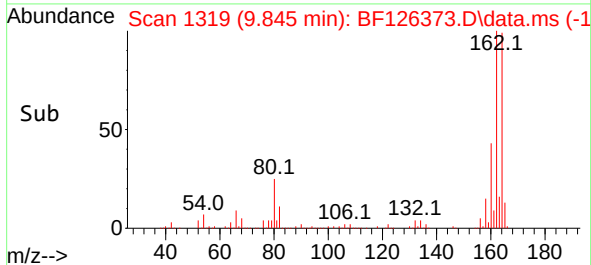
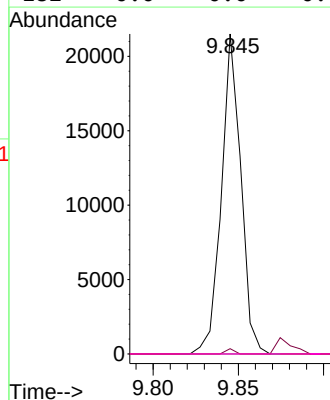
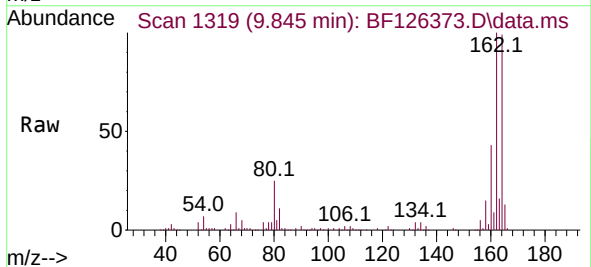
Instrument :
BNA_F
ClientSampleId :
ETGI-286

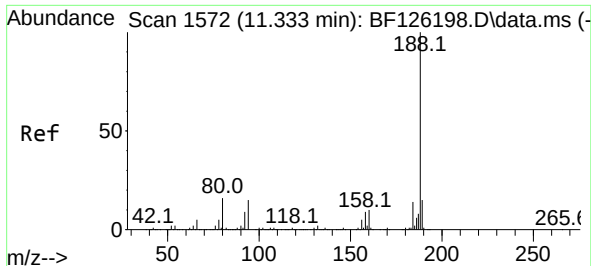
Tgt Ion:139 Resp: 3592
Ion Ratio Lower Upper
139 100
109 19.2 60.4 100.4#
65 0.0 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 7.537 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:165 Resp: 17060
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

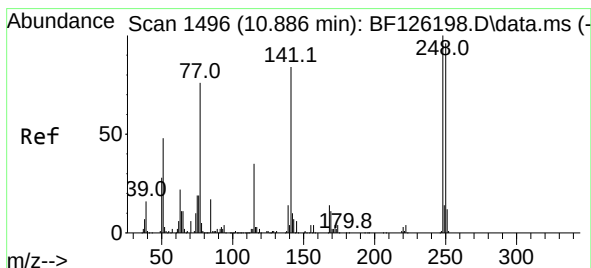
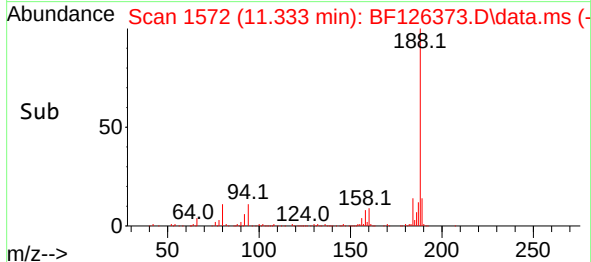
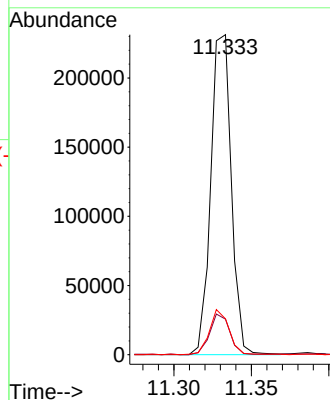
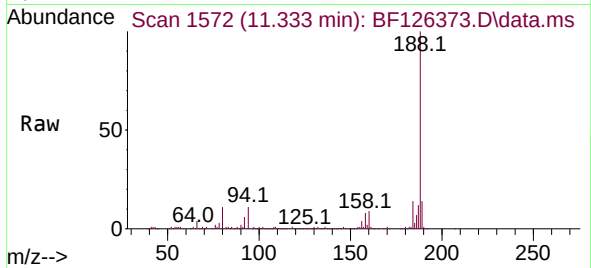




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

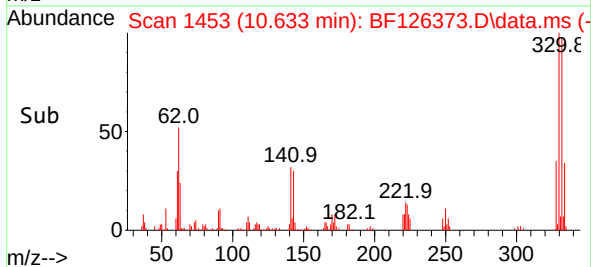
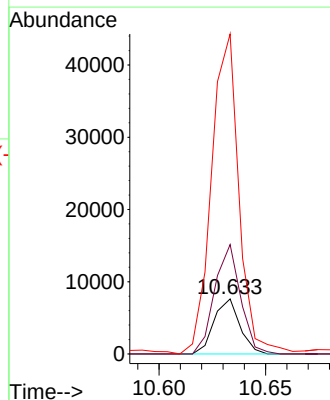
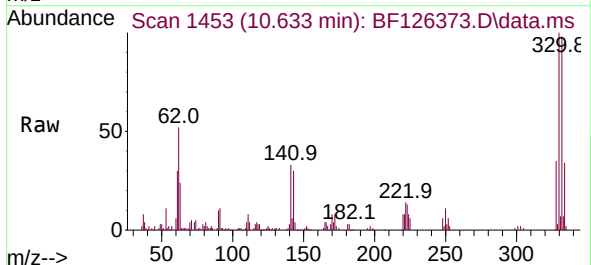
Instrument :
BNA_F
ClientSampleId :
ETGI-286

