

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101023\
 Data File : BF135700.D
 Acq On : 10 Oct 2023 23:12
 Operator : CG\JU
 Sample : 04784-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

Quant Time: Oct 11 03:06:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

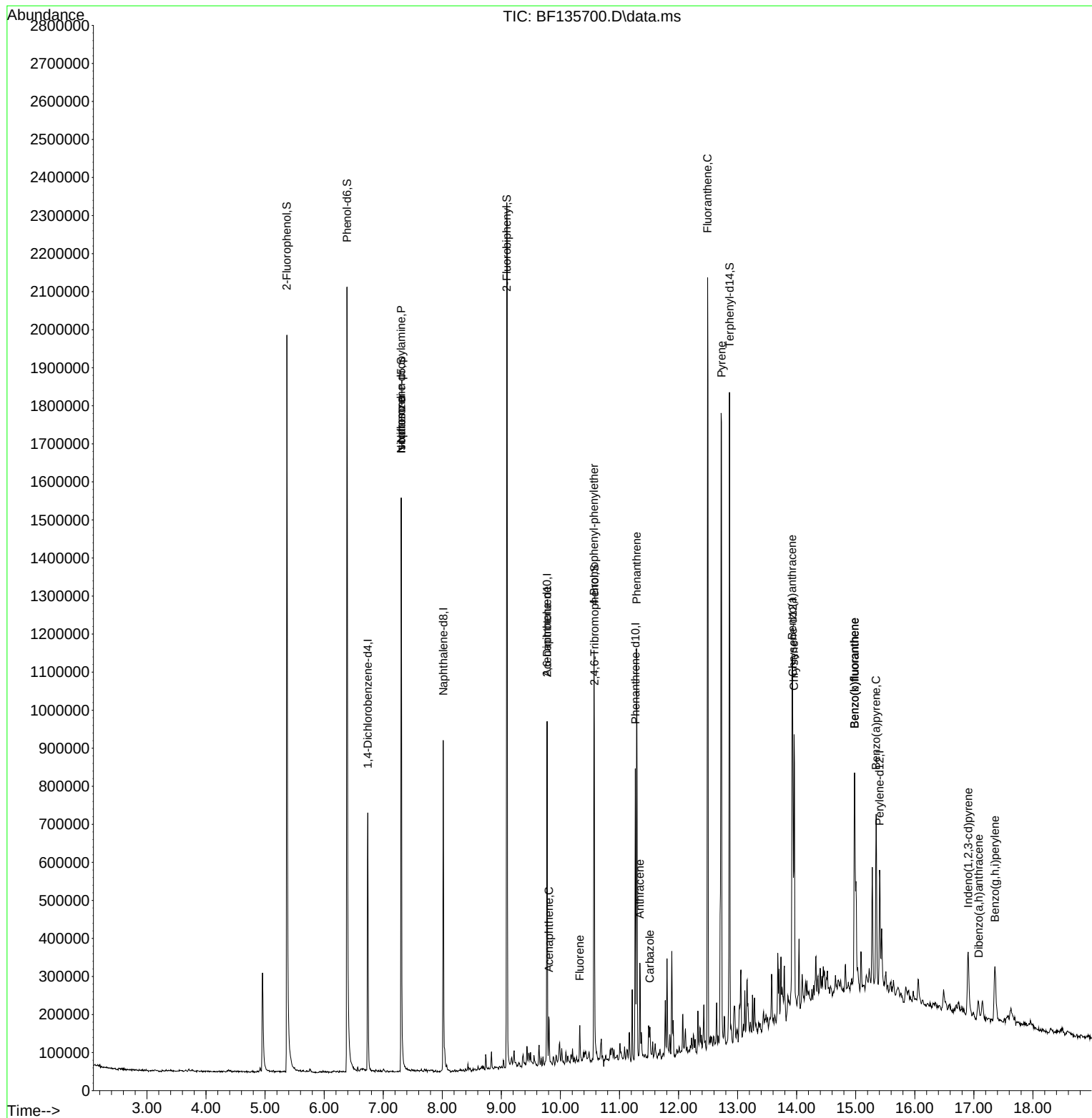
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	103821	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	356984	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	164898	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	255116	20.000	ng	0.00
76) Chrysene-d12	13.933	240	163205	20.000	ng	0.00
86) Perylene-d12	15.404	264	143856	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	595226	93.247	ng	0.00
7) Phenol-d6	6.387	99	741123	91.308	ng	0.00
23) Nitrobenzene-d5	7.304	82	450219	68.519	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	128804	78.602	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	761162	69.642	ng	0.00
79) Terphenyl-d14	12.863	244	558878	53.085	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	58288	11.594	ng	# 82
25) Isophorone	7.304	82	450219	37.314	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	22128	9.060	ng	# 17
52) Acenaphthene	9.804	154	26126	2.894	ng	98
58) Fluorene	10.328	166	26067	2.462	ng	91
67) 4-Bromophenyl-phenylether	10.569	248	8305	3.273	ng	# 1
71) Phenanthrene	11.292	178	389402	32.273	ng	100
72) Anthracene	11.345	178	102230	8.243	ng	100
73) Carbazole	11.516	167	24308	2.153	ng	94
75) Fluoranthene	12.492	202	856109	68.094	ng	99
78) Pyrene	12.727	202	750361	48.291	ng	99
81) Benzo(a)anthracene	13.921	228	334675	31.757	ng	97
83) Chrysene	13.957	228	299540	28.588	ng	98
87) Indeno(1,2,3-cd)pyrene	16.904	276	125937	13.352	ng	97
88) Benzo(b)fluoranthene	14.980	252	415702	53.381	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	415702	54.039	ng	# 97
90) Benzo(a)pyrene	15.345	252	222009	29.895	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	21681	2.809	ng	92
92) Benzo(g,h,i)perylene	17.357	276	124670	15.468	ng	97

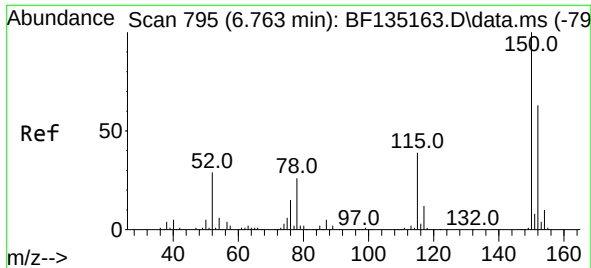
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101023\
Data File : BF135700.D
Acq On : 10 Oct 2023 23:12
Operator : CG\JU
Sample : 04784-01RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

Quant Time: Oct 11 03:06:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 02:43:17 2023
Response via : Initial Calibration

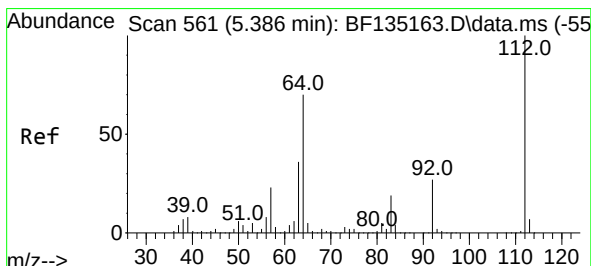
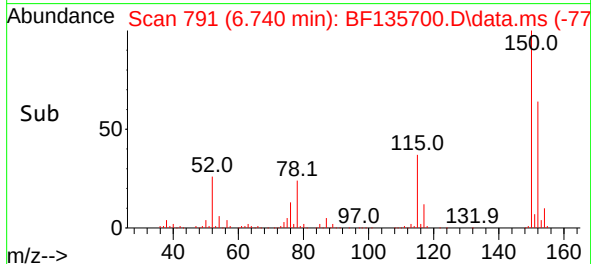
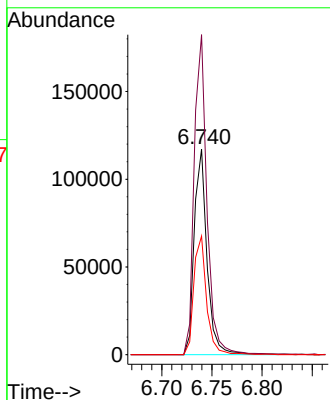
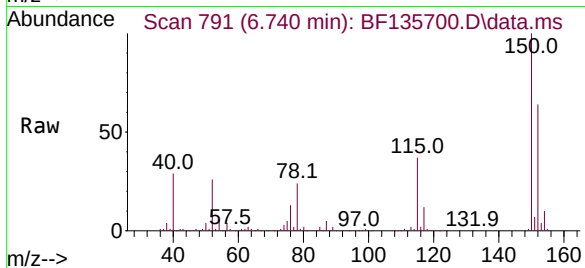




