

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136942.D
 Acq On : 04 Jan 2024 15:45
 Operator : CG\JU
 Sample : 06038-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-803

Quant Time: Jan 04 16:12:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

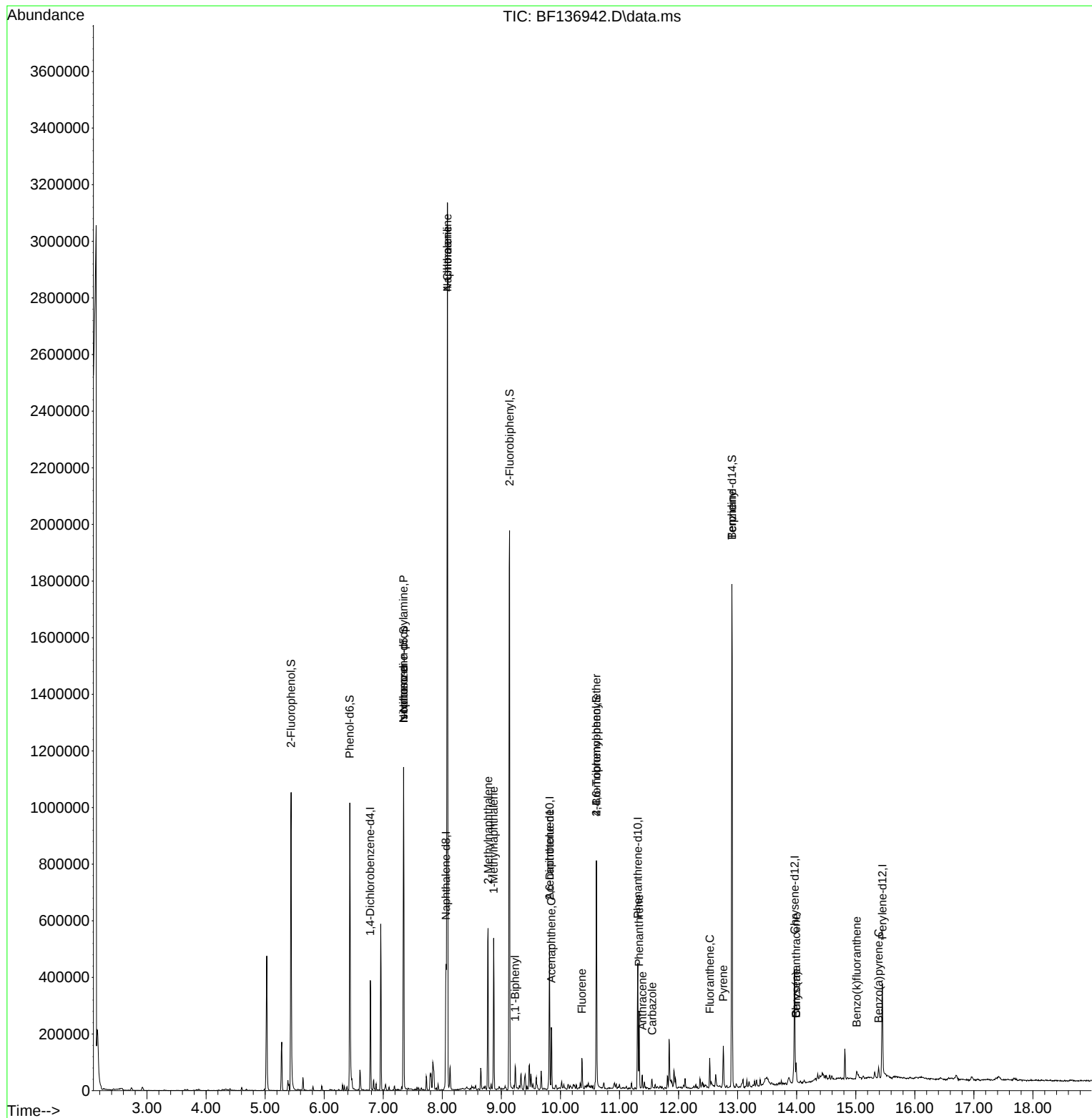
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	57623	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	206919	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	93740	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	158690	20.000	ng	0.00
76) Chrysene-d12	13.968	240	128529	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	155213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	303261	82.115	ng	0.01
7) Phenol-d6	6.434	99	337462	70.519	ng	0.00
23) Nitrobenzene-d5	7.345	82	340411	84.184	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	99046	89.716	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	661606	94.927	ng	-0.01
79) Terphenyl-d14	12.904	244	667003	72.522	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	44716	15.415	ng	# 76
25) Isophorone	7.345	82	338154	45.958	ng	# 65
31) Naphthalene	8.086	128	1425158	125.370	ng	100
33) 4-Chloroaniline	8.086	127	190284	45.337	ng	# 35
37) 2-Methylnaphthalene	8.775	142	155538	21.260	ng	99
38) 1-Methylnaphthalene	8.869	142	129618	18.059	ng	99
46) 1,1'-Biphenyl	9.233	154	26273	3.340	ng	93
51) 2,6-Dinitrotoluene	9.816	165	13796	8.878	ng	# 31
52) Acenaphthene	9.845	154	46419	8.193	ng	99
58) Fluorene	10.363	166	30200	4.431	ng	96
67) 4-Bromophenyl-phenylether	10.610	248	5971	3.388	ng	# 1
71) Phenanthrene	11.333	178	97602	11.987	ng	99
72) Anthracene	11.386	178	18238	2.212	ng	97
73) Carbazole	11.551	167	15870	2.041	ng	95
75) Fluoranthene	12.527	202	38196	4.385	ng	97
77) Benzidine	12.904	184	7770	2.050	ng	# 92
78) Pyrene	12.757	202	59870	4.745	ng	98
81) Benzo(a)anthracene	13.992	228	27507	3.082	ng	94
83) Chrysene	13.992	228	27507	3.152	ng	100
89) Benzo(k)fluoranthene	15.015	252	20360	2.078	ng	# 95
90) Benzo(a)pyrene	15.386	252	19315	2.207	ng	98

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

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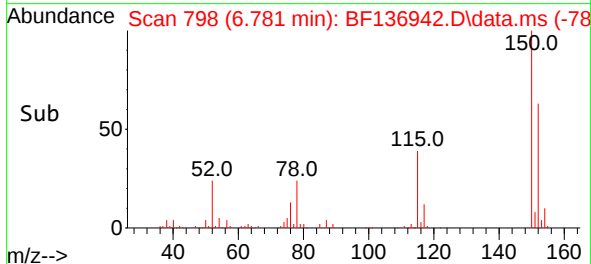
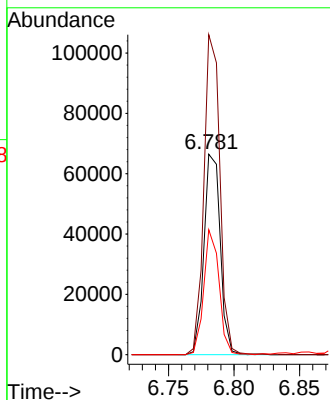
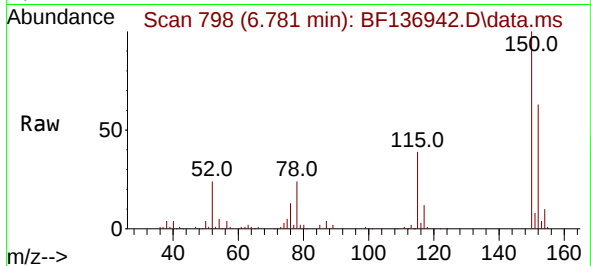




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

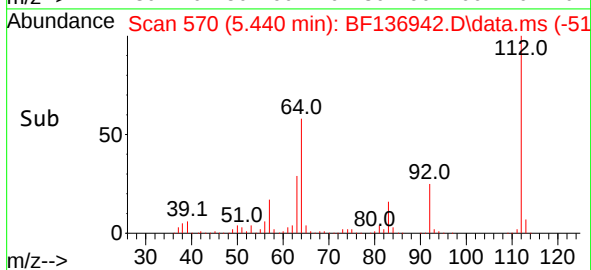
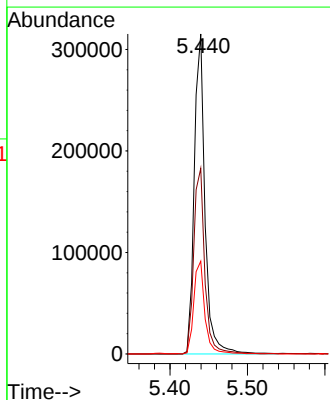
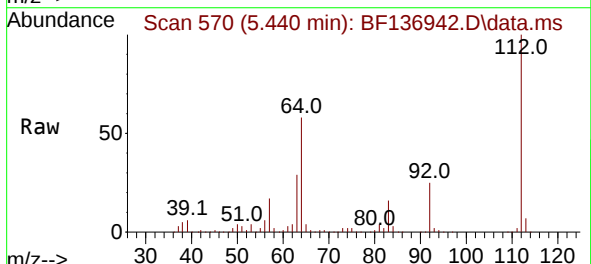
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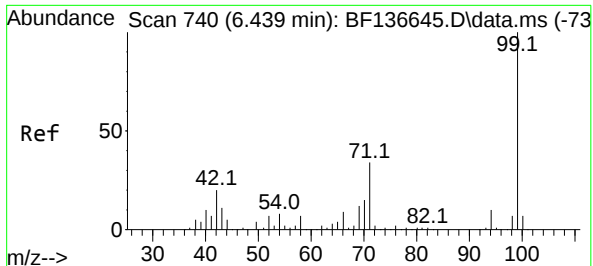
Tgt Ion:152 Resp: 57623
Ion Ratio Lower Upper
152 100
150 159.6 127.0 190.6
115 62.3 49.0 73.4



