

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140937.D
 Acq On : 19 Dec 2024 20:00
 Operator : RC/JU
 Sample : P5339-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-12182024

Quant Time: Dec 20 00:10:20 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)

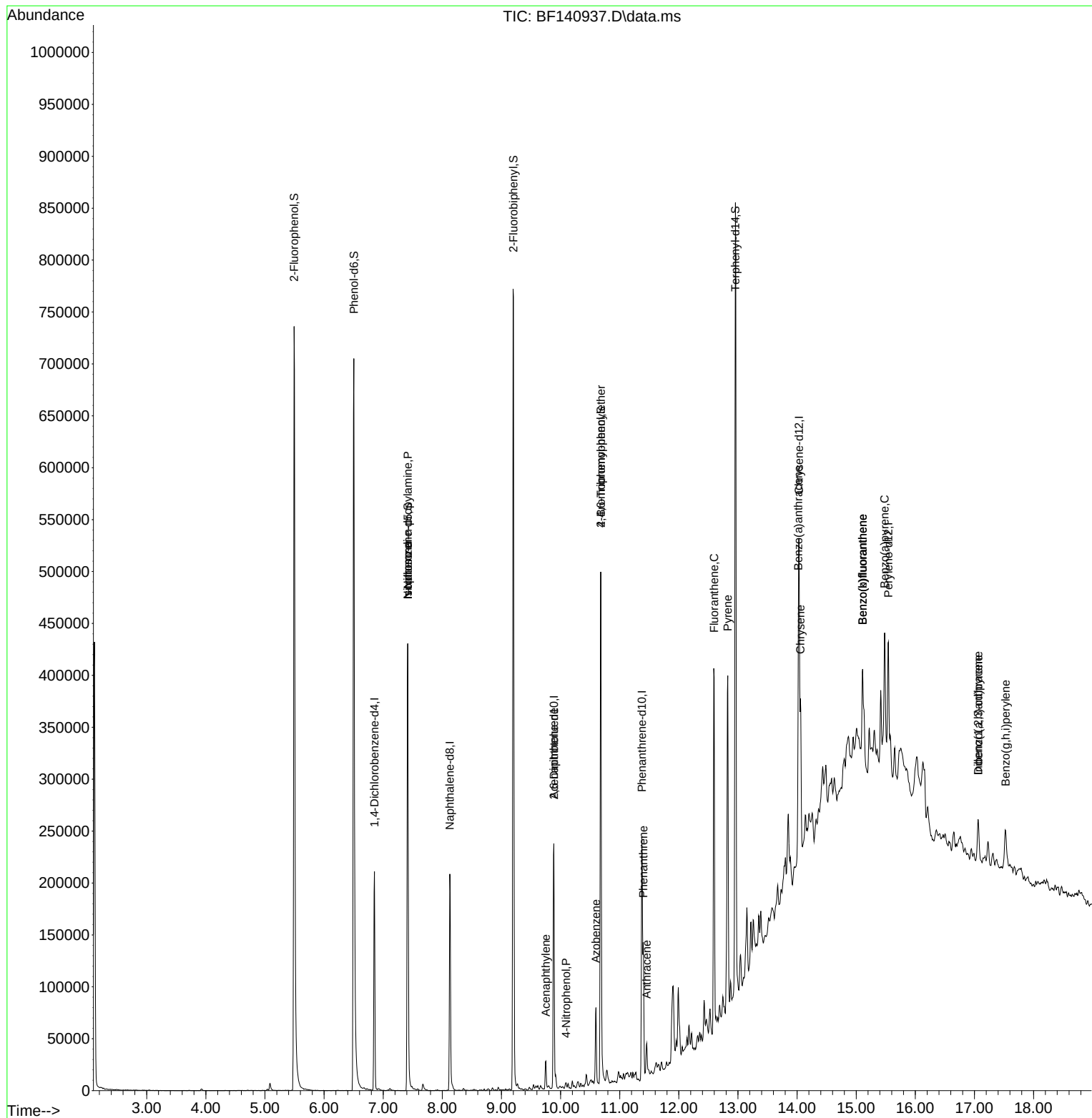
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	46390	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	142052	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	74068	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	121166	20.000	ng	0.00
76) Chrysene-d12	14.033	240	102279	20.000	ng	0.00
86) Perylene-d12	15.545	264	77761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	342567	121.562	ng	0.00
7) Phenol-d6	6.504	99	403805	108.186	ng	0.00
23) Nitrobenzene-d5	7.416	82	206846	72.852	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	92236	105.291	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	370201	68.717	ng	0.00
79) Terphenyl-d14	12.957	244	385364	59.413	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	27734	12.387	ng	# 77
25) Isophorone	7.416	82	206869	43.484	ng	# 65
49) Acenaphthylene	9.751	152	17779	2.685	ng	98
51) 2,6-Dinitrotoluene	9.886	165	9667	8.098	ng	# 20
56) 4-Nitrophenol	10.092	139	932	5.823	ng	# 5
63) Azobenzene	10.598	77	18420	3.618	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	5623	4.148	ng	# 1
71) Phenanthrene	11.398	178	66924	10.741	ng	98
72) Anthracene	11.457	178	21248	3.463	ng	99
75) Fluoranthene	12.598	202	209032	29.130	ng	99
78) Pyrene	12.827	202	196479	21.602	ng	100
81) Benzo(a)anthracene	14.021	228	95897	13.229	ng	96
83) Chrysene	14.057	228	84083	12.756	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	33154	6.832	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	109896	20.360	ng	# 93
89) Benzo(k)fluoranthene	15.110	252	109896	23.735	ng	# 93
90) Benzo(a)pyrene	15.480	252	63015	14.909	ng	# 92
91) Dibenzo(a,h)anthracene	17.062	278	8281	2.060	ng	# 66
92) Benzo(g,h,i)perylene	17.527	276	32035	7.830	ng	93

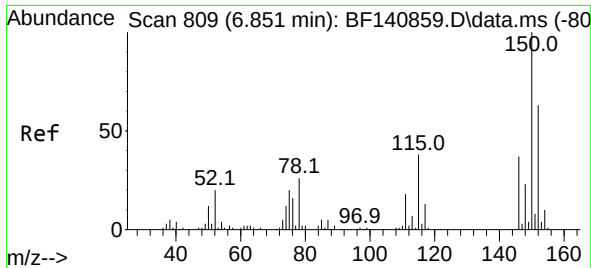
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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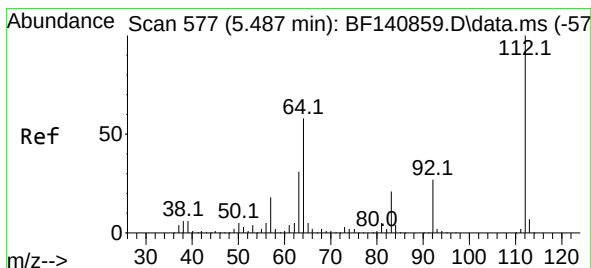
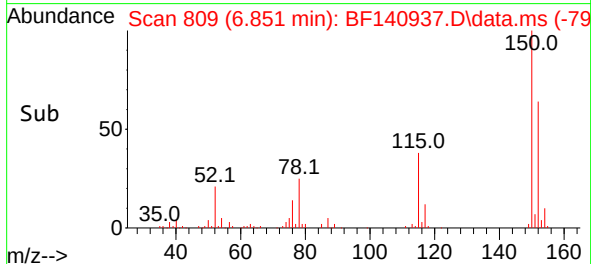
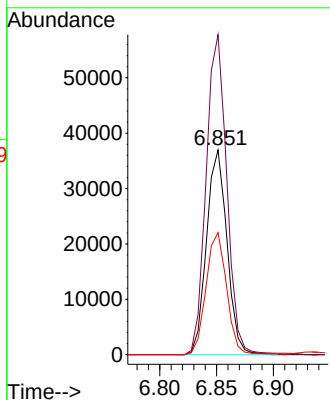
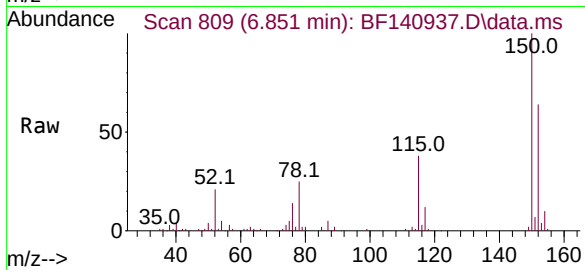




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140937.D
 Acq: 19 Dec 2024 20:00

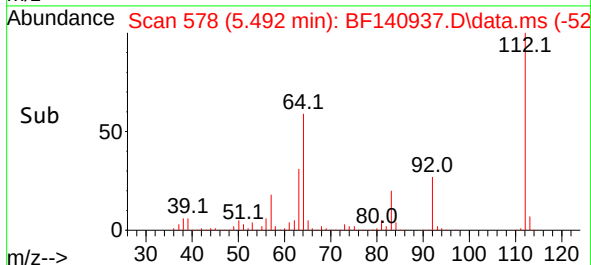
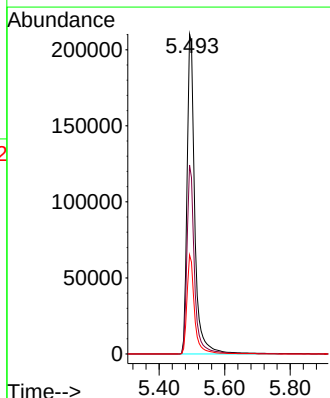
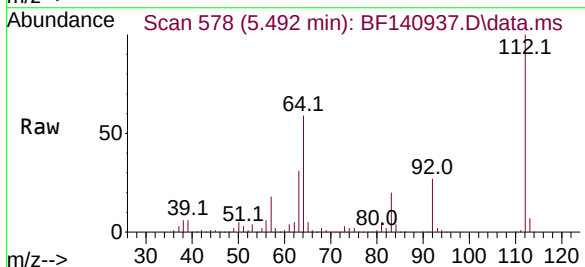
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-12182024

