

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140940.D
 Acq On : 19 Dec 2024 21:19
 Operator : RC/JU
 Sample : P5342-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HT2651

Quant Time: Dec 20 00:11:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

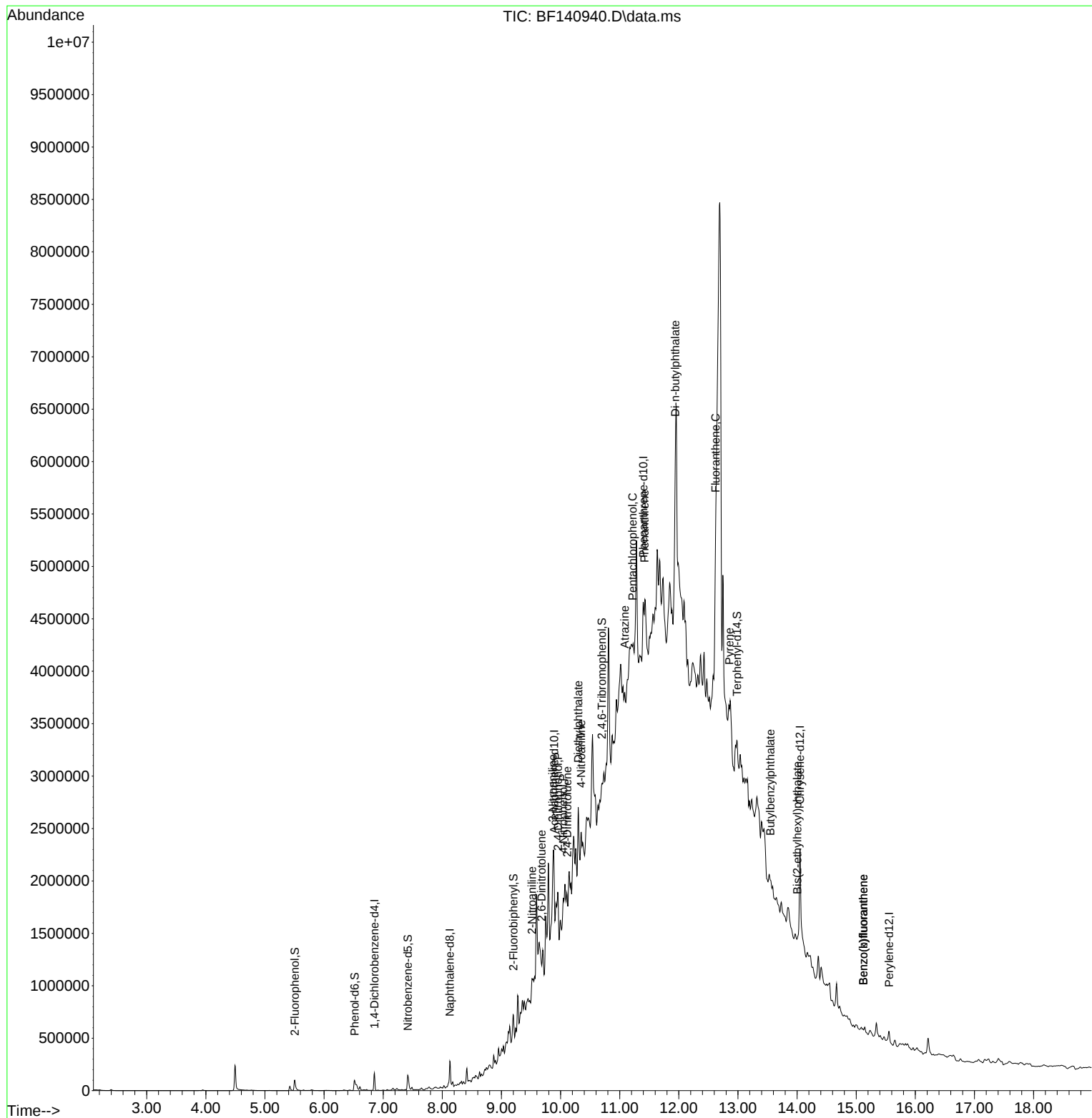
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	37444	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	142951	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	63367	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	106218	20.000	ng	# 0.02
76) Chrysene-d12	14.051	240	82096	20.000	ng	# 0.02
86) Perylene-d12	15.557	264	66926	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	59258	26.052	ng	0.02
7) Phenol-d6	6.516	99	69914	23.206	ng	0.02
23) Nitrobenzene-d5	7.416	82	41929	14.675	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	16237	21.665	ng	0.02
45) 2-Fluorobiphenyl	9.204	172	83935	18.211	ng	0.00
79) Terphenyl-d14	12.986	244	94186	18.091	ng	0.03
Target Compounds						Qvalue
48) 2-Nitroaniline	9.516	65	3976	3.415	ng	# 67
51) 2,6-Dinitrotoluene	9.680	165	4201	4.113	ng	# 35
53) 3-Nitroaniline	9.869	138	4195	4.139	ng	# 34
54) 2,4-Dinitrophenol	9.957	184	355	7.195	ng	# 1
56) 4-Nitrophenol	10.045	139	426	5.180	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	7635	5.682	ng	# 29
60) Diethylphthalate	10.298	149	14150	3.054	ng	# 44
62) 4-Nitroaniline	10.345	138	13383	12.636	ng	95
69) Atrazine	11.086	200	3337	3.659	ng	# 1
70) Pentachlorophenol	11.222	266	1858	3.772	ng	# 4
71) Phenanthrene	11.422	178	13460	2.464	ng	# 1
74) Di-n-butylphthalate	11.939	149	18059	2.920	ng	# 33
75) Fluoranthene	12.621	202	15185	2.414	ng	# 1
78) Pyrene	12.857	202	16526	2.264	ng	# 36
80) Butylbenzylphthalate	13.551	149	6155	2.291	ng	# 60
84) Bis(2-ethylhexyl)phtha...	14.004	149	9064	2.617	ng	# 76
88) Benzo(b)fluoranthene	15.121	252	13298	2.862	ng	# 1
89) Benzo(k)fluoranthene	15.121	252	13298	3.337	ng	# 1

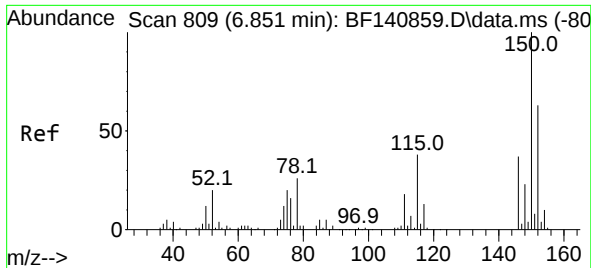
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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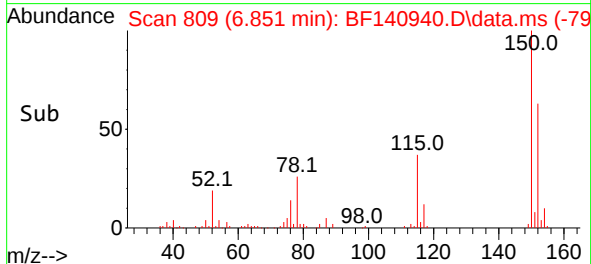
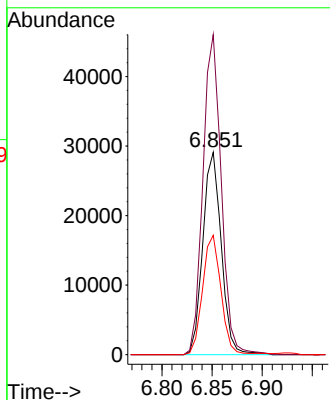
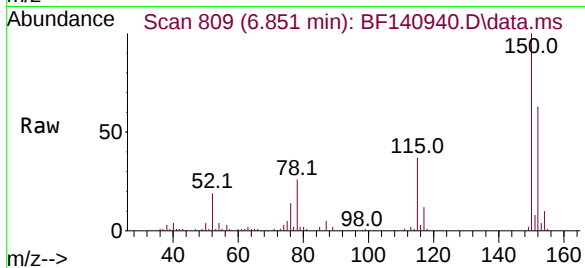




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF140940.D
 Acq: 19 Dec 2024 21:19

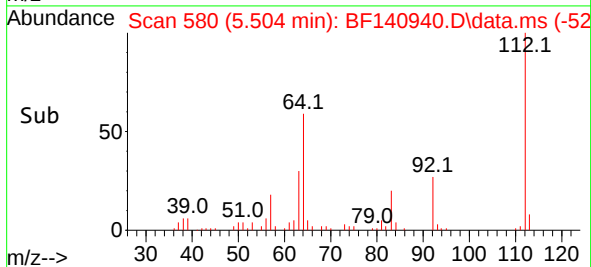
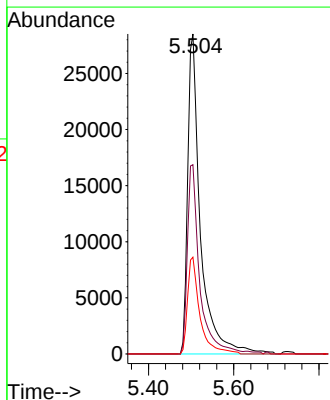
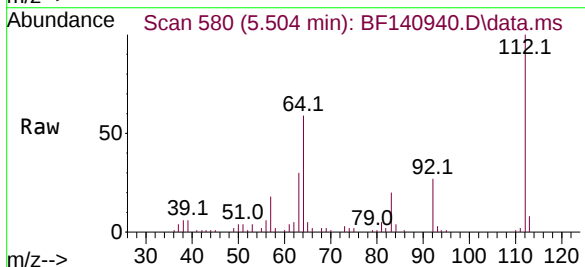
Instrument :
 BNA_F
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 HT2651

