

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133400.D
 Acq On : 16 May 2023 14:01
 Operator : CG\JU
 Sample : 02782-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363DL

Quant Time: May 16 14:26:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

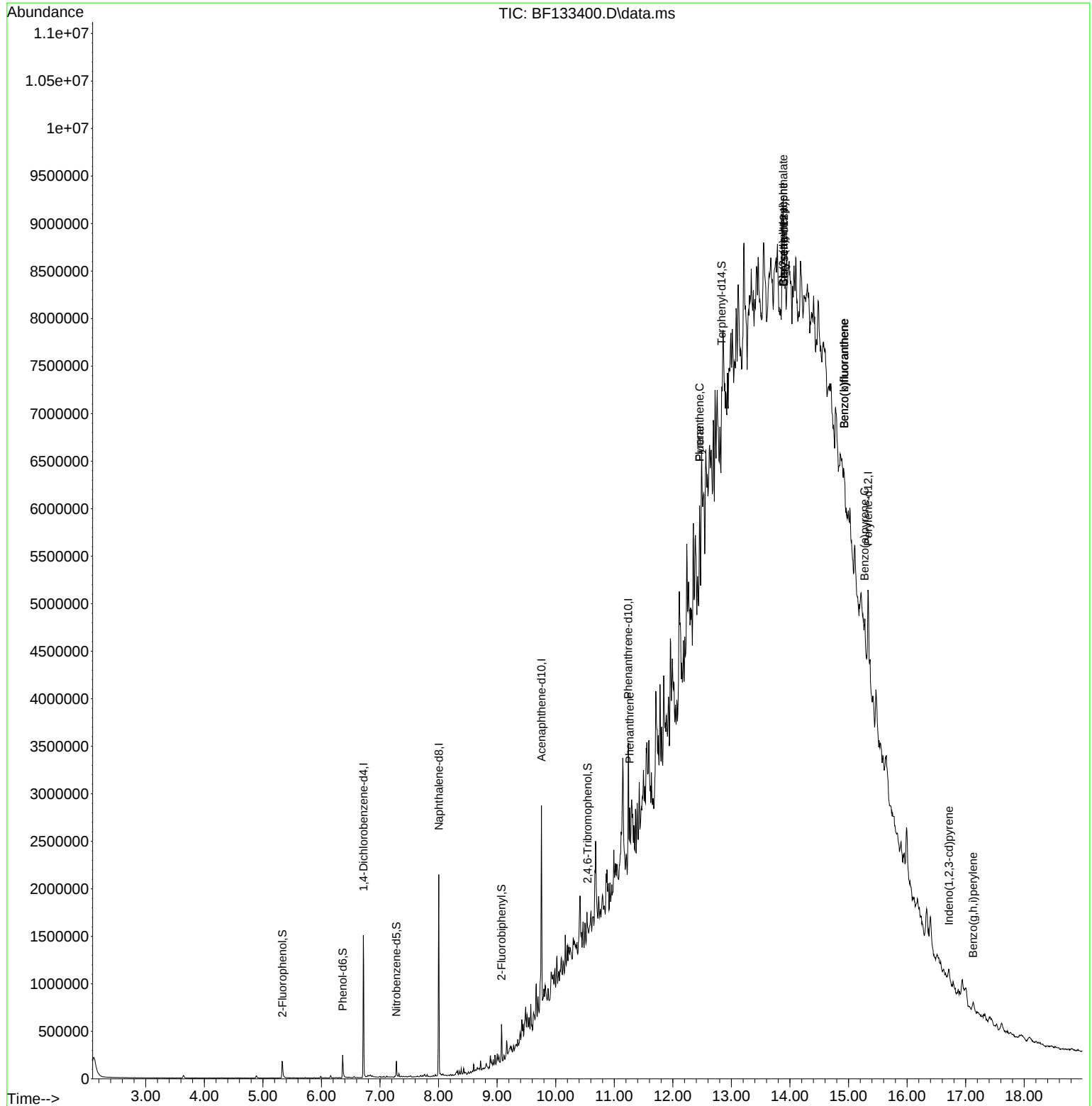
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	211158	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	819850	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	359168	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	559357	20.000	ng	0.00
76) Chrysene-d12	13.898	240	308765	20.000	ng	0.02
86) Perylene-d12	15.333	264	522686	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	71833	5.139	ng	0.00
7) Phenol-d6	6.363	99	87555	5.046	ng	0.00
23) Nitrobenzene-d5	7.281	82	50872	3.349	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	15584	4.314	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	99520	4.636	ng	-0.01
79) Terphenyl-d14	12.833	244	73020	4.079	ng	0.00
Target Compounds						
9) Benzaldehyde	6.281	77	395	Below Cal	Qvalue #	50
71) Phenanthrene	11.263	178	161416	5.369 ng	#	95
75) Fluoranthene	12.457	202	264800	8.776 ng		97
78) Pyrene	12.457	202	264800	10.004 ng		98
81) Benzo(a)anthracene	13.886	228	65926	3.105 ng		97
83) Chrysene	13.886	228	65926	3.106 ng		96
84) Bis(2-ethylhexyl)phtha...	13.886	149	513252	43.632 ng		96
87) Indeno(1,2,3-cd)pyrene	16.715	276	79674	2.680 ng		96
88) Benzo(b)fluoranthene	14.927	252	210288	6.324 ng	#	29
89) Benzo(k)fluoranthene	14.927	252	210288	6.380 ng	#	29
90) Benzo(a)pyrene	15.274	252	104262	3.445 ng	#	27
92) Benzo(g,h,i)perylene	17.127	276	69457	2.837 ng	#	92

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 16:40:17 2023
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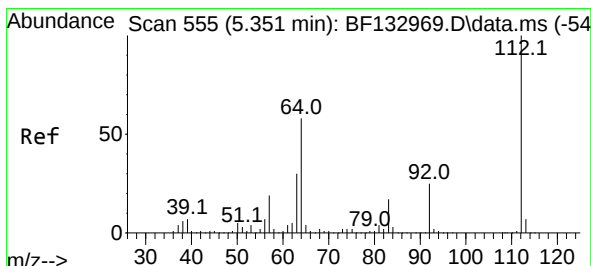
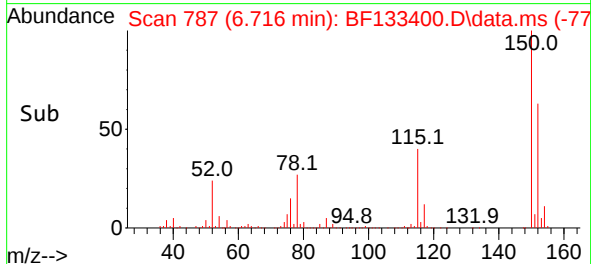
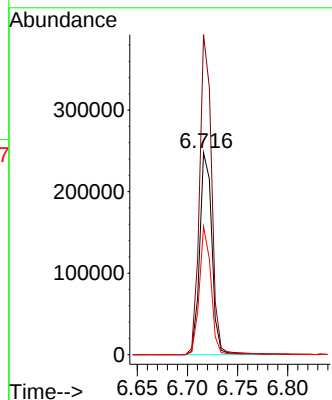
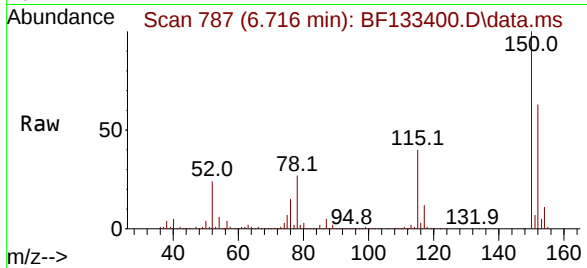