#5
2-Fluorophenol
Concen: 82.115 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:112 Resp: 303261
Ion Ratio Lower Upper
112 100
64 58.0 51.1 76.7
63 29.0 26.1 39.1

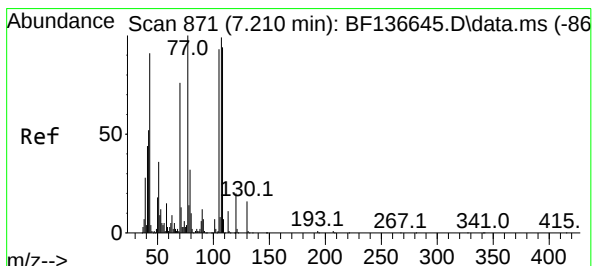
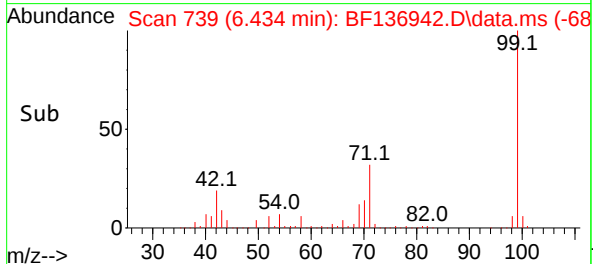
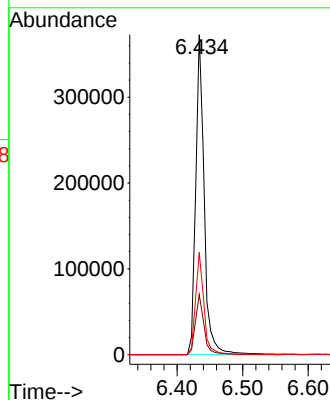
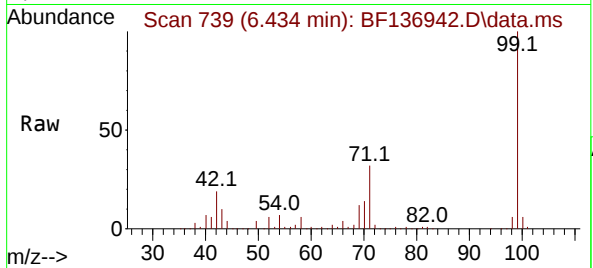




#7
Phenol-d6
Concen: 70.519 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

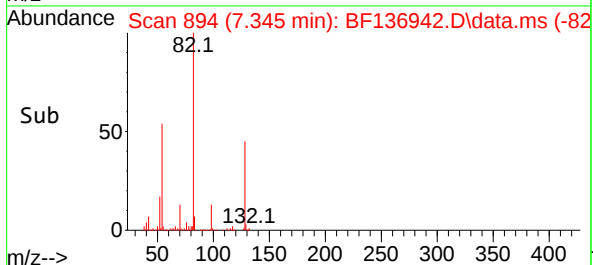
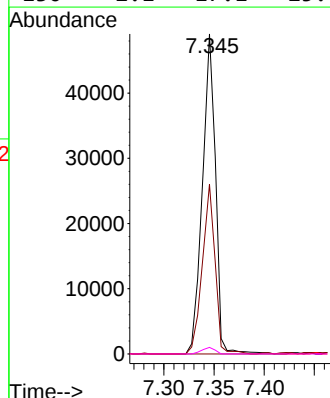
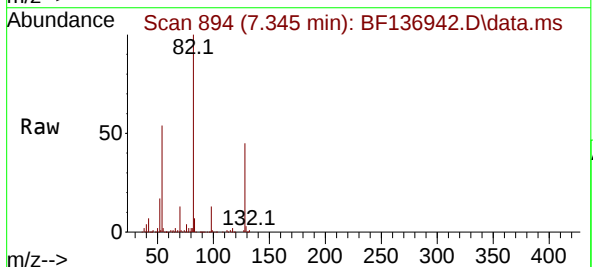
Instrument :
BNA_F
ClientSampleId :
T-803

Tgt Ion: 99 Resp: 337462
Ion Ratio Lower Upper
99 100
42 18.8 16.1 24.1
71 31.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.415 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion: 70 Resp: 44716
Ion Ratio Lower Upper
70 100
42 53.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

Tgt Ion:136 Resp: 206919

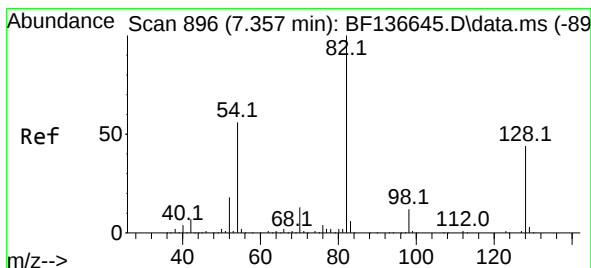
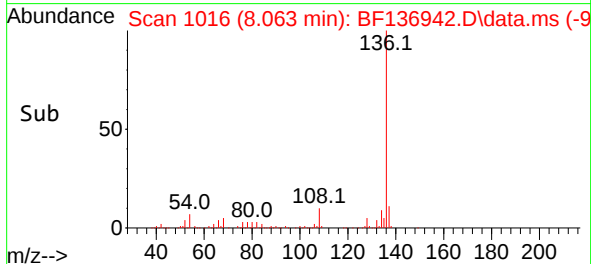
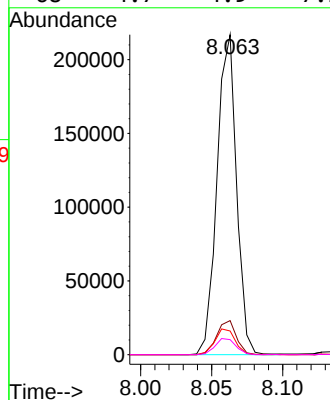
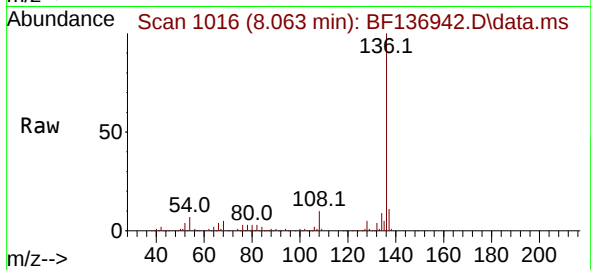
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.4 7.2 10.8

68 4.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 84.184 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

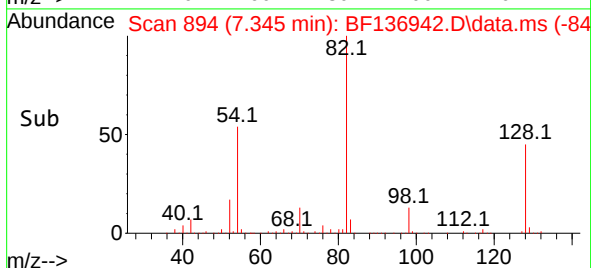
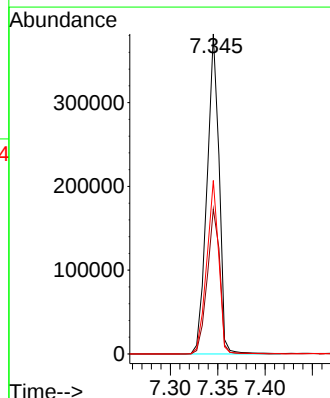
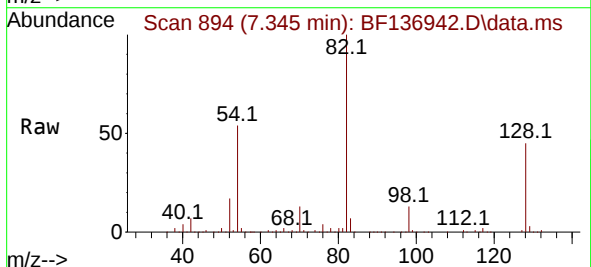
Tgt Ion: 82 Resp: 340411

Ion Ratio Lower Upper

82 100

128 45.3 35.3 52.9

54 54.2 44.5 66.7

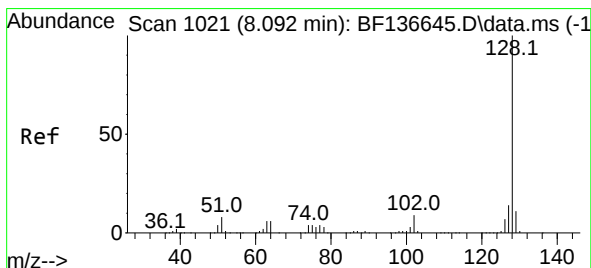
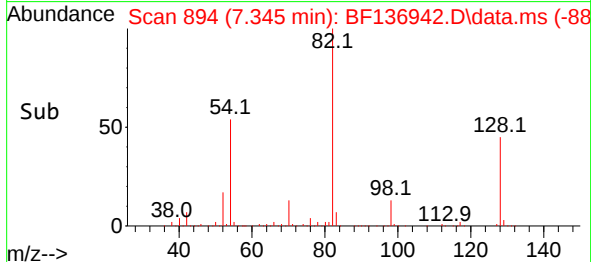
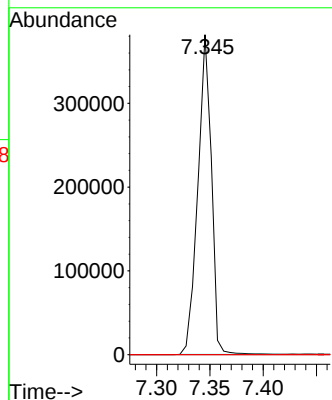
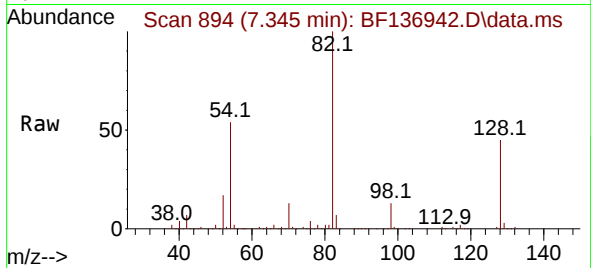




