

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135069.D
 Acq On : 01 Sep 2023 11:27
 Operator : CG\JU
 Sample : 04219-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-350

Quant Time: Sep 01 12:03:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

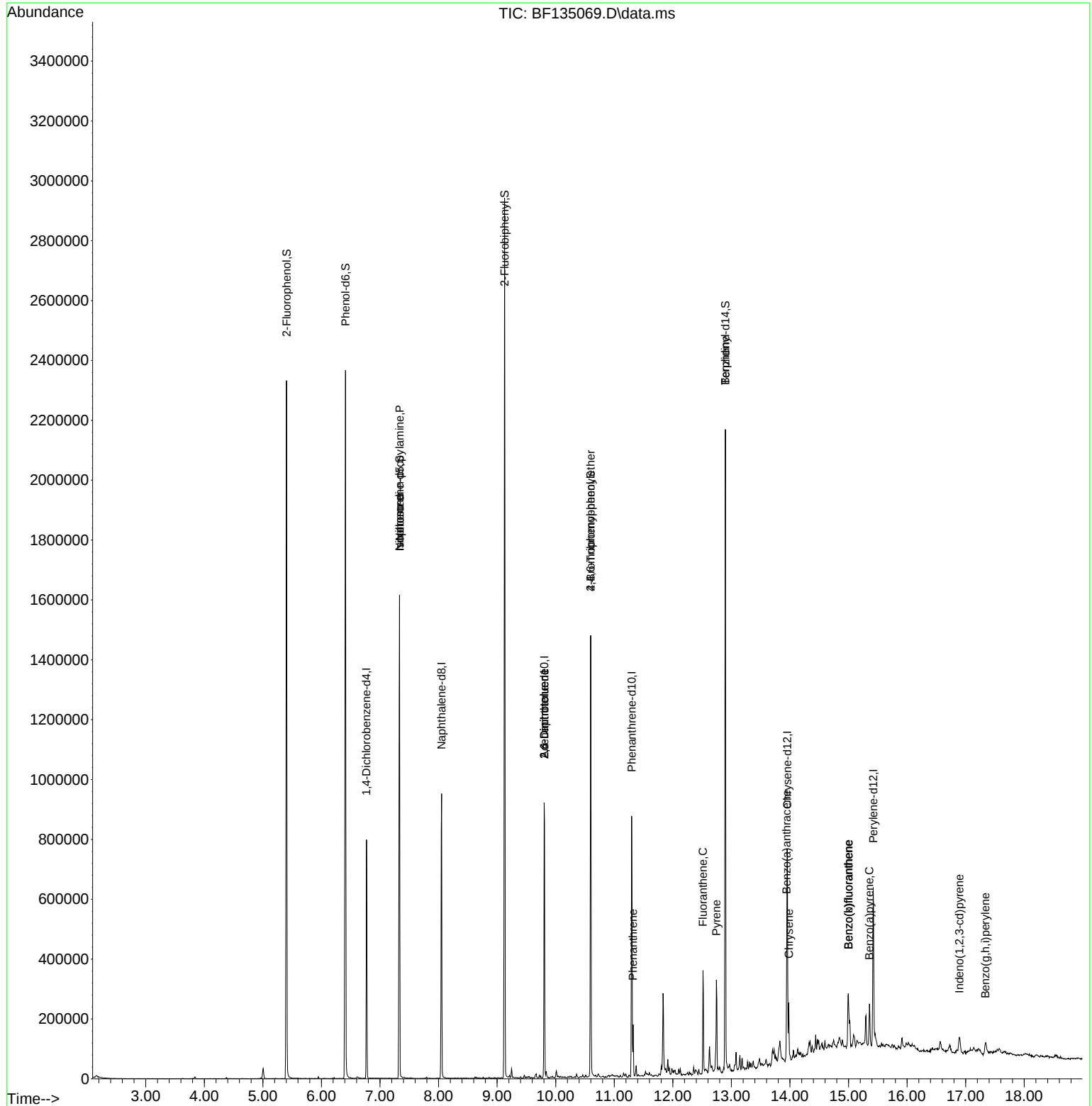
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	106175	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	418365	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	190509	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	298975	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	219156	20.000	ng	0.00
86) Perylene-d12	15.421	264	239276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	590977	85.974	ng	0.00
7) Phenol-d6	6.410	99	771360	90.030	ng	0.00
23) Nitrobenzene-d5	7.333	82	496755	66.707	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	167935	83.099	ng	-0.01
45) 2-Fluorobiphenyl	9.127	172	878268	75.058	ng	-0.01
79) Terphenyl-d14	12.898	244	709572	52.837	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.333	70	67759	13.314	ng	# 76
25) Isophorone	7.333	82	495545	35.098	ng	# 65
51) 2,6-Dinitrotoluene	9.804	165	25345	8.659	ng	# 21
57) 2,4-Dinitrotoluene	9.804	165	25345	6.948	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	10455	3.297	ng	# 1
71) Phenanthrene	11.321	178	55400	3.592	ng	98
75) Fluoranthene	12.515	202	131761	8.449	ng	99
77) Benzidine	12.898	184	9076	2.297	ng	# 91
78) Pyrene	12.745	202	121536	5.841	ng	100
81) Benzo(a)anthracene	13.945	228	68341	4.571	ng	96
83) Chrysene	13.980	228	75703	5.153	ng	96
87) Indeno(1,2,3-cd)pyrene	16.892	276	34422	2.136	ng	99
88) Benzo(b)fluoranthene	14.998	252	133265	8.951	ng	99
89) Benzo(k)fluoranthene	14.998	252	133265	9.265	ng	100
90) Benzo(a)pyrene	15.356	252	65245	4.717	ng	98
92) Benzo(g,h,i)perylene	17.339	276	33237	2.448	ng	96

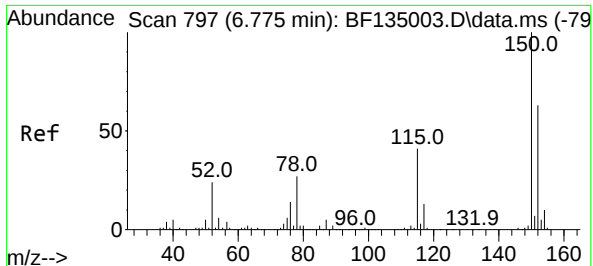
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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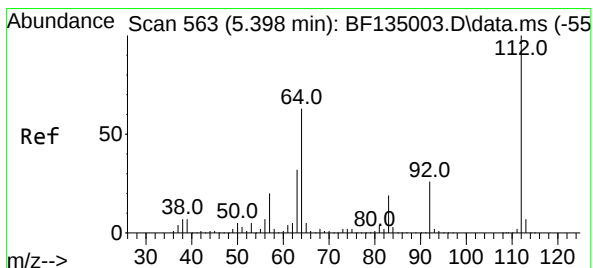
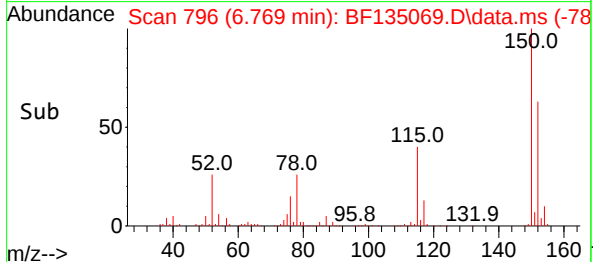
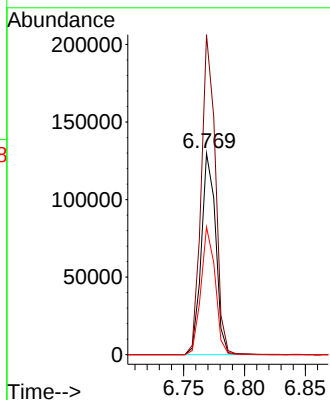
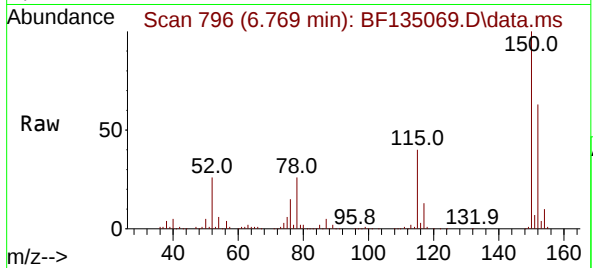




