

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072421\
 Data File : BF124752.D
 Acq On : 24 Jul 2021 17:39
 Operator : JU/CG
 Sample : M3128-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-358

Quant Time: Jul 25 04:29:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

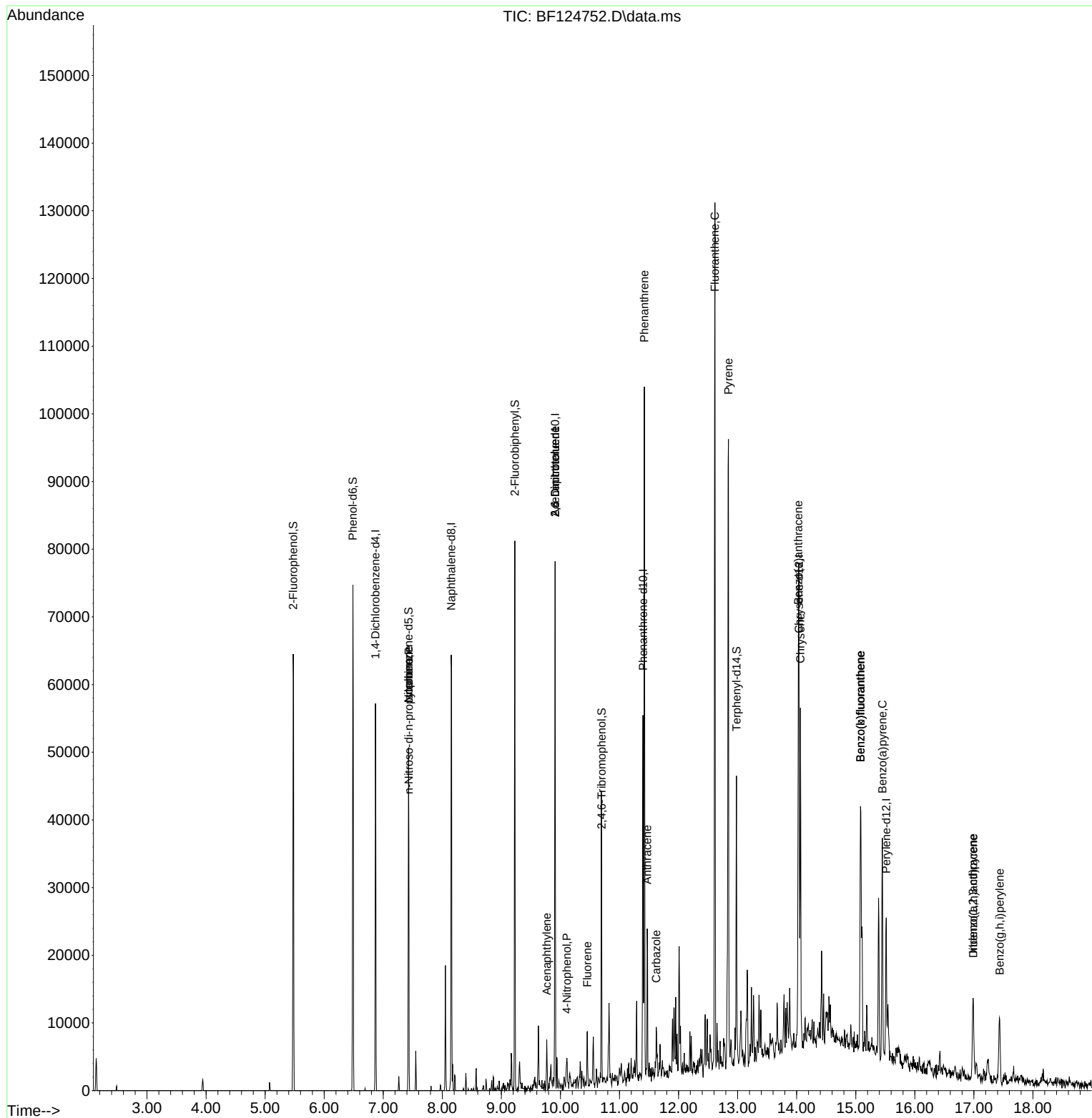
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	7985	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	29769	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	14383	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	19622	20.000	ng	0.00
76) Chrysene-d12	14.039	240	13133	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	10156	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	18182	38.554	ng	0.00
7) Phenol-d6	6.487	99	22164	37.488	ng	-0.01
23) Nitrobenzene-d5	7.428	82	13515	27.021	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	3799	30.763	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	21988	22.453	ng	0.00
79) Terphenyl-d14	12.980	244	13218	17.252	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	1710	5.416	ng	# 65
25) Isophorone	7.428	82	13514	15.280	ng	# 59
49) Acenaphthylene	9.769	152	3396	2.591	ng	96
51) 2,6-Dinitrotoluene	9.910	165	1837	8.396	ng	# 26
56) 4-Nitrophenol	10.110	139	664	3.653	ng	# 10
57) 2,4-Dinitrotoluene	9.910	165	1837	6.187	ng	# 18
58) Fluorene	10.457	166	2313	2.428	ng	89
71) Phenanthrene	11.422	178	34478	32.669	ng	97
72) Anthracene	11.469	178	9247	8.764	ng	99
73) Carbazole	11.622	167	3240	3.276	ng	96
75) Fluoranthene	12.616	202	46708	43.370	ng	98
78) Pyrene	12.845	202	40616	39.065	ng	98
81) Benzo(a)anthracene	14.027	228	21944	25.562	ng	94
83) Chrysene	14.063	228	17781	21.499	ng	93
87) Indeno(1,2,3-cd)pyrene	16.986	276	8606	14.678	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	29108	40.707	ng	98
89) Benzo(k)fluoranthene	15.080	252	29108	44.551	ng	# 97
90) Benzo(a)pyrene	15.451	252	15121	25.314	ng	98
91) Dibenzo(a,h)anthracene	16.992	278	2376	4.629	ng	# 87
92) Benzo(g,h,i)perylene	17.439	276	8280	17.011	ng	96

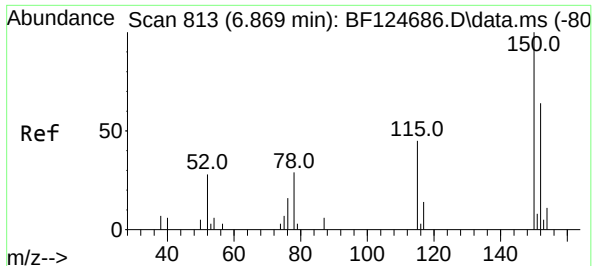
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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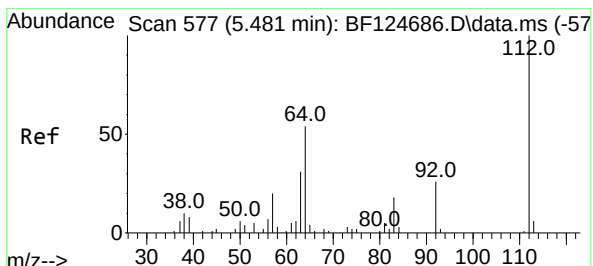
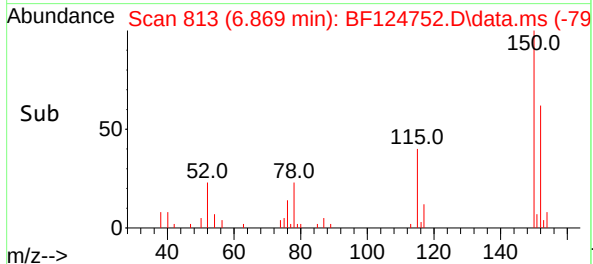
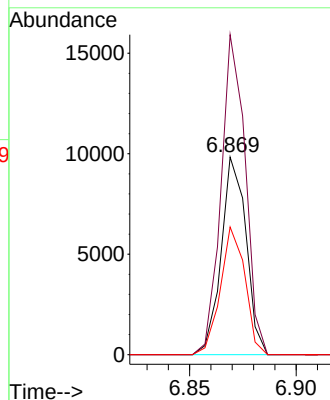
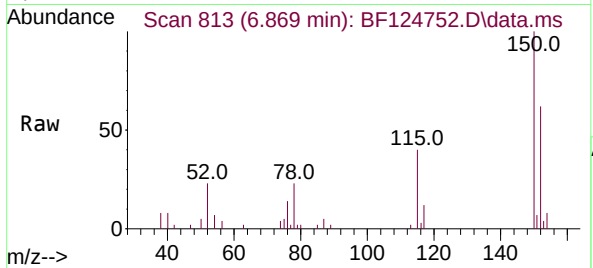




