

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135519.D
 Acq On : 29 Sep 2023 16:44
 Operator : CG\JU
 Sample : 04606-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-327DL

Quant Time: Sep 30 00:22:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

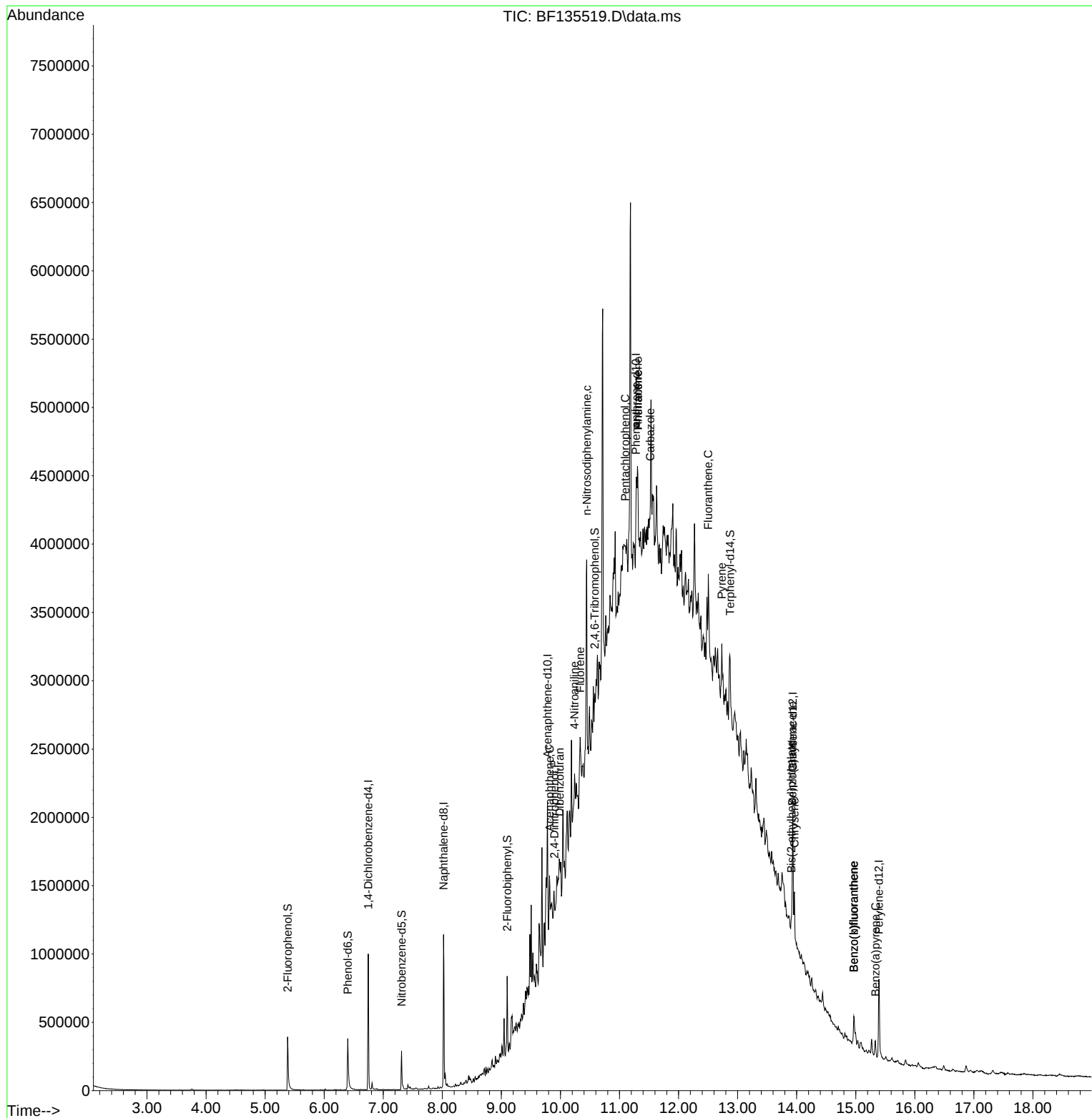
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	138580	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	475193	20.000	ng	# 0.00
39) Acenaphthene-d10	9.781	164	173605	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	211457	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	265641	20.000	ng	# 0.00
86) Perylene-d12	15.392	264	270914	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	131922	15.483	ng	0.00
7) Phenol-d6	6.398	99	164212	15.157	ng	0.00
23) Nitrobenzene-d5	7.310	82	90017	10.292	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	17786	10.309	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	158836	13.804	ng	-0.01
79) Terphenyl-d14	12.874	244	126433	7.378	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.816	154	30671	3.227	ng	95
54) 2,4-Dinitrophenol	9.898	184	57	6.284	ng	# 1
55) Dibenzofuran	9.986	168	56612	3.904	ng	# 87
58) Fluorene	10.333	166	40210	3.607	ng	# 89
62) 4-Nitroaniline	10.239	138	11266	3.883	ng	88
66) n-Nitrosodiphenylamine	10.445	169	18569	2.901	ng	# 63
70) Pentachlorophenol	11.098	266	7081	5.524	ng	97
71) Phenanthrene	11.310	178	300194	30.016	ng	96
72) Anthracene	11.310	178	300194	29.202	ng	97
73) Carbazole	11.522	167	20410	2.181	ng	# 24
75) Fluoranthene	12.504	202	278076	26.684	ng	96
78) Pyrene	12.733	202	217997	8.620	ng	96
81) Benzo(a)anthracene	13.927	228	94886	5.532	ng	94
83) Chrysene	13.963	228	149911	8.790	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	28772	3.149	ng	95
88) Benzo(b)fluoranthene	14.968	252	145566	9.926	ng	# 91
89) Benzo(k)fluoranthene	14.968	252	145566	10.048	ng	# 91
90) Benzo(a)pyrene	15.333	252	47905	3.425	ng	# 91

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

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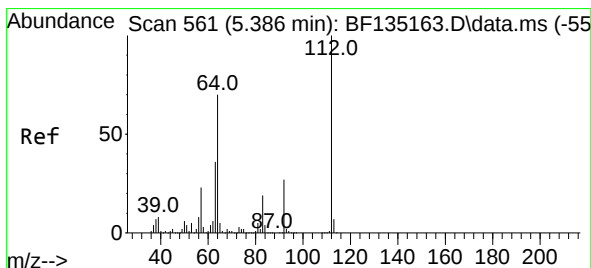
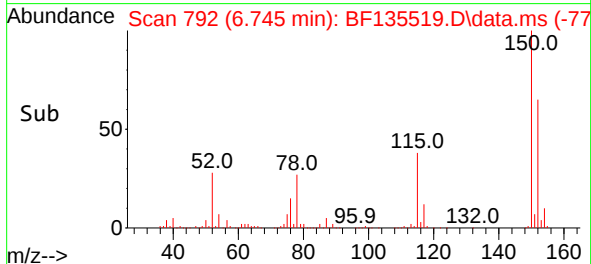
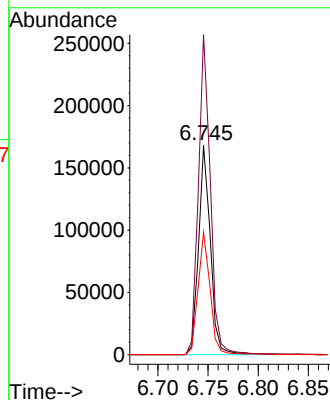
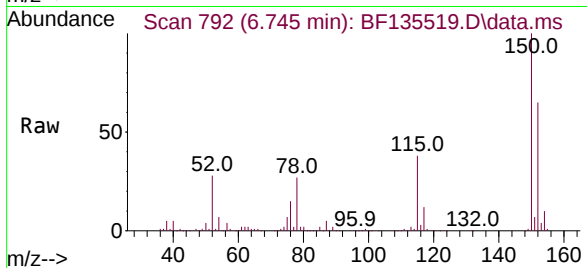