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

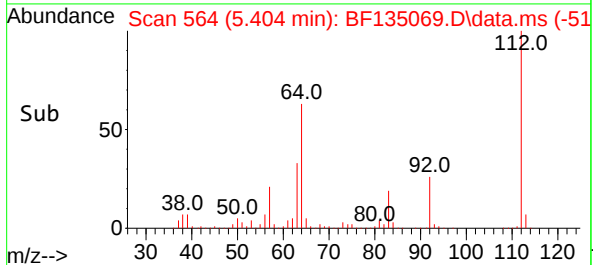
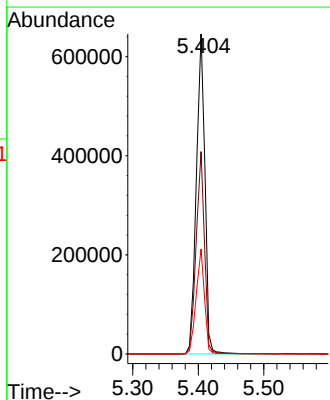
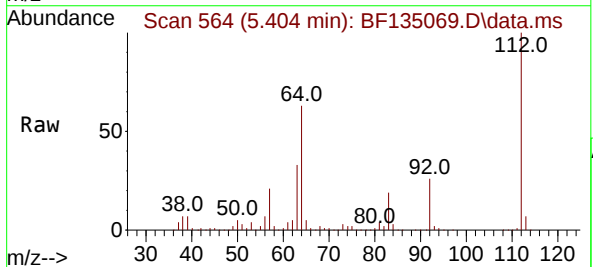
Instrument :
BNA_F
ClientSampleId :
ETGI-350

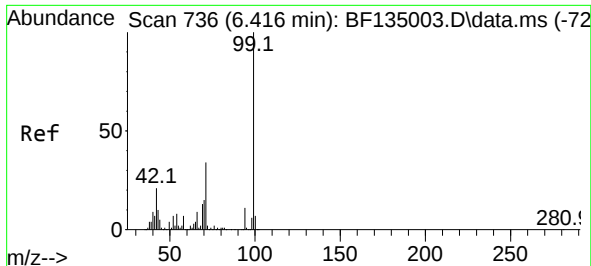
Tgt Ion:152 Resp: 106175
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.4
115 63.4 51.2 76.8



#5
2-Fluorophenol
Concen: 85.974 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion:112 Resp: 590977
Ion Ratio Lower Upper
112 100
64 63.2 50.5 75.7
63 32.8 25.9 38.9

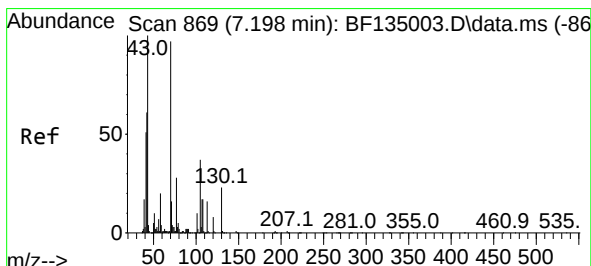
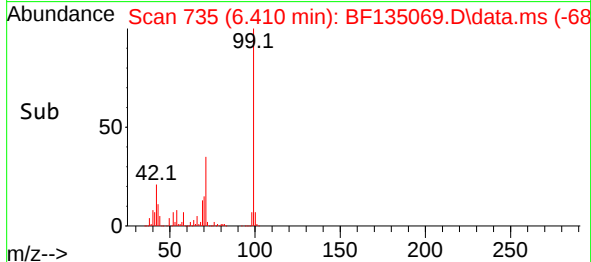
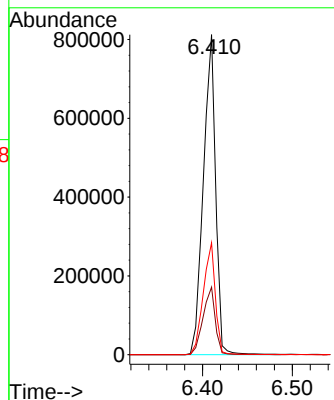
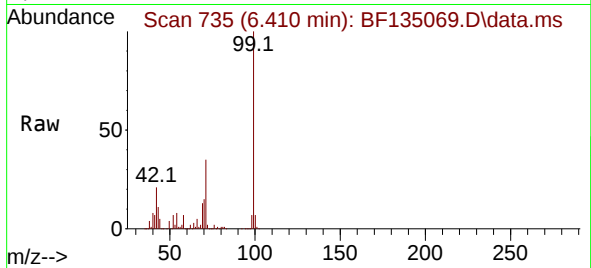




#7
Phenol-d6
Concen: 90.030 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

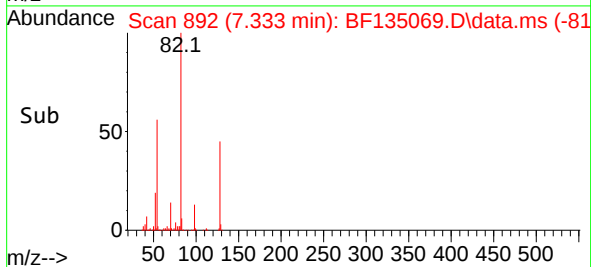
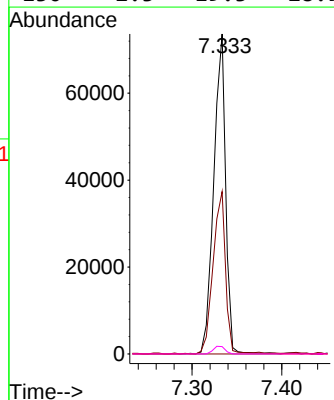
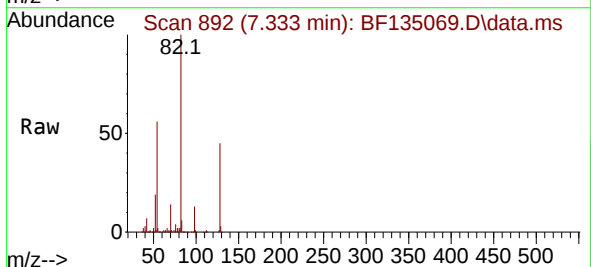
Instrument :
BNA_F
ClientSampleId :
ETGI-350

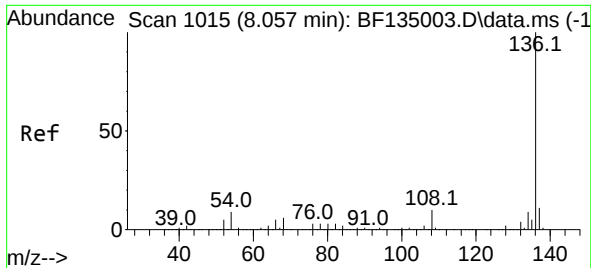
Tgt Ion: 99 Resp: 771360
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 35.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.314 ng
RT: 7.333 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion: 70 Resp: 67759
Ion Ratio Lower Upper
70 100
42 50.8 50.2 75.4
101 0.0 8.1 12.1#
130 2.3 19.3 28.9#

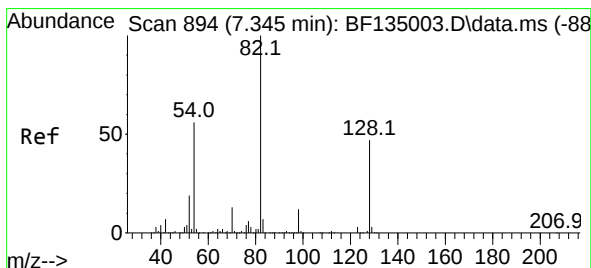
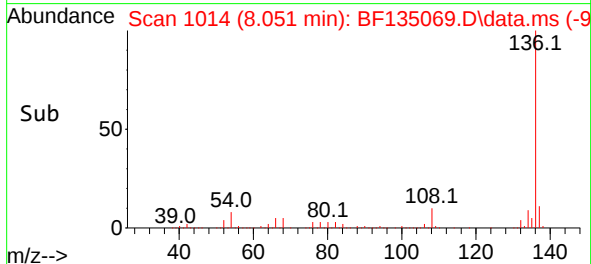
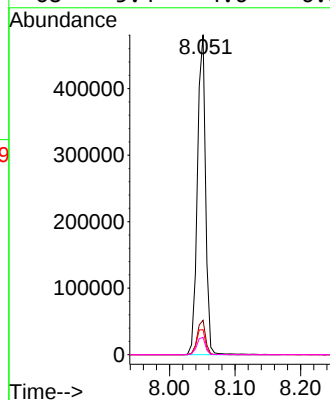
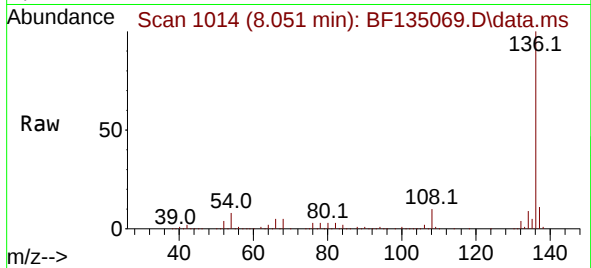




