

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143252.D
 Acq On : 25 Jul 2025 15:48
 Operator : RC/JU
 Sample : Q2688-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOM-81

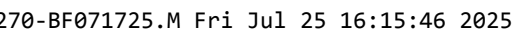
Quant Time: Jul 25 16:15:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	107920	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	397387	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	146881	20.000	ng	0.01
64) Phenanthrene-d10	11.533	188	152034	20.000	ng	# 0.05
76) Chrysene-d12	14.145	240	232167	20.000	ng	0.02
86) Perylene-d12	15.639	264	261501	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	71110	10.427	ng	0.00
7) Phenol-d6	6.575	99	90951	10.596	ng	-0.01
23) Nitrobenzene-d5	7.510	82	55763	6.995	ng	-0.01
42) 2,4,6-Tribromophenol	10.810	330	14998	9.884	ng	0.02
45) 2-Fluorobiphenyl	9.316	172	102748	9.567	ng	0.00
79) Terphenyl-d14	13.098	244	77798	4.987	ng	0.03
Target Compounds						Qvalue
25) Isophorone	7.510	82	54559	3.877	ng	# 67
30) 1,2,4-Trichlorobenzene	8.180	180	19118	3.191	ng	97
32) Benzoic acid	7.904	122	327	5.257	ng	# 30
51) 2,6-Dinitrotoluene	9.810	165	14246	7.314	ng	# 36
53) 3-Nitroaniline	9.969	138	22757	9.989	ng	# 19
54) 2,4-Dinitrophenol	10.133	184	996	7.698	ng	# 1
56) 4-Nitrophenol	10.116	139	6983	4.105	ng	# 1
58) Fluorene	10.569	166	20452	2.185	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.586	204	14355	3.080	ng	# 1
62) 4-Nitroaniline	10.486	138	54384	27.854	ng	76
65) 4,6-Dinitro-2-methylph...	10.639	198	3861	9.711	ng	# 1
66) n-Nitrosodiphenylamine	10.692	169	120209	22.454	ng	# 48
69) Atrazine	11.210	200	4847	3.284	ng	# 1
71) Phenanthrene	11.557	178	140037	17.347	ng	# 40
72) Anthracene	11.657	178	25933	3.150	ng	# 1
74) Di-n-butylphthalate	12.098	149	65439	8.045	ng	# 35
80) Butylbenzylphthalate	13.298	149	17525	2.888	ng	# 42
84) Bis(2-ethylhexyl)phtha...	14.110	149	27206	2.962	ng	# 77

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

Quant Time: Jul 25 16:15:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
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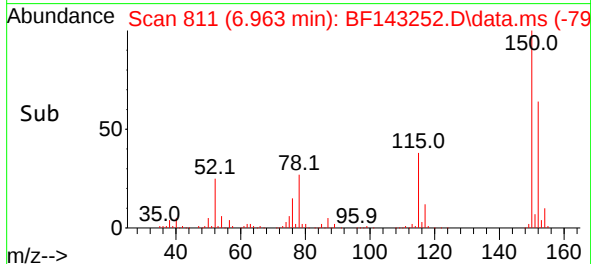
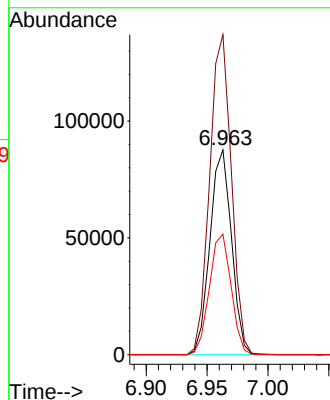
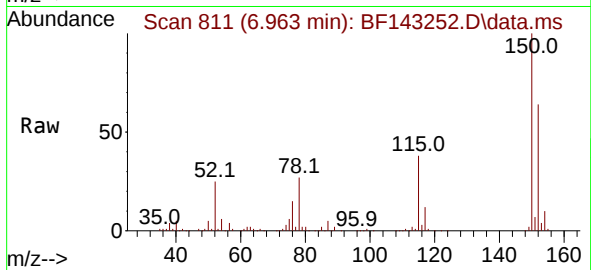




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

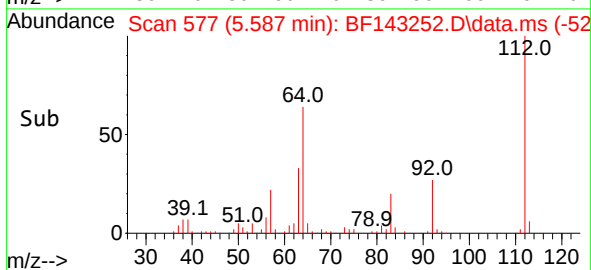
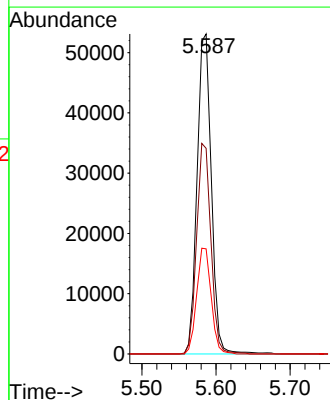
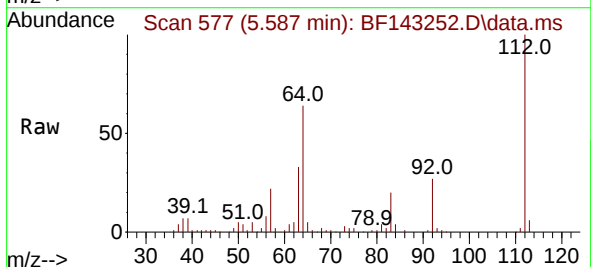
Instrument :
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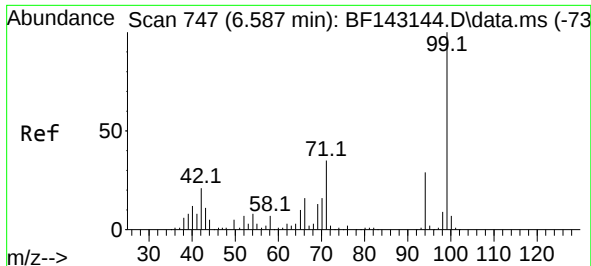
Tgt Ion:152 Resp: 107920
Ion Ratio Lower Upper
152 100
150 156.2 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 10.427 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:112 Resp: 71110
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.9 26.6 40.0

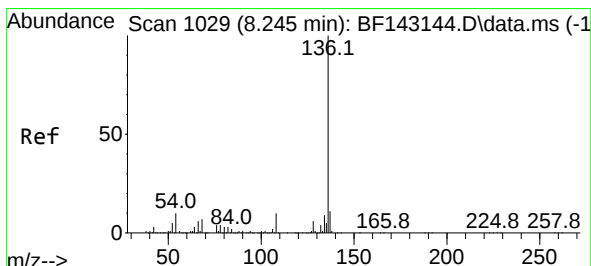
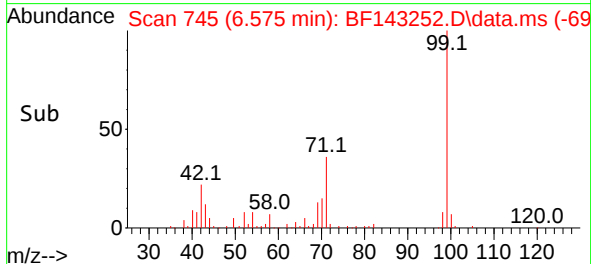
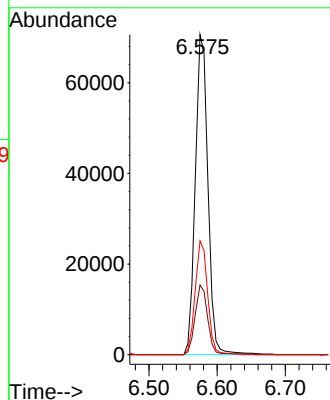
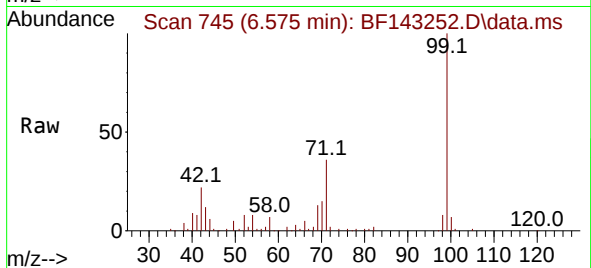