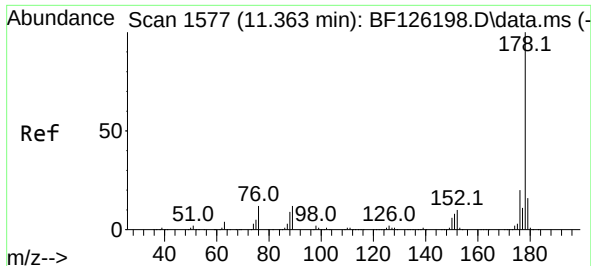
Tgt Ion:188 Resp: 213438
Ion Ratio Lower Upper
188 100
94 11.1 6.7 10.1#
80 11.2 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.214 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:248 Resp: 6438
Ion Ratio Lower Upper
248 100
250 199.1 74.2 111.4#
141 581.6 60.4 90.6#

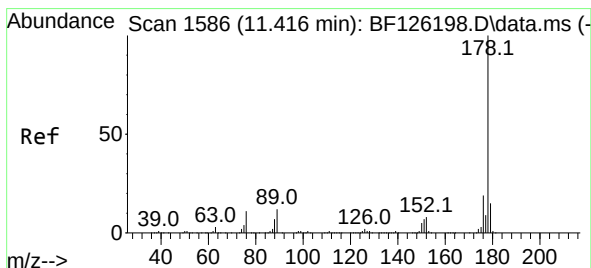
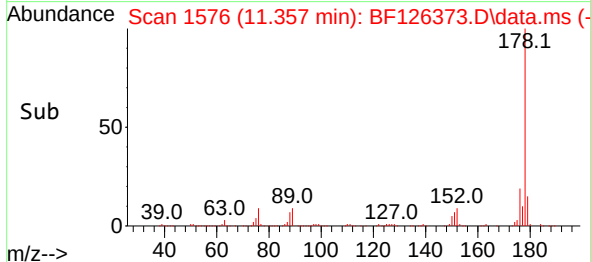
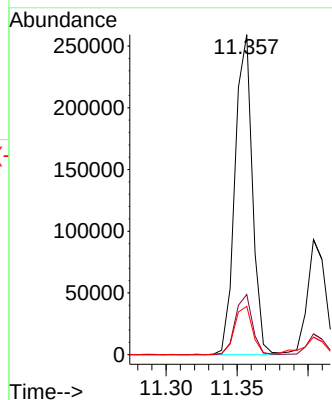
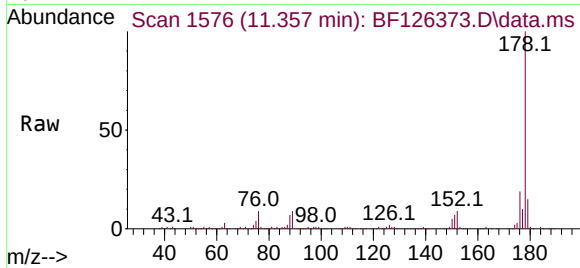




#71
Phenanthrene
Concen: 20.112 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

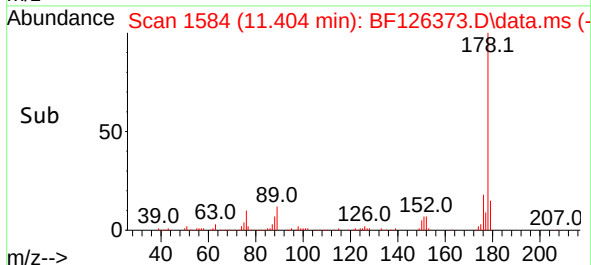
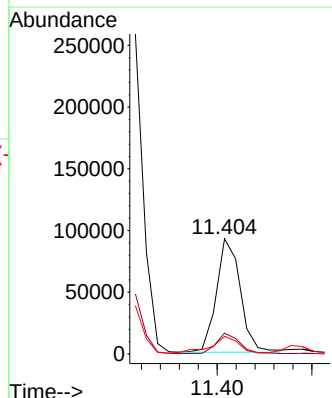
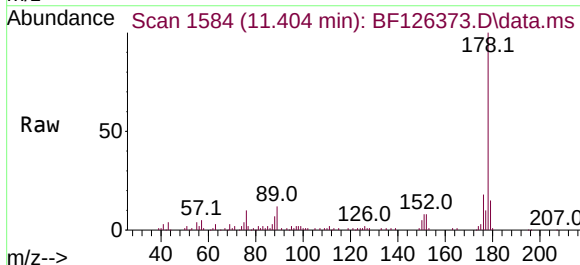
Instrument :
BNA_F
ClientSampleId :
ETGI-286

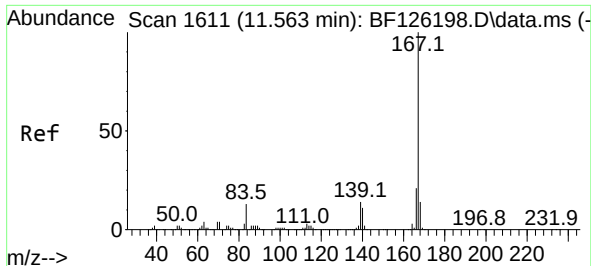
Tgt Ion:178 Resp: 221563
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 7.292 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:178 Resp: 80629
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.3 12.2 18.4