#25
Isophorone
Concen: 45.958 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

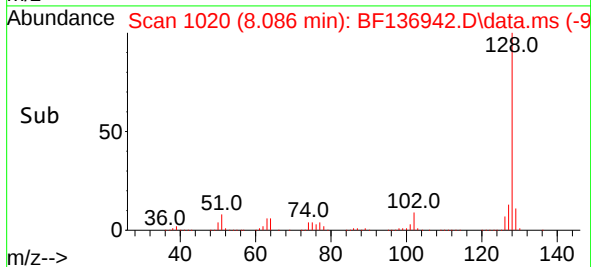
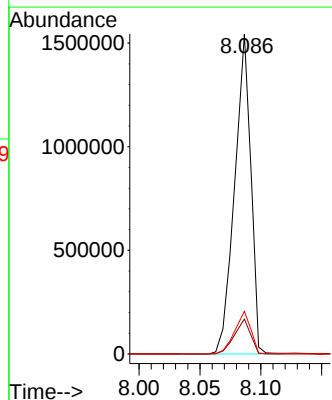
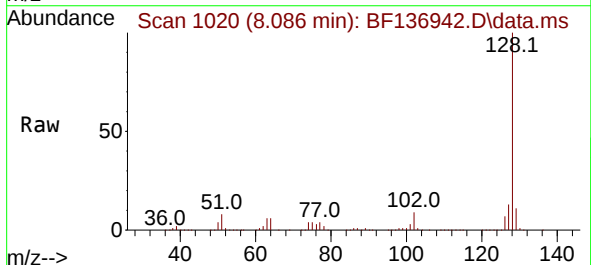
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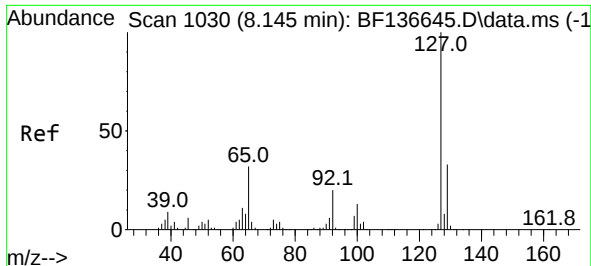
Tgt Ion: 82 Resp: 338154
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 125.370 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion: 128 Resp: 1425158
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.3 10.8 16.2

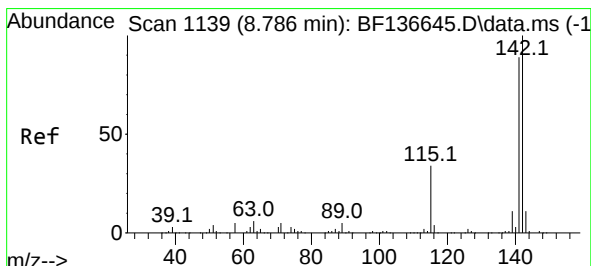
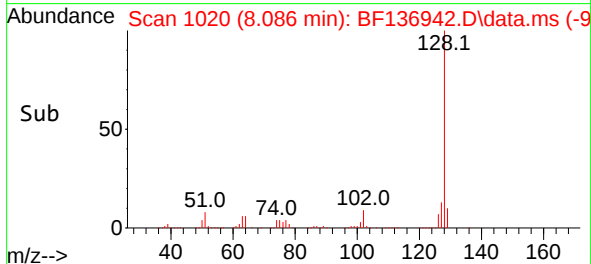
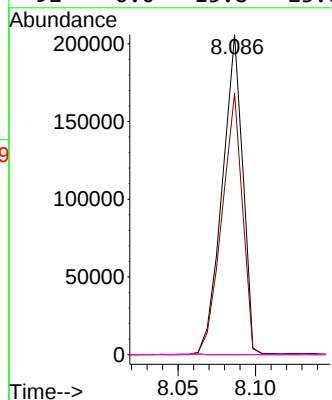
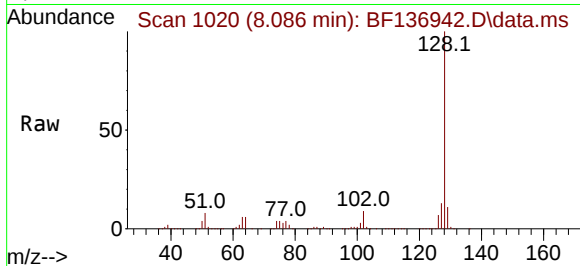




#33
4-Chloroaniline
Concen: 45.337 ng
RT: 8.086 min Scan# 110
Delta R.T. -0.059 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

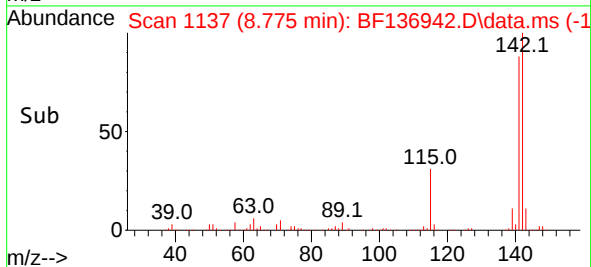
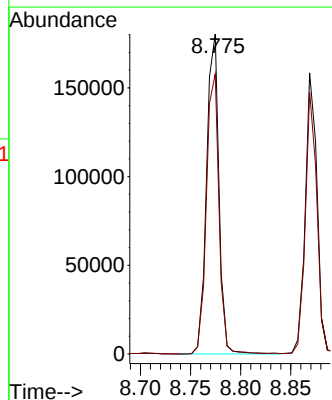
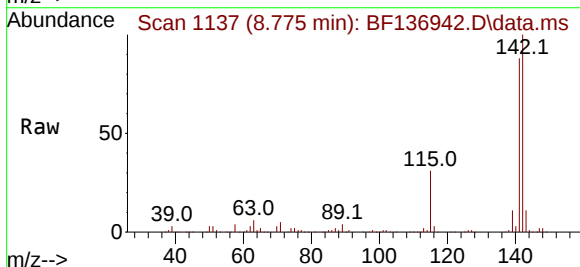
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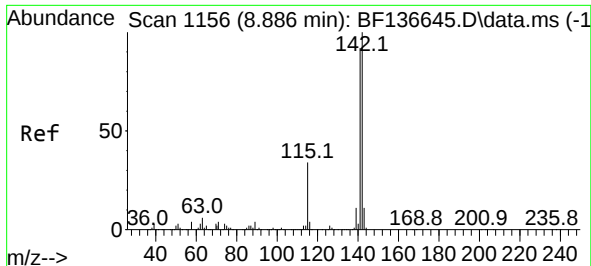
Tgt Ion:127	Resp: 190284
Ion Ratio	Lower Upper
127	100
129	81.7 26.3 39.5#
65	0.0 25.8 38.8#
92	0.0 15.8 23.6#



#37
2-Methylnaphthalene
Concen: 21.260 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:142	Resp: 155538
Ion Ratio	Lower Upper
142	100
141	87.5 71.1 106.7

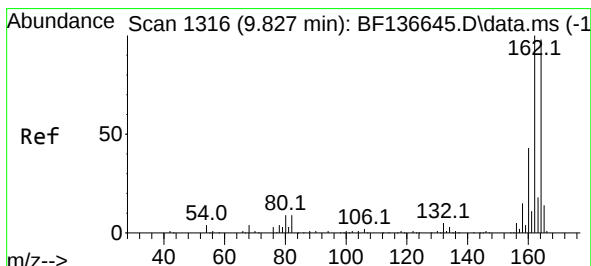
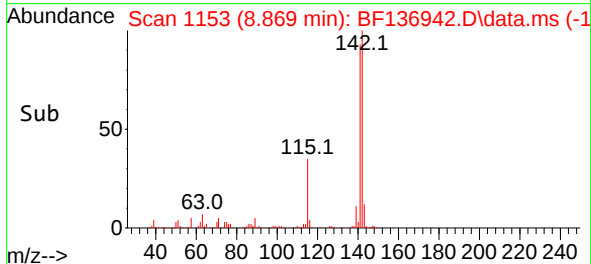
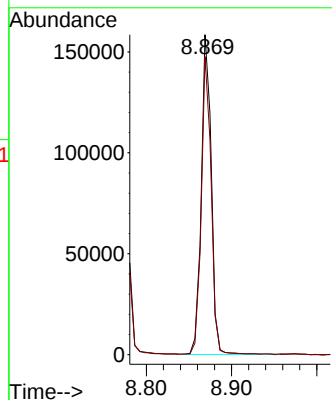
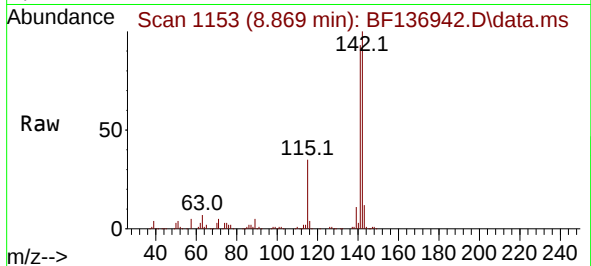




