

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140046.D
 Acq On : 25 Oct 2024 19:18
 Operator : RC/JU
 Sample : P4516-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Quant Time: Oct 25 22:43:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

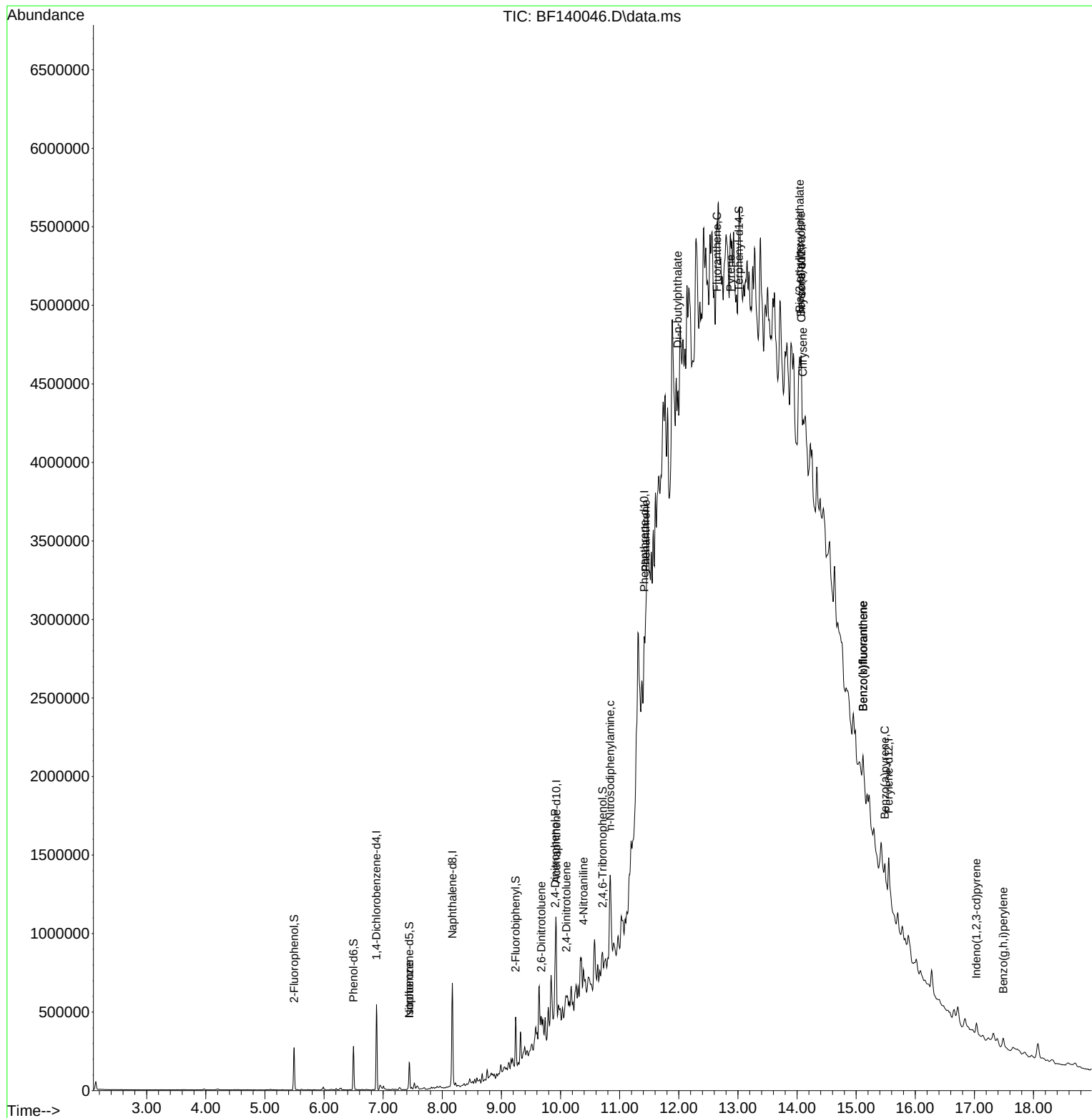
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	107268	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	382518	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	171228	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	231635	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	170231	20.000	ng	0.02
86) Perylene-d12	15.551	264	152626	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94023	13.722	ng	0.00
7) Phenol-d6	6.498	99	117975	13.294	ng	-0.01
23) Nitrobenzene-d5	7.440	82	74412	10.782	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	21781	13.599	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	134152	12.948	ng	-0.01
79) Terphenyl-d14	13.016	244	92267	8.832	ng	0.02
Target Compounds						
						Qvalue
25) Isophorone	7.440	82	72642	5.545	ng	# 67
51) 2,6-Dinitrotoluene	9.675	165	10682	4.626	ng	# 30
54) 2,4-Dinitrophenol	9.910	184	203	6.722	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	5824	2.051	ng	# 46
62) 4-Nitroaniline	10.386	138	5116	2.275	ng	88
66) n-Nitrosodiphenylamine	10.839	169	14331	2.067	ng	97
71) Phenanthrene	11.439	178	113743	10.396	ng	# 90
74) Di-n-butylphthalate	11.980	149	97636	8.512	ng	# 82
75) Fluoranthene	12.645	202	265856	24.036	ng	88
78) Pyrene	12.874	202	235572	15.809	ng	# 93
81) Benzo(a)anthracene	14.063	228	118362	10.681	ng	95
83) Chrysene	14.098	228	110015	10.828	ng	96
84) Bis(2-ethylhexyl)phtha...	14.045	149	159809	31.885	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.033	276	56816	5.786	ng	# 93
88) Benzo(b)fluoranthene	15.116	252	191341	20.580	ng	# 72
89) Benzo(k)fluoranthene	15.116	252	191341	23.863	ng	# 72
90) Benzo(a)pyrene	15.486	252	89196	11.659	ng	# 75
92) Benzo(g,h,i)perylene	17.486	276	55807	6.821	ng	97

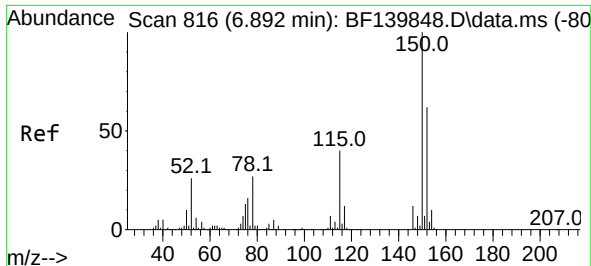
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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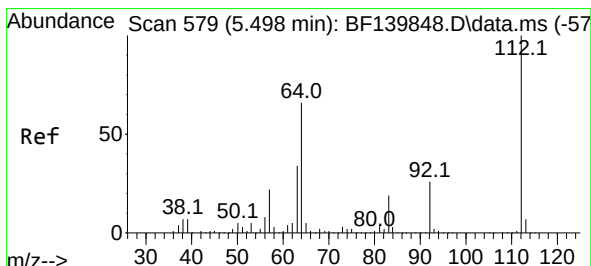
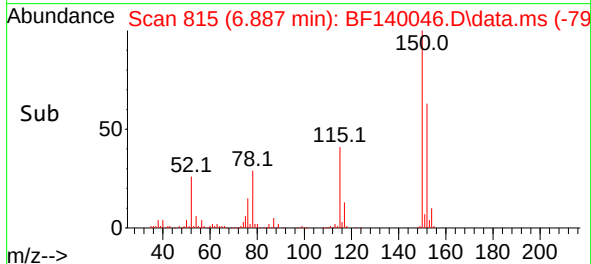
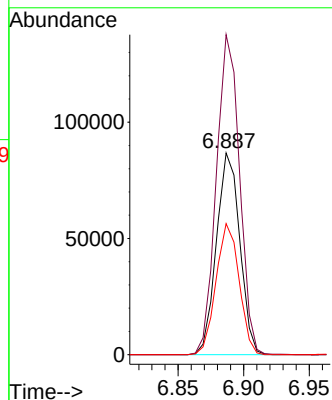
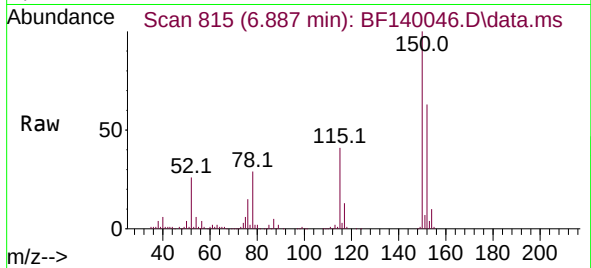