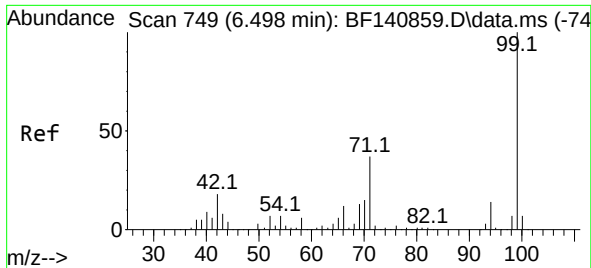
Tgt Ion:152 Resp: 46390
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.9 191.9
 115 59.6 48.0 72.0



#5
 2-Fluorophenol
 Concen: 121.562 ng
 RT: 5.492 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF140937.D
 Acq: 19 Dec 2024 20:00

Tgt Ion:112 Resp: 342567
 Ion Ratio Lower Upper
 112 100
 64 59.0 46.1 69.1
 63 30.9 24.9 37.3





#7

Phenol-d6

Concen: 108.186 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

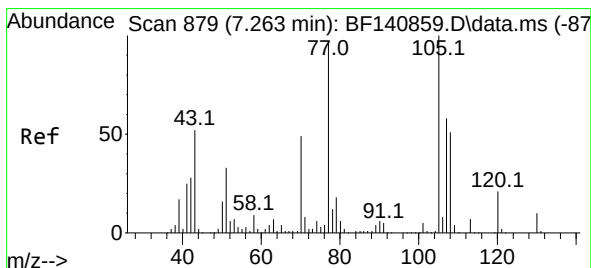
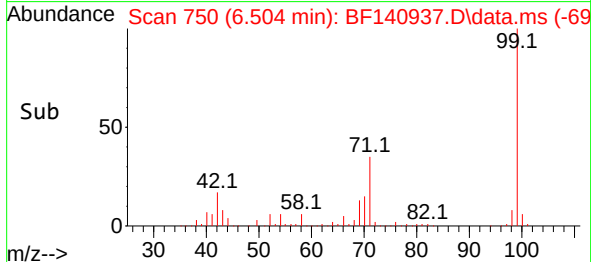
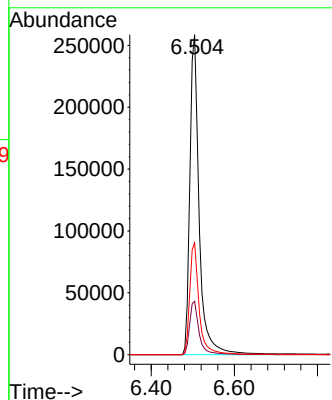
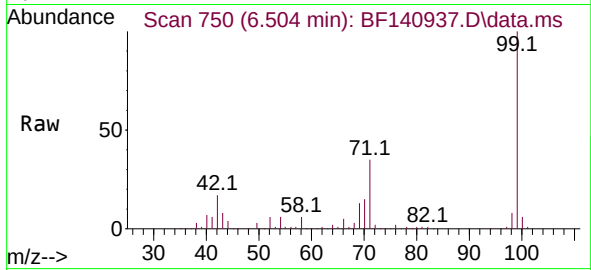
Tgt Ion: 99 Resp: 403805

Ion Ratio Lower Upper

99 100

42 16.7 14.3 21.5

71 34.9 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.387 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.153 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Tgt Ion: 70 Resp: 27734

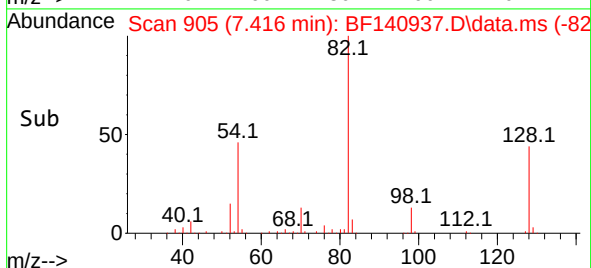
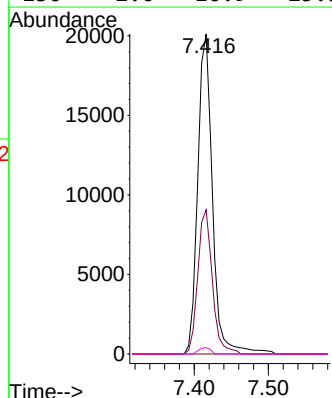
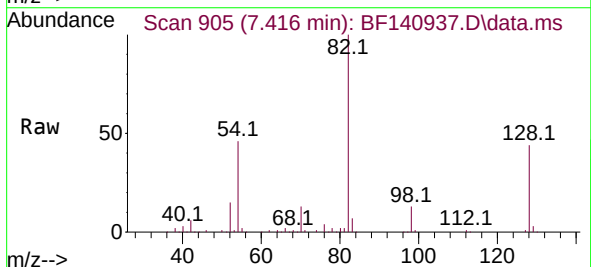
Ion Ratio Lower Upper

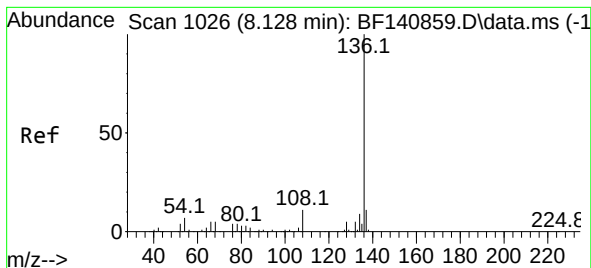
70 100

42 45.1 45.3 67.9#

101 0.0 8.0 12.0#

130 2.0 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

Tgt Ion:136 Resp: 142052

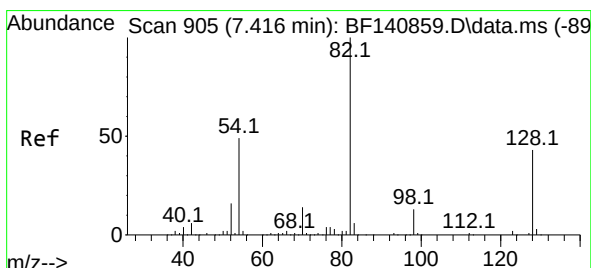
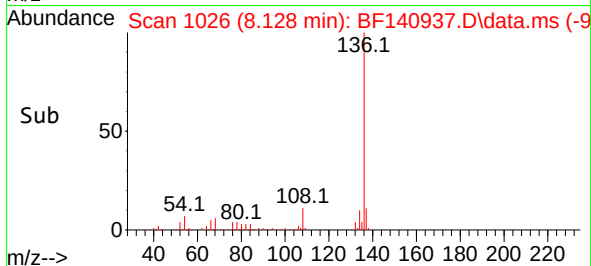
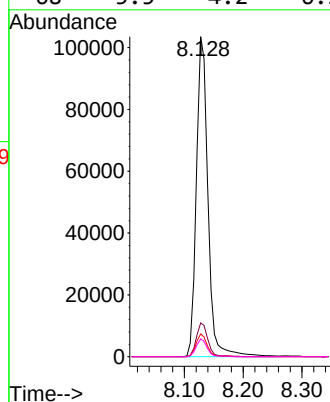
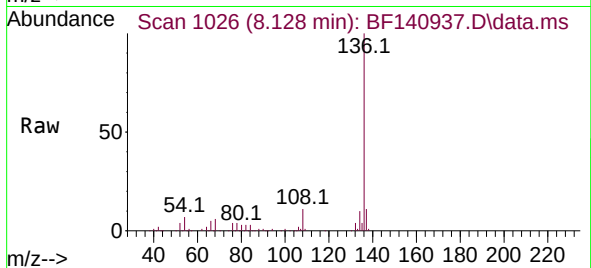
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 7.1 5.6 8.4

68 5.5 4.2 6.2



#23

Nitrobenzene-d5

Concen: 72.852 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

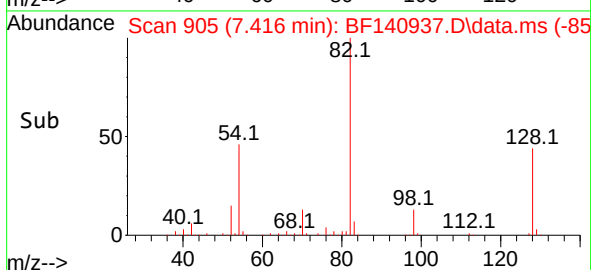
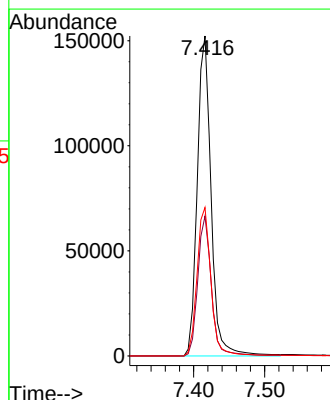
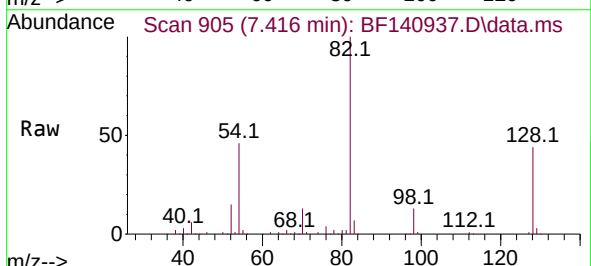
Tgt Ion: 82 Resp: 206846