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

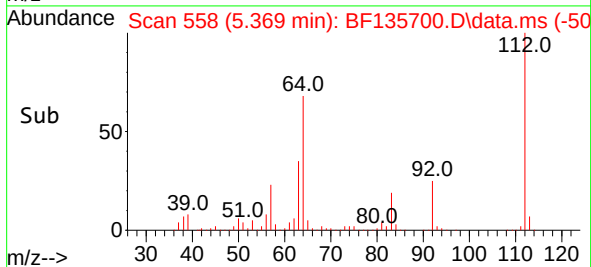
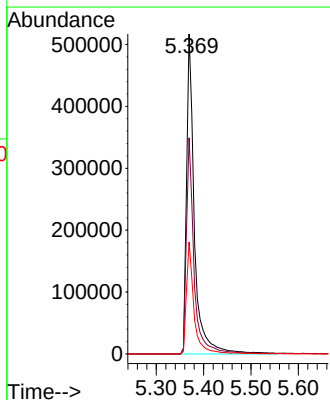
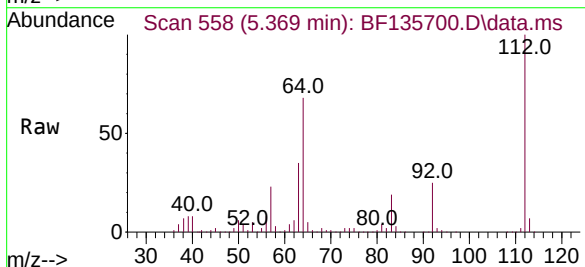
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

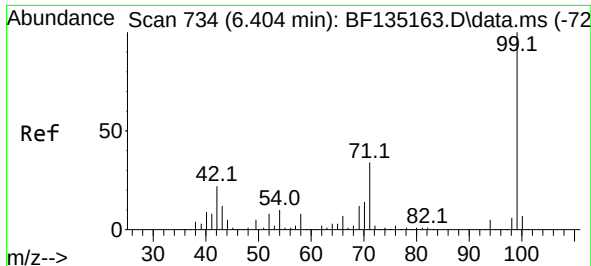
Tgt Ion:152 Resp: 103821
Ion Ratio Lower Upper
152 100
150 155.6 127.8 191.6
115 57.6 49.8 74.8



#5
2-Fluorophenol
Concen: 93.247 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion:112 Resp: 595226
Ion Ratio Lower Upper
112 100
64 67.6 55.9 83.9
63 35.0 29.0 43.6

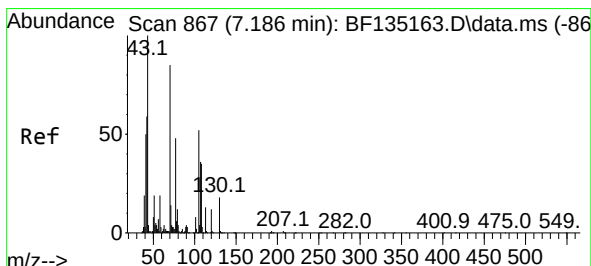
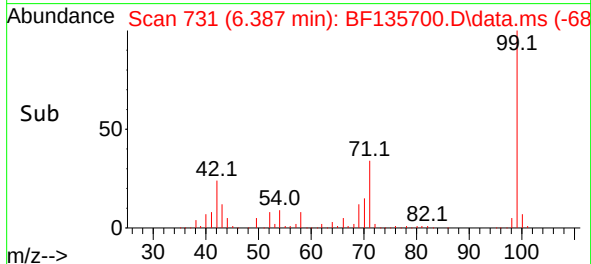
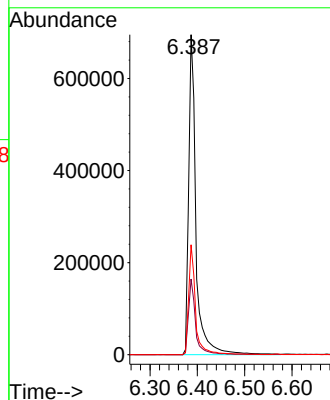
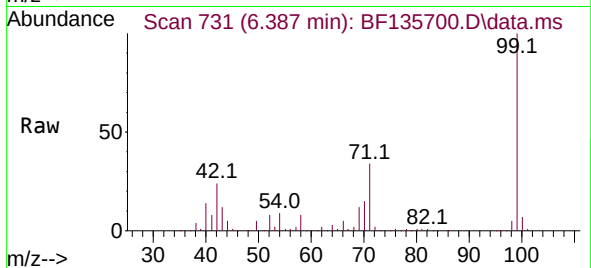




#7
Phenol-d6
Concen: 91.308 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

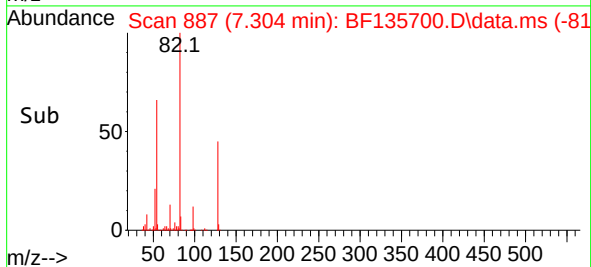
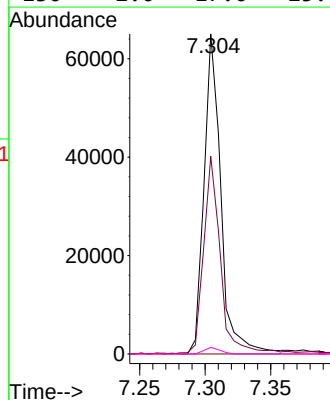
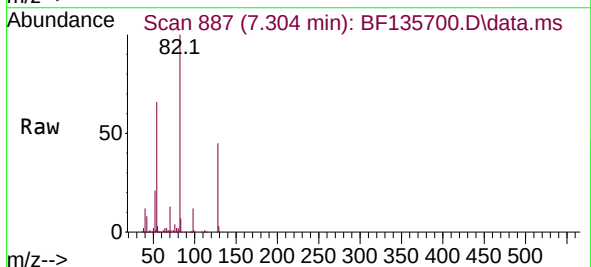
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

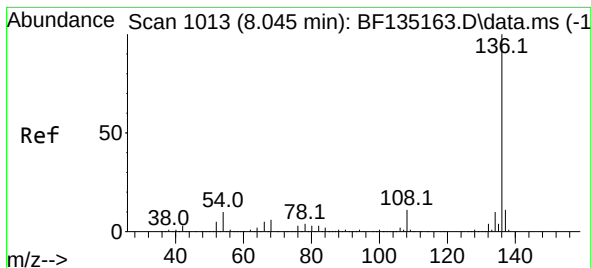
Tgt Ion: 99 Resp: 741123
Ion Ratio Lower Upper
99 100
42 23.7 17.9 26.9
71 34.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.594 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion: 70 Resp: 58288
Ion Ratio Lower Upper
70 100
42 61.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

Tgt Ion:136 Resp: 356984

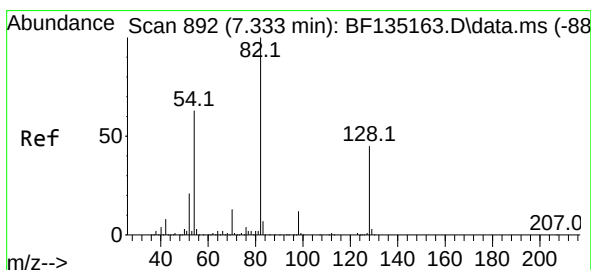
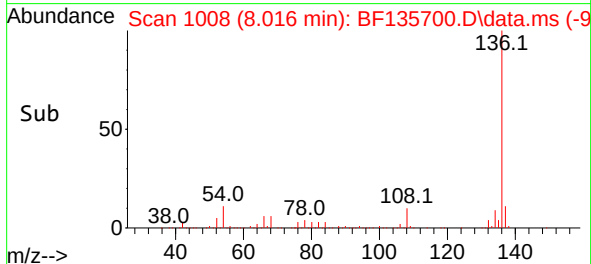
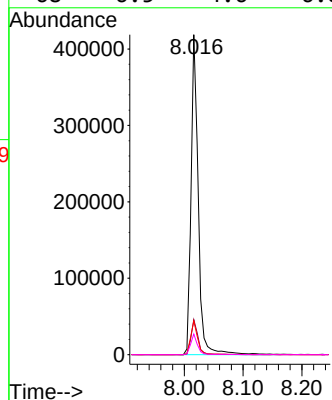
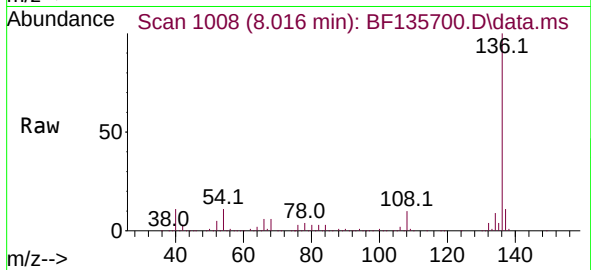
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.5 7.7 11.5

68 6.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 68.519 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