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

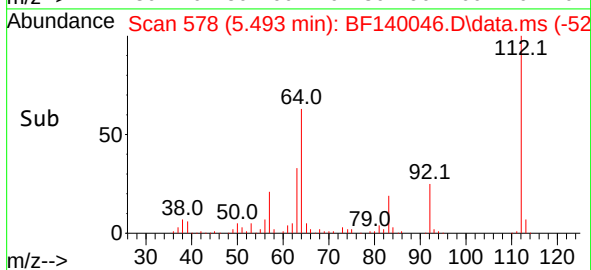
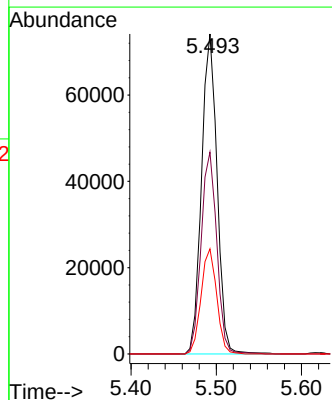
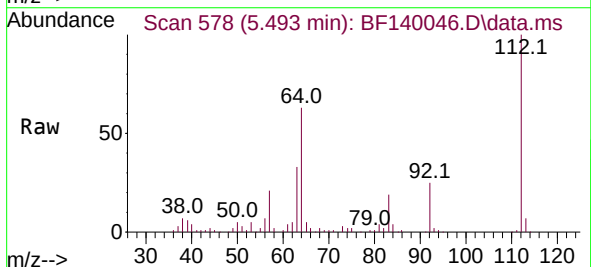
Instrument :
BNA_F
ClientSampleId :
72-11986

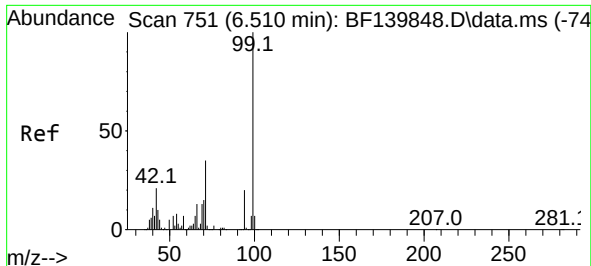
Tgt Ion:152 Resp: 107268
Ion Ratio Lower Upper
152 100
150 158.6 130.2 195.2
115 65.0 51.4 77.2



#5
2-Fluorophenol
Concen: 13.722 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:112 Resp: 94023
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.9 27.0 40.4

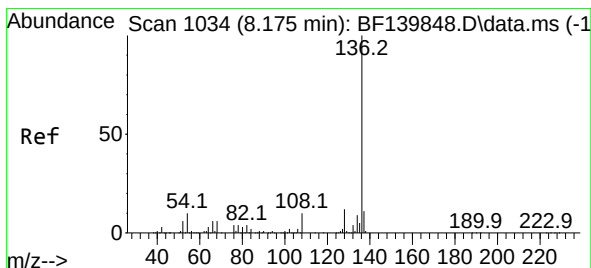
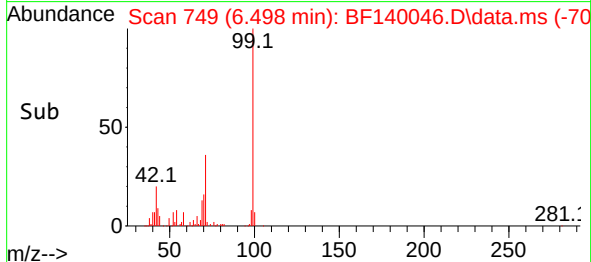
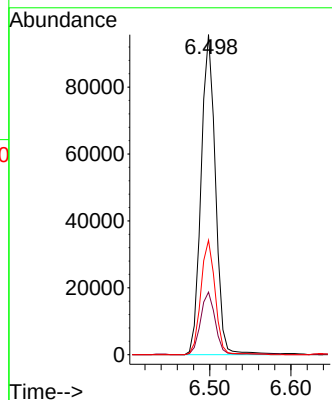
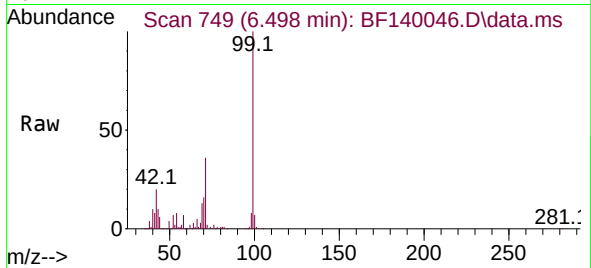




#7
Phenol-d6
Concen: 13.294 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

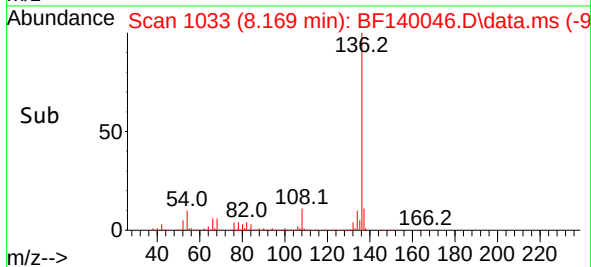
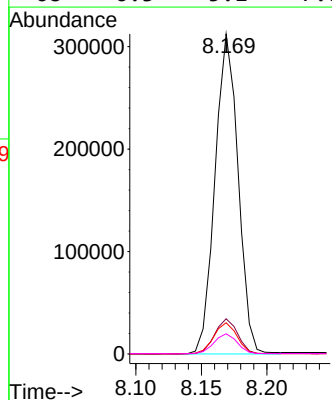
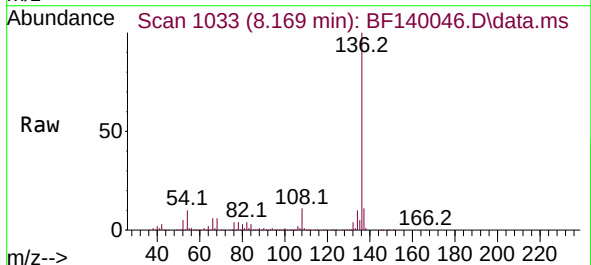
Instrument :
BNA_F
ClientSampleId :
72-11986

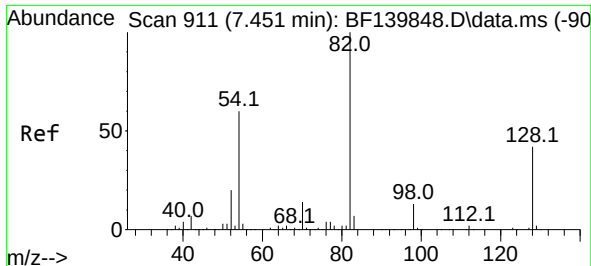
Tgt Ion: 99 Resp: 117975
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 35.7 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion: 136 Resp: 382518
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.4 12.6
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 10.782 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

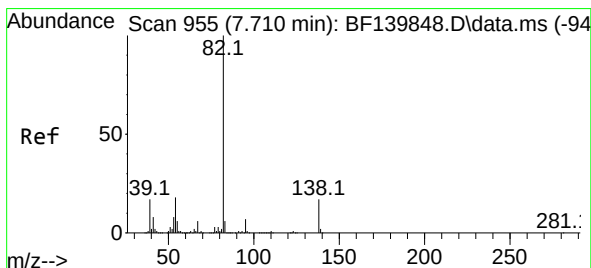
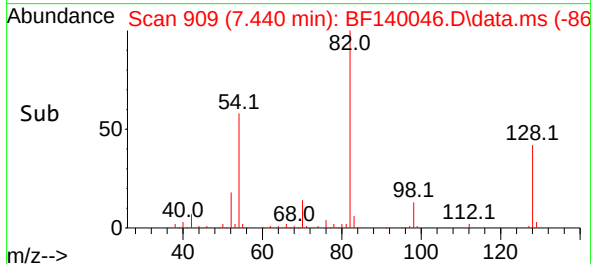
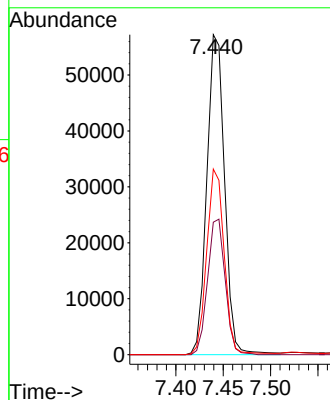
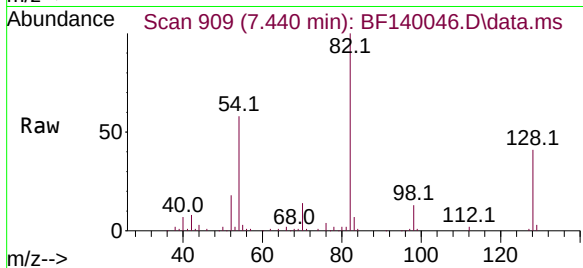
Tgt Ion: 82 Resp: 74412

Ion Ratio Lower Upper

82 100

128 41.4 33.4 50.0

54 58.0 47.8 71.8



#25

Isophorone

Concen: 5.545 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.270 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

