

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140939.D
 Acq On : 19 Dec 2024 20:52
 Operator : RC/JU
 Sample : P5342-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

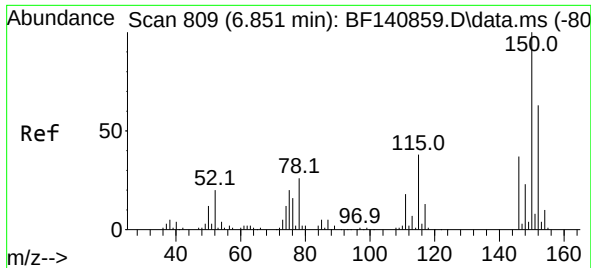
Instrument :
 BNA_F
 ClientSampleId :
 RB21198

Quant Time: Dec 20 00:10:53 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	48341	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	175692	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	78659	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	120869	20.000	ng	# 0.03
76) Chrysene-d12	14.068	240	93204	20.000	ng	# 0.04
86) Perylene-d12	15.580	264	79294	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	289706	98.655	ng	0.00
7) Phenol-d6	6.504	99	397210	102.124	ng	0.00
23) Nitrobenzene-d5	7.416	82	211259	60.159	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	84088	90.387	ng	0.02
45) 2-Fluorobiphenyl	9.204	172	345806	60.442	ng	0.00
79) Terphenyl-d14	12.998	244	343191	58.063	ng	0.04
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	28615	12.265	ng	# 75
25) Isophorone	7.416	82	211258	35.904	ng	# 65
35) Caprolactam	8.563	113	2993	3.763	ng	# 1
48) 2-Nitroaniline	9.345	65	3754	2.598	ng	# 71
50) Dimethylphthalate	9.569	163	11775	2.123	ng	# 24
51) 2,6-Dinitrotoluene	9.639	165	27312	21.543	ng	# 25
53) 3-Nitroaniline	9.869	138	6550	5.206	ng	# 15
54) 2,4-Dinitrophenol	9.922	184	121	6.721	ng	# 1
56) 4-Nitrophenol	10.010	139	6607	13.662	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	11855	7.107	ng	# 22
59) 2,3,4,6-Tetrachlorophenol	10.169	232	4275	3.224	ng	# 51
60) Diethylphthalate	10.304	149	28352	4.930	ng	# 34
61) 4-Chlorophenyl-phenyle...	10.451	204	11262	3.904	ng	# 30
62) 4-Nitroaniline	10.351	138	24861	18.909	ng	# 89
67) 4-Bromophenyl-phenylether	10.933	248	10887	8.051	ng	# 1
70) Pentachlorophenol	11.233	266	3303	5.893	ng	# 1
71) Phenanthrene	11.433	178	12891	2.074	ng	# 1
74) Di-n-butylphthalate	11.951	149	28033	3.984	ng	# 32
84) Bis(2-ethylhexyl)phtha...	14.015	149	83911	21.339	ng	# 91
89) Benzo(k)fluoranthene	15.145	252	9618	2.037	ng	# 1

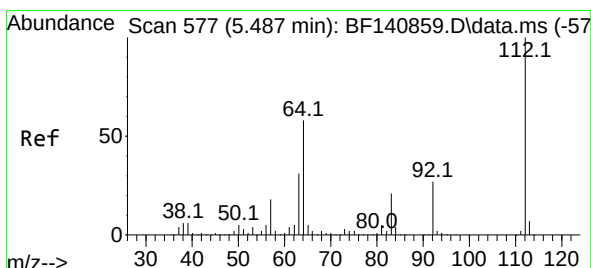
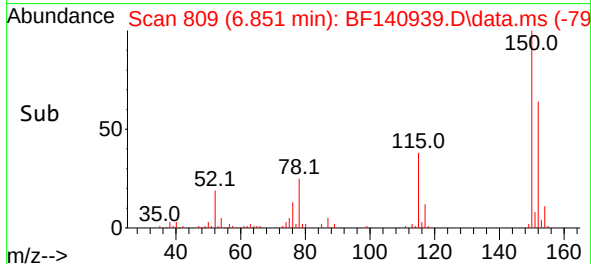
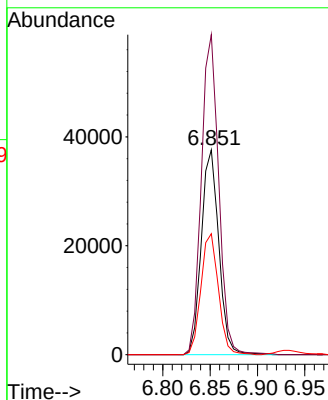
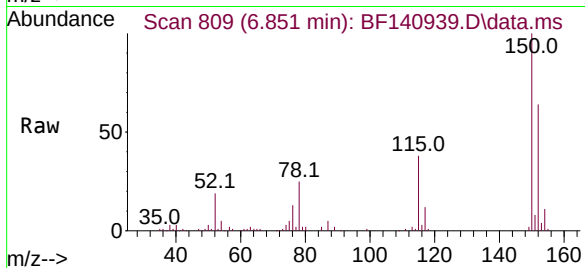
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140939.D
 Acq: 19 Dec 2024 20:52

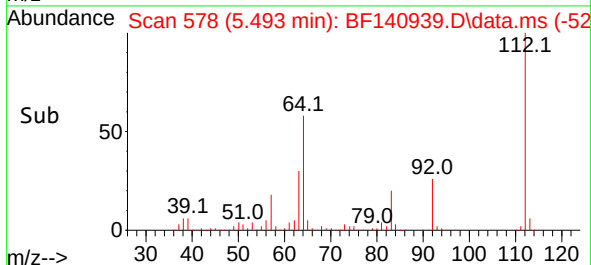
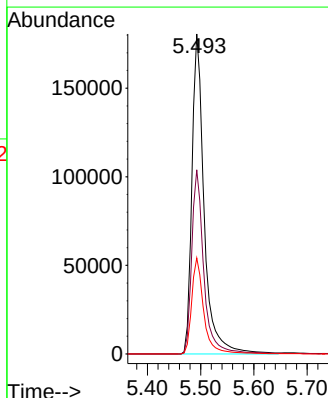
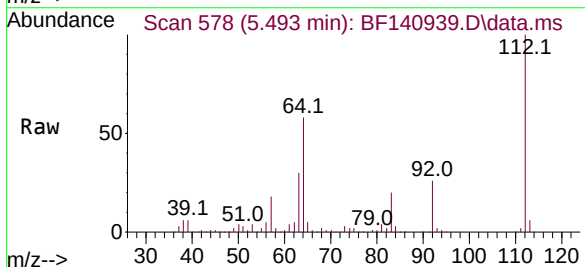
Instrument :
 BNA_F
 ClientSampleId :
 RB21198

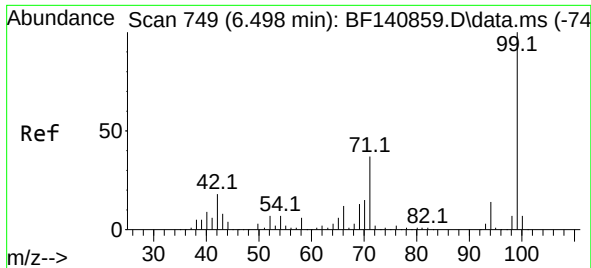
Tgt Ion:152 Resp: 48341
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.9 191.9
 115 59.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 98.655 ng
 RT: 5.493 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF140939.D
 Acq: 19 Dec 2024 20:52

Tgt Ion:112 Resp: 289706
 Ion Ratio Lower Upper
 112 100
 64 57.6 46.1 69.1
 63 30.0 24.9 37.3





#7

Phenol-d6

Concen: 102.124 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

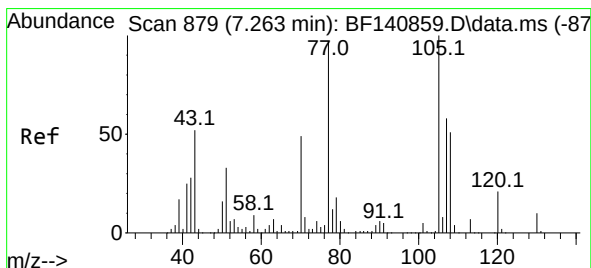
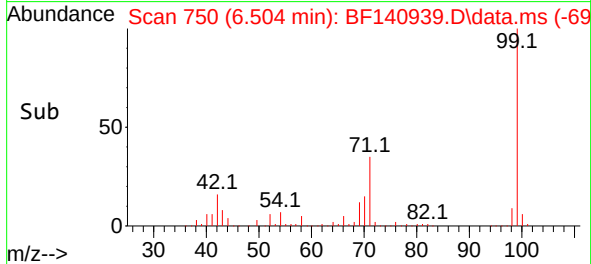
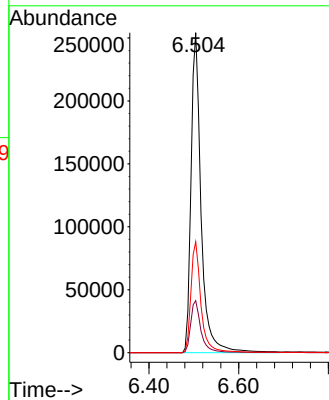
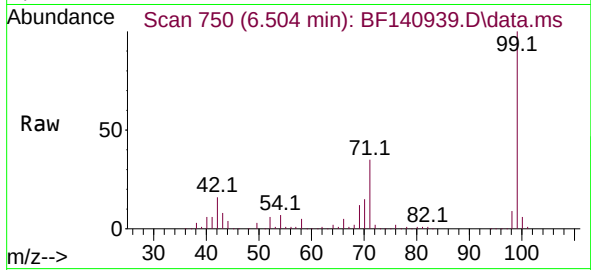
Tgt Ion: 99 Resp: 397210