#7
Phenol-d6
Concen: 10.596 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

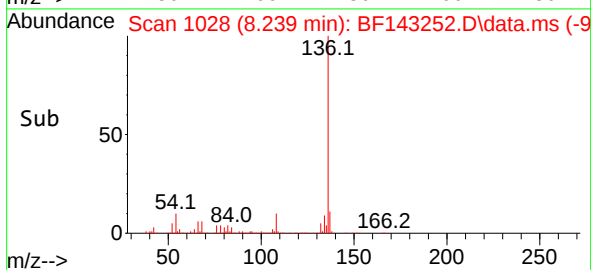
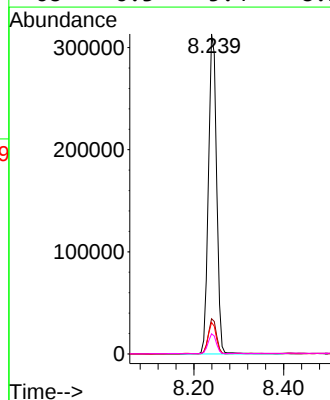
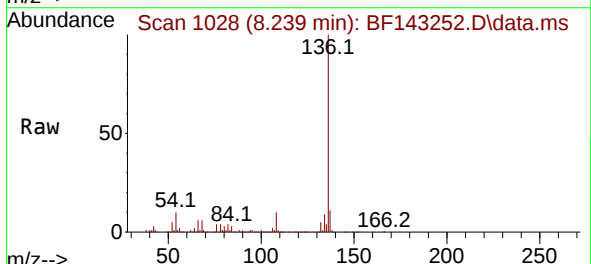
Instrument :
BNA_F
ClientSampleId :
SOM-81

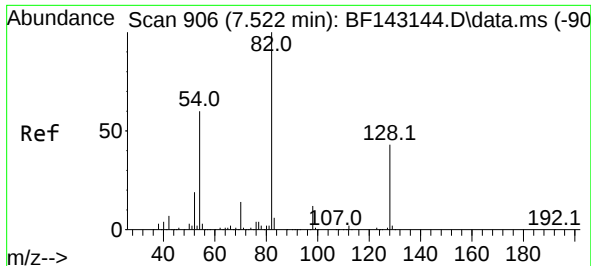
Tgt Ion: 99 Resp: 90951
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 35.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion: 136 Resp: 397387
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.8 8.2 12.2
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 6.995 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

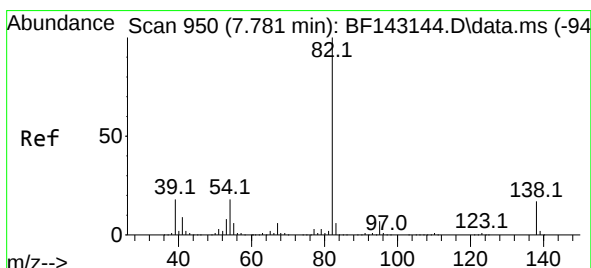
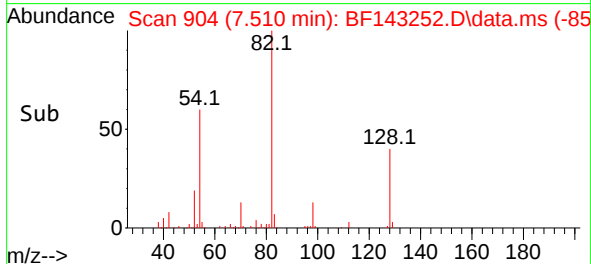
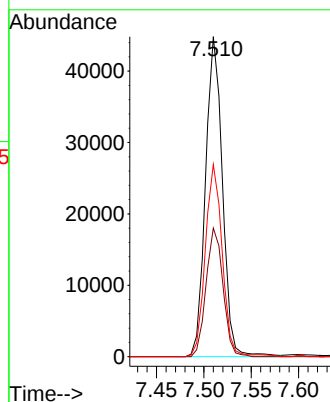
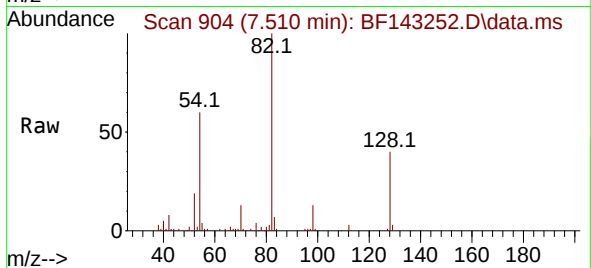
Tgt Ion: 82 Resp: 55763

Ion Ratio Lower Upper

82 100

128 40.2 33.6 50.4

54 60.1 47.1 70.7



#25

Isophorone

Concen: 3.877 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.271 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

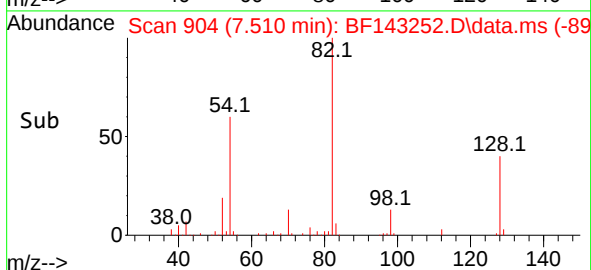
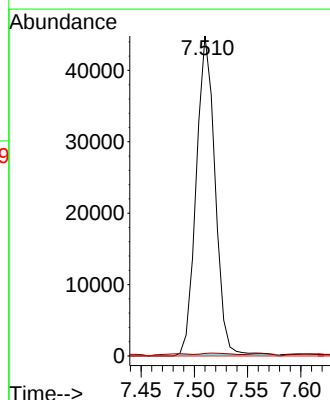
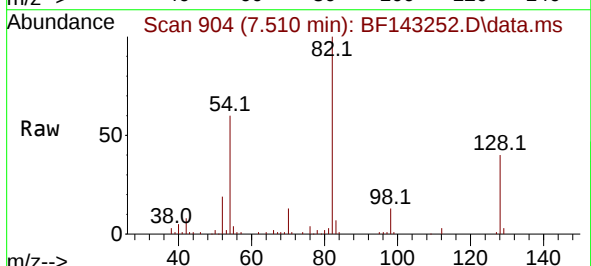
Tgt Ion: 82 Resp: 54559