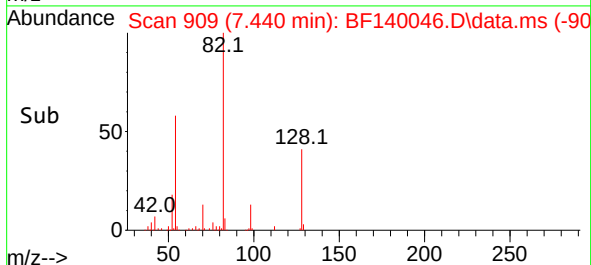
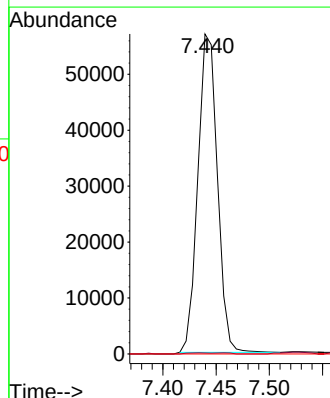
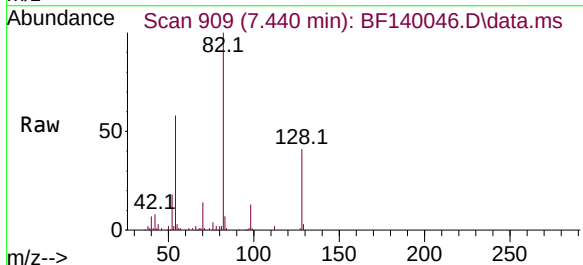
Tgt Ion: 82 Resp: 72642

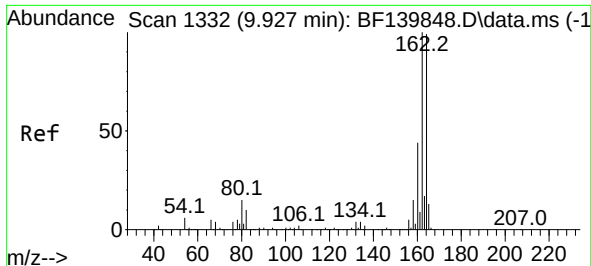
Ion Ratio Lower Upper

82 100

95 0.3 5.5 8.3#

138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

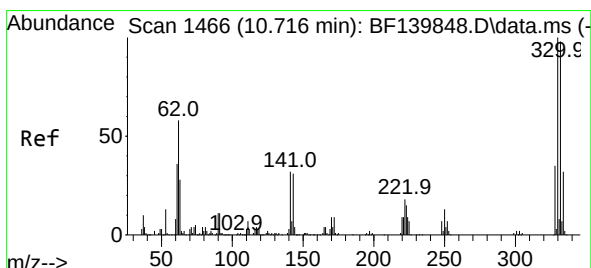
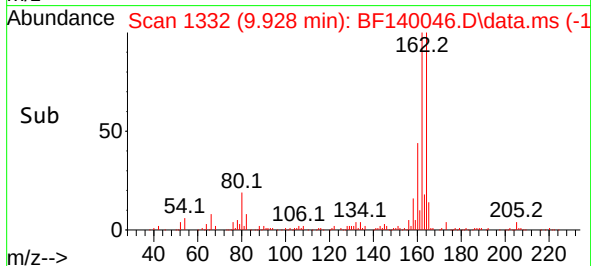
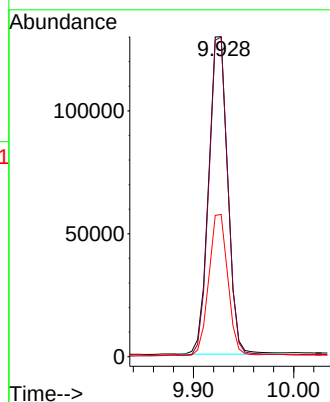
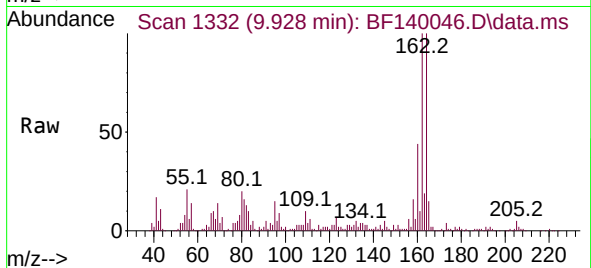
Tgt Ion:164 Resp: 171228

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.4

160 44.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 13.599 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

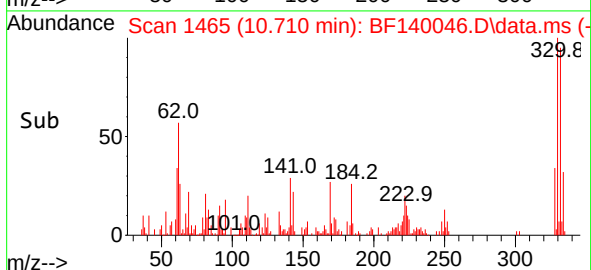
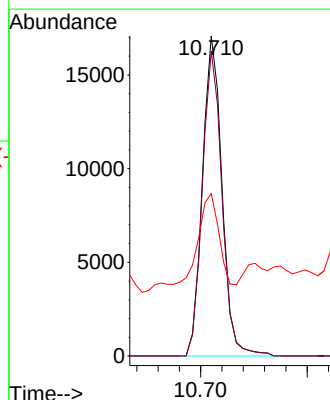
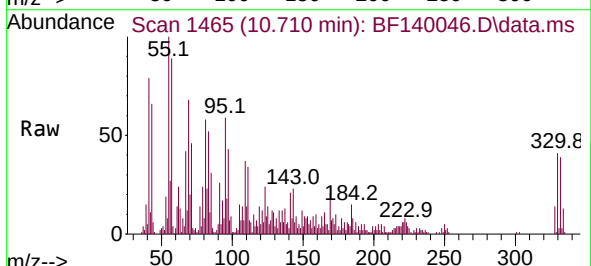
Tgt Ion:330 Resp: 21781

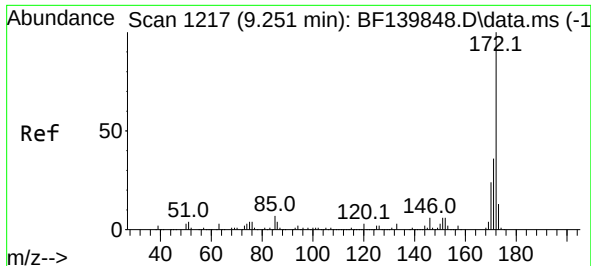
Ion Ratio Lower Upper

330 100

332 95.6 78.1 117.1

141 28.9 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 12.948 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

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72-11986

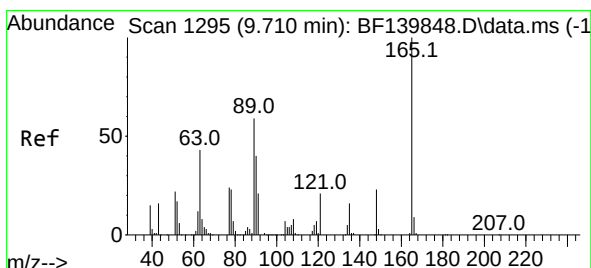
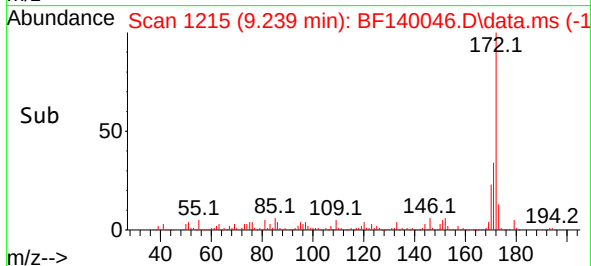
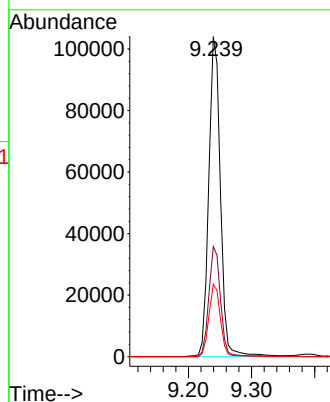
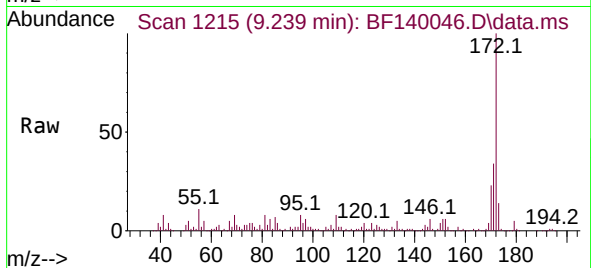
Tgt Ion:172 Resp: 134152