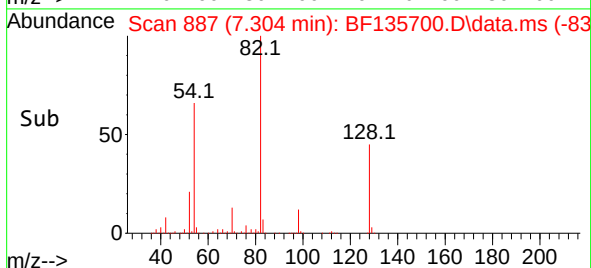
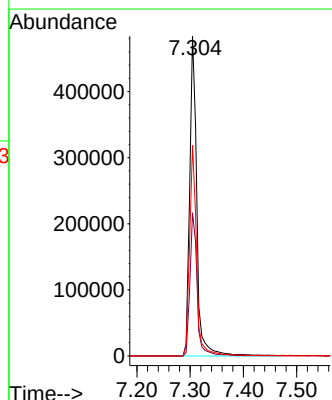
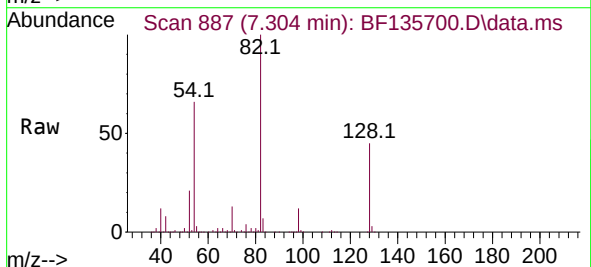
Tgt Ion: 82 Resp: 450219

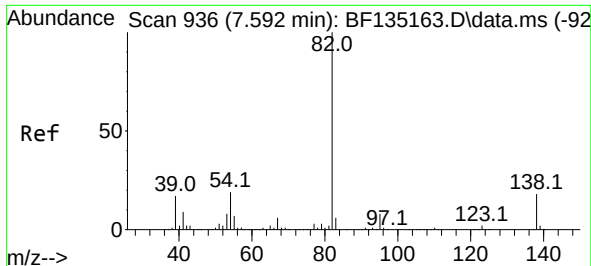
Ion Ratio Lower Upper

82 100

128 44.7 35.8 53.6

54 65.9 50.6 76.0

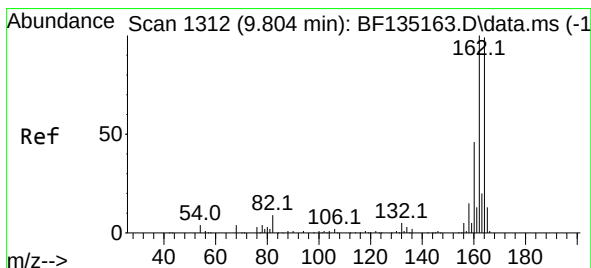
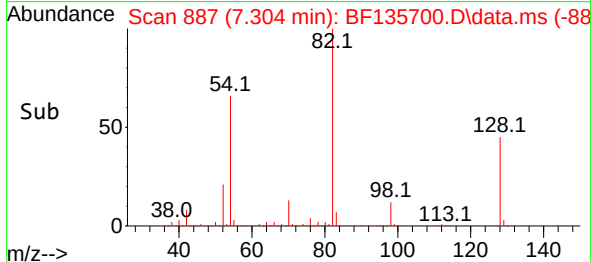
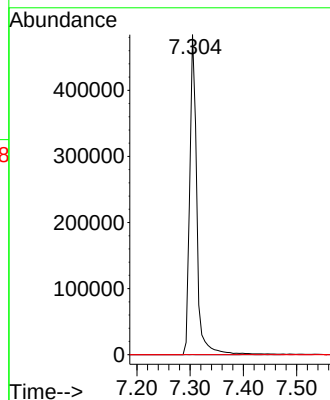
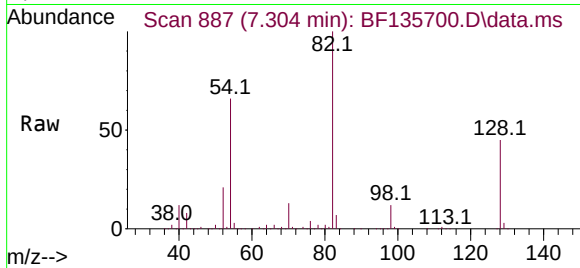




#25
Isophorone
Concen: 37.314 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

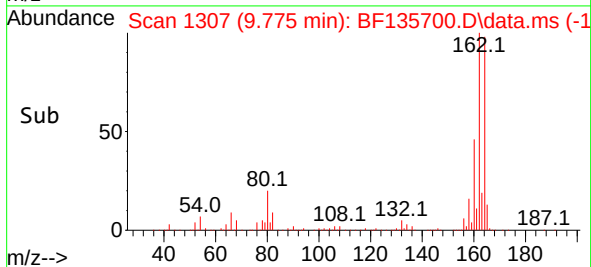
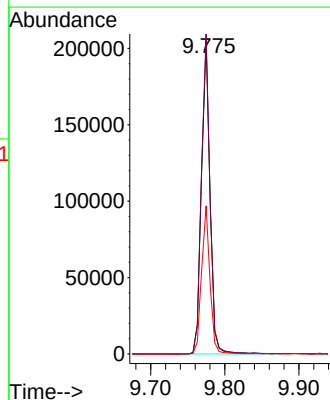
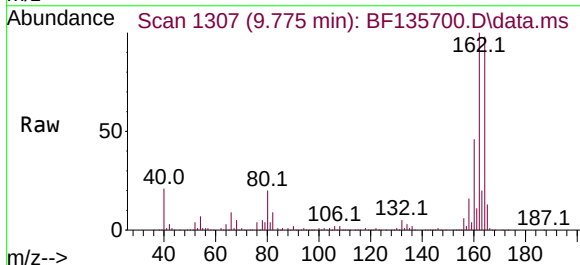
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

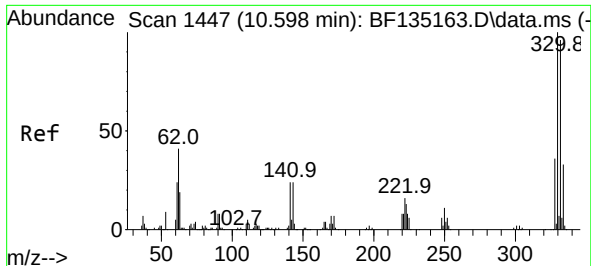
Tgt Ion: 82 Resp: 450219
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion: 164 Resp: 164898
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.4
160 47.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 78.602 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

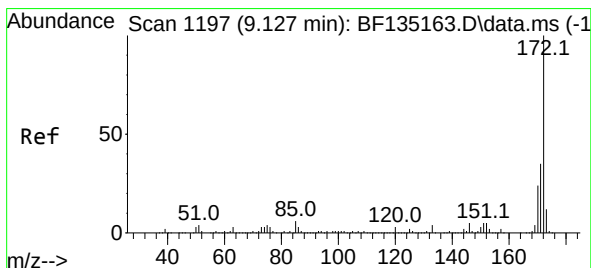
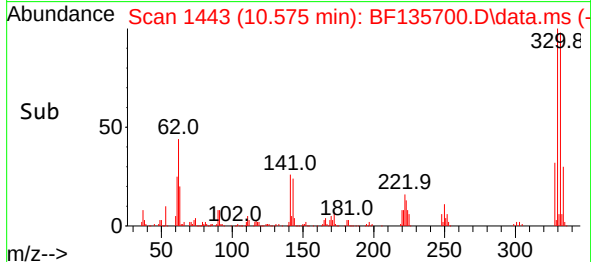
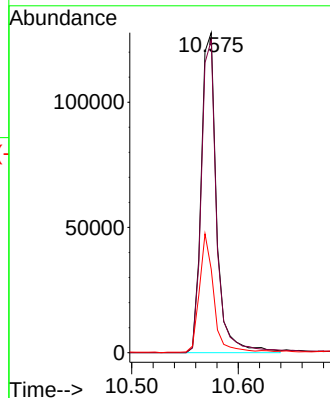
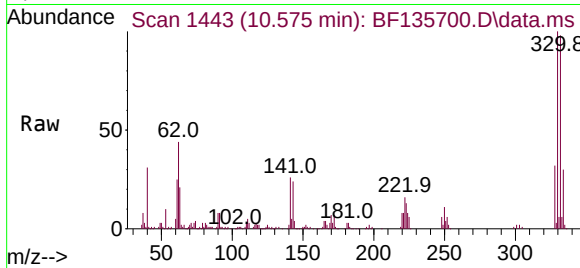
Tgt Ion:330 Resp: 128804

Ion Ratio Lower Upper

330 100

332 98.9 77.3 115.9

141 35.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 69.642 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

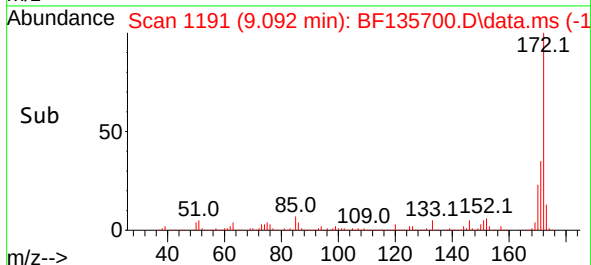
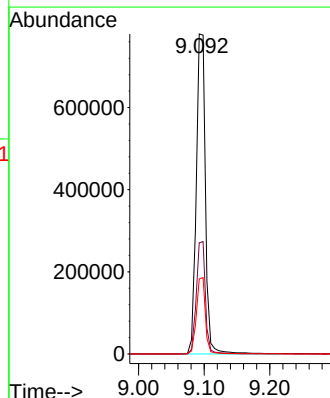
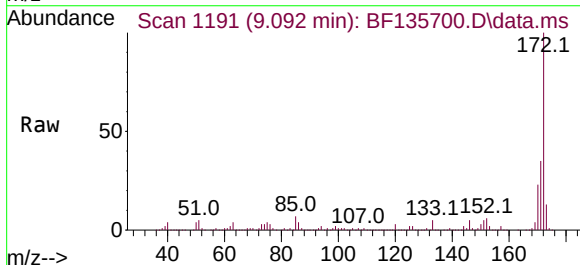
Tgt Ion:172 Resp: 761162