Ion Ratio Lower Upper

99 100

42 16.3 14.3 21.5

71 34.7 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.265 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.153 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Tgt Ion: 70 Resp: 28615

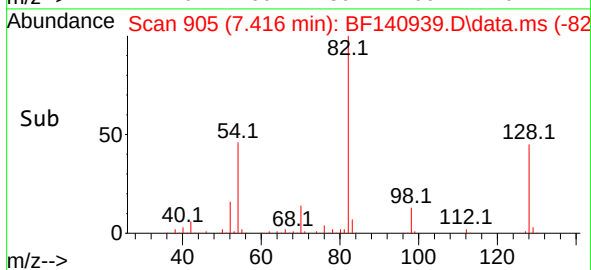
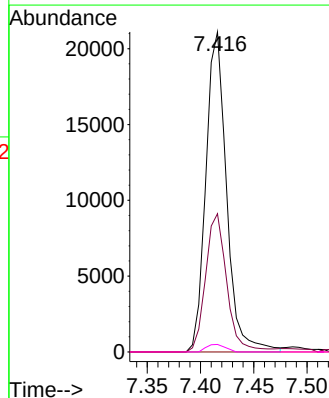
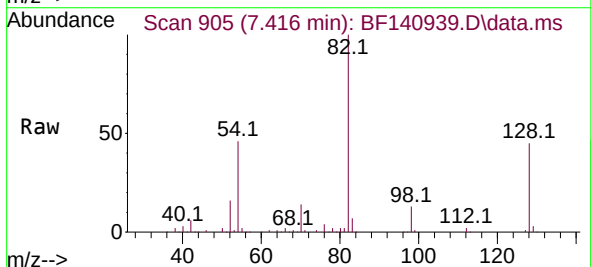
Ion Ratio Lower Upper

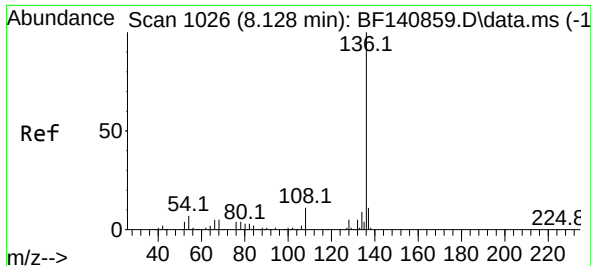
70 100

42 43.2 45.3 67.9#

101 0.0 8.0 12.0#

130 2.3 16.9 25.3#



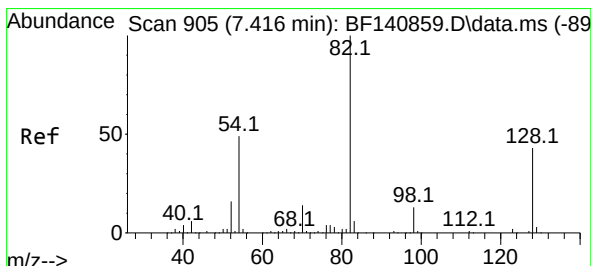
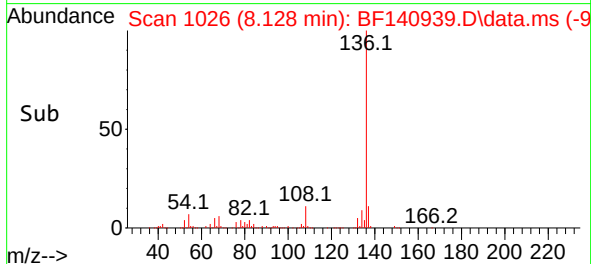
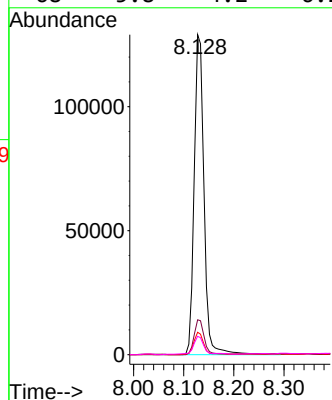
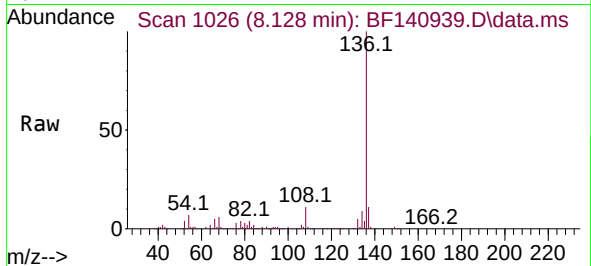


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Instrument :
BNA_F
ClientSampleId :
RB21198

Tgt Ion:136 Resp: 175692

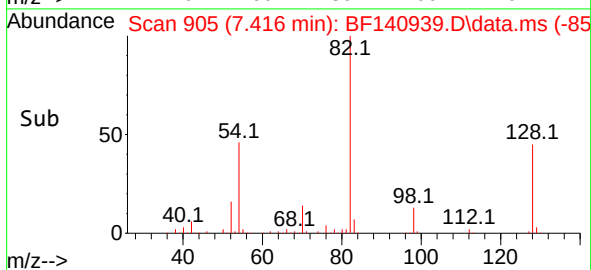
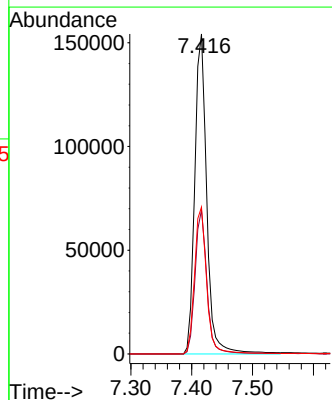
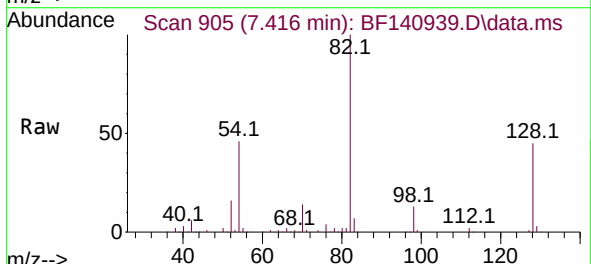
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.0	5.6	8.4
68	5.8	4.2	6.2

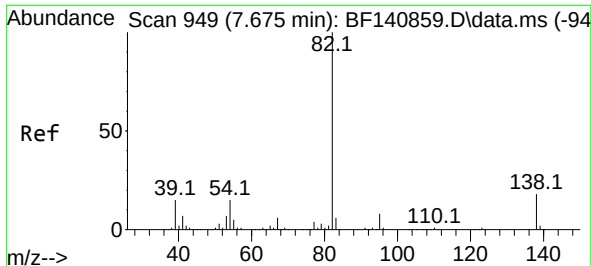


#23
Nitrobenzene-d5
Concen: 60.159 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion: 82 Resp: 211259

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.4	51.6
54	45.9	38.8	58.2

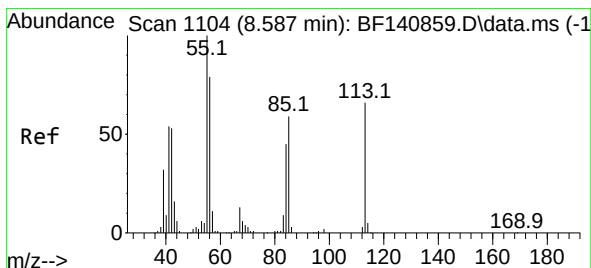
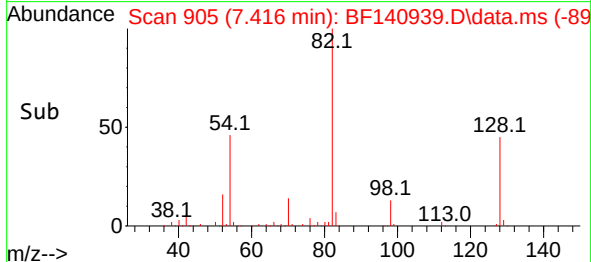
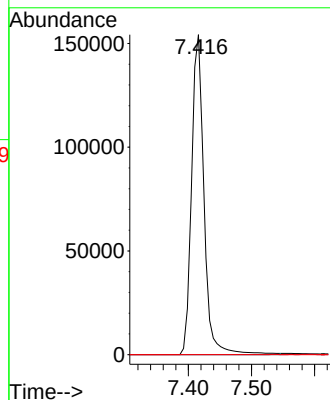
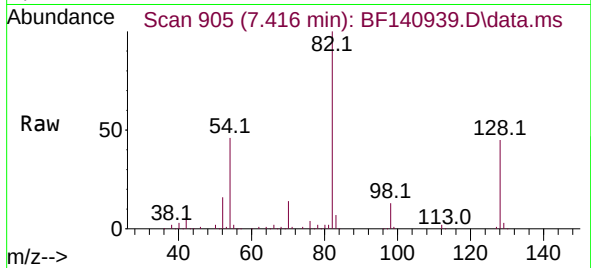