#38
1-Methylnaphthalene
Concen: 18.059 ng
RT: 8.869 min Scan# 1156
Delta R.T. -0.018 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

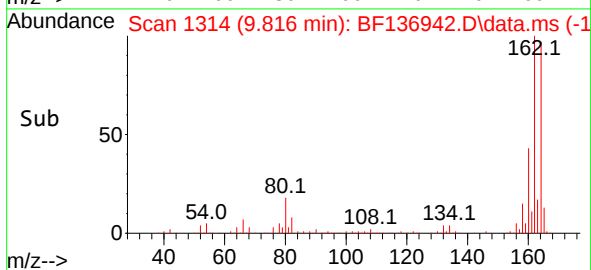
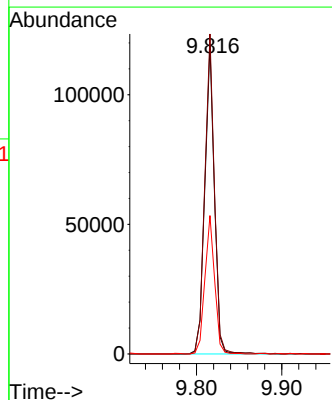
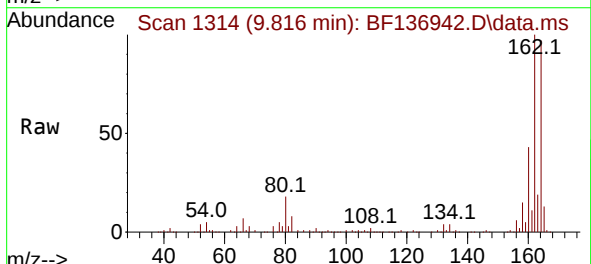
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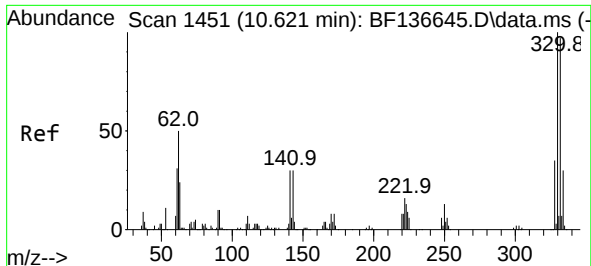
Tgt Ion:142 Resp: 129618
Ion Ratio Lower Upper
142 100
141 93.1 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:164 Resp: 93740
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 44.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 89.716 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136942.D

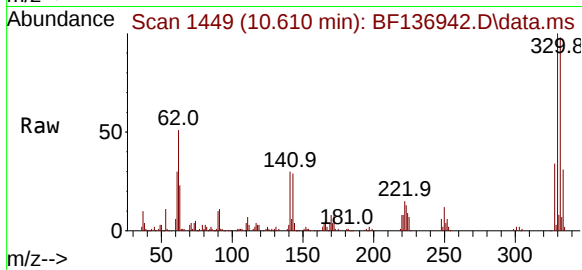
Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

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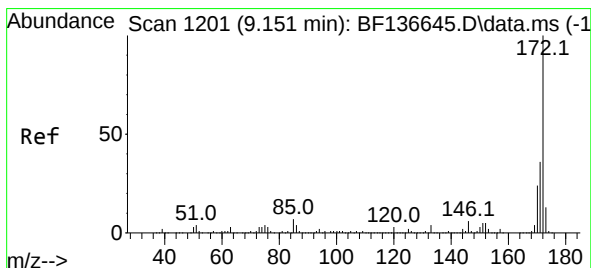
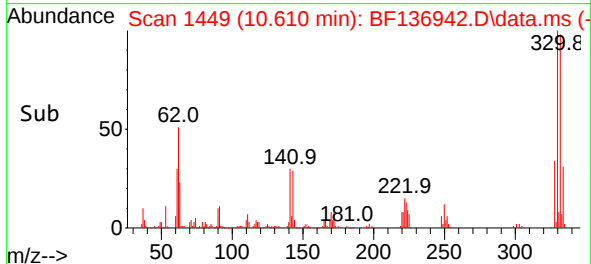
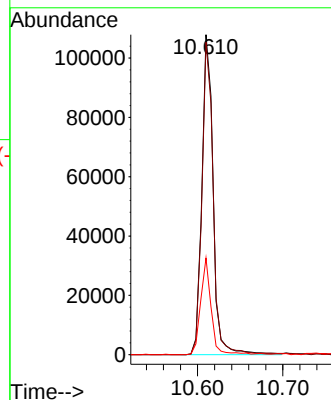
Tgt Ion:330 Resp: 99046

Ion Ratio Lower Upper

330 100

332 98.3 77.4 116.0

141 28.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 94.927 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

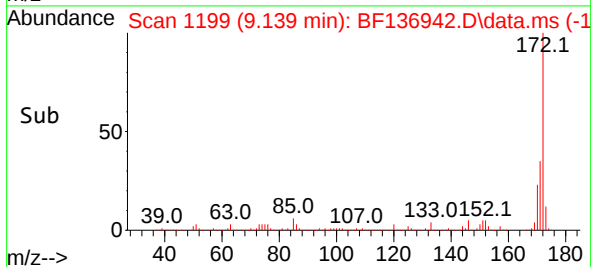
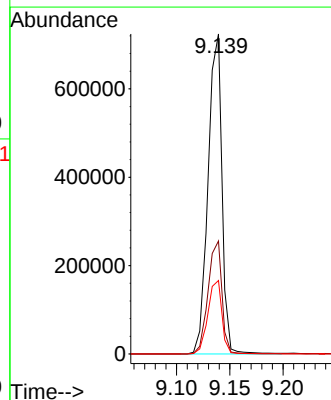
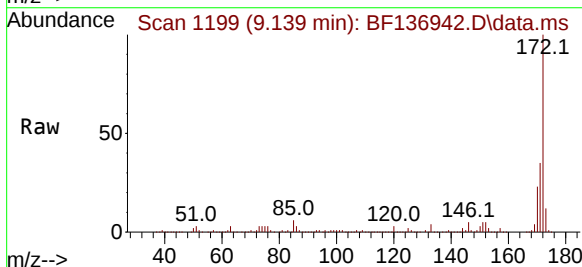
Tgt Ion:172 Resp: 661606

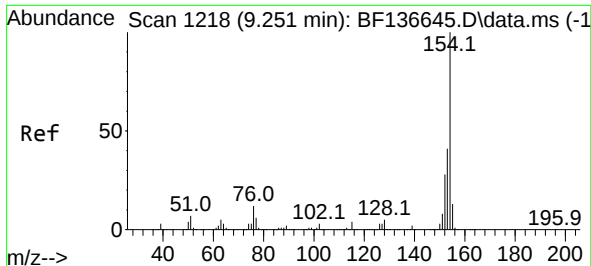
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

170 22.9 19.0 28.4





#46

1,1'-Biphenyl

Concen: 3.340 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

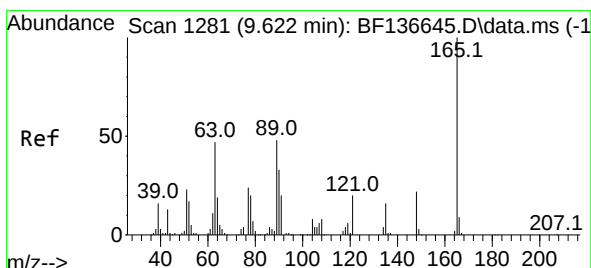
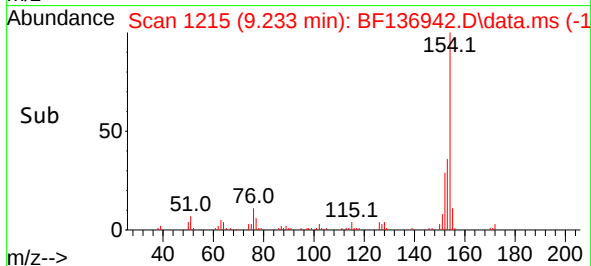
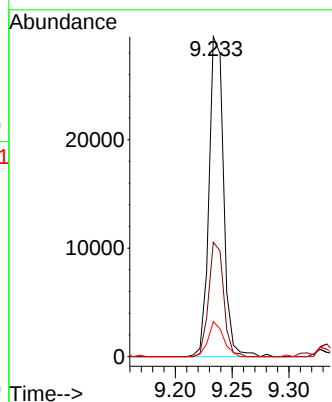
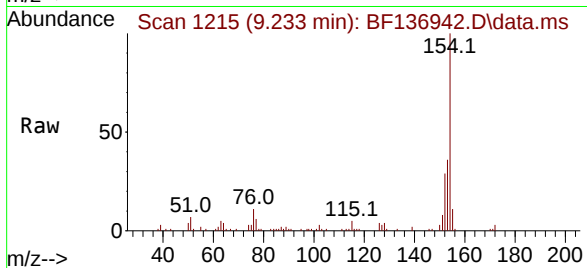
Tgt Ion:154 Resp: 26273

Ion Ratio Lower Upper

154 100

153 35.8 21.1 61.1

76 10.9 0.0 31.7



#51

2,6-Dinitrotoluene

Concen: 8.878 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.194 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