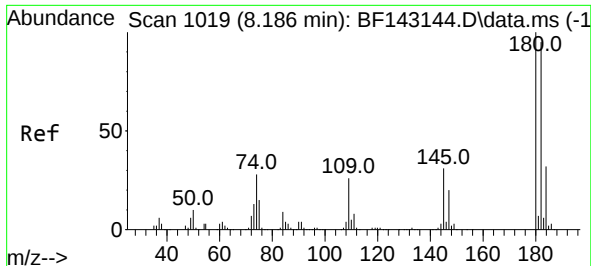
Ion Ratio Lower Upper

82 100

95 0.8 5.5 8.3#

138 0.0 13.8 20.8#

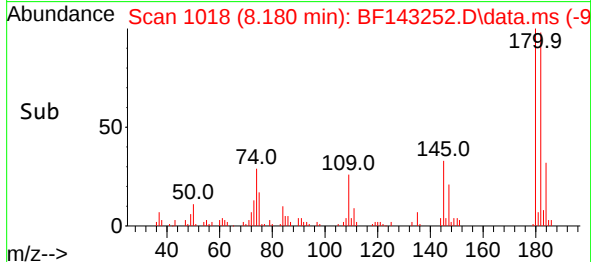
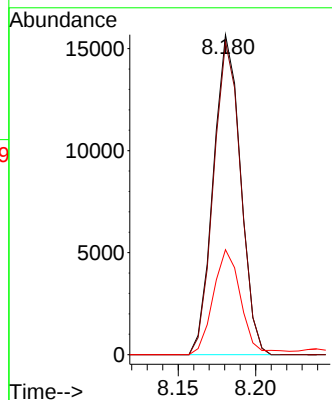
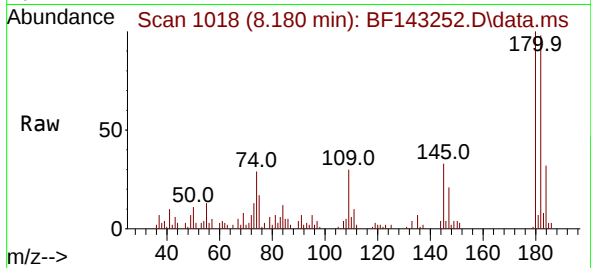




#30
1,2,4-Trichlorobenzene
Concen: 3.191 ng
RT: 8.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

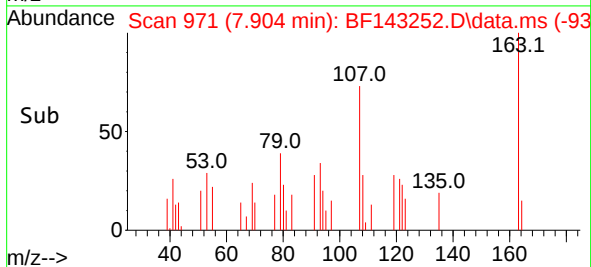
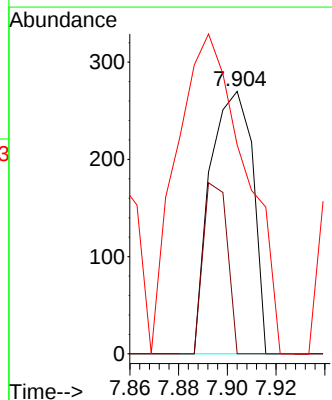
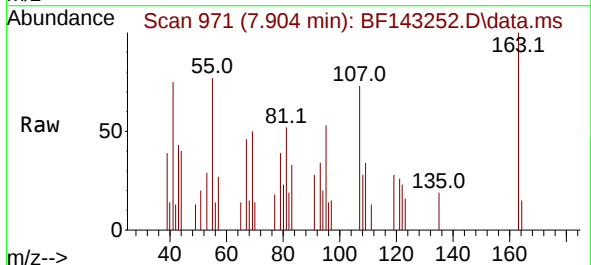
Instrument :
BNA_F
ClientSampleId :
SOM-81

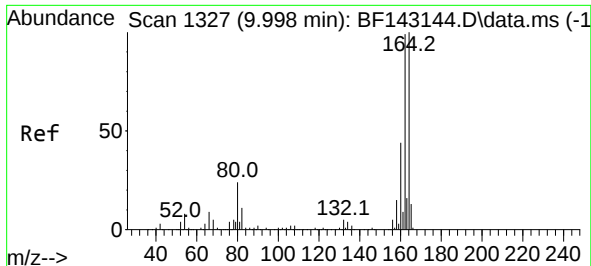
Tgt Ion:180 Resp: 19118
Ion Ratio Lower Upper
180 100
182 97.8 76.2 114.2
145 32.8 25.0 37.6



#32
Benzoic acid
Concen: 5.257 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.088 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:122 Resp: 327
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 79.6 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

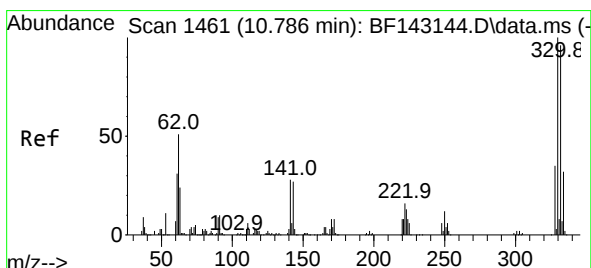
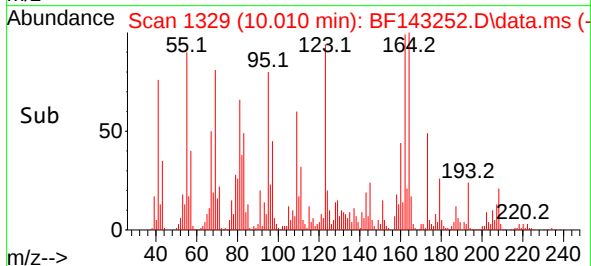
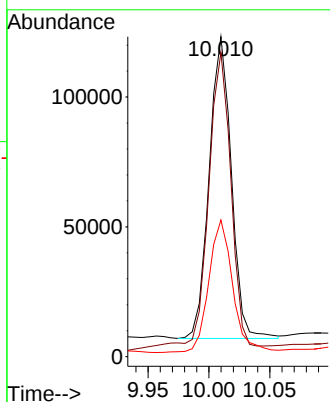
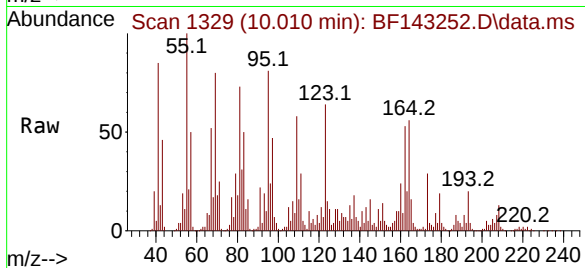
Tgt Ion:164 Resp: 146881

Ion Ratio Lower Upper

164 100

162 95.1 79.0 118.6

160 42.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 9.884 ng

RT: 10.810 min Scan# 1465

Delta R.T. 0.023 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

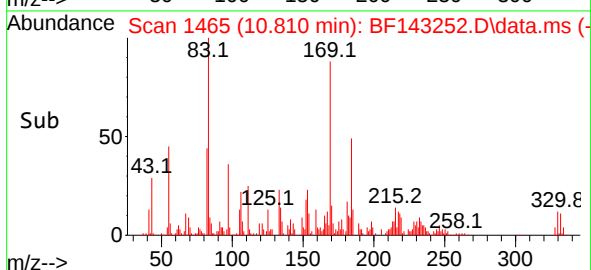
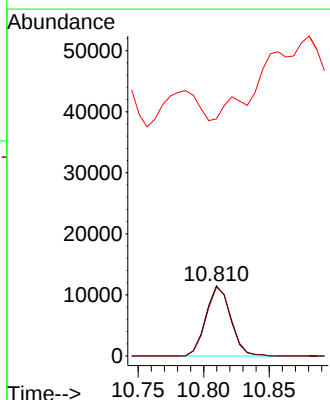
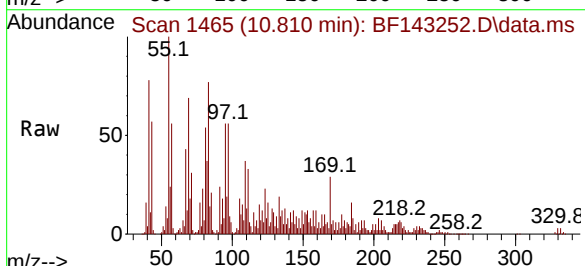
Tgt Ion:330 Resp: 14998