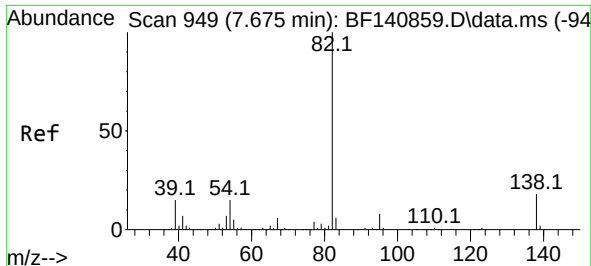
Ion Ratio Lower Upper

82 100

128 43.7 34.4 51.6

54 46.4 38.8 58.2

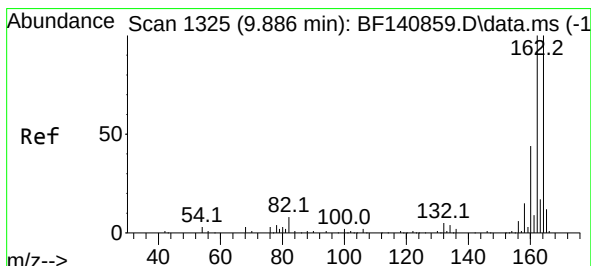
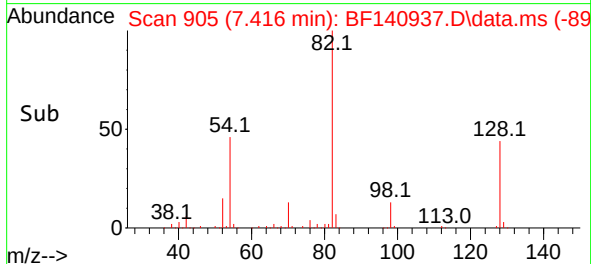
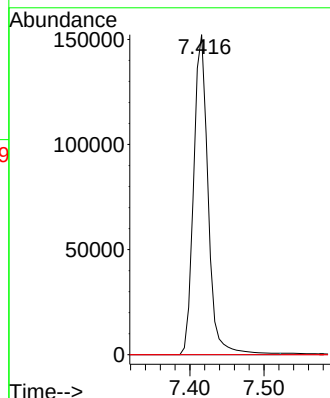
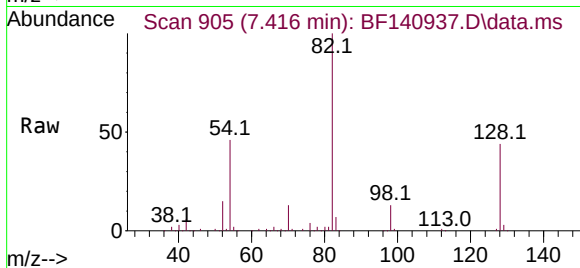




#25
Isophorone
Concen: 43.484 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

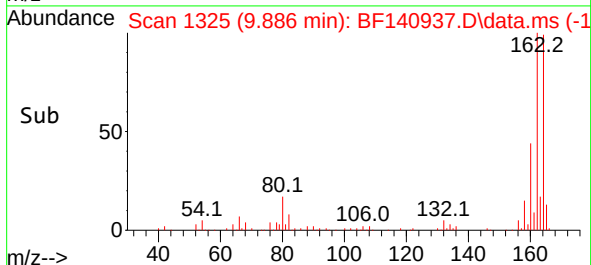
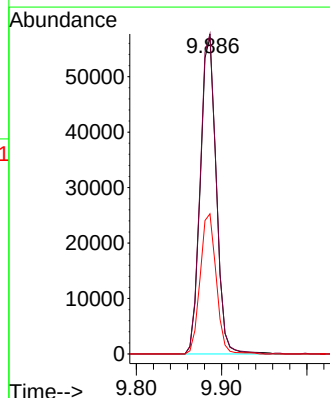
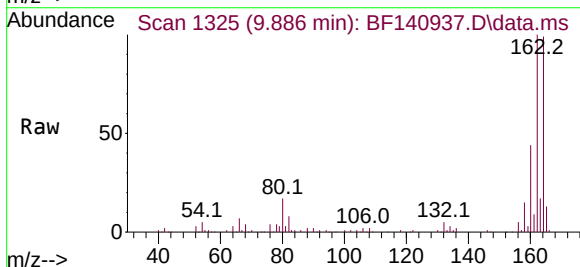
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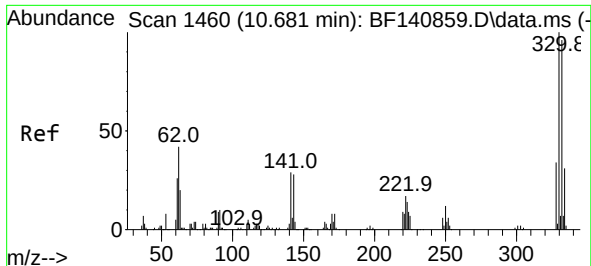
Tgt Ion: 82 Resp: 206869
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:164 Resp: 74068
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 44.2 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 105.291 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140937.D

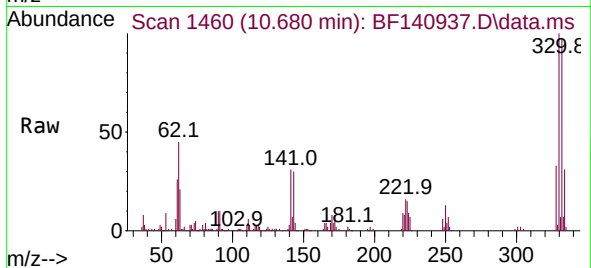
Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024



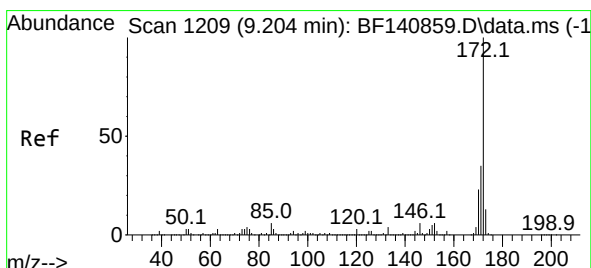
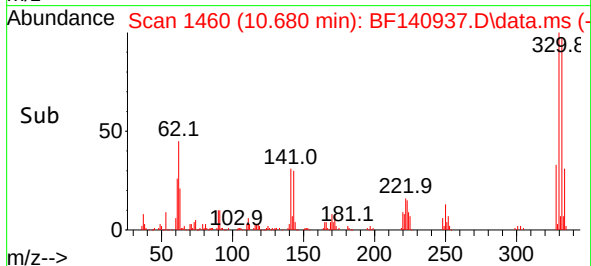
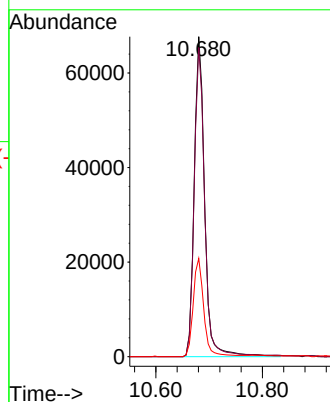
Tgt Ion:330 Resp: 92236

Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

141 31.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 68.717 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

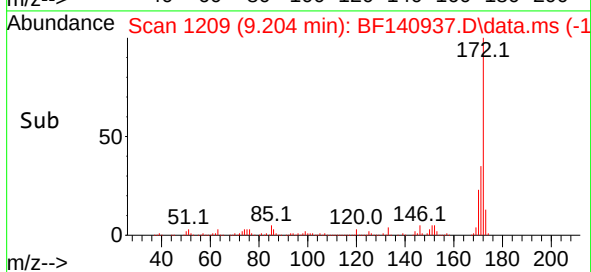
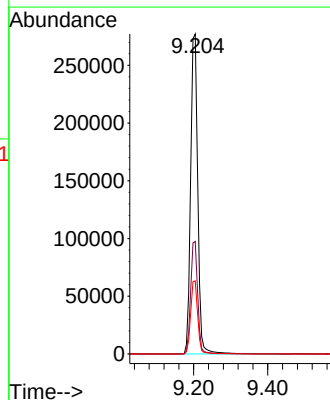
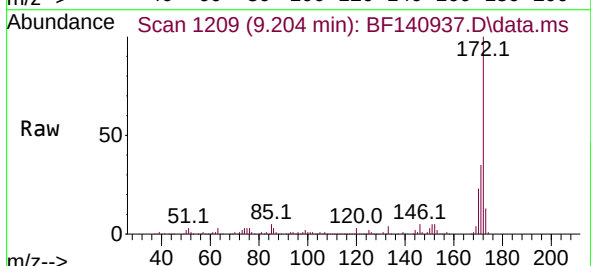
Tgt Ion:172 Resp: 370201