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

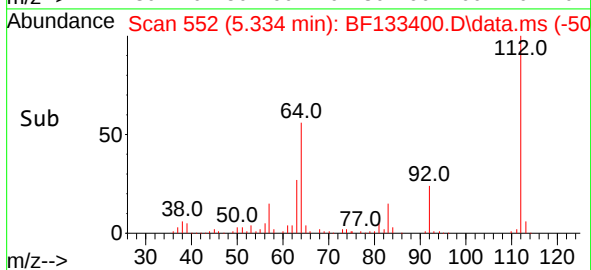
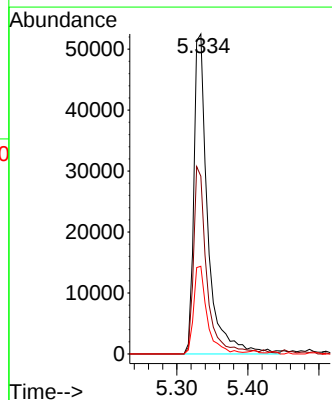
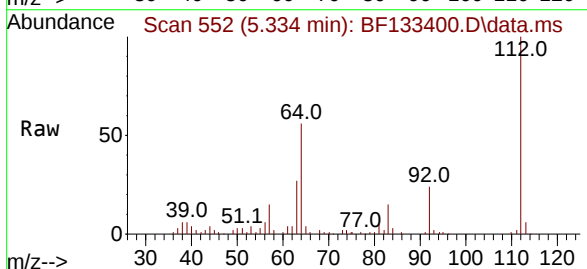
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

Tgt Ion:152 Resp: 211158
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 63.5 49.9 74.9



#5
2-Fluorophenol
Concen: 5.139 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:112 Resp: 71833
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 27.4 23.8 35.8

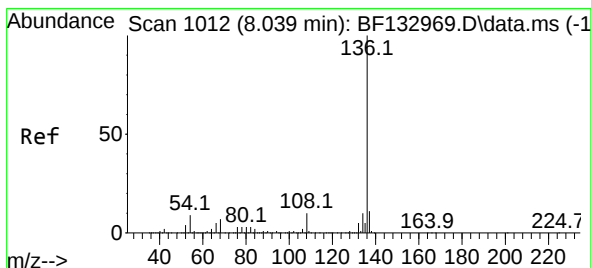
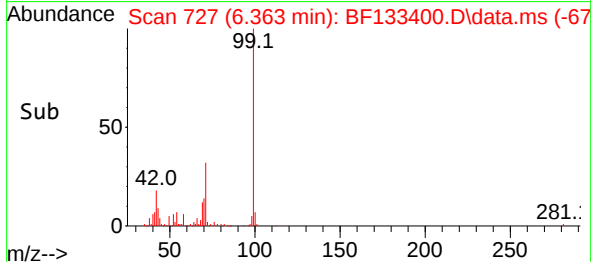
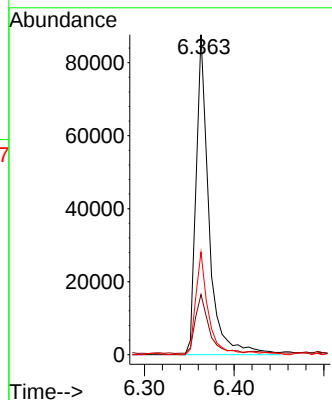
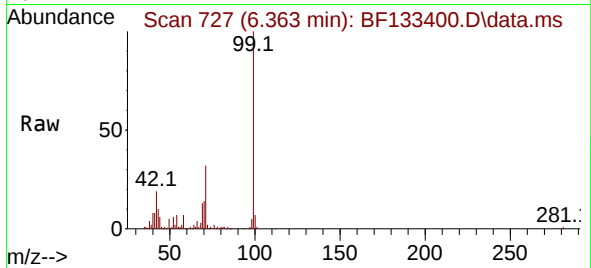




#7
Phenol-d6
Concen: 5.046 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

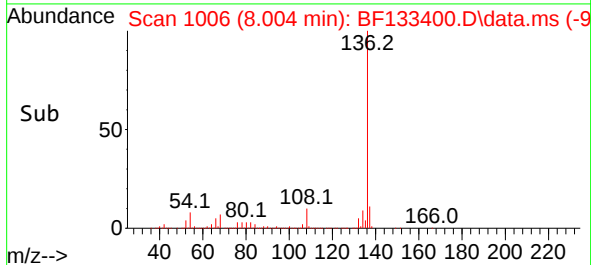
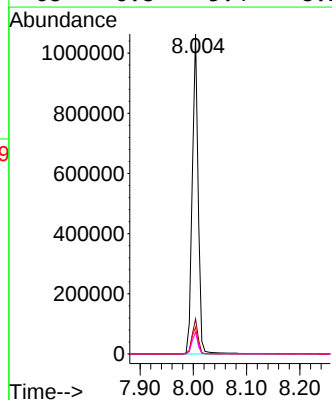
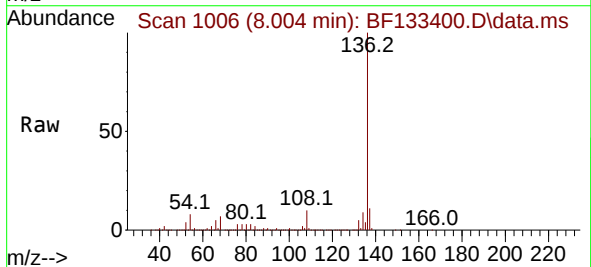
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

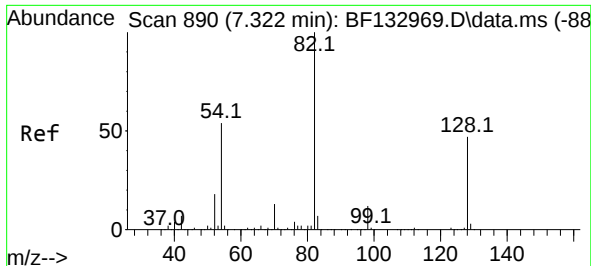
Tgt Ion: 99 Resp: 87555
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion: 136 Resp: 819850
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.0 10.4
68 6.8 5.4 8.2