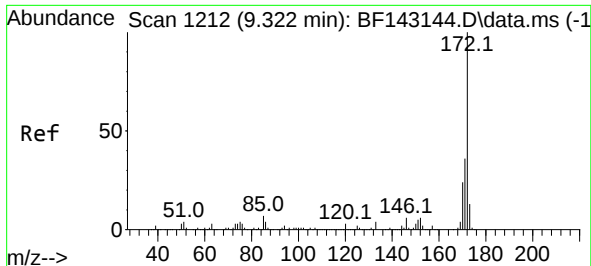
Ion Ratio Lower Upper

330 100

332 99.3 76.7 115.1

141 25.5 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 9.567 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

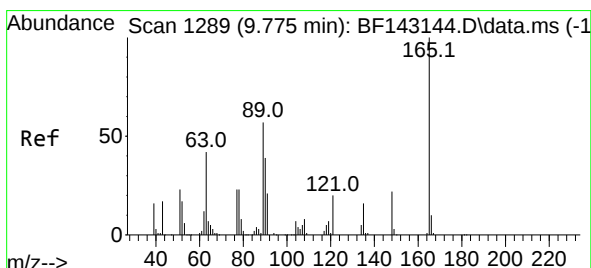
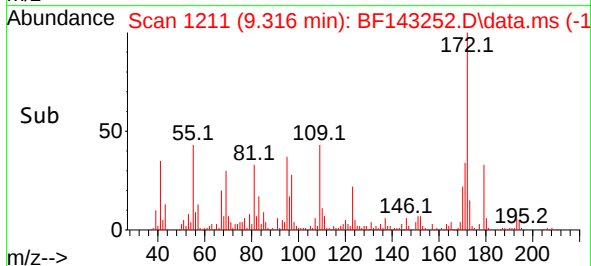
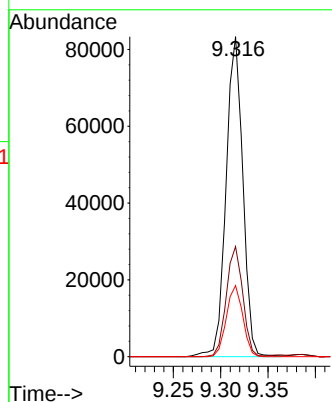
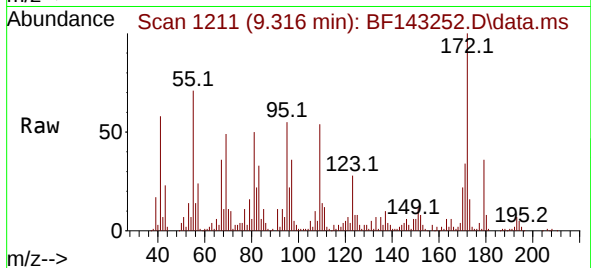
Tgt Ion:172 Resp: 102748

Ion Ratio Lower Upper

172 100

171 34.4 28.6 42.8

170 22.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 7.314 ng

RT: 9.810 min Scan# 1295

Delta R.T. 0.035 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

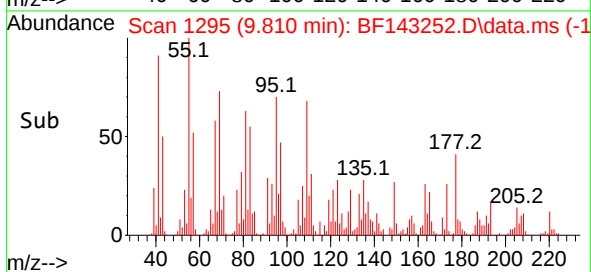
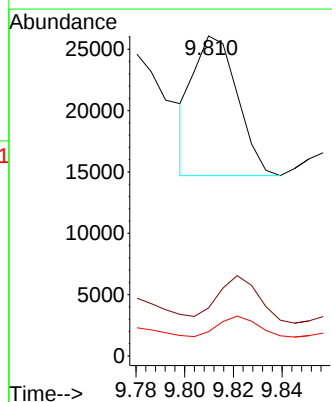
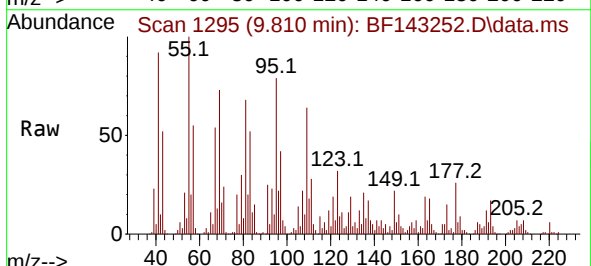
Tgt Ion:165 Resp: 14246

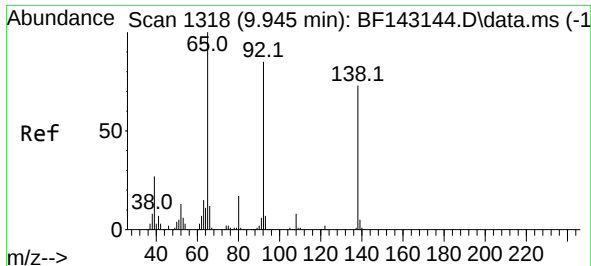
Ion Ratio Lower Upper

165 100

63 15.0 49.4 74.2#

89 7.6 46.2 69.2#

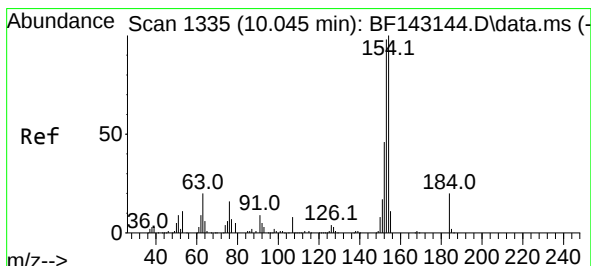
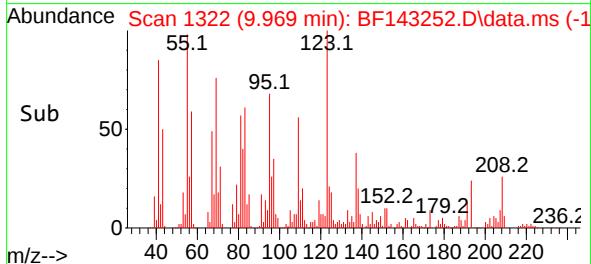
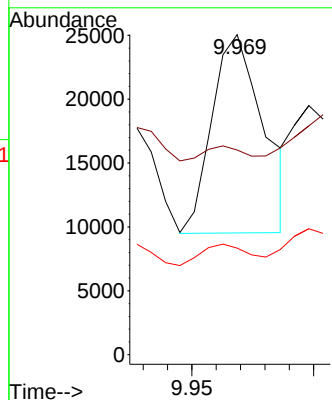
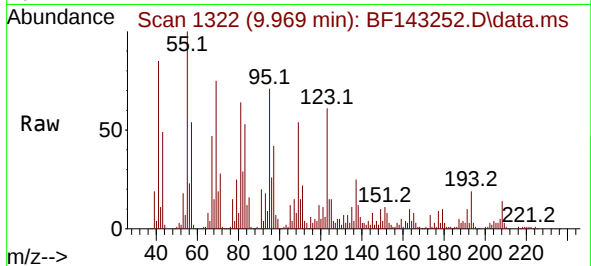




#53
3-Nitroaniline
Concen: 9.989 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