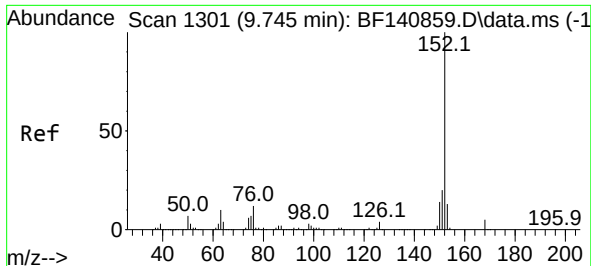
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 22.8 18.6 28.0

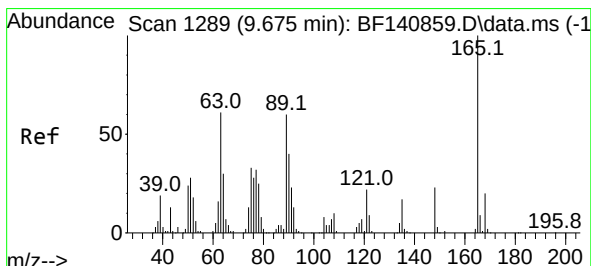
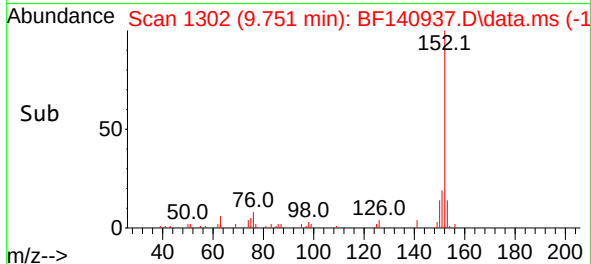
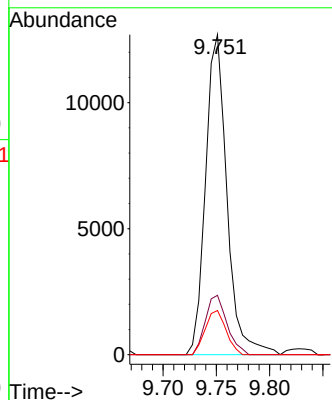
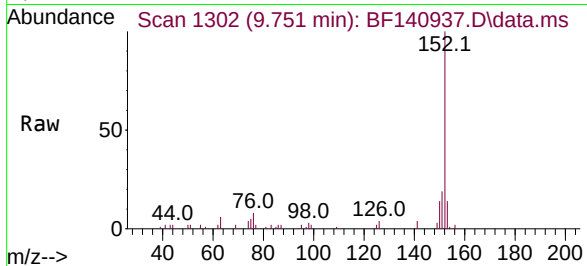




#49
Acenaphthylene
Concen: 2.685 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

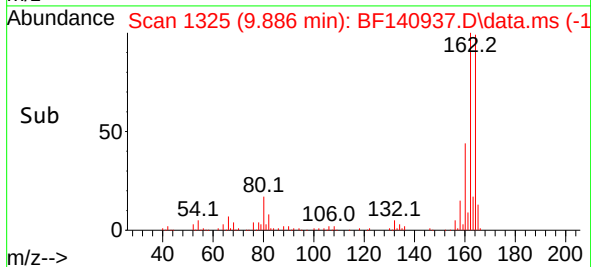
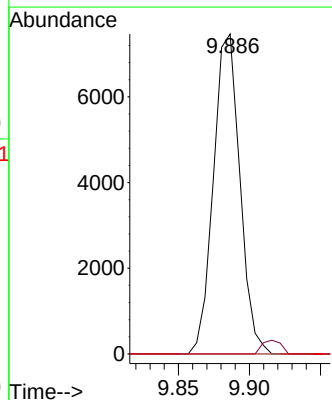
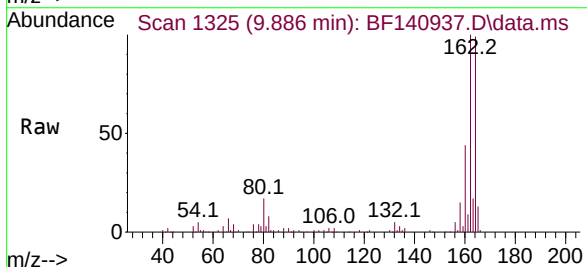
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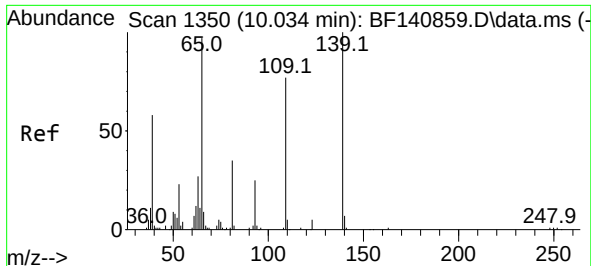
Tgt Ion:152 Resp: 17779
Ion Ratio Lower Upper
152 100
151 18.5 16.0 24.0
153 13.8 10.6 16.0



#51
2,6-Dinitrotoluene
Concen: 8.098 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.212 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:165 Resp: 9667
Ion Ratio Lower Upper
165 100
63 0.0 49.7 74.5#
89 0.0 48.2 72.4#

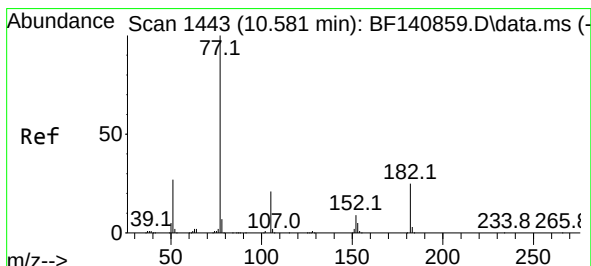
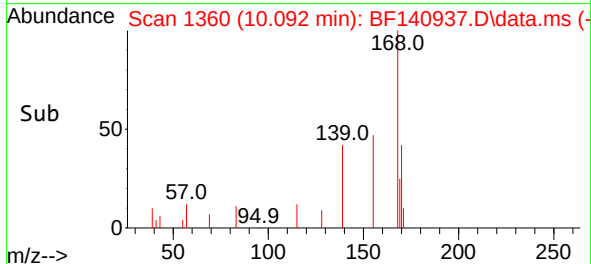
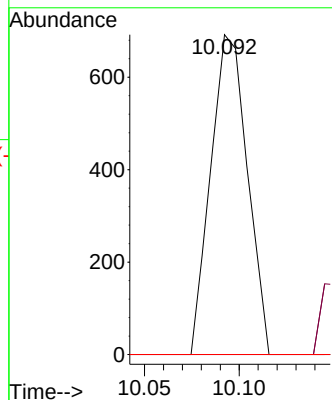
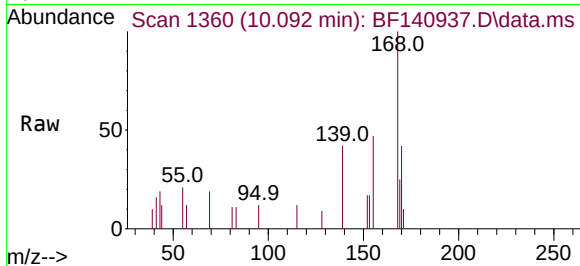




#56
4-Nitrophenol
Concen: 5.823 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

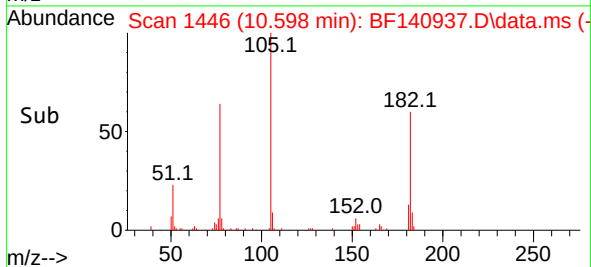
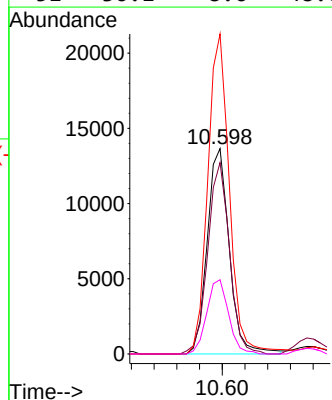
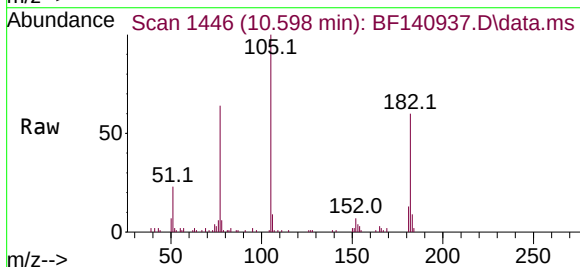
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TR-06-12182024