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

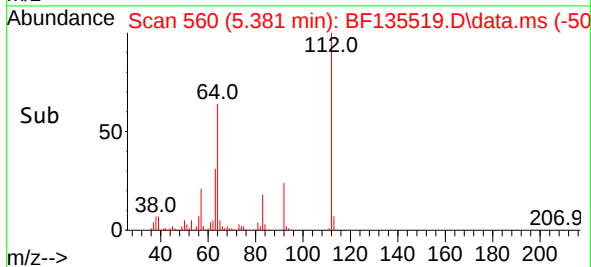
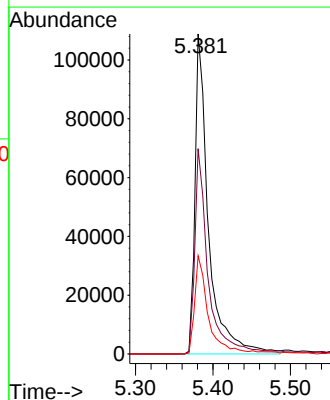
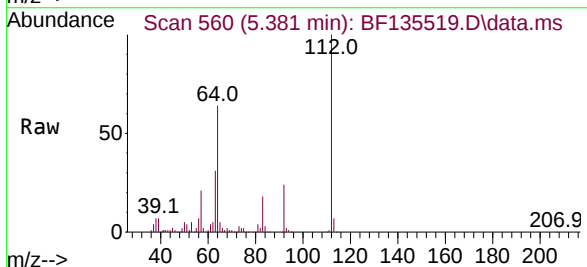
Instrument :
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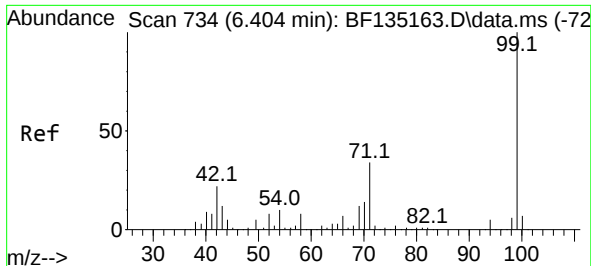
Tgt Ion:152 Resp: 138580
 Ion Ratio Lower Upper
 152 100
 150 152.9 127.8 191.6
 115 58.5 49.8 74.8



#5
 2-Fluorophenol
 Concen: 15.483 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.000 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

Tgt Ion:112 Resp: 131922
 Ion Ratio Lower Upper
 112 100
 64 64.2 55.9 83.9
 63 30.7 29.0 43.6

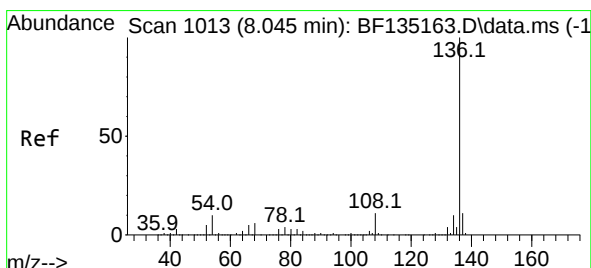
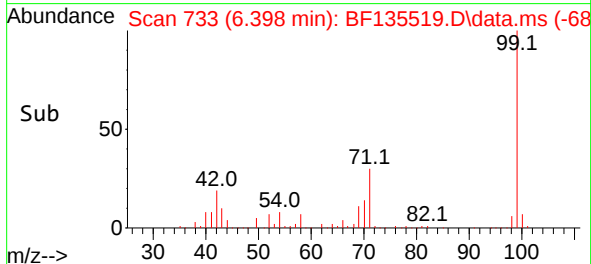
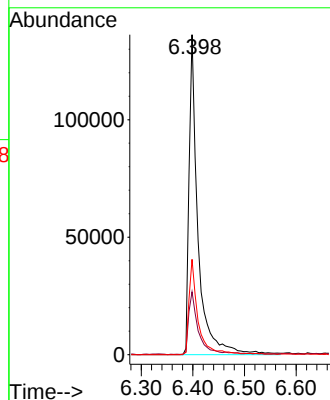
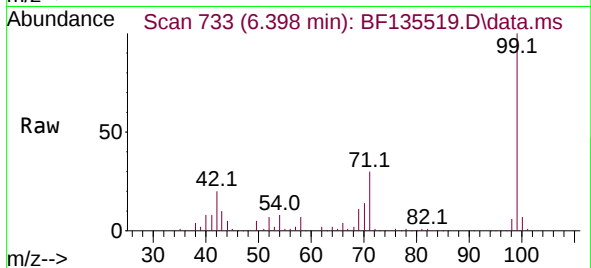




#7
Phenol-d6
Concen: 15.157 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

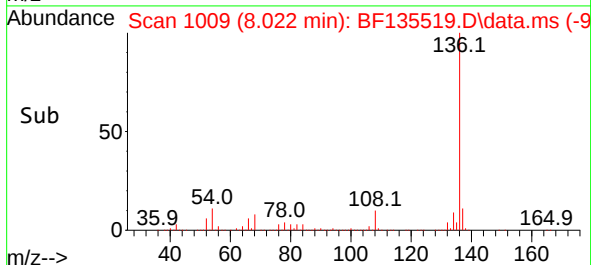
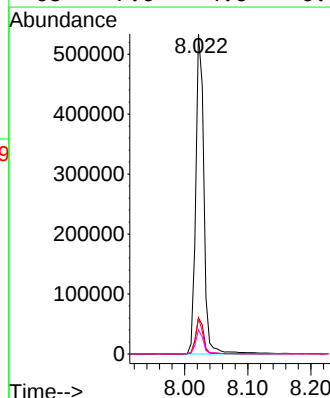
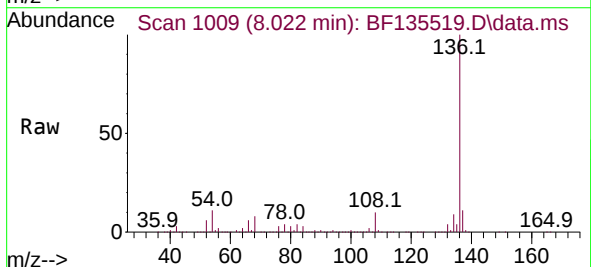
Instrument :
BNA_F
ClientSampleId :
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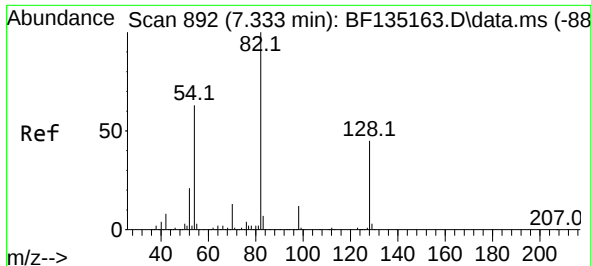
Tgt Ion: 99 Resp: 164212
Ion Ratio Lower Upper
99 100
42 19.6 17.9 26.9
71 29.8 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion: 136 Resp: 475193
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 7.7 11.5
68 7.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 10.292 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135519.D

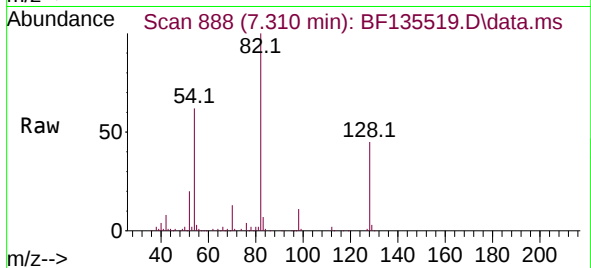
Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL



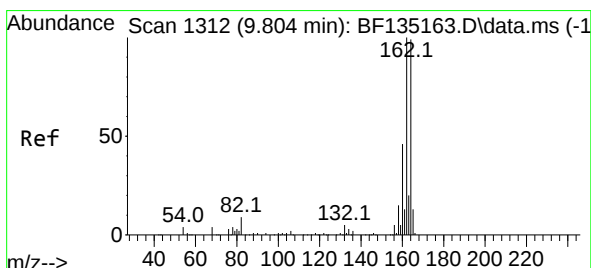
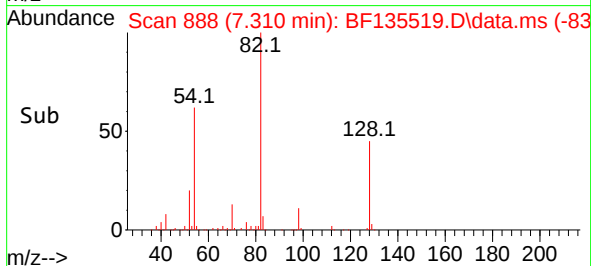
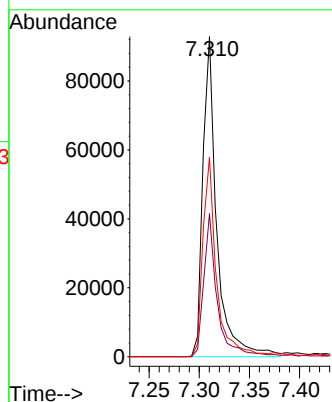
Tgt Ion: 82 Resp: 90017