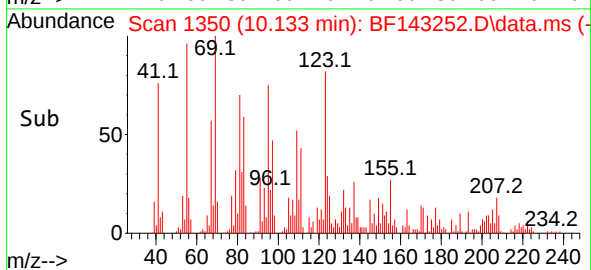
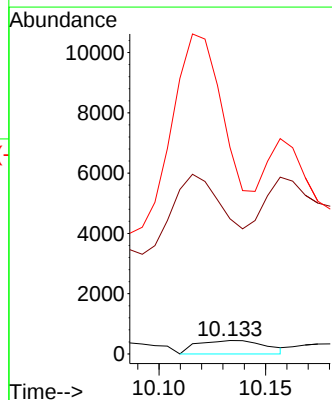
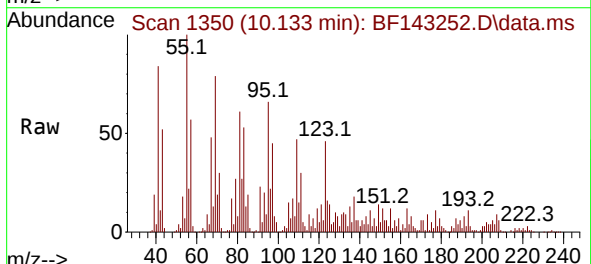
Instrument :
BNA_F
ClientSampleId :
SOM-81

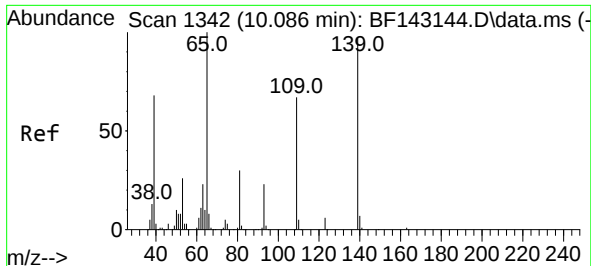
Tgt Ion:138 Resp: 22757
Ion Ratio Lower Upper
138 100
108 63.9 9.0 13.6#
92 33.3 93.0 139.4#



#54
2,4-Dinitrophenol
Concen: 7.698 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.088 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:184 Resp: 996
Ion Ratio Lower Upper
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63 1008.1 81.8 122.6#
154 1541.3 412.2 618.4#

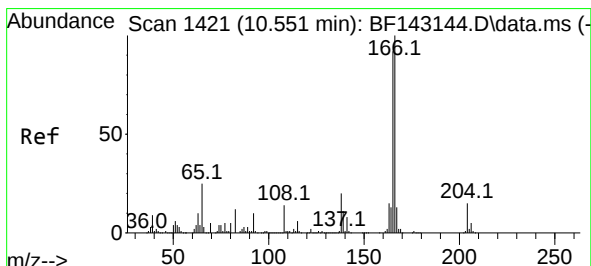
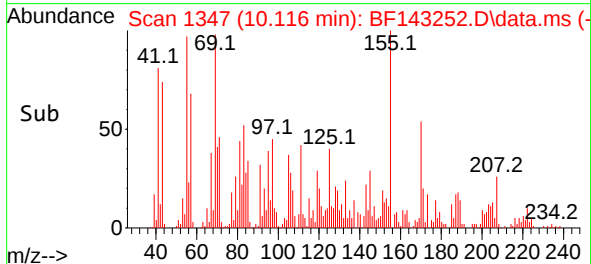
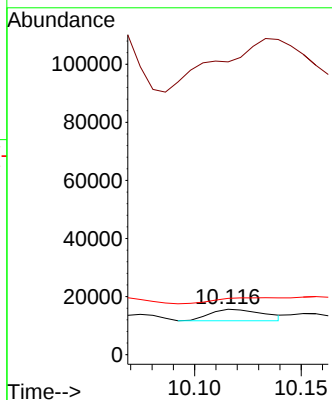
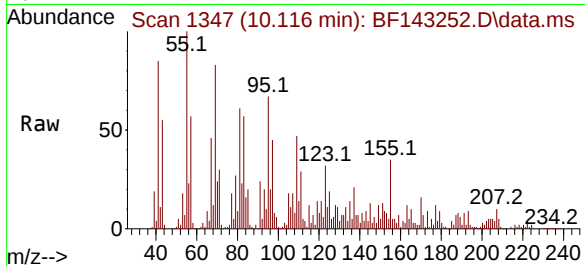




#56
4-Nitrophenol
Concen: 4.105 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

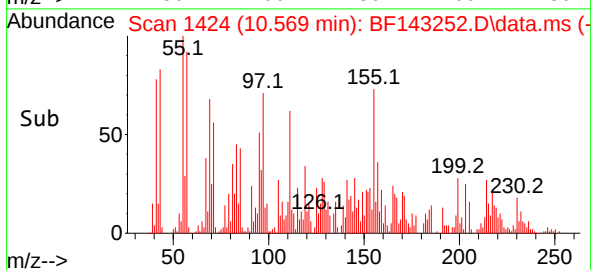
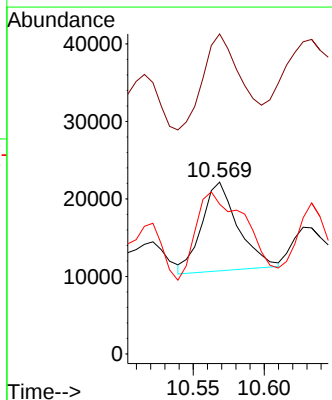
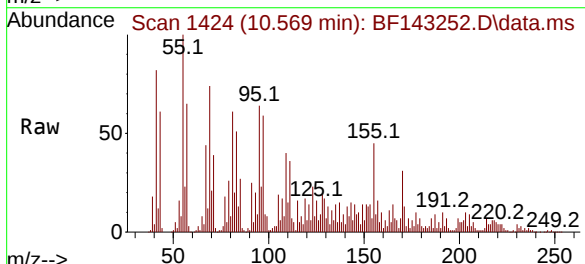
Instrument :
BNA_F
ClientSampleId :
SOM-81

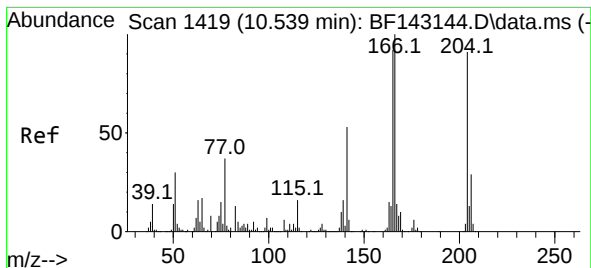
Tgt Ion:139 Resp: 6983
Ion Ratio Lower Upper
139 100
109 644.9 48.5 88.5#
65 124.0 83.4 123.4#



#58
Fluorene
Concen: 2.185 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:166 Resp: 20452
Ion Ratio Lower Upper
166 100
165 186.2 73.7 110.5#
167 87.2 10.6 16.0#

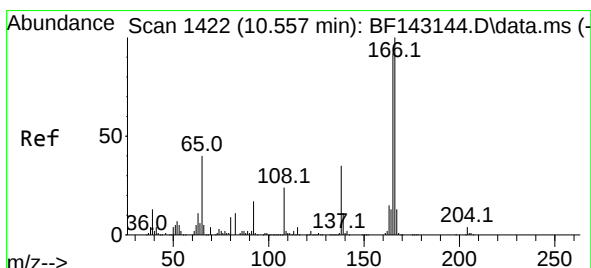
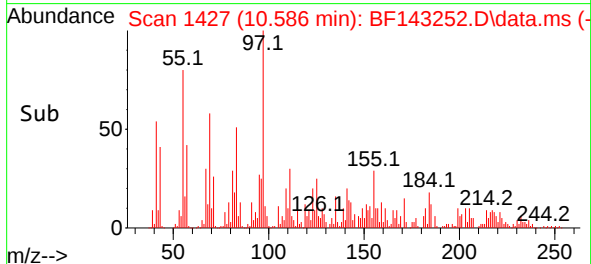
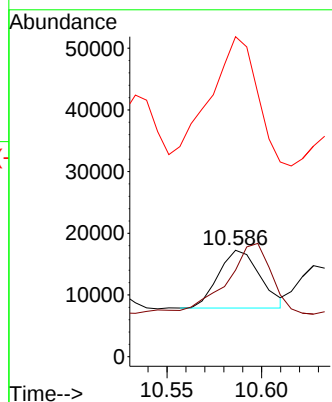
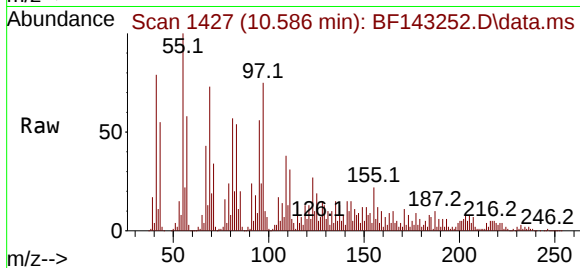