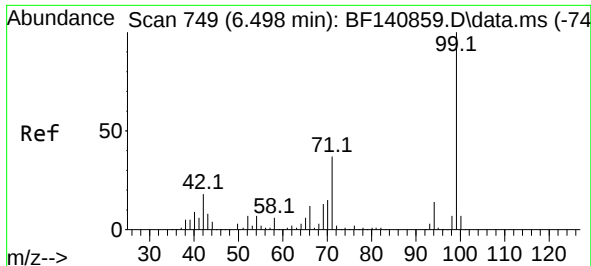
Tgt Ion:152 Resp: 37444
 Ion Ratio Lower Upper
 152 100
 150 158.1 127.9 191.9
 115 59.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 26.052 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.017 min
 Lab File: BF140940.D
 Acq: 19 Dec 2024 21:19

Tgt Ion:112 Resp: 59258
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.1 69.1
 63 30.2 24.9 37.3

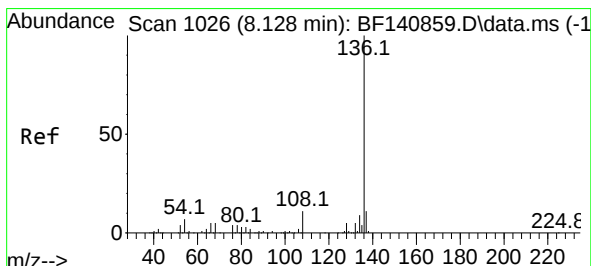
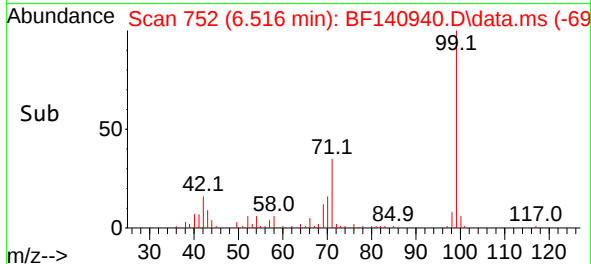
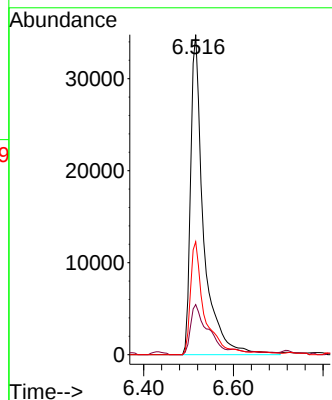
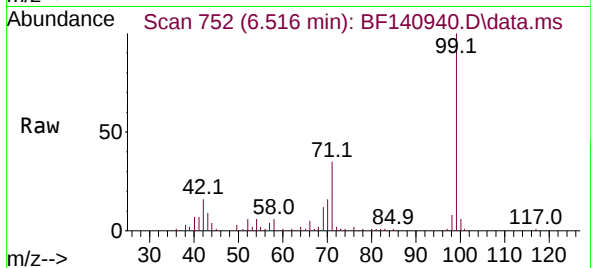




#7
Phenol-d6
Concen: 23.206 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.017 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

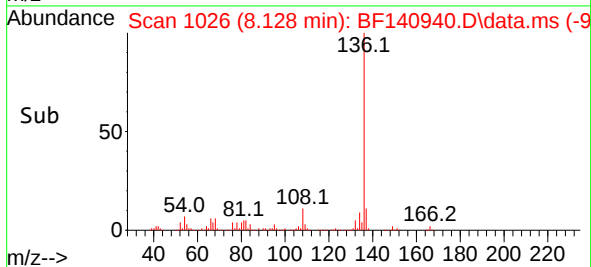
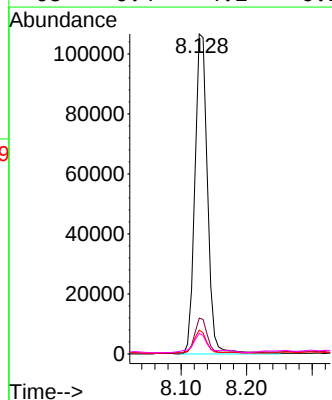
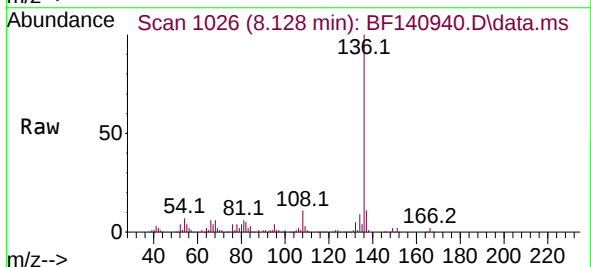
Instrument :
BNA_F
ClientSampleId :
HT2651

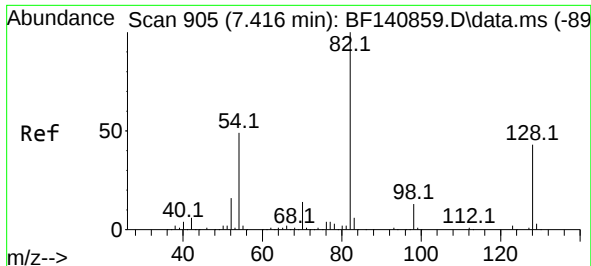
Tgt Ion: 99 Resp: 69914
Ion Ratio Lower Upper
99 100
42 15.7 14.3 21.5
71 35.3 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion: 136 Resp: 142951
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.5 5.6 8.4
68 6.4 4.2 6.2

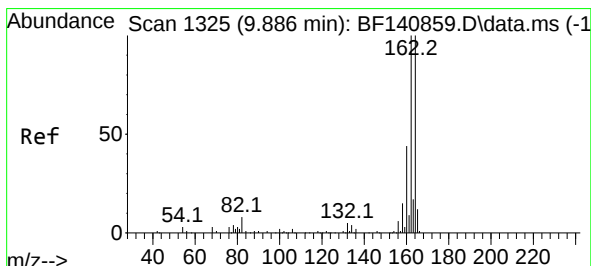
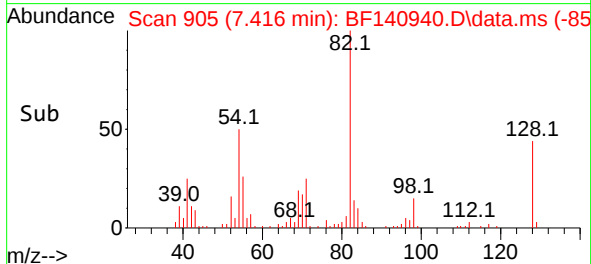
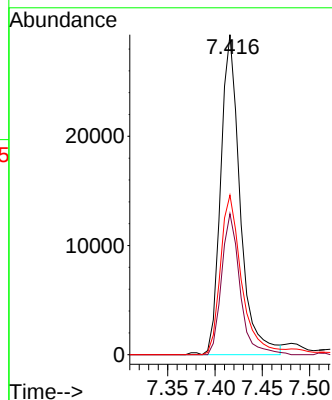
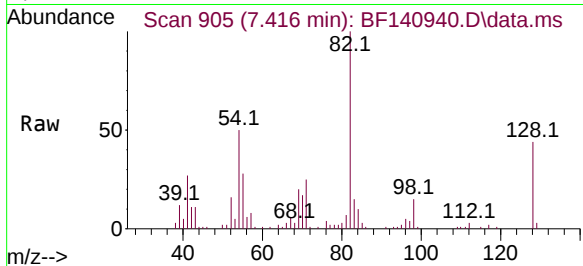




#23
Nitrobenzene-d5
Concen: 14.675 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

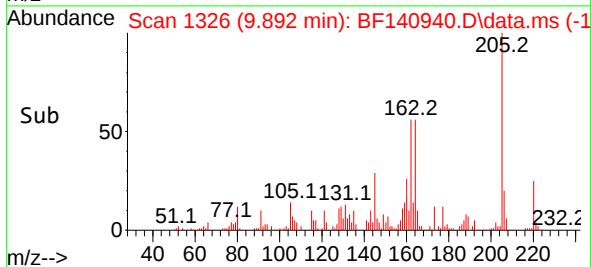
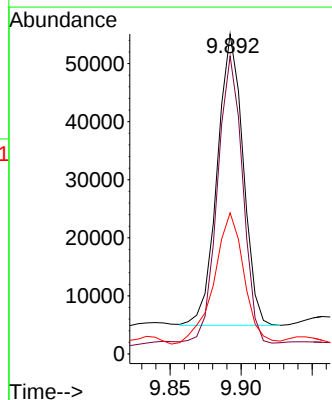
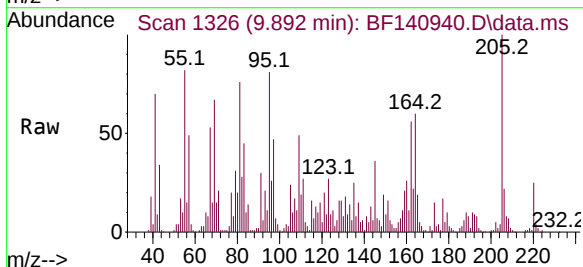
Instrument :
BNA_F
ClientSampleId :
HT2651