Ion Ratio Lower Upper

172 100

171 34.4 28.6 43.0

170 22.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 4.626 ng

RT: 9.675 min Scan# 1289

Delta R.T. -0.035 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

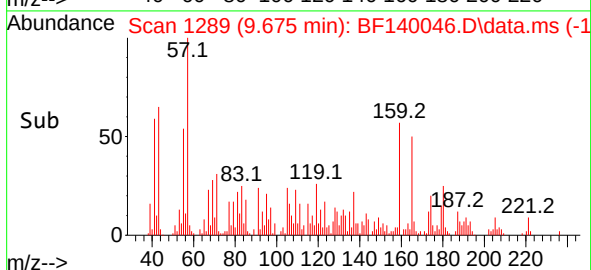
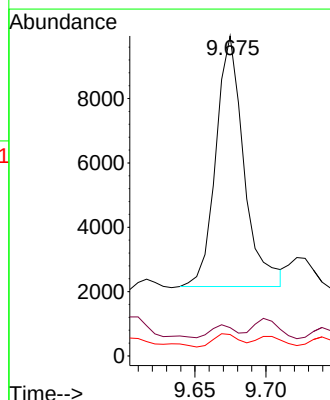
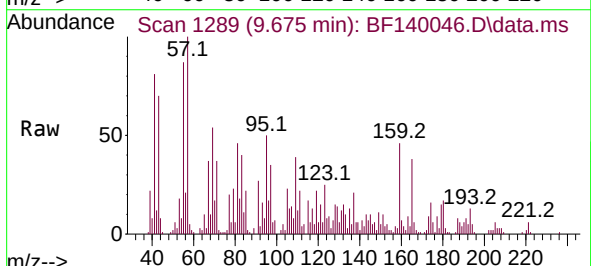
Tgt Ion:165 Resp: 10682

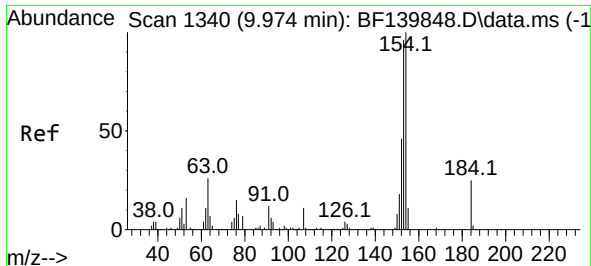
Ion Ratio Lower Upper

165 100

63 8.8 50.6 75.8#

89 6.7 47.5 71.3#

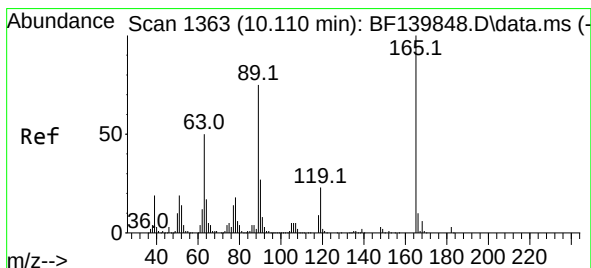
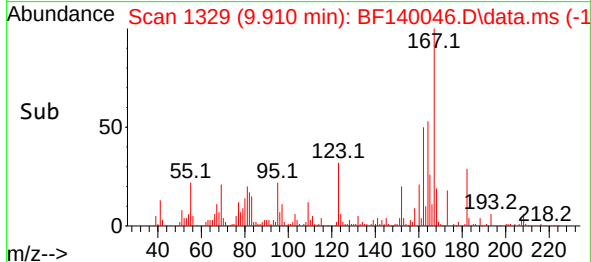
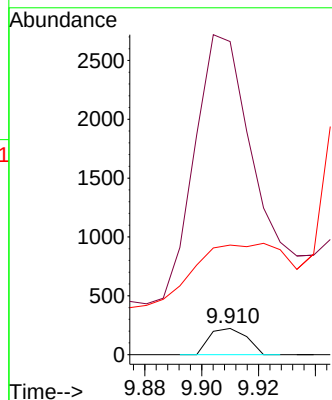
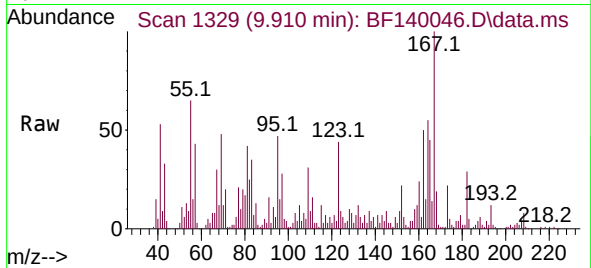




#54
2,4-Dinitrophenol
Concen: 6.722 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.064 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

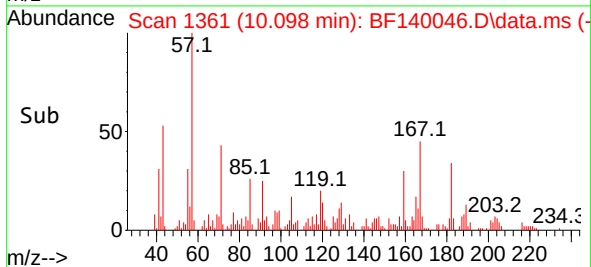
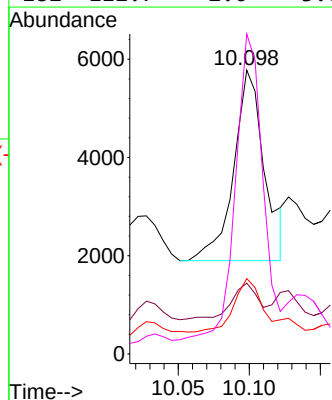
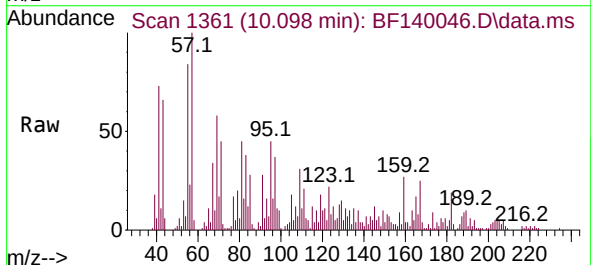
Instrument :
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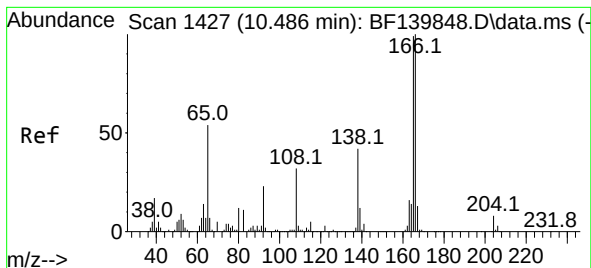
Tgt Ion:184 Resp: 203
Ion Ratio Lower Upper
184 100
63 1193.3 84.7 127.1#
154 417.5 338.2 507.2



#57
2,4-Dinitrotoluene
Concen: 2.051 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:165 Resp: 5824
Ion Ratio Lower Upper
165 100
63 25.0 40.1 60.1#
89 26.5 60.4 90.6#
182 112.7 2.0 3.0#





#62

4-Nitroaniline

Concen: 2.275 ng

RT: 10.386 min Scan# 1427

Delta R.T. -0.100 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

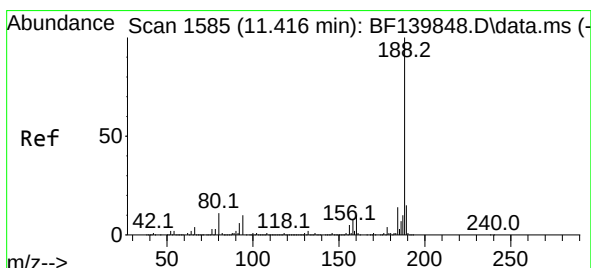
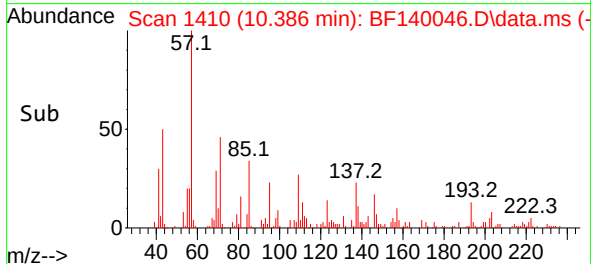
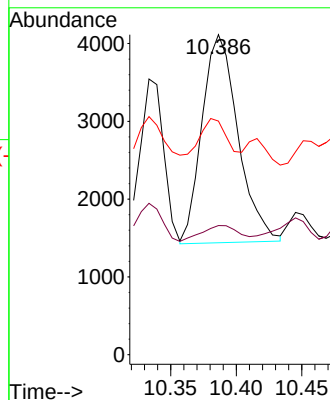
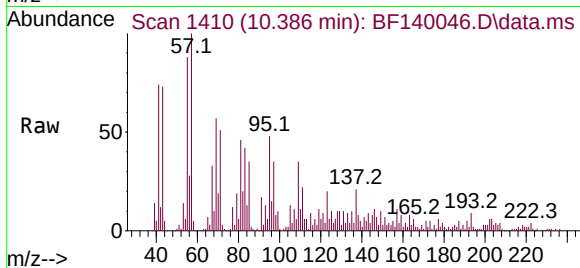
Tgt Ion:138 Resp: 5116