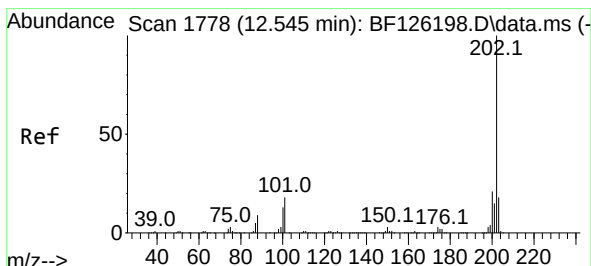
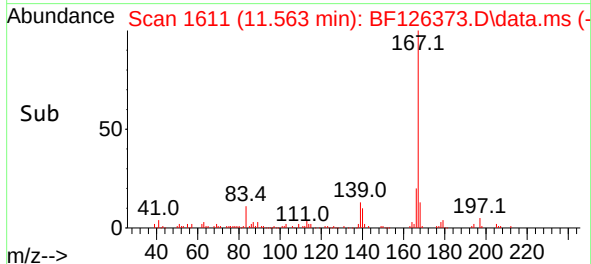
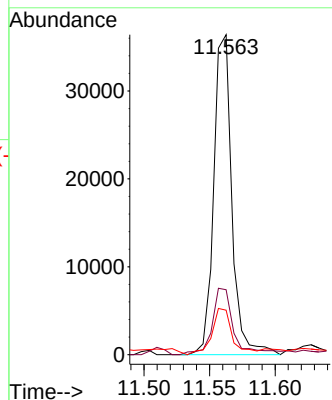
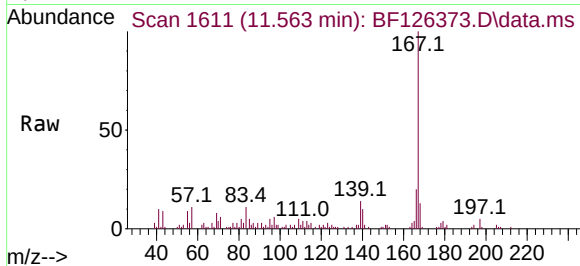




#73
 Carbazole
 Concen: 3.363 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

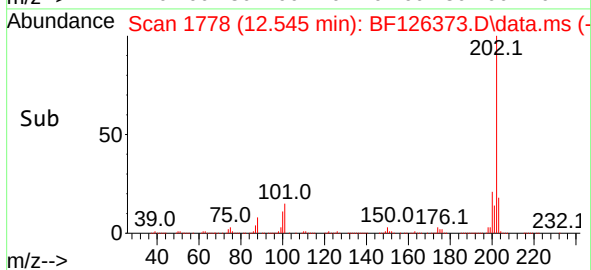
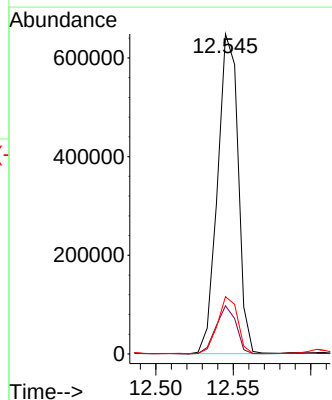
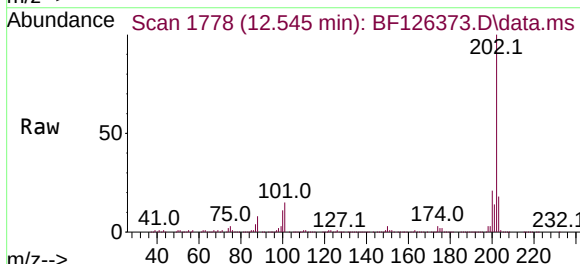
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-286

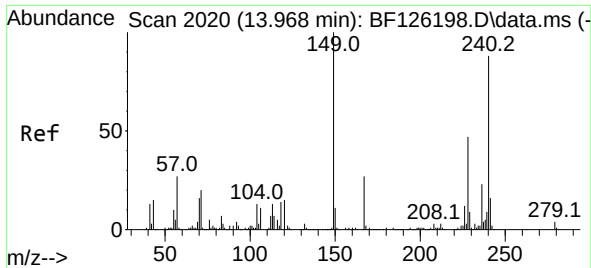
Tgt Ion:167 Resp: 35021
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.4 26.0
 139 13.9 11.0 16.4



#75
 Fluoranthene
 Concen: 60.220 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

Tgt Ion:202 Resp: 597700
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 30.7
 203 17.9 0.0 36.3

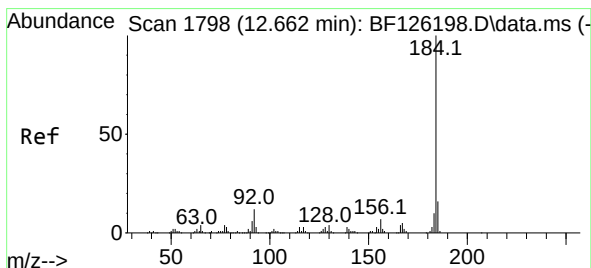
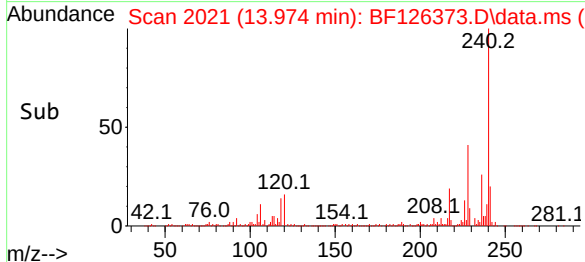
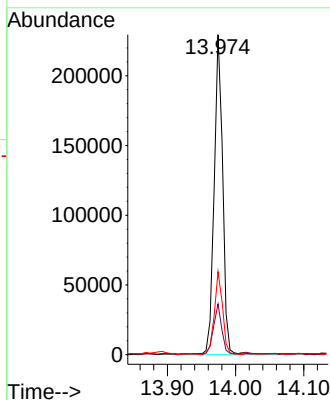
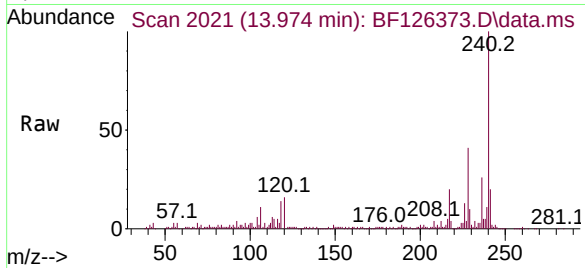