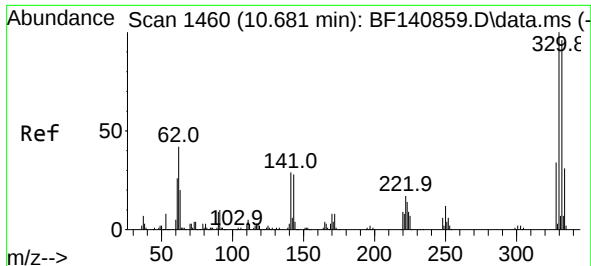
Tgt Ion: 82 Resp: 41929
Ion Ratio Lower Upper
82 100
128 44.0 34.4 51.6
54 49.8 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.006 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion:164 Resp: 63367
Ion Ratio Lower Upper
164 100
162 93.1 79.9 119.9
160 44.1 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 21.665 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.017 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

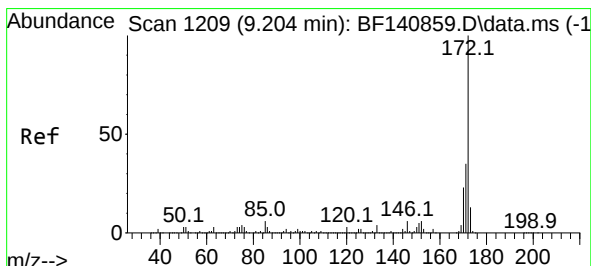
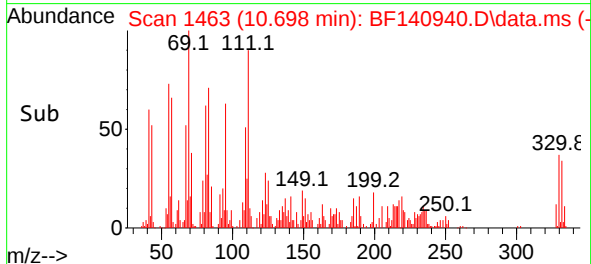
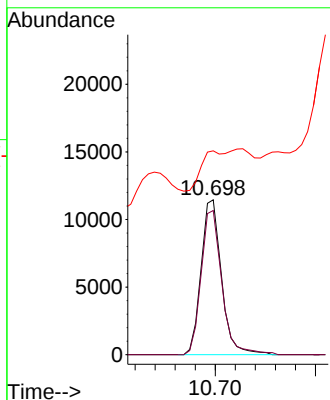
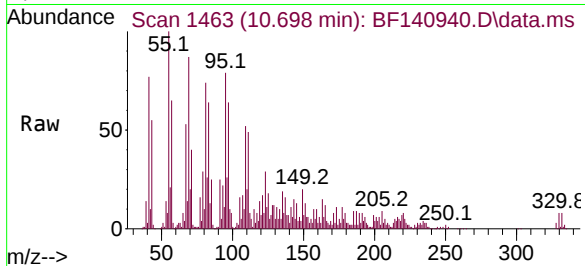
Tgt Ion:330 Resp: 16237

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

141 24.4 24.9 37.3#



#45

2-Fluorobiphenyl

Concen: 18.211 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

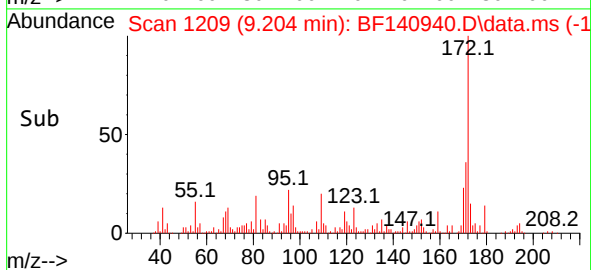
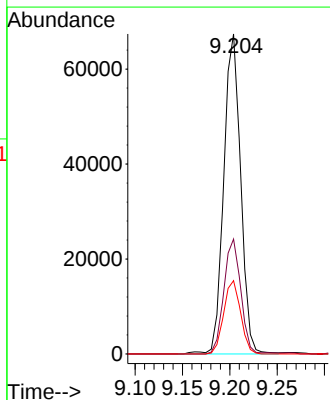
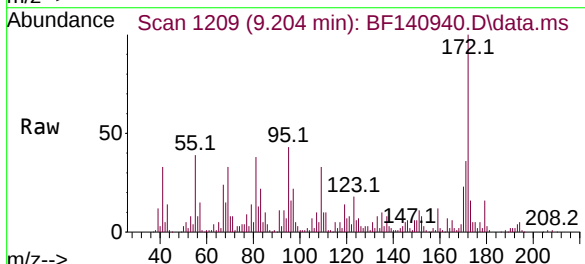
Tgt Ion:172 Resp: 83935

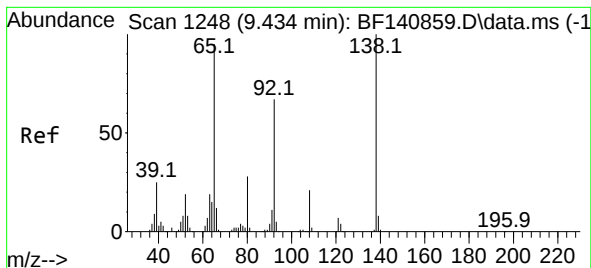
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 22.9 18.6 28.0





#48

2-Nitroaniline

Concen: 3.415 ng

RT: 9.516 min Scan# 11

Delta R.T. 0.082 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

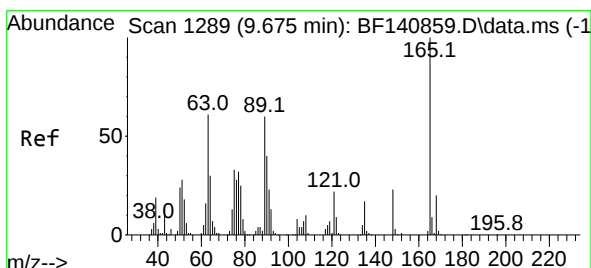
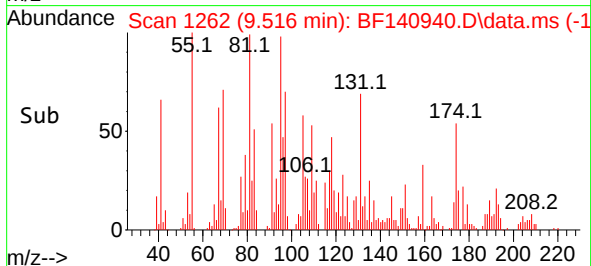
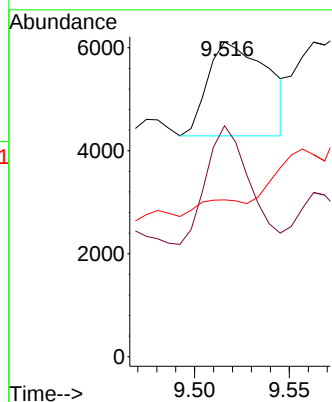
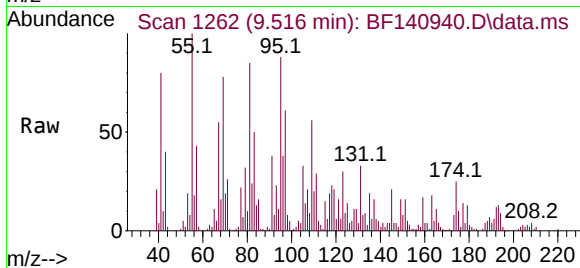
Tgt Ion: 65 Resp: 3976

Ion Ratio Lower Upper

65 100

92 73.4 56.3 84.5

138 49.8 83.8 125.6#



#51

2,6-Dinitrotoluene

Concen: 4.113 ng

RT: 9.680 min Scan# 1290

Delta R.T. 0.006 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

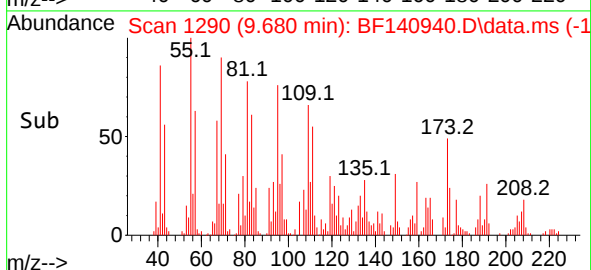
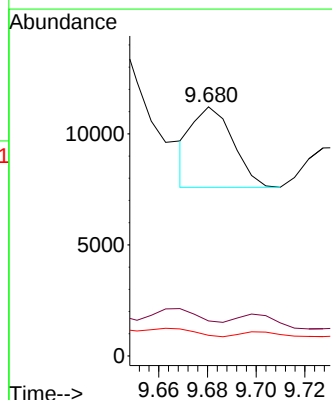
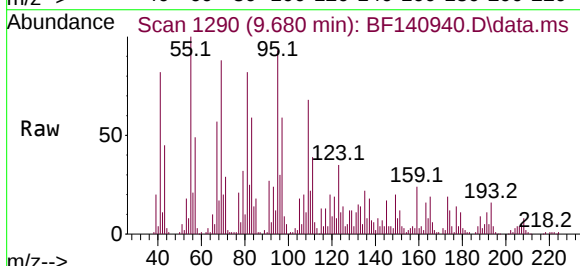
Tgt Ion:165 Resp: 4201