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

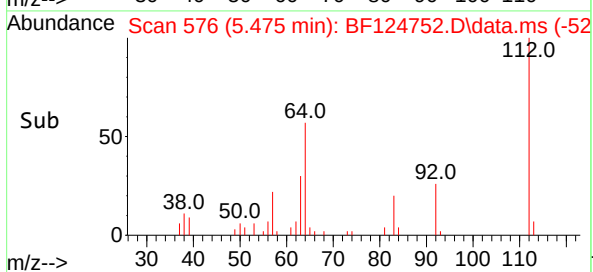
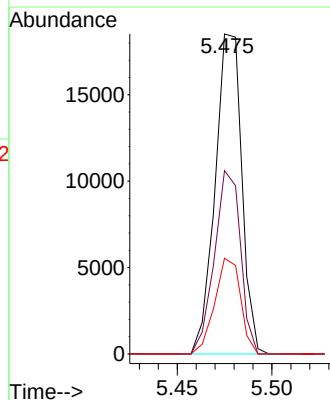
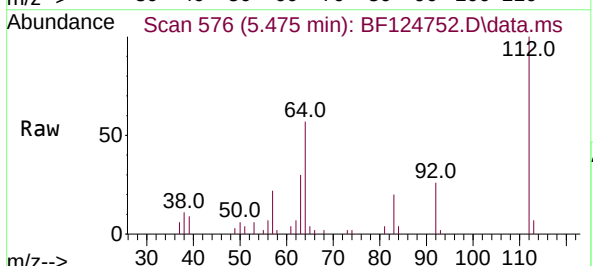
Instrument :
BNA_F
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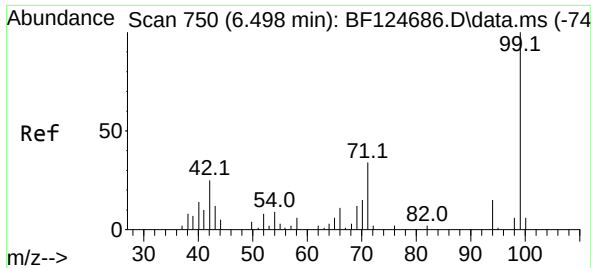
Tgt Ion:152 Resp: 7985
Ion Ratio Lower Upper
152 100
150 161.9 117.6 176.4
115 64.6 47.1 70.7



#5
2-Fluorophenol
Concen: 38.554 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:112 Resp: 18182
Ion Ratio Lower Upper
112 100
64 57.3 44.2 66.2
63 29.9 26.2 39.2

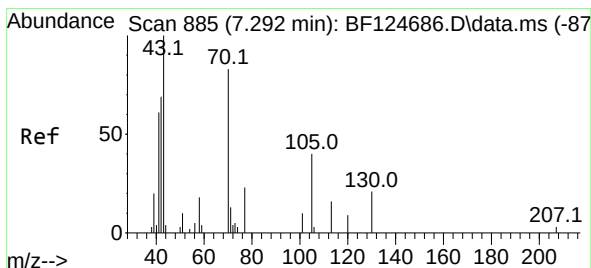
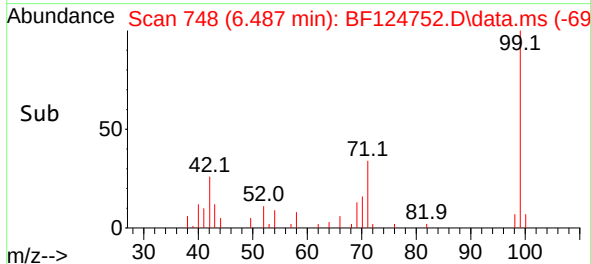
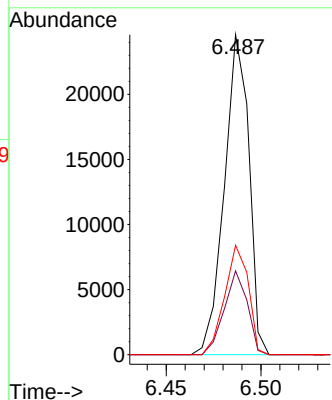
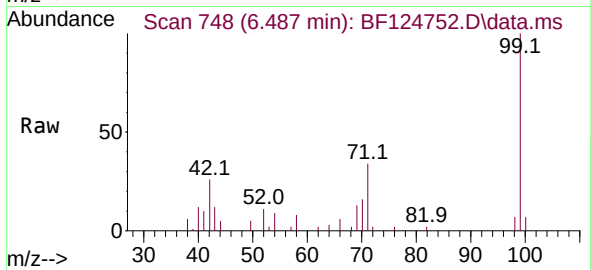




#7
Phenol-d6
Concen: 37.488 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

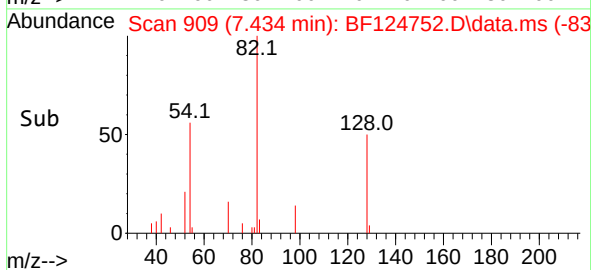
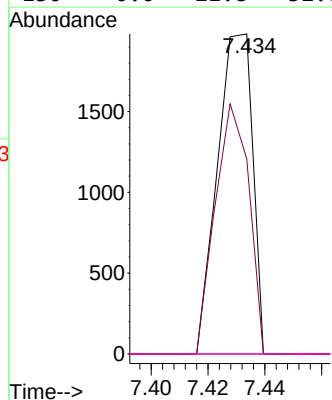
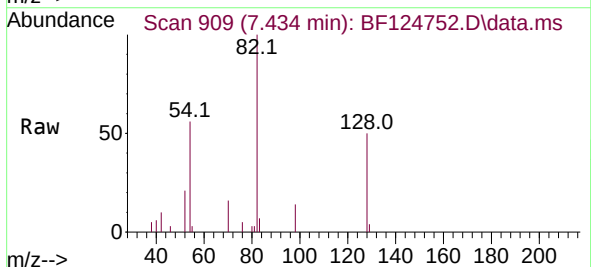
Instrument :
BNA_F
ClientSampleId :
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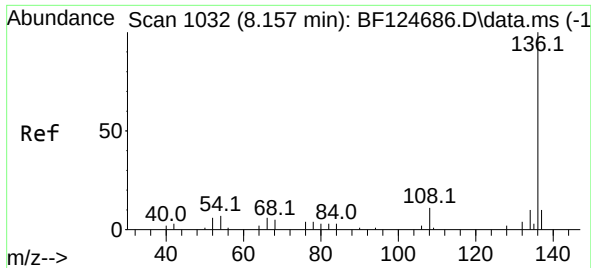
Tgt Ion:	99	Resp:	22164
Ion	Ratio	Lower	Upper
99	100		
42	26.2	23.5	35.3
71	34.2	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.416 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:	70	Resp:	1710
Ion	Ratio	Lower	Upper
70	100		
42	61.0	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

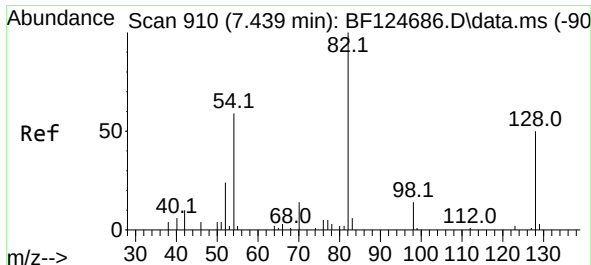
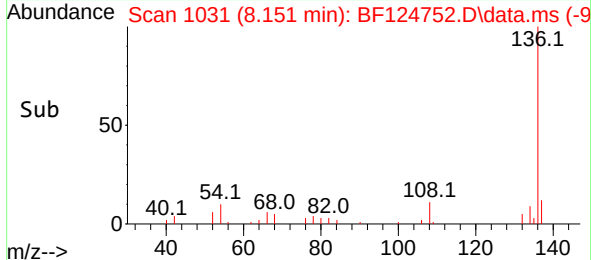
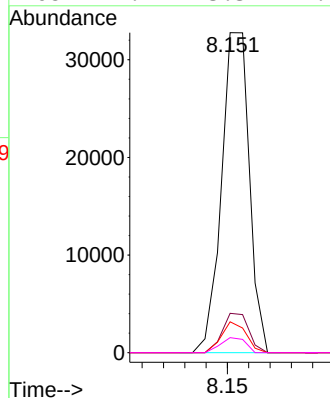
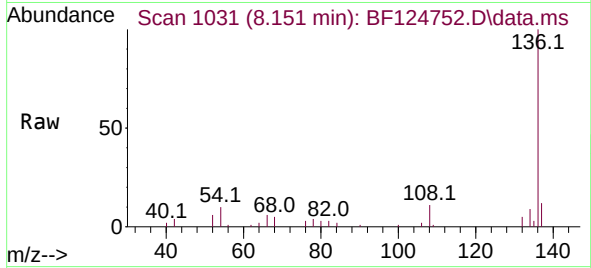




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

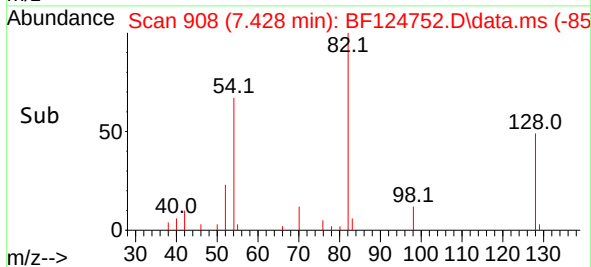
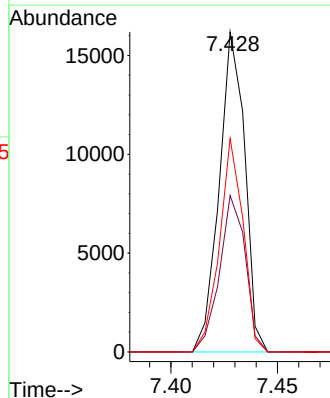
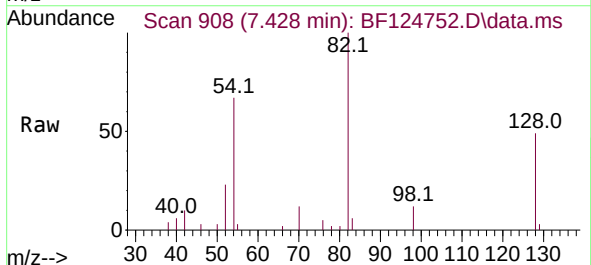
Instrument :
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ClientSampleId :
ETGI-358