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

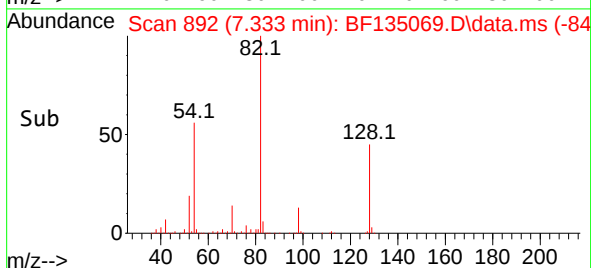
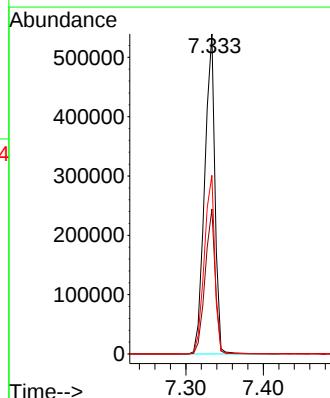
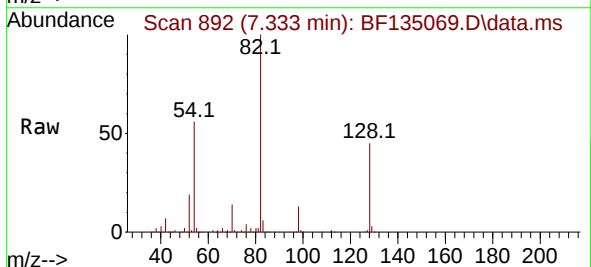
Instrument :
BNA_F
ClientSampleId :
ETGI-350

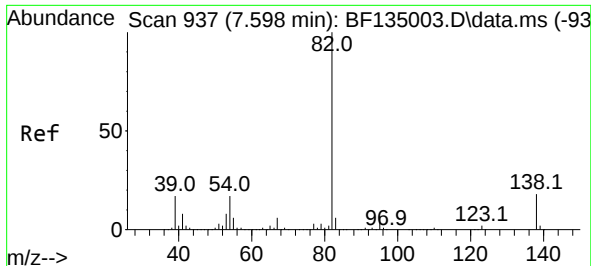
Tgt Ion:136 Resp: 418365
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 7.0 10.4
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 66.707 ng
RT: 7.333 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion: 82 Resp: 496755
Ion Ratio Lower Upper
82 100
128 45.3 37.8 56.8
54 55.8 45.0 67.6

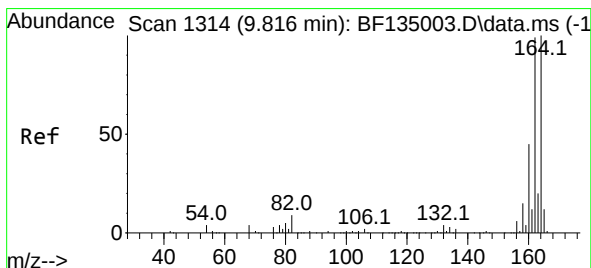
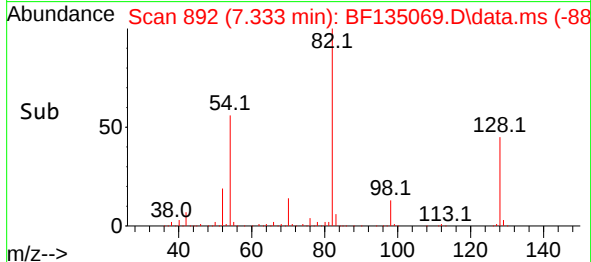
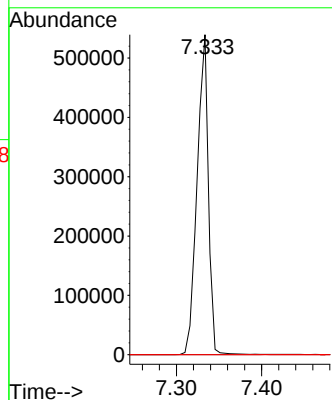
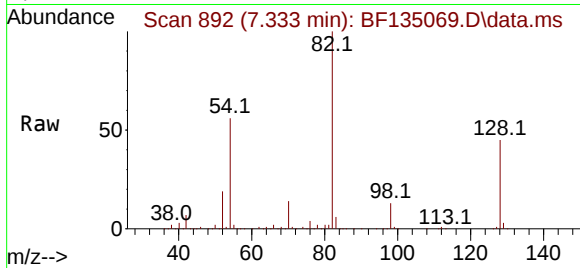




#25
Isophorone
Concen: 35.098 ng
RT: 7.333 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

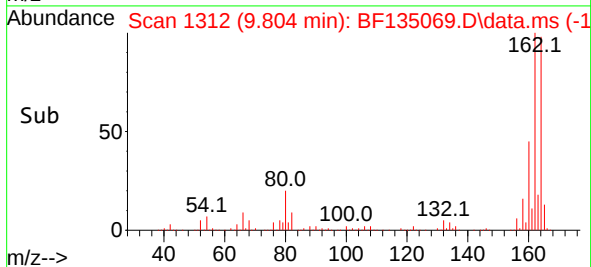
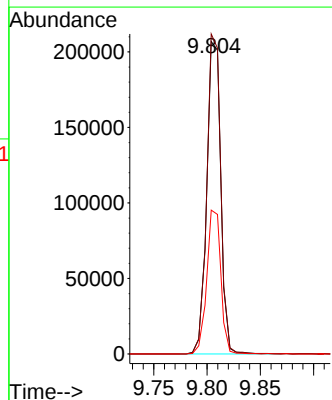
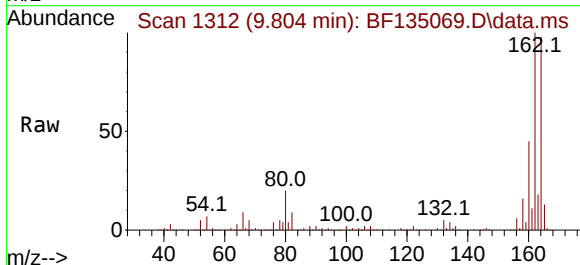
Instrument :
BNA_F
ClientSampleId :
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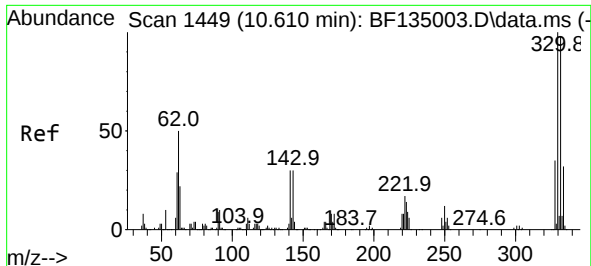
Tgt Ion: 82 Resp: 495545
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion: 164 Resp: 190509
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 46.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 83.099 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