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

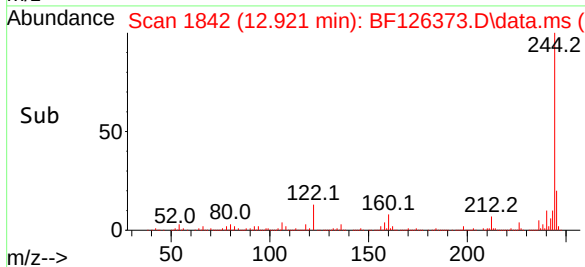
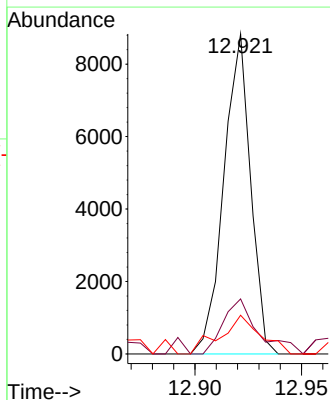
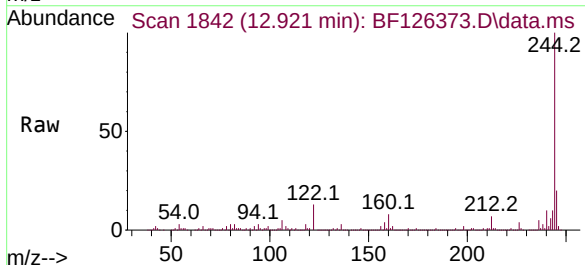
Instrument :
BNA_F
ClientSampleId :
ETGI-286

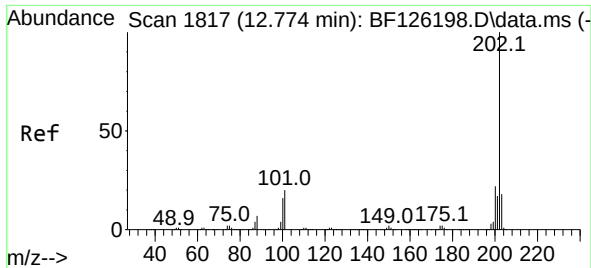
Tgt Ion:240 Resp: 201025
Ion Ratio Lower Upper
240 100
120 15.9 10.8 16.2
236 26.0 21.6 32.4



#77
Benzidine
Concen: 2.434 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.247 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:184 Resp: 7715
Ion Ratio Lower Upper
184 100
185 17.2 10.8 16.2#
183 12.1 8.1 12.1

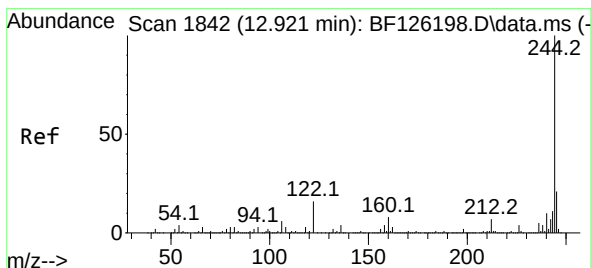
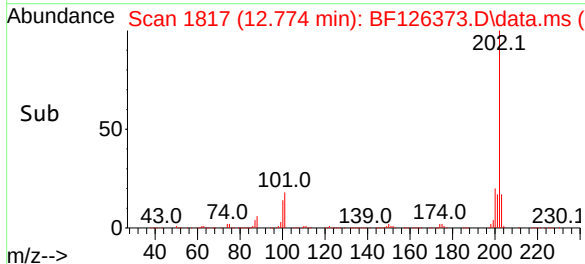
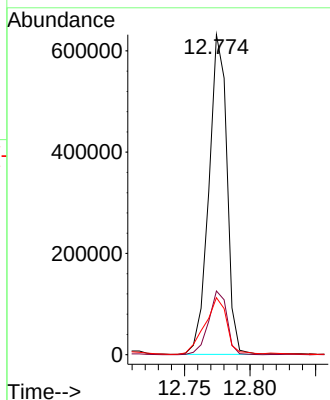
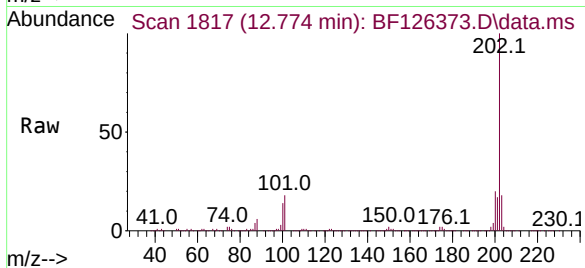