Ion Ratio Lower Upper

82 100

128 44.7 35.8 53.6

54 62.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

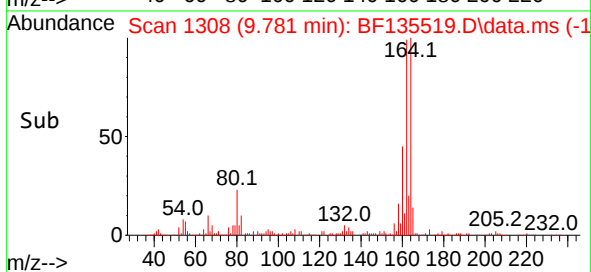
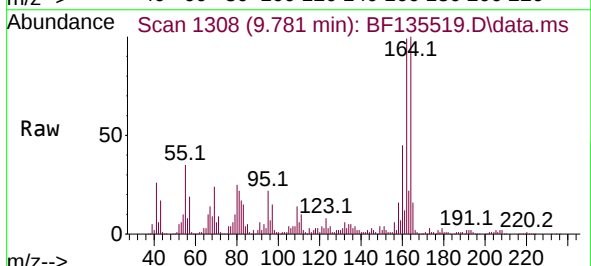
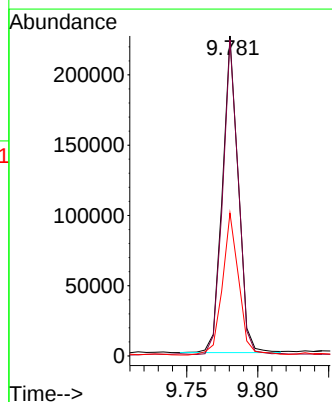
Tgt Ion: 164 Resp: 173605

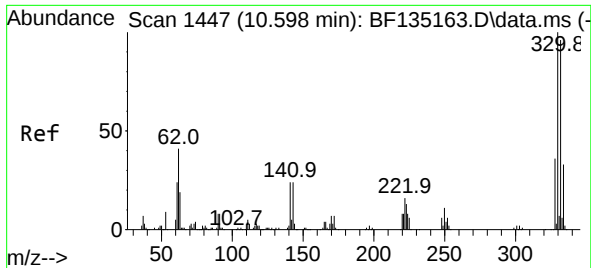
Ion Ratio Lower Upper

164 100

162 98.8 81.0 121.4

160 44.6 37.0 55.4

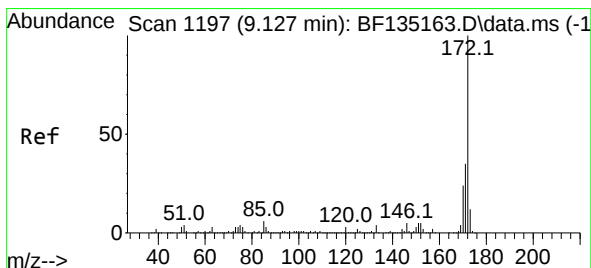
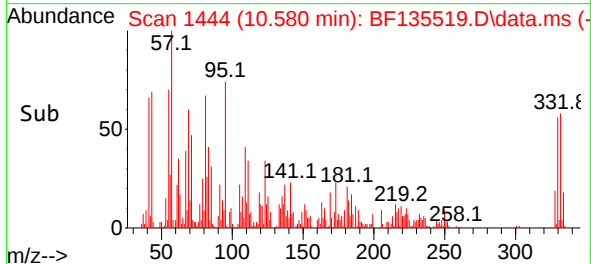
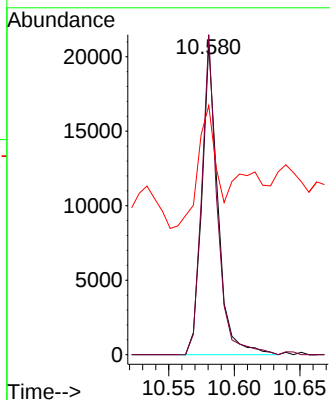
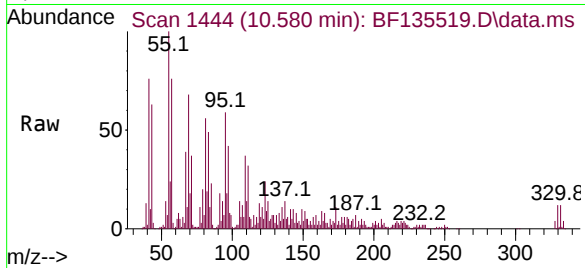




#42
2,4,6-Tribromophenol
Concen: 10.309 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

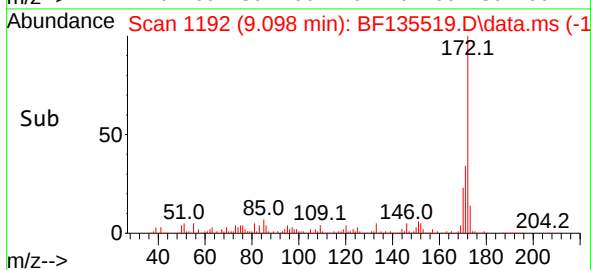
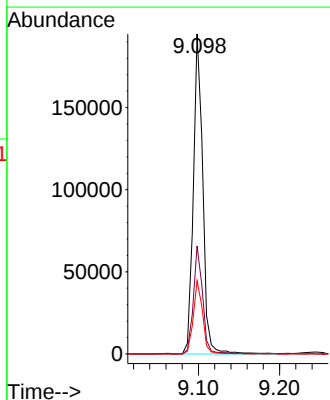
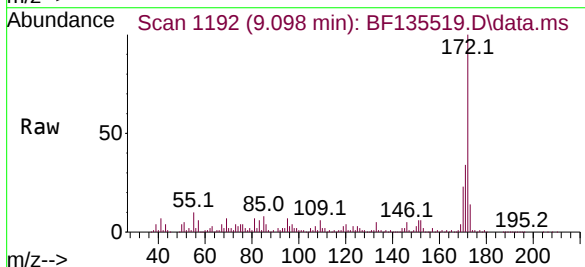
Instrument :
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ClientSampleId :
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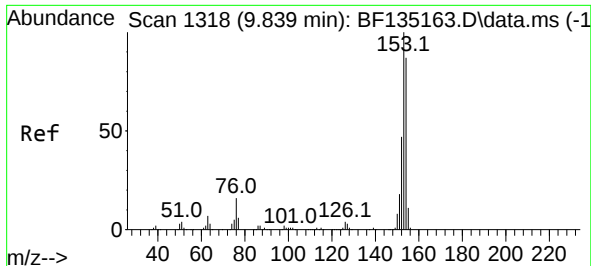
Tgt Ion:330 Resp: 17786
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 45.4 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 13.804 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:172 Resp: 158836
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.9 19.0 28.4

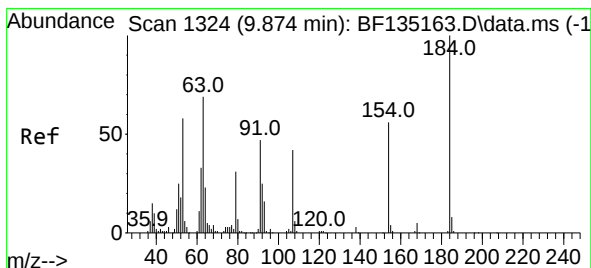
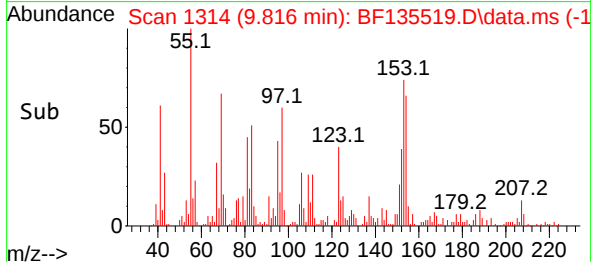
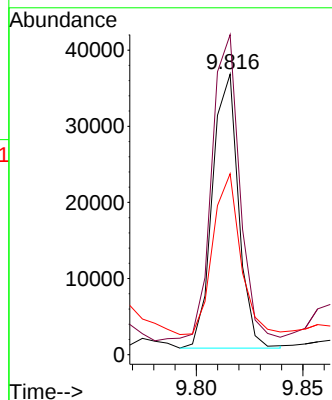
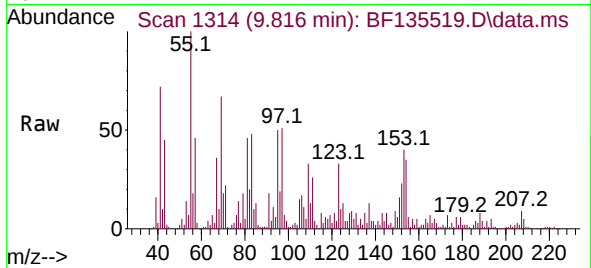




#52
Acenaphthene
Concen: 3.227 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