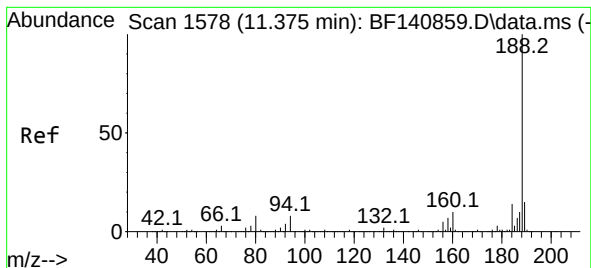
Tgt Ion:139 Resp: 932
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 78.1 118.1#



#63
Azobenzene
Concen: 3.618 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.018 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion: 77 Resp: 18420
Ion Ratio Lower Upper
77 100
182 93.1 4.5 44.5#
105 155.7 0.9 40.9#
51 36.1 8.6 48.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

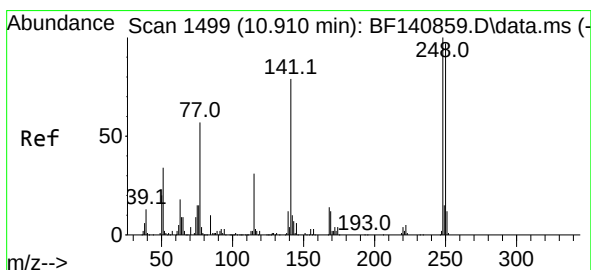
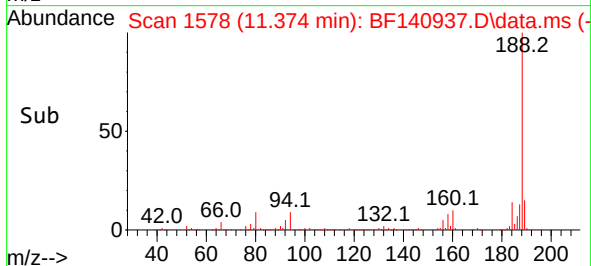
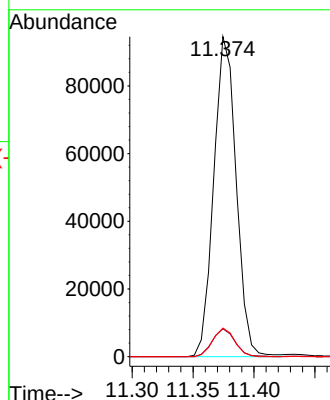
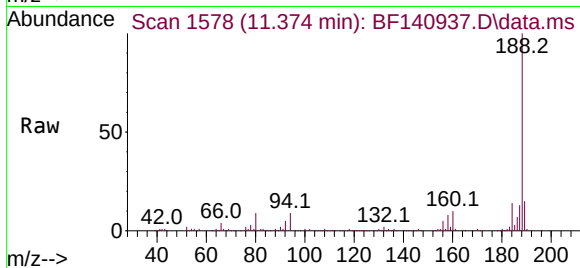
Tgt Ion:188 Resp: 121166

Ion Ratio Lower Upper

188 100

94 8.7 6.4 9.6

80 8.9 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 4.148 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.230 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

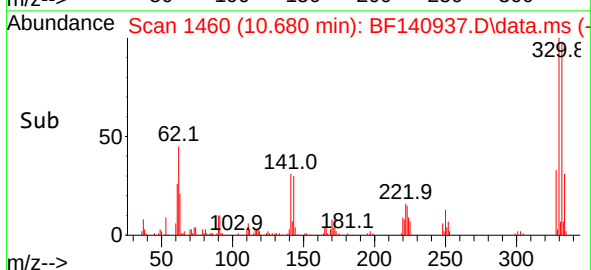
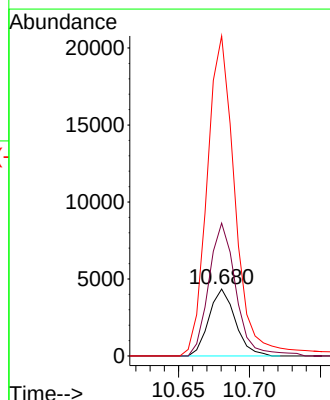
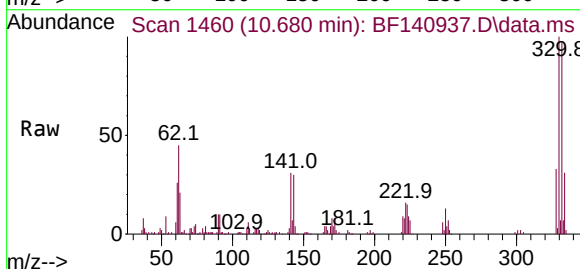
Tgt Ion:248 Resp: 5623

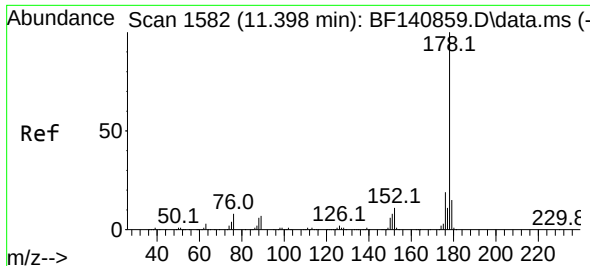
Ion Ratio Lower Upper

248 100

250 198.4 77.4 116.2#

141 478.3 62.9 94.3#

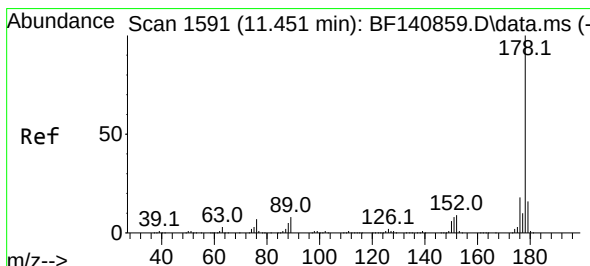
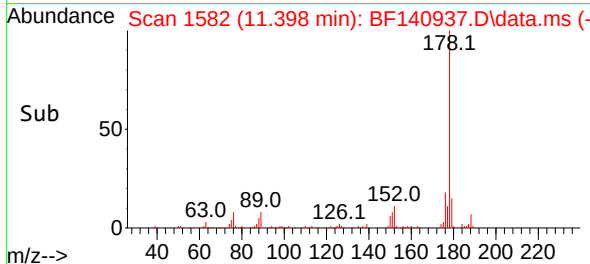
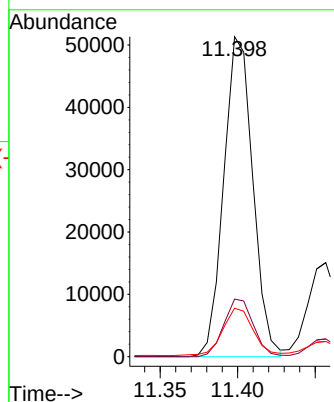
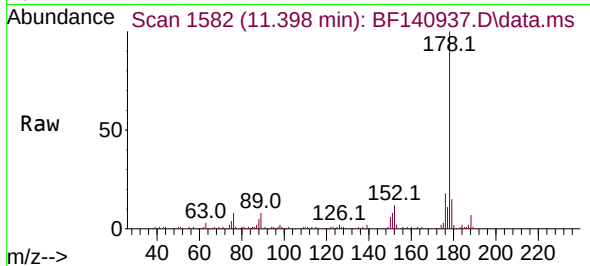




#71
Phenanthrene
Concen: 10.741 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

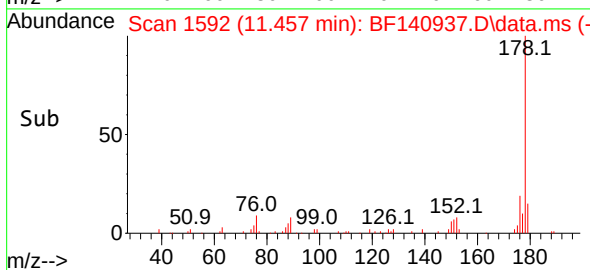
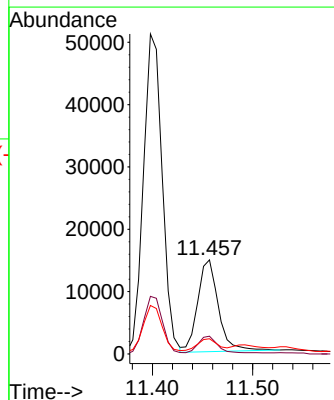
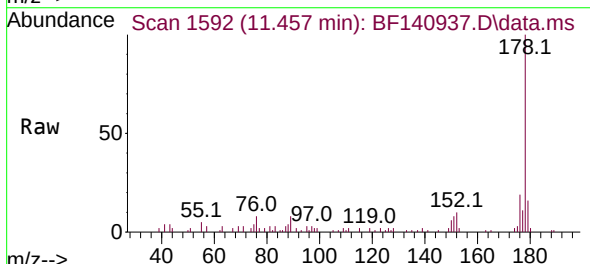
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

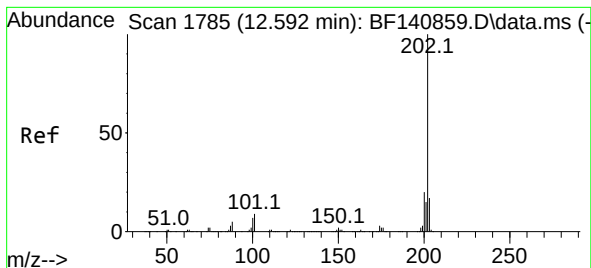
Tgt Ion:178 Resp: 66924
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.2 12.1 18.1