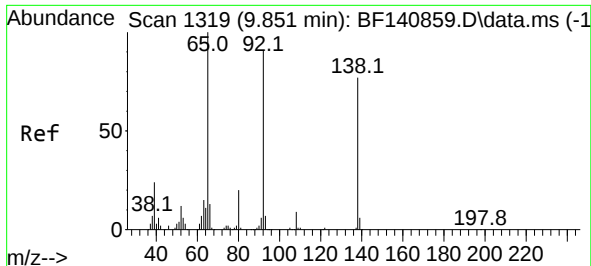
Ion Ratio Lower Upper

165 100

63 14.1 49.7 74.5#

89 8.3 48.2 72.4#

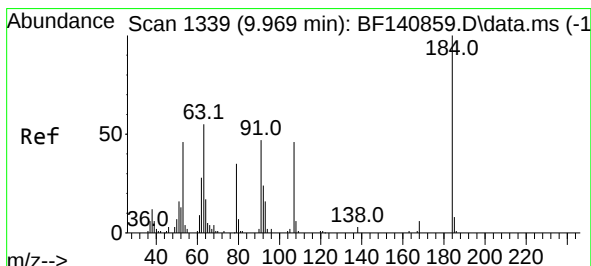
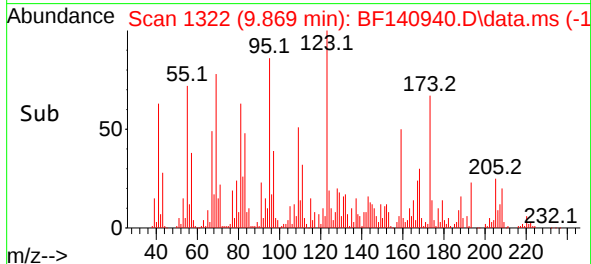
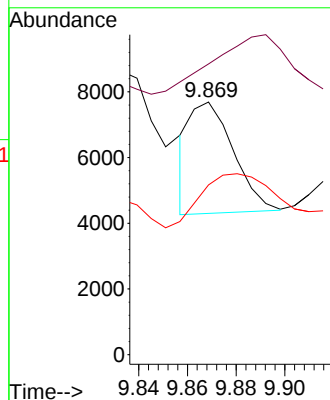
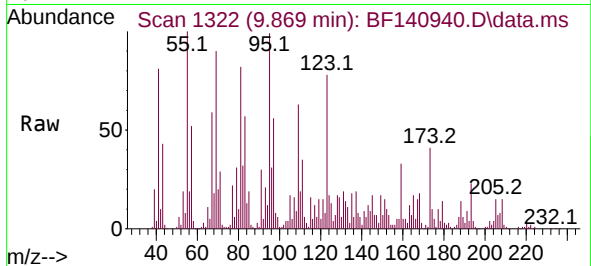




#53
3-Nitroaniline
Concen: 4.139 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

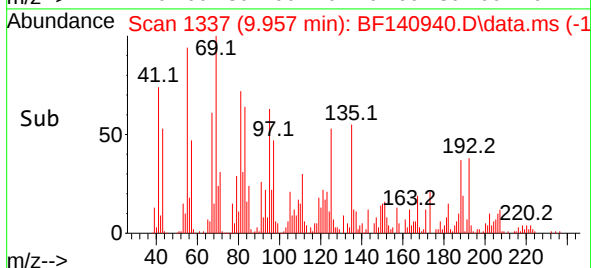
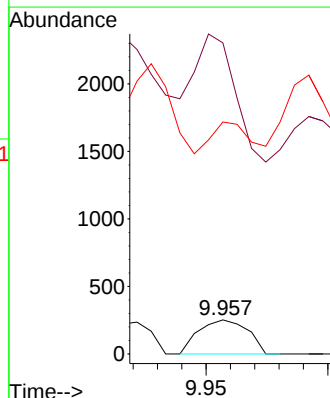
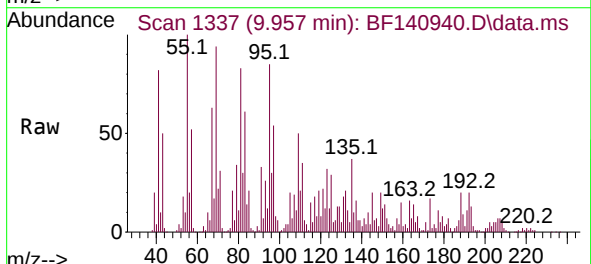
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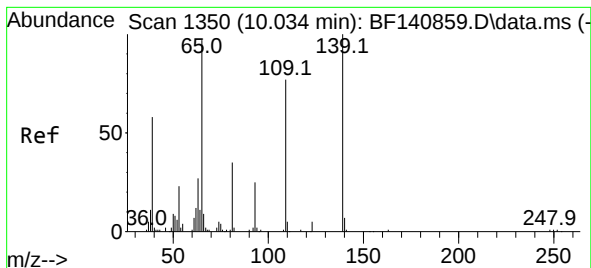
Tgt Ion:138 Resp: 4195
Ion Ratio Lower Upper
138 100
108 115.1 9.0 13.4#
92 67.2 95.5 143.3#



#54
2,4-Dinitrophenol
Concen: 7.195 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion:184 Resp: 355
Ion Ratio Lower Upper
184 100
63 914.3 51.6 77.4#
154 681.7 56.1 84.1#

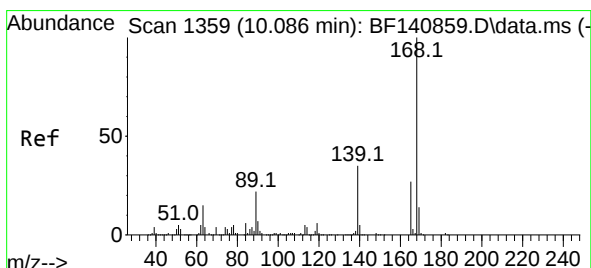
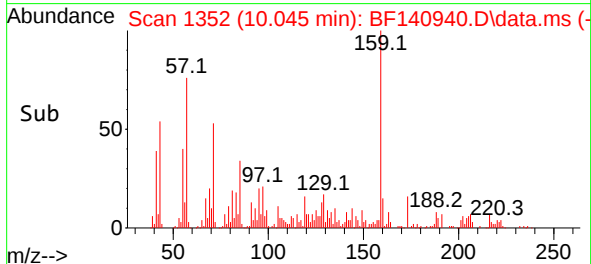
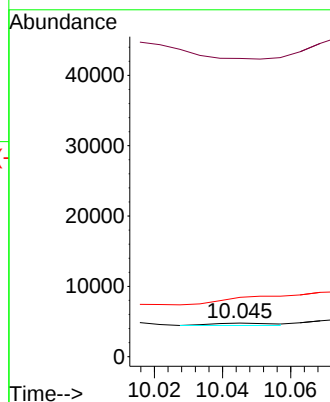
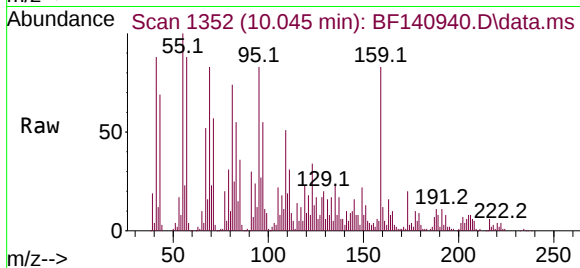




#56
4-Nitrophenol
Concen: 5.180 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