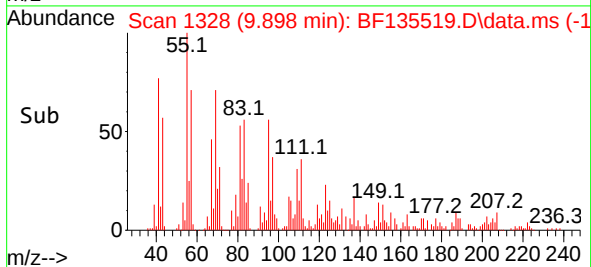
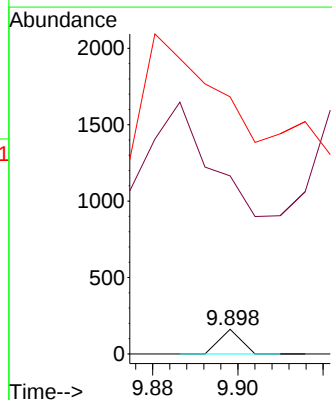
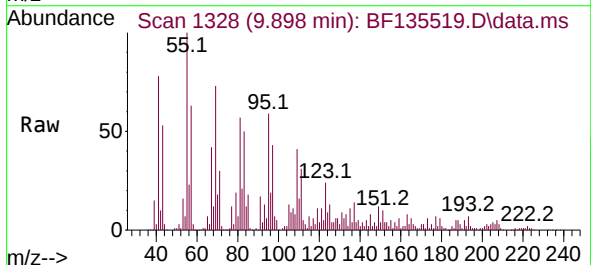
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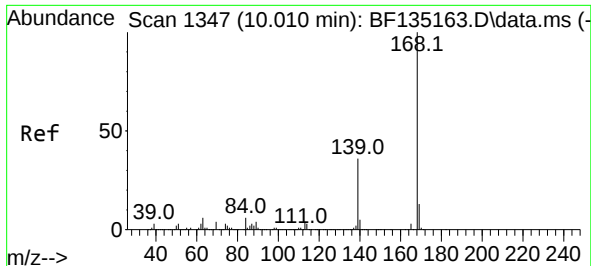
Tgt Ion:154 Resp: 30671
Ion Ratio Lower Upper
154 100
153 114.1 92.1 138.1
152 64.5 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.284 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.029 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 723.6 55.1 82.7#
154 1045.3 48.4 72.6#

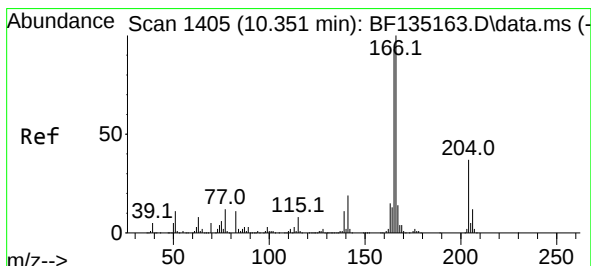
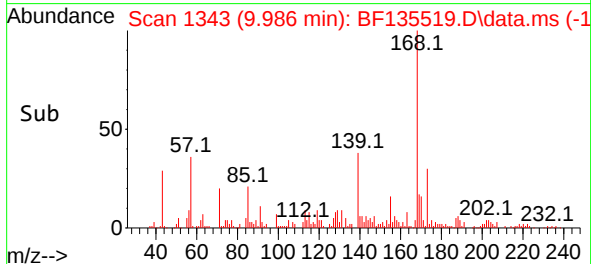
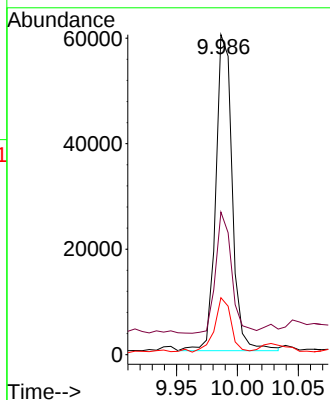
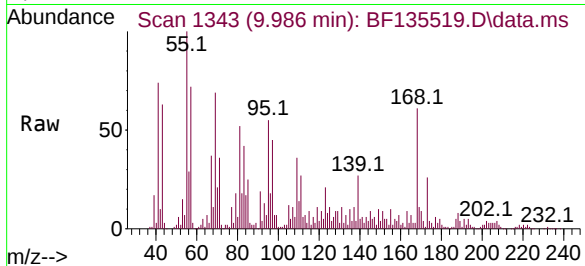




#55
Dibenzenofuran
Concen: 3.904 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

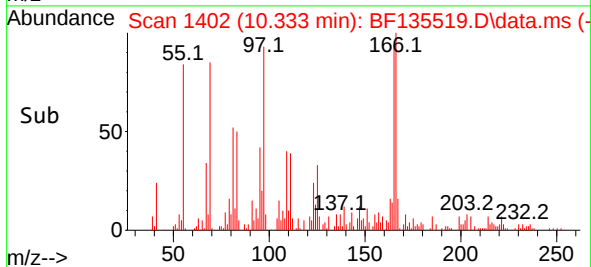
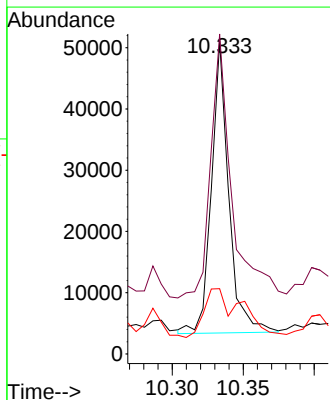
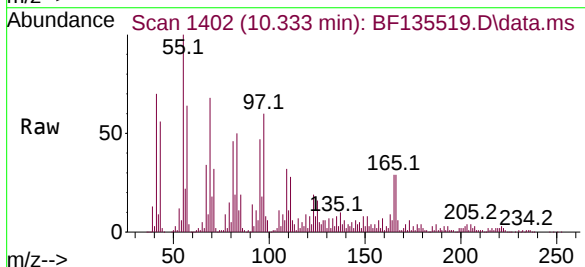
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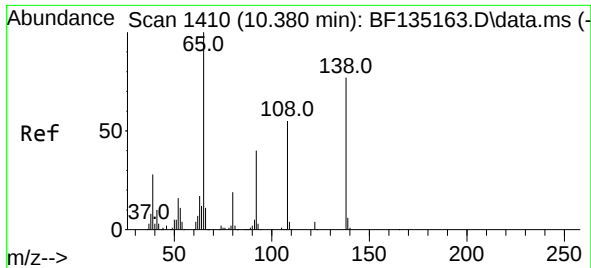
Tgt Ion:168 Resp: 56612
Ion Ratio Lower Upper
168 100
139 44.5 29.0 43.6#
169 17.8 10.4 15.6#



#58
Fluorene
Concen: 3.607 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:166 Resp: 40210
Ion Ratio Lower Upper
166 100
165 102.3 74.3 111.5
167 20.9 10.9 16.3#

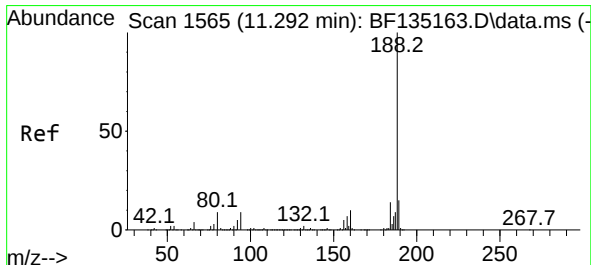
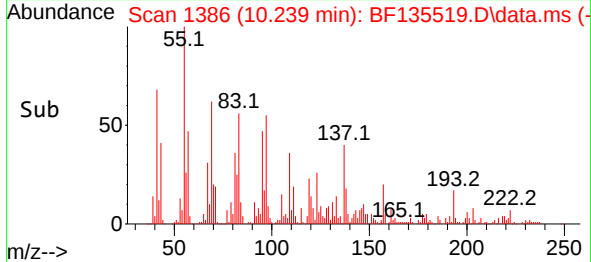
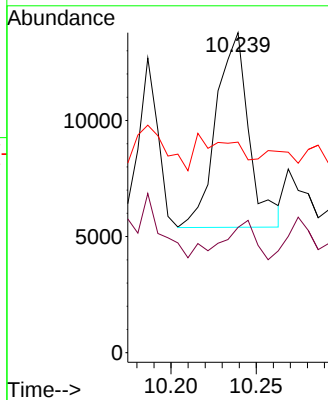
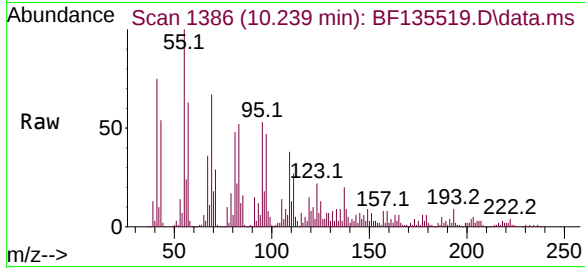




#62
4-Nitroaniline
Concen: 3.883 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.135 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