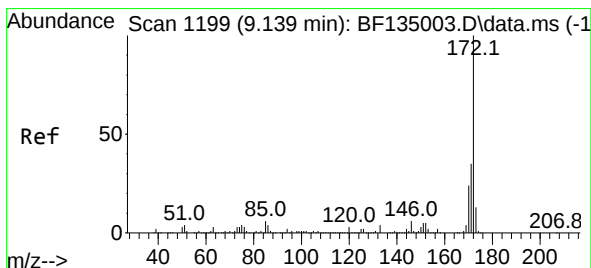
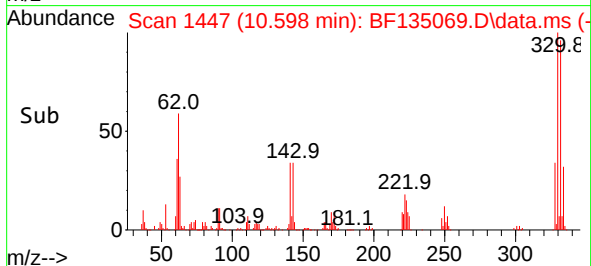
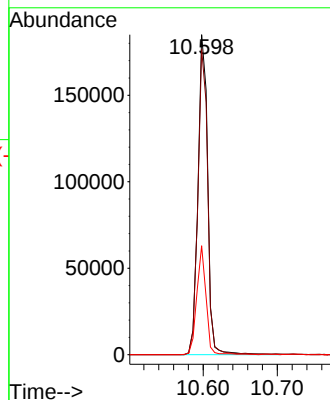
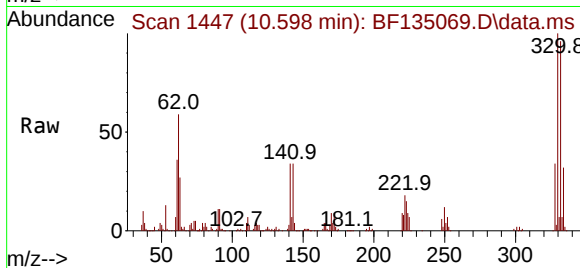
Tgt Ion:330 Resp: 167935

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 32.4 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 75.058 ng

RT: 9.127 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

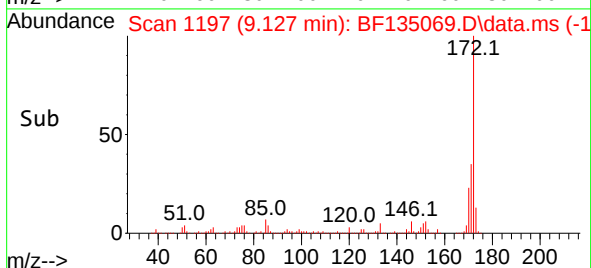
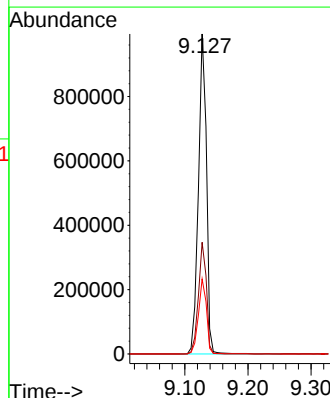
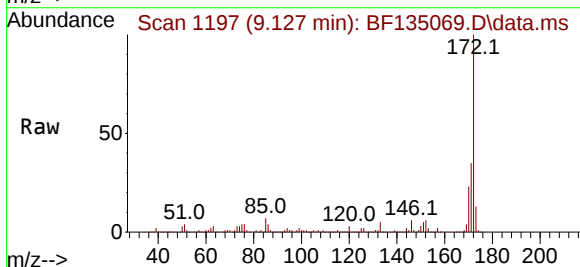
Tgt Ion:172 Resp: 878268

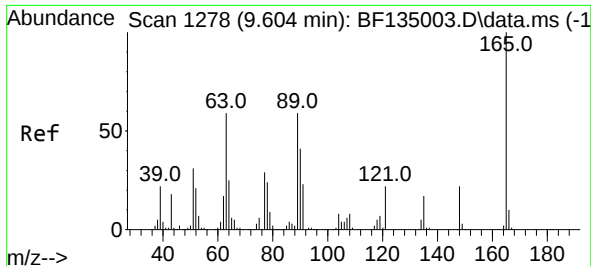
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.5 19.0 28.4

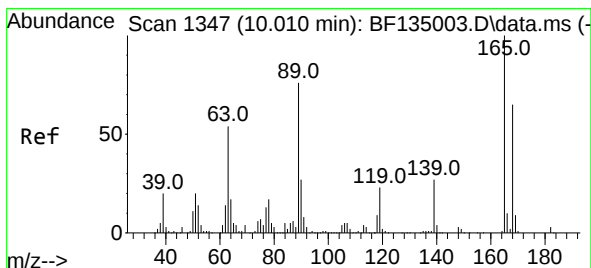
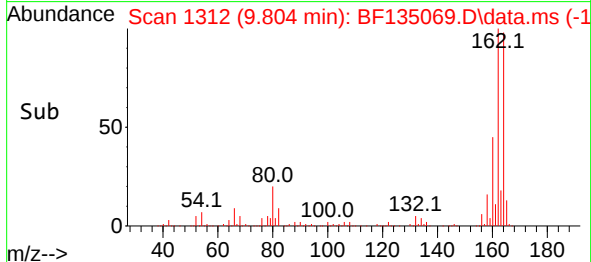
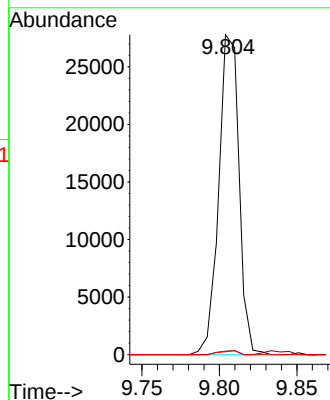
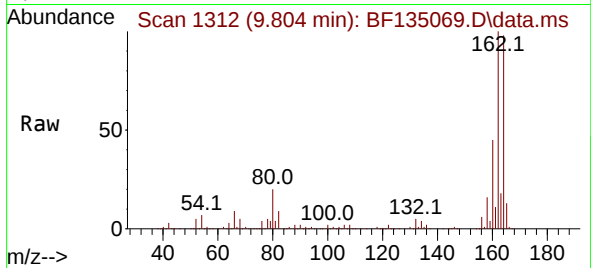




#51
2,6-Dinitrotoluene
Concen: 8.659 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

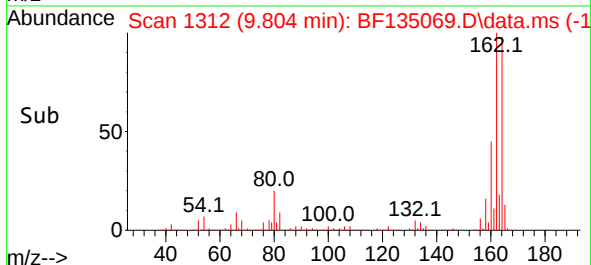
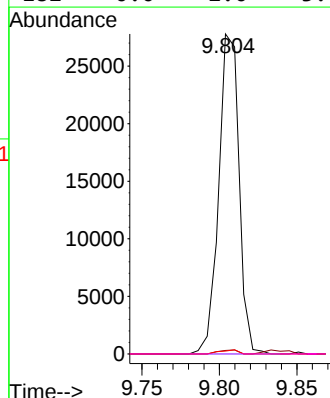
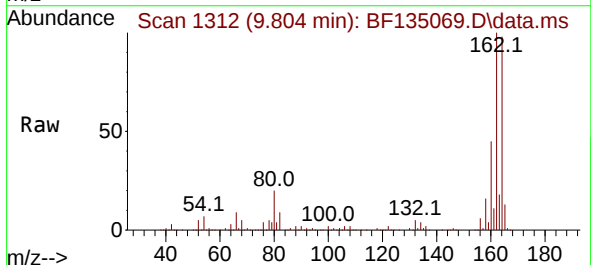
Instrument :
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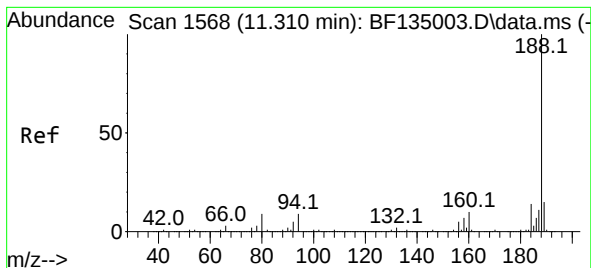
Tgt Ion:165 Resp: 25345
Ion Ratio Lower Upper
165 100
63 1.1 50.4 75.6#
89 0.9 47.1 70.7#



#57
2,4-Dinitrotoluene
Concen: 6.948 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.206 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion:165 Resp: 25345
Ion Ratio Lower Upper
165 100
63 1.1 43.2 64.8#
89 0.9 60.8 91.2#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