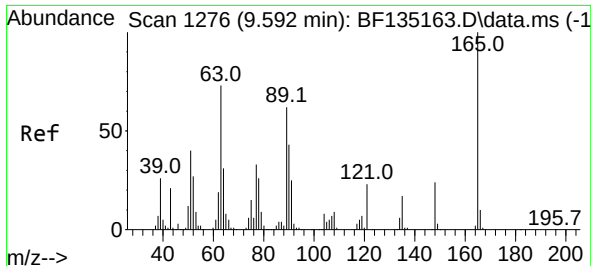
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.5 19.0 28.4

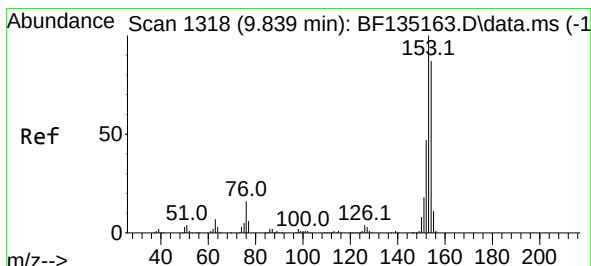
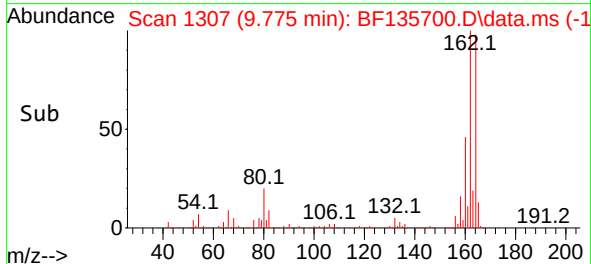
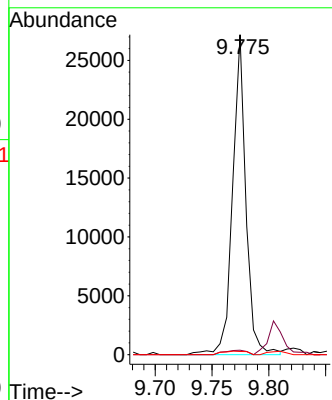
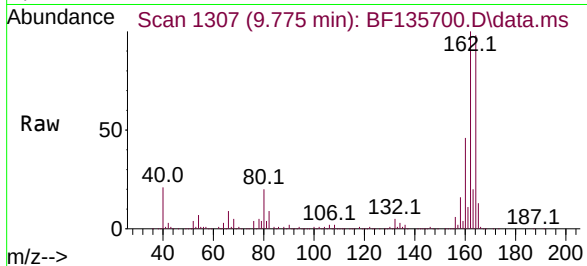




#51
2,6-Dinitrotoluene
Concen: 9.060 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

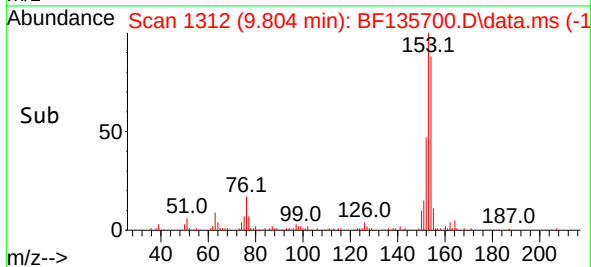
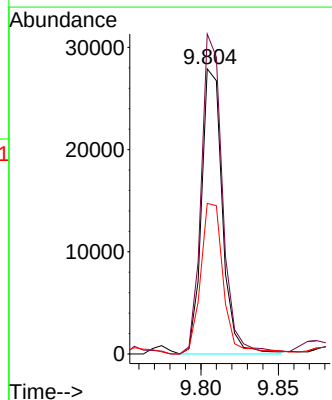
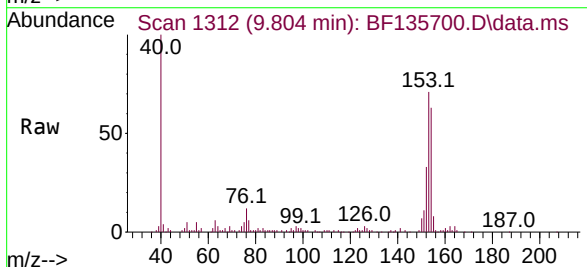
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

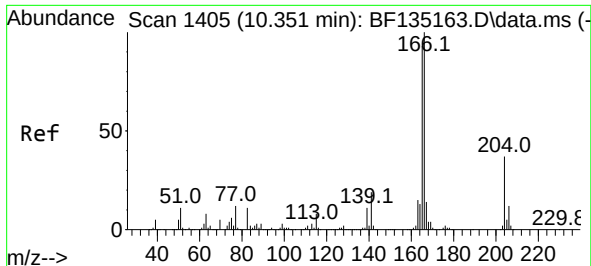
Tgt Ion:165 Resp: 22128
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.0 49.8 74.8#



#52
Acenaphthene
Concen: 2.894 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion:154 Resp: 26126
Ion Ratio Lower Upper
154 100
153 112.2 92.1 138.1
152 52.8 43.1 64.7

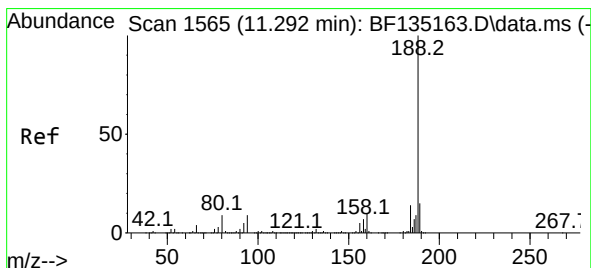
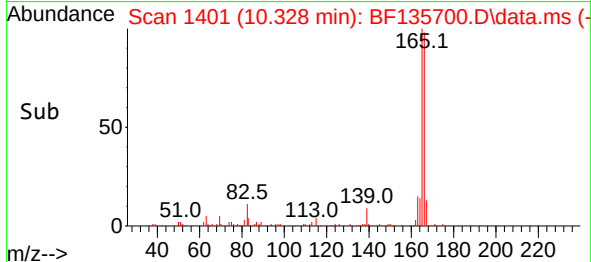
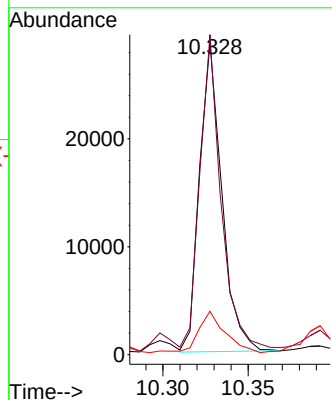
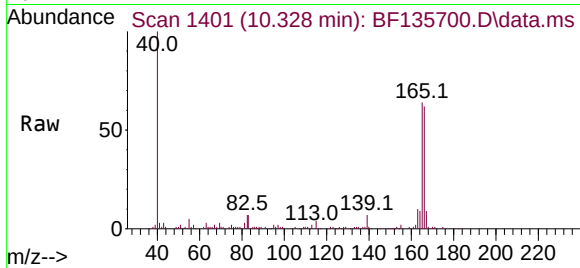




#58
 Fluorene
 Concen: 2.462 ng
 RT: 10.328 min Scan# 1405
 Delta R.T. -0.006 min
 Lab File: BF135700.D
 Acq: 10 Oct 2023 23:12

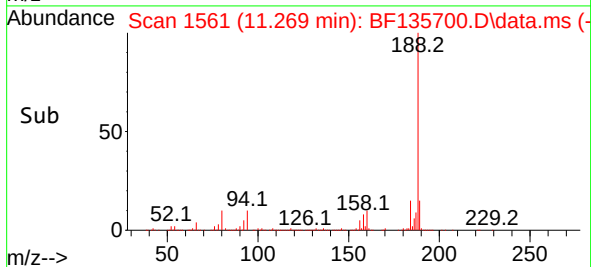
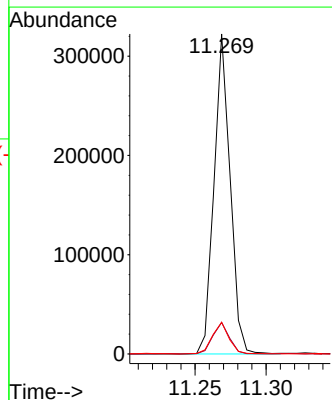
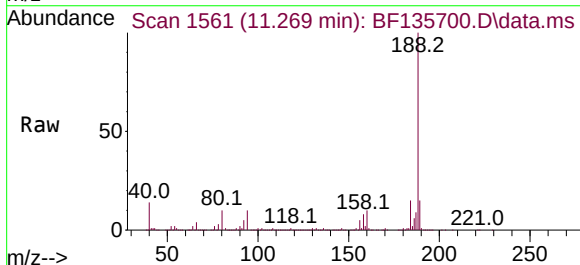
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

