

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135658.D
 Acq On : 09 Oct 2023 19:06
 Operator : CG\JU
 Sample : 04736-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939DL

Quant Time: Oct 09 19:25:59 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 04 17:06:20 2023
 Response via : Initial Calibration

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

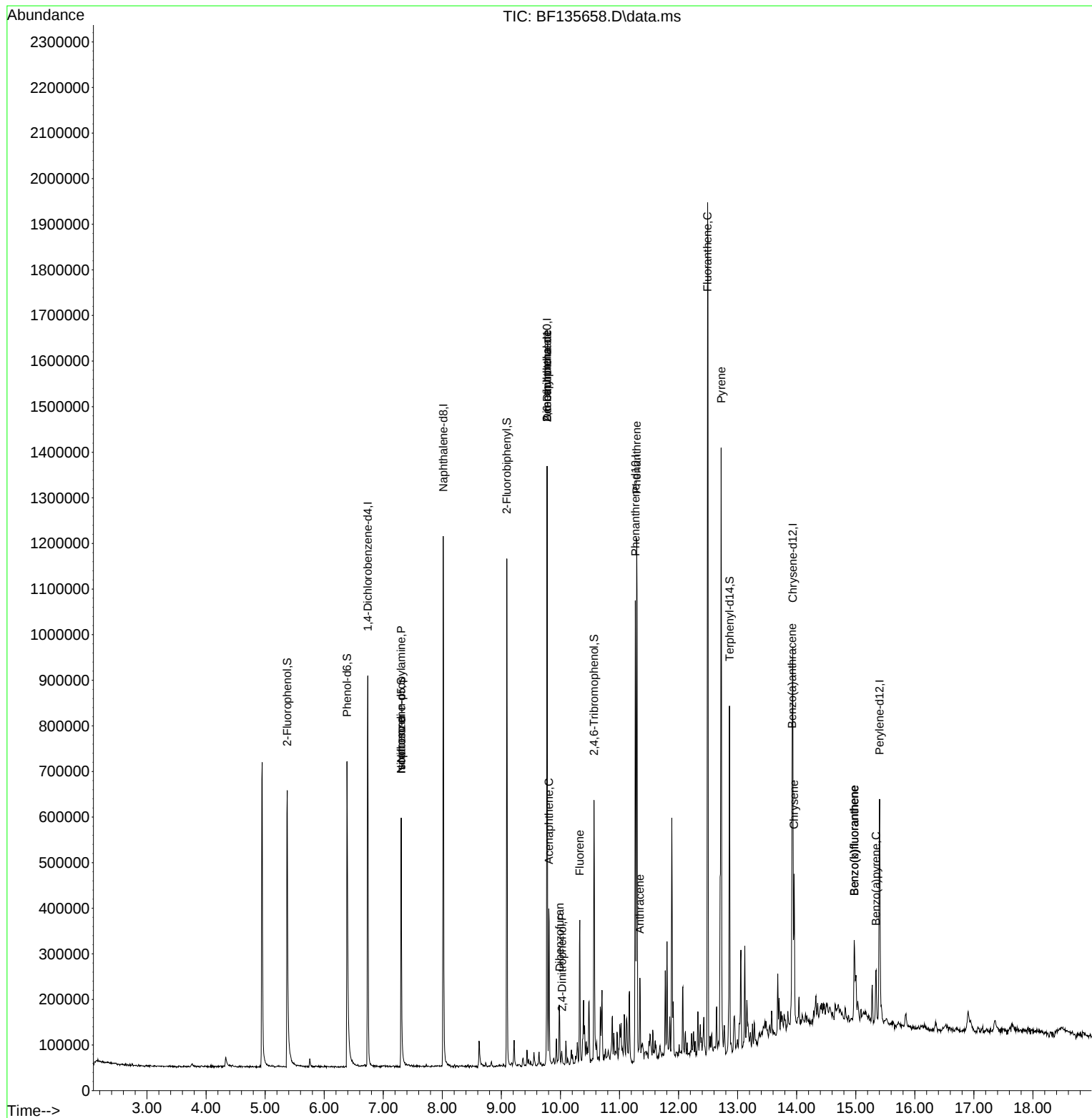
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	130162	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	495847	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	233379	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	356690	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	238957	20.000	ng	0.00
86) Perylene-d12	15.404	264	236392	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	225027	28.118	ng	0.00
7) Phenol-d6	6.387	99	287669	28.269	ng	0.00
23) Nitrobenzene-d5	7.304	82	175933	19.277	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	56131	24.203	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	322022	20.818	ng	0.00
79) Terphenyl-d14	12.863	244	235861	15.301	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	22412	3.556	ng	# 79
25) Isophorone	7.304	82	175933	10.498	ng	# 65
50) Dimethylphthalate	9.775	163	43541	2.759	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	30277	8.759	ng	# 17
52) Acenaphthene	9.804	154	72491	5.674	ng	98
54) 2,4-Dinitrophenol	10.027	184	63	6.277	ng	# 1
55) Dibenzofuran	9.986	168	41431	2.125	ng	98
58) Fluorene	10.327	166	84103	5.612	ng	97
71) Phenanthrene	11.292	178	429454	25.457	ng	98
72) Anthracene	11.345	178	68669	3.960	ng	98
75) Fluoranthene	12.492	202	800650	45.548	ng	99
78) Pyrene	12.721	202	539636	23.720	ng	99
81) Benzo(a)anthracene	13.921	228	162954	10.561	ng	98
83) Chrysene	13.957	228	125207	8.162	ng	98
88) Benzo(b)fluoranthene	14.974	252	124478	9.727	ng	# 97
89) Benzo(k)fluoranthene	14.974	252	124478	9.847	ng	# 97
90) Benzo(a)pyrene	15.345	252	54165	4.439	ng	98

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

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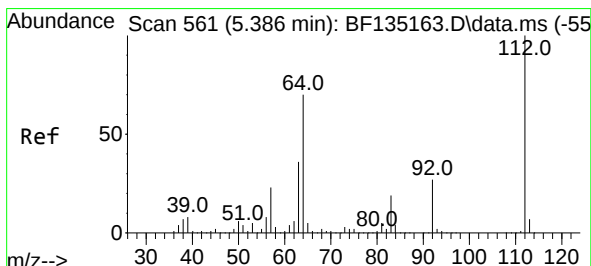
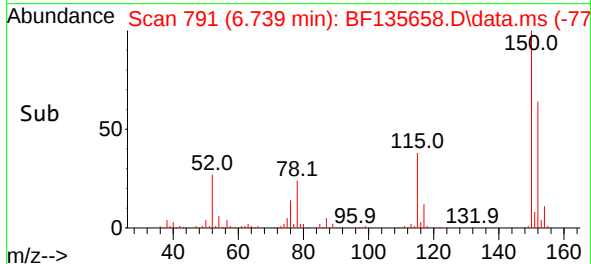
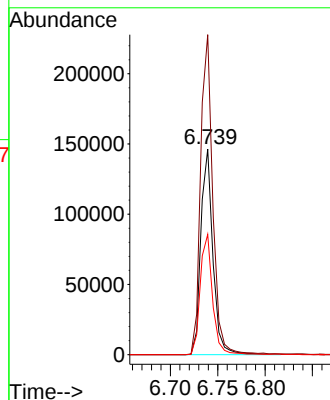
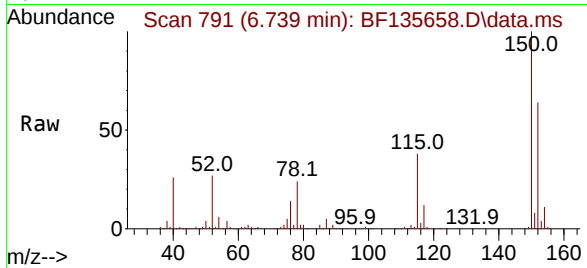