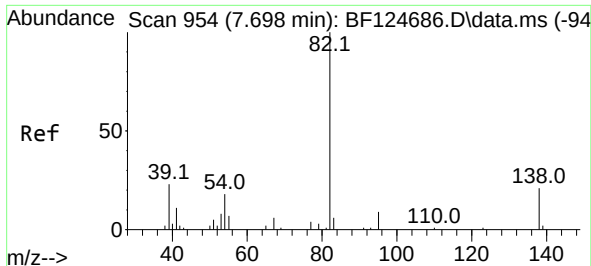
Tgt Ion:	136	Resp:	29769
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.6
54	9.6	6.4	9.6#
68	4.7	3.3	4.9



#23
Nitrobenzene-d5
Concen: 27.021 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:	82	Resp:	13515
Ion	Ratio	Lower	Upper
82	100		
128	48.9	40.6	60.8
54	66.7	49.6	74.4

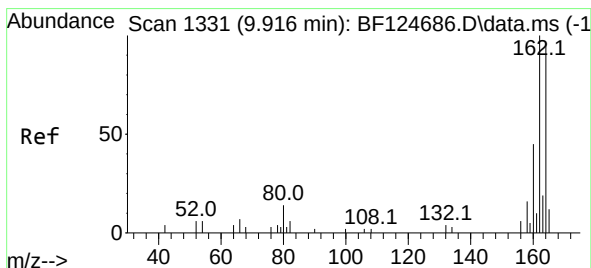
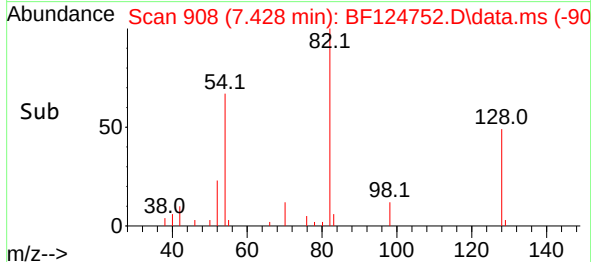
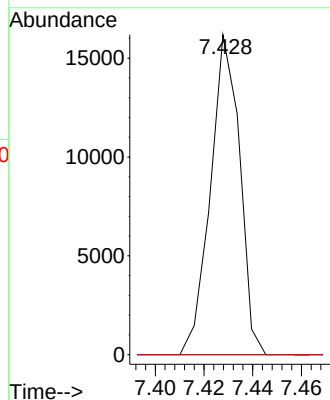
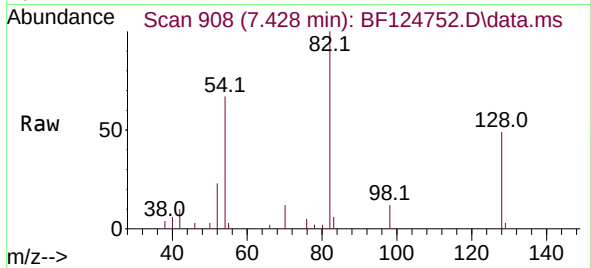




#25
Isophorone
Concen: 15.280 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.271 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

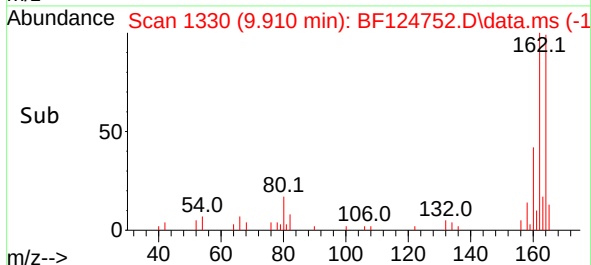
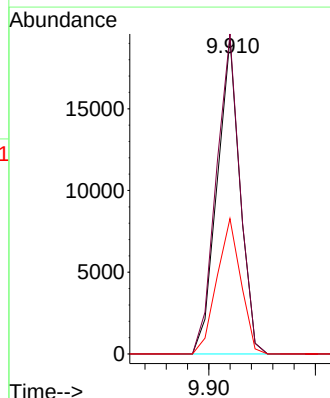
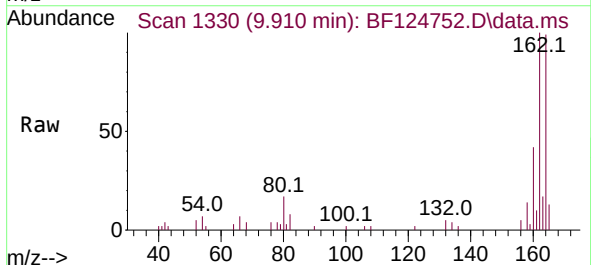
Instrument :
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ClientSampleId :
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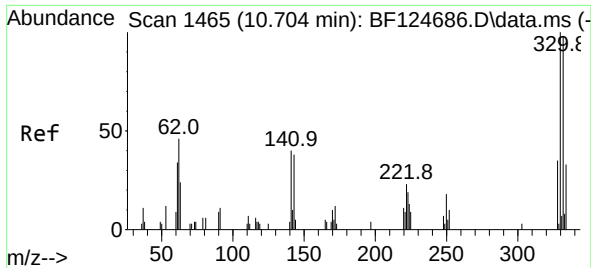
Tgt Ion: 82 Resp: 13514
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

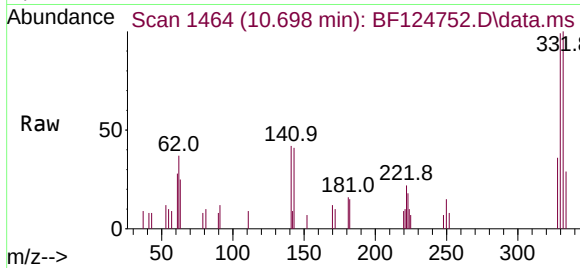
Tgt Ion:164 Resp: 14383
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 42.8 38.0 57.0



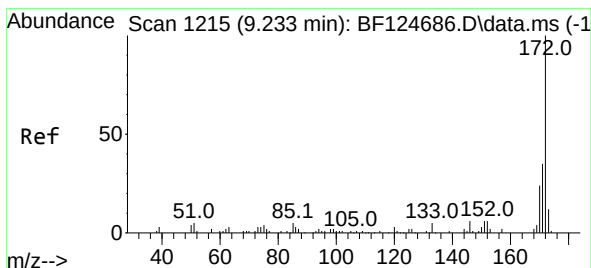
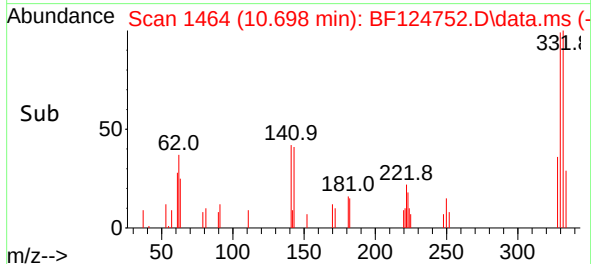
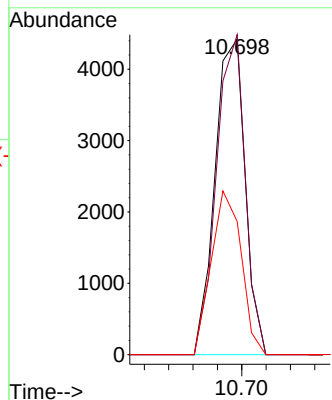


#42
2,4,6-Tribromophenol
Concen: 30.763 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Instrument :
BNA_F
ClientSampleId :
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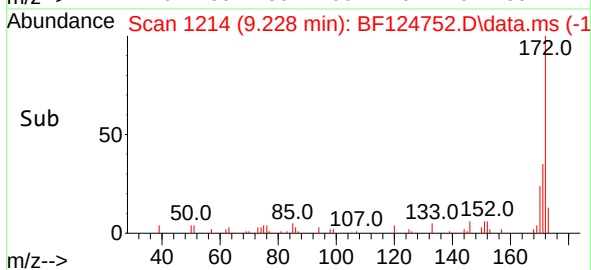
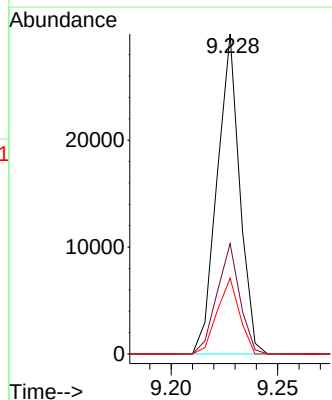
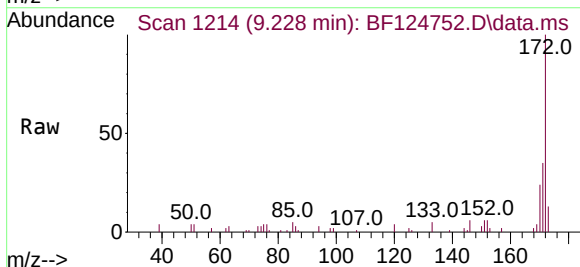


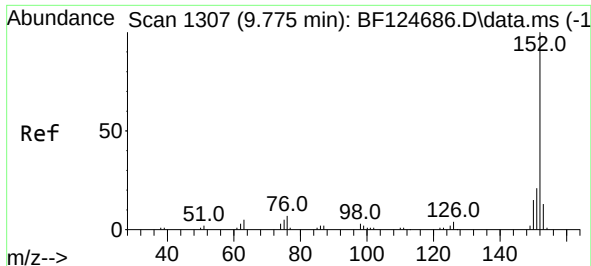
Tgt Ion: 330 Resp: 3799
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 51.6 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 22.453 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion: 172 Resp: 21988
Ion Ratio Lower Upper
172 100
171 34.5 26.5 39.7
170 23.7 18.8 28.2