#72
Anthracene
Concen: 3.463 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:178 Resp: 21248
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 16.2 12.6 18.8





#75

Fluoranthene

Concen: 29.130 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

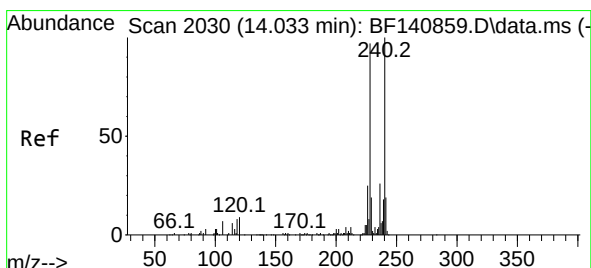
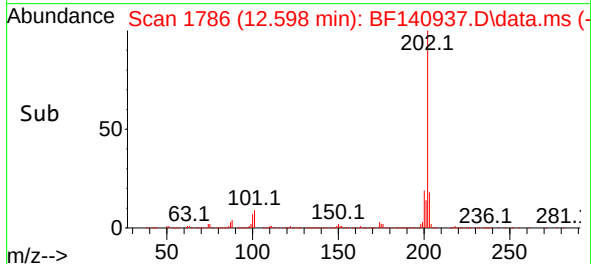
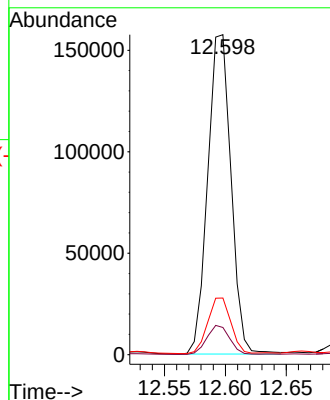
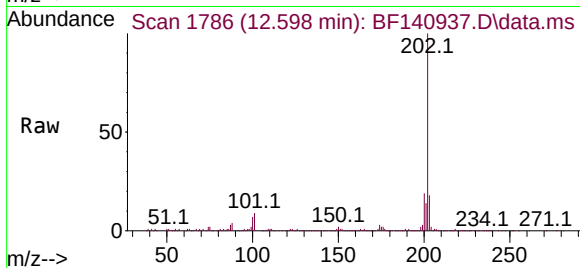
Tgt Ion:202 Resp: 209032

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.3

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

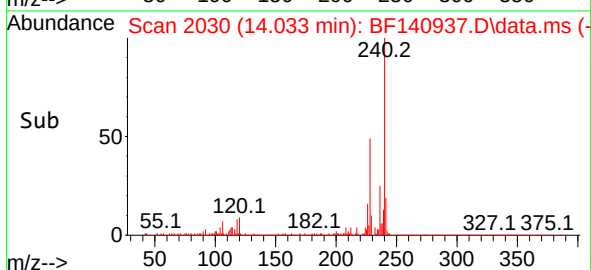
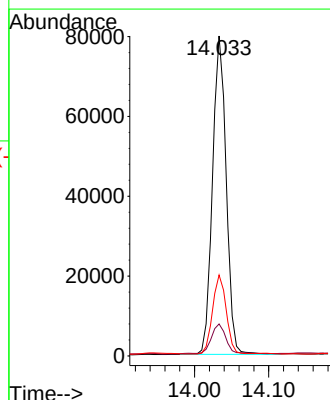
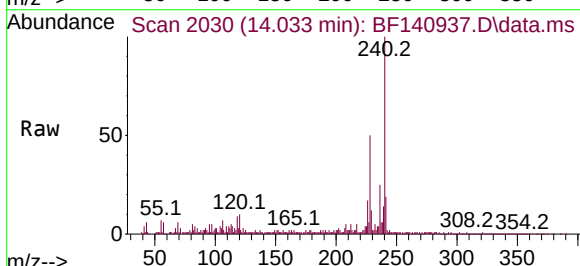
Tgt Ion:240 Resp: 102279

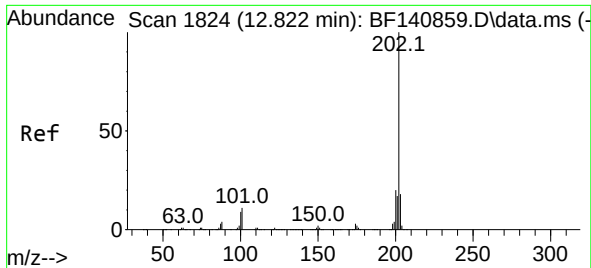
Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.3 20.5 30.7

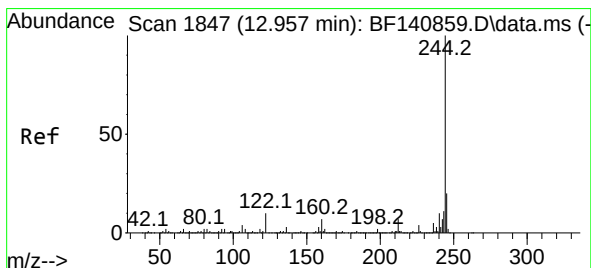
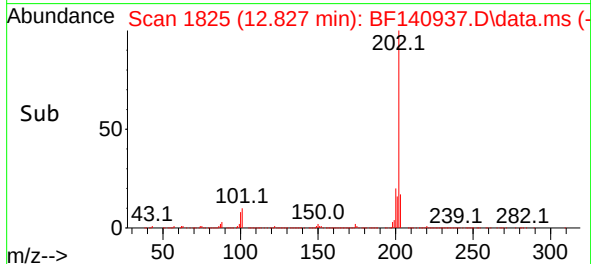
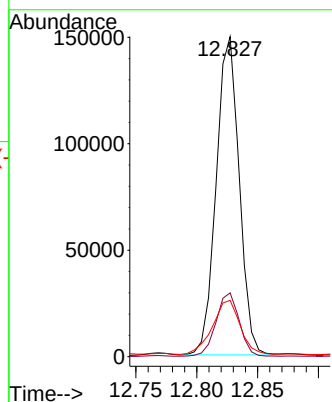
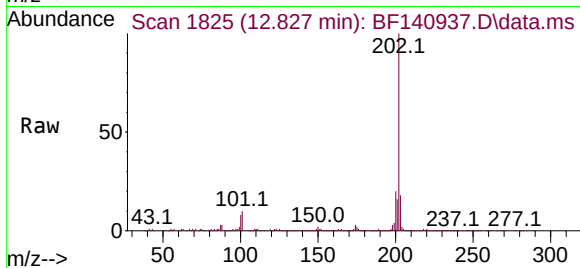




#78
Pyrene
Concen: 21.602 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

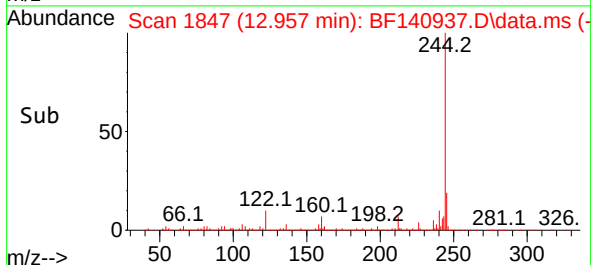
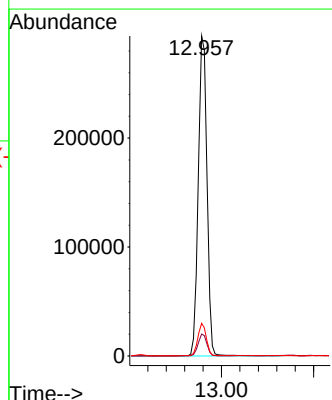
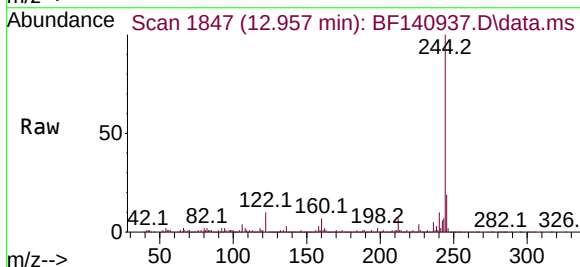
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

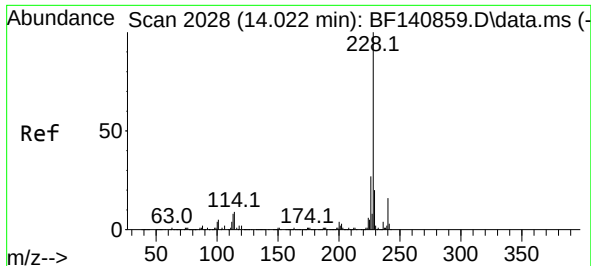
Tgt Ion:202 Resp: 196479
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.6 14.2 21.4



#79
Terphenyl-d14
Concen: 59.413 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:244 Resp: 385364
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.2 8.2 12.2