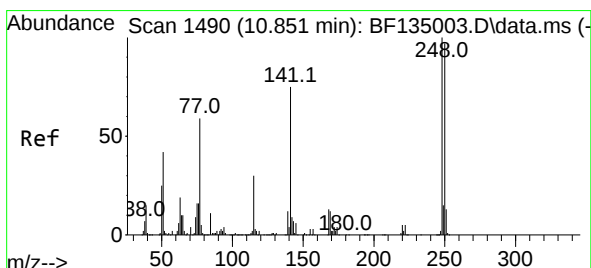
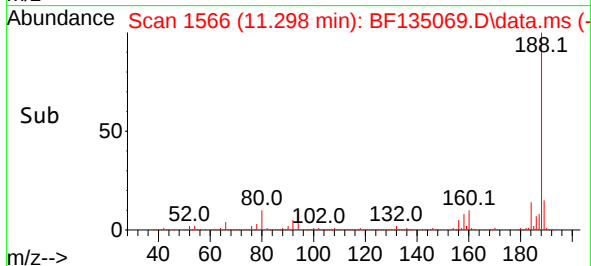
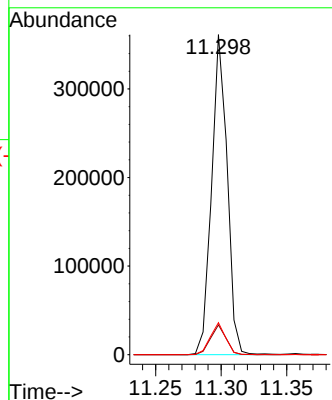
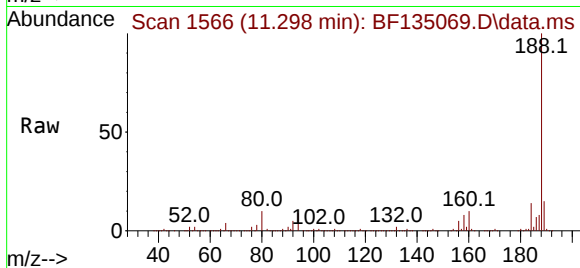
Tgt Ion:188 Resp: 298975

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

80 10.0 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 3.297 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

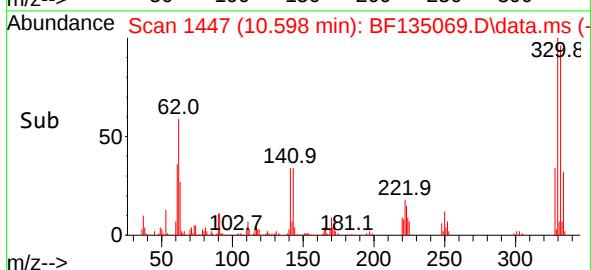
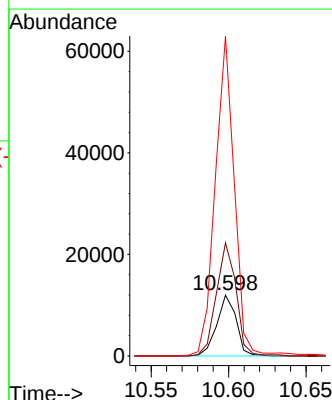
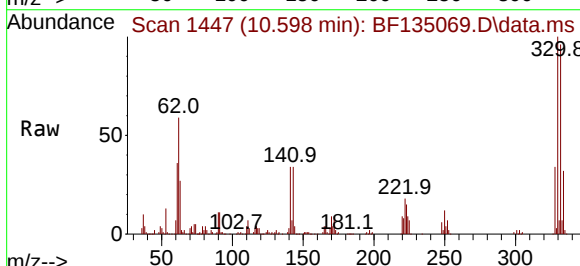
Tgt Ion:248 Resp: 10455

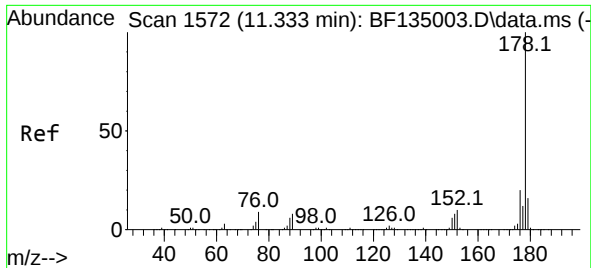
Ion Ratio Lower Upper

248 100

250 186.1 77.9 116.9#

141 526.0 59.8 89.8#

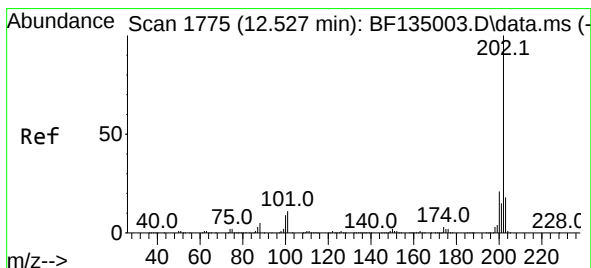
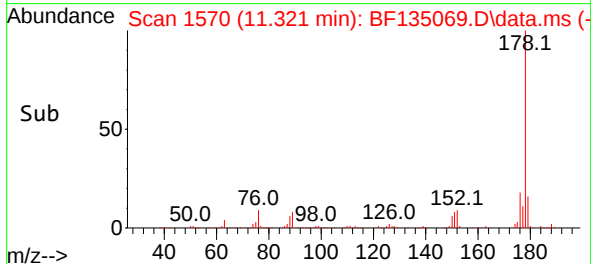
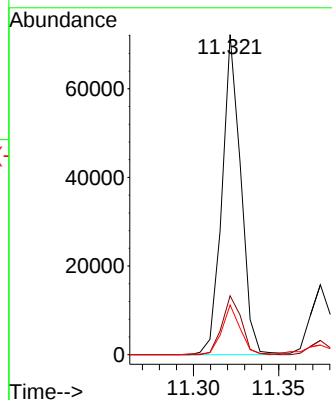
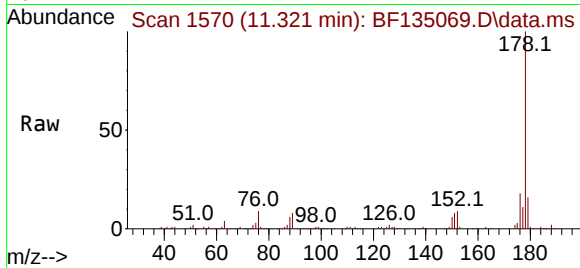




#71
Phenanthrene
Concen: 3.592 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

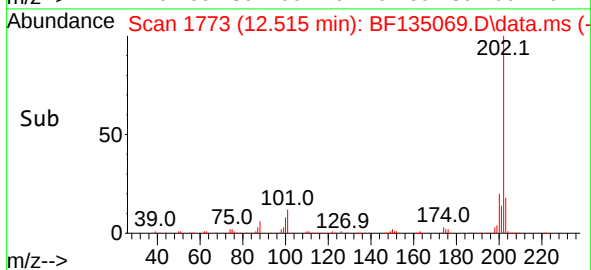
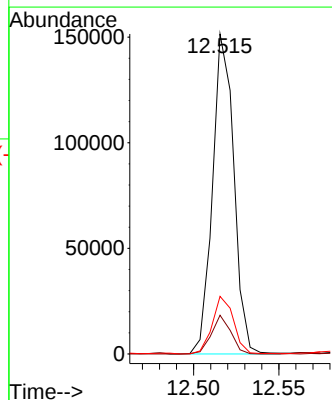
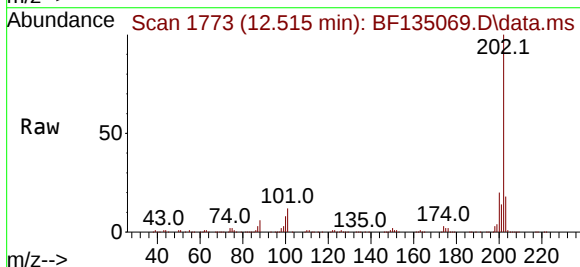
Instrument :
BNA_F
ClientSampleId :
ETGI-350

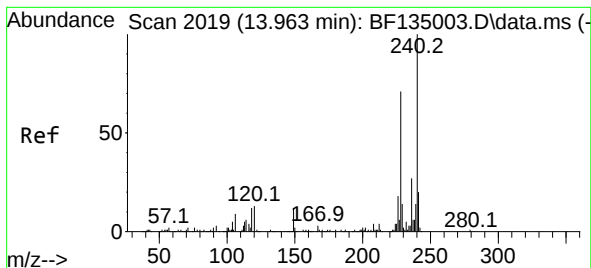
Tgt Ion:178 Resp: 55400
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.6 12.5 18.7