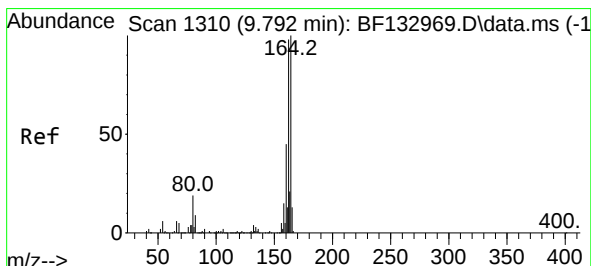
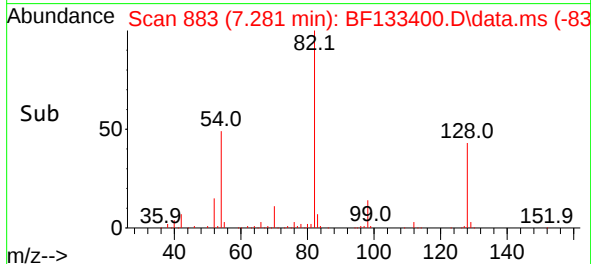
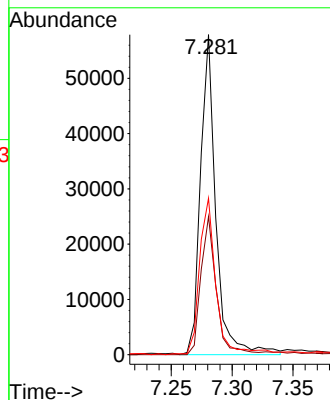
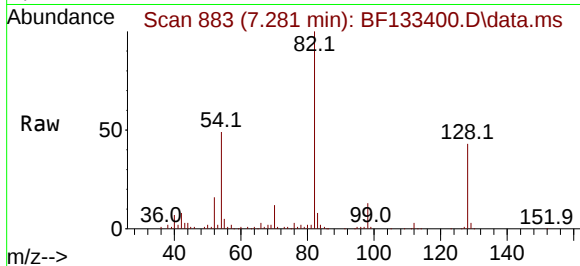




#23
Nitrobenzene-d5
Concen: 3.349 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

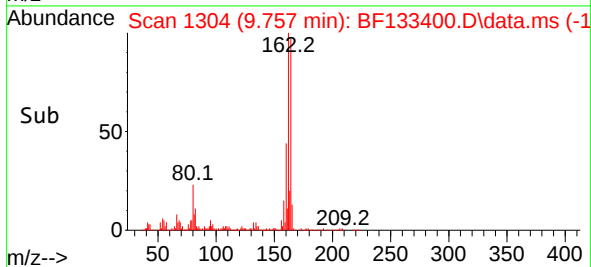
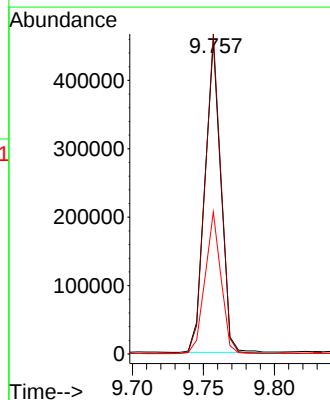
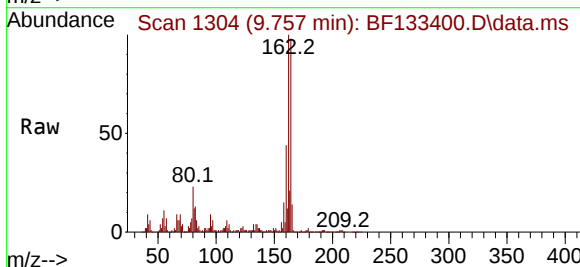
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

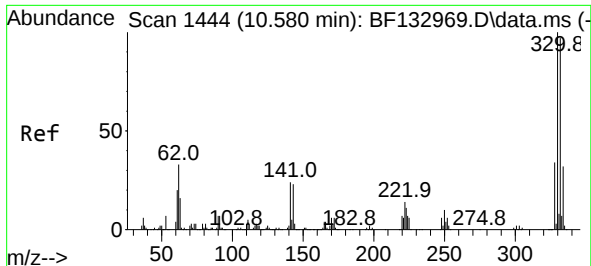
Tgt Ion: 82 Resp: 50872
Ion Ratio Lower Upper
82 100
128 43.1 37.7 56.5
54 48.9 43.0 64.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:164 Resp: 359168
Ion Ratio Lower Upper
164 100
162 102.2 78.7 118.1
160 45.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 4.314 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

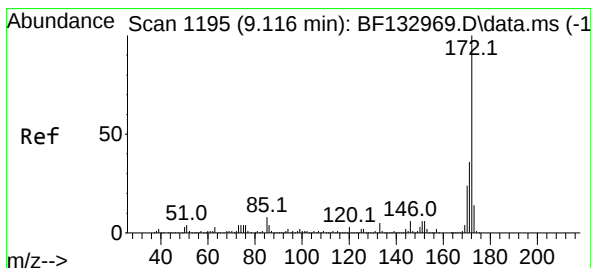
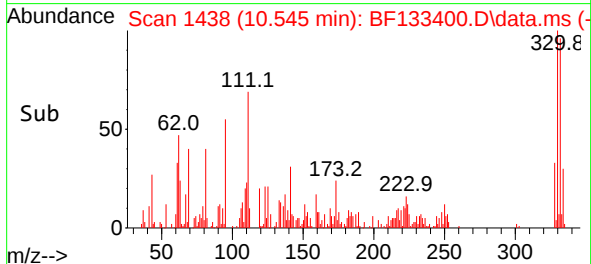
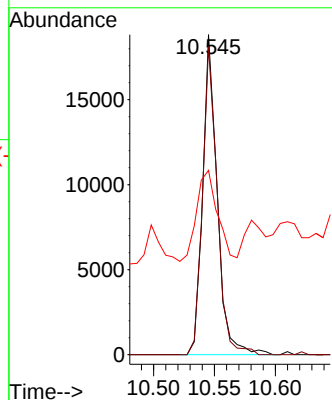
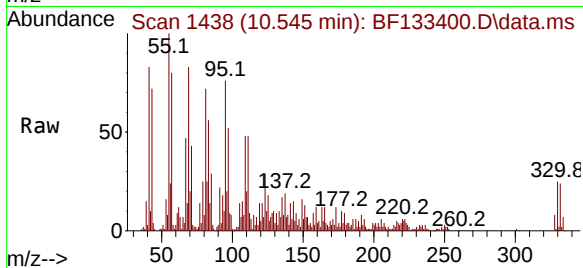
Tgt Ion:330 Resp: 15584

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

141 41.1 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 4.636 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