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

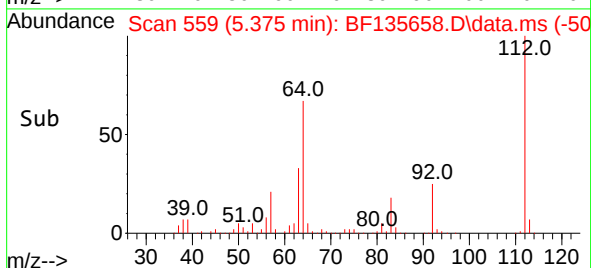
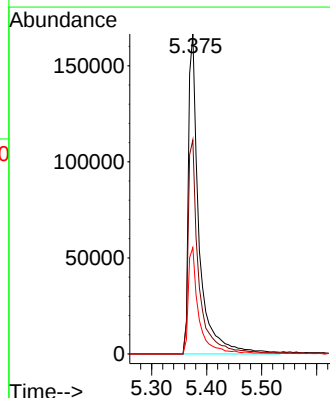
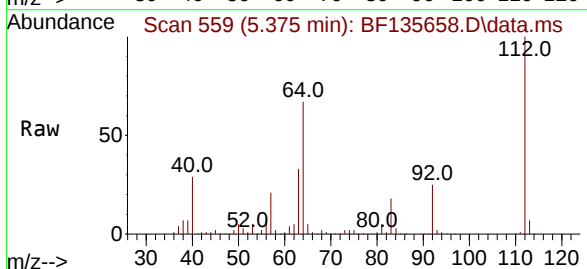
Instrument :
BNA_F
ClientSampleId :
72-11939DL

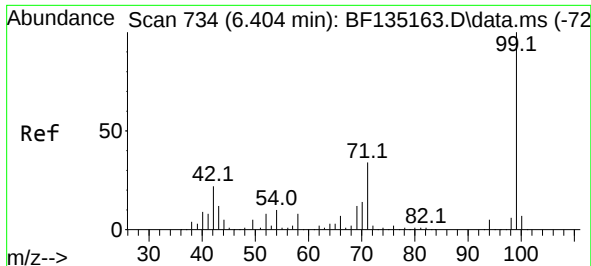
Tgt Ion:152 Resp: 130162
Ion Ratio Lower Upper
152 100
150 155.7 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 28.118 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:112 Resp: 225027
Ion Ratio Lower Upper
112 100
64 66.9 55.9 83.9
63 33.3 29.0 43.6





#7

Phenol-d6

Concen: 28.269 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

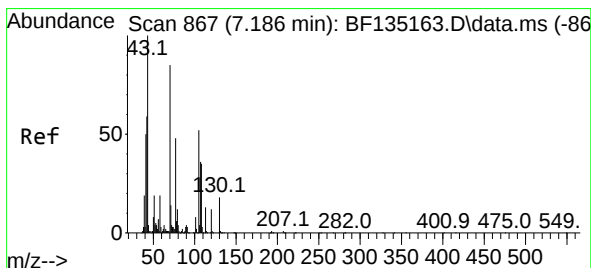
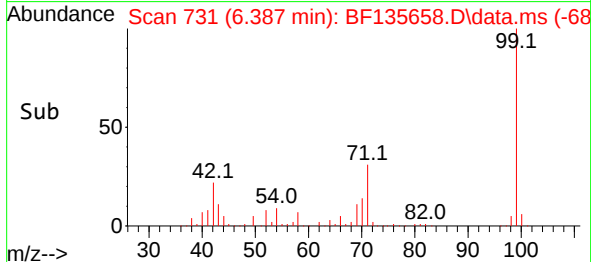
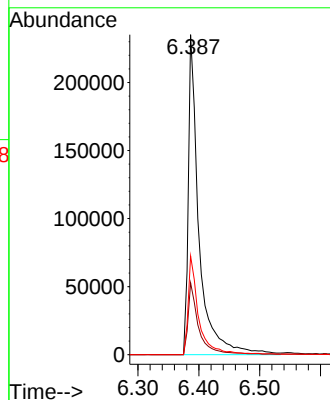
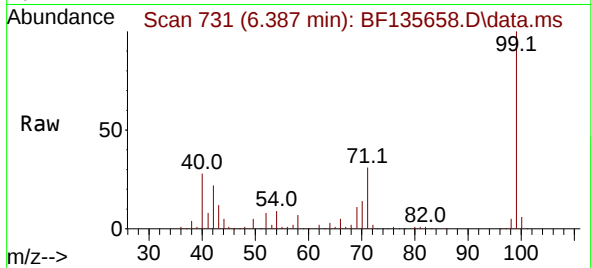
Tgt Ion: 99 Resp: 287669

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 30.8 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 3.556 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Tgt Ion: 70 Resp: 22412

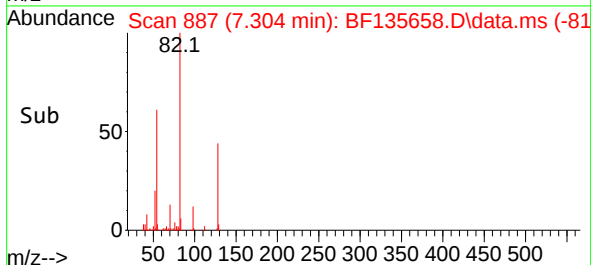
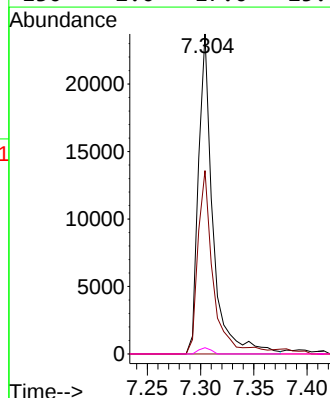
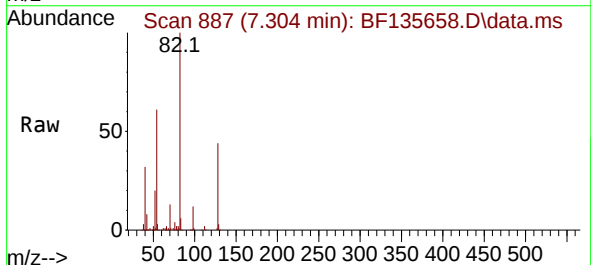
Ion Ratio Lower Upper

70 100

42 57.3 55.4 83.0

101 0.0 7.7 11.5#

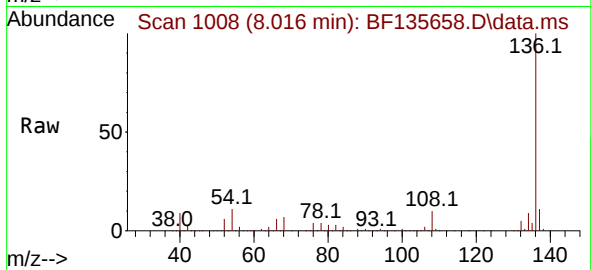
130 2.0 17.0 25.6#



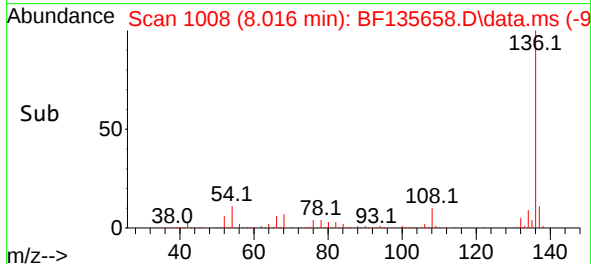
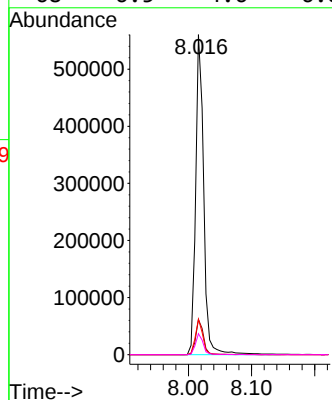


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Instrument :
BNA_F
ClientSampleId :
72-11939DL

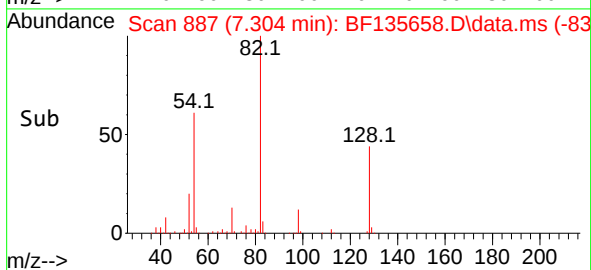
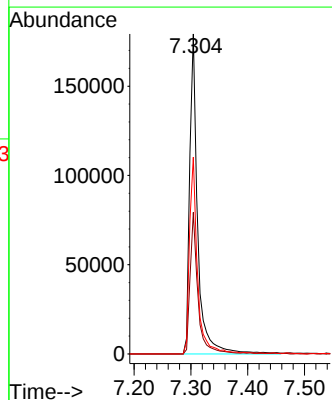
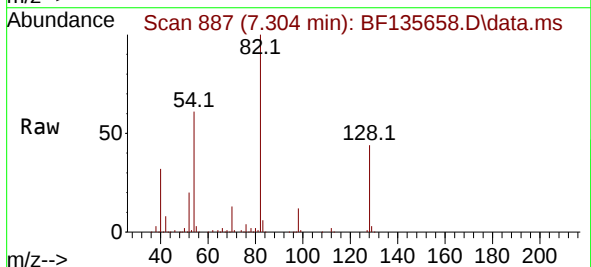