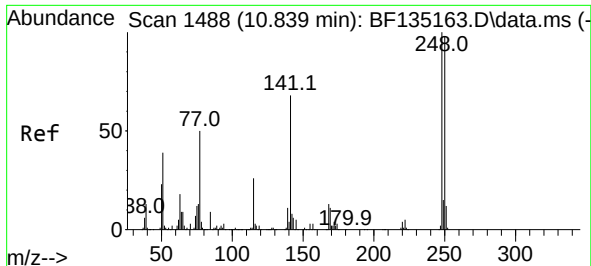
Tgt Ion:166 Resp: 26067
 Ion Ratio Lower Upper
 166 100
 165 102.5 74.3 111.5
 167 13.9 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.006 min
 Lab File: BF135700.D
 Acq: 10 Oct 2023 23:12

Tgt Ion:188 Resp: 255116
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.0 10.6
 80 9.9 7.5 11.3

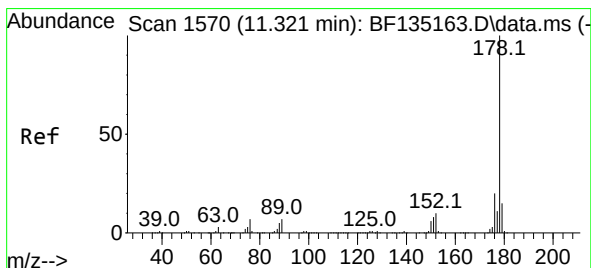
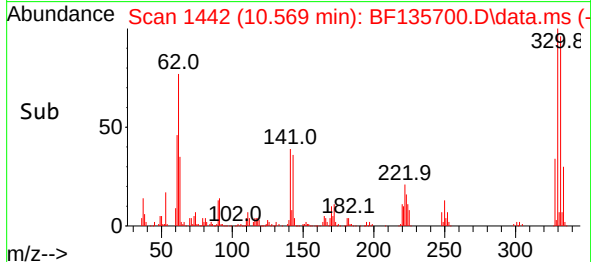
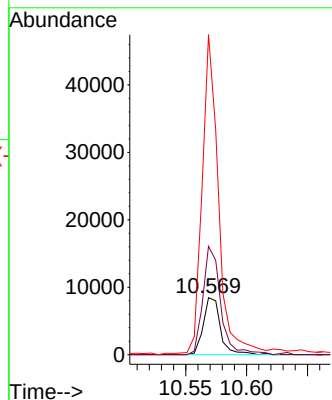
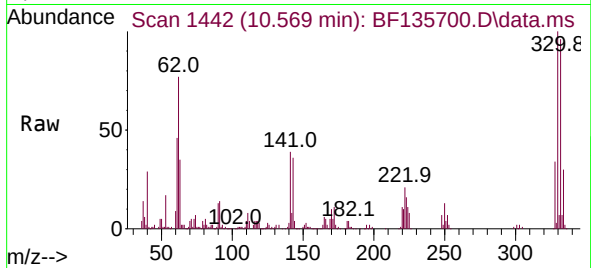




#67
4-Bromophenyl-phenylether
Concen: 3.273 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

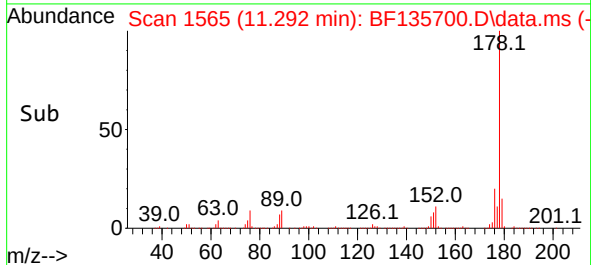
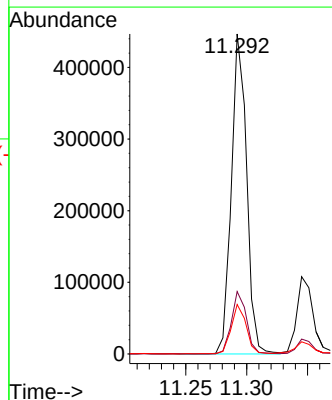
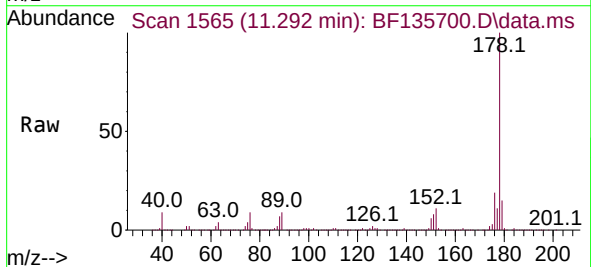
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

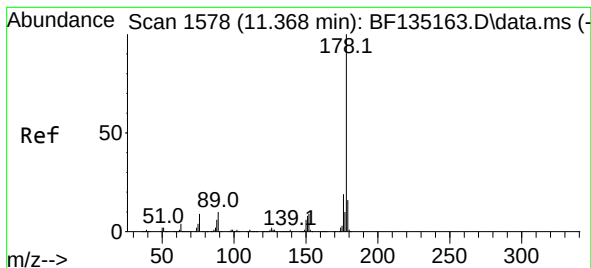
Tgt Ion:248 Resp: 8305
Ion Ratio Lower Upper
248 100
250 190.3 78.6 117.8#
141 561.1 54.2 81.2#



#71
Phenanthrene
Concen: 32.273 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion:178 Resp: 389402
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.5 12.0 18.0





#72

Anthracene

Concen: 8.243 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

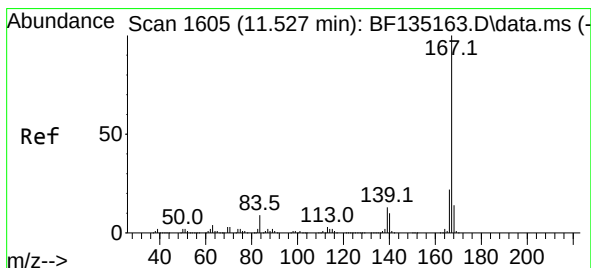
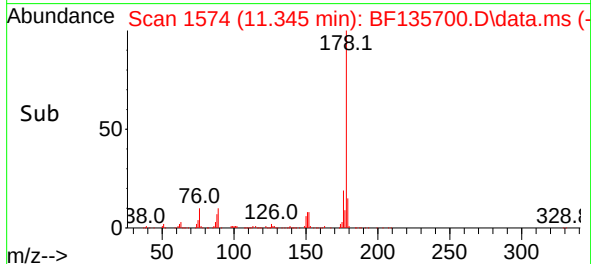
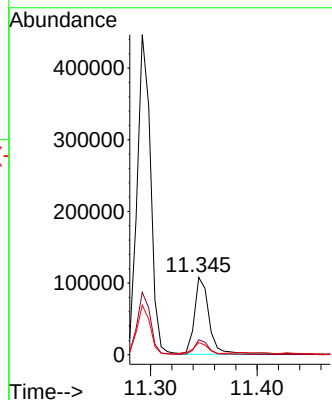
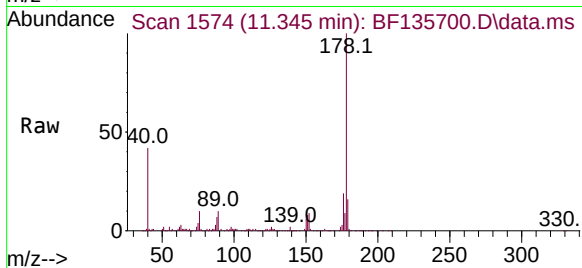
Tgt Ion:178 Resp: 102230

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.7 12.6 19.0



#73

Carbazole

Concen: 2.153 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

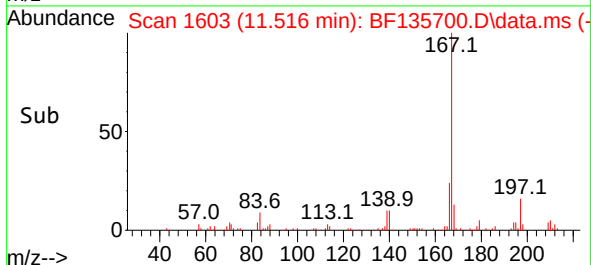
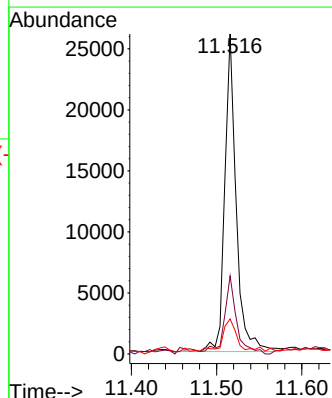
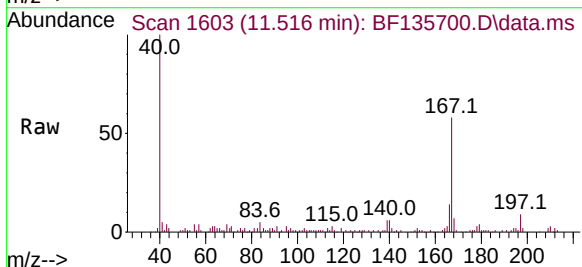
Tgt Ion:167 Resp: 24308