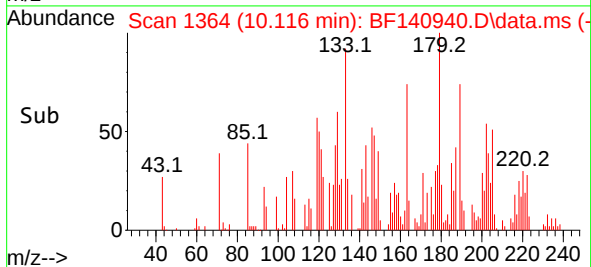
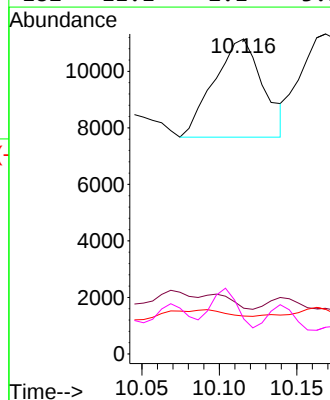
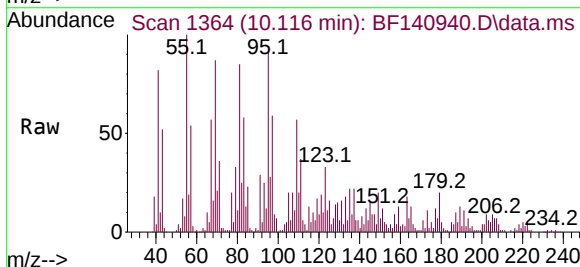
Instrument :
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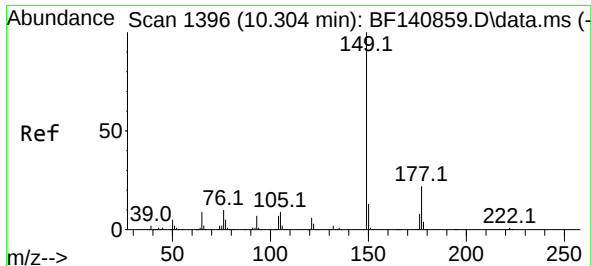
Tgt Ion:139 Resp: 426
Ion Ratio Lower Upper
139 100
109 888.9 56.7 96.7#
65 177.1 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 5.682 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.029 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion:165 Resp: 7635
Ion Ratio Lower Upper
165 100
63 14.5 49.3 73.9#
89 12.0 66.2 99.4#
182 11.1 2.1 3.1#

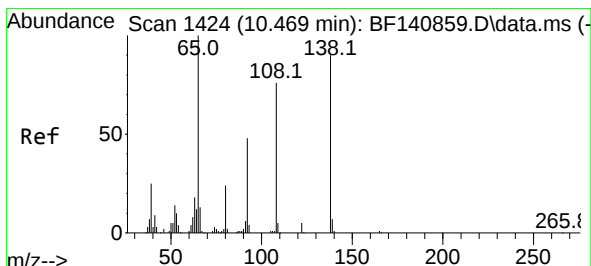
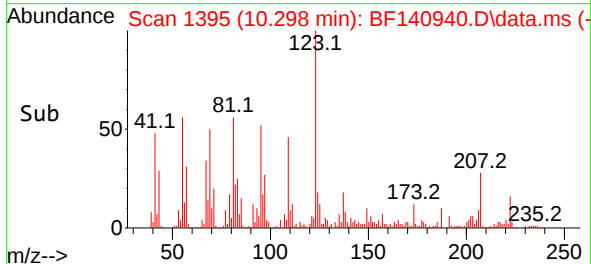
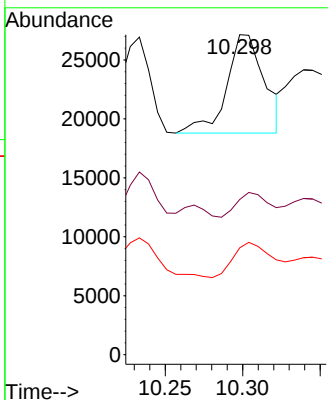
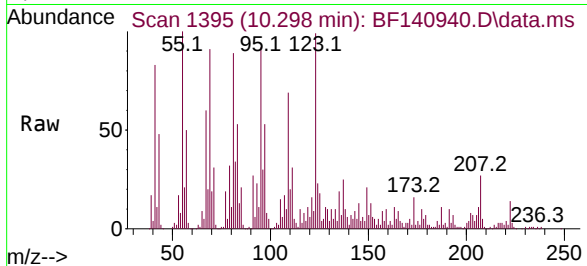




#60
Diethylphthalate
Concen: 3.054 ng
RT: 10.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

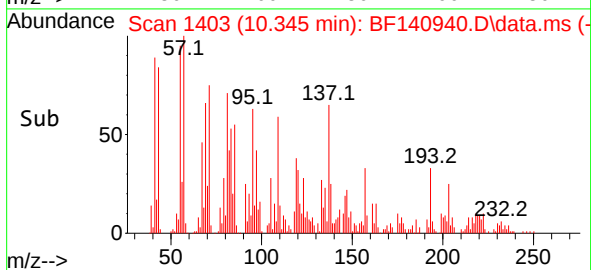
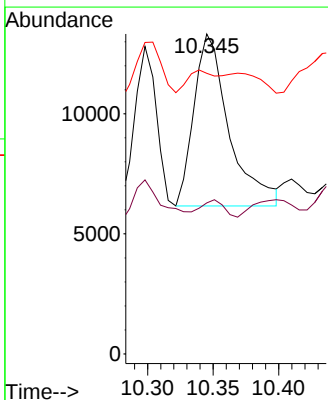
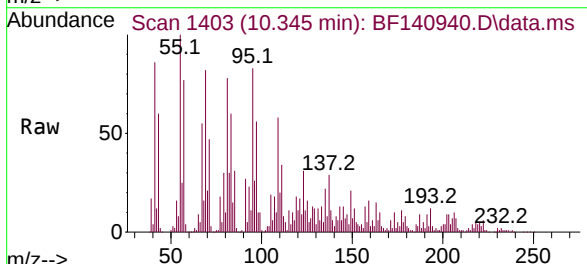
Instrument :
BNA_F
ClientSampleId :
HT2651

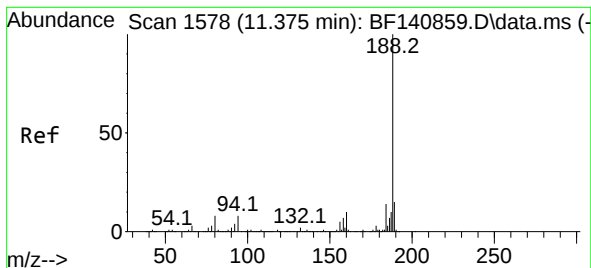
Tgt Ion:149 Resp: 14150
Ion Ratio Lower Upper
149 100
177 48.5 17.2 25.8#
150 33.4 10.1 15.1#



#62
4-Nitroaniline
Concen: 12.636 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.124 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion:138 Resp: 13383
Ion Ratio Lower Upper
138 100
92 47.2 32.6 72.6
108 87.7 64.1 104.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

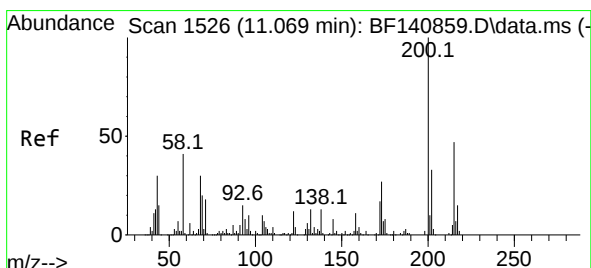
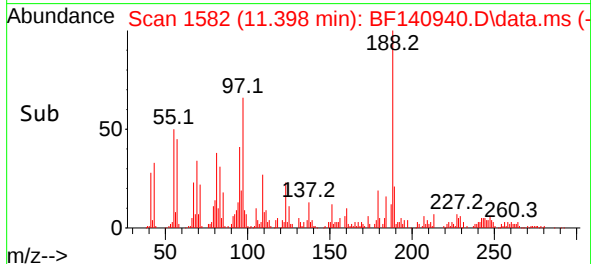
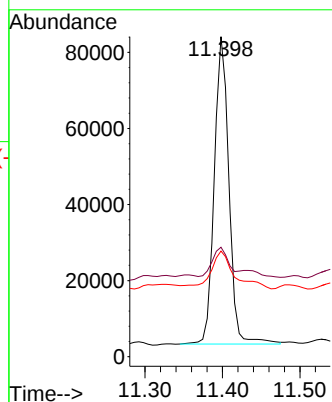
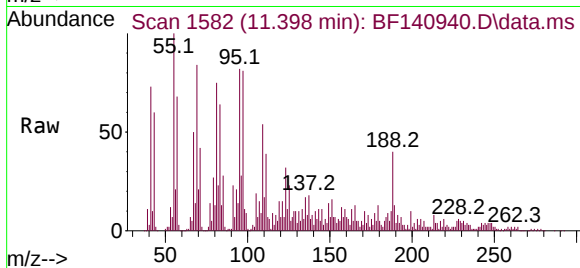
Tgt Ion:188 Resp: 106218