#25
Isophorone
Concen: 35.904 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

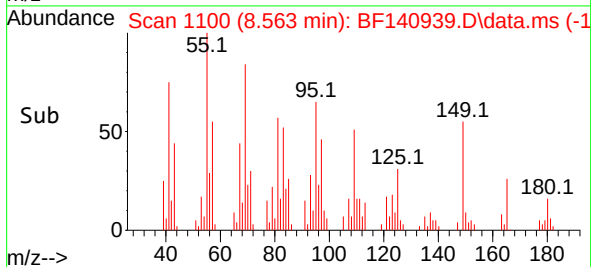
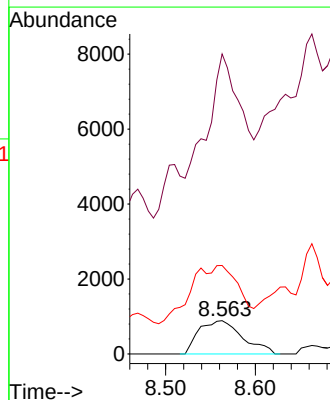
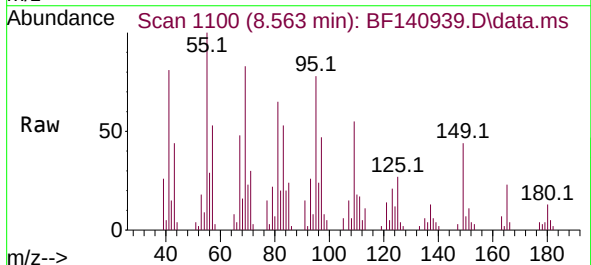
Instrument :
BNA_F
ClientSampleId :
RB21198

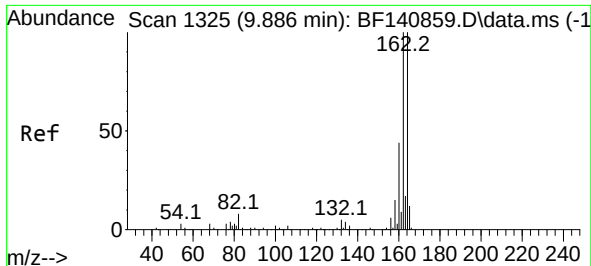
Tgt Ion: 82 Resp: 211258
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#35
Caprolactam
Concen: 3.763 ng
RT: 8.563 min Scan# 1100
Delta R.T. -0.024 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion: 113 Resp: 2993
Ion Ratio Lower Upper
113 100
55 902.7 132.3 172.3#
56 266.3 100.3 140.3#

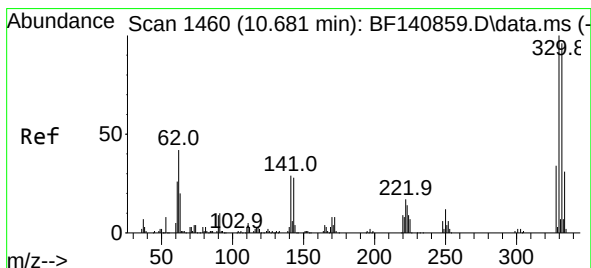
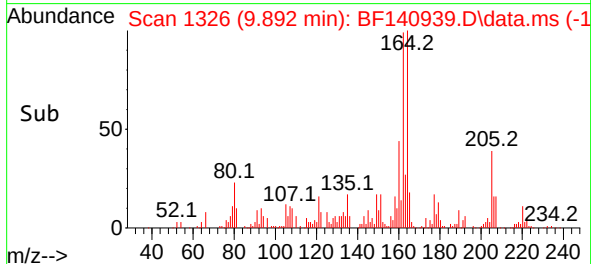
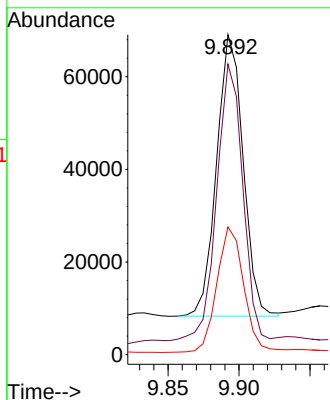
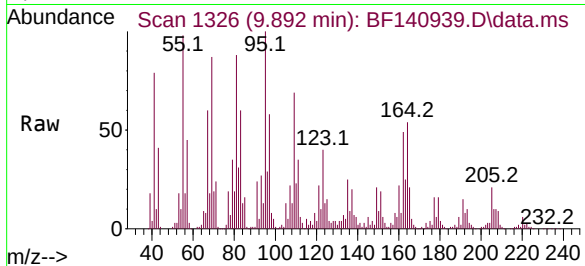




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

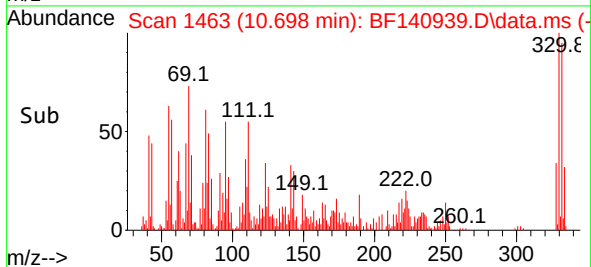
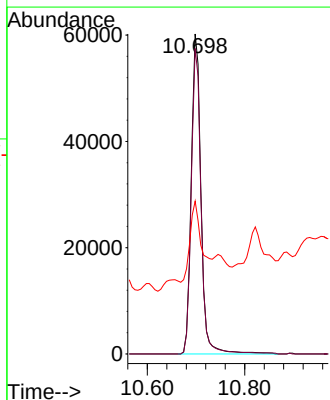
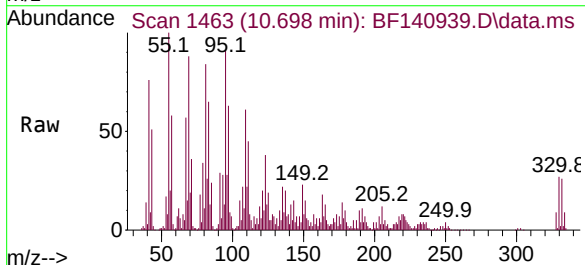
Instrument :
BNA_F
ClientSampleId :
RB21198

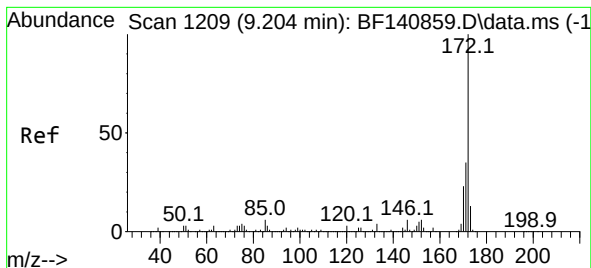
Tgt Ion:164 Resp: 78659
Ion Ratio Lower Upper
164 100
162 90.8 79.9 119.9
160 40.0 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 90.387 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.018 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion:330 Resp: 84088
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 31.6 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 60.442 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

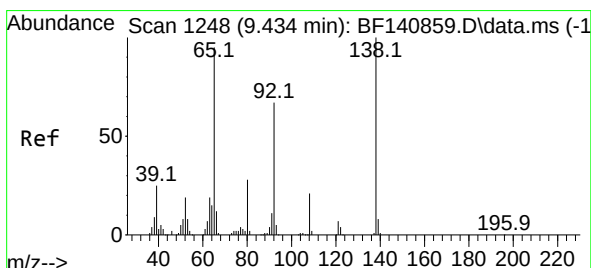
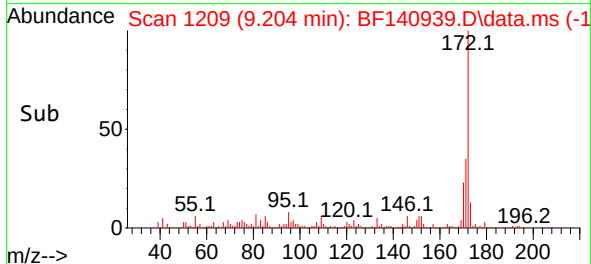
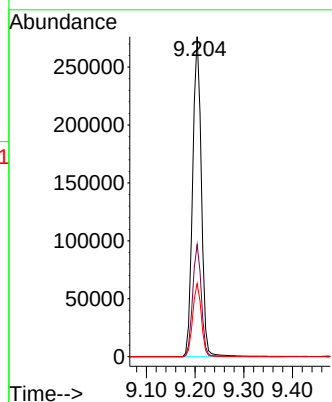
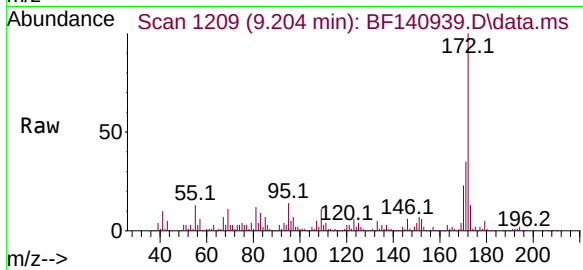
Tgt Ion:172 Resp: 345806

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 22.8 18.6 28.0



#48

2-Nitroaniline

Concen: 2.598 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.088 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