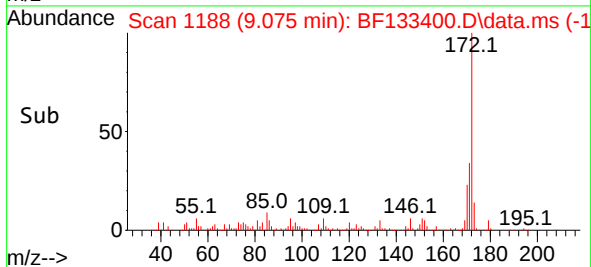
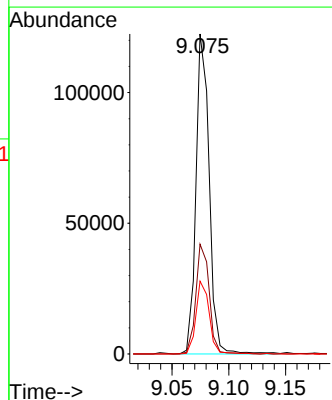
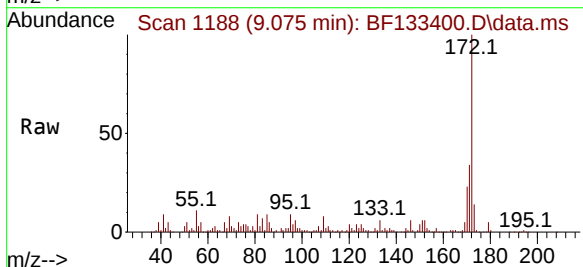
Tgt Ion:172 Resp: 99520

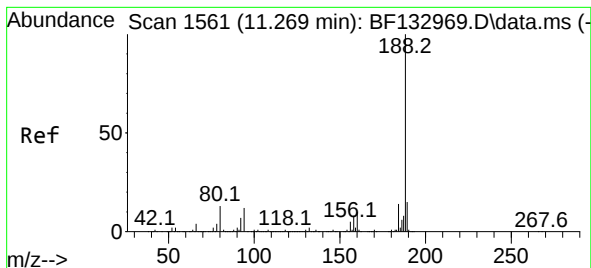
Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 22.8 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1560

Delta R.T. 0.000 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

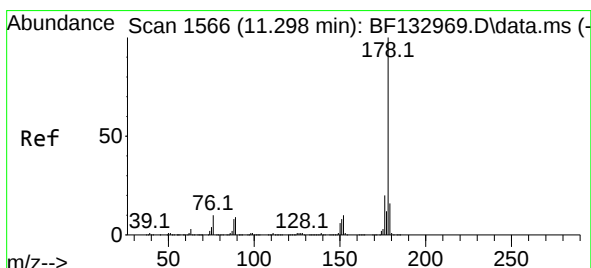
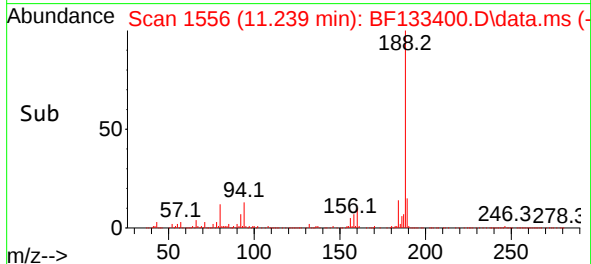
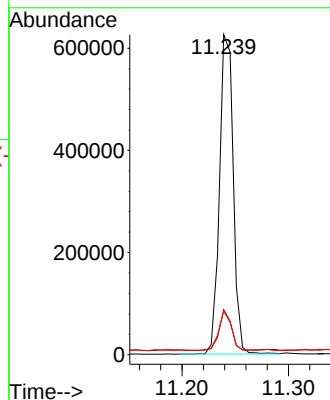
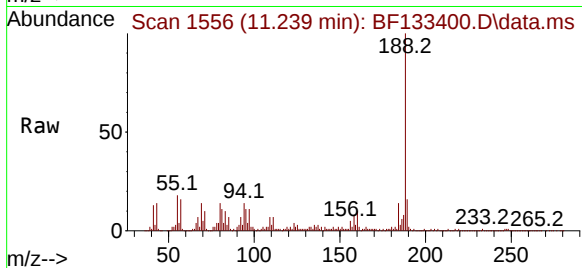
Tgt Ion:188 Resp: 559357

Ion Ratio Lower Upper

188 100

94 14.1 9.7 14.5

80 13.6 10.4 15.6



#71

Phenanthrene

Concen: 5.369 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

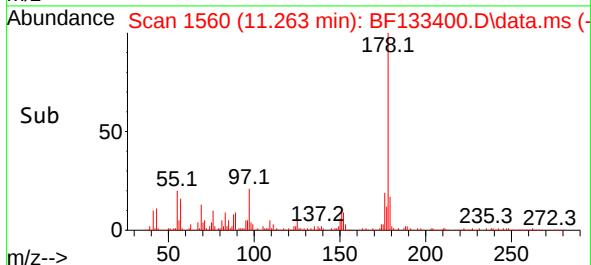
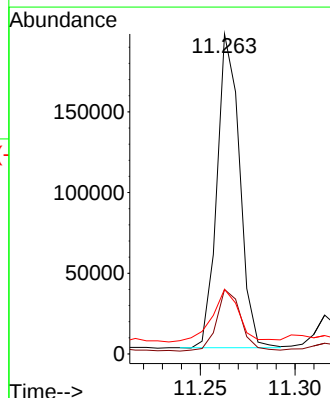
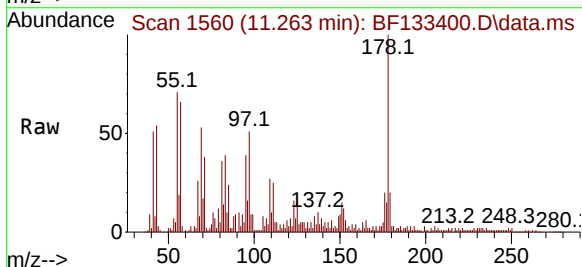
Tgt Ion:178 Resp: 161416

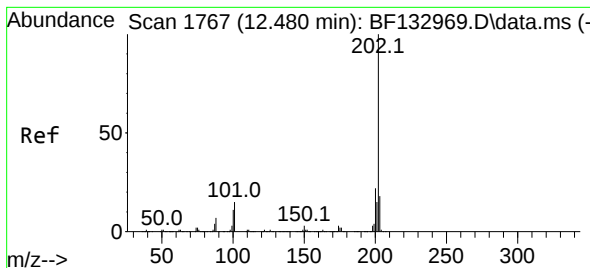
Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 20.2 12.5 18.7#