Ion Ratio Lower Upper

188 100

94 34.2 6.4 9.6#

80 33.0 6.8 10.2#



#69

Atrazine

Concen: 3.659 ng

RT: 11.086 min Scan# 1529

Delta R.T. 0.017 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

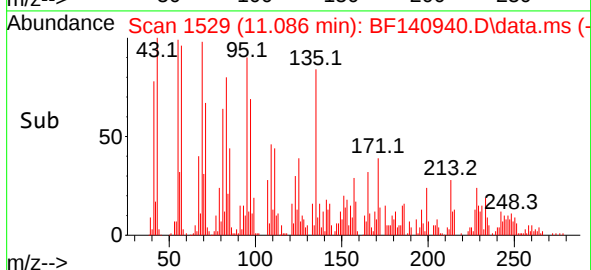
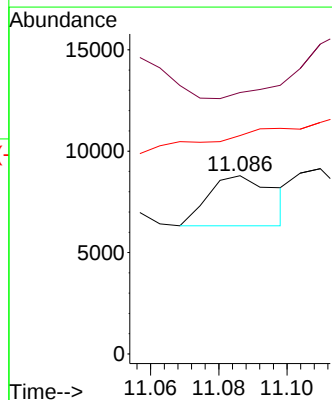
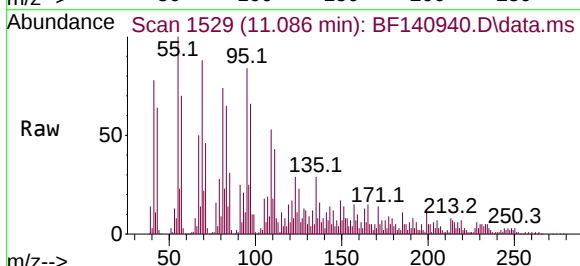
Tgt Ion:200 Resp: 3337

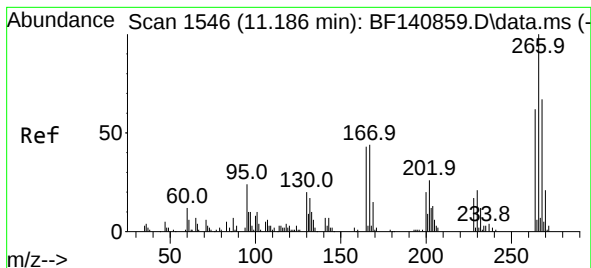
Ion Ratio Lower Upper

200 100

173 146.6 6.6 46.6#

215 122.5 26.7 66.7#





#70

Pentachlorophenol

Concen: 3.772 ng

RT: 11.222 min Scan# 1552

Delta R.T. 0.036 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

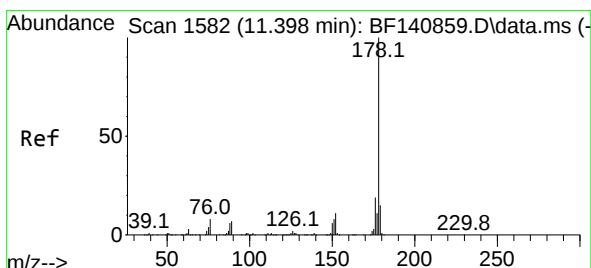
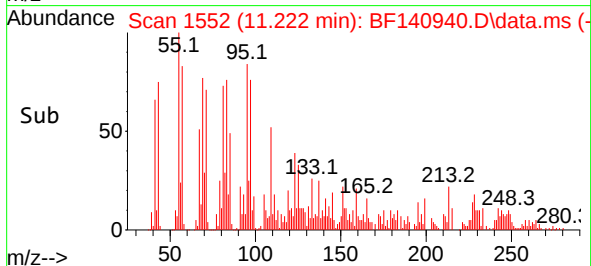
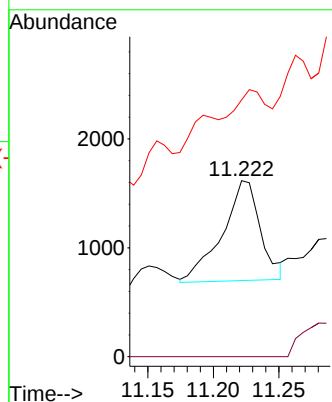
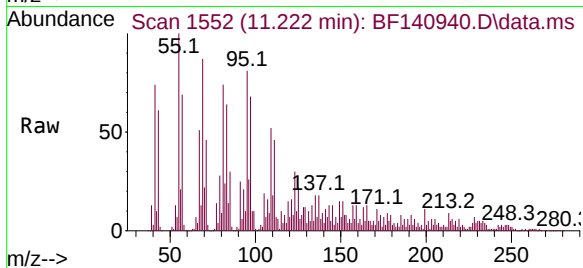
Tgt Ion:266 Resp: 1858

Ion Ratio Lower Upper

266 100

268 0.0 54.0 81.0#

264 146.0 49.4 74.2#



#71

Phenanthrene

Concen: 2.464 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.023 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

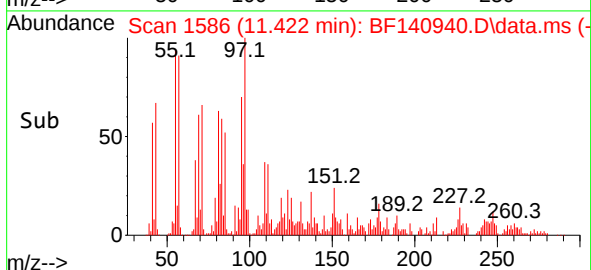
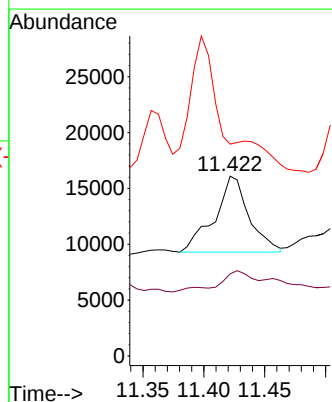
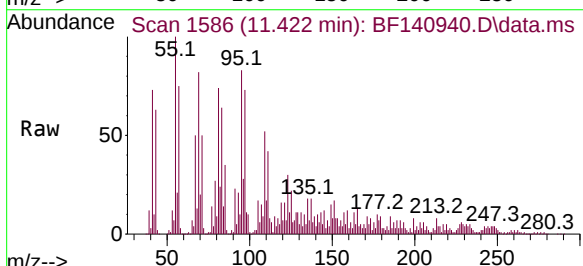
Tgt Ion:178 Resp: 13460

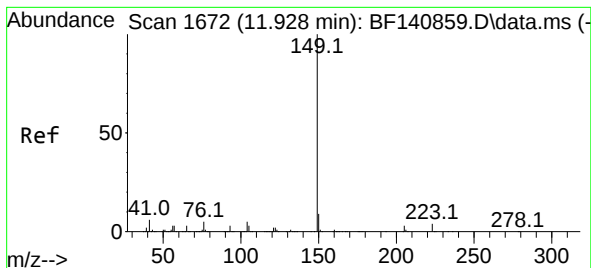
Ion Ratio Lower Upper

178 100

176 45.7 15.4 23.2#

179 117.8 12.1 18.1#





#74

Di-n-butylphthalate

Concen: 2.920 ng

RT: 11.939 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

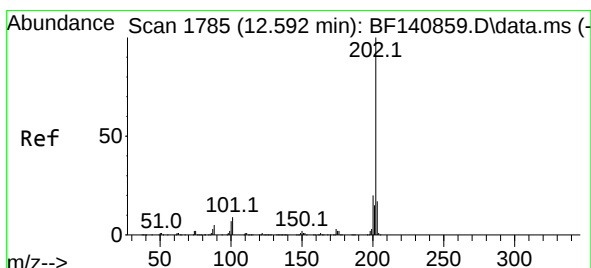
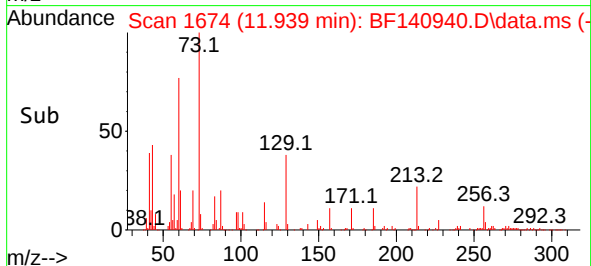
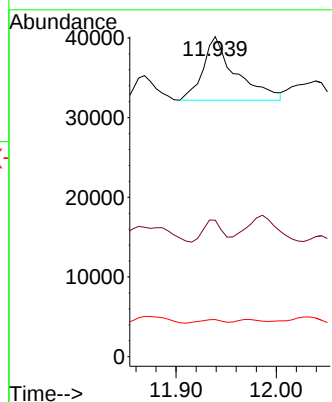
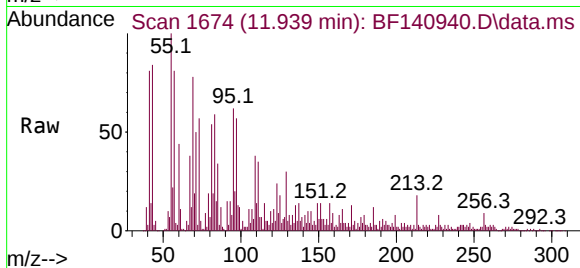
Tgt Ion:149 Resp: 18059