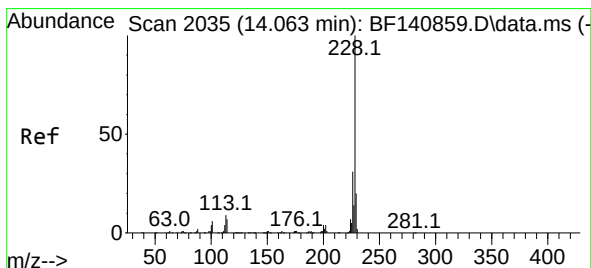
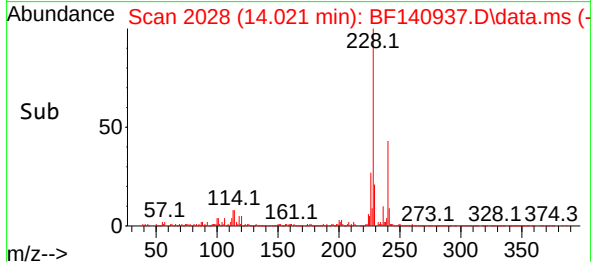
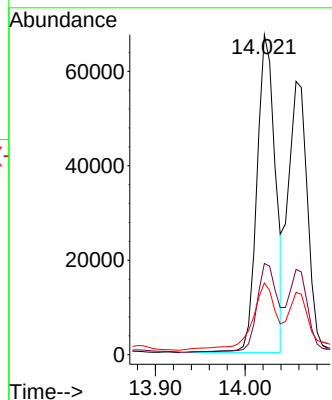
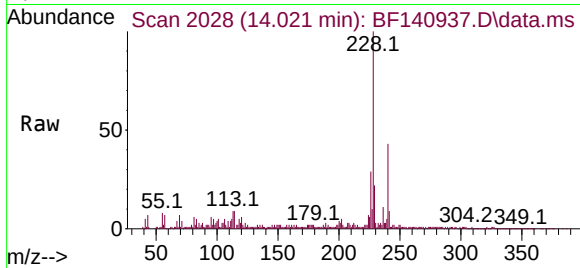




#81
Benzo(a)anthracene
Concen: 13.229 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

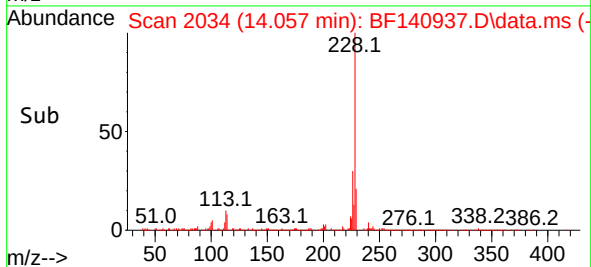
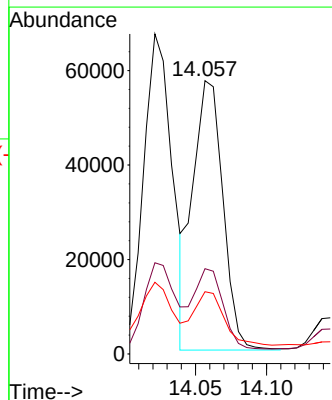
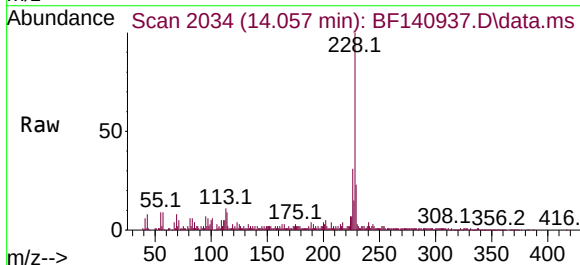
Instrument :
BNA_F
ClientSampleId :
TR-06-12182024

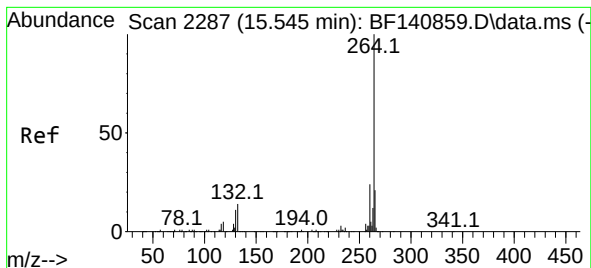
Tgt Ion:228	Resp:	95897
Ion Ratio	Lower	Upper
228	100	
226	28.5	21.8 32.8
229	22.4	15.8 23.8



#83
Chrysene
Concen: 12.756 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140937.D
Acq: 19 Dec 2024 20:00

Tgt Ion:228	Resp:	84083
Ion Ratio	Lower	Upper
228	100	
226	31.2	24.1 36.1
229	22.8	16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

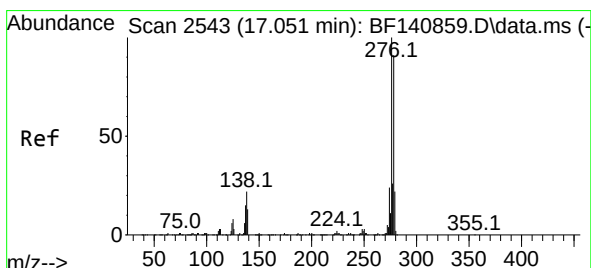
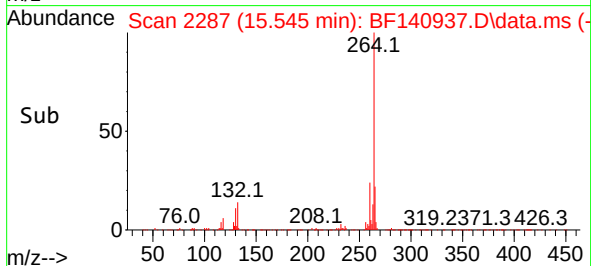
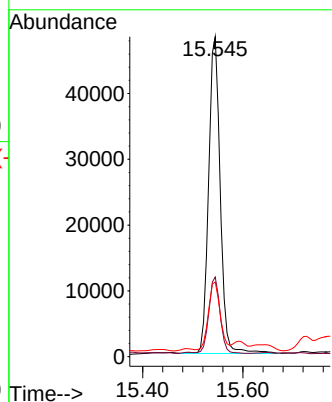
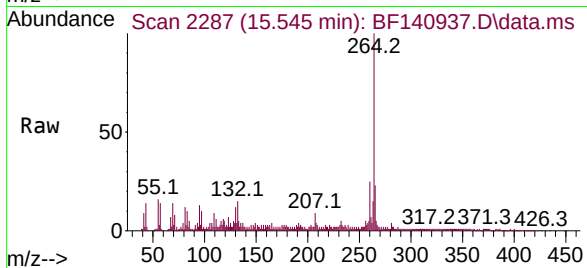
Tgt Ion:264 Resp: 77761

Ion Ratio Lower Upper

264 100

260 24.9 19.1 28.7

265 23.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.832 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.012 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

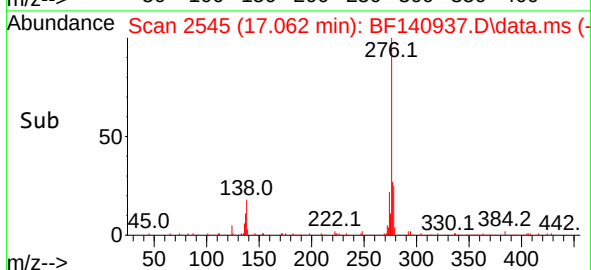
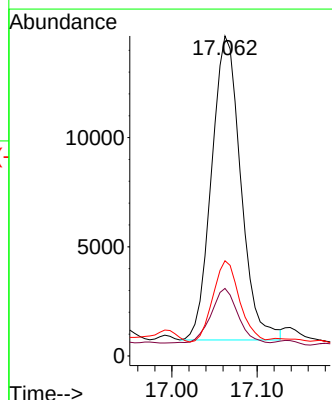
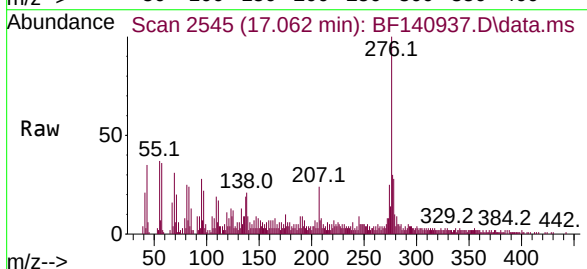
Tgt Ion:276 Resp: 33154

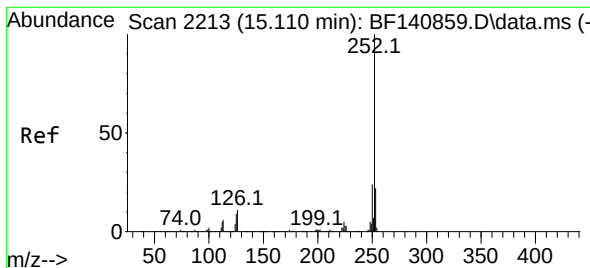
Ion Ratio Lower Upper

276 100

138 16.3 16.9 25.3#

277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 20.360 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