#49

Acenaphthylene

Concen: 2.591 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF124752.D

Acq: 24 Jul 2021 17:39

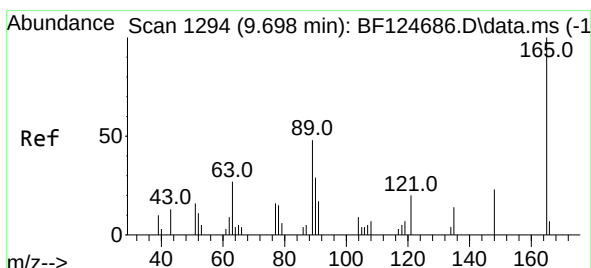
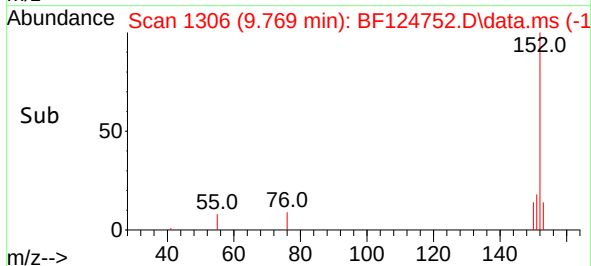
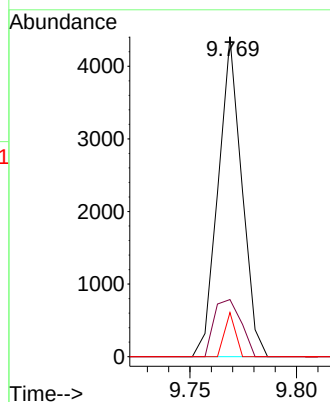
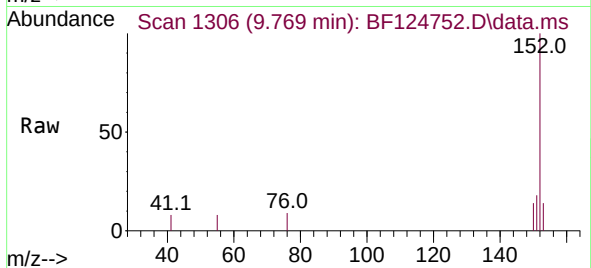
Tgt Ion:152	Resp:	3396
Ion Ratio	Lower	Upper
152	100	
151	17.9	15.7 23.5
153	13.8	9.8 14.8

Instrument :

BNA_F

ClientSampleId :

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#51

2,6-Dinitrotoluene

Concen: 8.396 ng

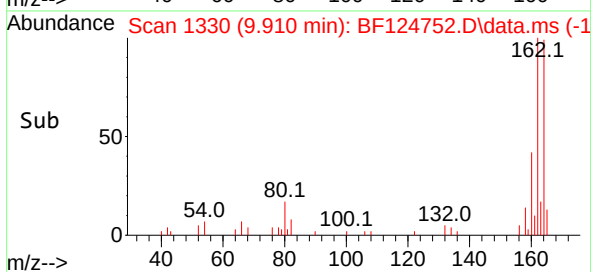
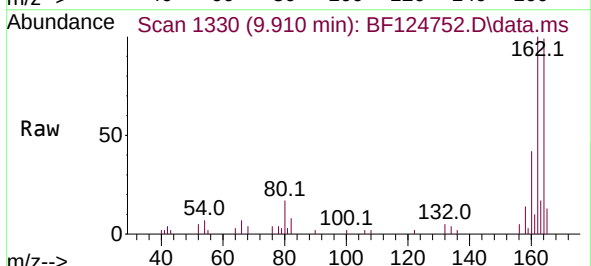
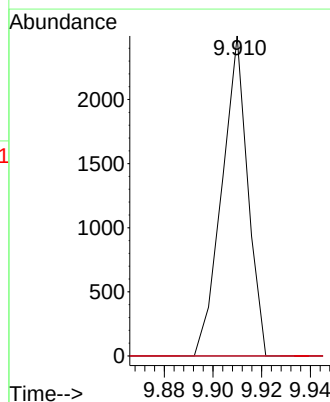
RT: 9.910 min Scan# 1330

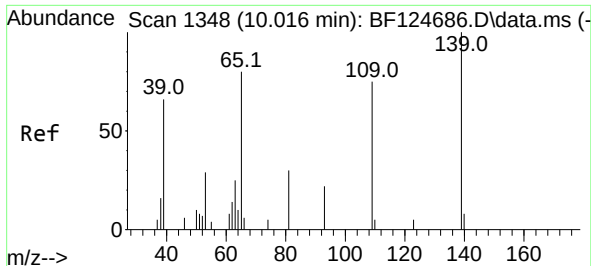
Delta R.T. 0.212 min

Lab File: BF124752.D

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Tgt Ion:165	Resp:	1837
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.6 63.8#
89	0.0	40.6 60.8#

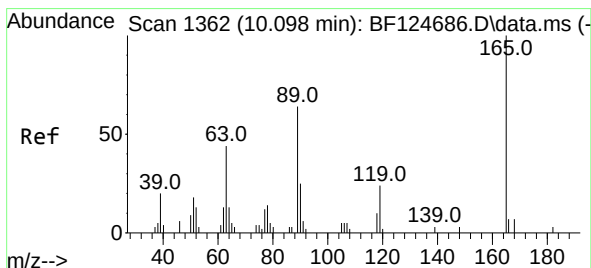
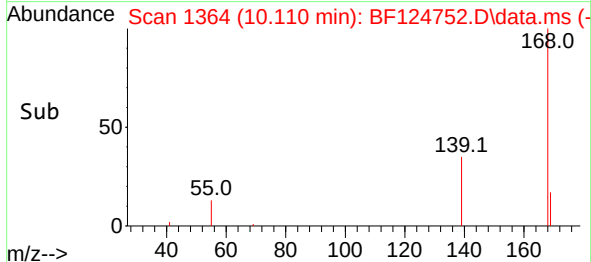
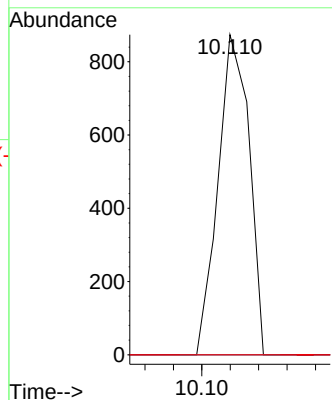
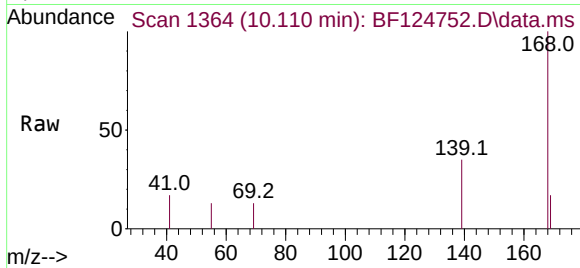




#56
4-Nitrophenol
Concen: 3.653 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.094 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

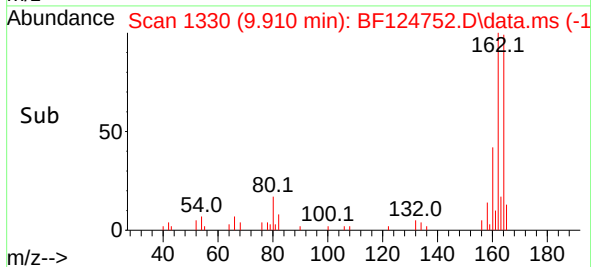
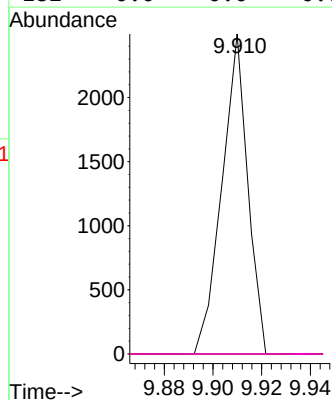
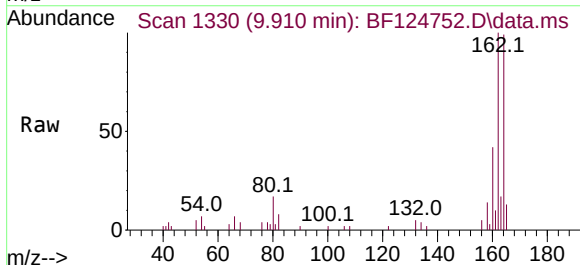
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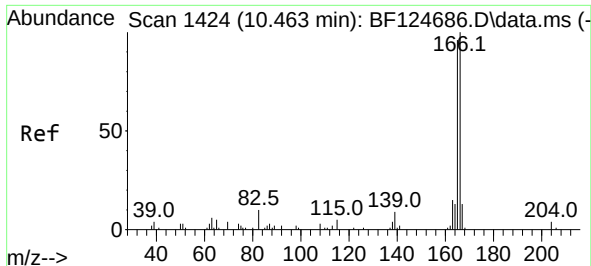
Tgt Ion:139 Resp: 664
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 6.187 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:165 Resp: 1837
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