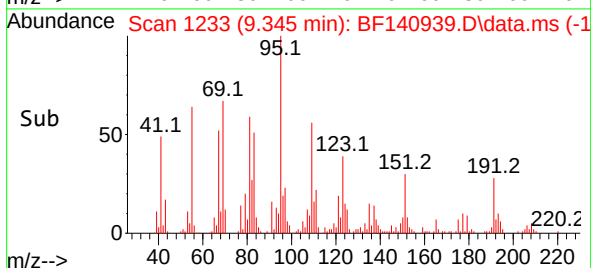
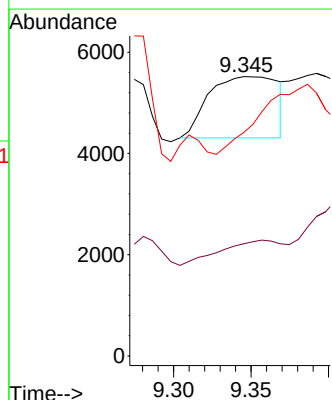
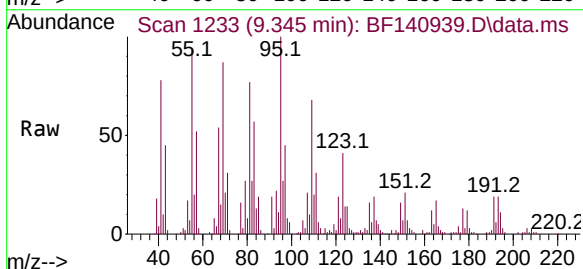
Tgt Ion: 65 Resp: 3754

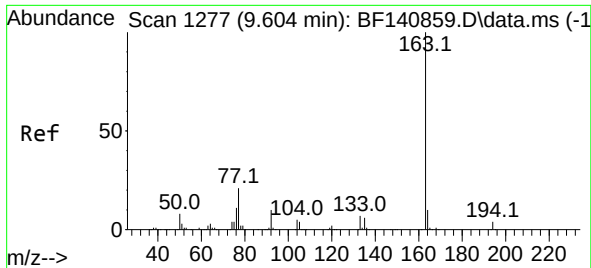
Ion Ratio Lower Upper

65 100

92 40.1 56.3 84.5#

138 80.0 83.8 125.6#

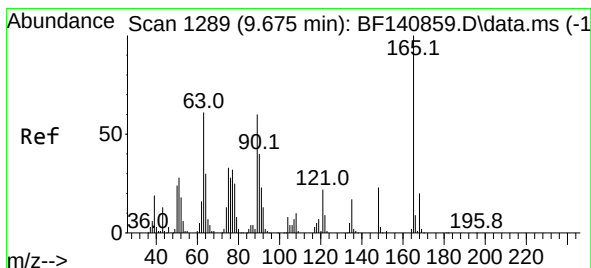
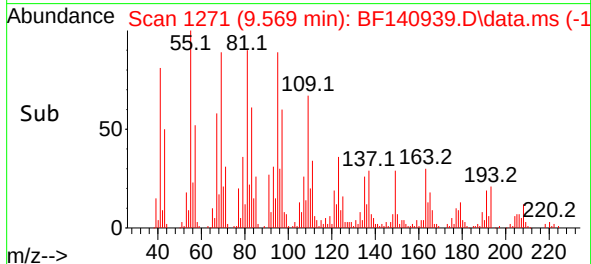
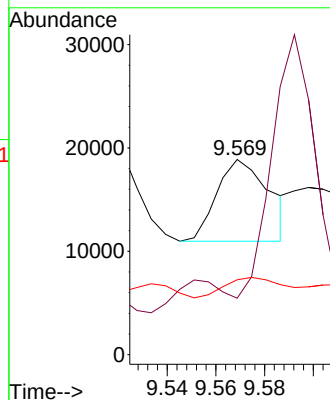
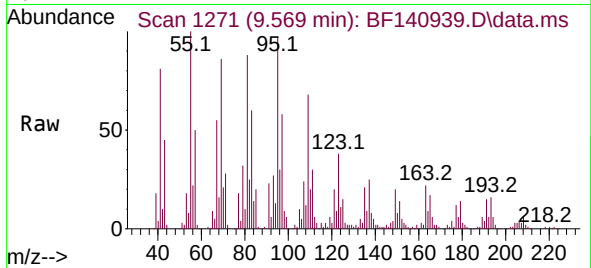




#50
Dimethylphthalate
Concen: 2.123 ng
RT: 9.569 min Scan# 11775
Delta R.T. -0.035 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

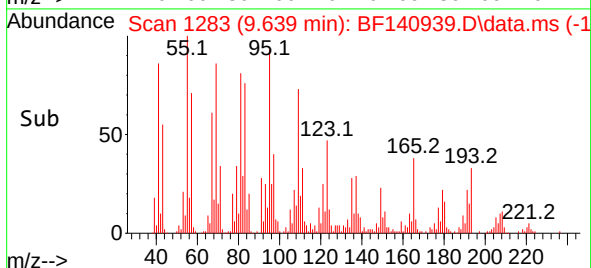
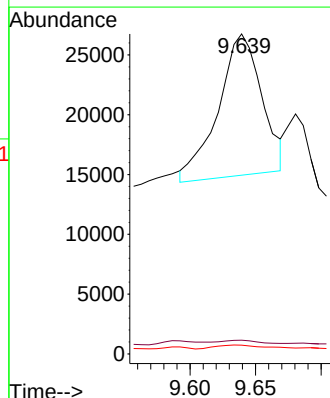
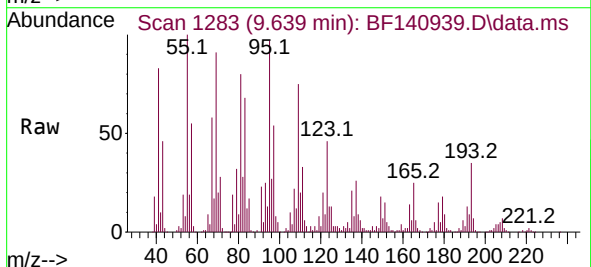
Instrument :
BNA_F
ClientSampleId :
RB21198

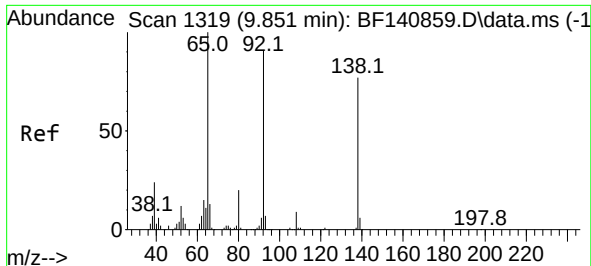
Tgt Ion:163 Resp: 11775
Ion Ratio Lower Upper
163 100
194 28.9 3.1 4.7#
164 38.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 21.543 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.035 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion:165 Resp: 27312
Ion Ratio Lower Upper
165 100
63 4.3 49.7 74.5#
89 2.8 48.2 72.4#

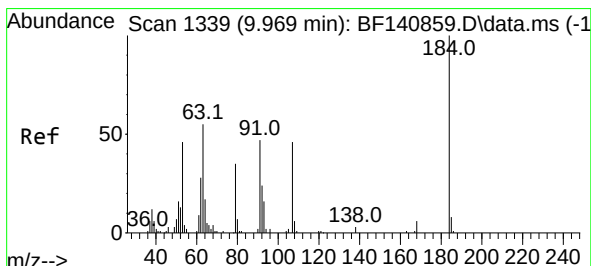
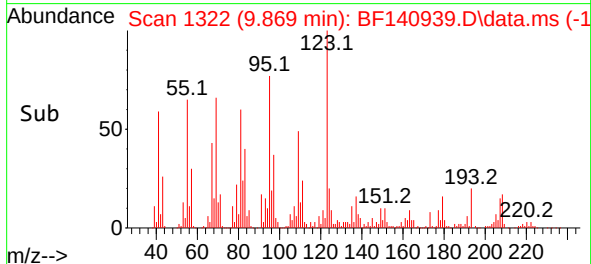
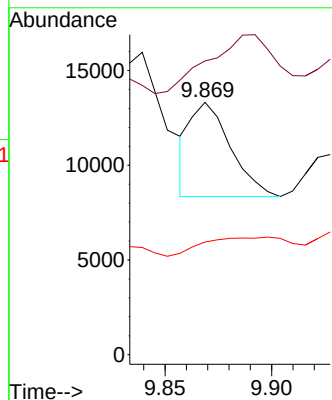
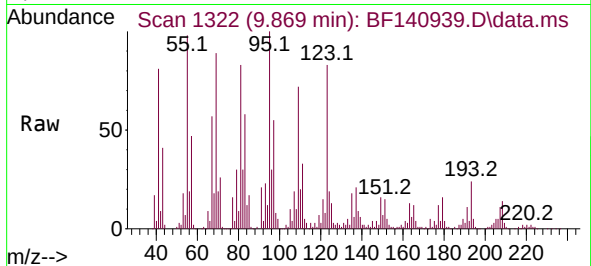