#75

Fluoranthene

Concen: 8.776 ng

RT: 12.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

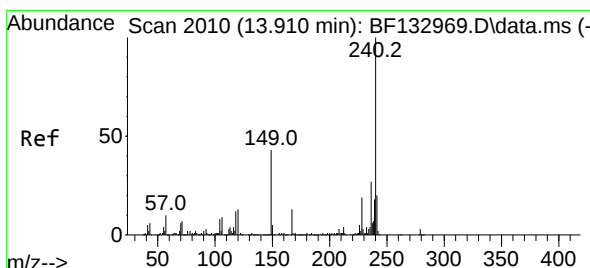
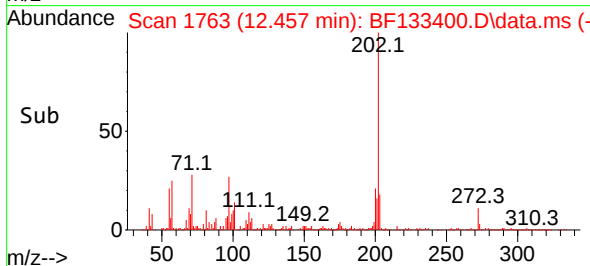
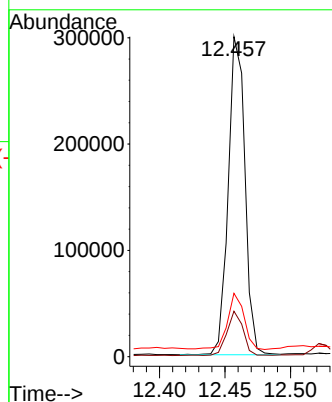
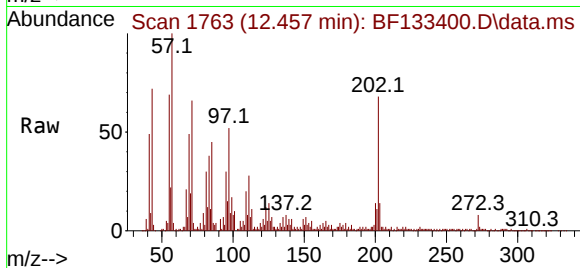
Tgt Ion:202 Resp: 264800

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.3

203 19.8 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 2008

Delta R.T. 0.018 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

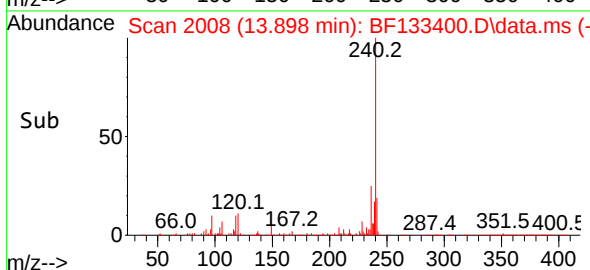
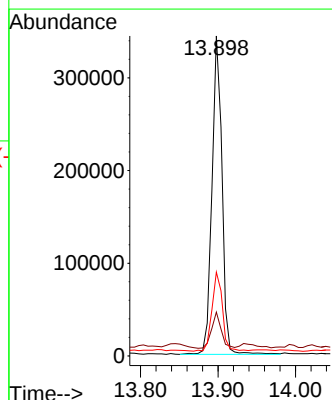
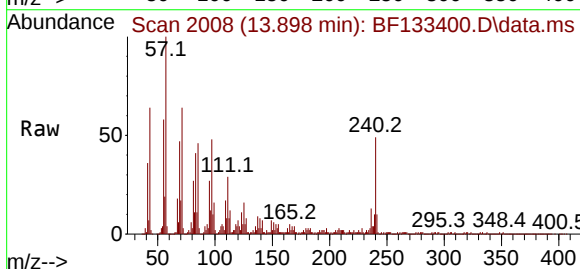
Tgt Ion:240 Resp: 308765

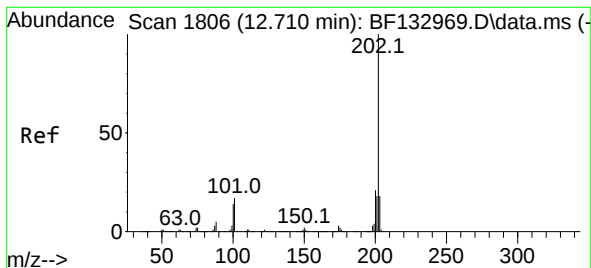
Ion Ratio Lower Upper

240 100

120 13.7 10.5 15.7

236 26.2 21.5 32.3





#78

Pyrene

Concen: 10.004 ng

RT: 12.457 min Scan# 1

Delta R.T. -0.223 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

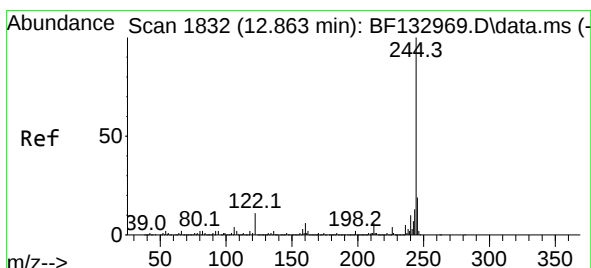
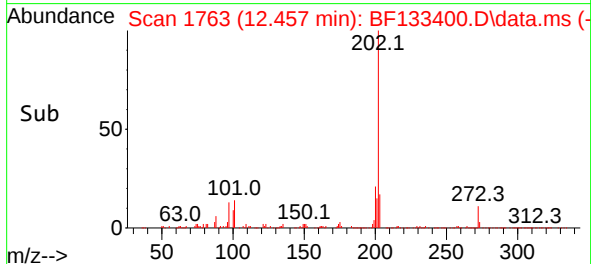
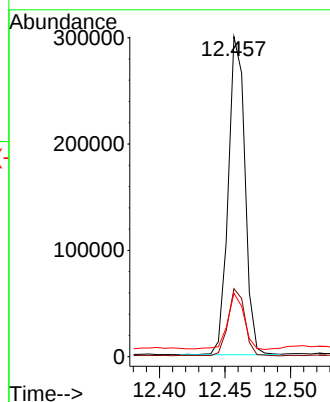
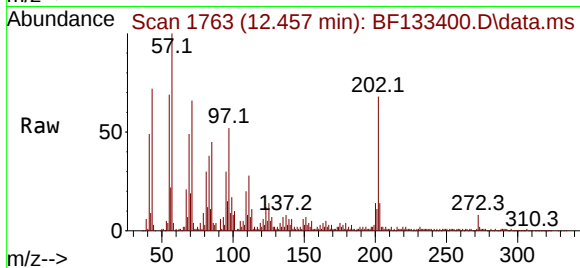
Tgt Ion:202 Resp: 264800