#61
4-Chlorophenyl-phenylether
Concen: 3.080 ng
RT: 10.586 min Scan# 1419
Delta R.T. 0.047 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

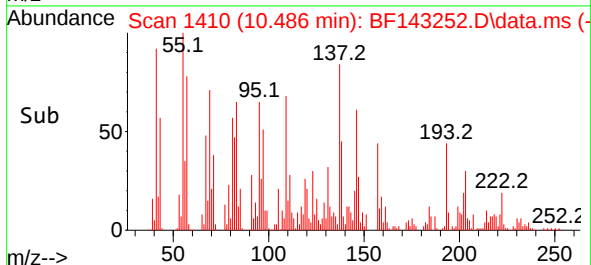
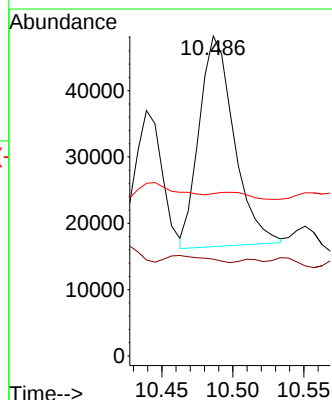
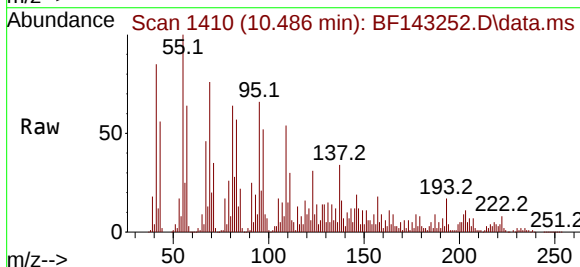
Instrument :
BNA_F
ClientSampleId :
SOM-81

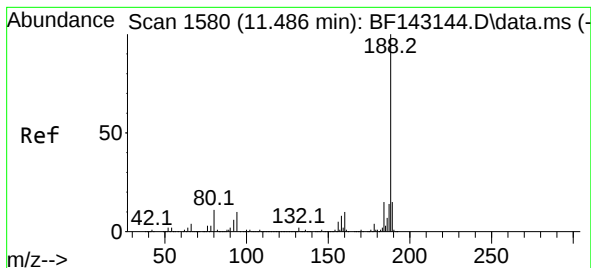
Tgt Ion:204 Resp: 14355
Ion Ratio Lower Upper
204 100
206 81.4 25.8 38.8#
141 300.6 47.0 70.4#



#62
4-Nitroaniline
Concen: 27.854 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.071 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:138 Resp: 54384
Ion Ratio Lower Upper
138 100
92 30.3 29.3 69.3
108 50.7 48.3 88.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.533 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

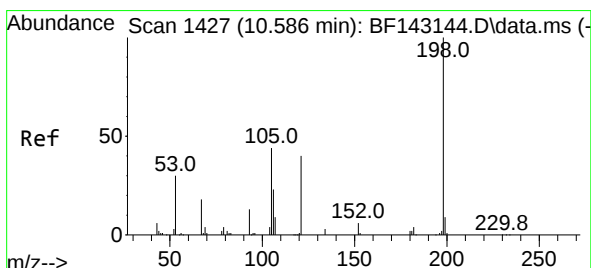
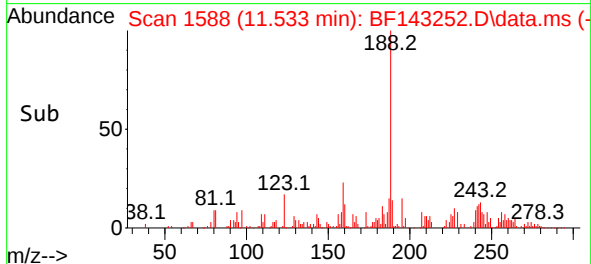
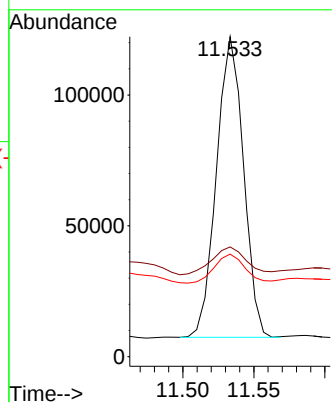
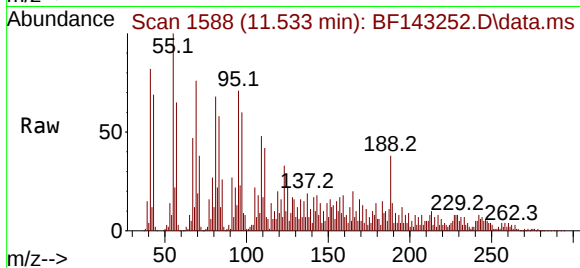
Tgt Ion:188 Resp: 152034

Ion Ratio Lower Upper

188 100

94 34.3 8.3 12.5#

80 32.1 9.0 13.6#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.711 ng

RT: 10.639 min Scan# 1436

Delta R.T. 0.053 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

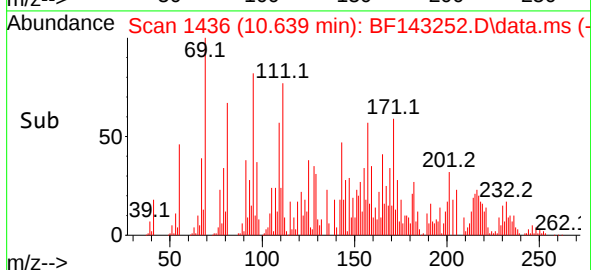
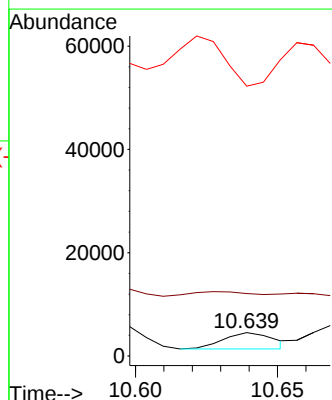
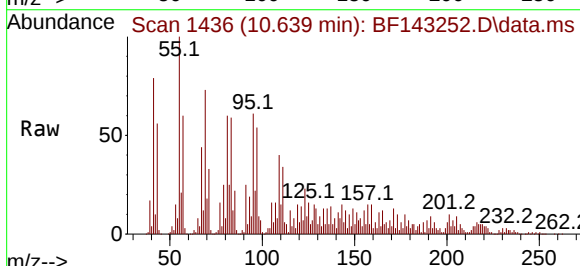
Tgt Ion:198 Resp: 3861