Tgt Ion:136 Resp: 495847
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.1 7.7 11.5
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 19.277 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion: 82 Resp: 175933
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 61.5 50.6 76.0

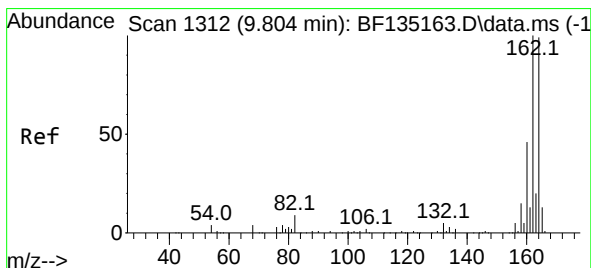
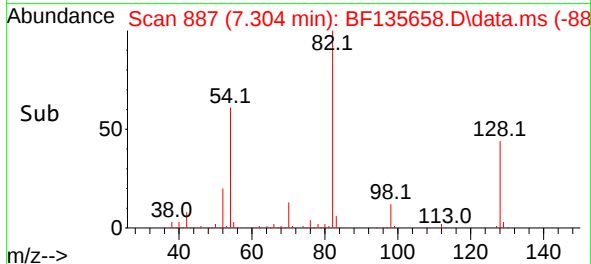
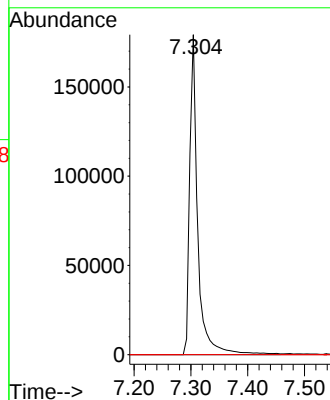
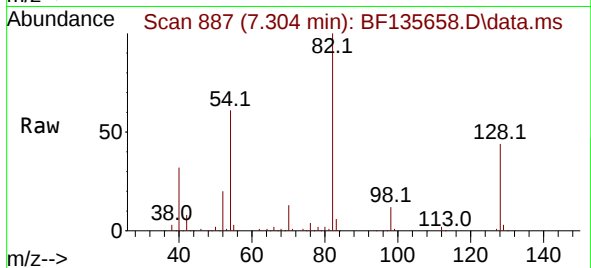




#25
Isophorone
Concen: 10.498 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

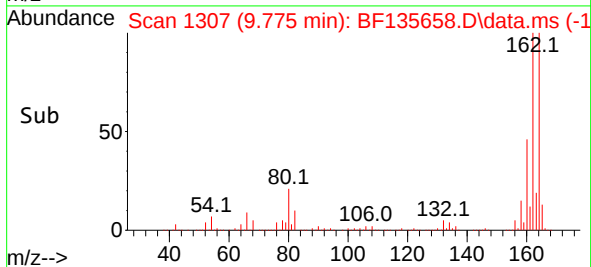
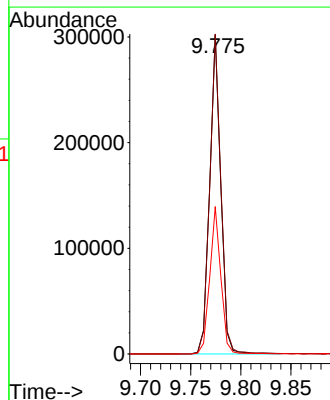
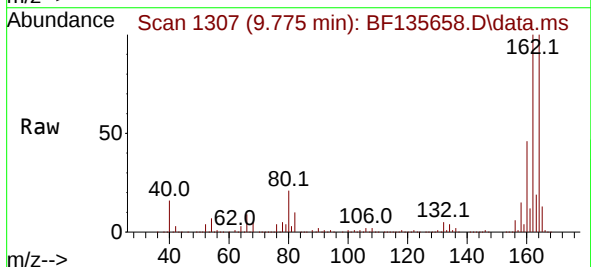
Instrument :
BNA_F
ClientSampleId :
72-11939DL

Tgt Ion: 82 Resp: 175933
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. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:164 Resp: 233379
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 24.203 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135658.D

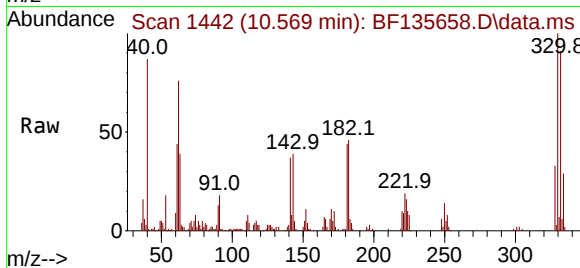
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Instrument :

BNA_F

ClientSampleId :

72-11939DL



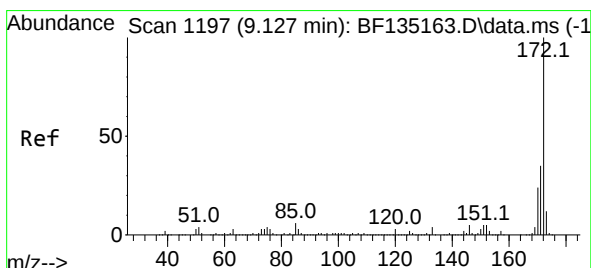
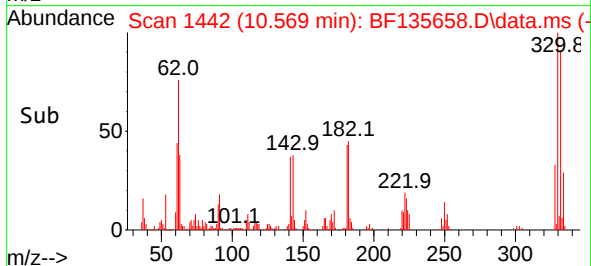
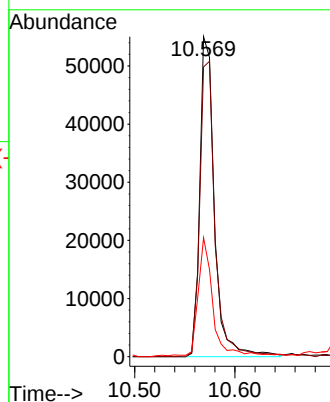
Tgt Ion:330 Resp: 56131

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 38.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 20.818 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

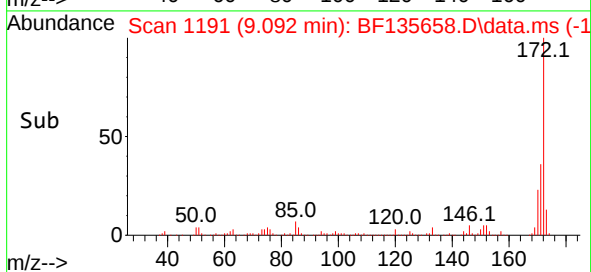
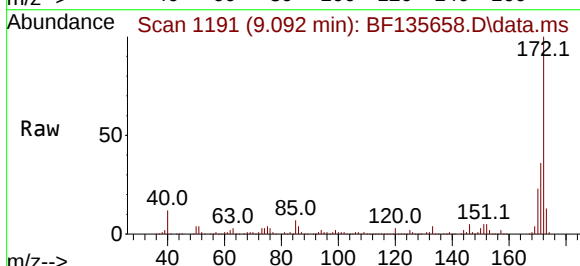
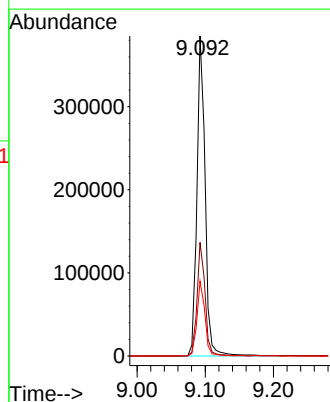
Tgt Ion:172 Resp: 322022