Ion Ratio Lower Upper

138 100

92 40.4 35.7 75.7

108 73.0 57.5 97.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

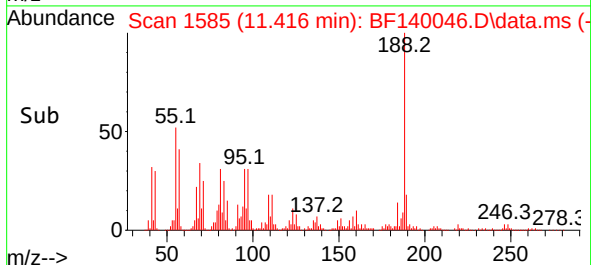
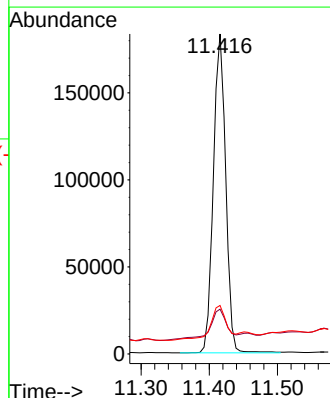
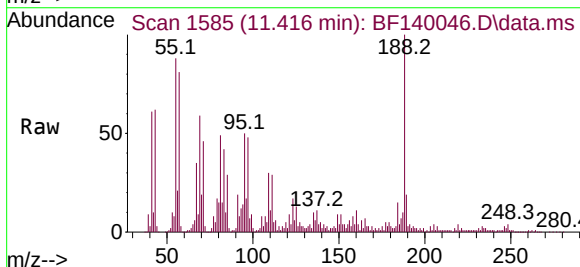
Tgt Ion:188 Resp: 231635

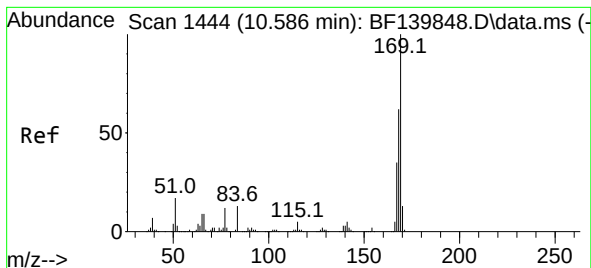
Ion Ratio Lower Upper

188 100

94 14.0 7.9 11.9#

80 15.2 9.0 13.4#

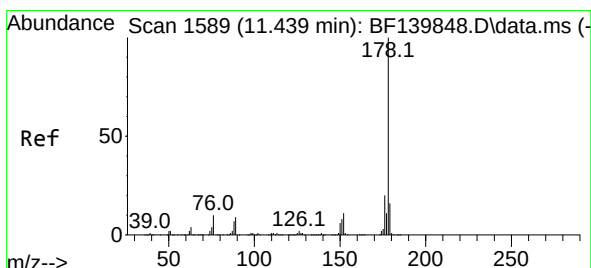
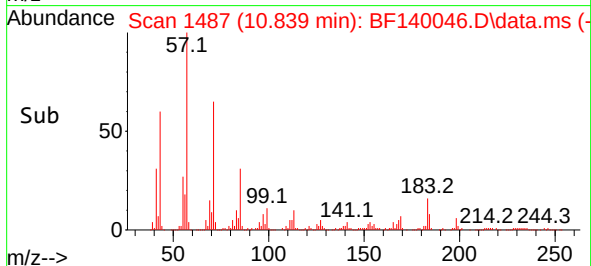
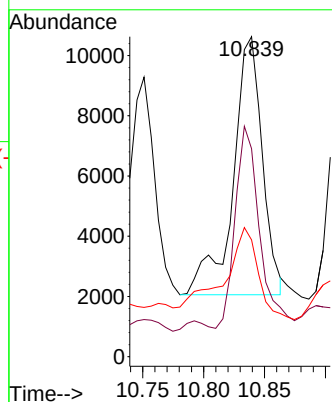
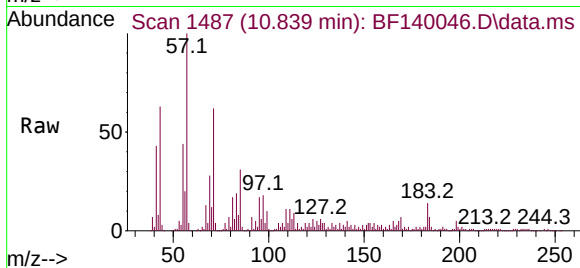




#66
n-Nitrosodiphenylamine
Concen: 2.067 ng
RT: 10.839 min Scan# 1444
Delta R.T. 0.253 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

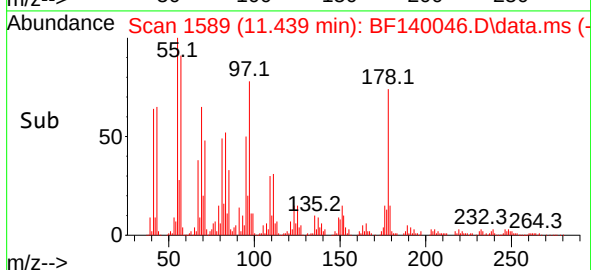
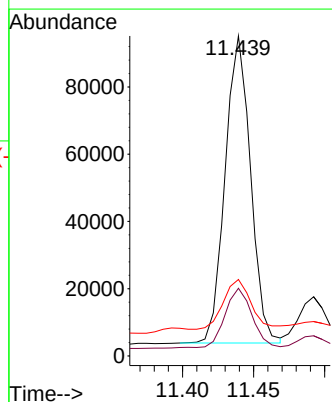
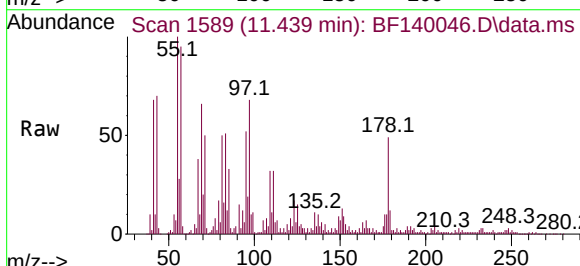
Instrument :
BNA_F
ClientSampleId :
72-11986

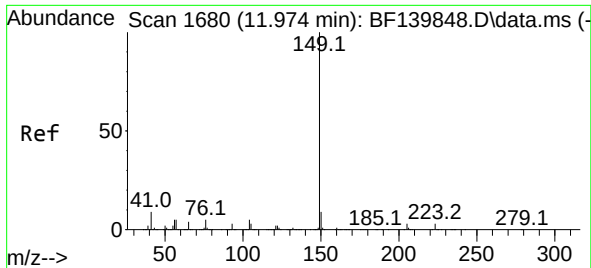
Tgt Ion:169 Resp: 14331
Ion Ratio Lower Upper
169 100
168 65.0 49.8 74.6
167 36.5 28.0 42.0



#71
Phenanthrene
Concen: 10.396 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:178 Resp: 113743
Ion Ratio Lower Upper
178 100
176 21.2 15.8 23.6
179 23.9 12.6 18.8#

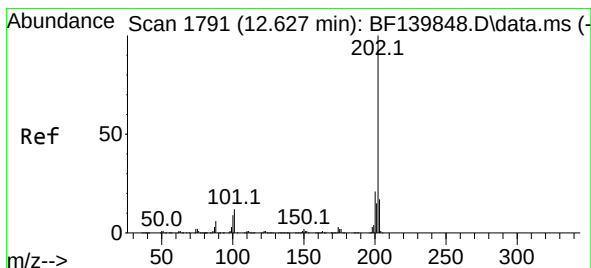
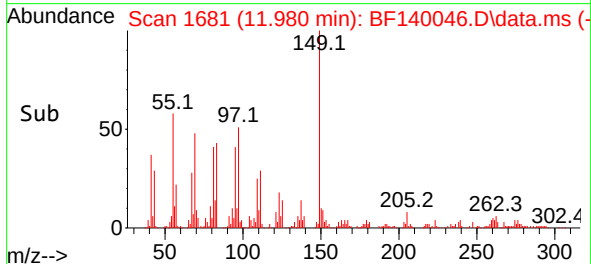
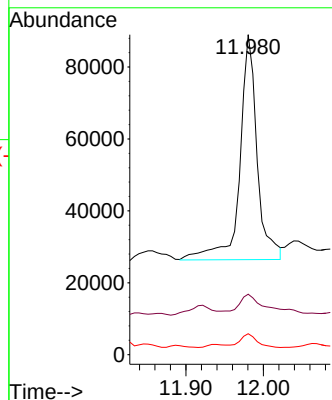
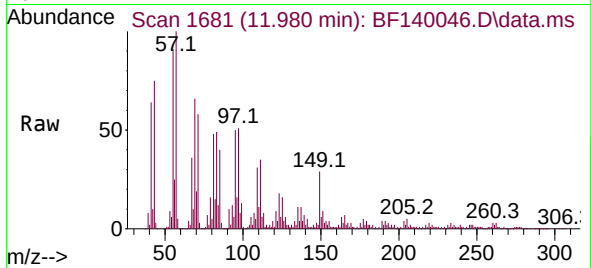