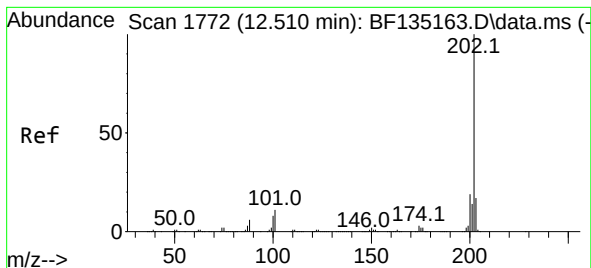
Ion Ratio Lower Upper

167 100

166 24.4 17.4 26.0

139 11.0 10.6 15.8





#75

Fluoranthene

Concen: 68.094 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

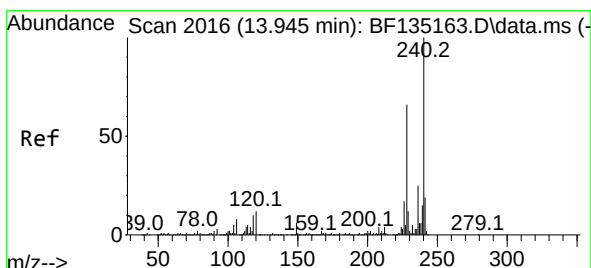
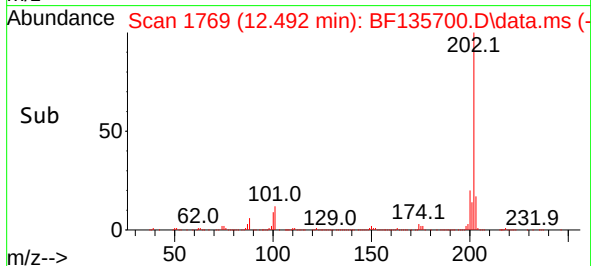
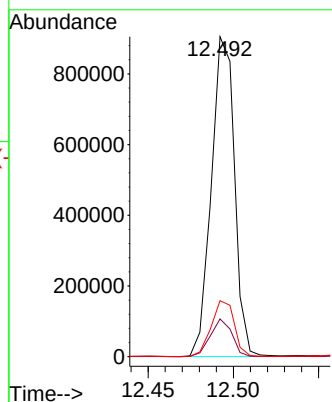
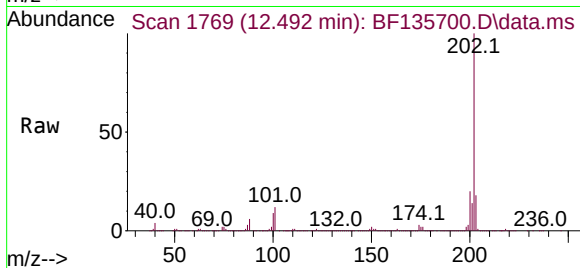
Tgt Ion:202 Resp: 856109

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.3

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

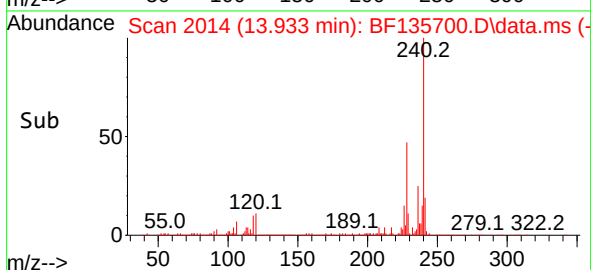
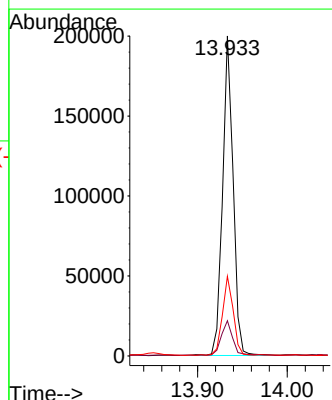
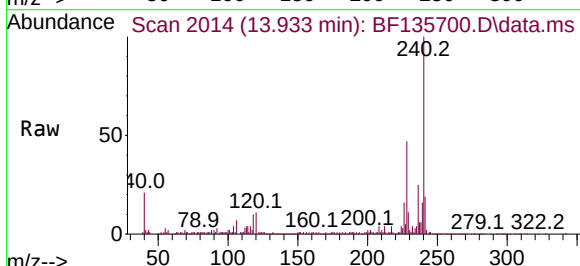
Tgt Ion:240 Resp: 163205

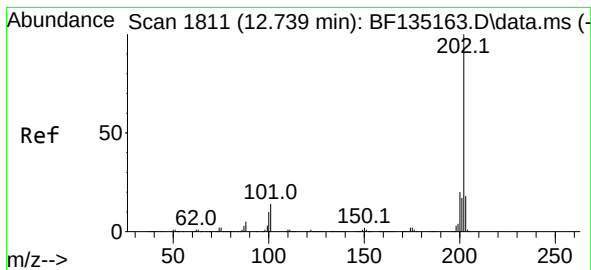
Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 24.9 19.8 29.8





#78

Pyrene

Concen: 48.291 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

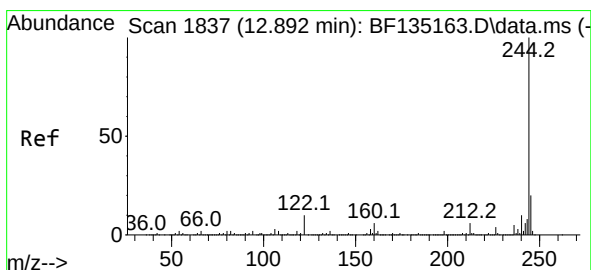
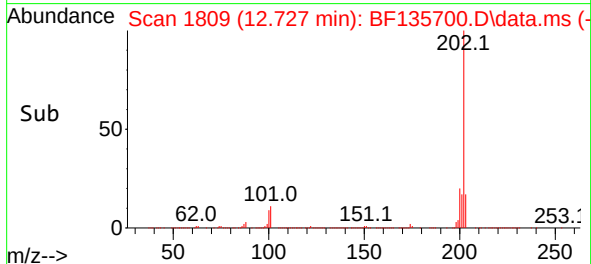
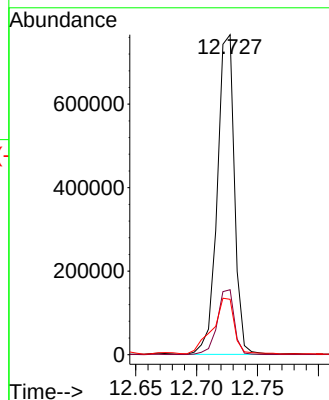
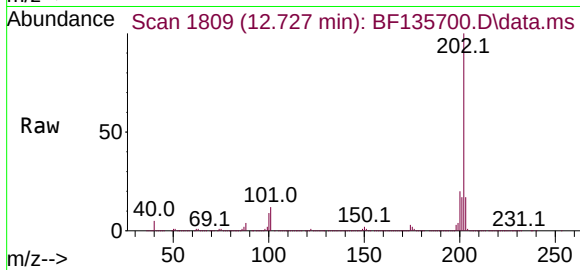
Tgt Ion:202 Resp: 750361

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 17.3 14.2 21.4



#79

Terphenyl-d14

Concen: 53.085 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.006 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

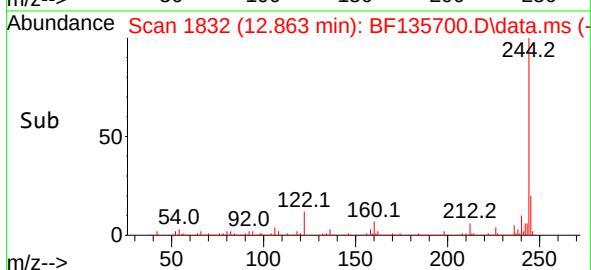
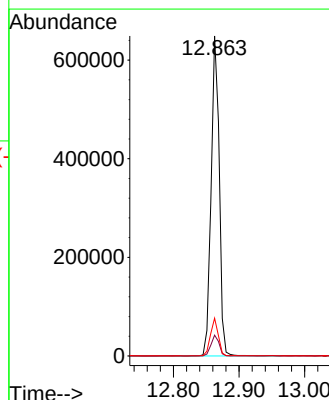
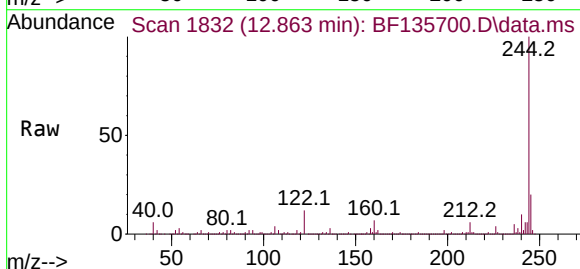
Tgt Ion:244 Resp: 558878

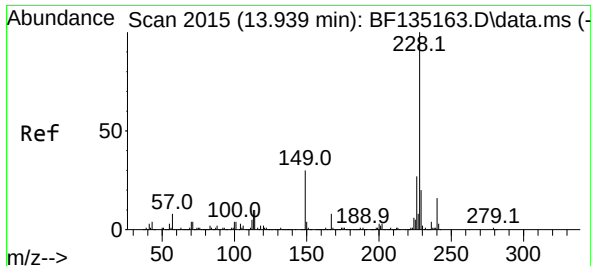
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.8 7.9 11.9