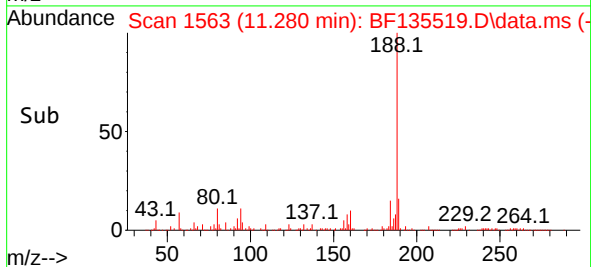
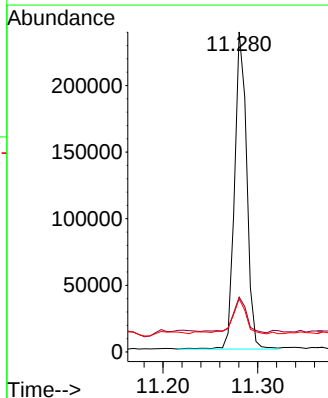
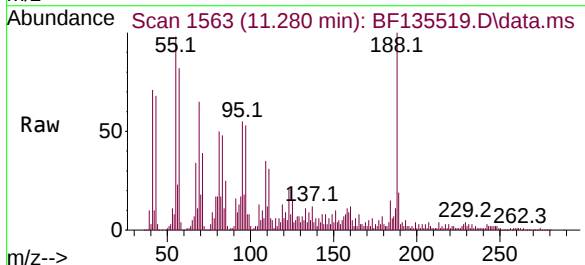
Instrument :
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ETGI-327DL

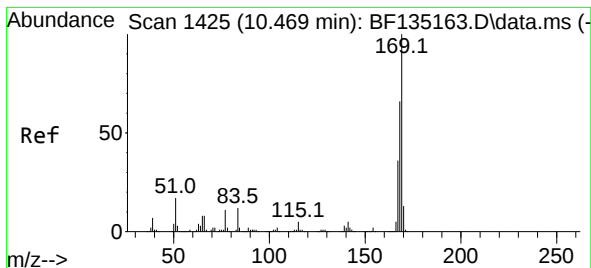
Tgt Ion:138 Resp: 11266
Ion Ratio Lower Upper
138 100
92 39.1 31.8 71.8
108 65.8 52.0 92.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BF135519.D
Acq: 29 Sep 2023 16:44

Tgt Ion:188 Resp: 211457
Ion Ratio Lower Upper
188 100
94 17.1 7.0 10.6#
80 16.6 7.5 11.3#





#66

n-Nitrosodiphenylamine

Concen: 2.901 ng

RT: 10.445 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

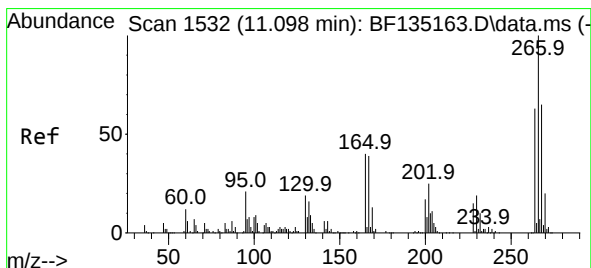
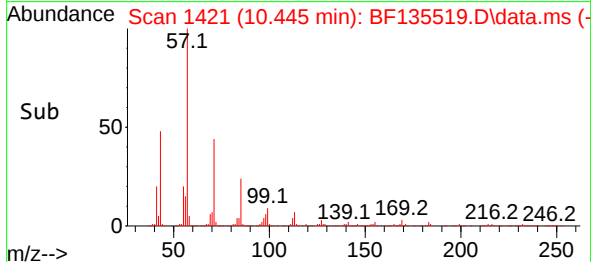
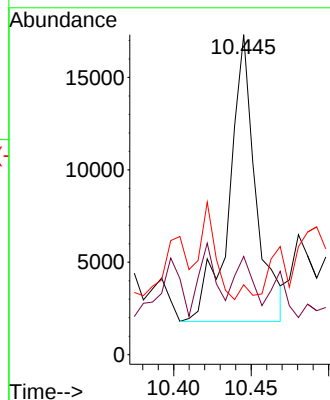
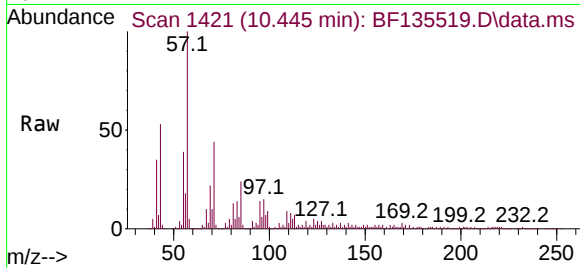
Tgt Ion:169 Resp: 18569

Ion Ratio Lower Upper

169 100

168 30.7 52.8 79.2#

167 21.8 29.0 43.6#



#70

Pentachlorophenol

Concen: 5.524 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.012 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

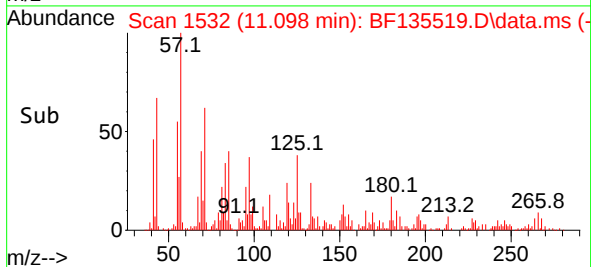
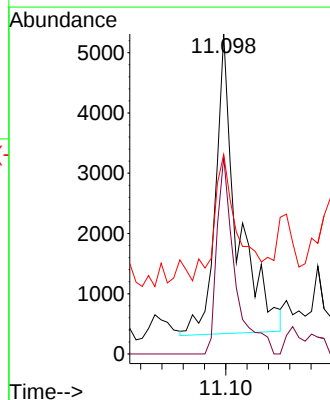
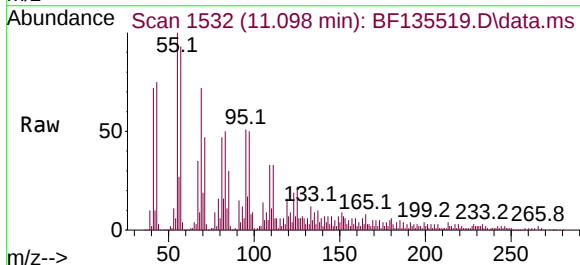
Tgt Ion:266 Resp: 7081

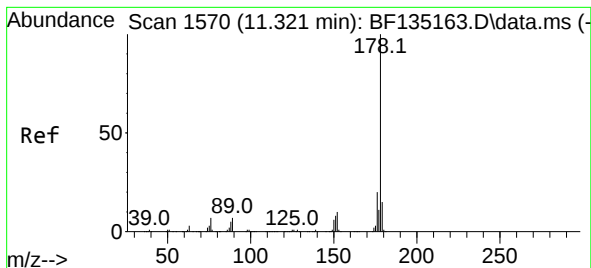
Ion Ratio Lower Upper

266 100

268 61.7 52.1 78.1

264 62.3 50.8 76.2





#71

Phenanthrene

Concen: 30.016 ng

RT: 11.310 min Scan# 1568

Delta R.T. 0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

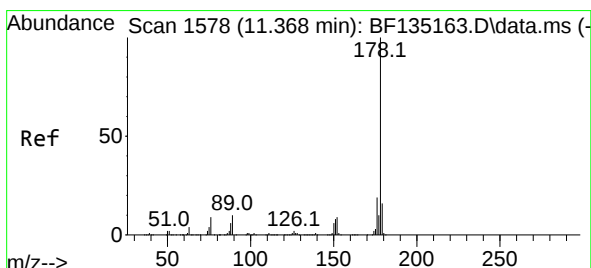
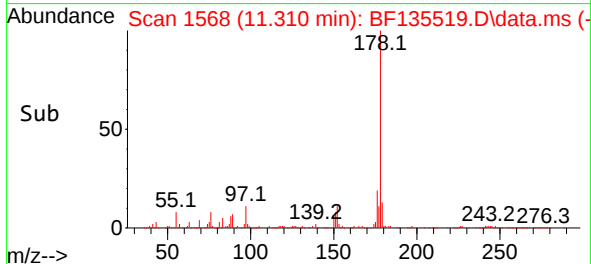
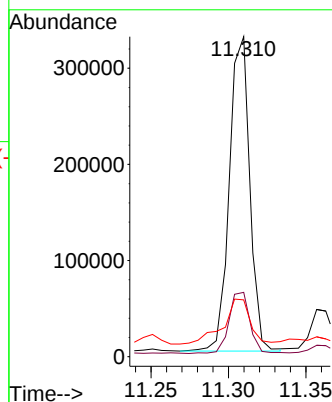
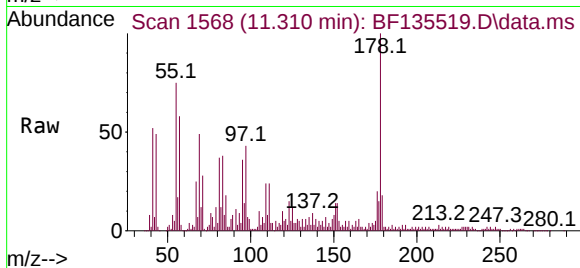
Tgt Ion:178 Resp: 300194

Ion Ratio Lower Upper

178 100

176 20.1 15.6 23.4

179 17.7 12.0 18.0



#72

Anthracene

Concen: 29.202 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.047 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