#74
Di-n-butylphthalate
Concen: 8.512 ng
RT: 11.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

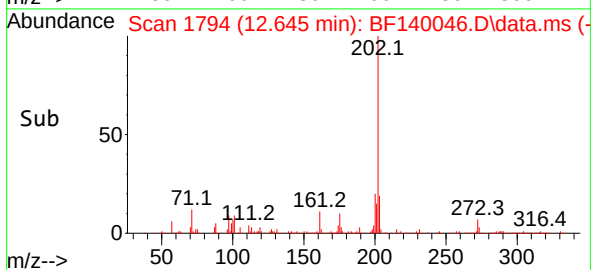
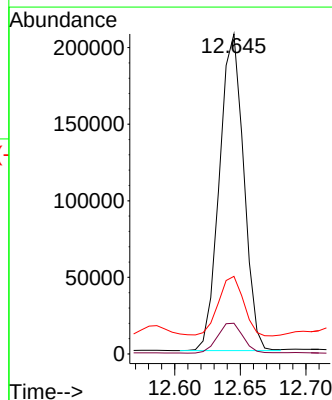
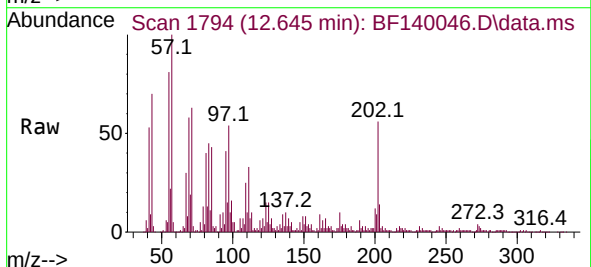
Instrument :
BNA_F
ClientSampleId :
72-11986

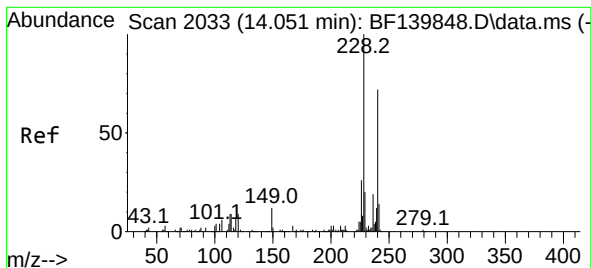
Tgt Ion:149 Resp: 97636
Ion Ratio Lower Upper
149 100
150 18.9 7.5 11.3#
104 6.6 4.1 6.1#



#75
Fluoranthene
Concen: 24.036 ng
RT: 12.645 min Scan# 1794
Delta R.T. 0.018 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:202 Resp: 265856
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.9
203 24.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.024 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

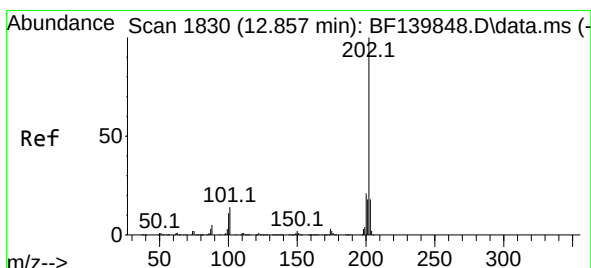
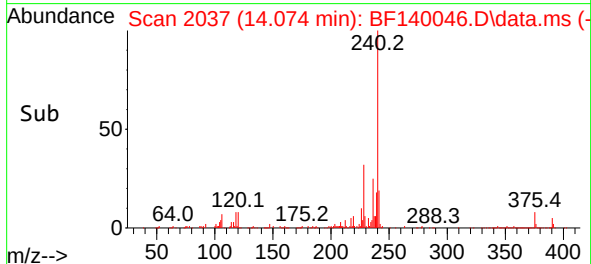
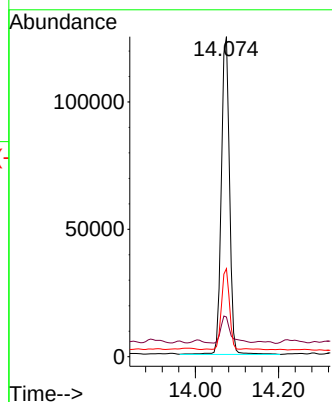
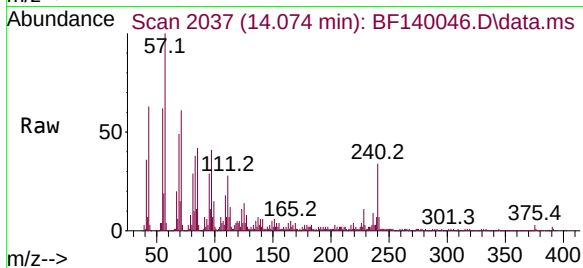
Tgt Ion:240 Resp: 170231

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

236 27.5 20.9 31.3



#78

Pyrene

Concen: 15.809 ng

RT: 12.874 min Scan# 1833

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

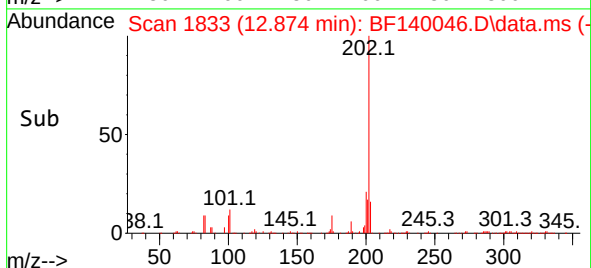
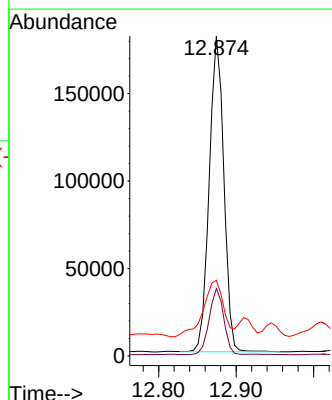
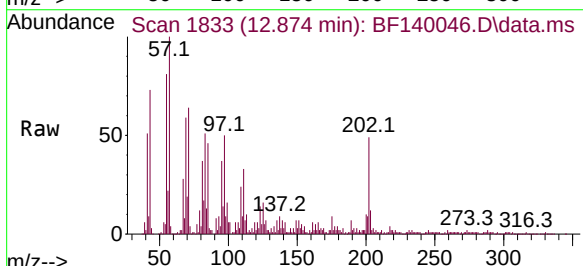
Tgt Ion:202 Resp: 235572

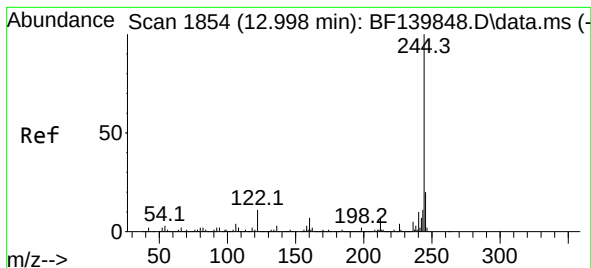
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 23.7 14.2 21.4#





#79

Terphenyl-d14

Concen: 8.832 ng

RT: 13.016 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

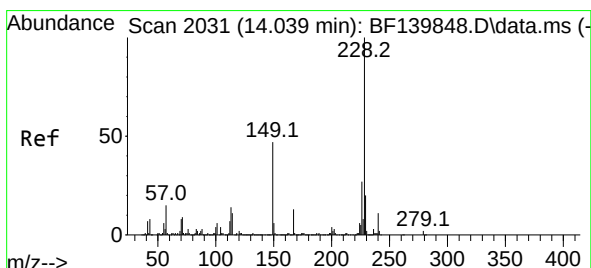
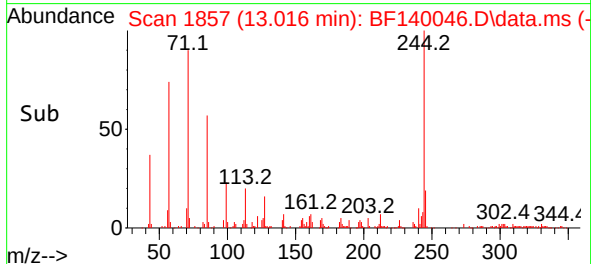
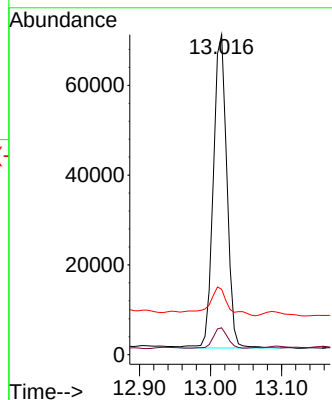
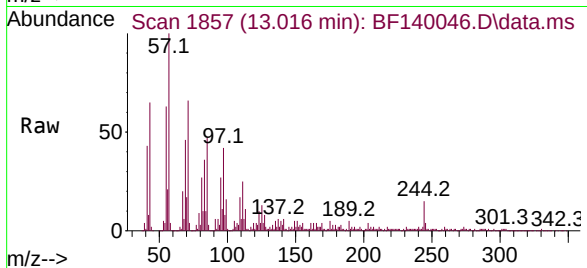
Tgt Ion:244 Resp: 92267