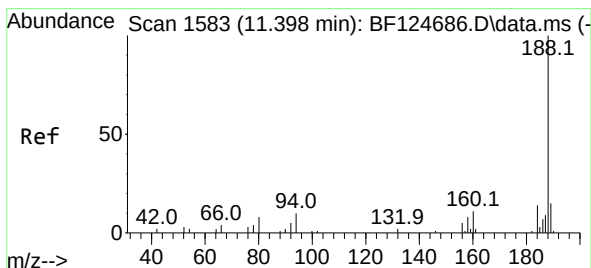
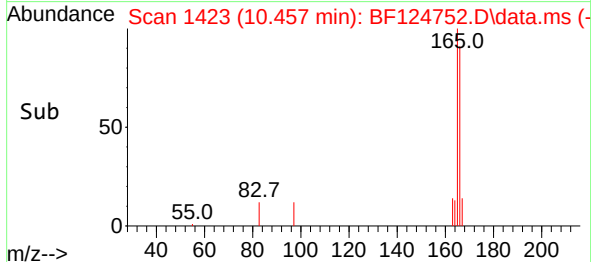
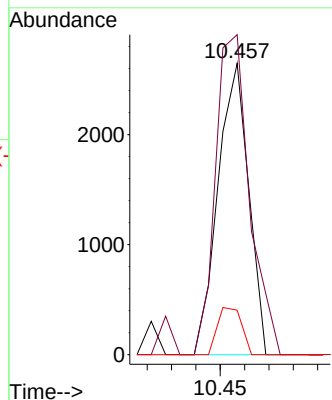
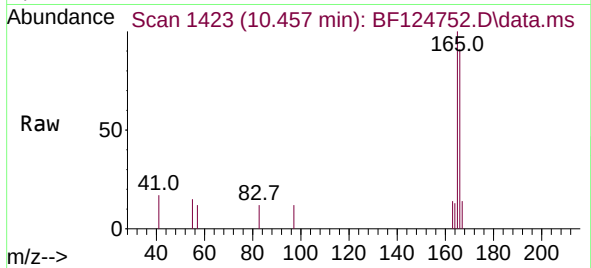




#58
Fluorene
Concen: 2.428 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

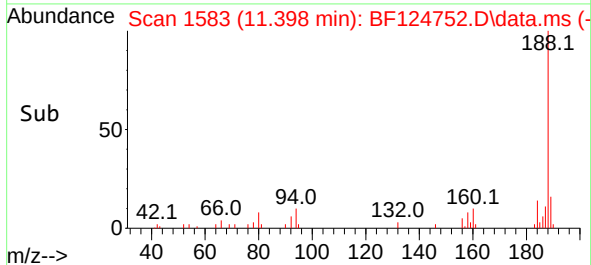
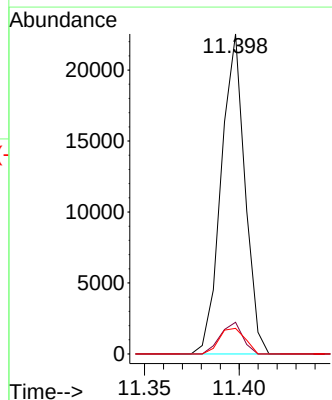
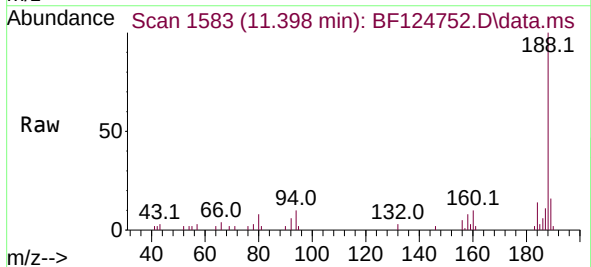
Instrument :
BNA_F
ClientSampleId :
ETGI-358

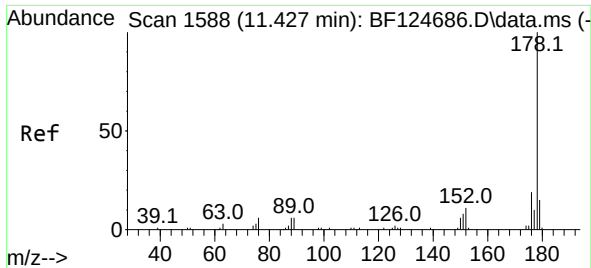
Tgt Ion:166 Resp: 2313
Ion Ratio Lower Upper
166 100
165 109.8 78.1 117.1
167 15.3 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:188 Resp: 19622
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 8.0 7.5 11.3

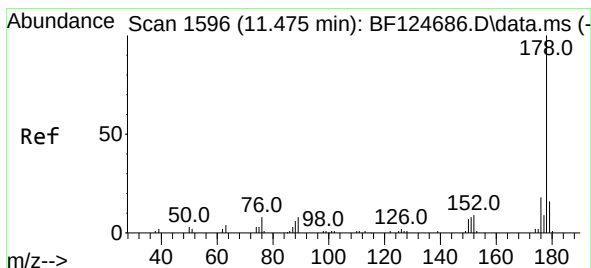
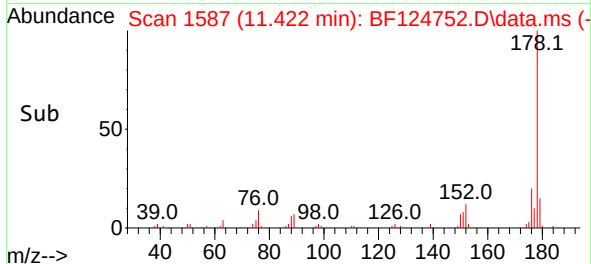
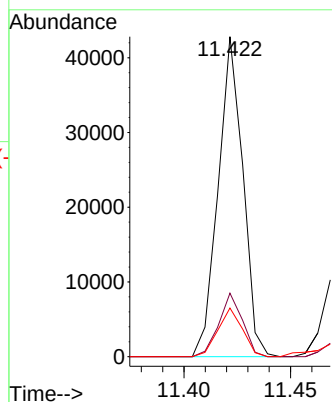
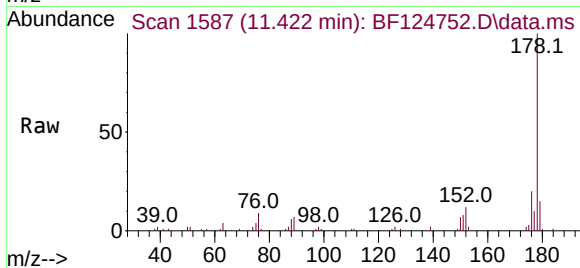




#71
Phenanthrene
Concen: 32.669 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

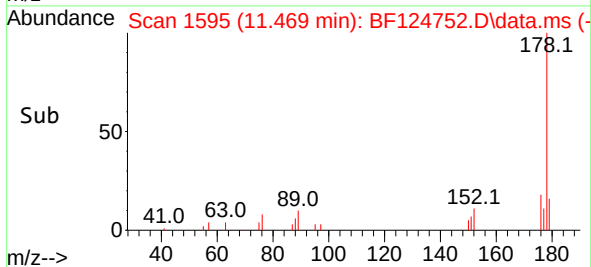
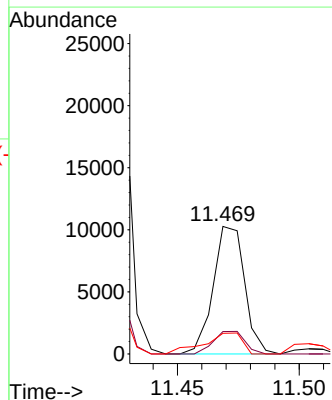
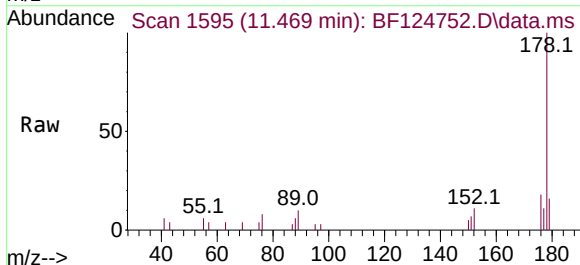
Instrument :
BNA_F
ClientSampleId :
ETGI-358

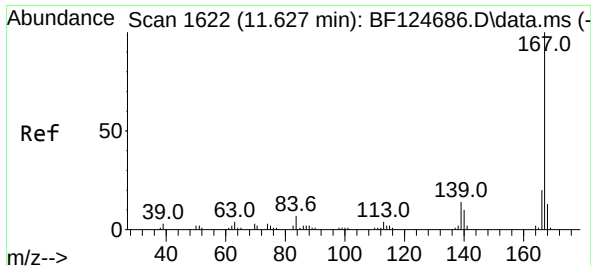
Tgt Ion:178 Resp: 34478
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.2 11.5 17.3



#72
Anthracene
Concen: 8.764 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

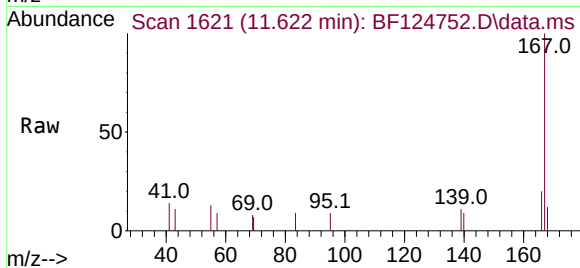
Tgt Ion:178 Resp: 9247
Ion Ratio Lower Upper
178 100
176 17.5 14.3 21.5
179 16.2 12.2 18.4