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 19.8 14.1 21.1



#79

Terphenyl-d14

Concen: 4.079 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

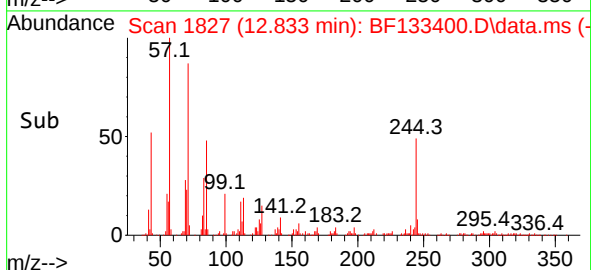
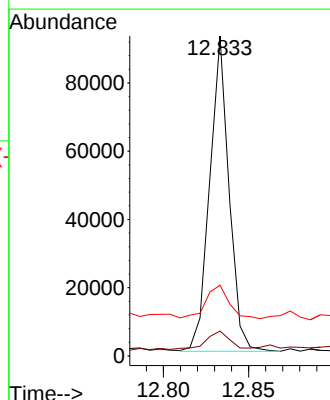
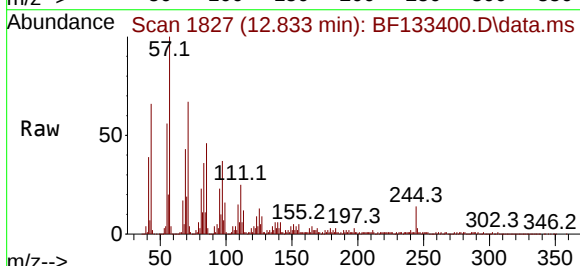
Tgt Ion:244 Resp: 73020

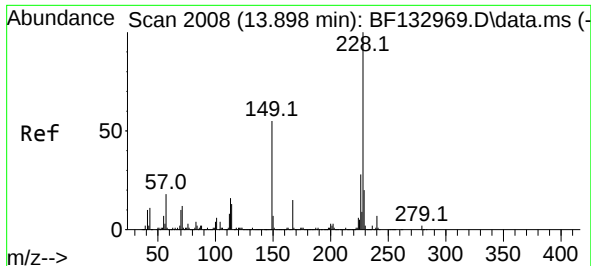
Ion Ratio Lower Upper

244 100

212 7.8 5.1 7.7#

122 22.1 8.6 13.0#

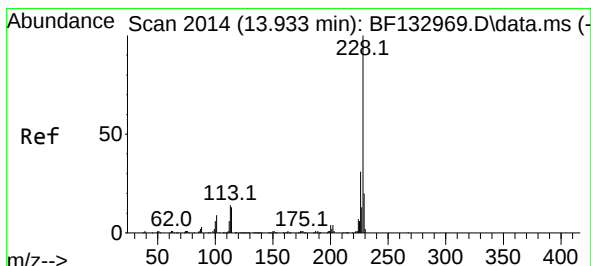
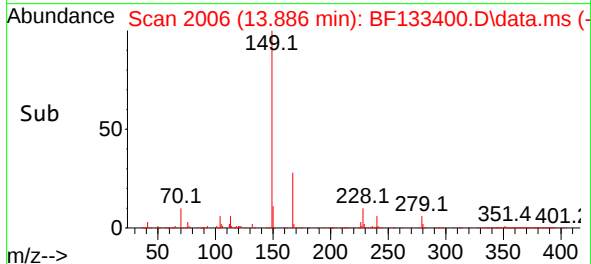
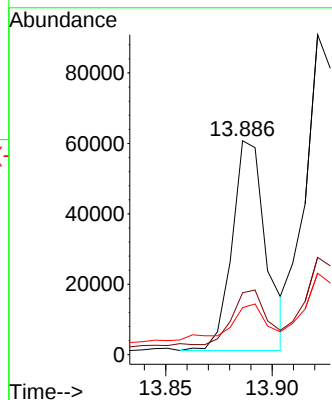
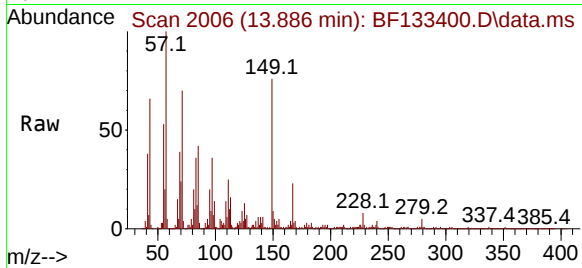




#81
Benzo(a)anthracene
Concen: 3.105 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.018 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

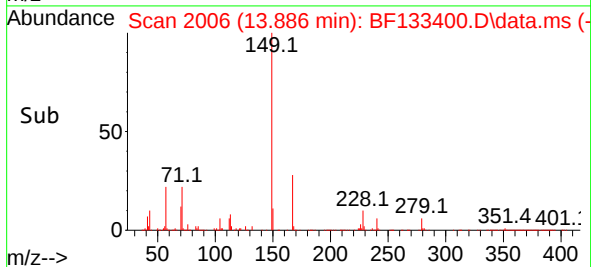
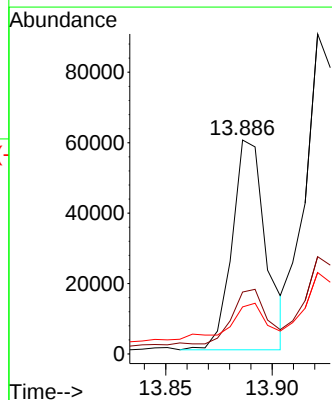
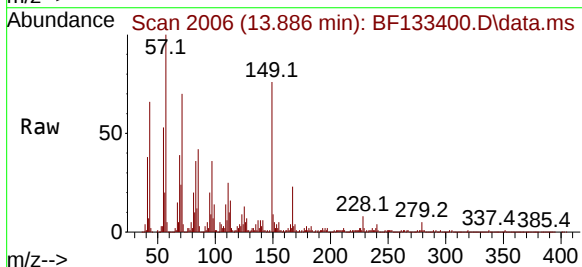
Instrument :
BNA_F
ClientSampleId :
ETGI-363DL

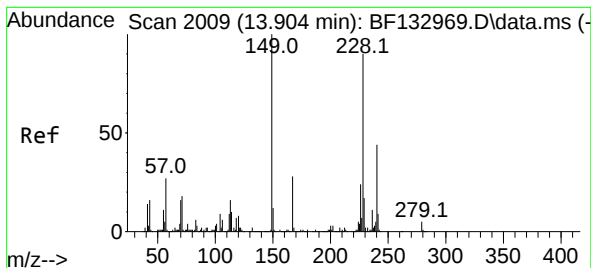
Tgt Ion:228 Resp: 65926
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 22.0 16.0 24.0



#83
Chrysene
Concen: 3.106 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.018 min
Lab File: BF133400.D
Acq: 16 May 2023 14:01

Tgt Ion:228 Resp: 65926
Ion Ratio Lower Upper
228 100
226 28.9 24.7 37.1
229 22.0 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 43.632 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.024 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