#78
Pyrene
Concen: 32.856 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

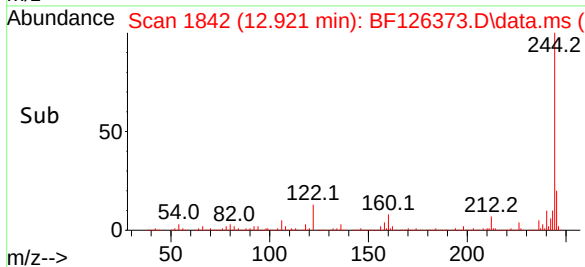
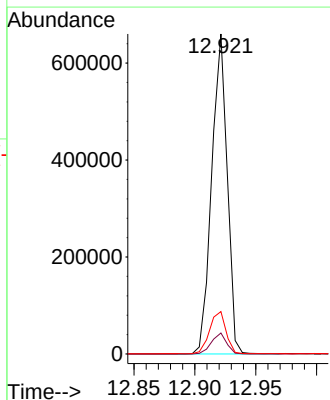
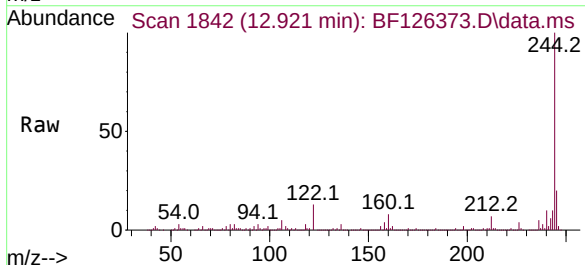
Instrument :
BNA_F
ClientSampleId :
ETGI-286

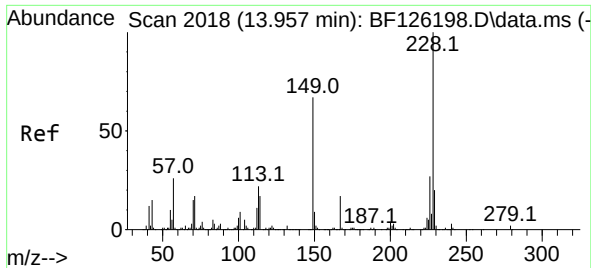
Tgt Ion:202 Resp: 606807
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 17.8 13.4 20.0



#79
Terphenyl-d14
Concen: 50.475 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:244 Resp: 583776
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 13.2 9.0 13.4

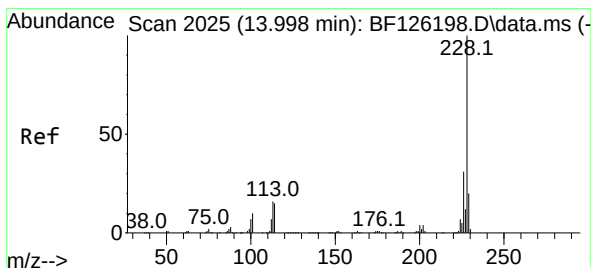
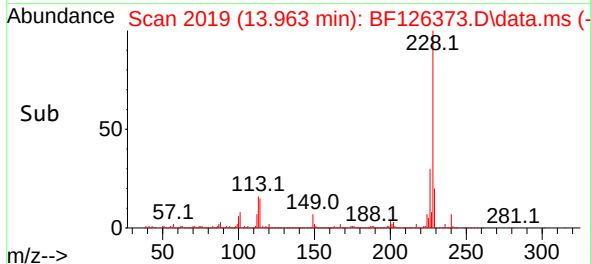
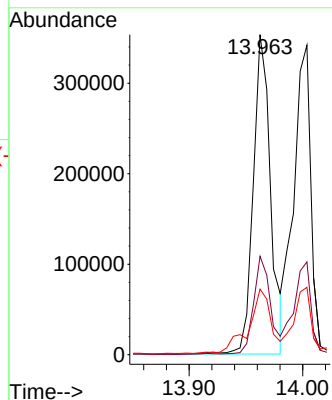
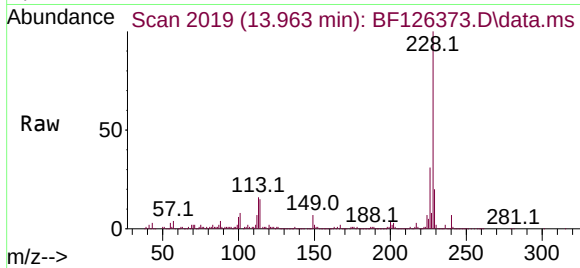




#81
Benzo(a)anthracene
Concen: 31.379 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

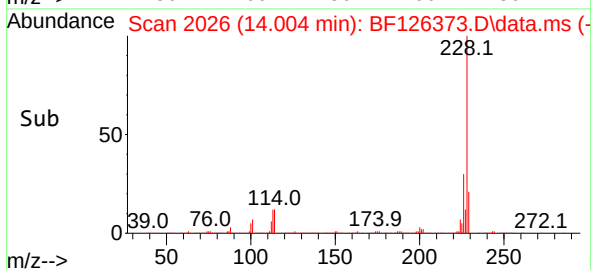
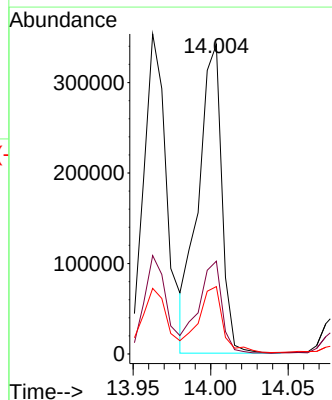
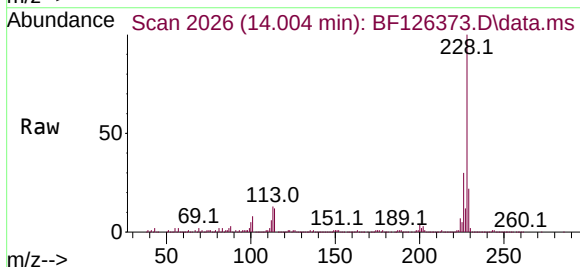
Instrument :
BNA_F
ClientSampleId :
ETGI-286