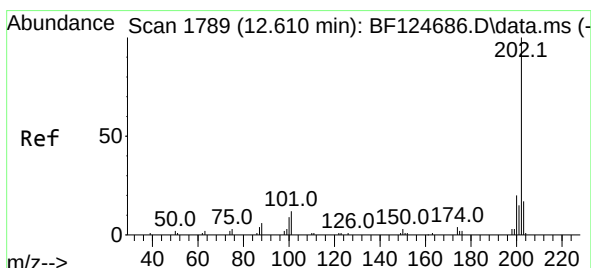
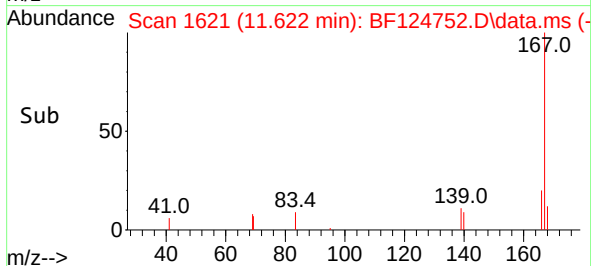
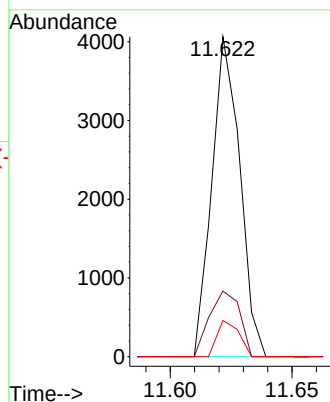


#73
 Carbazole
 Concen: 3.276 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-358

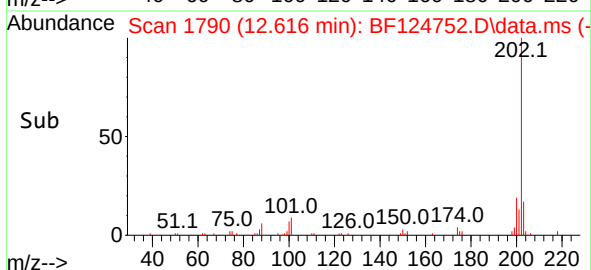
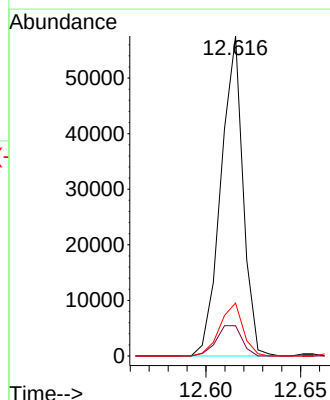
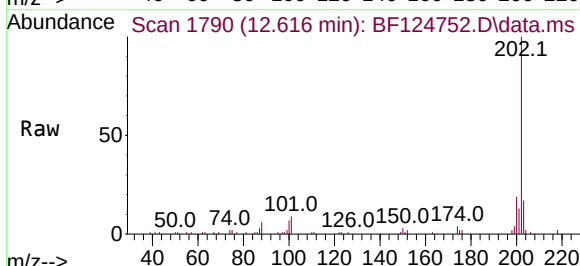


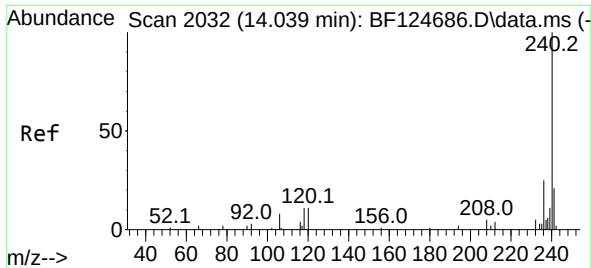
Tgt Ion:	167	Resp:	3240
Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.4	26.0
139	11.3	11.0	16.4



#75
 Fluoranthene
 Concen: 43.370 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

Tgt Ion:	202	Resp:	46708
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.7
203	16.6	0.0	36.3

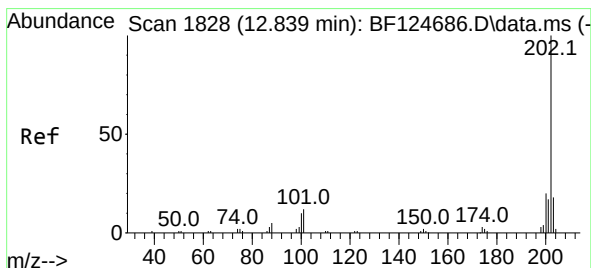
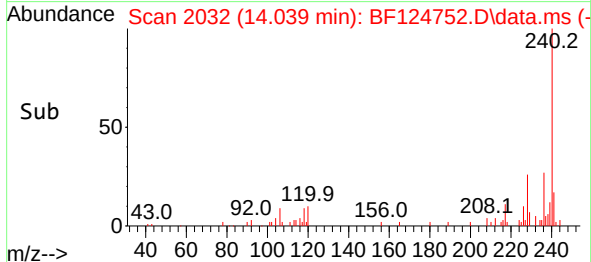
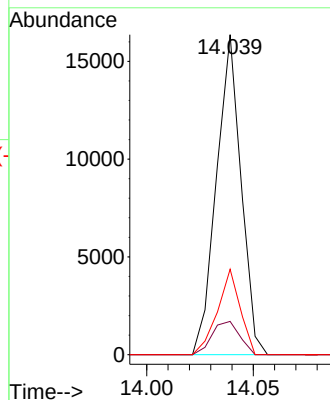
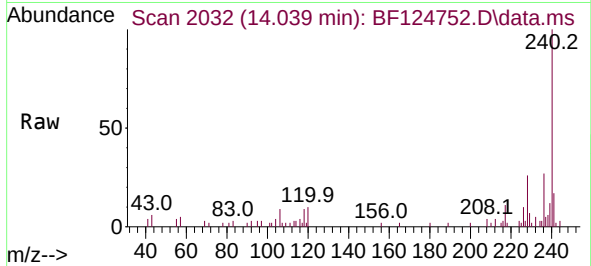




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

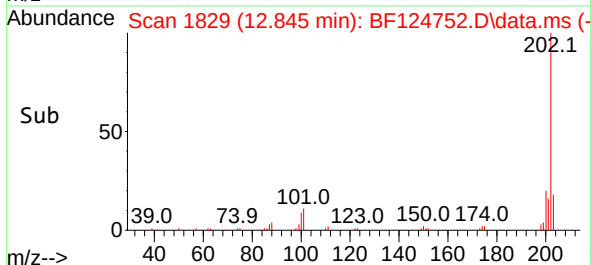
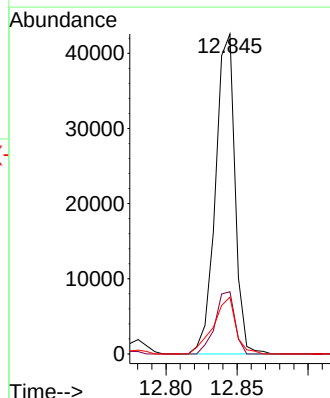
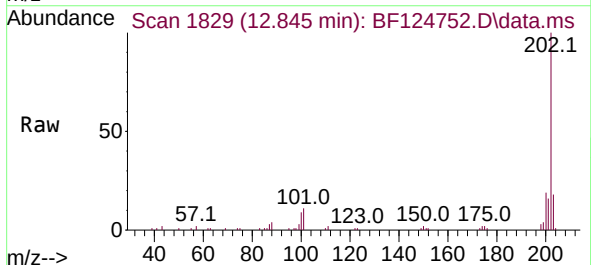
Instrument :
BNA_F
ClientSampleId :
ETGI-358

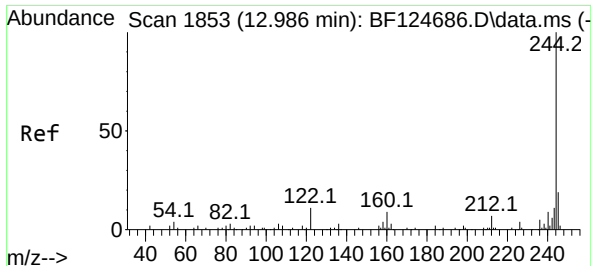
Tgt Ion:240 Resp: 13133
Ion Ratio Lower Upper
240 100
120 10.4 10.8 16.2#
236 26.7 21.6 32.4



#78
Pyrene
Concen: 39.065 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:202 Resp: 40616
Ion Ratio Lower Upper
202 100
200 19.4 15.3 22.9
203 17.7 13.4 20.0

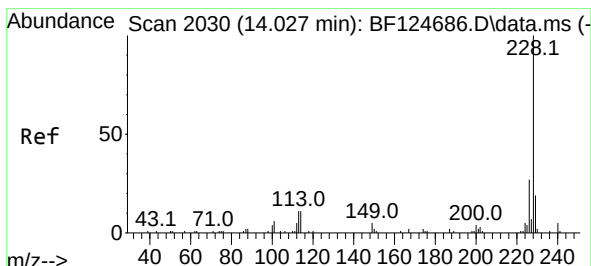
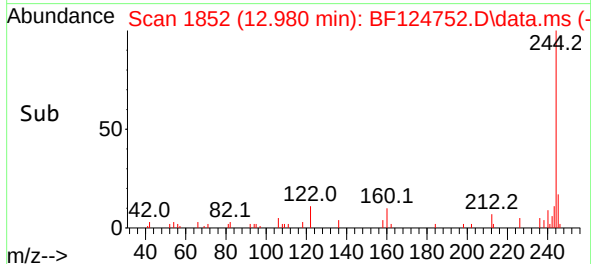
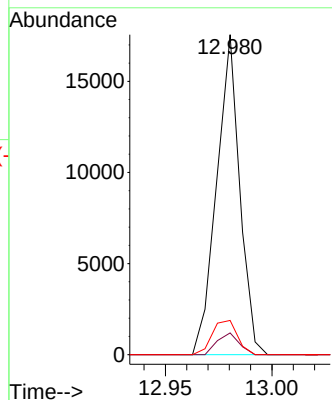
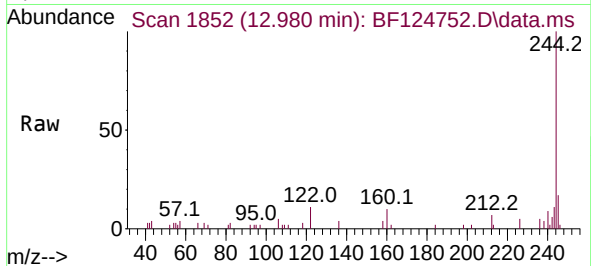