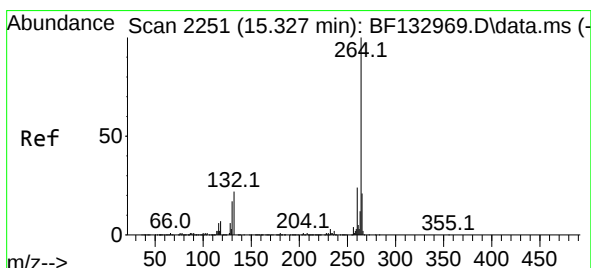
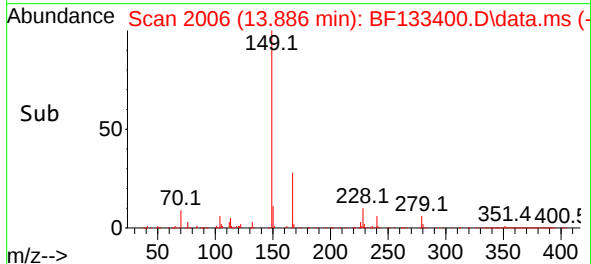
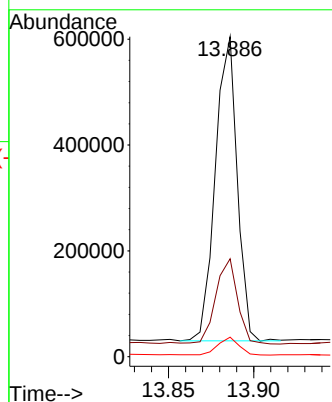
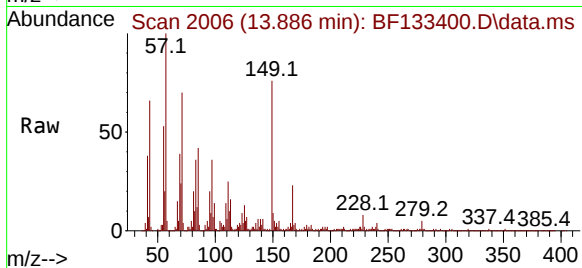
Tgt Ion:149 Resp: 513252

Ion Ratio Lower Upper

149 100

167 30.6 22.5 33.7

279 6.1 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.041 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

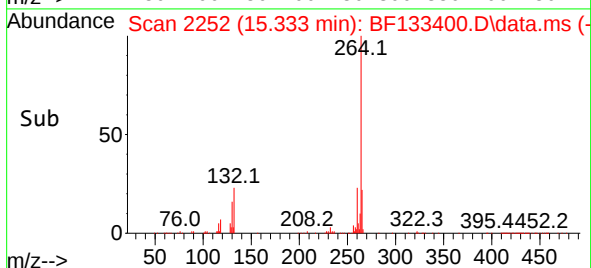
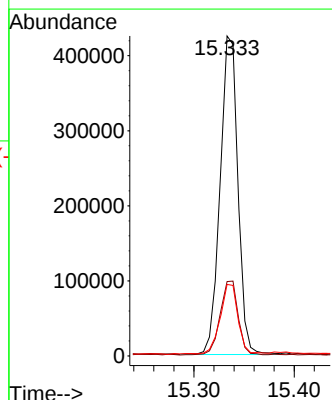
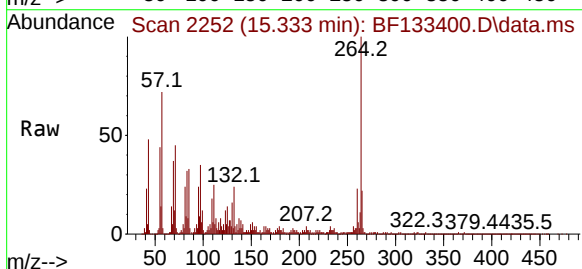
Tgt Ion:264 Resp: 522686

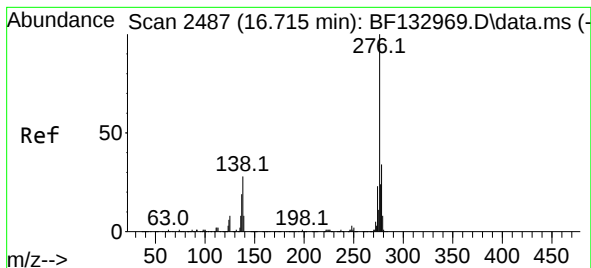
Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 22.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.680 ng

RT: 16.715 min Scan# 2487

Delta R.T. 0.035 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

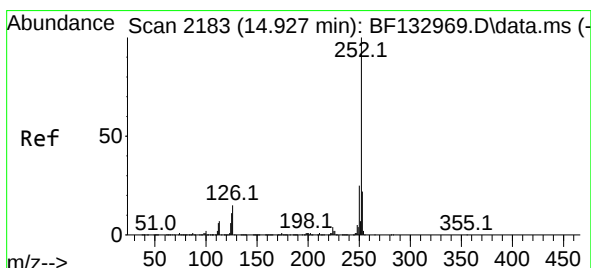
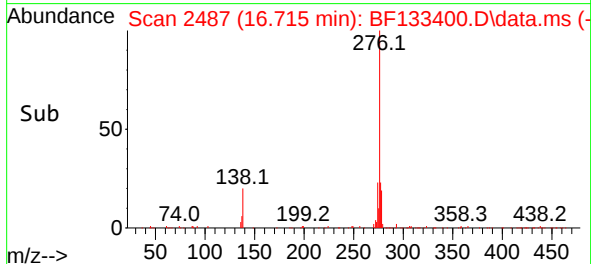
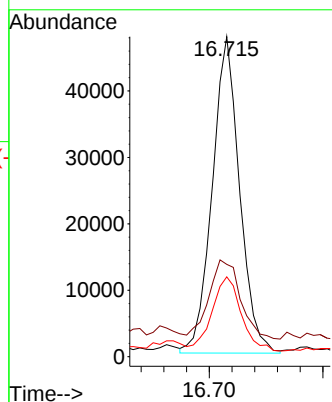
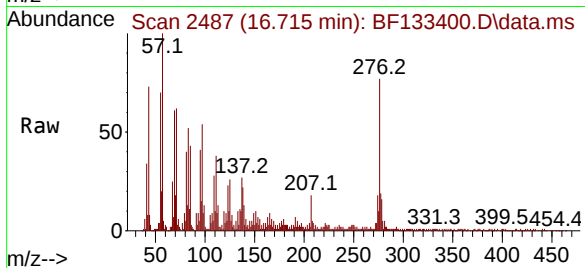
Tgt Ion:276 Resp: 79674

Ion Ratio Lower Upper

276 100

138 28.7 25.5 38.3

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 6.324 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.035 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

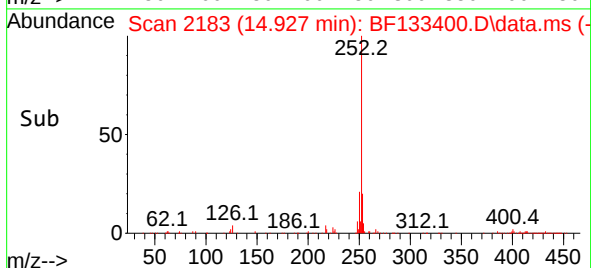
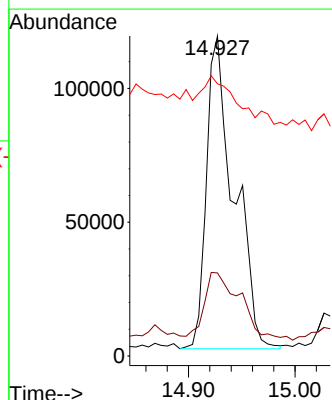
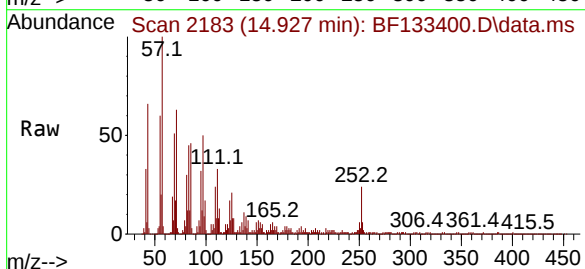
Tgt Ion:252 Resp: 210288