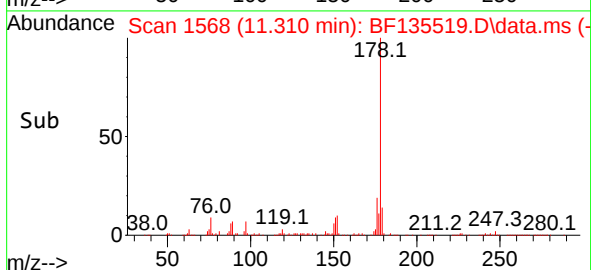
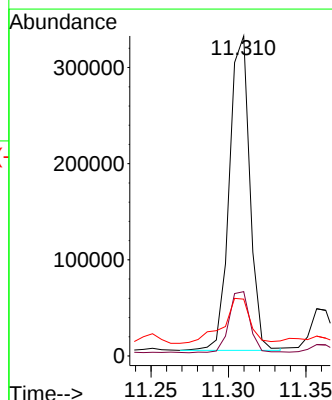
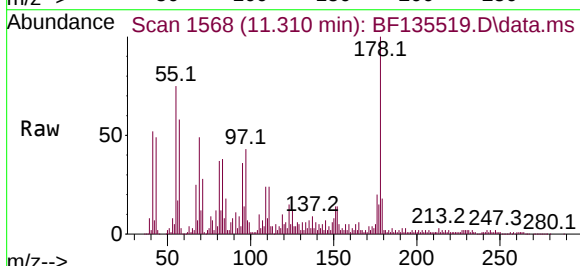
Tgt Ion:178 Resp: 300194

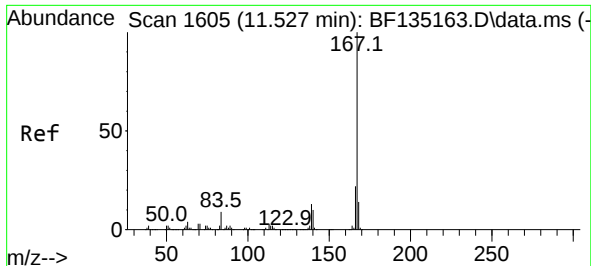
Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

179 17.7 12.6 19.0

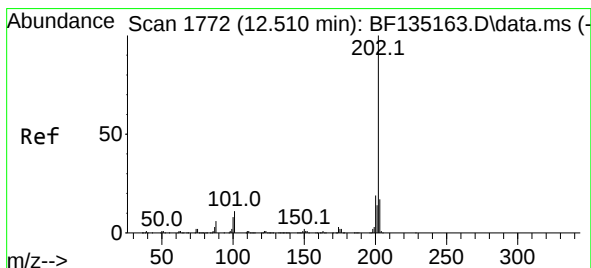
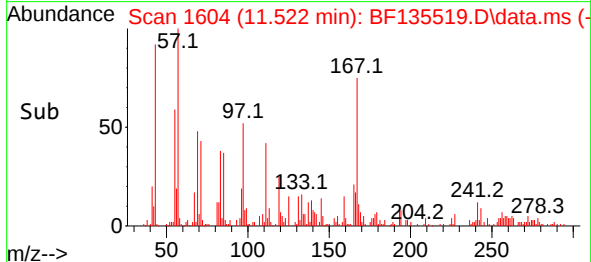
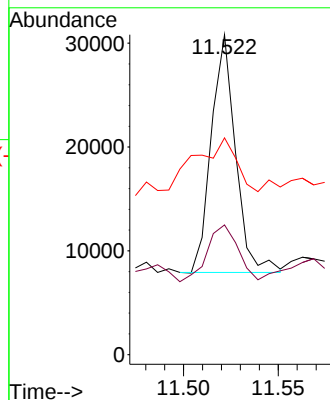
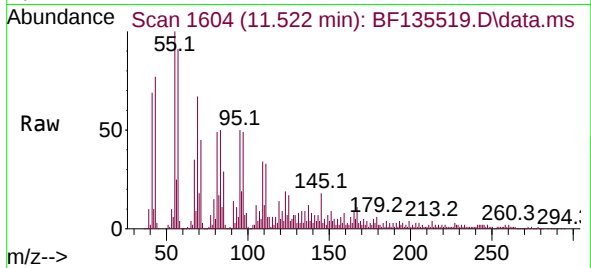




#73
 Carbazole
 Concen: 2.181 ng
 RT: 11.522 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

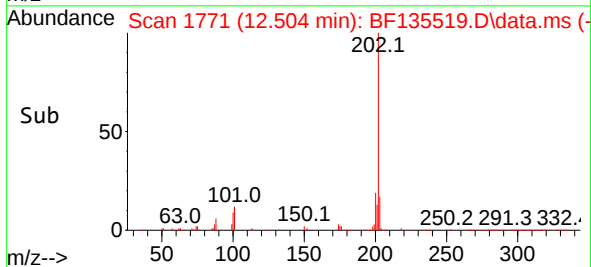
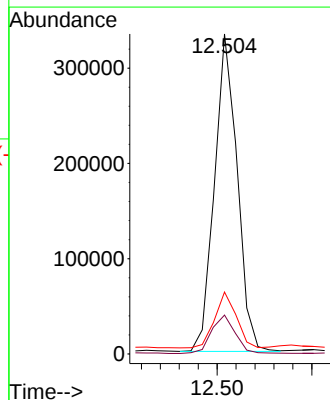
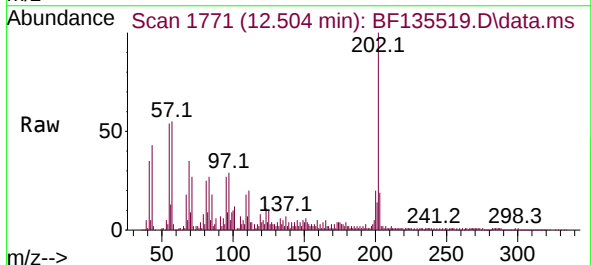
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-327DL

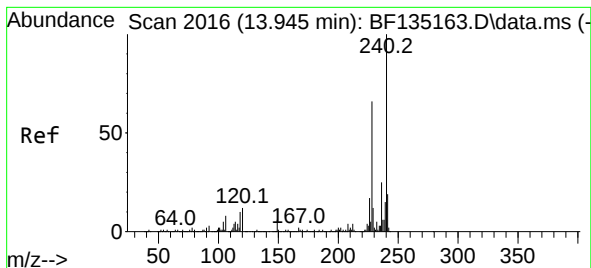
Tgt Ion:167 Resp: 20410
 Ion Ratio Lower Upper
 167 100
 166 40.5 17.4 26.0#
 139 67.7 10.6 15.8#



#75
 Fluoranthene
 Concen: 26.684 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. 0.006 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

Tgt Ion:202 Resp: 278076
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.3
 203 19.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

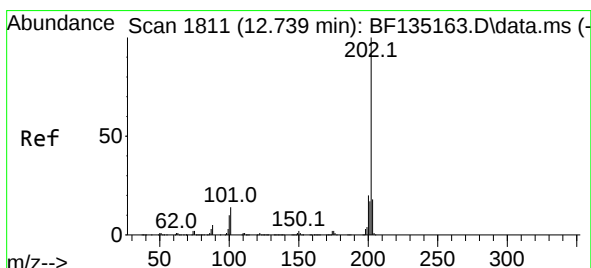
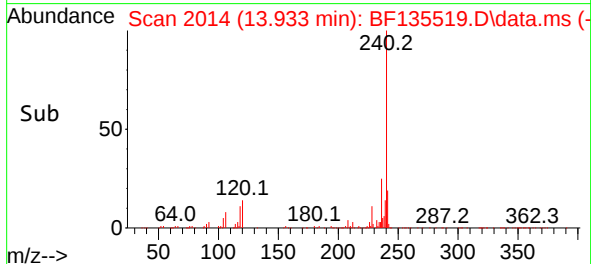
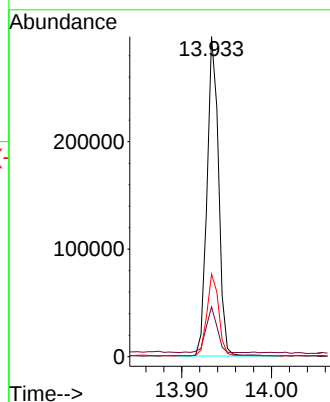
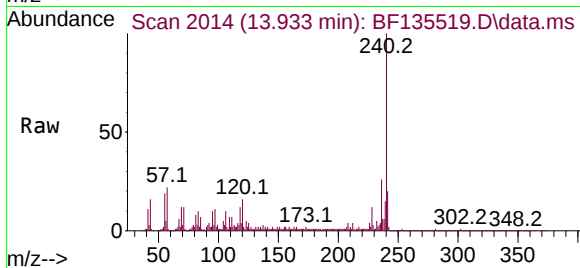
Tgt Ion:240 Resp: 265641