#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

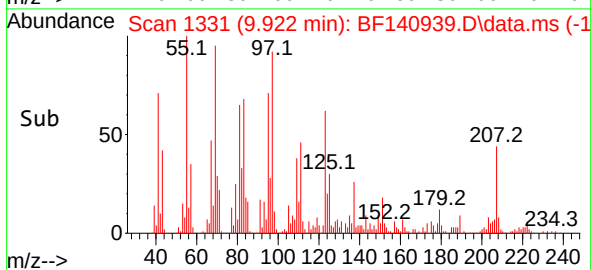
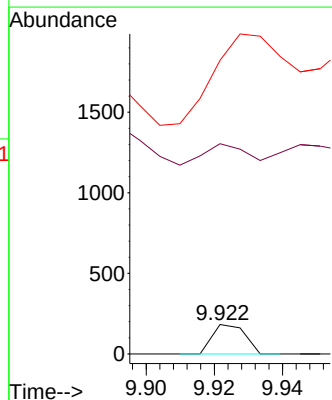
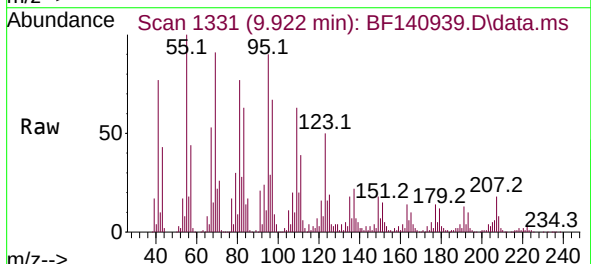
Instrument :
BNA_F
ClientSampleId :
RB21198

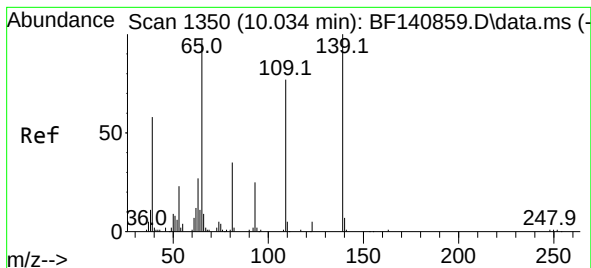
Tgt Ion:138 Resp: 6550
Ion Ratio Lower Upper
138 100
108 116.4 9.0 13.4#
92 44.6 95.5 143.3#



#54
2,4-Dinitrophenol
Concen: 6.721 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.047 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 717.0 51.6 77.4#
154 1001.1 56.1 84.1#

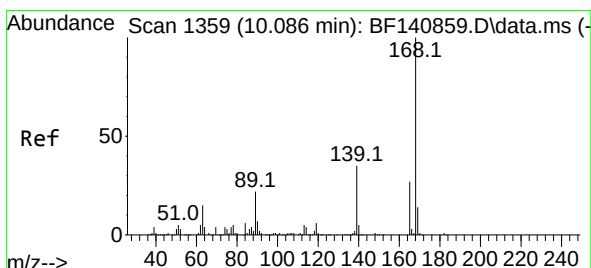
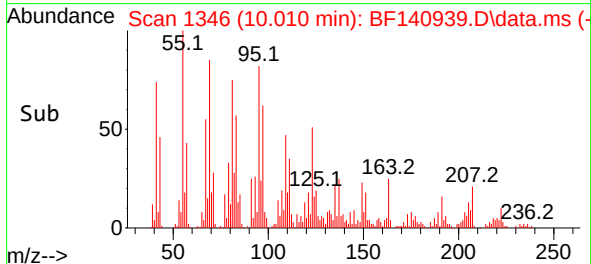
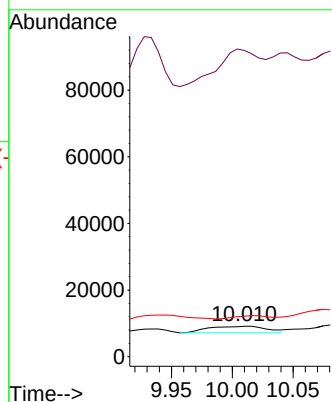
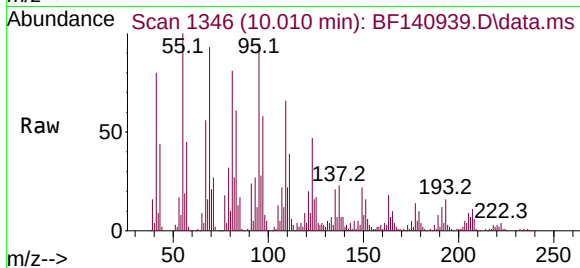




#56
4-Nitrophenol
Concen: 13.662 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

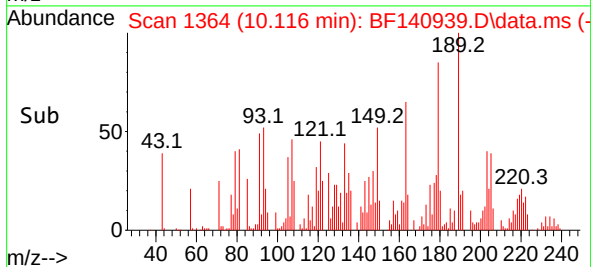
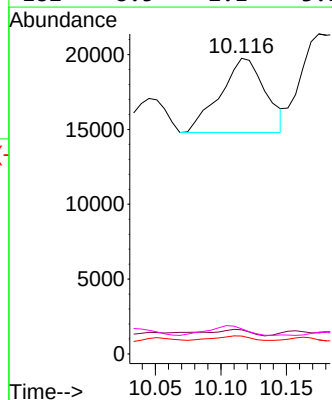
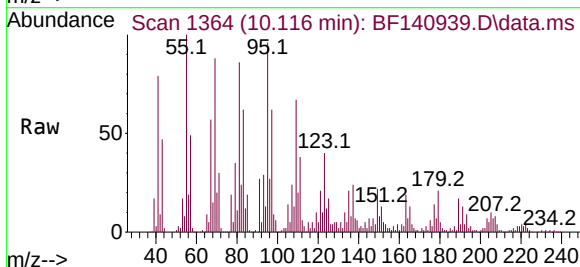
Instrument :
BNA_F
ClientSampleId :
RB21198

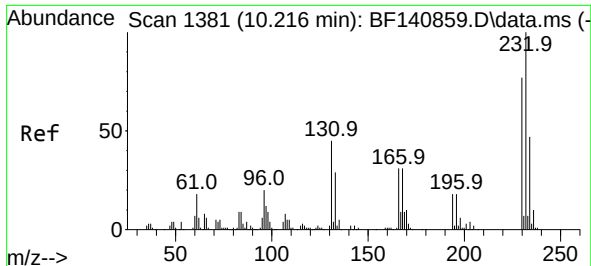
Tgt Ion:139 Resp: 6607
Ion Ratio Lower Upper
139 100
109 1004.7 56.7 96.7#
65 132.9 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 7.107 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.029 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion:165 Resp: 11855
Ion Ratio Lower Upper
165 100
63 8.2 49.3 73.9#
89 6.1 66.2 99.4#
182 8.5 2.1 3.1#





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.224 ng

RT: 10.169 min Scan# 1373

Delta R.T. -0.047 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

Tgt Ion:232 Resp: 4275

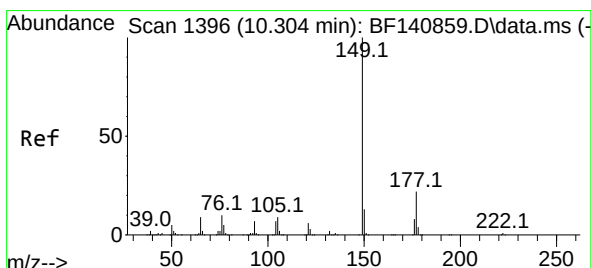
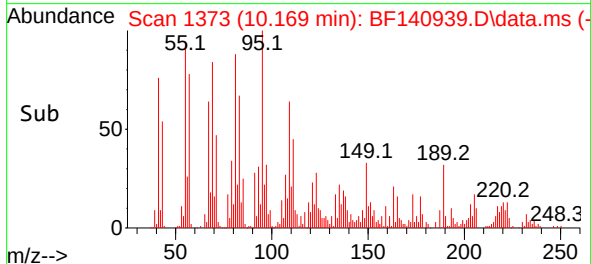
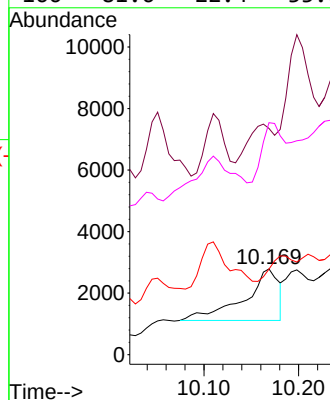
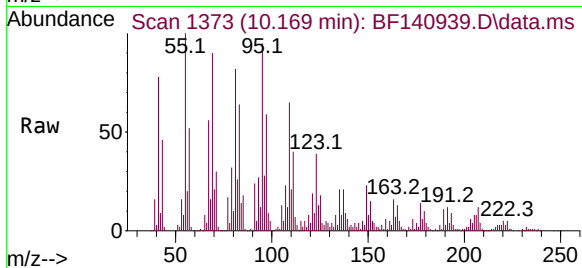
Ion Ratio Lower Upper