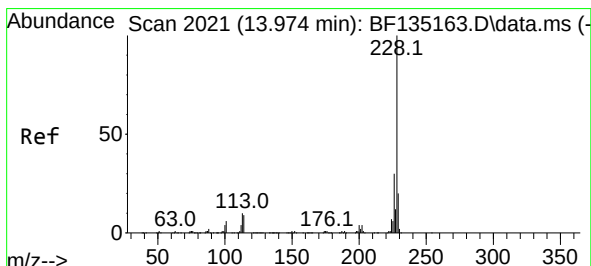
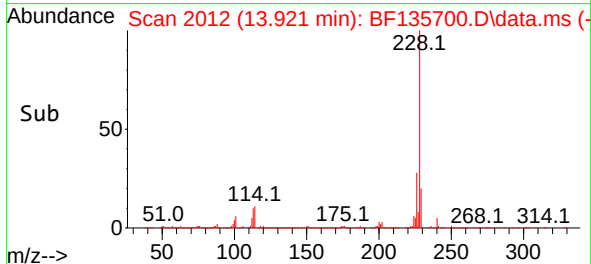
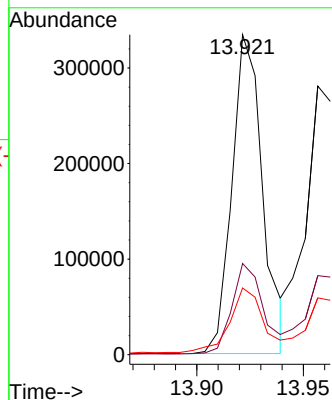
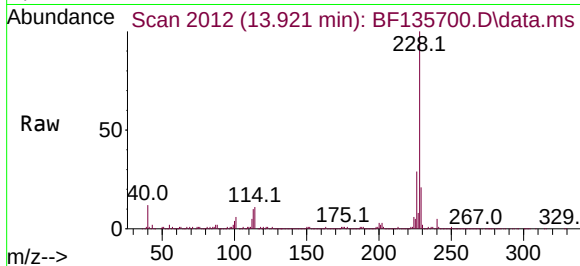




#81
Benzo(a)anthracene
Concen: 31.757 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

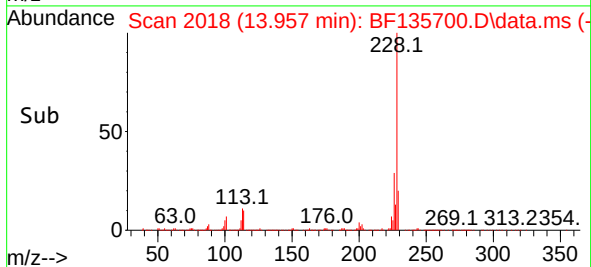
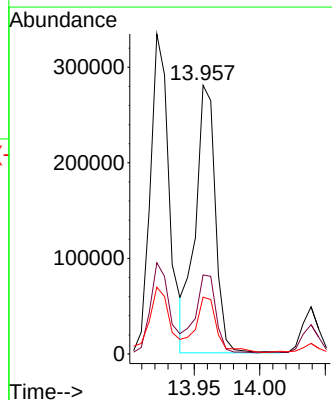
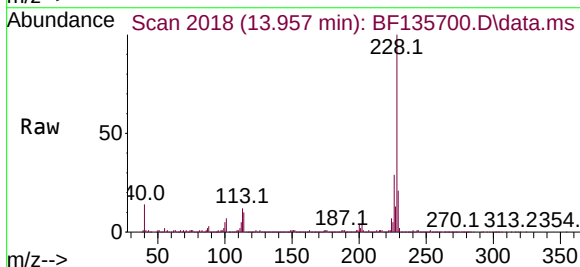
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

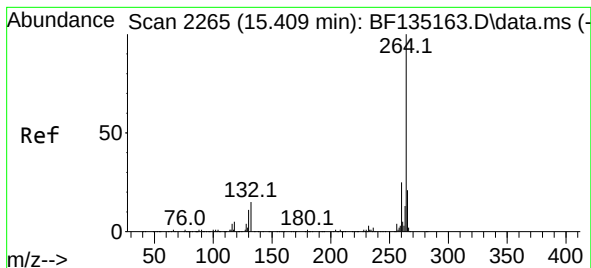
Tgt Ion:228 Resp: 334675
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.9 15.8 23.8



#83
Chrysene
Concen: 28.588 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135700.D
Acq: 10 Oct 2023 23:12

Tgt Ion:228 Resp: 299540
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 21.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

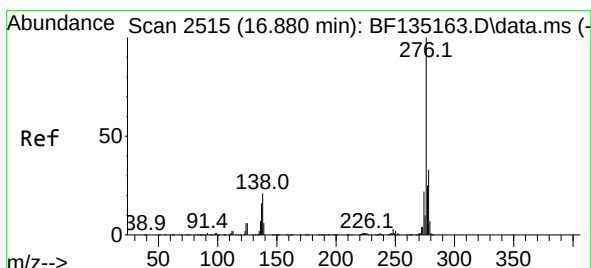
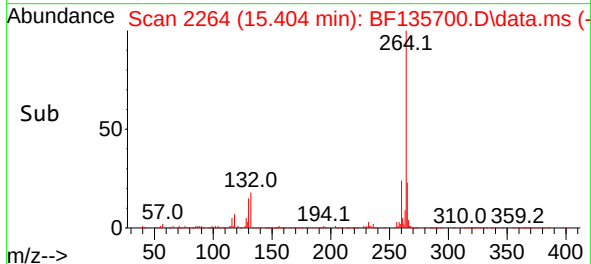
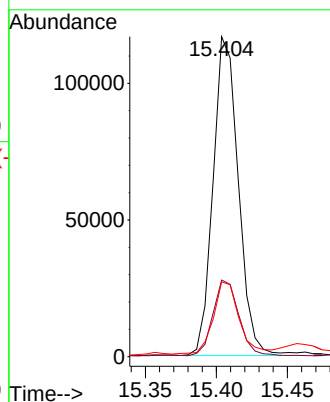
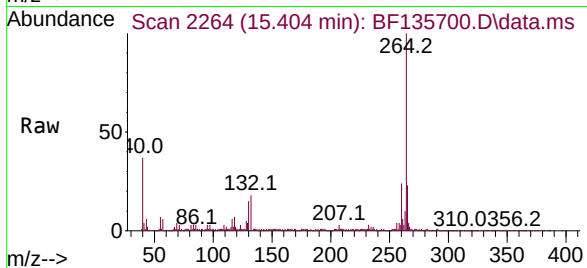
Tgt Ion:264 Resp: 143856

Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.6

265 23.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.352 ng

RT: 16.904 min Scan# 2519

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

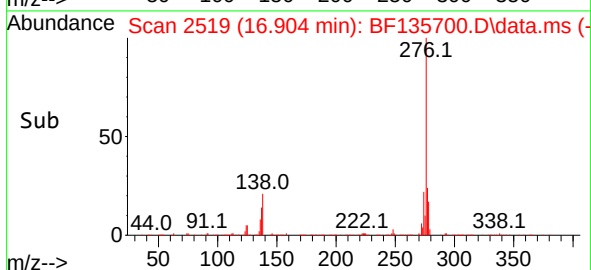
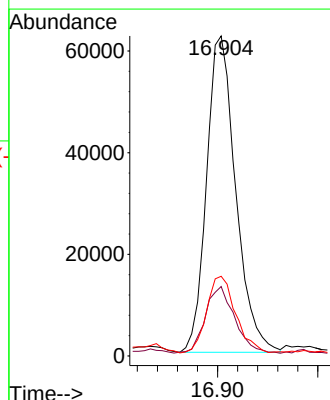
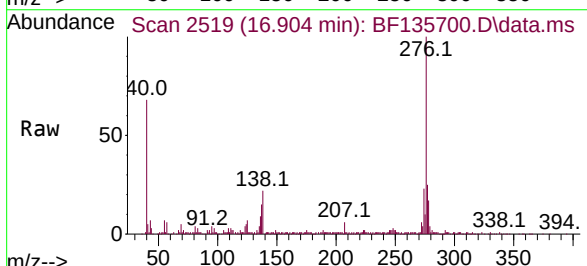
Tgt Ion:276 Resp: 125937

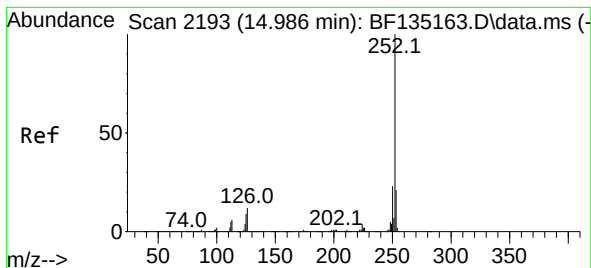
Ion Ratio Lower Upper

276 100

138 21.6 19.2 28.8

277 24.1 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 53.381 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