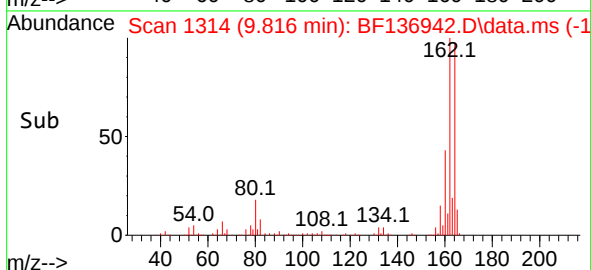
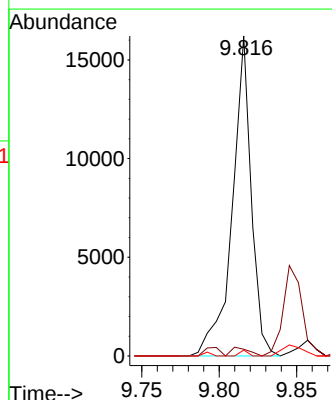
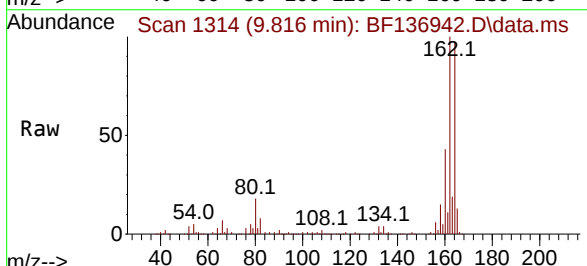
Tgt Ion:165 Resp: 13796

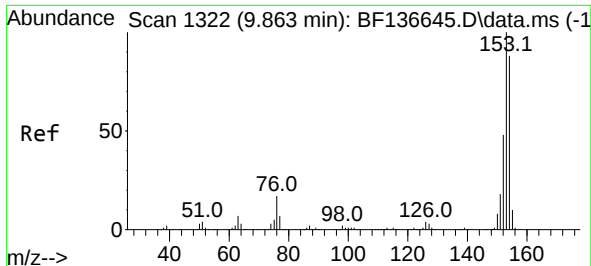
Ion Ratio Lower Upper

165 100

63 2.1 39.8 59.6#

89 1.9 38.8 58.2#

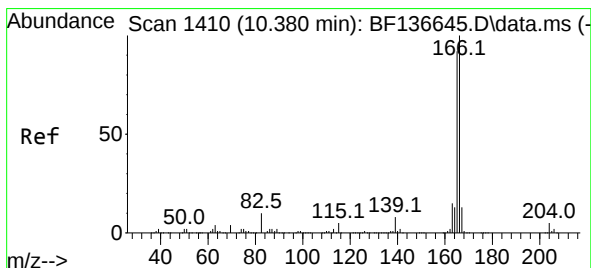
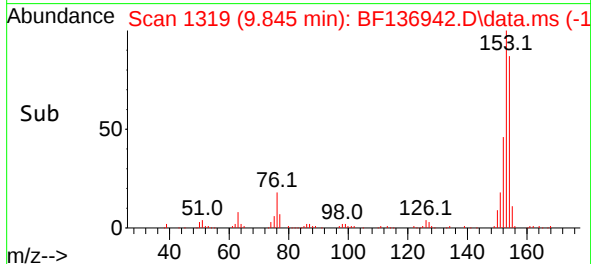
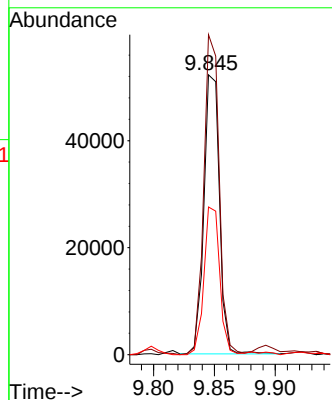
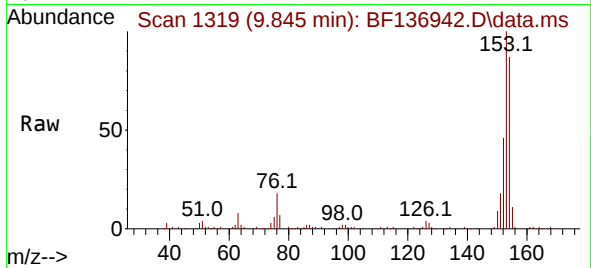




#52
Acenaphthene
Concen: 8.193 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

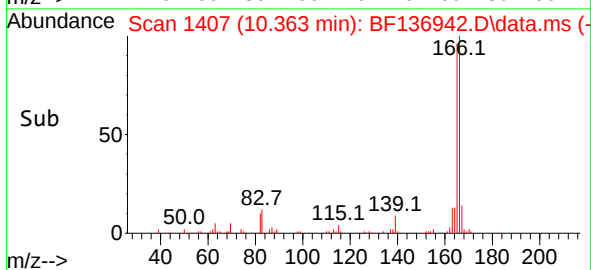
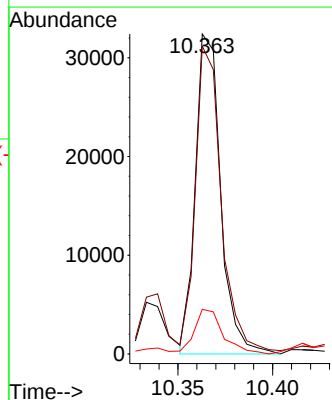
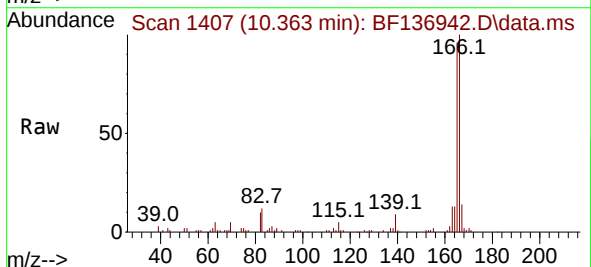
Instrument :
BNA_F
ClientSampleId :
T-803

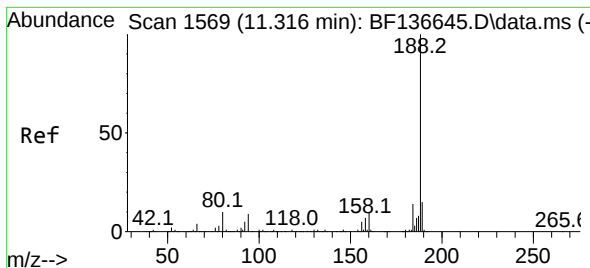
Tgt Ion:154 Resp: 46419
Ion Ratio Lower Upper
154 100
153 114.4 90.7 136.1
152 52.8 43.7 65.5



#58
Fluorene
Concen: 4.431 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:166 Resp: 30200
Ion Ratio Lower Upper
166 100
165 96.2 73.7 110.5
167 13.9 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

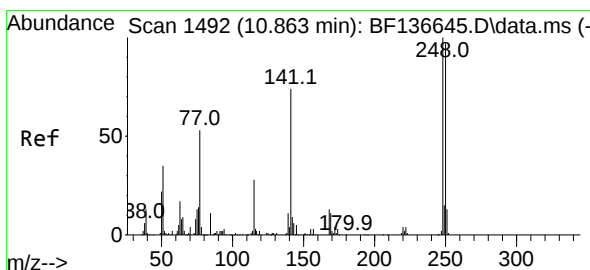
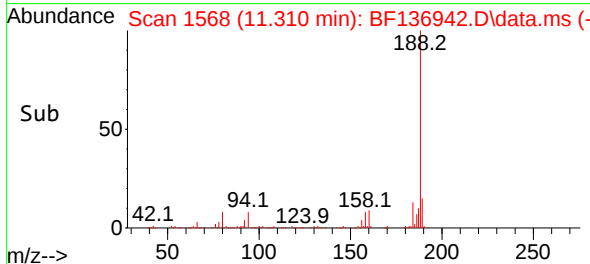
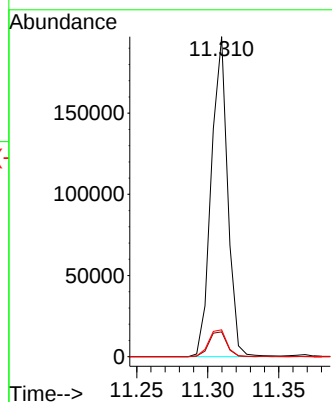
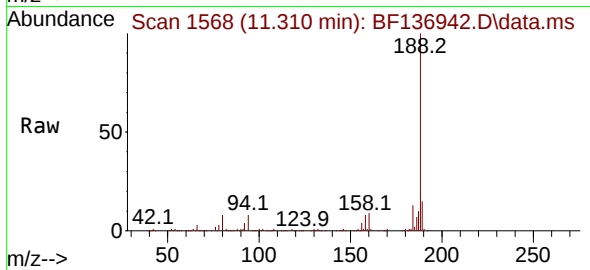
Tgt Ion:188 Resp: 158690

Ion Ratio Lower Upper

188 100

94 7.8 7.5 11.3

80 8.4 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.388 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

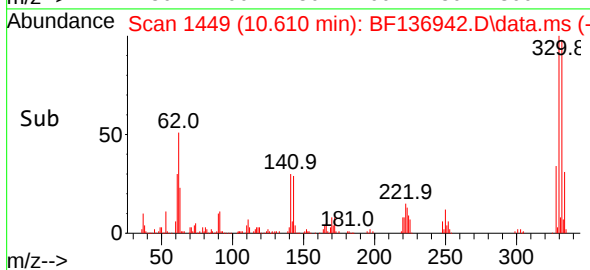
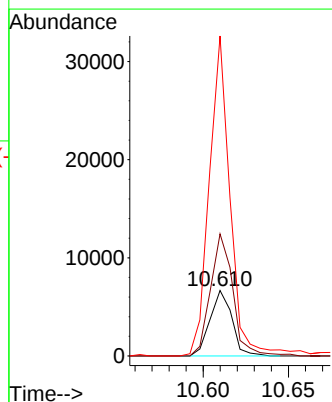
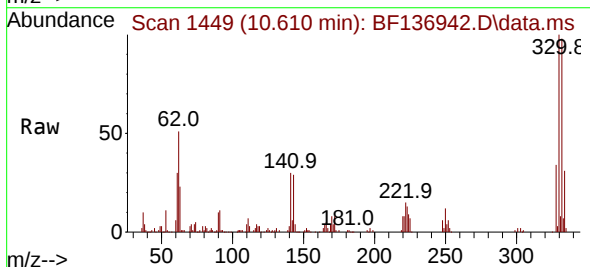
Tgt Ion:248 Resp: 5971