Ion Ratio Lower Upper

149 100

150 42.6 7.5 11.3#

104 11.6 3.8 5.8#



#75

Fluoranthene

Concen: 2.414 ng

RT: 12.621 min Scan# 1790

Delta R.T. 0.029 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

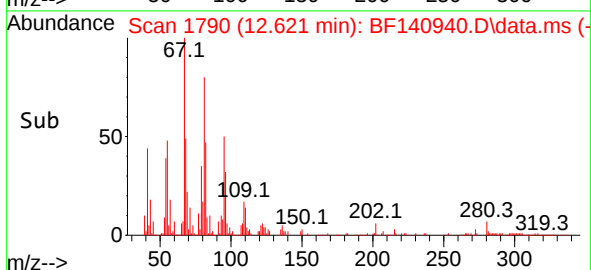
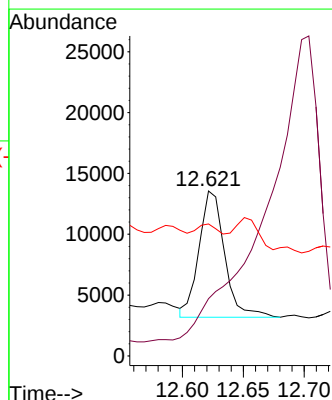
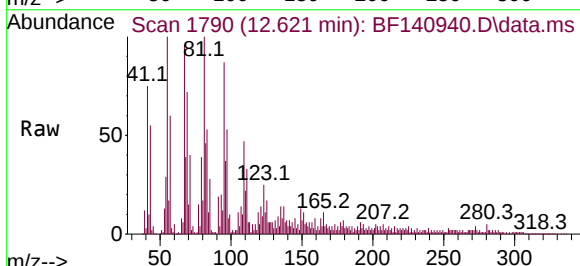
Tgt Ion:202 Resp: 15185

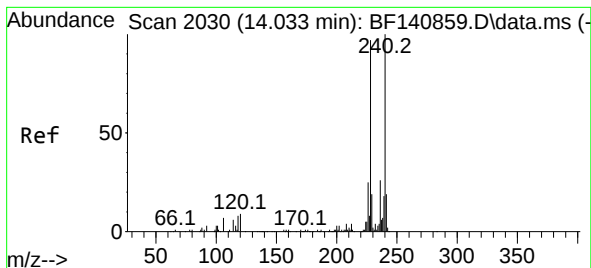
Ion Ratio Lower Upper

202 100

101 34.7 0.0 29.3#

203 80.0 0.0 37.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2030

Delta R.T. 0.017 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

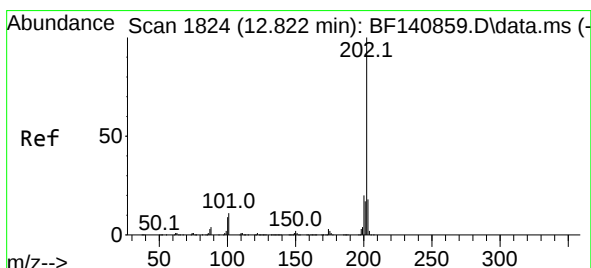
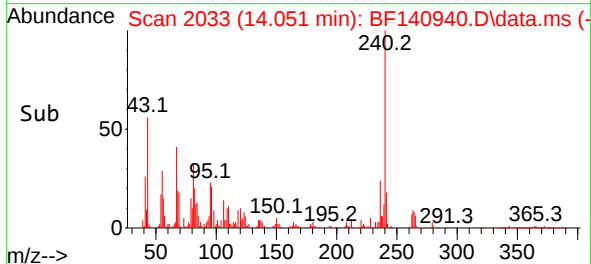
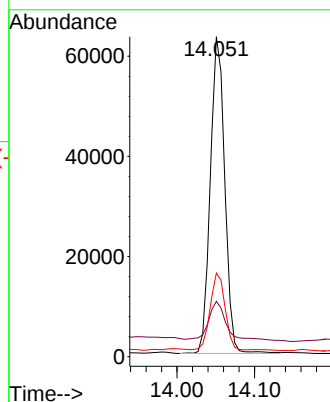
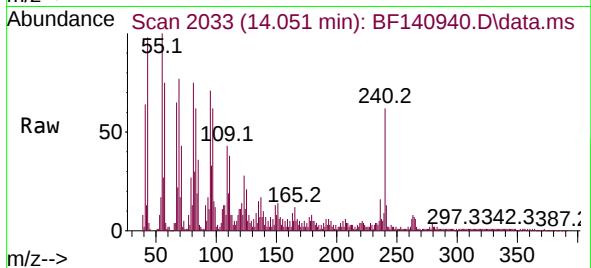
Tgt Ion:240 Resp: 82096

Ion Ratio Lower Upper

240 100

120 17.3 7.6 11.4#

236 26.2 20.5 30.7



#78

Pyrene

Concen: 2.264 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.035 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

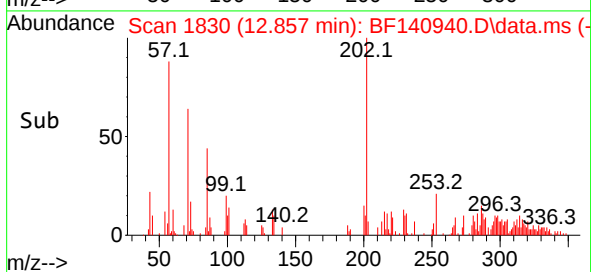
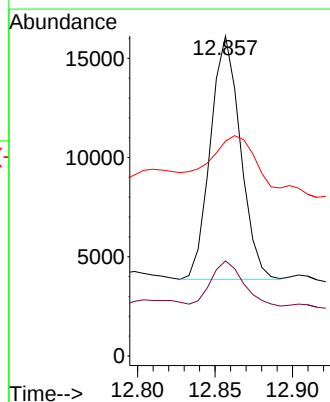
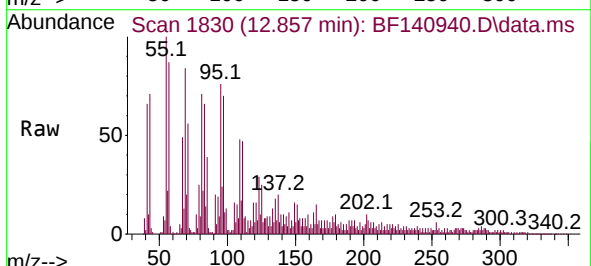
Tgt Ion:202 Resp: 16526

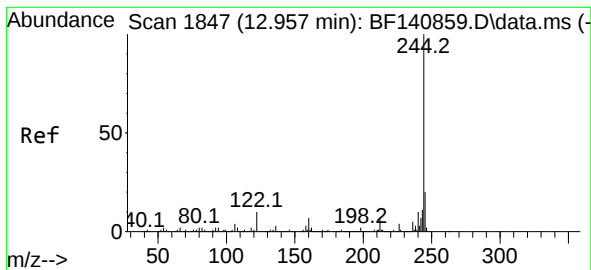
Ion Ratio Lower Upper

202 100

200 29.7 16.1 24.1#

203 67.1 14.2 21.4#





#79

Terphenyl-d14

Concen: 18.091 ng

RT: 12.986 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

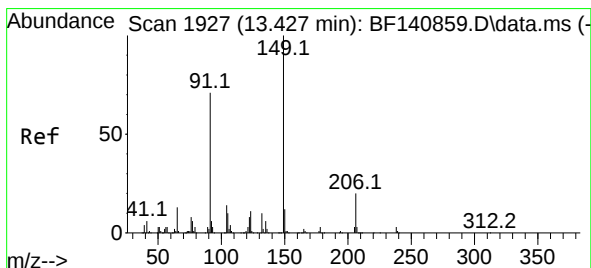
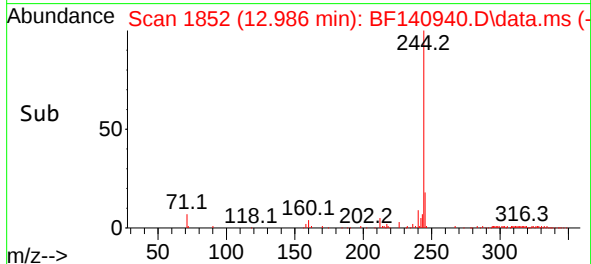
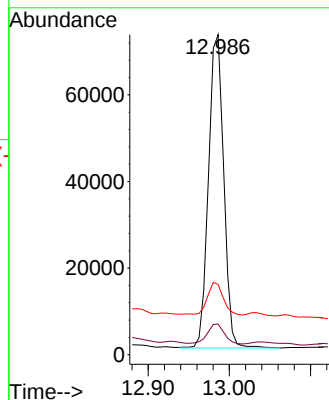
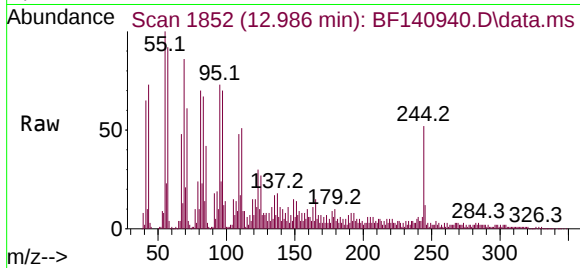
Tgt Ion:244 Resp: 94186