#79
 Terphenyl-d14
 Concen: 17.252 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

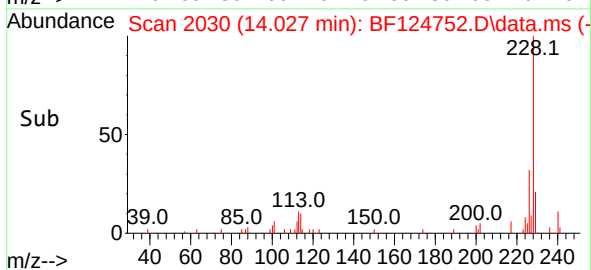
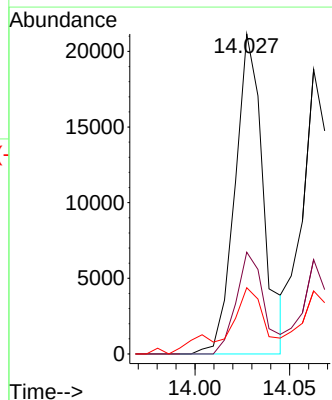
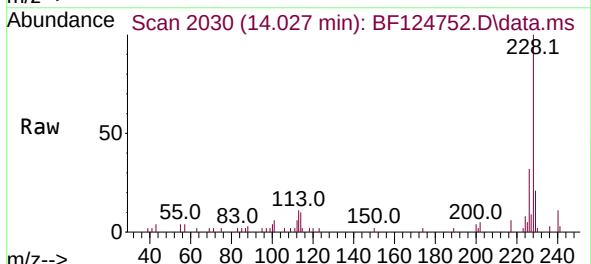
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-358

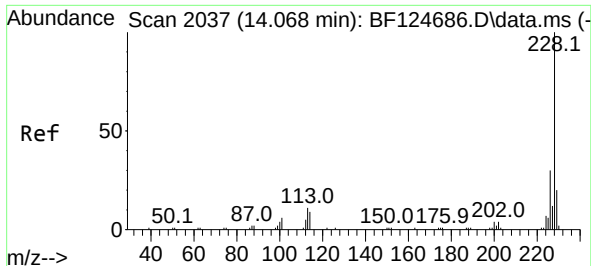
Tgt Ion:244 Resp: 13218
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 25.562 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

Tgt Ion:228 Resp: 21944
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.6 32.4
 229 20.7 15.6 23.4

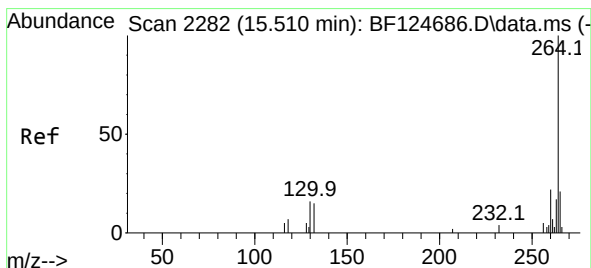
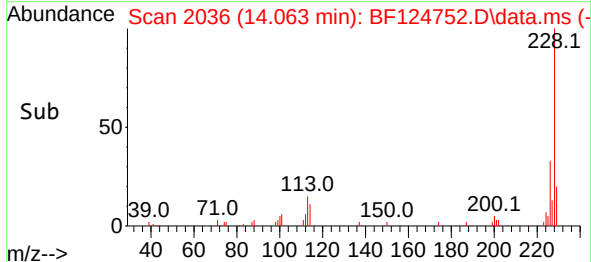
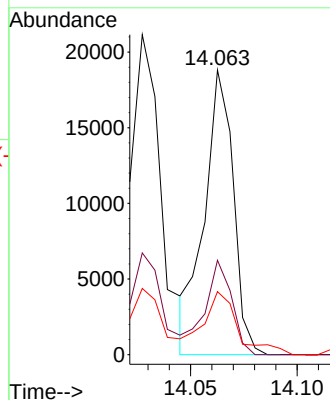
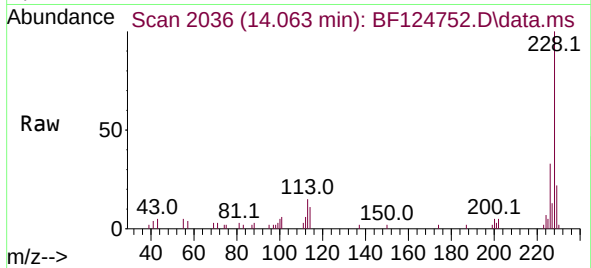




#83
Chrysene
Concen: 21.499 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

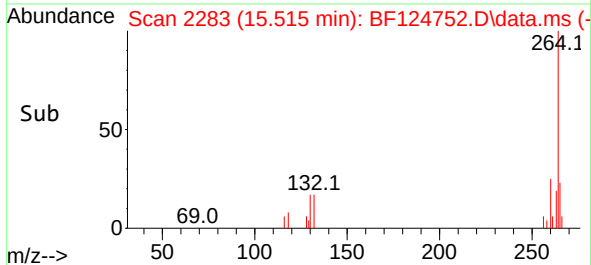
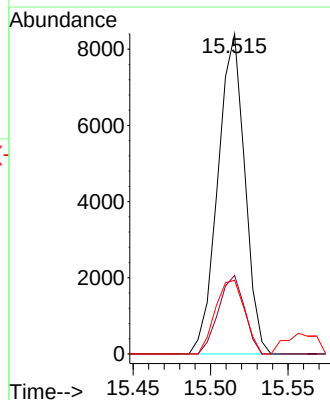
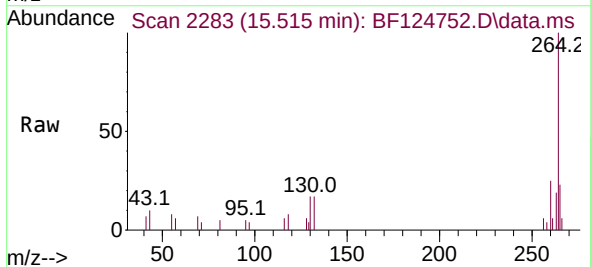
Instrument :
BNA_F
ClientSampled :
ETGI-358

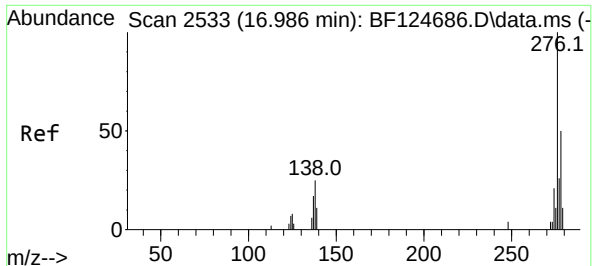
Tgt Ion:228	Resp:	17781
Ion Ratio	Lower	Upper
228	100	
226	33.2	22.6 34.0
229	22.2	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:264	Resp:	10156
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.6 29.4
265	23.0	17.2 25.8

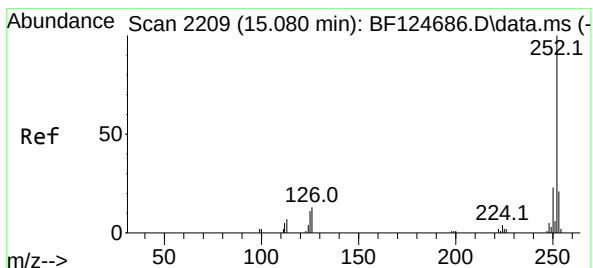
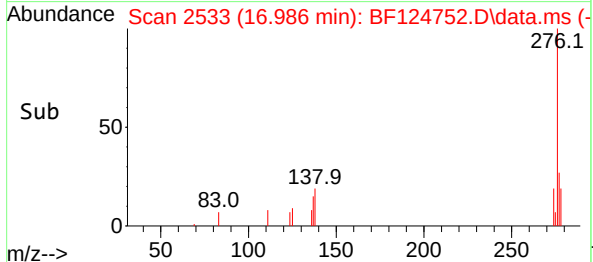
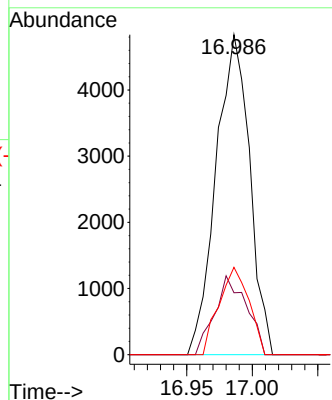
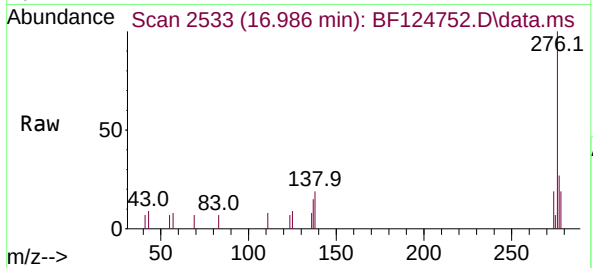




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.678 ng
 RT: 16.986 min Scan# 2533
 Delta R.T. 0.000 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