232 100

131 52.5 35.1 52.7

130 34.6 1.8 2.8#

166 81.6 22.4 33.6#



#60

Diethylphthalate

Concen: 4.930 ng

RT: 10.304 min Scan# 1396

Delta R.T. -0.000 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

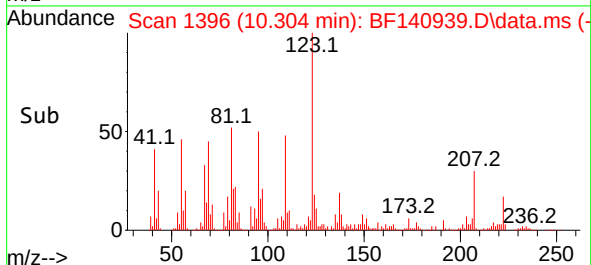
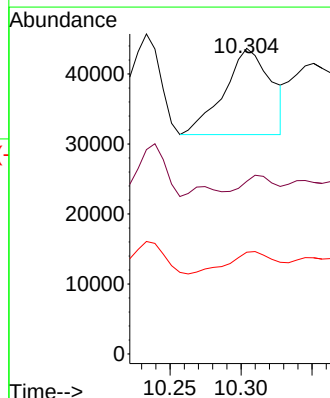
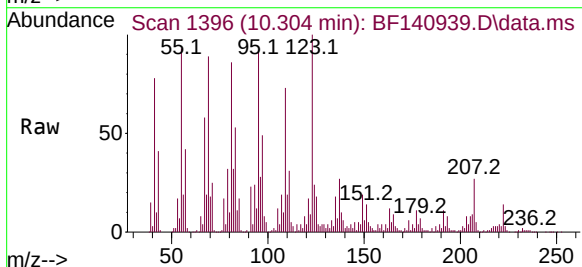
Tgt Ion:149 Resp: 28352

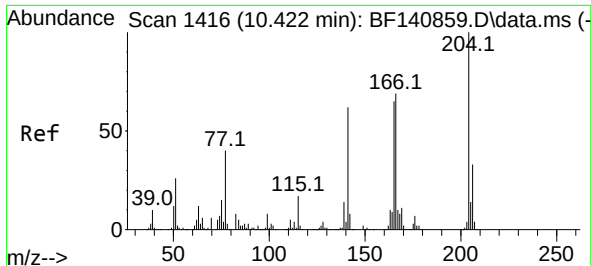
Ion Ratio Lower Upper

149 100

177 56.5 17.2 25.8#

150 33.3 10.1 15.1#

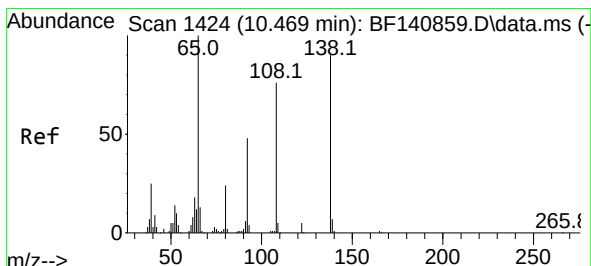
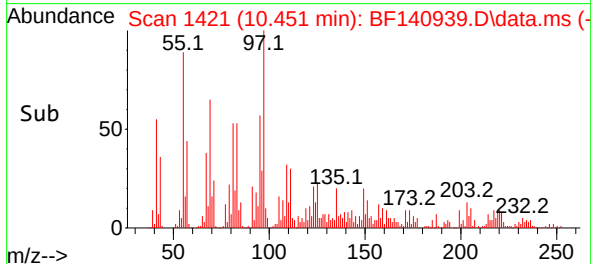
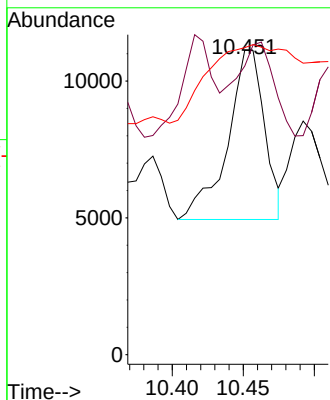
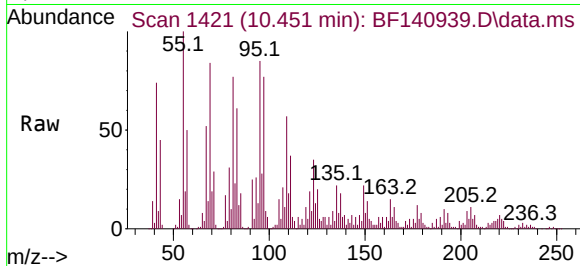




#61
4-Chlorophenyl-phenylether
Concen: 3.904 ng
RT: 10.451 min Scan# 1416
Delta R.T. 0.029 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

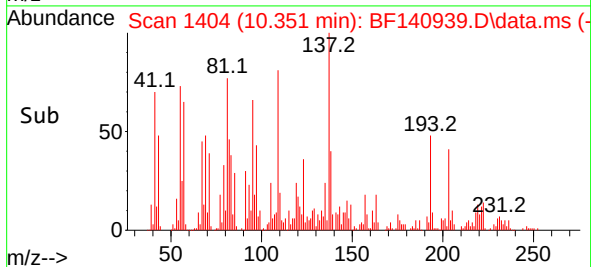
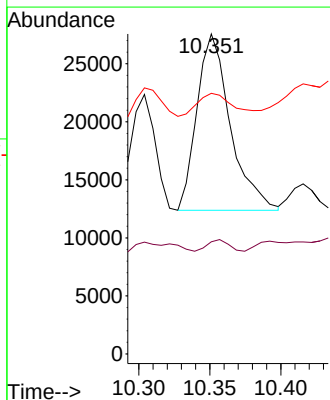
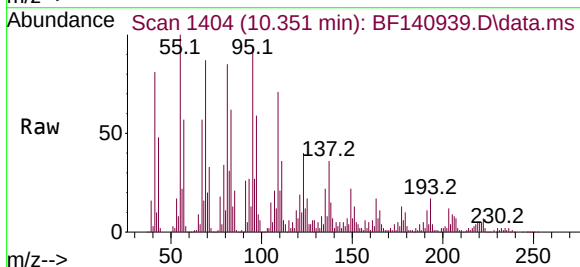
Instrument :
BNA_F
ClientSampleId :
RB21198

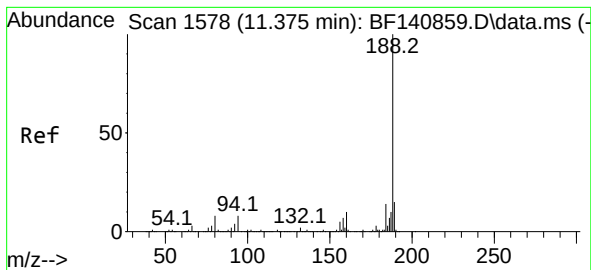
Tgt Ion:204 Resp: 11262
Ion Ratio Lower Upper
204 100
206 94.8 26.5 39.7#
141 100.8 50.0 75.0#



#62
4-Nitroaniline
Concen: 18.909 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.118 min
Lab File: BF140939.D
Acq: 19 Dec 2024 20:52

Tgt Ion:138 Resp: 24861
Ion Ratio Lower Upper
138 100
92 35.1 32.6 72.6
108 81.4 64.1 104.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

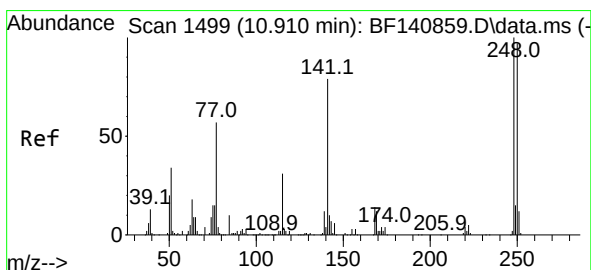
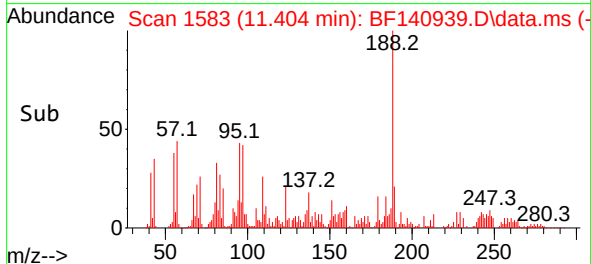
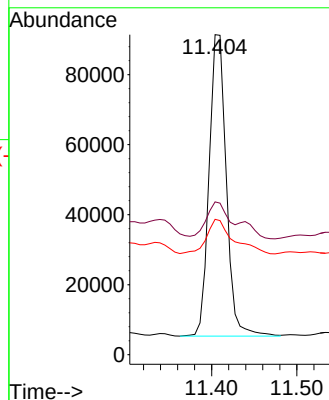
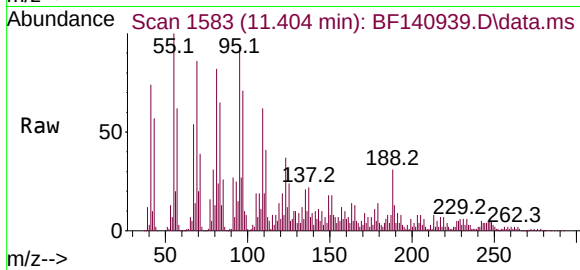
Tgt Ion:188 Resp: 120869