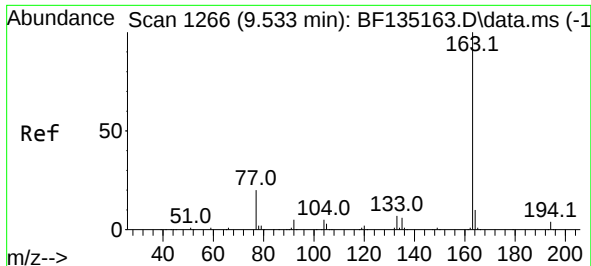
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 19.0 28.4

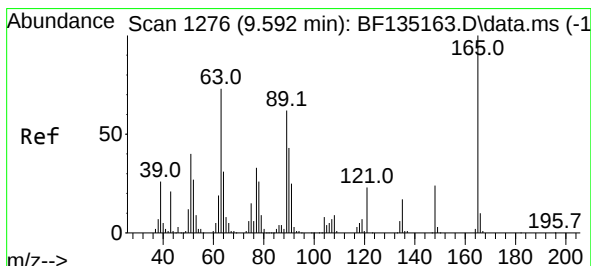
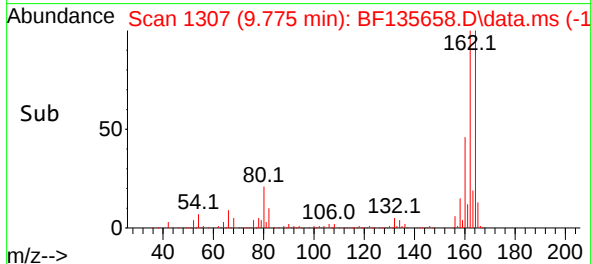
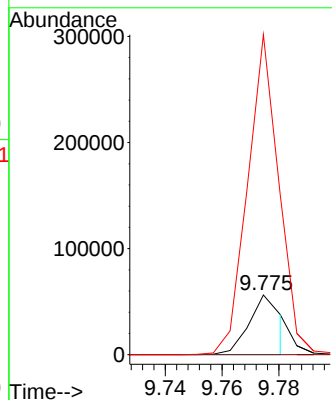
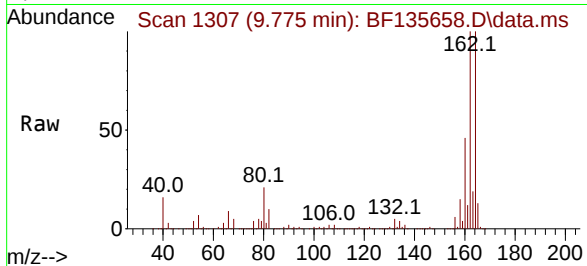




#50
Dimethylphthalate
Concen: 2.759 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

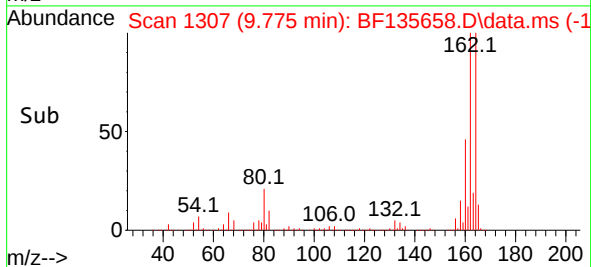
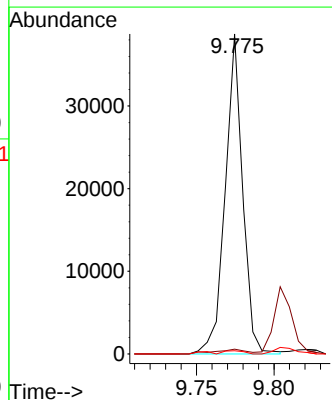
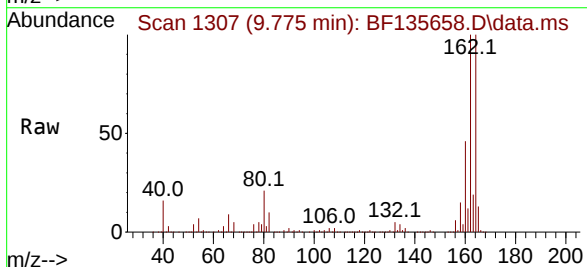
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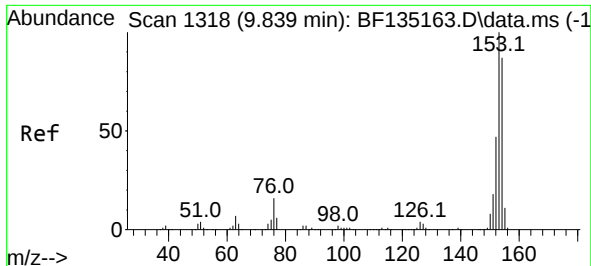
Tgt Ion:163 Resp: 43541
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 536.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.759 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:165 Resp: 30277
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.0 49.8 74.8#

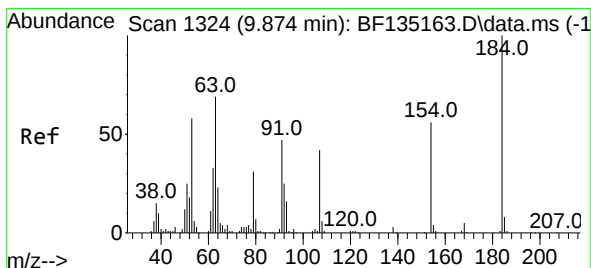
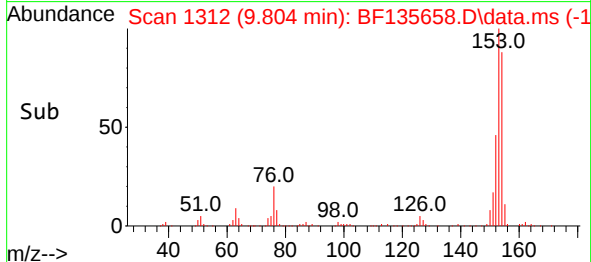
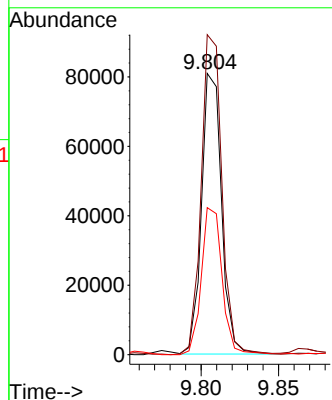
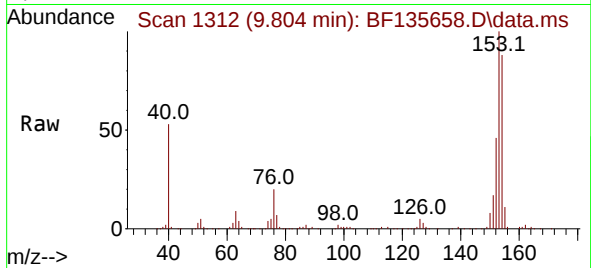




#52
Acenaphthene
Concen: 5.674 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

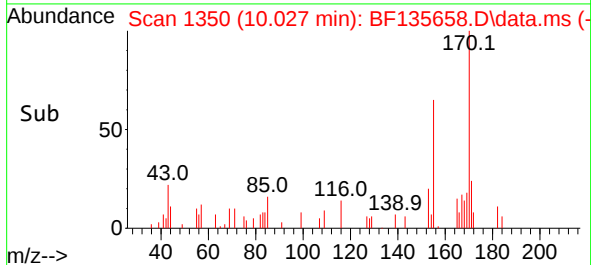
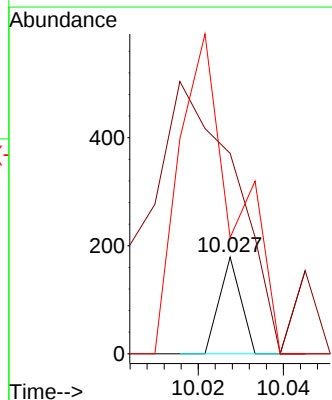
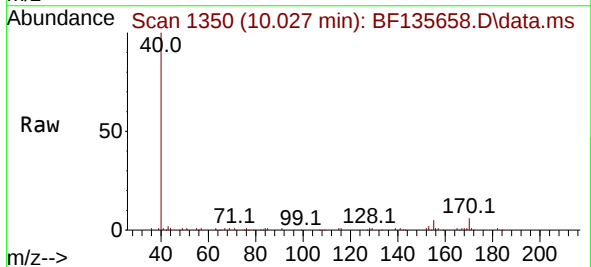
Instrument :
BNA_F
ClientSampleId :
72-11939DL