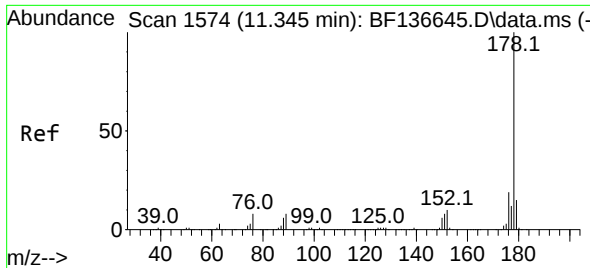
Ion Ratio Lower Upper

248 100

250 186.3 77.8 116.6#

141 488.4 59.2 88.8#

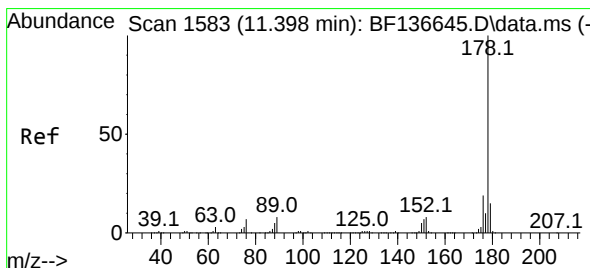
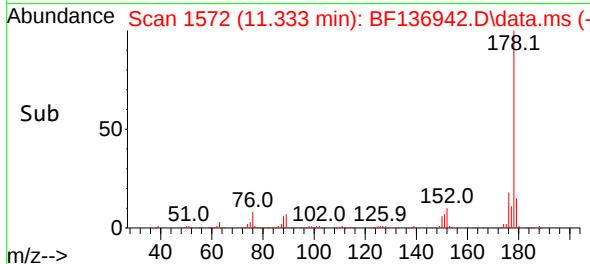
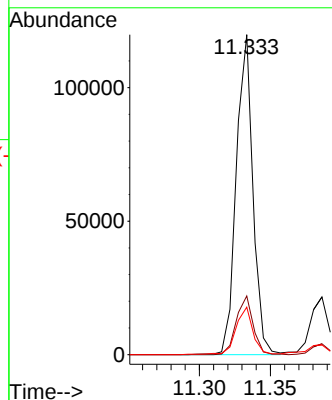
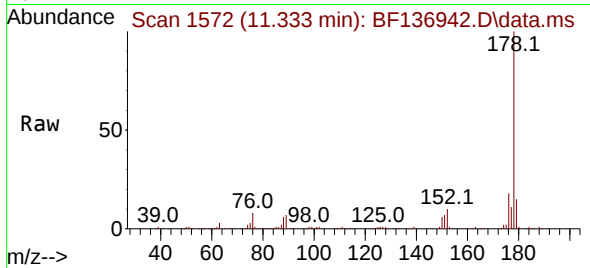




#71
Phenanthrene
Concen: 11.987 ng
RT: 11.333 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

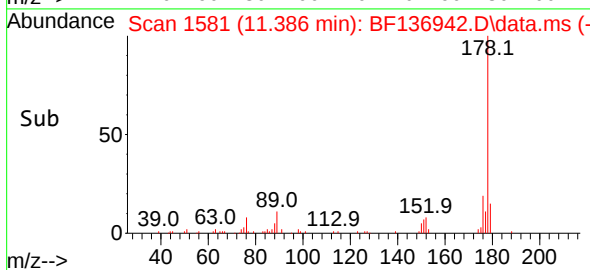
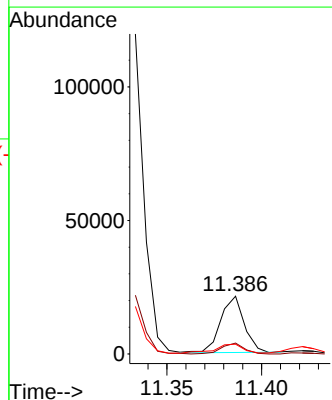
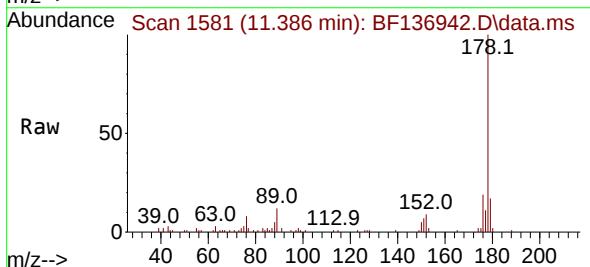
Instrument : BNA_F
ClientSampleId : T-803

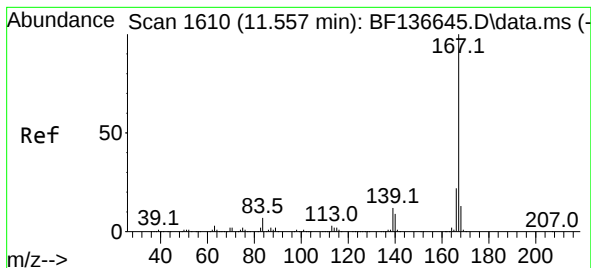
Tgt Ion:178 Resp: 97602
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 14.9 11.9 17.9



#72
Anthracene
Concen: 2.212 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:178 Resp: 18238
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 16.9 11.8 17.6





#73

Carbazole

Concen: 2.041 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

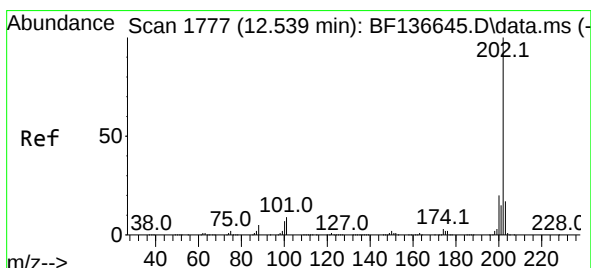
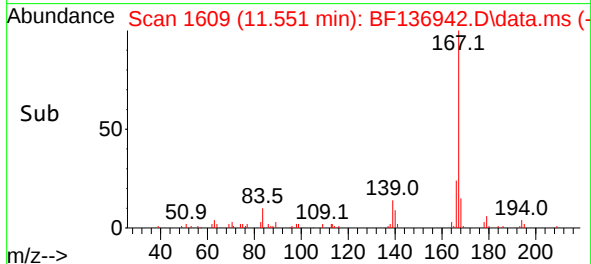
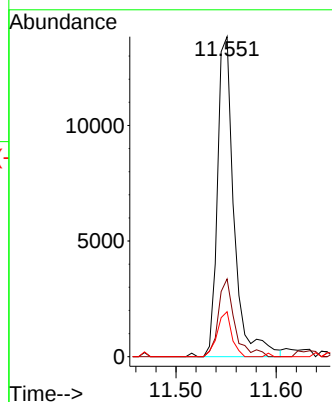
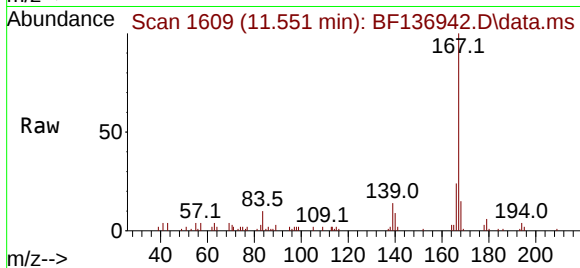
Tgt Ion:167 Resp: 15870

Ion Ratio Lower Upper

167 100

166 24.3 17.3 25.9

139 14.0 9.8 14.6



#75

Fluoranthene

Concen: 4.385 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

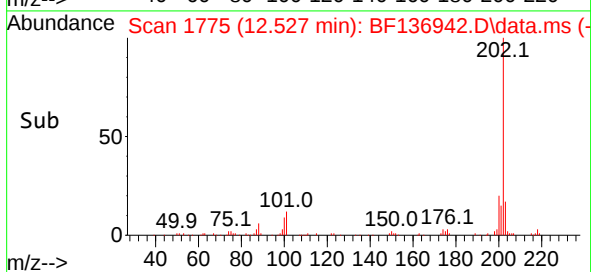
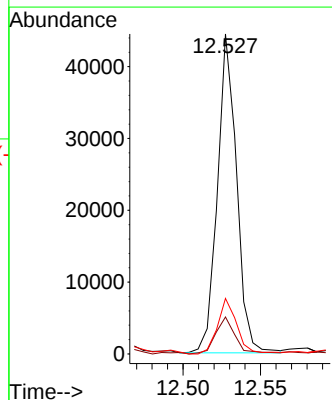
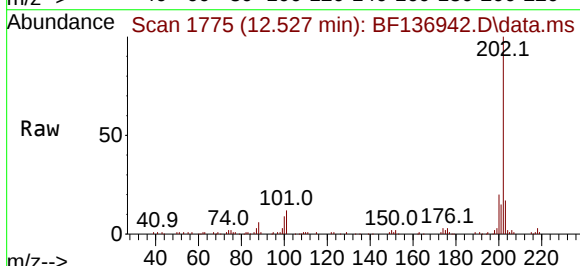
Tgt Ion:202 Resp: 38196