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

122 20.4 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 10.681 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.024 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

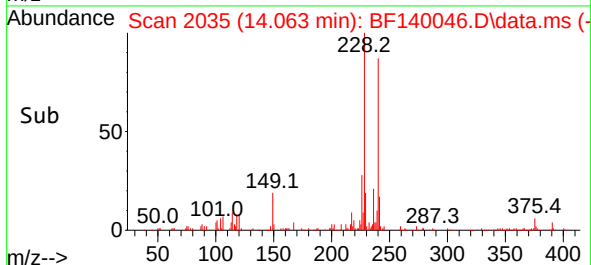
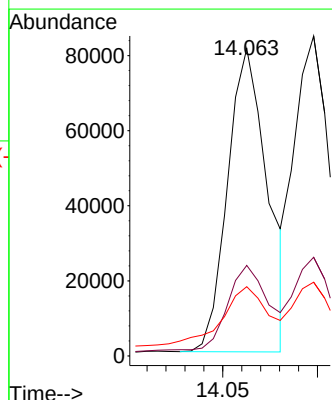
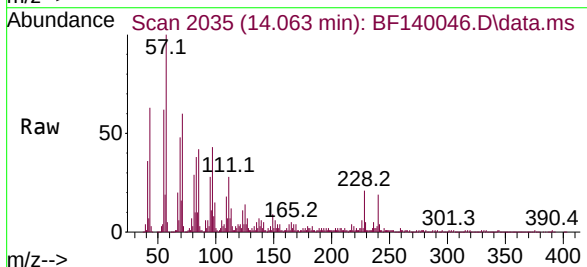
Tgt Ion:228 Resp: 118362

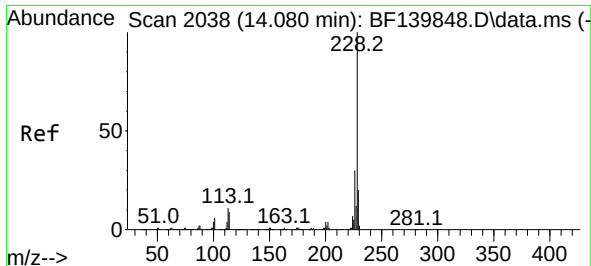
Ion Ratio Lower Upper

228 100

226 29.4 21.6 32.4

229 22.5 16.1 24.1





#83

Chrysene

Concen: 10.828 ng

RT: 14.098 min Scan# 2041

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

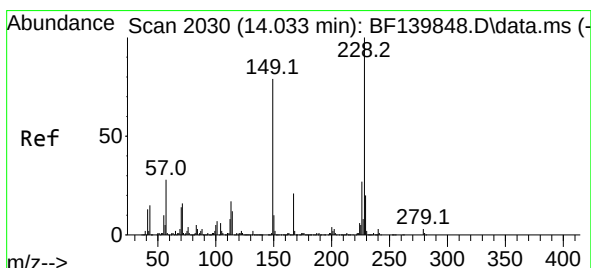
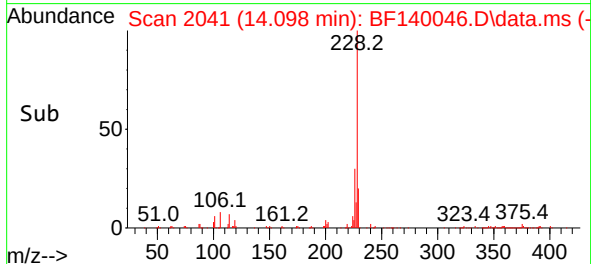
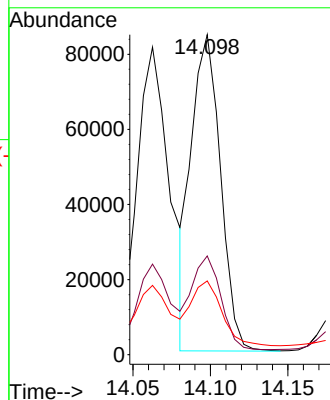
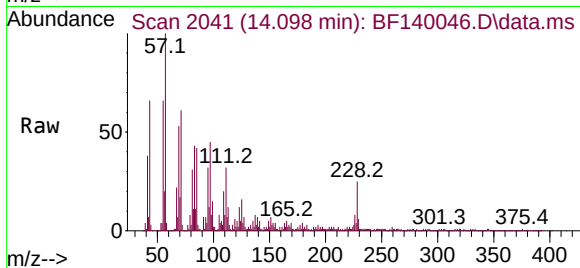
Tgt Ion:228 Resp: 110015

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

229 23.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.885 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

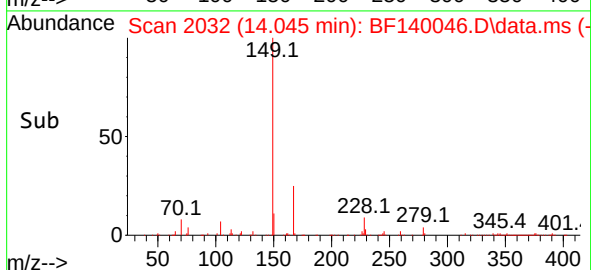
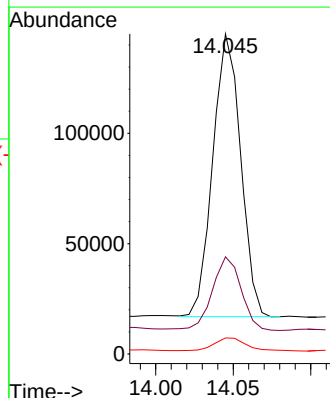
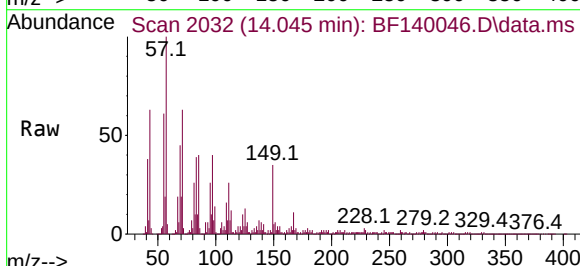
Tgt Ion:149 Resp: 159809

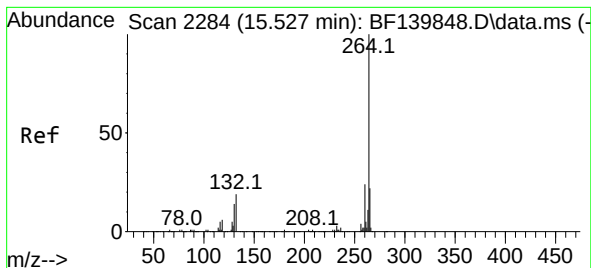
Ion Ratio Lower Upper

149 100

167 30.4 21.4 32.0

279 5.0 3.0 4.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

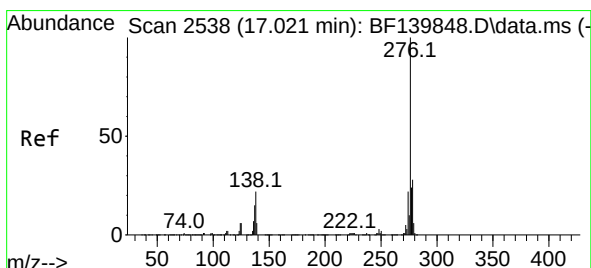
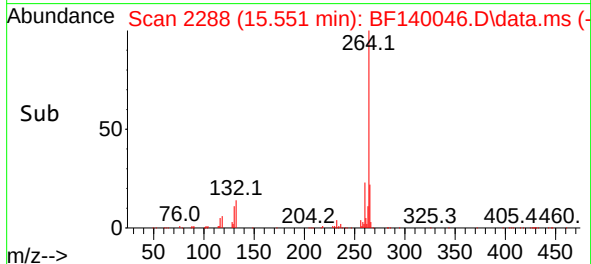
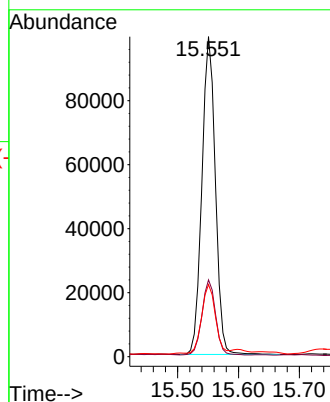
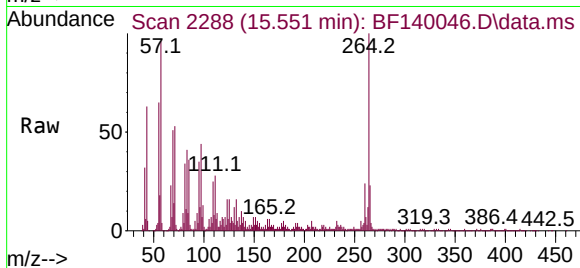
Tgt Ion:264 Resp: 152626