Ion Ratio Lower Upper

188 100

94 47.7 6.4 9.6#

80 42.3 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 8.051 ng

RT: 10.933 min Scan# 1503

Delta R.T. 0.023 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

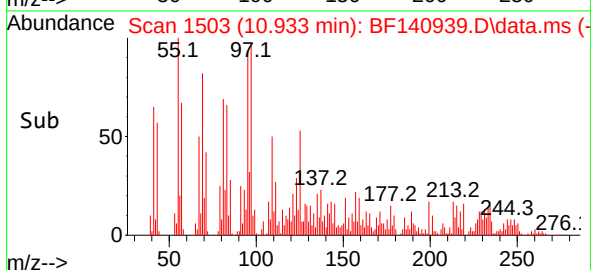
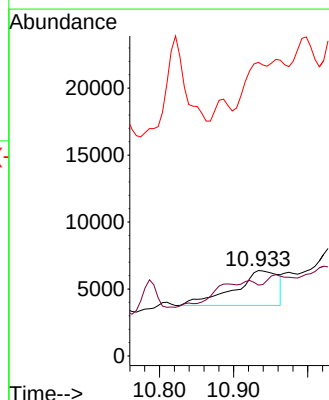
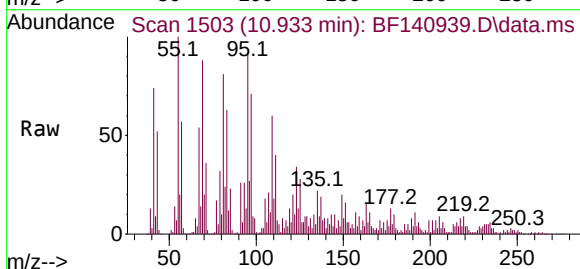
Tgt Ion:248 Resp: 10887

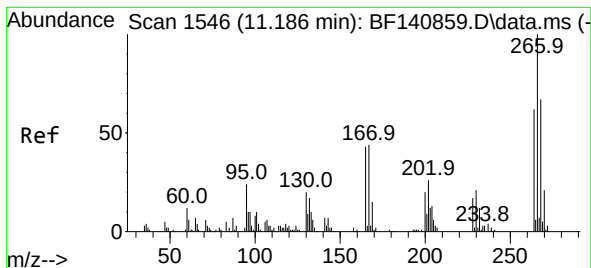
Ion Ratio Lower Upper

248 100

250 83.0 77.4 116.2

141 343.7 62.9 94.3#





#70

Pentachlorophenol

Concen: 5.893 ng

RT: 11.233 min Scan# 1554

Delta R.T. 0.047 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

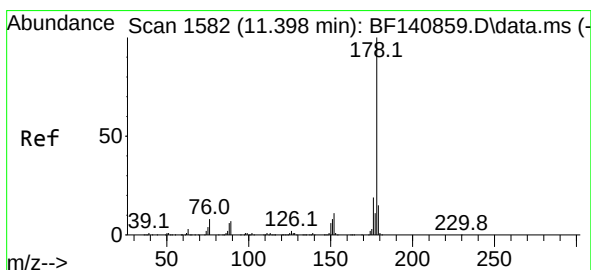
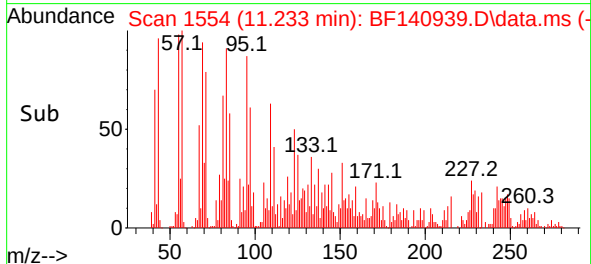
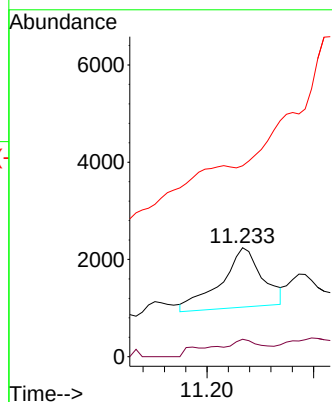
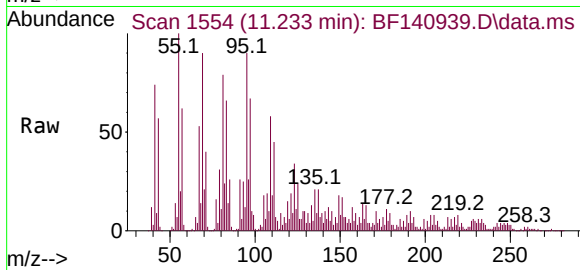
Tgt Ion:266 Resp: 3303

Ion Ratio Lower Upper

266 100

268 16.0 54.0 81.0#

264 175.2 49.4 74.2#



#71

Phenanthrene

Concen: 2.074 ng

RT: 11.433 min Scan# 1588

Delta R.T. 0.035 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

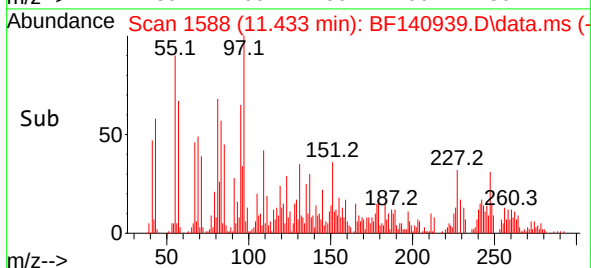
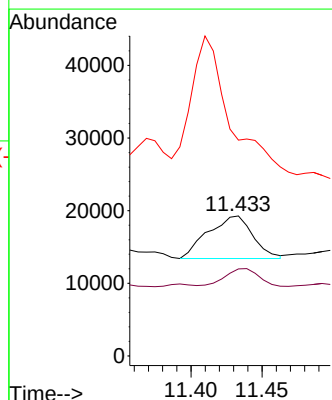
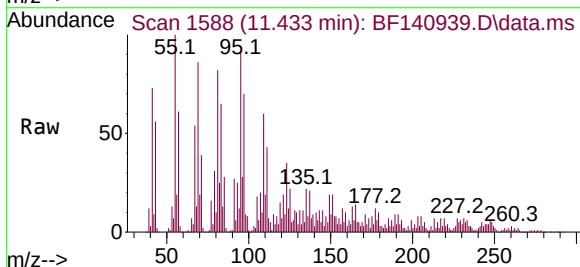
Tgt Ion:178 Resp: 12891

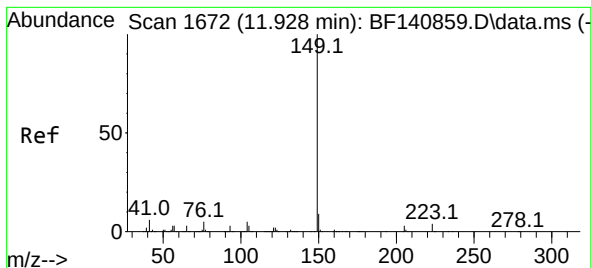
Ion Ratio Lower Upper

178 100

176 62.2 15.4 23.2#

179 154.1 12.1 18.1#





#74

Di-n-butylphthalate

Concen: 3.984 ng

RT: 11.951 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

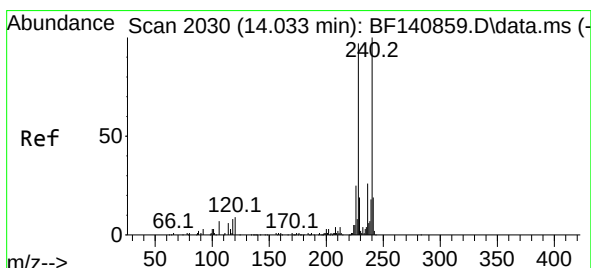
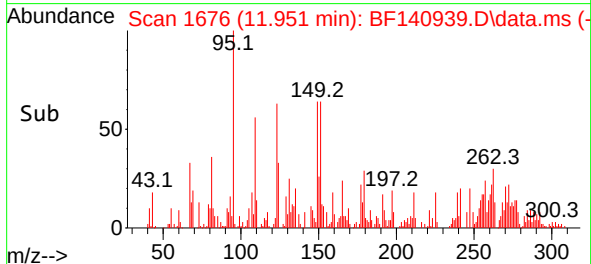
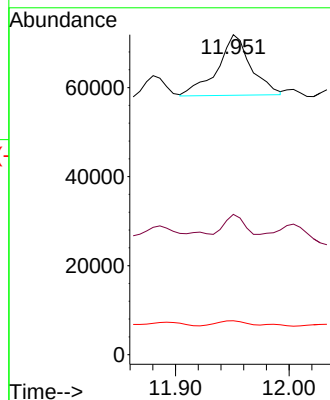
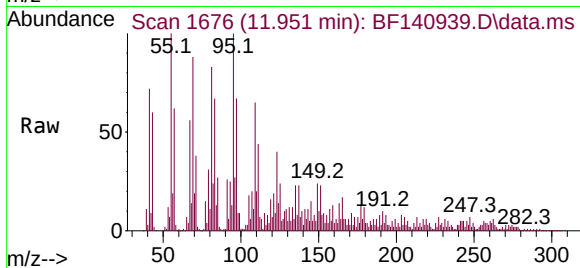
Tgt Ion:149 Resp: 28033

Ion Ratio Lower Upper

149 100

150 43.8 7.5 11.3#

104 10.6 3.8 5.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.035 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