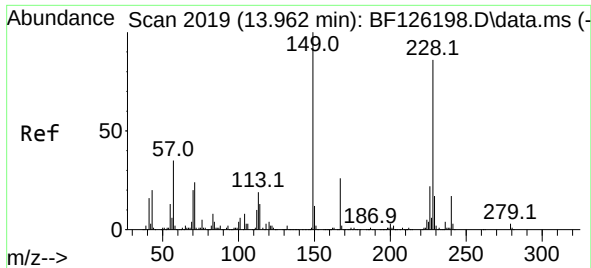
Tgt Ion:228 Resp: 373653
Ion Ratio Lower Upper
228 100
226 30.7 21.6 32.4
229 20.5 15.6 23.4



#83
Chrysene
Concen: 29.202 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:228 Resp: 361289
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 21.8 15.9 23.9

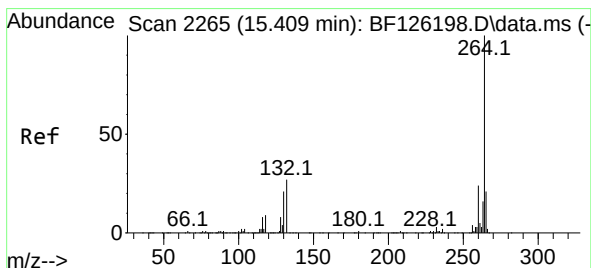
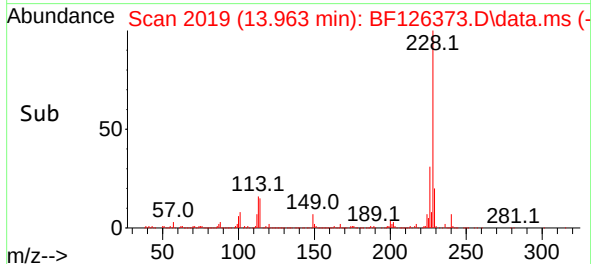
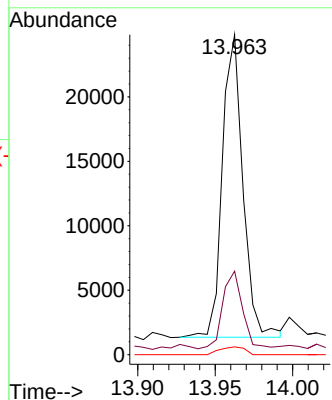
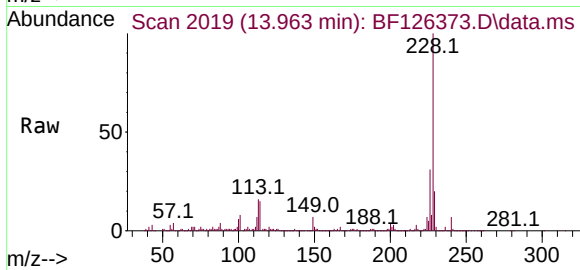




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.228 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

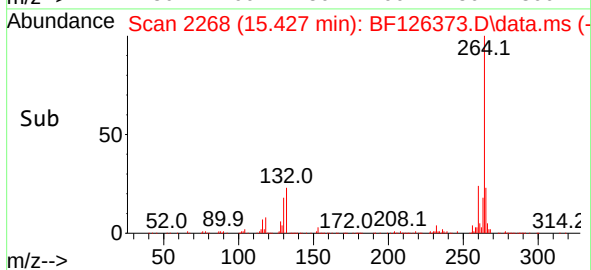
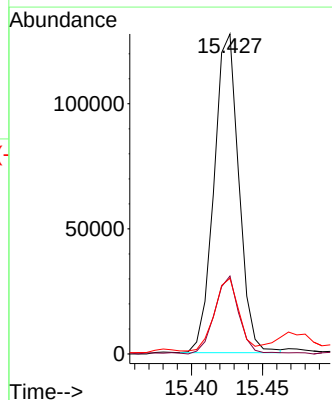
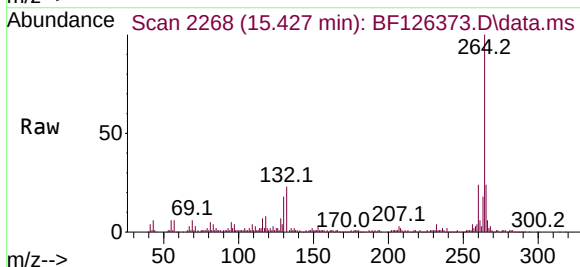
Instrument :
BNA_F
ClientSampleId :
ETGI-286

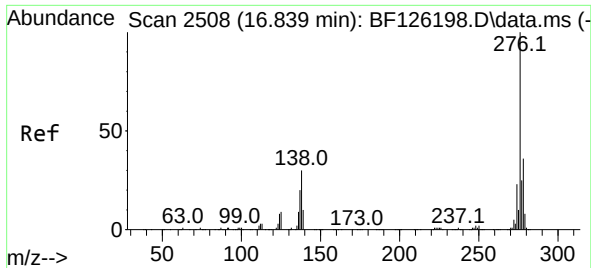
Tgt Ion:149 Resp: 21639
Ion Ratio Lower Upper
149 100
167 26.1 21.4 32.0
279 2.4 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:264 Resp: 155216
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 23.7 17.2 25.8