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.6 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.786 ng

RT: 17.033 min Scan# 2540

Delta R.T. 0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

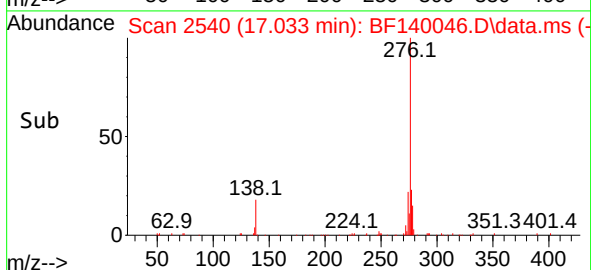
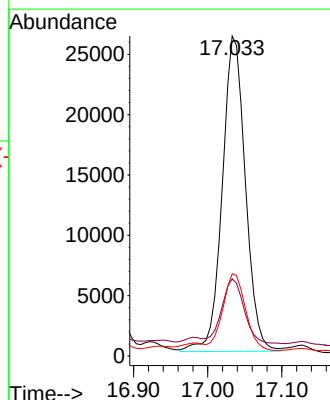
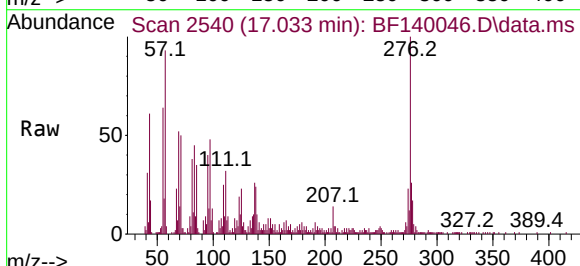
Tgt Ion:276 Resp: 56816

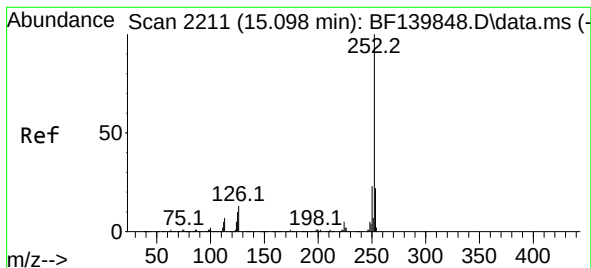
Ion Ratio Lower Upper

276 100

138 20.0 20.4 30.6#

277 23.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 20.580 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

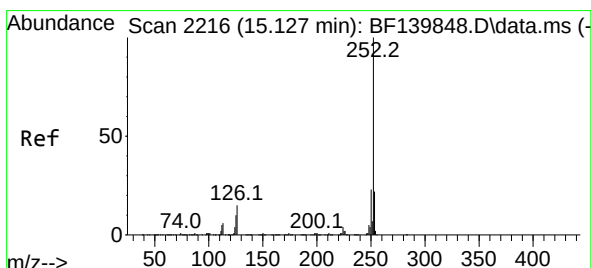
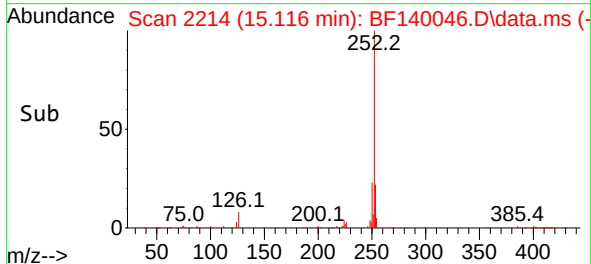
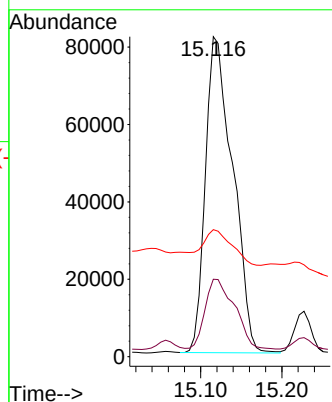
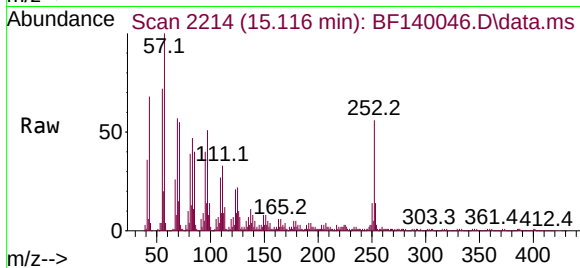
Tgt Ion:252 Resp: 191341

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 39.7 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 23.863 ng

RT: 15.116 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

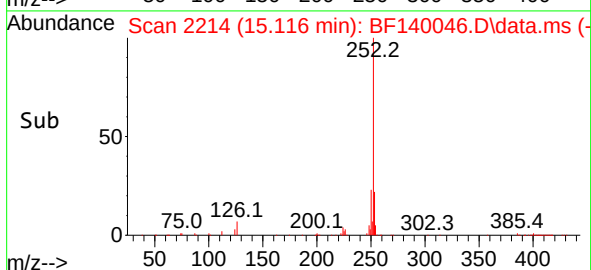
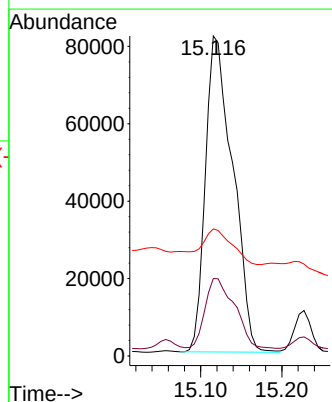
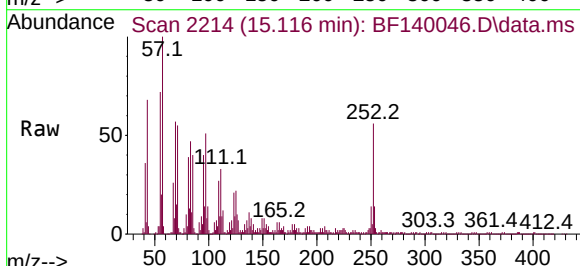
Tgt Ion:252 Resp: 191341

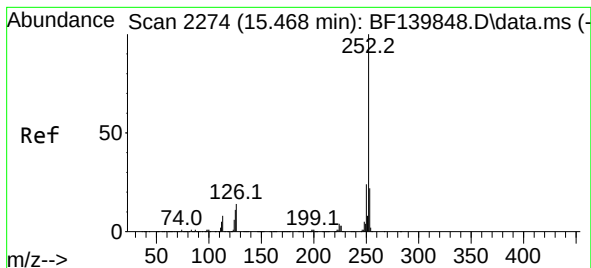
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 39.7 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 11.659 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

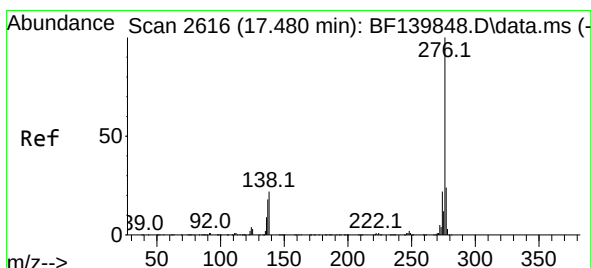
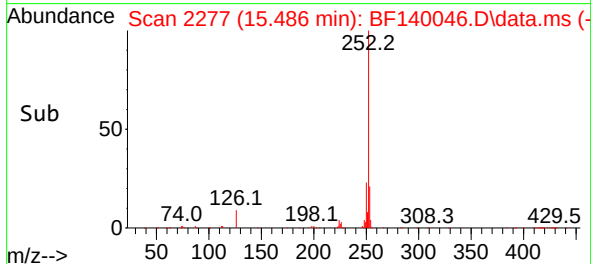
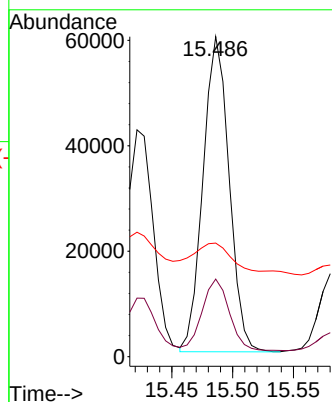
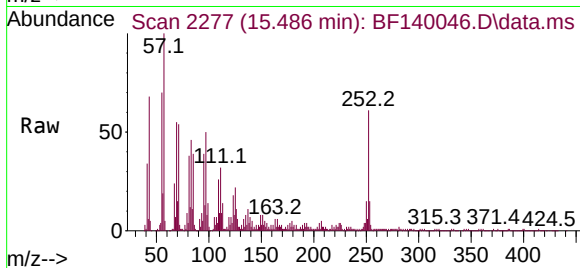
Tgt Ion:252 Resp: 89196

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 35.5 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 6.821 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Tgt Ion:276 Resp: 55807

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 23.0 17.4 26.0