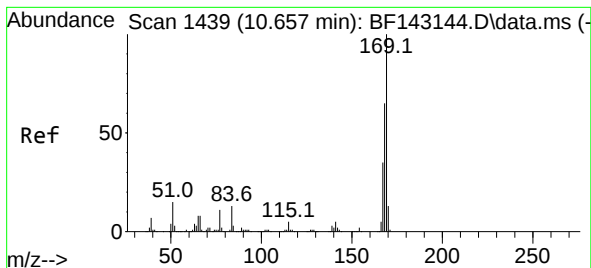
Ion Ratio Lower Upper

198 100

51 266.6 37.2 77.2#

105 1151.0 24.8 64.8#

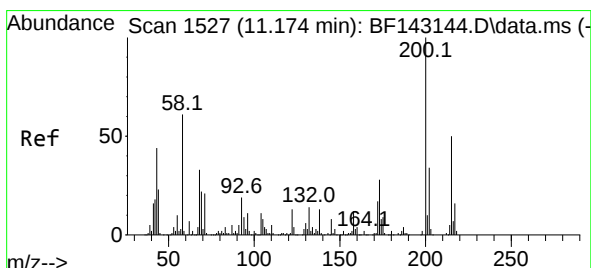
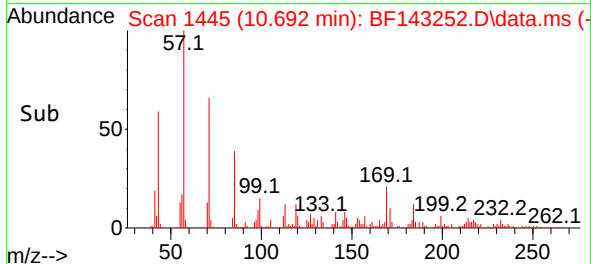
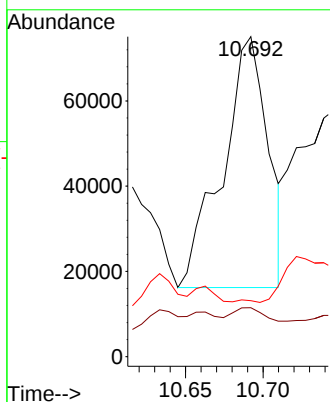
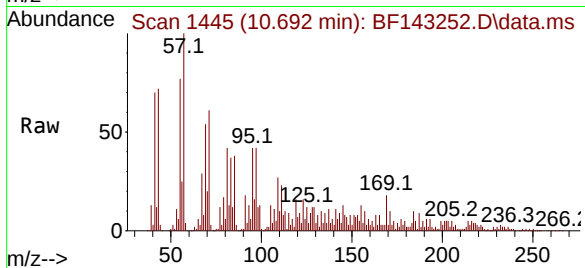




#66
n-Nitrosodiphenylamine
Concen: 22.454 ng
RT: 10.692 min Scan# 1445
Delta R.T. 0.035 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

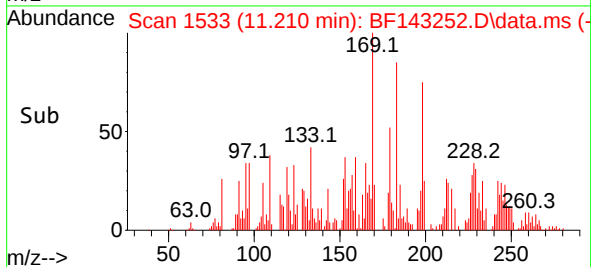
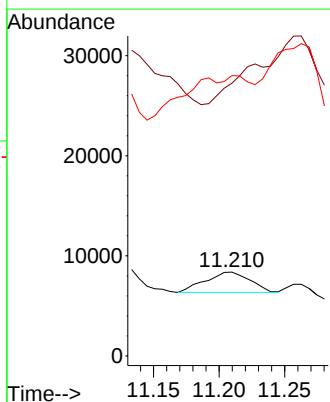
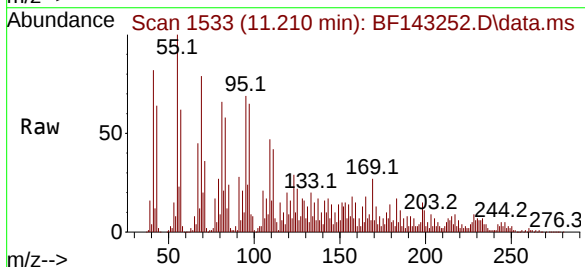
Instrument :
BNA_F
ClientSampleId :
SOM-81

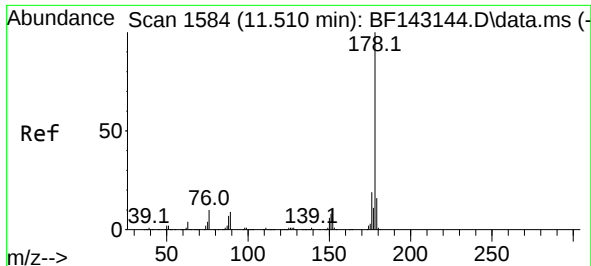
Tgt Ion:169 Resp: 120209
Ion Ratio Lower Upper
169 100
168 15.3 52.1 78.1#
167 17.5 28.2 42.2#



#69
Atrazine
Concen: 3.284 ng
RT: 11.210 min Scan# 1533
Delta R.T. 0.035 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:200 Resp: 4847
Ion Ratio Lower Upper
200 100
173 325.7 7.9 47.9#
215 334.6 30.1 70.1#

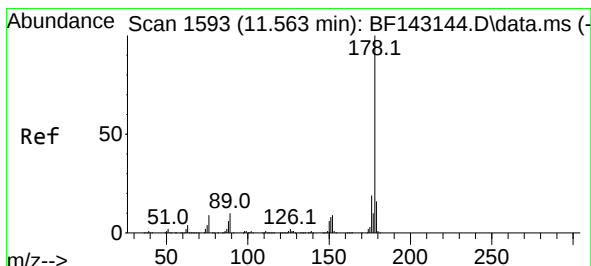
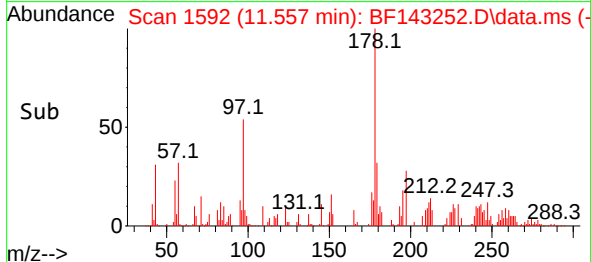
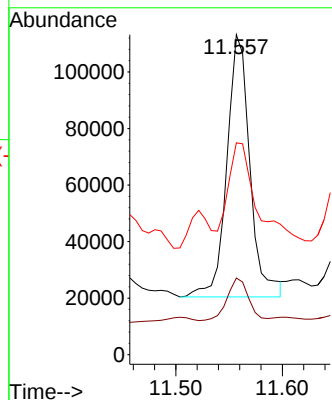
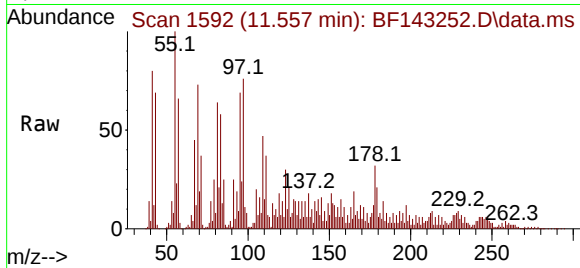




#71
Phenanthrene
Concen: 17.347 ng
RT: 11.557 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