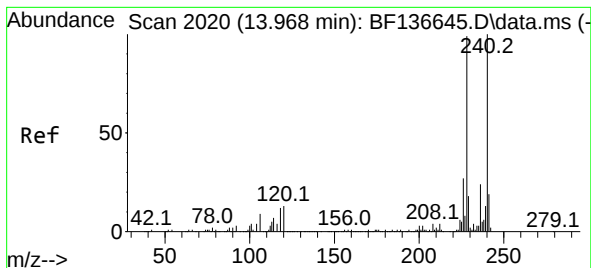
Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.3

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

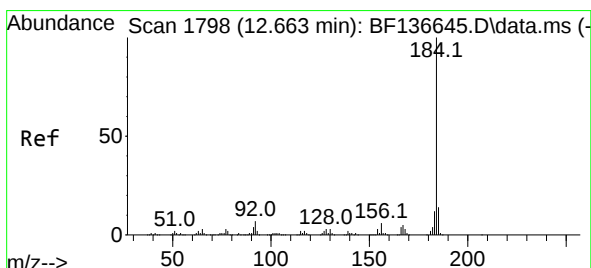
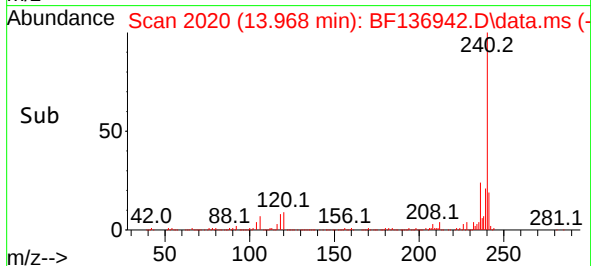
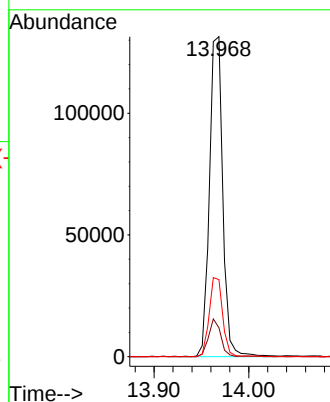
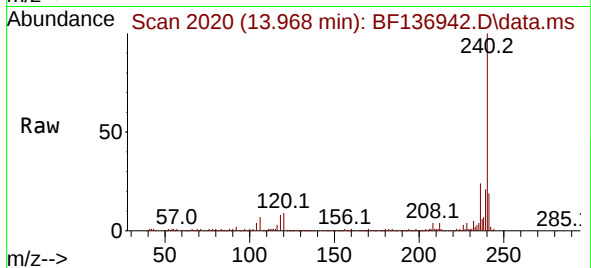
Tgt Ion:240 Resp: 128529

Ion Ratio Lower Upper

240 100

120 9.0 10.3 15.5#

236 24.1 19.4 29.2



#77

Benzidine

Concen: 2.050 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

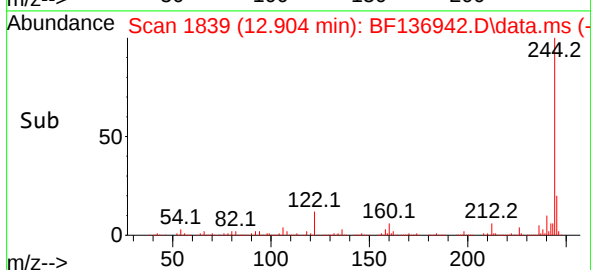
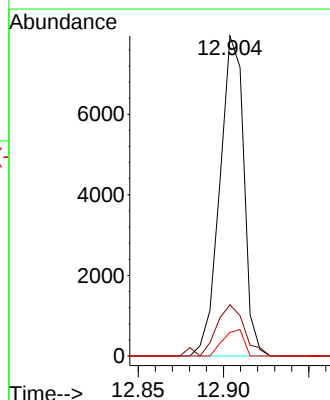
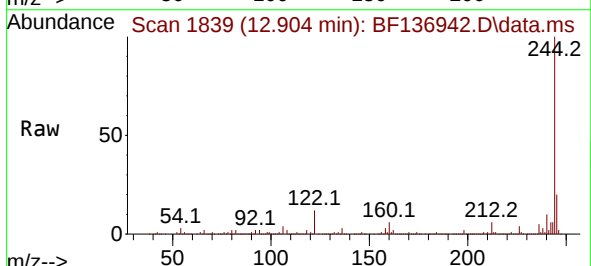
Tgt Ion:184 Resp: 7770

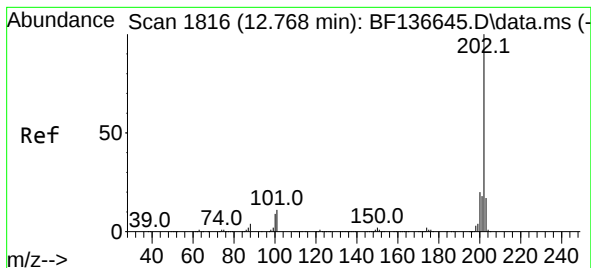
Ion Ratio Lower Upper

184 100

185 16.0 11.2 16.8

183 7.4 9.3 13.9#





#78

Pyrene

Concen: 4.745 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

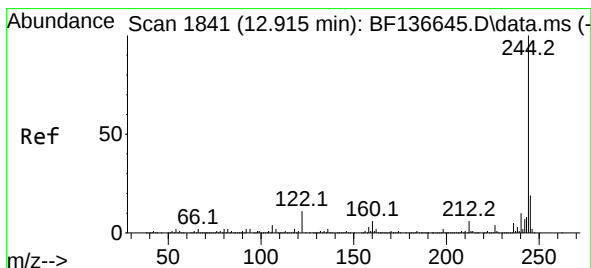
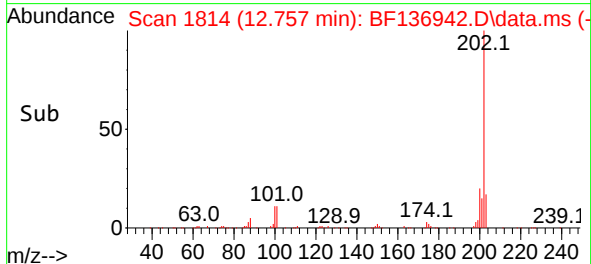
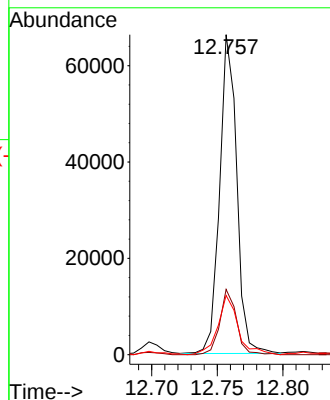
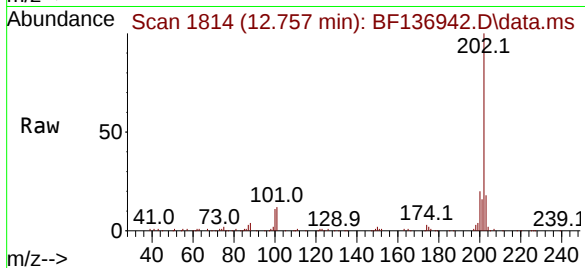
Tgt Ion:202 Resp: 59870

Ion Ratio Lower Upper

202 100

200 20.4 15.9 23.9

203 18.5 13.8 20.6



#79

Terphenyl-d14

Concen: 72.522 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

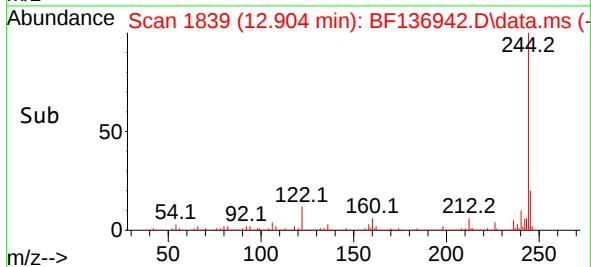
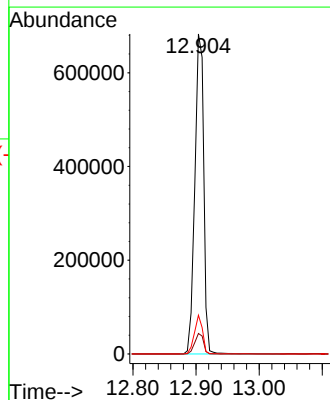
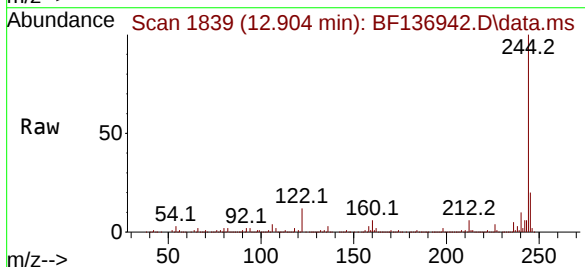
Tgt Ion:244 Resp: 667003

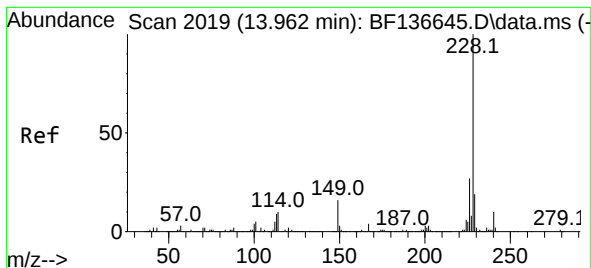
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 12.1 9.0 13.4