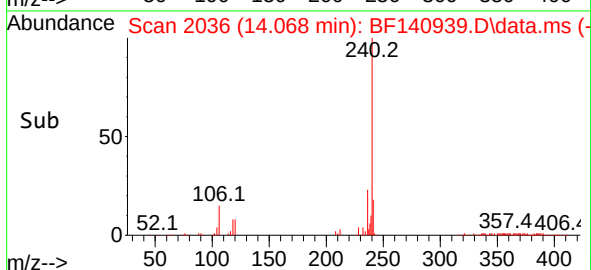
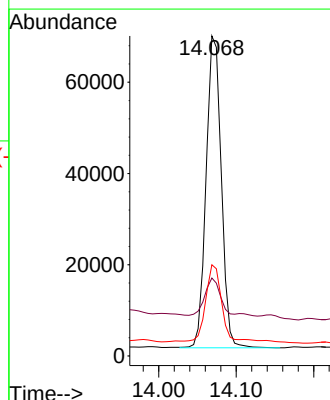
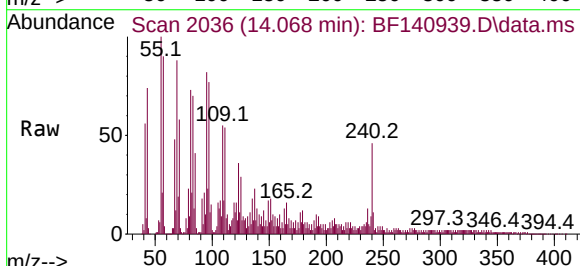
Tgt Ion:240 Resp: 93204

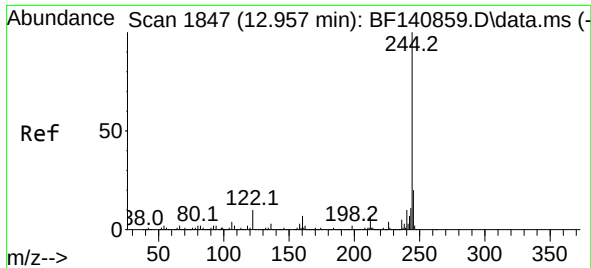
Ion Ratio Lower Upper

240 100

120 24.3 7.6 11.4#

236 28.5 20.5 30.7

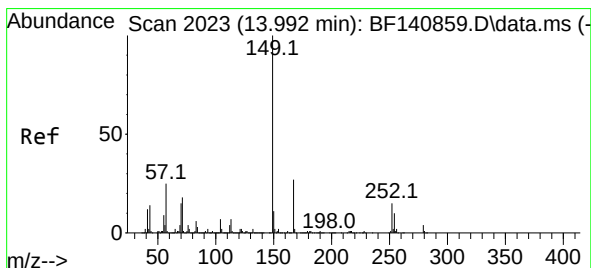
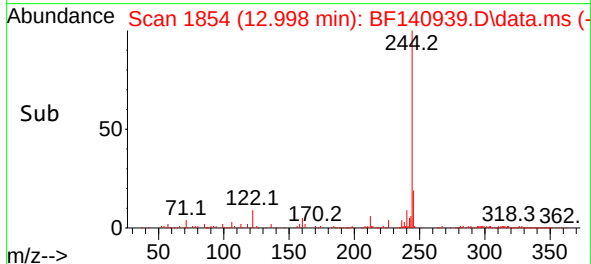
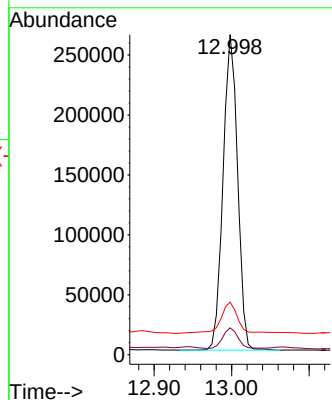
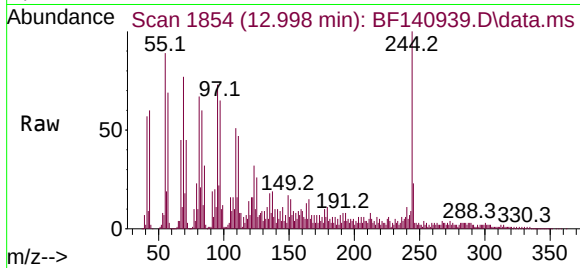




#79
 Terphenyl-d14
 Concen: 58.063 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.041 min
 Lab File: BF140939.D
 Acq: 19 Dec 2024 20:52

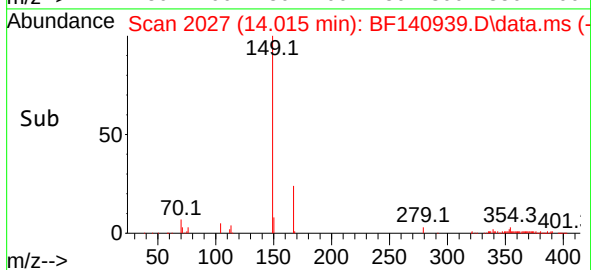
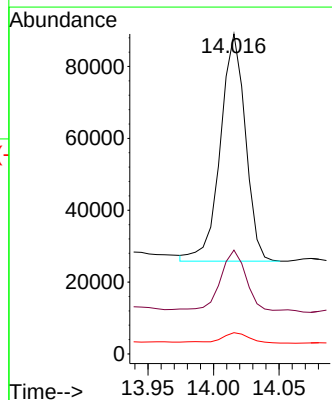
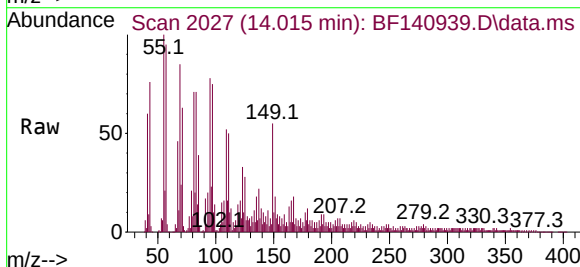
Instrument :
 BNA_F
 ClientSampleId :
 RB21198

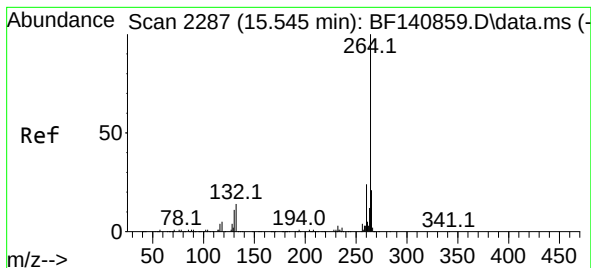
Tgt Ion:244 Resp: 343191
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.6 8.4#
 122 16.4 8.2 12.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 21.339 ng
 RT: 14.015 min Scan# 2027
 Delta R.T. 0.023 min
 Lab File: BF140939.D
 Acq: 19 Dec 2024 20:52

Tgt Ion:149 Resp: 83911
 Ion Ratio Lower Upper
 149 100
 167 32.4 21.8 32.8
 279 6.6 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Instrument :

BNA_F

ClientSampleId :

RB21198

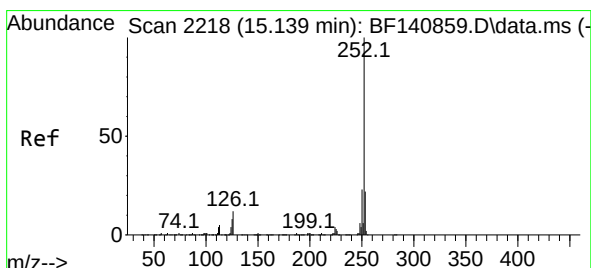
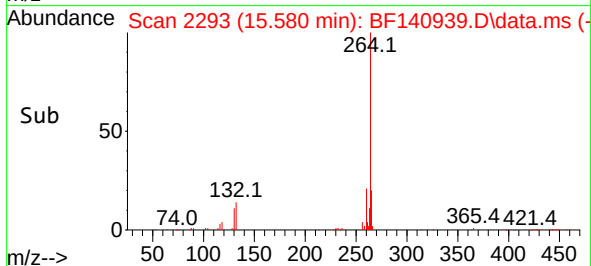
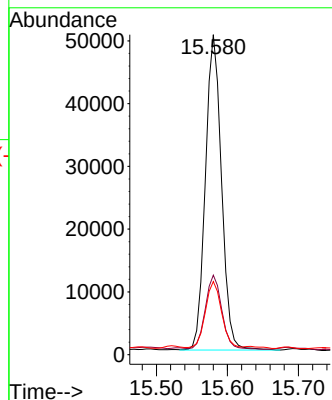
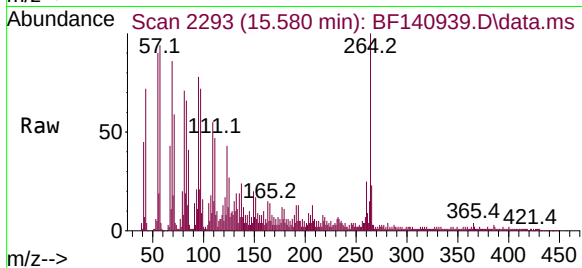
Tgt Ion:264 Resp: 79294

Ion Ratio Lower Upper

264 100

260 24.9 19.1 28.7

265 22.8 17.0 25.4



#89

Benzo(k)fluoranthene

Concen: 2.037 ng

RT: 15.145 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF140939.D

Acq: 19 Dec 2024 20:52

Tgt Ion:252 Resp: 9618

Ion Ratio Lower Upper

252 100

253 84.8 17.5 26.3#

125 400.1 6.8 10.2#