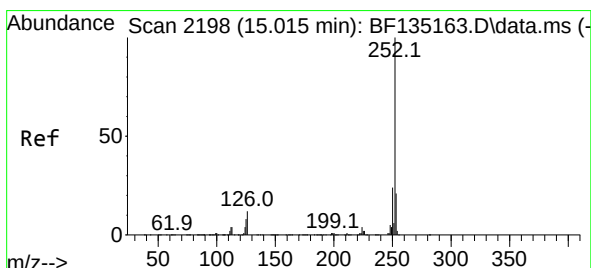
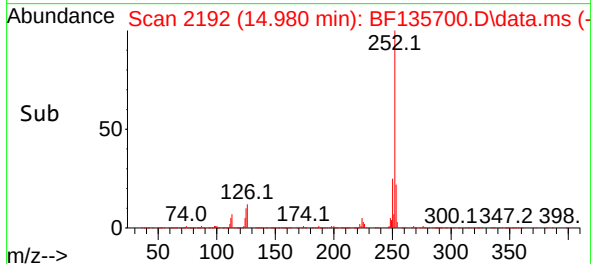
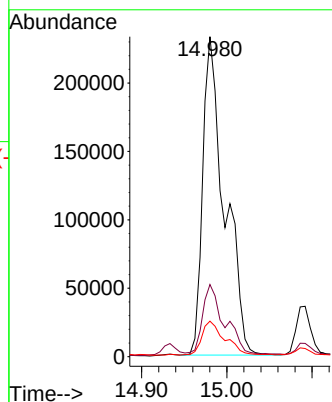
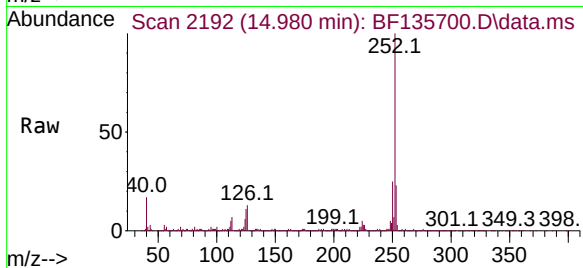
Tgt Ion:252 Resp: 415702

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 11.1 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 54.039 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.023 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

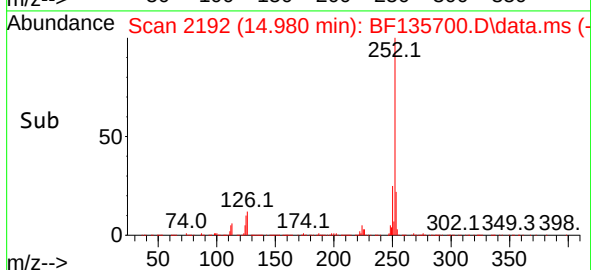
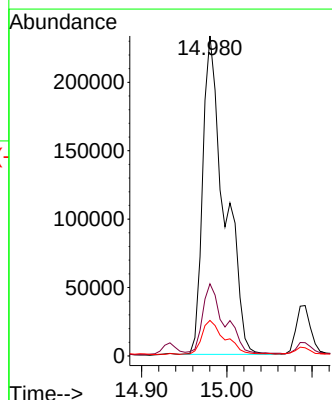
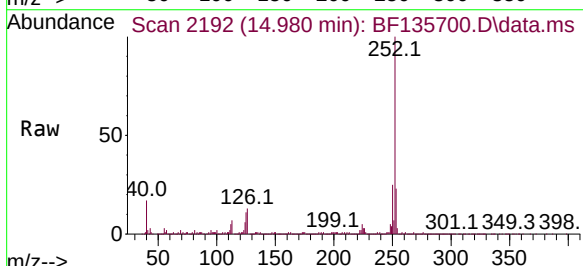
Tgt Ion:252 Resp: 415702

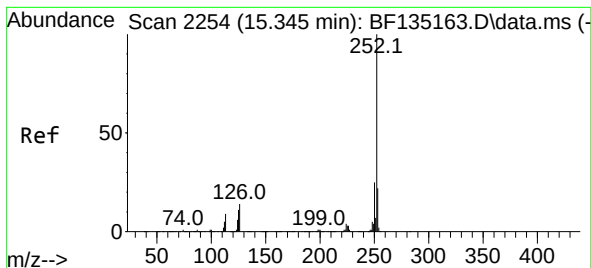
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 11.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 29.895 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

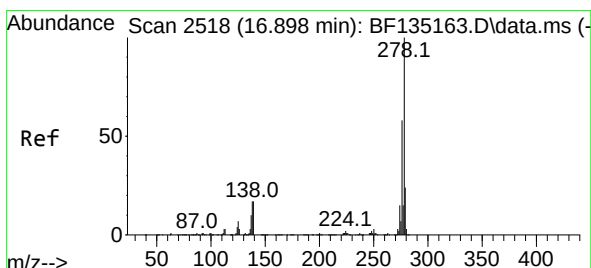
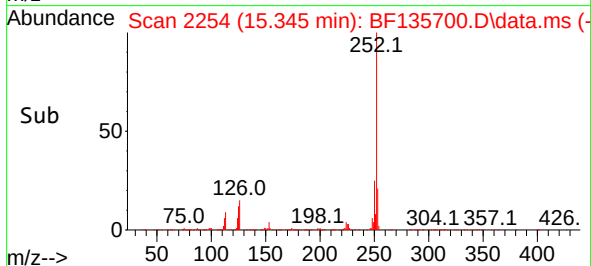
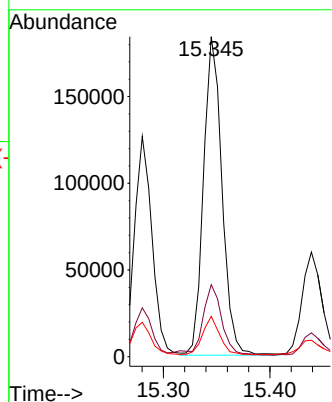
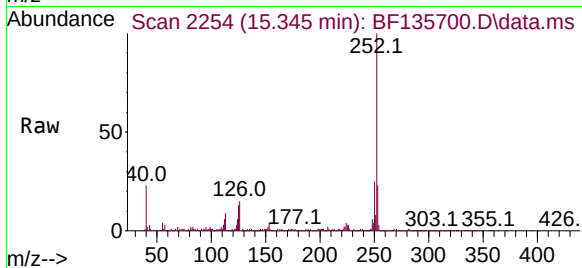
Tgt Ion:252 Resp: 222009

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 12.6 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 2.809 ng

RT: 17.080 min Scan# 2549

Delta R.T. 0.171 min

Lab File: BF135700.D

Acq: 10 Oct 2023 23:12

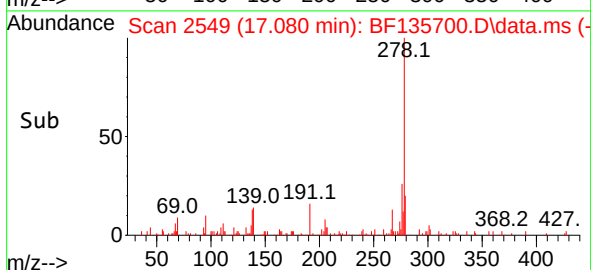
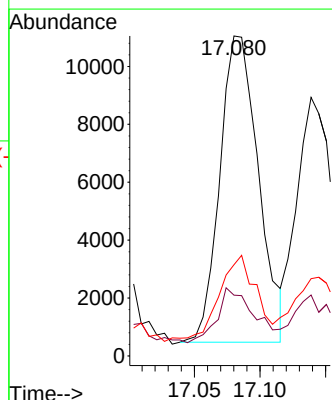
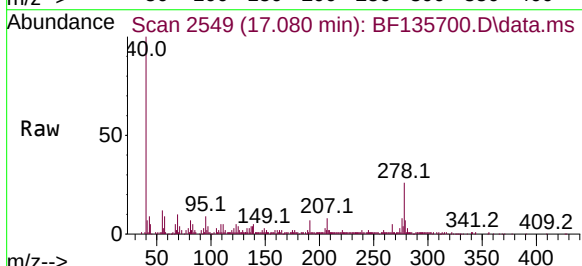
Tgt Ion:278 Resp: 21681

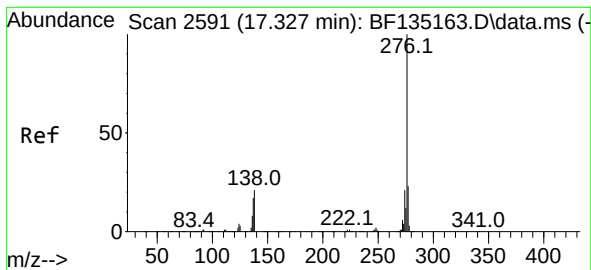
Ion Ratio Lower Upper

278 100

139 19.0 13.4 20.0

279 28.5 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 15.468 ng

RT: 17.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135700.D

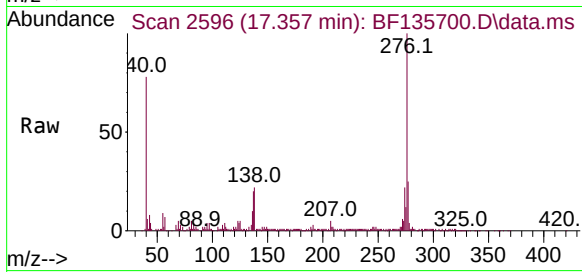
Acq: 10 Oct 2023 23:12

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023



Tgt Ion:276 Resp: 124670

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 21.8 16.9 25.3