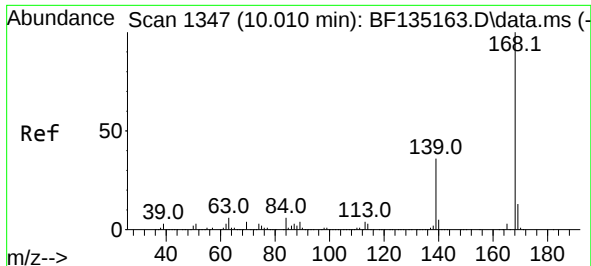
Tgt Ion:154 Resp: 72491
Ion Ratio Lower Upper
154 100
153 113.8 92.1 138.1
152 52.3 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.277 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.165 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 207.3 55.1 82.7#
154 120.1 48.4 72.6#

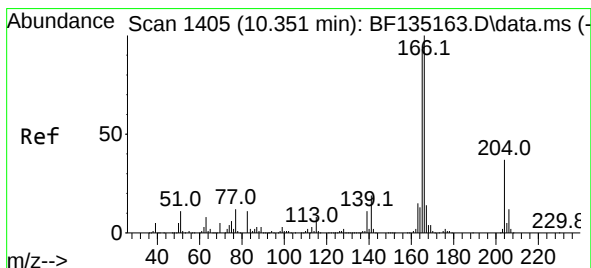
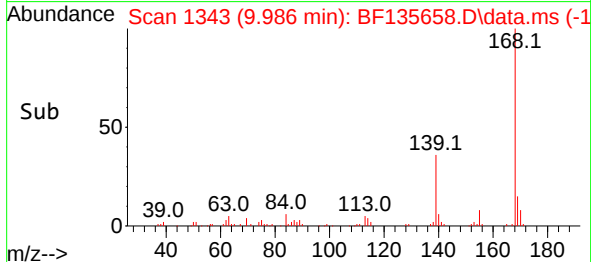
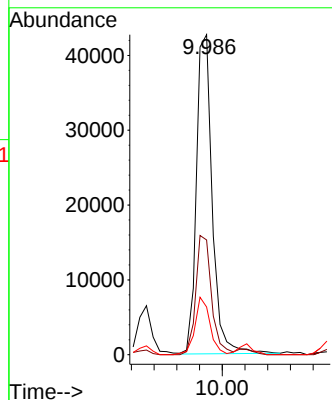
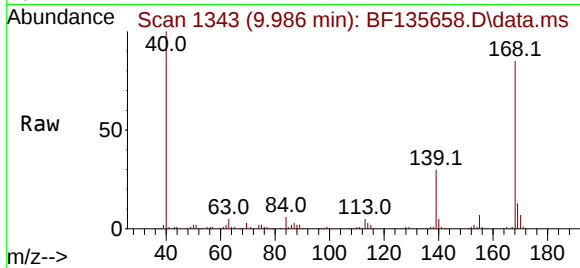




#55
Dibenzenofuran
Concen: 2.125 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

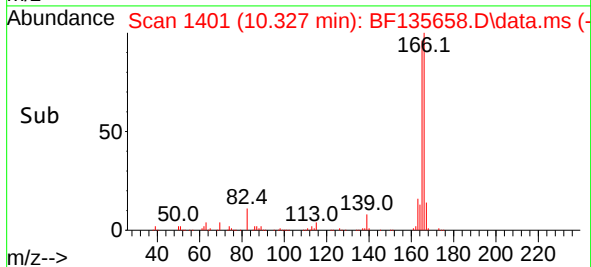
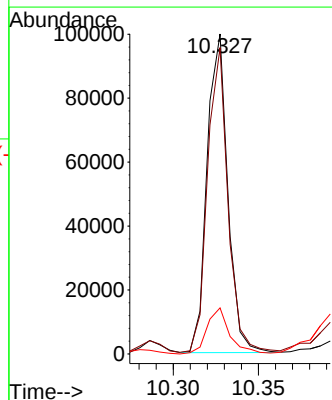
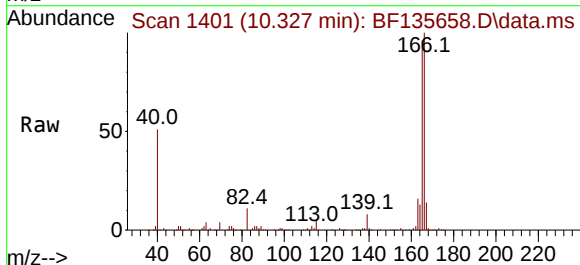
Instrument :
BNA_F
ClientSampleId :
72-11939DL

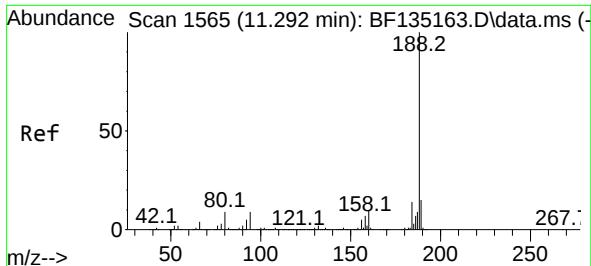
Tgt Ion:168 Resp: 41431
Ion Ratio Lower Upper
168 100
139 35.9 29.0 43.6
169 14.9 10.4 15.6



#58
Fluorene
Concen: 5.612 ng
RT: 10.327 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:166 Resp: 84103
Ion Ratio Lower Upper
166 100
165 95.8 74.3 111.5
167 14.4 10.9 16.3

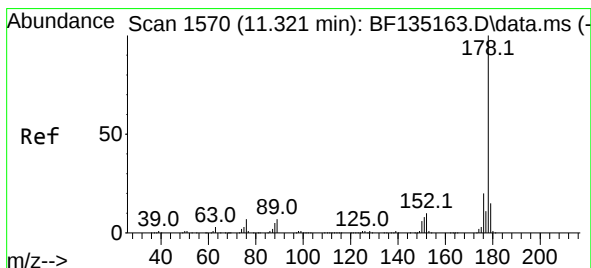
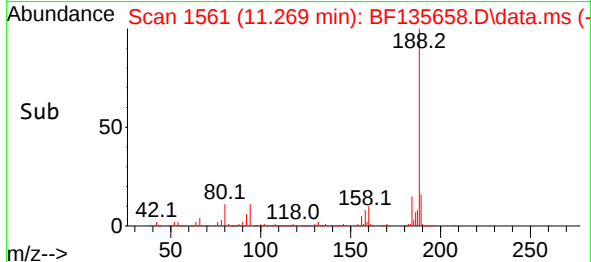
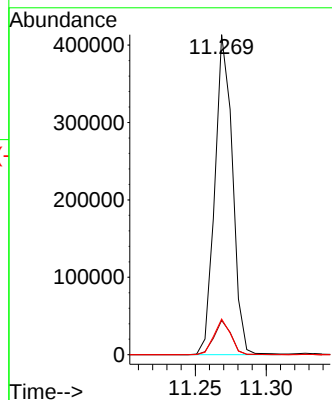
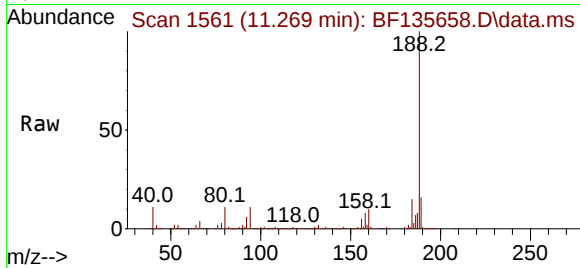