#75
Fluoranthene
Concen: 8.449 ng
RT: 12.515 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion:202 Resp: 131761
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.5
203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

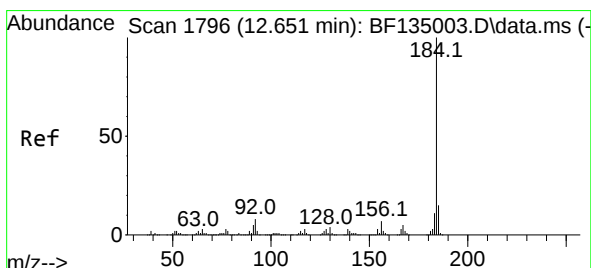
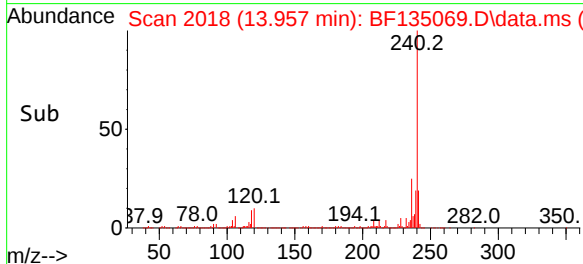
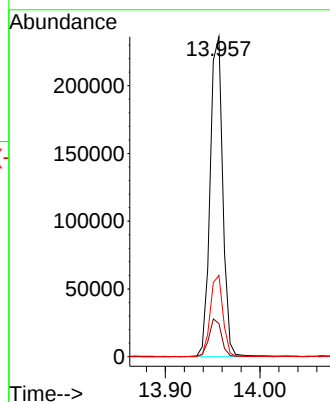
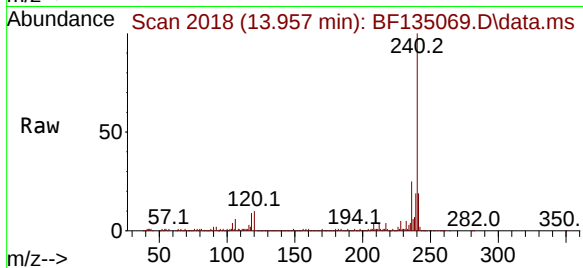
Tgt Ion:240 Resp: 219156

Ion Ratio Lower Upper

240 100

120 10.4 10.2 15.2

236 25.4 21.3 31.9



#77

Benzidine

Concen: 2.297 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.247 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

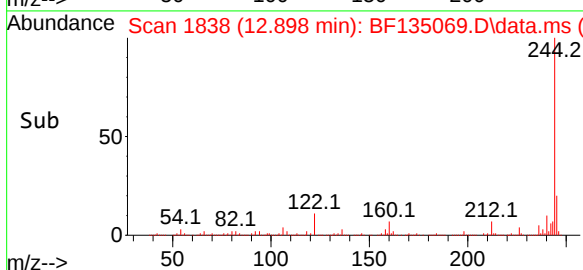
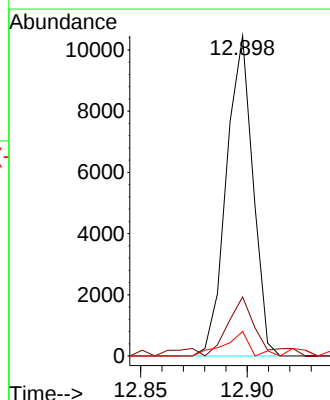
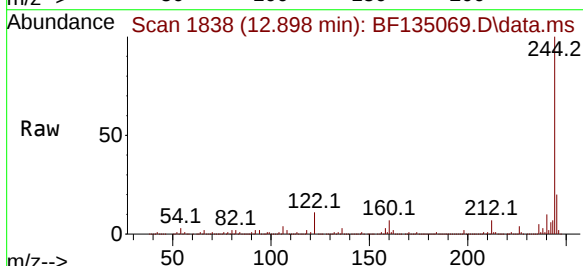
Tgt Ion:184 Resp: 9076

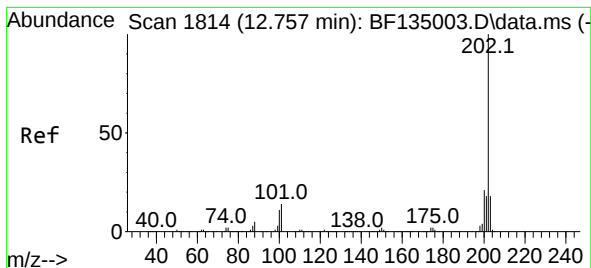
Ion Ratio Lower Upper

184 100

185 18.4 12.0 18.0#

183 7.7 9.0 13.6#





#78

Pyrene

Concen: 5.841 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

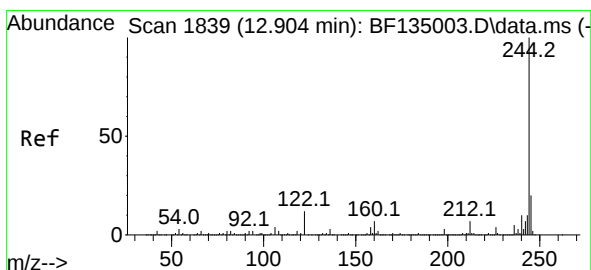
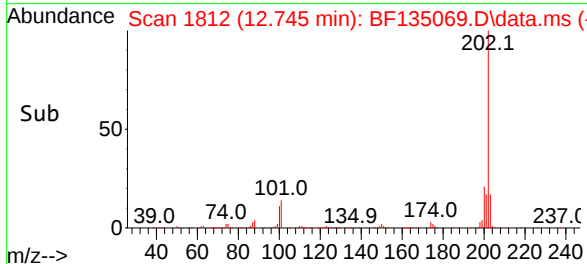
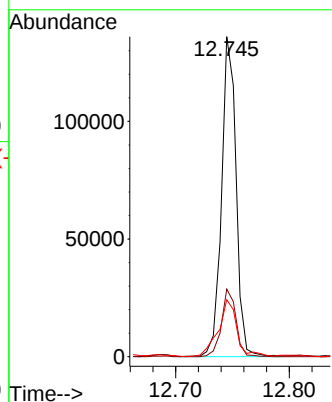
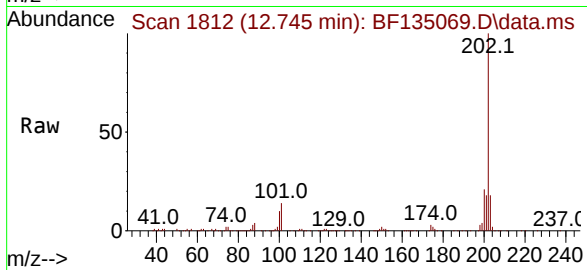
Tgt Ion:202 Resp: 121536

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 52.837 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

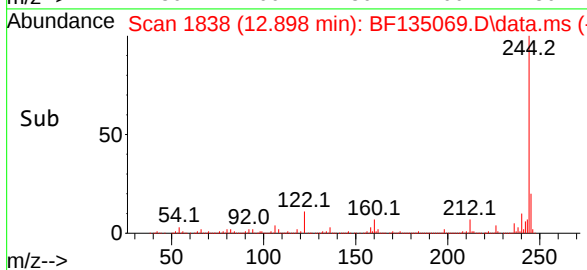
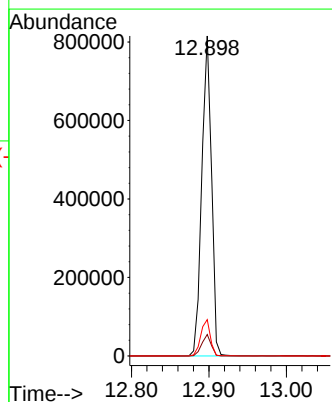
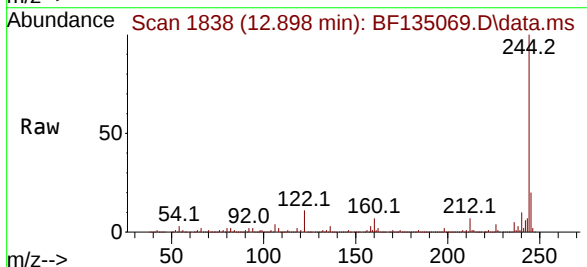
Tgt Ion:244 Resp: 709572