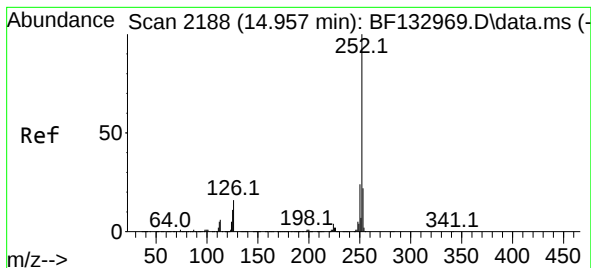
Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

125 85.1 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 6.380 ng

RT: 14.927 min Scan# 2188

Delta R.T. 0.006 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

Instrument :

BNA_F

ClientSampleId :

ETGI-363DL

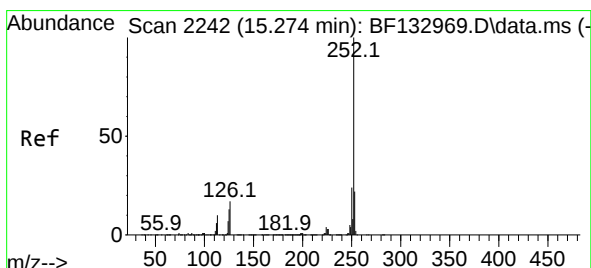
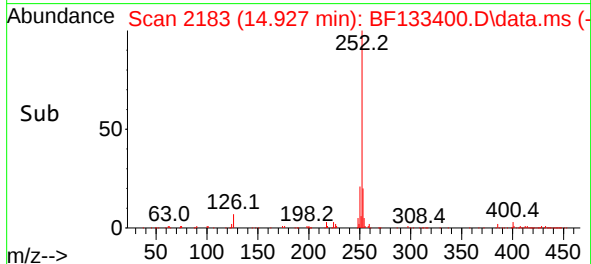
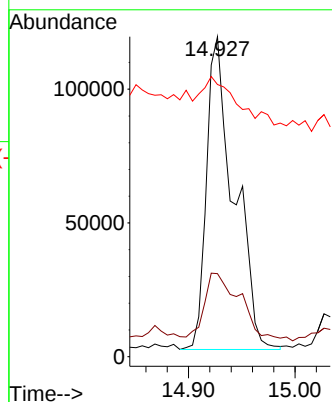
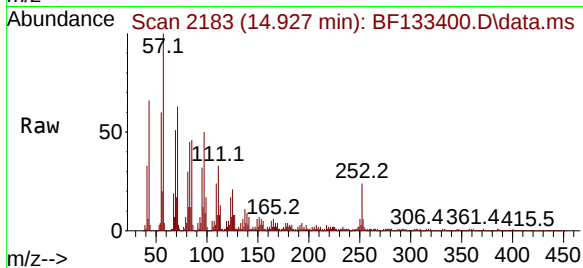
Tgt Ion:252 Resp: 210288

Ion Ratio Lower Upper

252 100

253 25.9 17.7 26.5

125 85.1 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 3.445 ng

RT: 15.274 min Scan# 2242

Delta R.T. 0.035 min

Lab File: BF133400.D

Acq: 16 May 2023 14:01

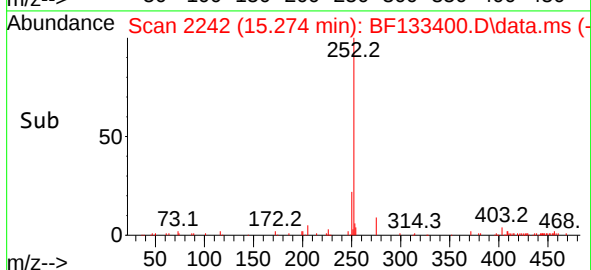
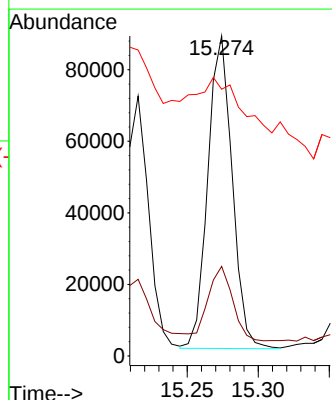
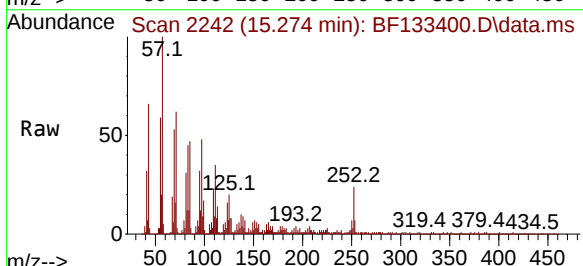
Tgt Ion:252 Resp: 104262

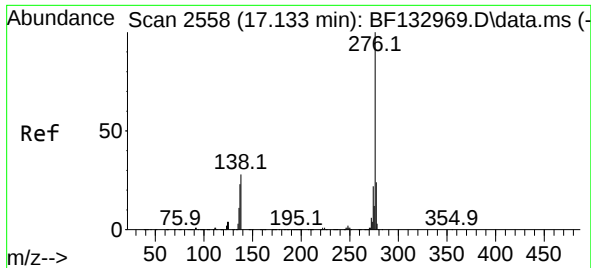
Ion Ratio Lower Upper

252 100

253 28.0 17.7 26.5#

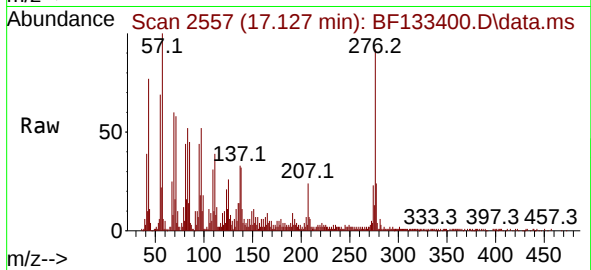
125 83.4 10.5 15.7#





#92
 Benzo(g,h,i)perylene
 Concen: 2.837 ng
 RT: 17.127 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF133400.D
 Acq: 16 May 2023 14:01

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-363DL



Tgt Ion:276 Resp: 69457
 Ion Ratio Lower Upper
 276 100
 277 25.6 19.4 29.0
 138 34.8 22.7 34.1#