Ion Ratio Lower Upper

240 100

120 15.5 9.4 14.2#

236 25.8 19.8 29.8



#78

Pyrene

Concen: 8.620 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

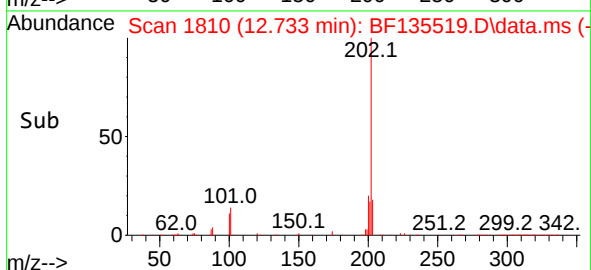
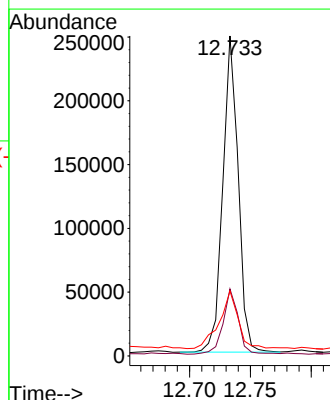
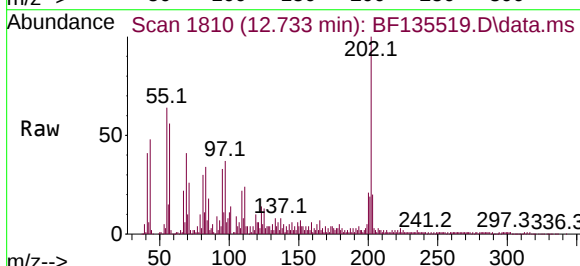
Tgt Ion:202 Resp: 217997

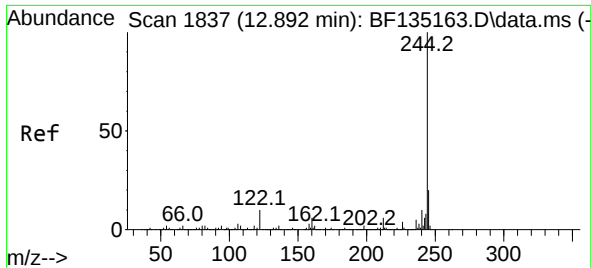
Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.2

203 20.3 14.2 21.4

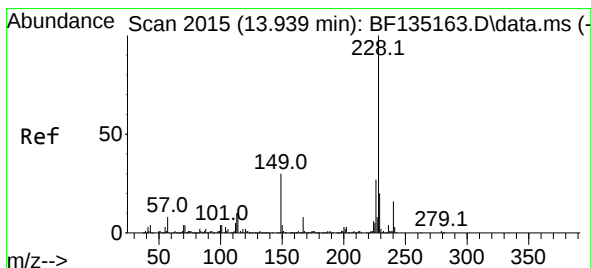
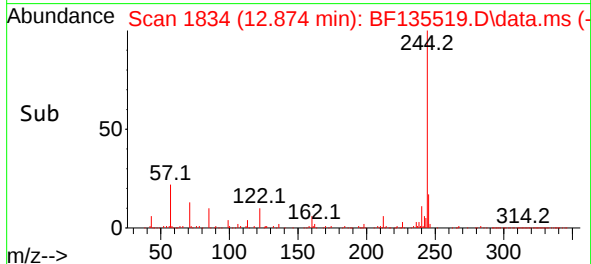
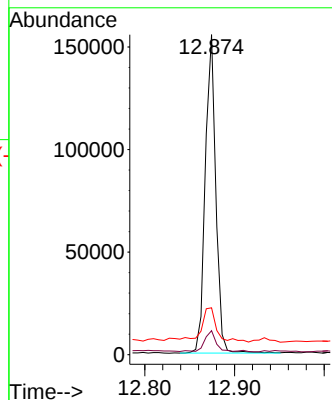
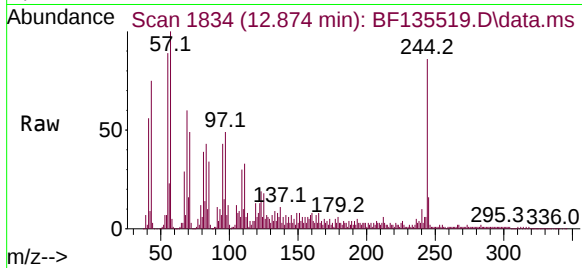




#79
 Terphenyl-d14
 Concen: 7.378 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

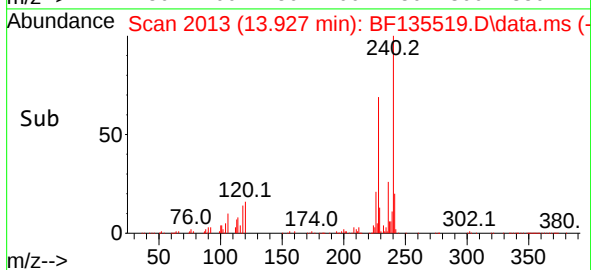
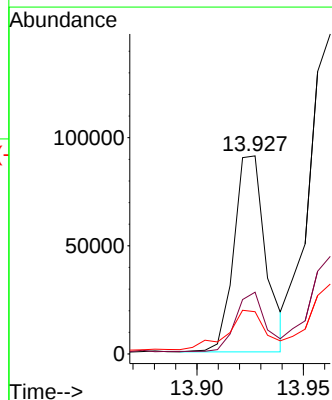
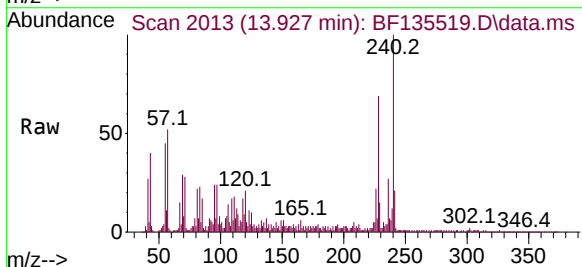
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-327DL

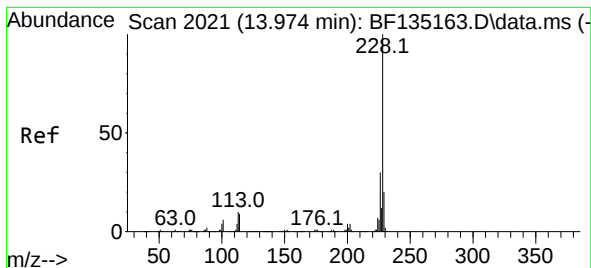
Tgt Ion:244 Resp: 126433
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.1 7.7
 122 14.7 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 5.532 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: BF135519.D
 Acq: 29 Sep 2023 16:44

Tgt Ion:228 Resp: 94886
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.7 32.5
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 8.790 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

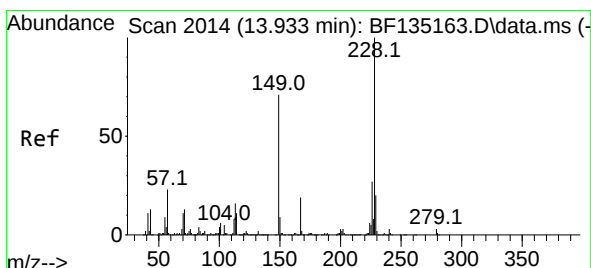
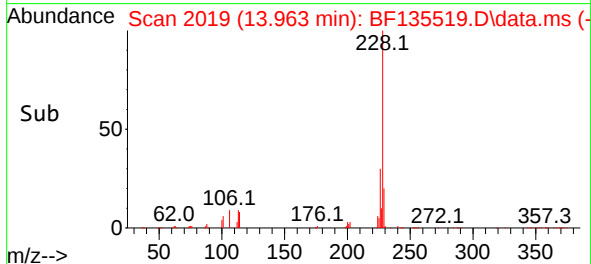
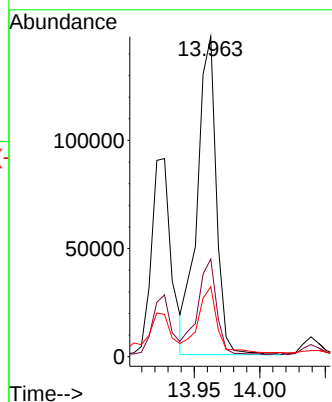
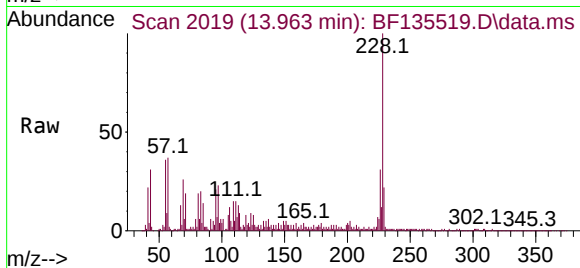
Tgt Ion:228 Resp: 149911

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 21.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.149 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