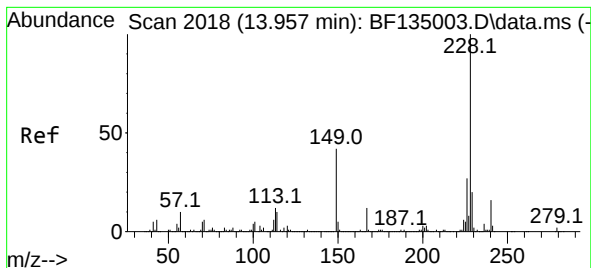
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.4 9.8 14.6





#81

Benzo(a)anthracene

Concen: 4.571 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

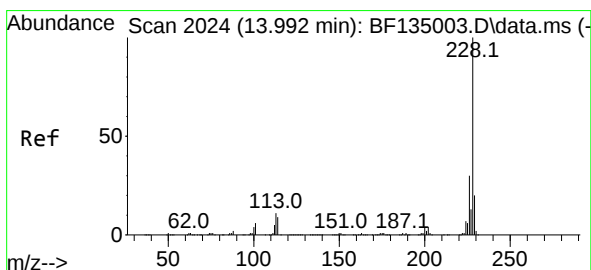
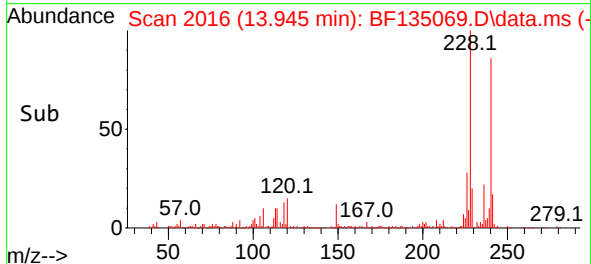
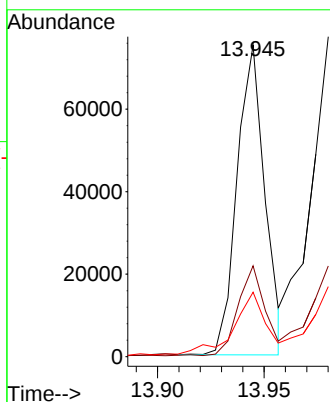
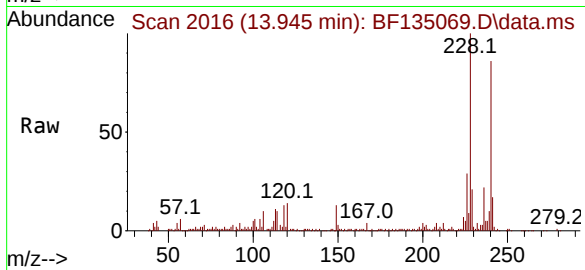
Tgt Ion:228 Resp: 68341

Ion Ratio Lower Upper

228 100

226 29.2 21.6 32.4

229 20.7 15.6 23.4



#83

Chrysene

Concen: 5.153 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

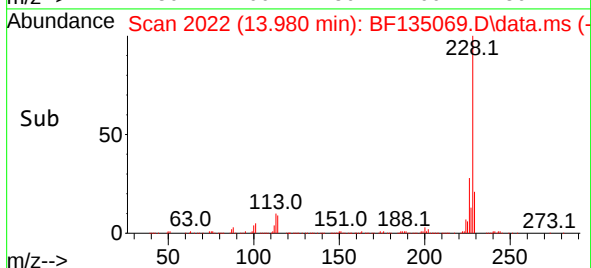
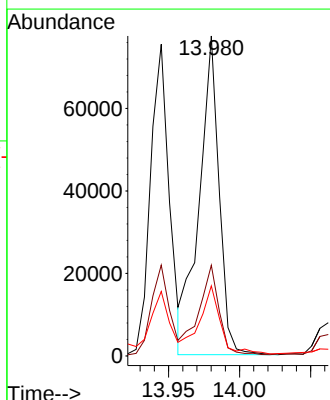
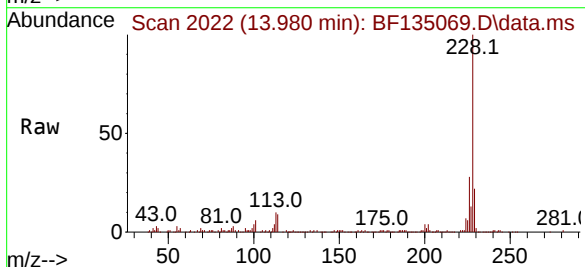
Tgt Ion:228 Resp: 75703

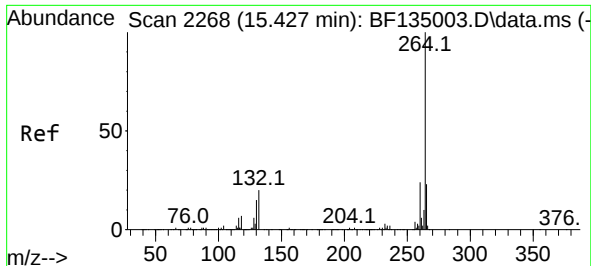
Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.4

229 21.9 15.9 23.9



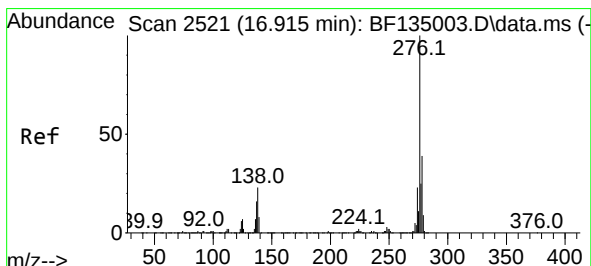
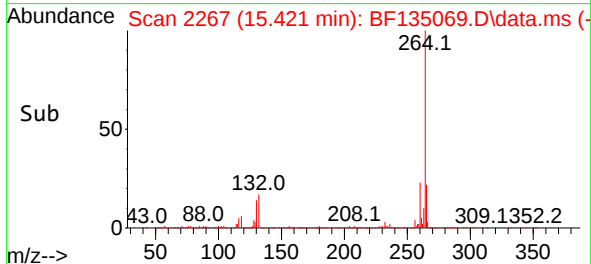
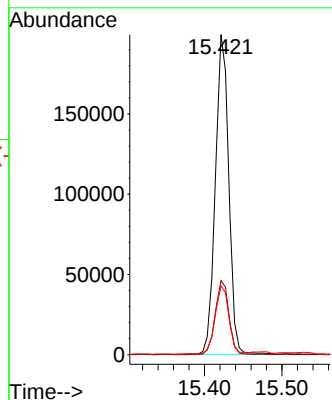
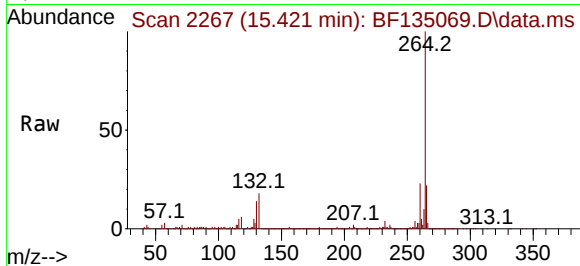


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Instrument :
BNA_F
ClientSampleId :
ETGI-350

Tgt Ion:264 Resp: 239276

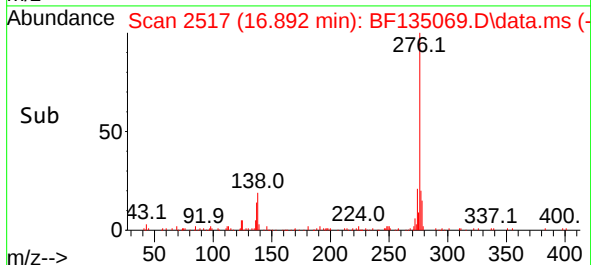
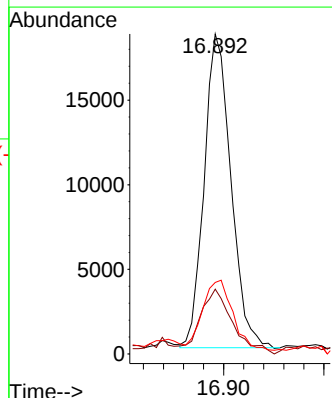
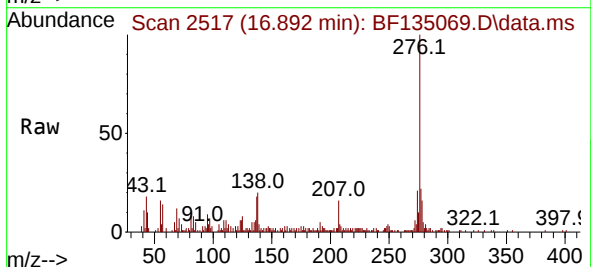
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.6	18.2	27.2