#81

Benzo(a)anthracene

Concen: 3.082 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.030 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

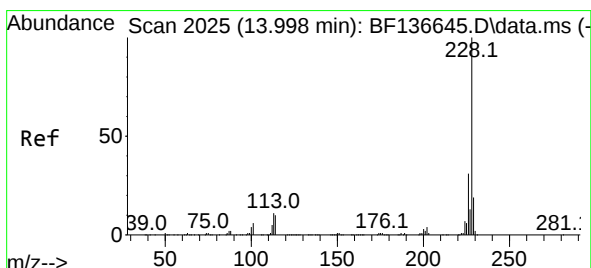
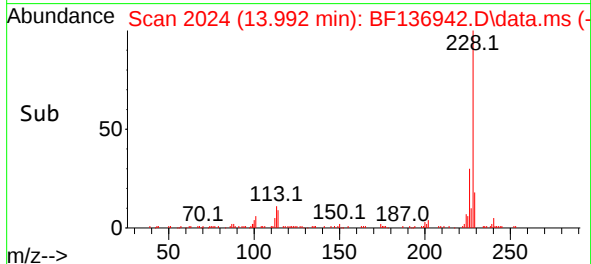
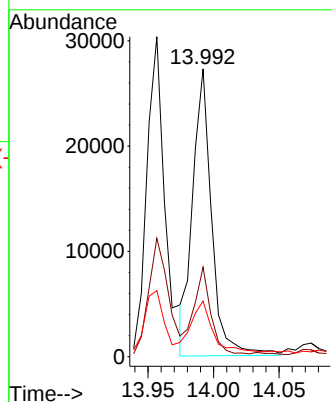
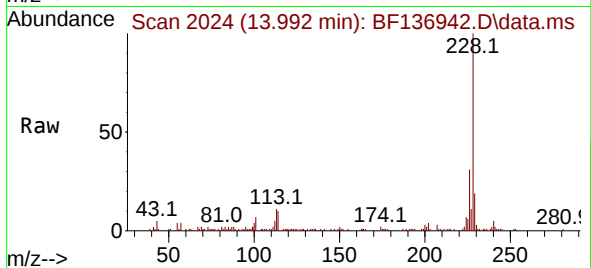
Tgt Ion:228 Resp: 27507

Ion Ratio Lower Upper

228 100

226 31.1 21.4 32.0

229 19.3 14.9 22.3



#83

Chrysene

Concen: 3.152 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

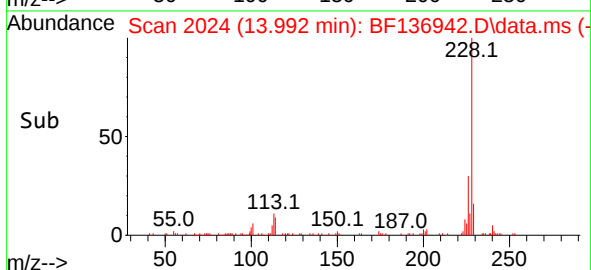
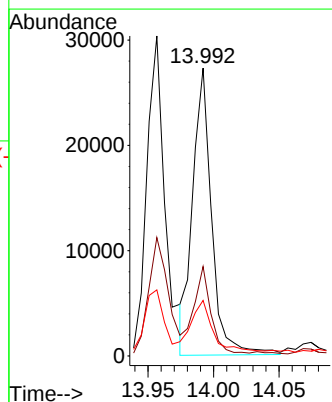
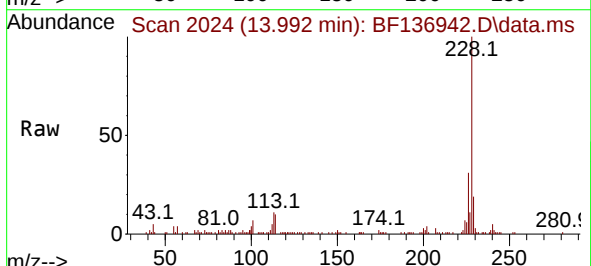
Tgt Ion:228 Resp: 27507

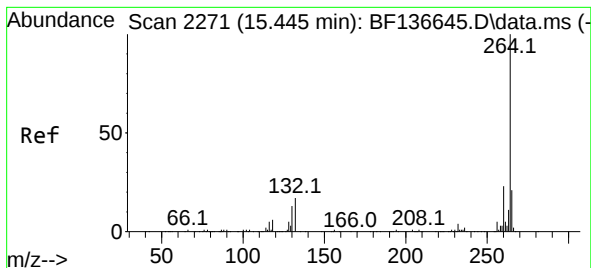
Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

229 19.3 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

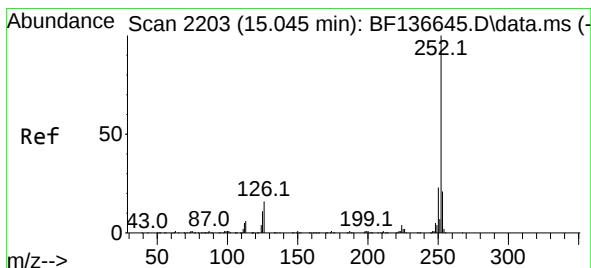
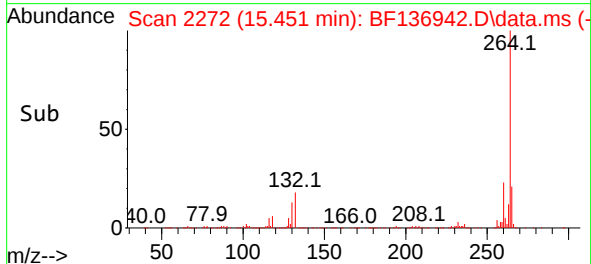
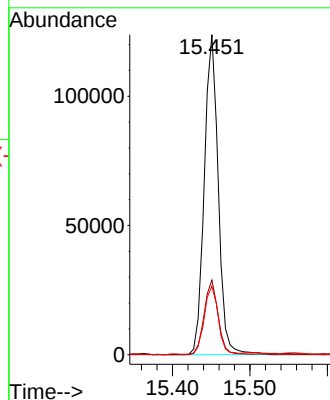
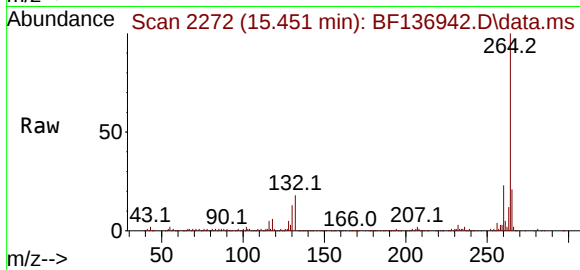
Tgt Ion:264 Resp: 155213

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 21.4 17.0 25.6



#89

Benzo(k)fluoranthene

Concen: 2.078 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

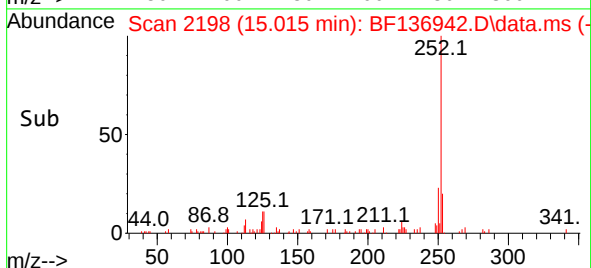
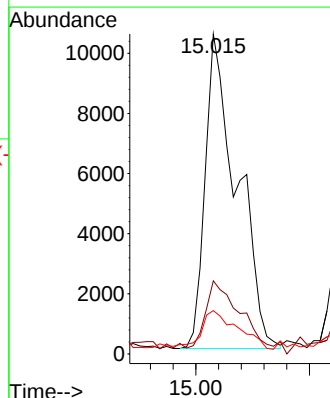
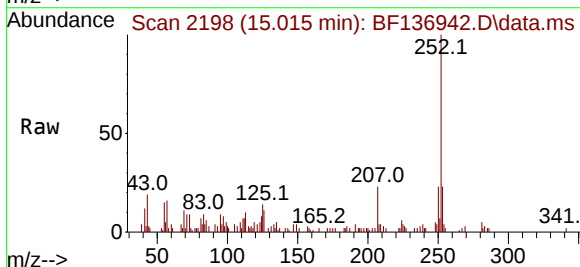
Tgt Ion:252 Resp: 20360

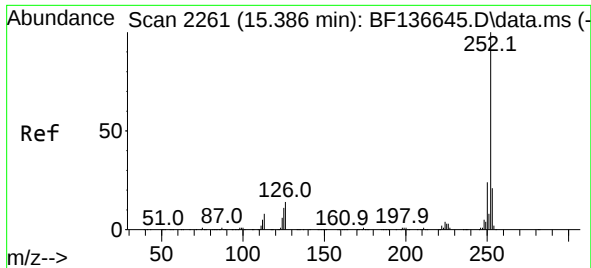
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 13.5 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.207 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136942.D

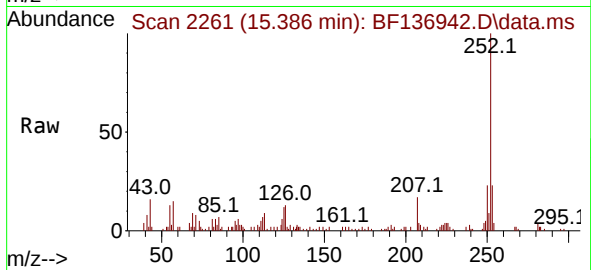
Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803



Tgt Ion:252 Resp: 19315

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 11.7 8.8 13.2