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

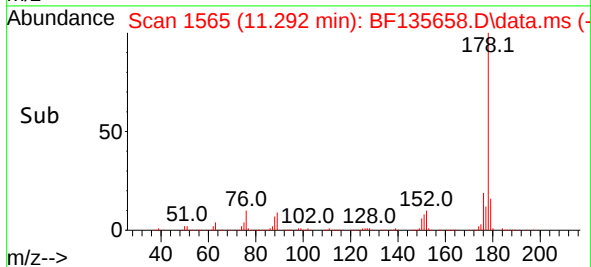
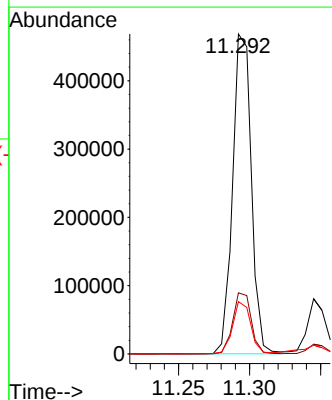
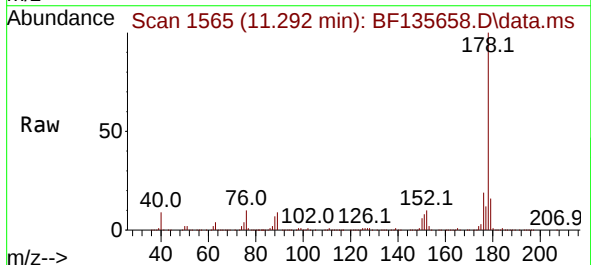
Instrument :
BNA_F
ClientSampleId :
72-11939DL

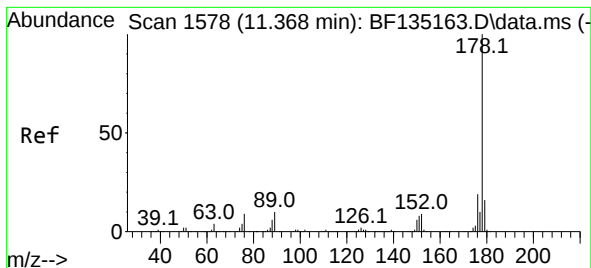
Tgt Ion:188 Resp: 356690
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 11.2 7.5 11.3



#71
Phenanthrene
Concen: 25.457 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:178 Resp: 429454
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.3 12.0 18.0





#72

Anthracene

Concen: 3.960 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

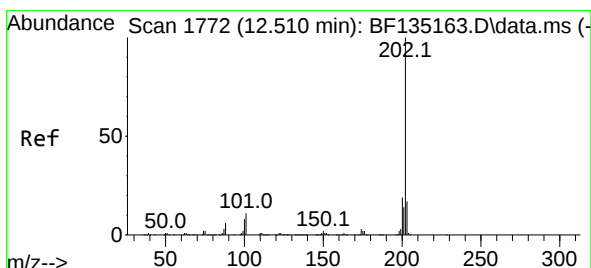
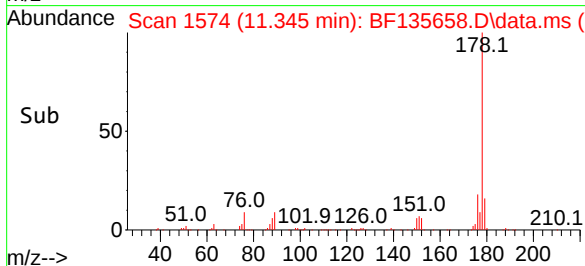
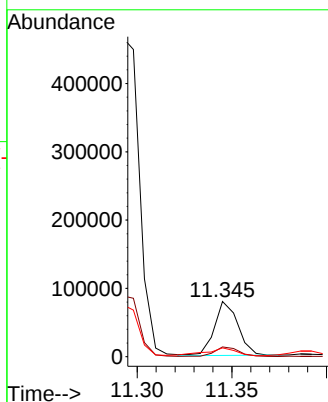
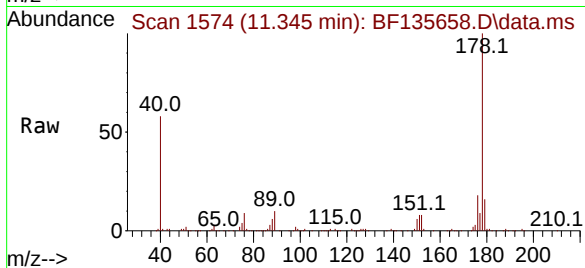
Tgt Ion:178 Resp: 68669

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

179 15.9 12.6 19.0



#75

Fluoranthene

Concen: 45.548 ng

RT: 12.492 min Scan# 1769

Delta R.T. 0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

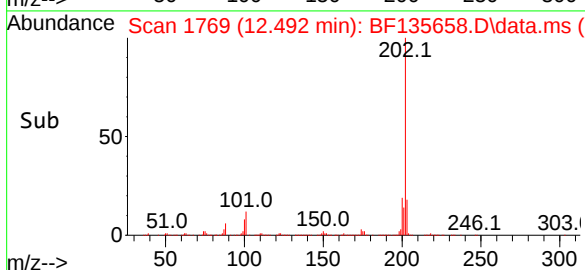
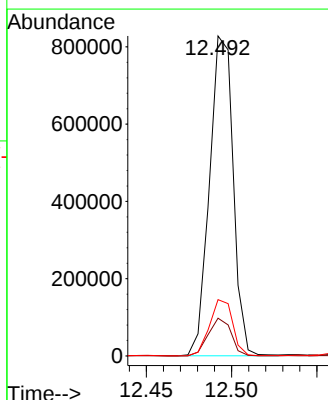
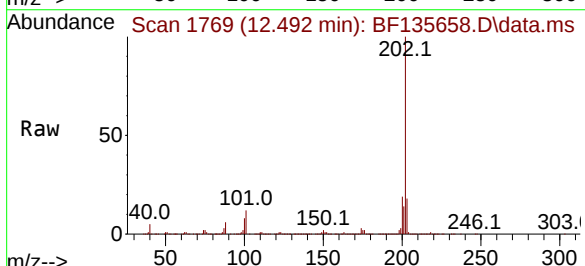
Tgt Ion:202 Resp: 800650

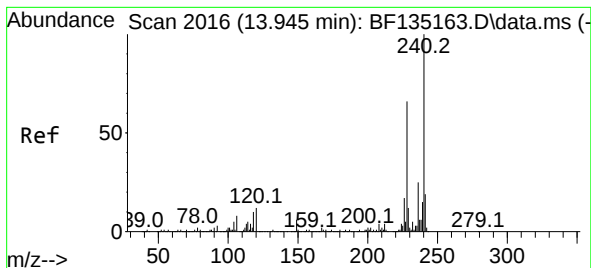
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.3

203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

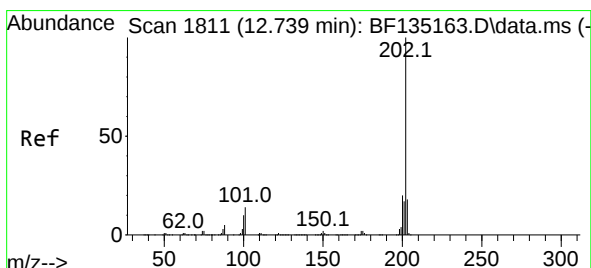
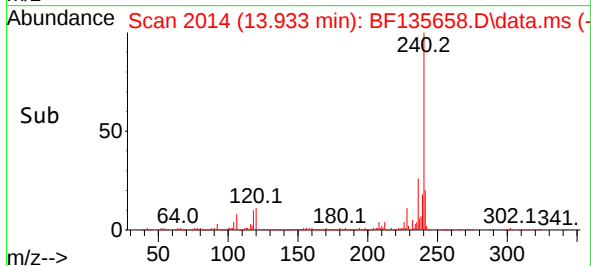
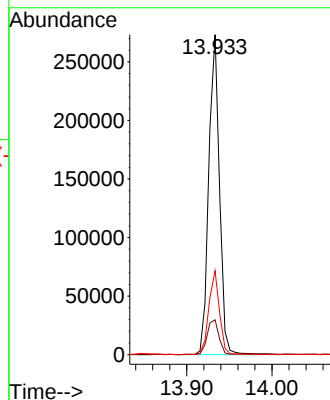
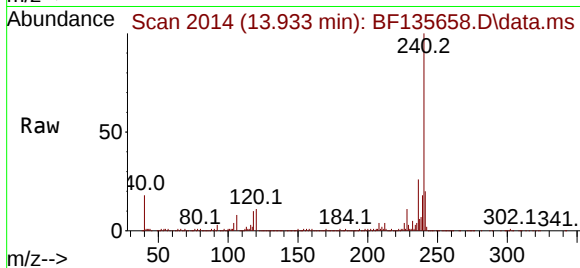
Tgt Ion:240 Resp: 238957