Ion Ratio Lower Upper

244 100

212 9.5 5.6 8.4#

122 22.0 8.2 12.2#



#80

Butylbenzylphthalate

Concen: 2.291 ng

RT: 13.551 min Scan# 1948

Delta R.T. 0.123 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

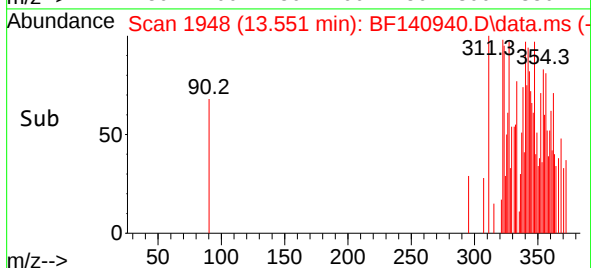
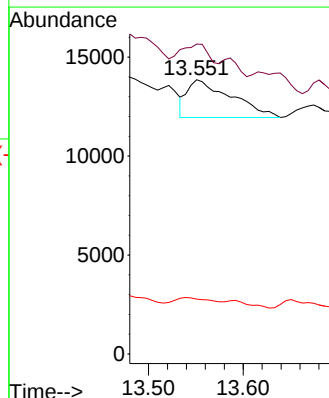
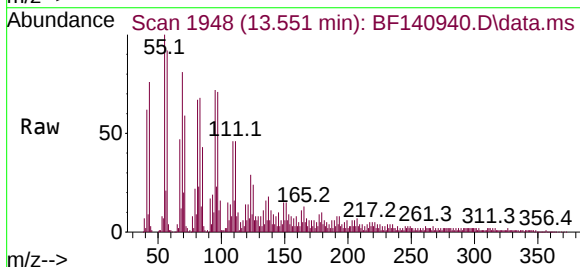
Tgt Ion:149 Resp: 6155

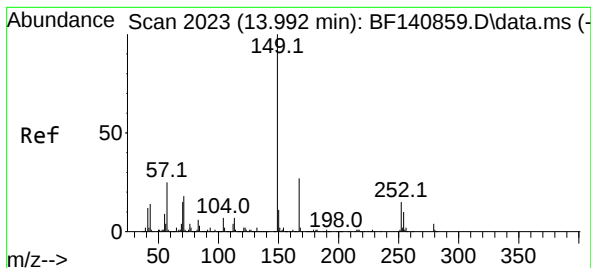
Ion Ratio Lower Upper

149 100

91 113.0 56.7 85.1#

206 20.0 16.4 24.6

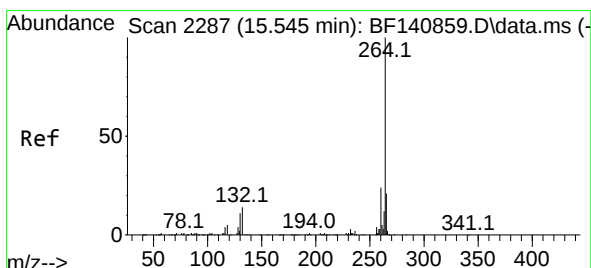
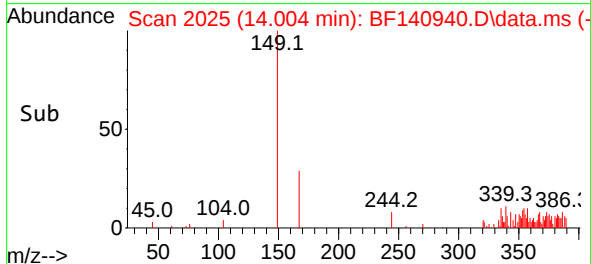
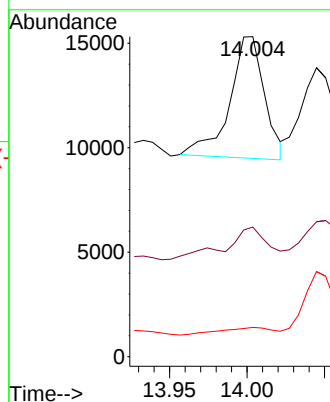
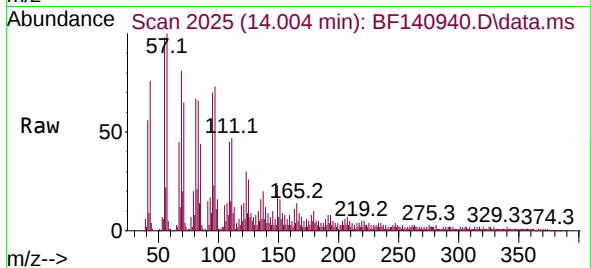




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.617 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

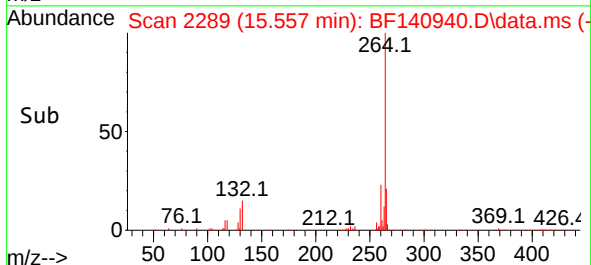
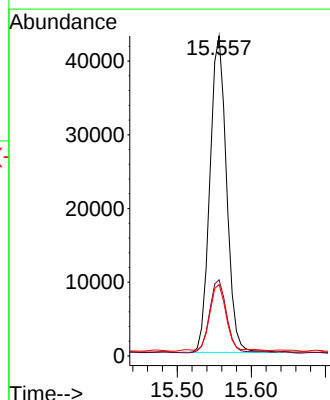
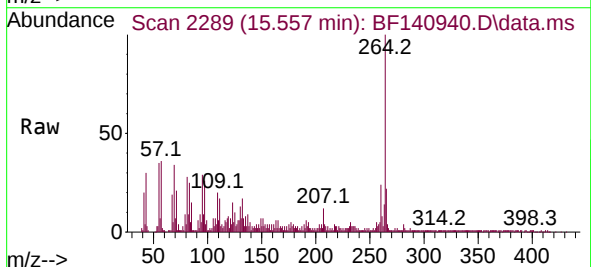
Instrument :
BNA_F
ClientSampleId :
HT2651

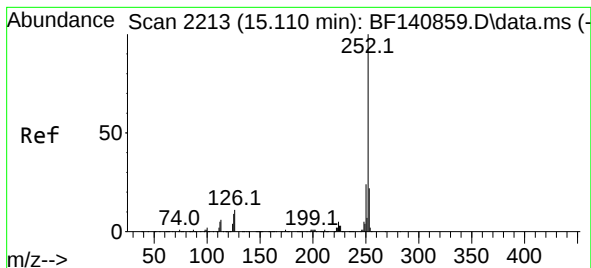
Tgt Ion:149 Resp: 9064
Ion Ratio Lower Upper
149 100
167 40.5 21.8 32.8#
279 9.2 3.5 5.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2289
Delta R.T. 0.012 min
Lab File: BF140940.D
Acq: 19 Dec 2024 21:19

Tgt Ion:264 Resp: 66926
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 22.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.862 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Instrument :

BNA_F

ClientSampleId :

HT2651

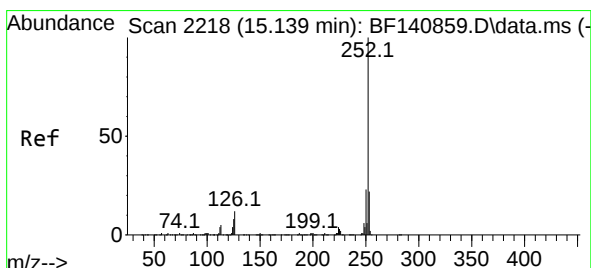
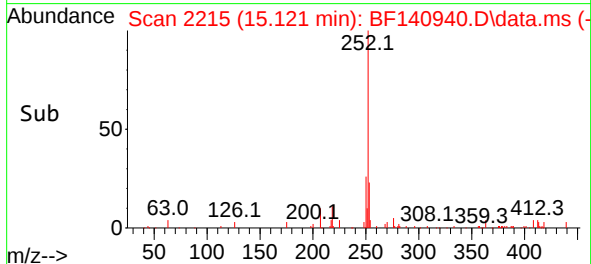
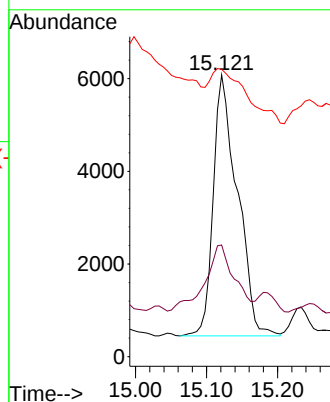
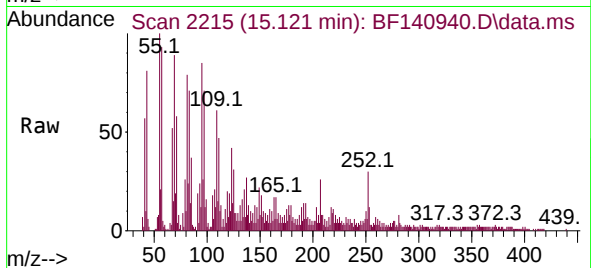
Tgt Ion:252 Resp: 13298

Ion Ratio Lower Upper

252 100

253 39.7 17.8 26.6#

125 102.0 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 3.337 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF140940.D

Acq: 19 Dec 2024 21:19

Tgt Ion:252 Resp: 13298

Ion Ratio Lower Upper

252 100

253 39.7 17.5 26.3#

125 102.0 6.8 10.2#