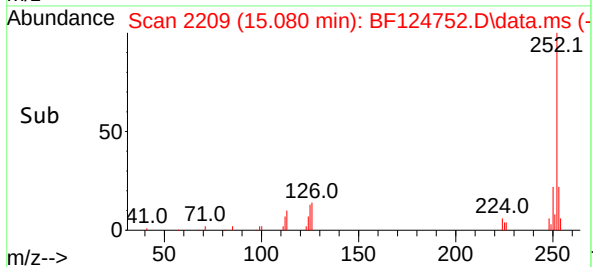
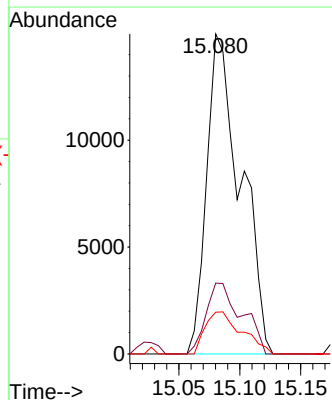
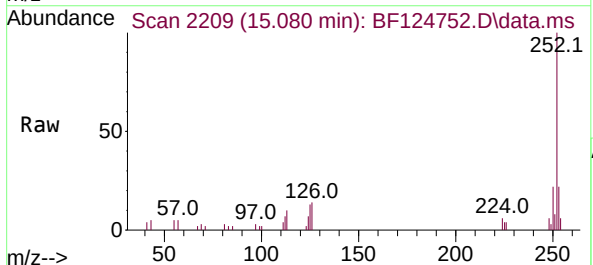
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-358

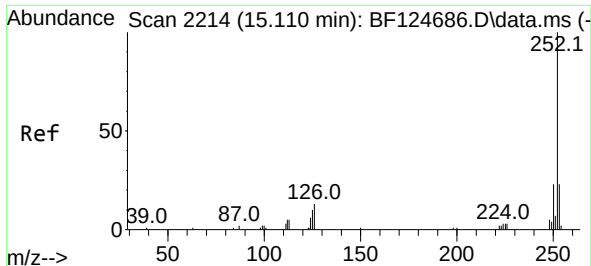
Tgt Ion:	276	Resp:	8606
Ion Ratio	Lower	Upper	
276	100		
138	23.4	24.1	36.1#
277	24.4	18.8	28.2



#88
 Benzo(b)fluoranthene
 Concen: 40.707 ng
 RT: 15.080 min Scan# 2209
 Delta R.T. 0.000 min
 Lab File: BF124752.D
 Acq: 24 Jul 2021 17:39

Tgt Ion:	252	Resp:	29108
Ion Ratio	Lower	Upper	
252	100		
253	22.1	16.8	25.2
125	13.1	9.8	14.8





#89

Benzo(k)fluoranthene

Concen: 44.551 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.029 min

Lab File: BF124752.D

Acq: 24 Jul 2021 17:39

Tgt Ion:252 Resp: 29108

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

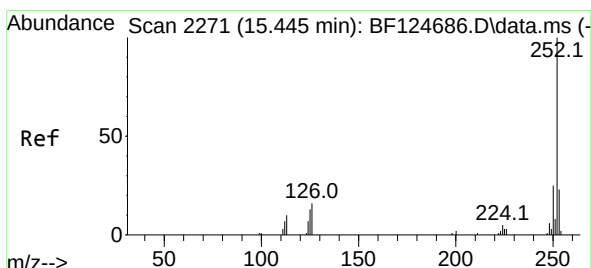
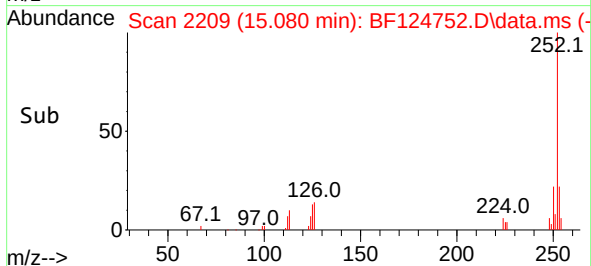
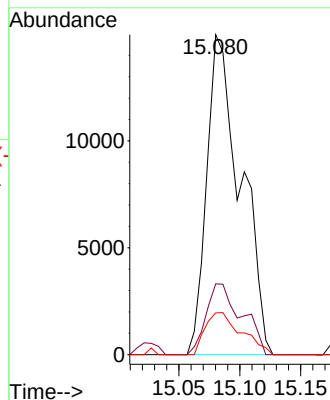
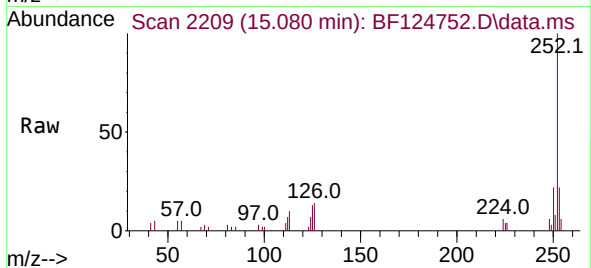
125 13.1 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

ETGI-358



#90

Benzo(a)pyrene

Concen: 25.314 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF124752.D

Acq: 24 Jul 2021 17:39

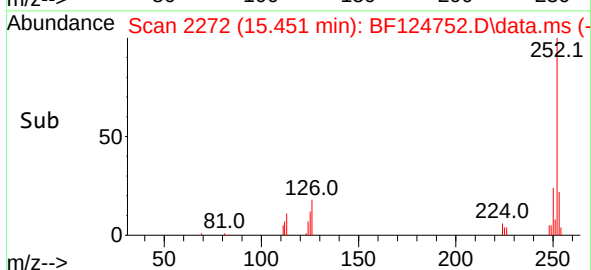
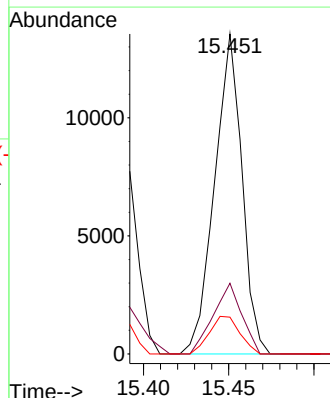
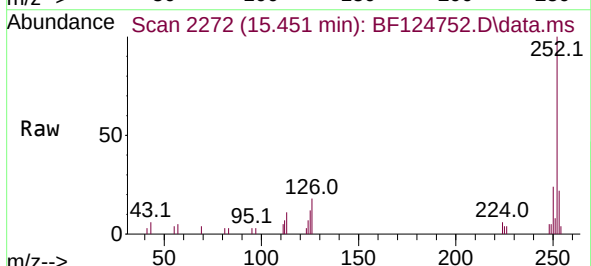
Tgt Ion:252 Resp: 15121

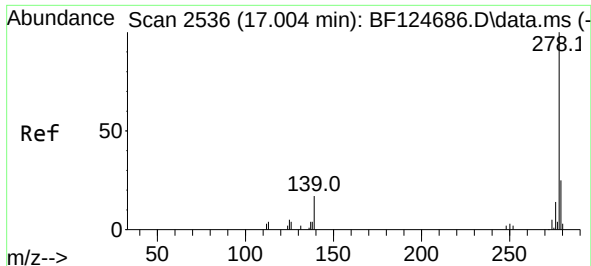
Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

125 11.5 9.9 14.9

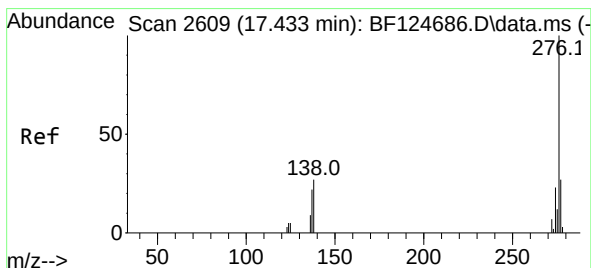
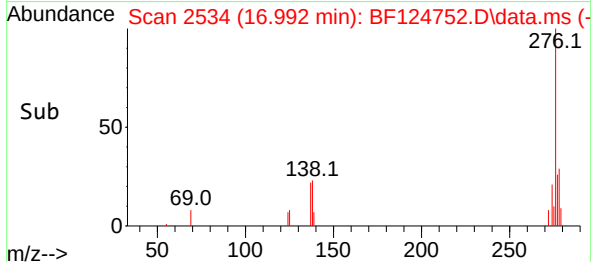
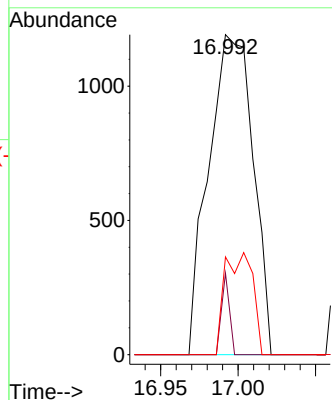
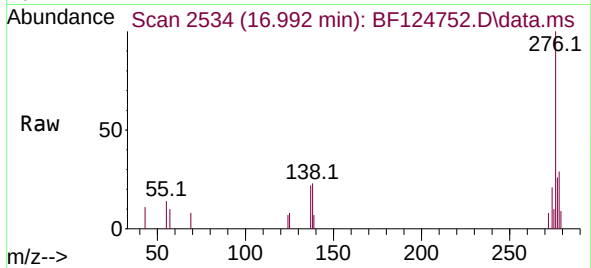




#91
Dibenzo(a,h)anthracene
Concen: 4.629 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Instrument :
BNA_F
ClientSampleId :
ETGI-358

Tgt Ion:278 Resp: 2376
Ion Ratio Lower Upper
278 100
139 25.4 14.9 22.3#
279 30.5 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 17.011 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124752.D
Acq: 24 Jul 2021 17:39

Tgt Ion:276 Resp: 8280
Ion Ratio Lower Upper
276 100
277 26.8 22.0 33.0
138 24.9 22.2 33.4