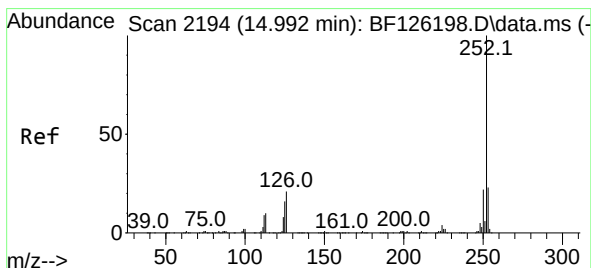
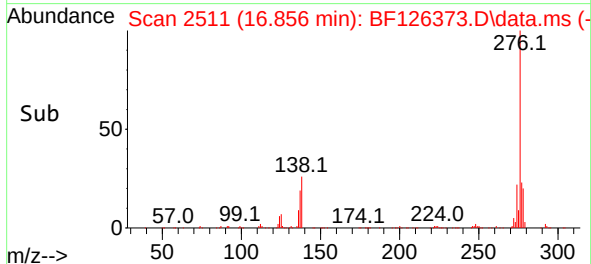
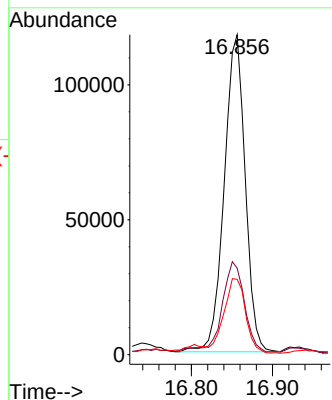
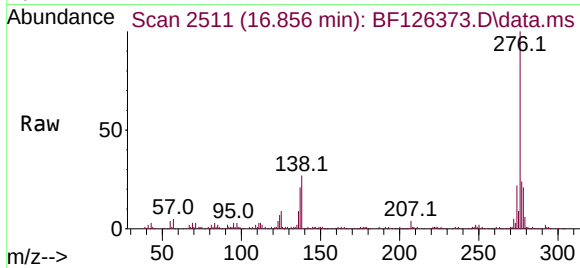




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 20.438 ng
 RT: 16.856 min Scan# 2116
 Delta R.T. -0.006 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

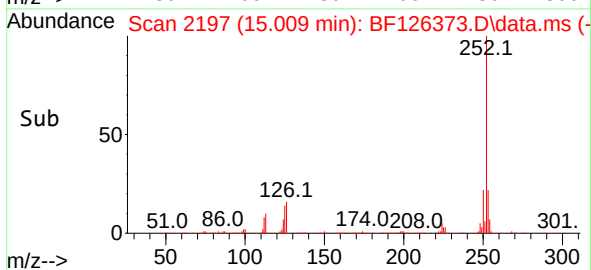
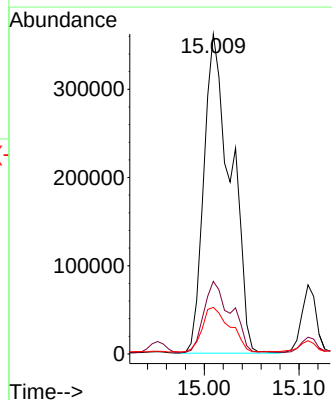
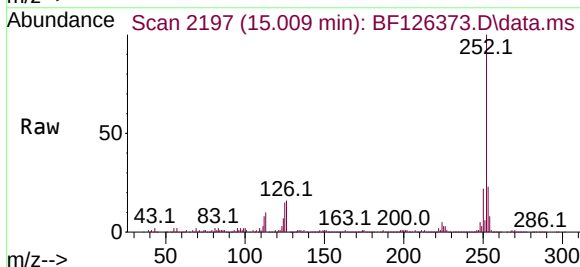
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-286

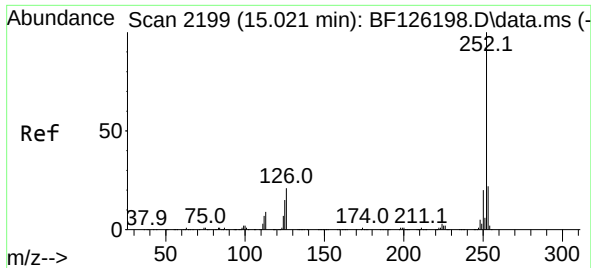
Tgt Ion:276 Resp: 211601
 Ion Ratio Lower Upper
 276 100
 138 31.3 24.1 36.1
 277 24.0 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 76.749 ng
 RT: 15.009 min Scan# 2197
 Delta R.T. 0.006 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

Tgt Ion:252 Resp: 715779
 Ion Ratio Lower Upper
 252 100
 253 22.7 16.8 25.2
 125 14.5 9.8 14.8

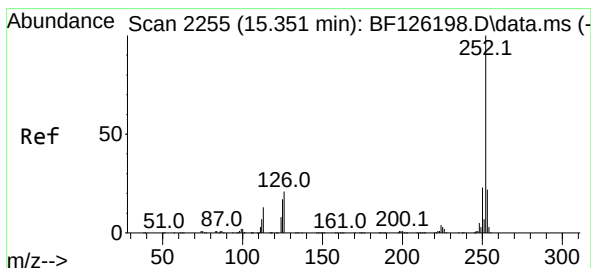
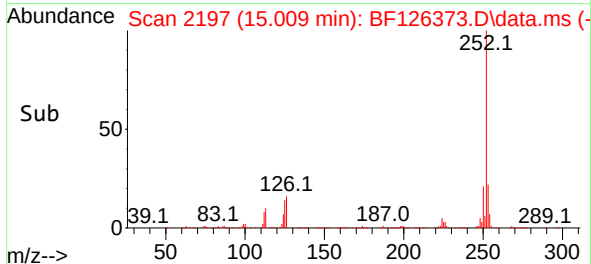
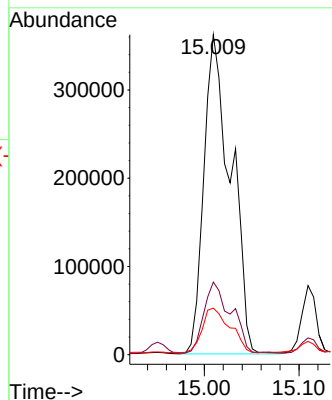
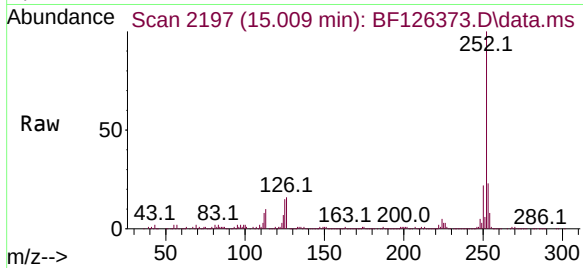