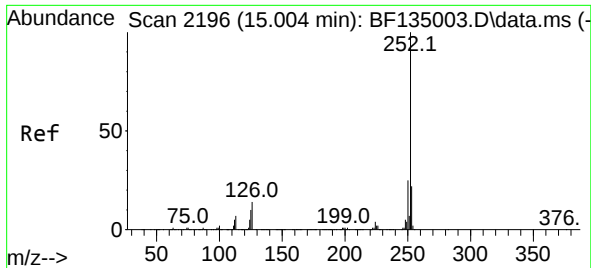


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.136 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.024 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion:276 Resp: 34422

Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.2	30.2
277	25.1	20.4	30.6

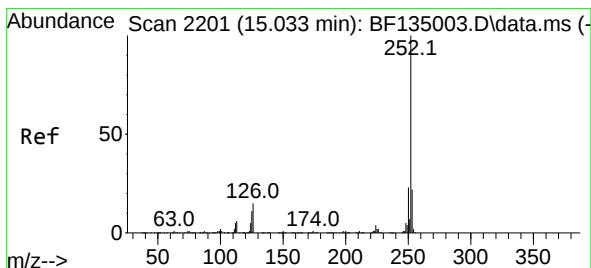
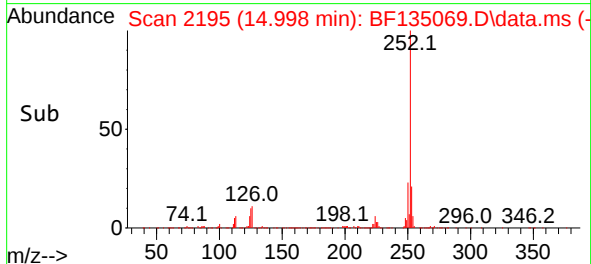
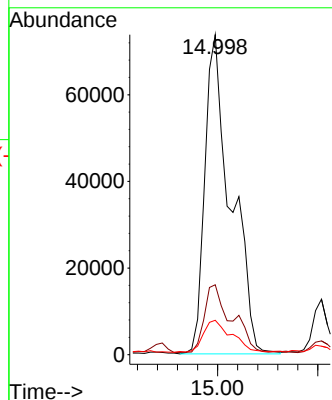
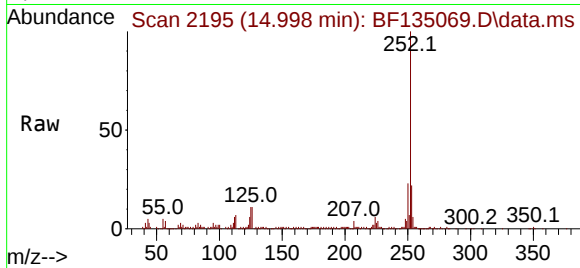




#88
Benzo(b)fluoranthene
Concen: 8.951 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

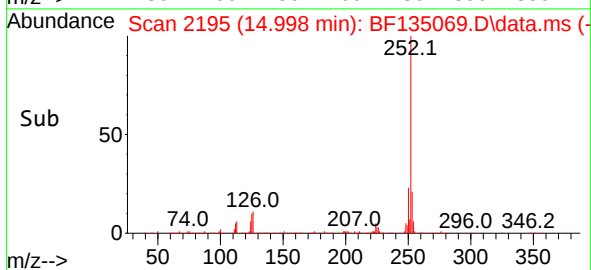
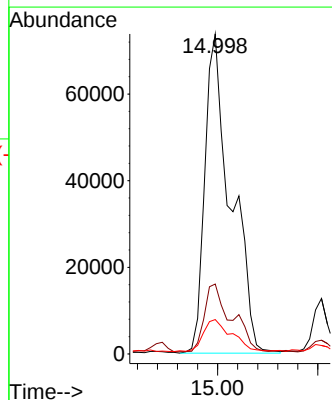
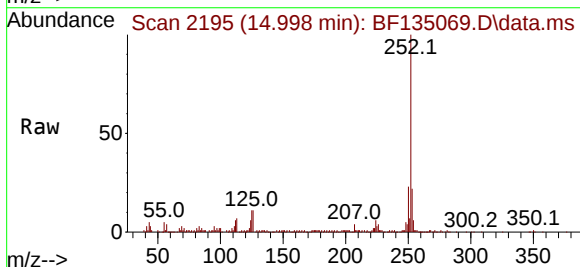
Instrument :
BNA_F
ClientSampleId :
ETGI-350

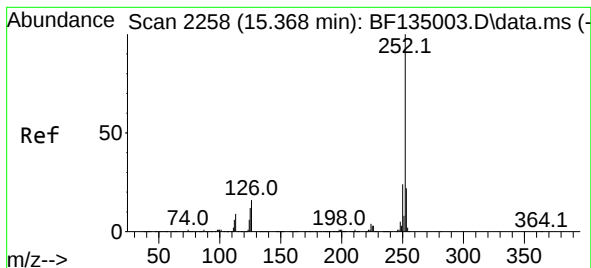
Tgt Ion:252 Resp: 133265
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 10.8 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 9.265 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF135069.D
Acq: 01 Sep 2023 11:27

Tgt Ion:252 Resp: 133265
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 10.8 8.5 12.7





#90

Benzo(a)pyrene

Concen: 4.717 ng

RT: 15.356 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Instrument :

BNA_F

ClientSampleId :

ETGI-350

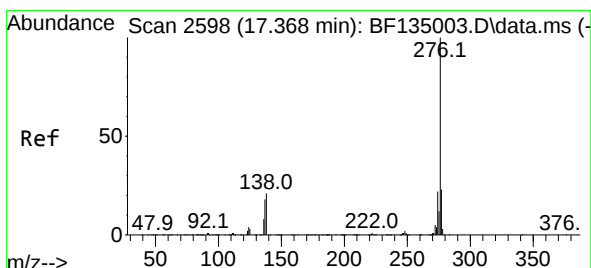
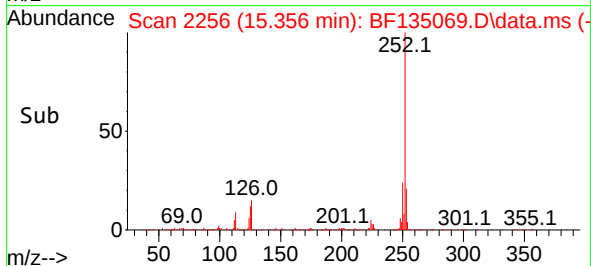
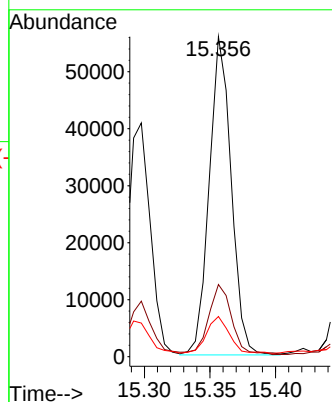
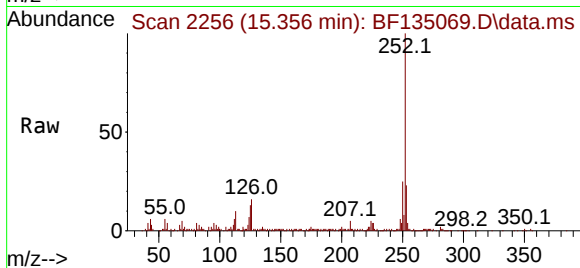
Tgt Ion:252 Resp: 65245

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 12.5 9.5 14.3



#92

Benzo(g,h,i)perylene

Concen: 2.448 ng

RT: 17.339 min Scan# 2593

Delta R.T. -0.030 min

Lab File: BF135069.D

Acq: 01 Sep 2023 11:27

Tgt Ion:276 Resp: 33237

Ion Ratio Lower Upper

276 100

277 25.8 18.5 27.7

138 22.5 17.1 25.7