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.2 19.8 29.8



#78

Pyrene

Concen: 23.720 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

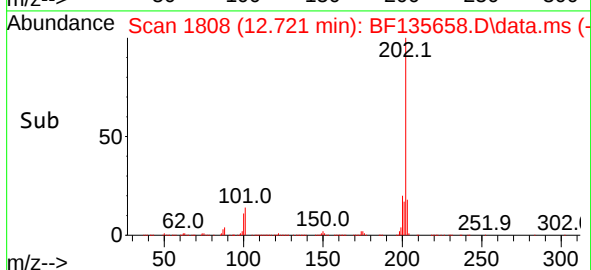
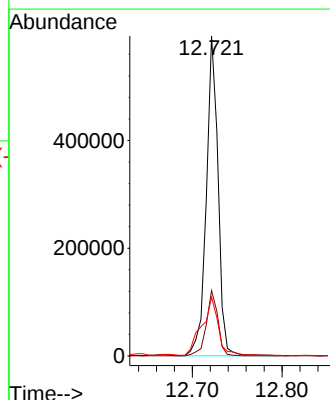
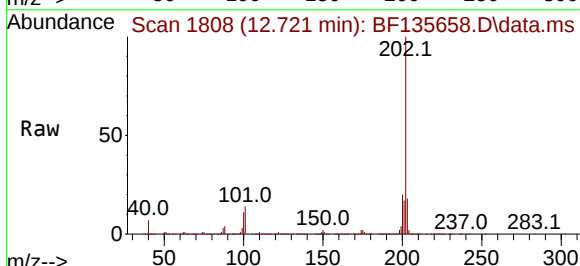
Tgt Ion:202 Resp: 539636

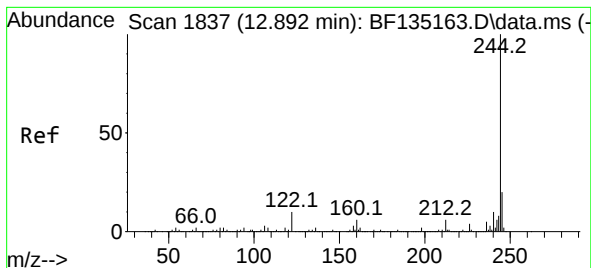
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 18.3 14.2 21.4





#79

Terphenyl-d14

Concen: 15.301 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

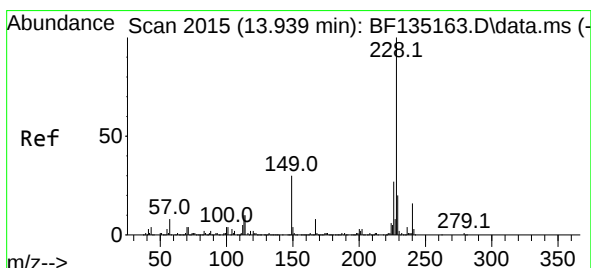
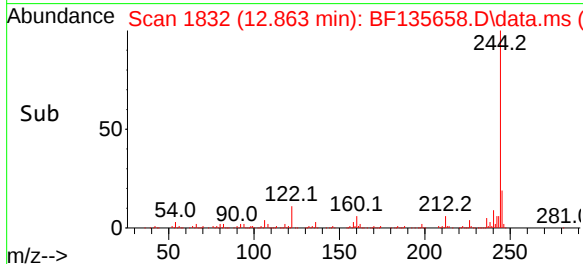
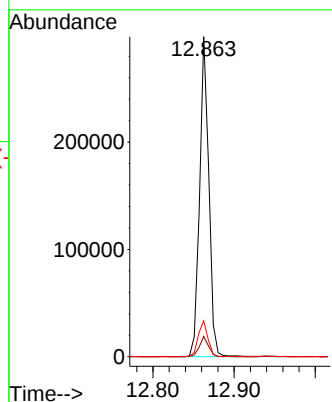
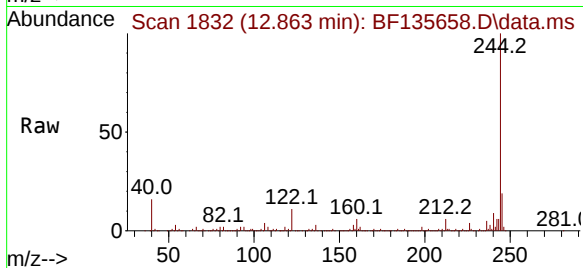
Tgt Ion:244 Resp: 235861

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.2 7.9 11.9



#81

Benzo(a)anthracene

Concen: 10.561 ng

RT: 13.921 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

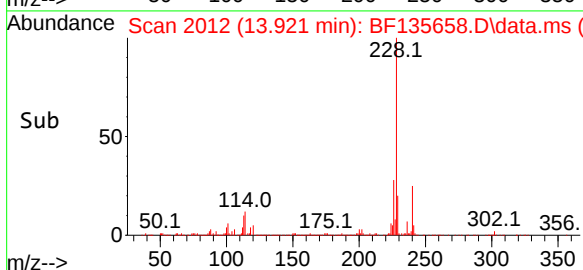
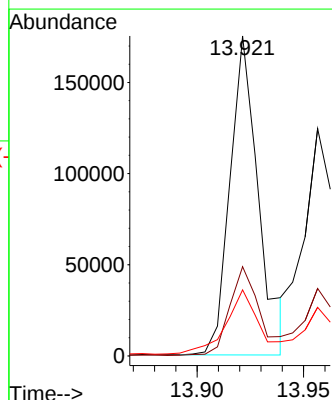
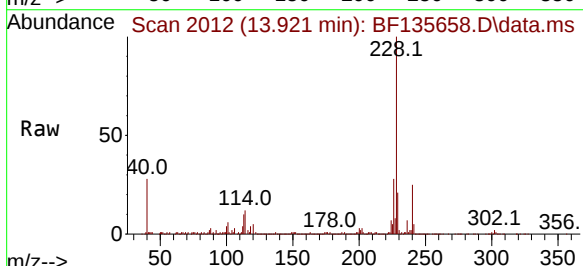
Tgt Ion:228 Resp: 162954

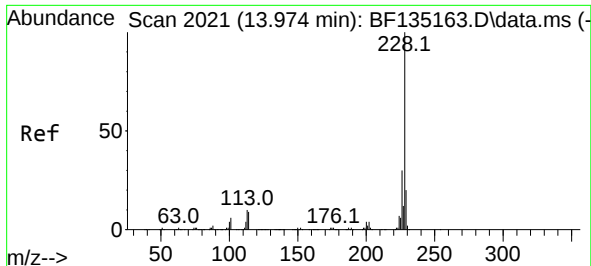
Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

229 20.6 15.8 23.8

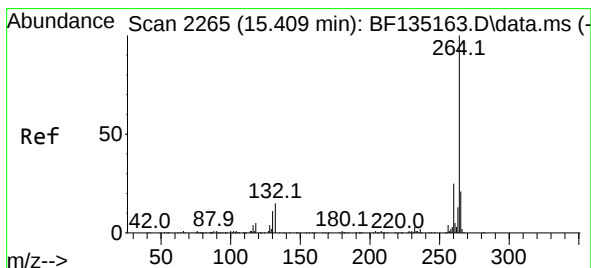
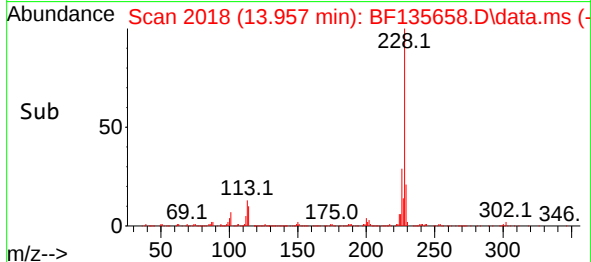
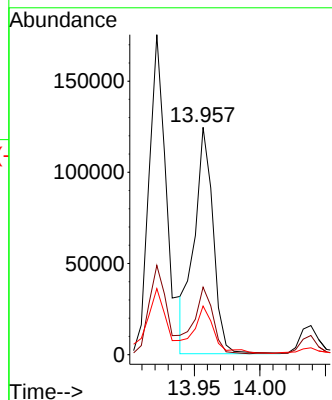
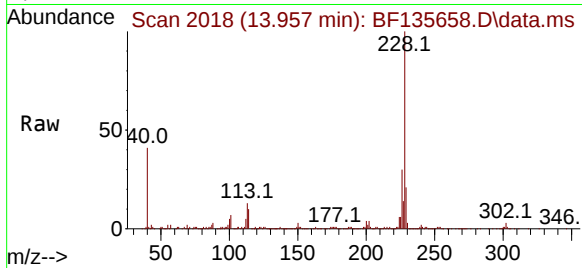