#89
Benzo(k)fluoranthene
Concen: 80.229 ng
RT: 15.009 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

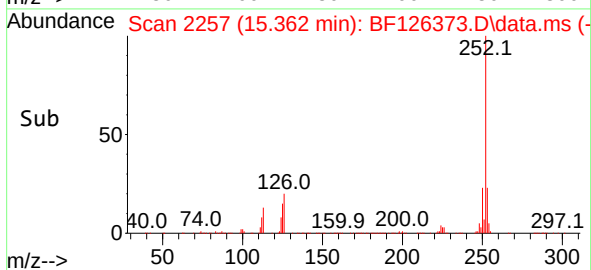
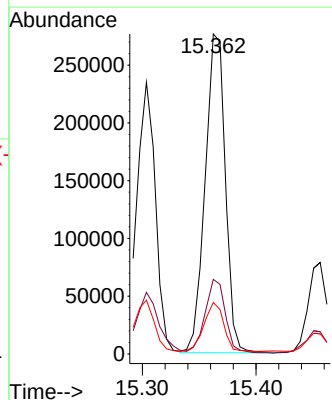
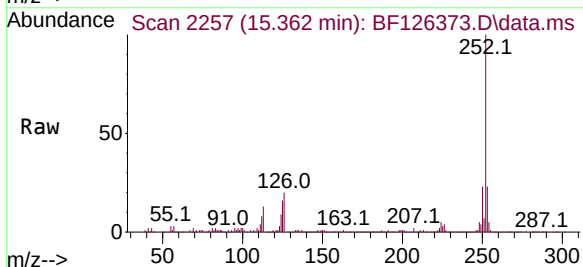
Instrument :
BNA_F
ClientSampleId :
ETGI-286

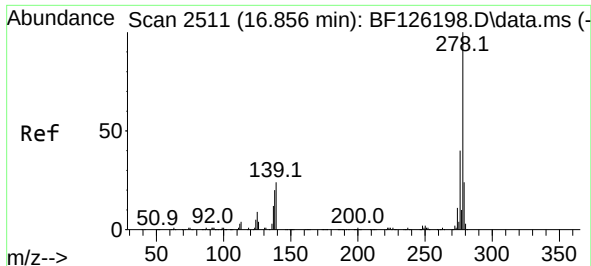
Tgt Ion:252 Resp: 715779
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 14.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 44.106 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BF126373.D
Acq: 28 Dec 2021 00:18

Tgt Ion:252 Resp: 341878
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 16.1 9.9 14.9#

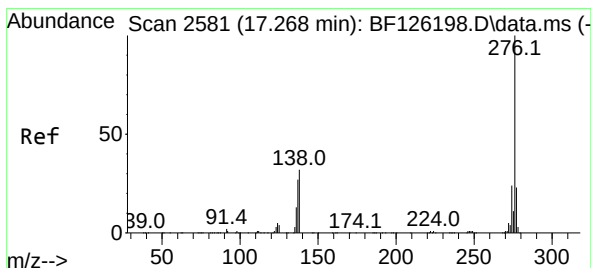
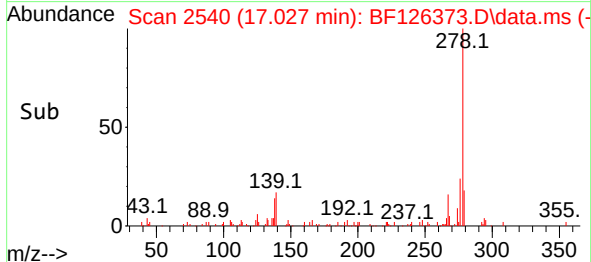
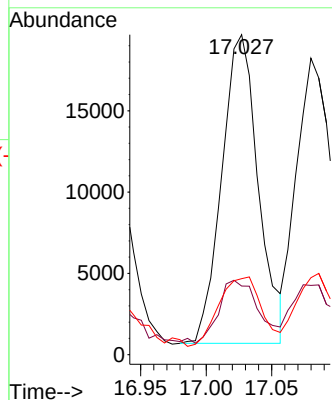
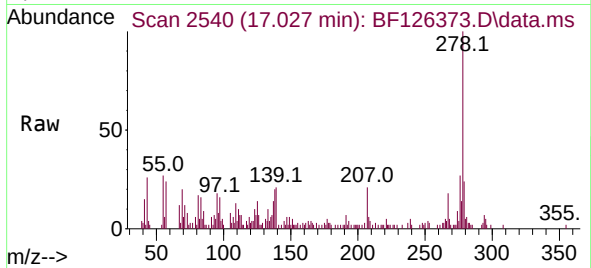




#91
 Dibenzo(a,h)anthracene
 Concen: 4.369 ng
 RT: 17.027 min Scan# 21
 Delta R.T. 0.147 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-286

Tgt Ion:278 Resp: 36771
 Ion Ratio Lower Upper
 278 100
 139 21.4 14.9 22.3
 279 23.7 19.7 29.5



#92
 Benzo(g,h,i)perylene
 Concen: 24.532 ng
 RT: 17.286 min Scan# 2584
 Delta R.T. -0.012 min
 Lab File: BF126373.D
 Acq: 28 Dec 2021 00:18

Tgt Ion:276 Resp: 213619
 Ion Ratio Lower Upper
 276 100
 277 23.7 22.0 33.0
 138 29.7 22.2 33.4