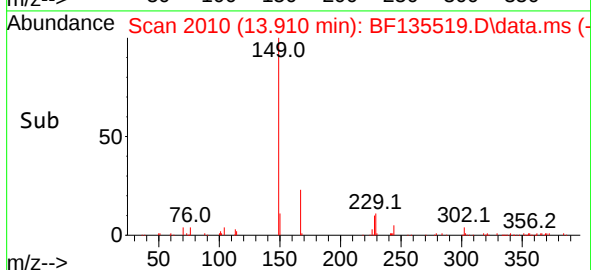
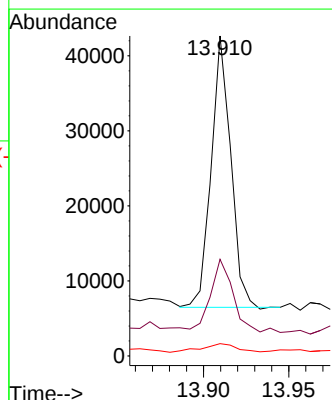
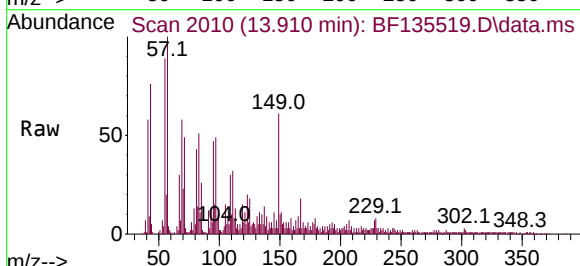
Tgt Ion:149 Resp: 28772

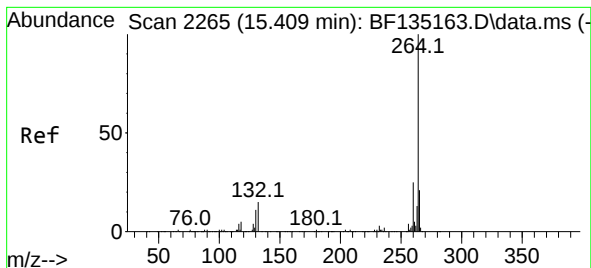
Ion Ratio Lower Upper

149 100

167 30.2 21.9 32.9

279 3.9 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

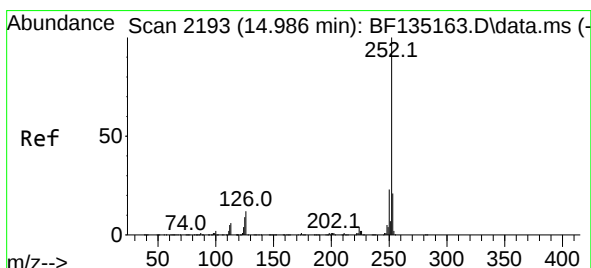
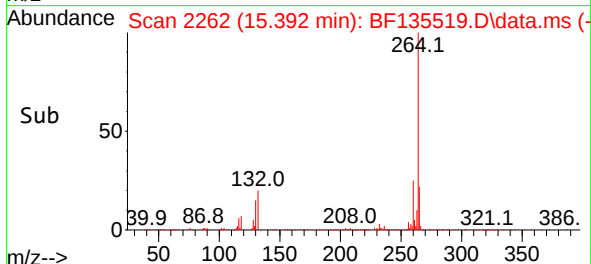
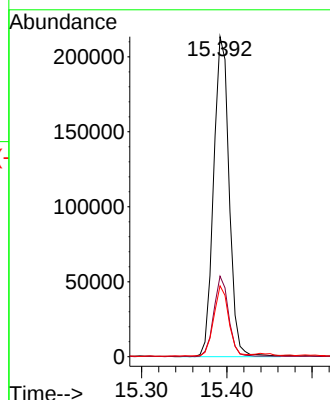
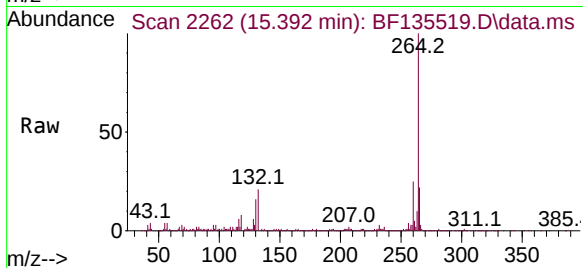
Tgt Ion:264 Resp: 270914

Ion Ratio Lower Upper

264 100

260 25.1 19.8 29.6

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 9.926 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

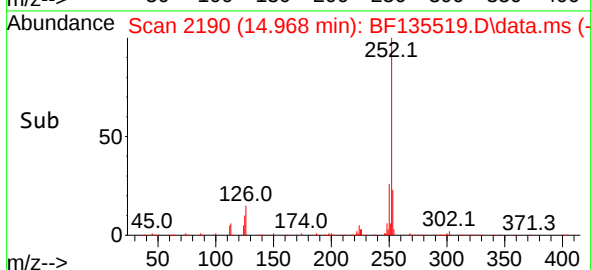
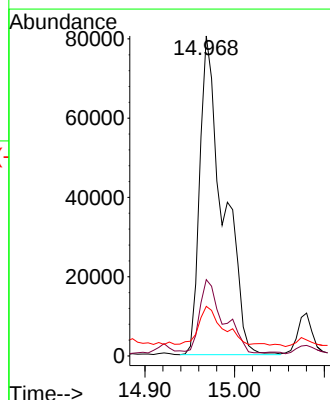
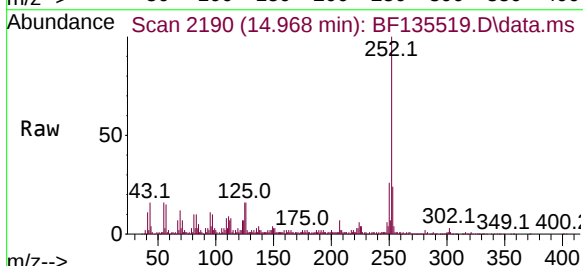
Tgt Ion:252 Resp: 145566

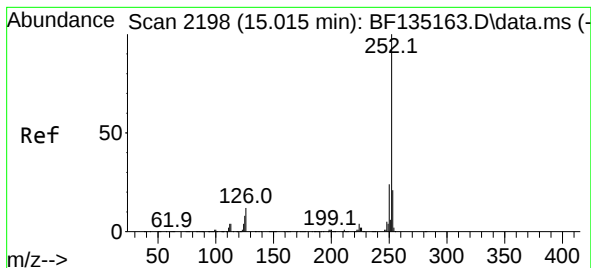
Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

125 15.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 10.048 ng

RT: 14.968 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Instrument :

BNA_F

ClientSampleId :

ETGI-327DL

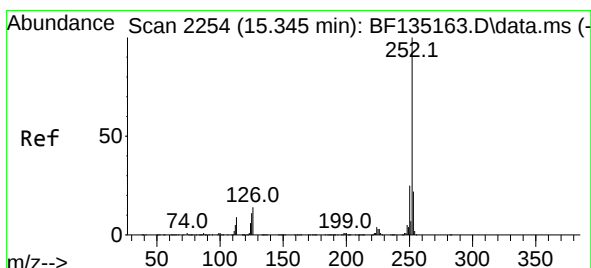
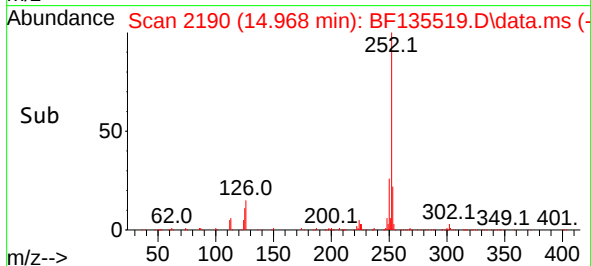
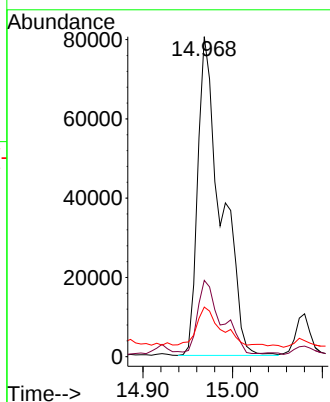
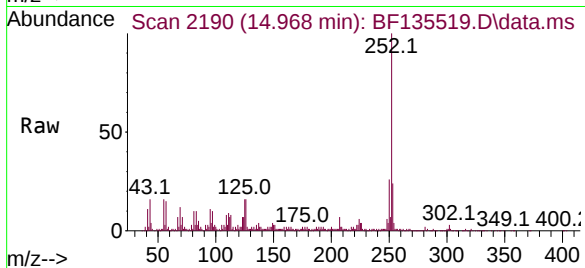
Tgt Ion:252 Resp: 145566

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 15.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 3.425 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.000 min

Lab File: BF135519.D

Acq: 29 Sep 2023 16:44

Tgt Ion:252 Resp: 47905

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 18.5 9.2 13.8#