#83
Chrysene
Concen: 8.162 ng
RT: 13.957 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

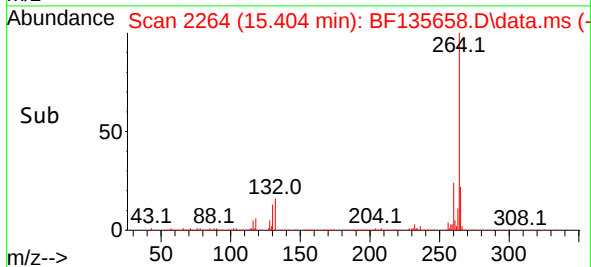
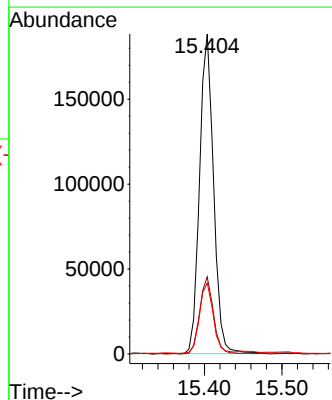
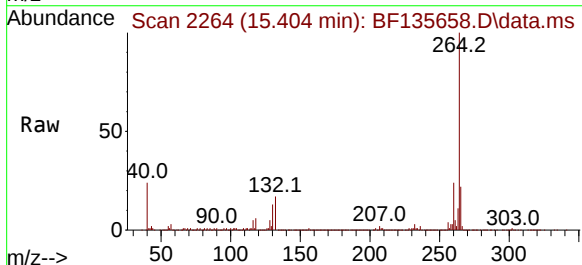
Instrument :
BNA_F
ClientSampleId :
72-11939DL

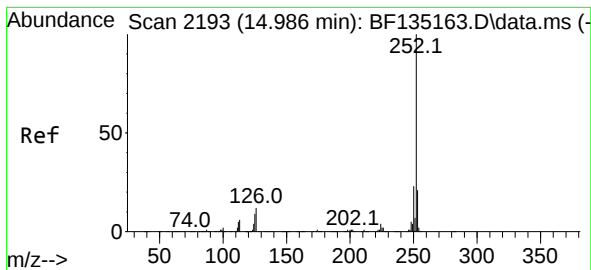
Tgt Ion:228 Resp: 125207
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.4 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.018 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:264 Resp: 236392
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.6
265 22.2 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 9.727 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

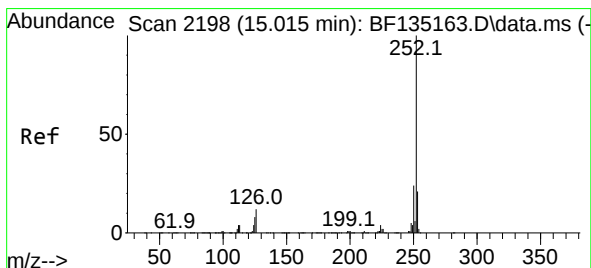
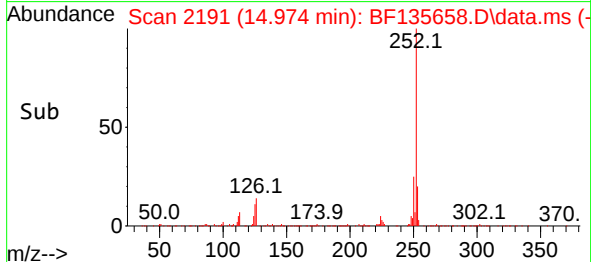
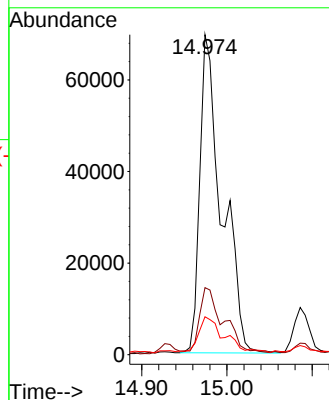
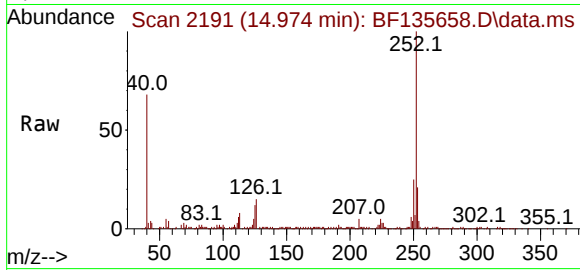
Tgt Ion:252 Resp: 124478

Ion Ratio Lower Upper

252 100

253 20.9 17.2 25.8

125 11.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 9.847 ng

RT: 14.974 min Scan# 2191

Delta R.T. -0.018 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

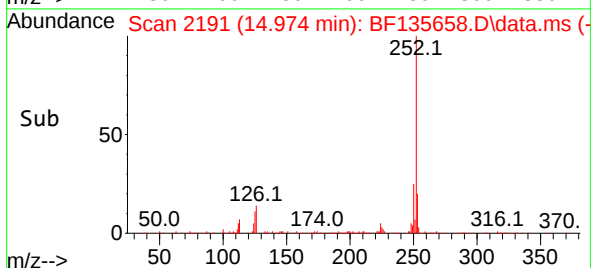
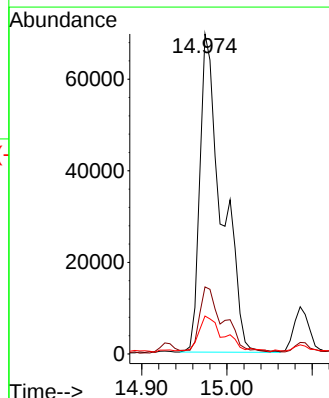
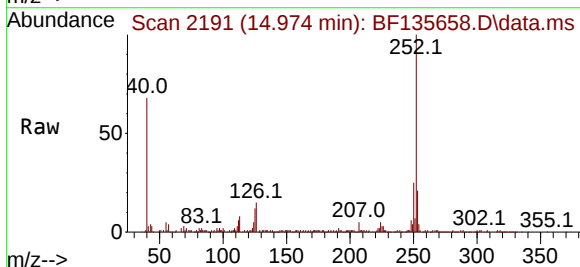
Tgt Ion:252 Resp: 124478

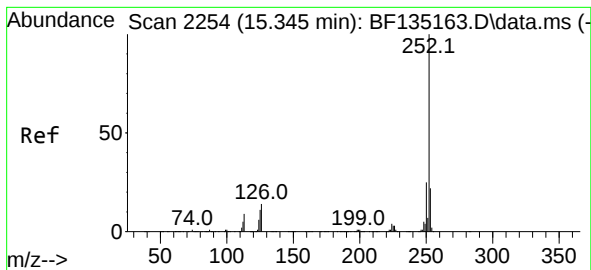
Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

125 11.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.439 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135658.D

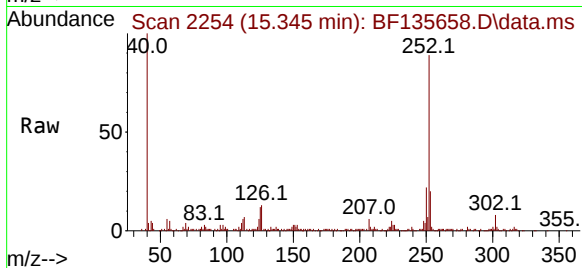
Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL



Tgt Ion:252 Resp: 54165

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 13.2 9.2 13.8