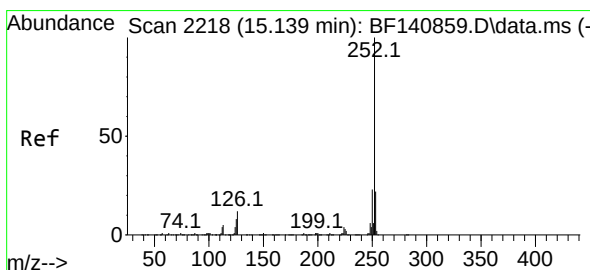
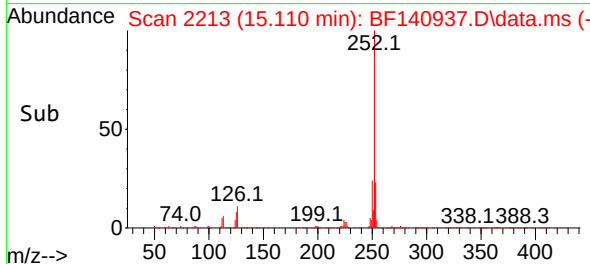
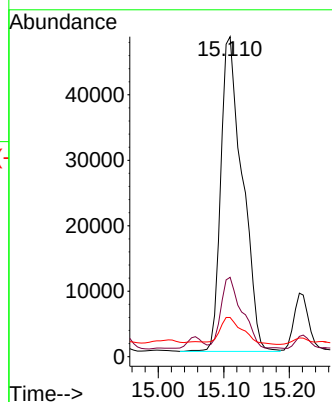
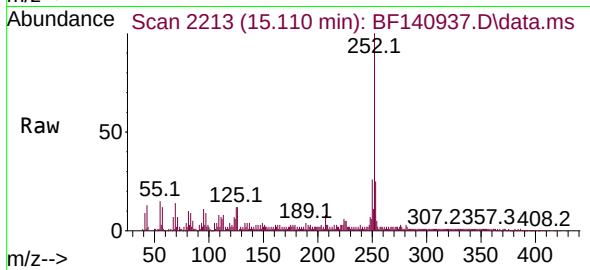
Tgt Ion:252 Resp: 109896

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.6

125 12.3 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 23.735 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.030 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

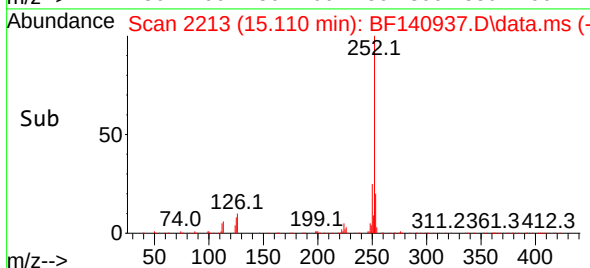
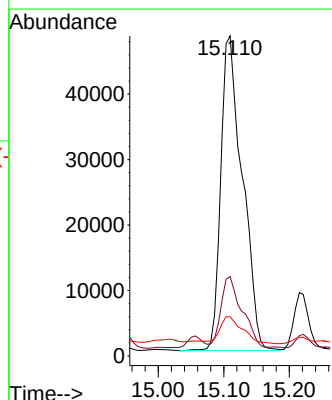
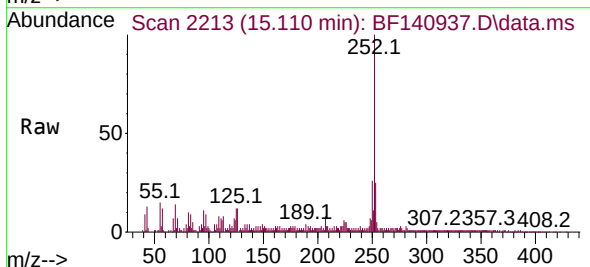
Tgt Ion:252 Resp: 109896

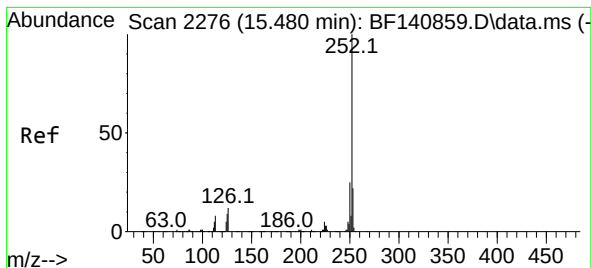
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 12.3 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 14.909 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024

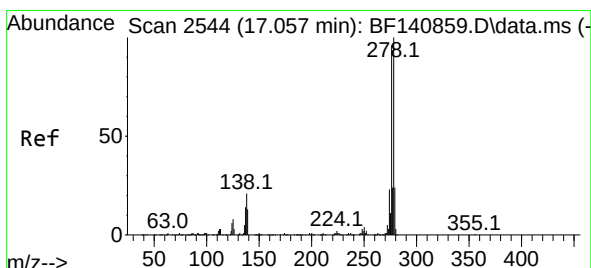
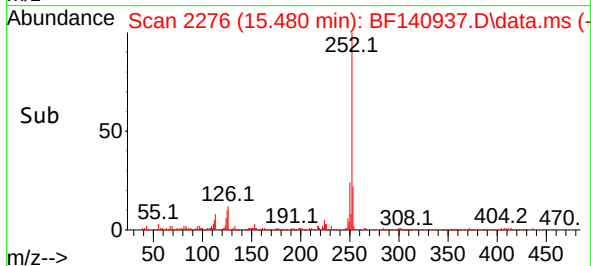
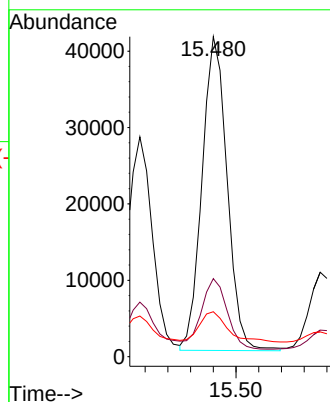
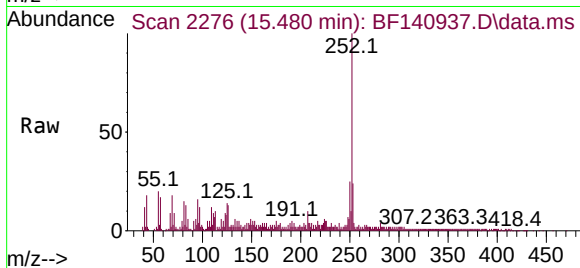
Tgt Ion:252 Resp: 63015

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.1 7.5 11.3#



#91

Dibenzo(a,h)anthracene

Concen: 2.060 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.006 min

Lab File: BF140937.D

Acq: 19 Dec 2024 20:00

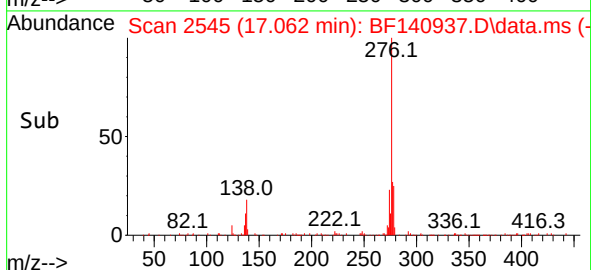
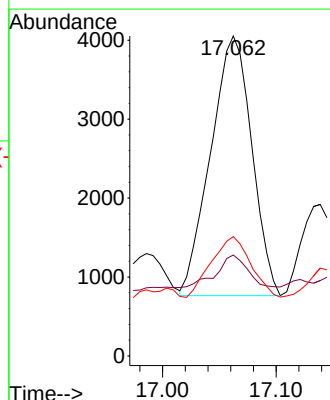
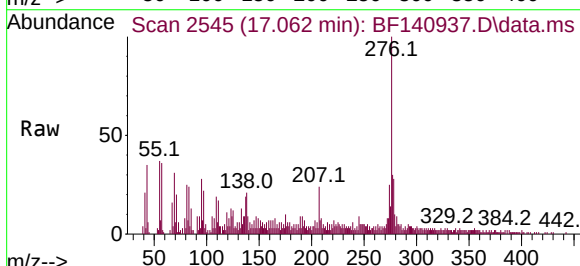
Tgt Ion:278 Resp: 8281

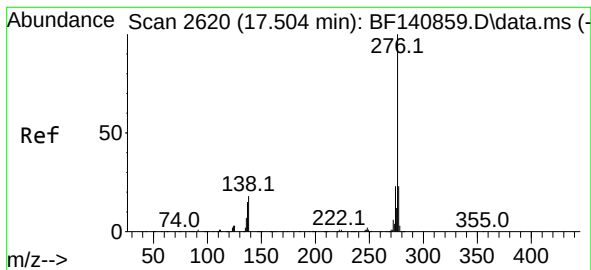
Ion Ratio Lower Upper

278 100

139 31.5 10.6 16.0#

279 37.3 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 7.830 ng

RT: 17.527 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF140937.D

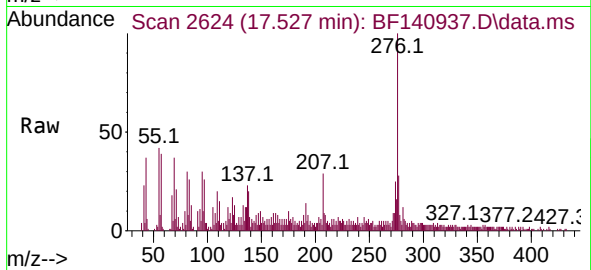
Acq: 19 Dec 2024 20:00

Instrument :

BNA_F

ClientSampleId :

TR-06-12182024



Tgt Ion:276 Resp: 32035

Ion Ratio Lower Upper

276 100

277 27.6 18.7 28.1

138 20.1 14.2 21.2