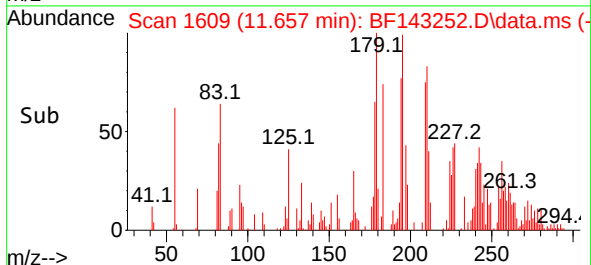
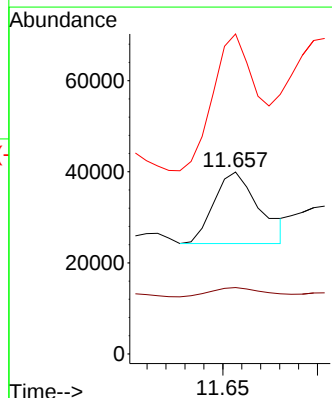
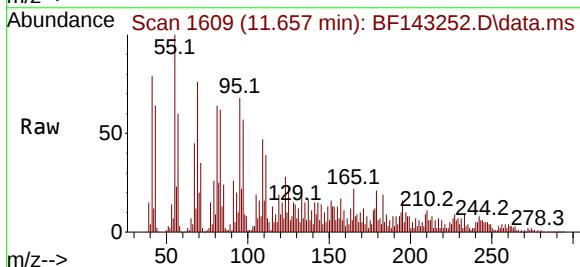
Instrument :
BNA_F
ClientSampleId :
SOM-81

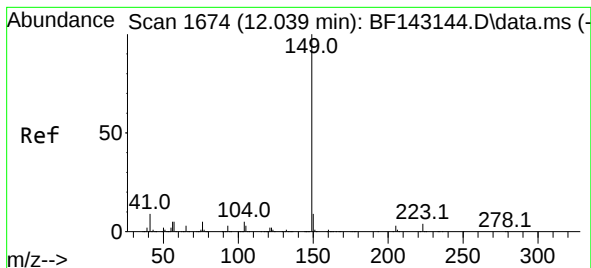
Tgt Ion:178 Resp: 140037
Ion Ratio Lower Upper
178 100
176 24.0 15.3 22.9#
179 66.2 12.5 18.7#



#72
Anthracene
Concen: 3.150 ng
RT: 11.657 min Scan# 1609
Delta R.T. 0.094 min
Lab File: BF143252.D
Acq: 25 Jul 2025 15:48

Tgt Ion:178 Resp: 25933
Ion Ratio Lower Upper
178 100
176 36.5 15.0 22.4#
179 175.9 12.5 18.7#





#74

Di-n-butylphthalate

Concen: 8.045 ng

RT: 12.098 min Scan# 1

Delta R.T. 0.059 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

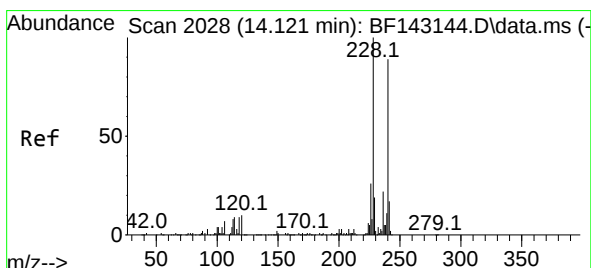
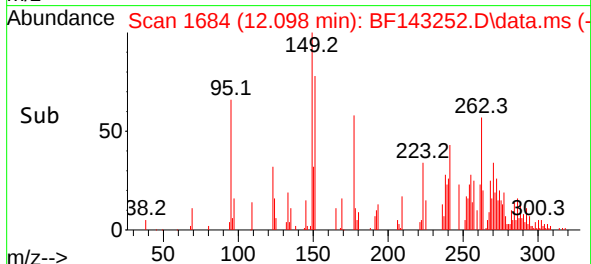
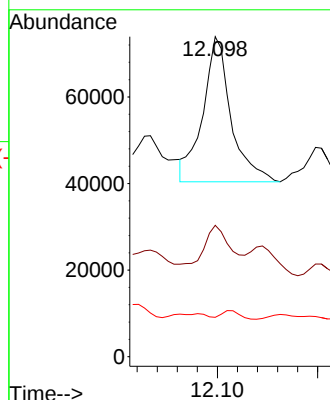
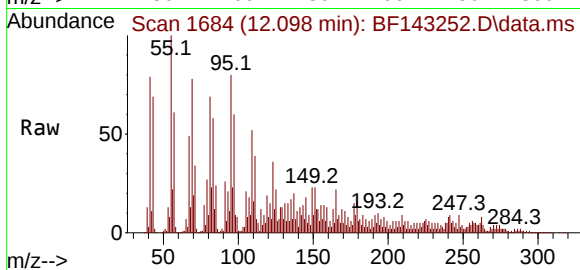
Tgt Ion:149 Resp: 65439

Ion Ratio Lower Upper

149 100

150 41.1 7.4 11.2#

104 12.3 3.8 5.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2032

Delta R.T. 0.023 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

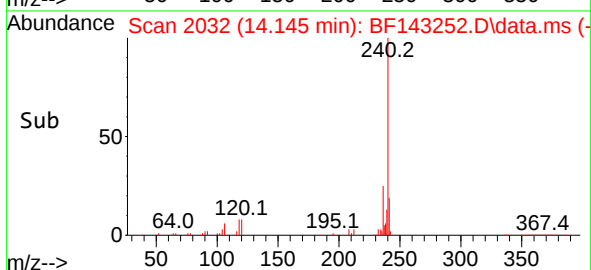
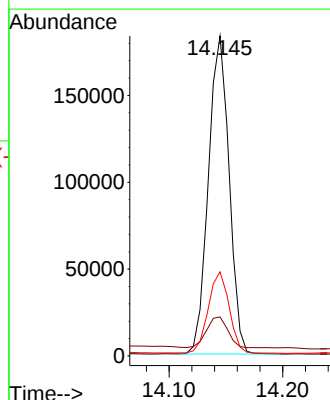
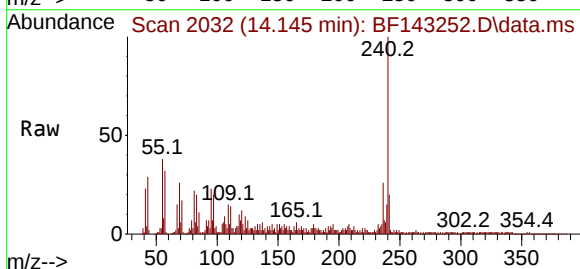
Tgt Ion:240 Resp: 232167

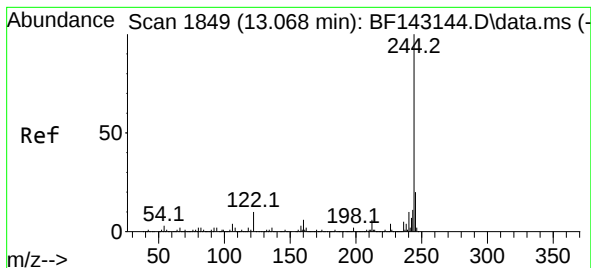
Ion Ratio Lower Upper

240 100

120 12.2 9.4 14.2

236 26.3 20.2 30.4





#79

Terphenyl-d14

Concen: 4.987 ng

RT: 13.098 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

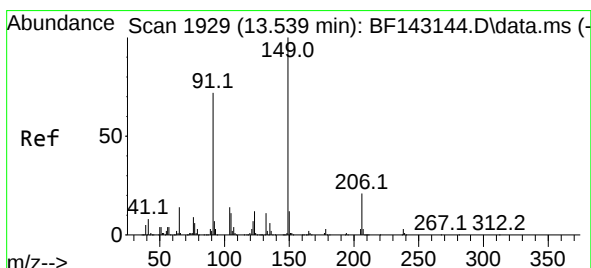
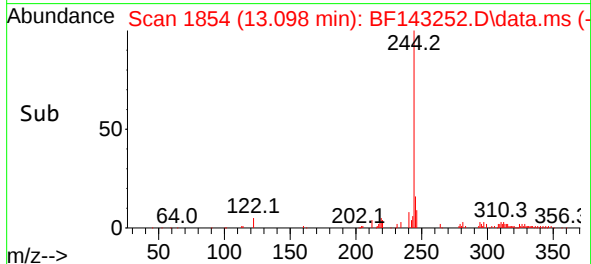
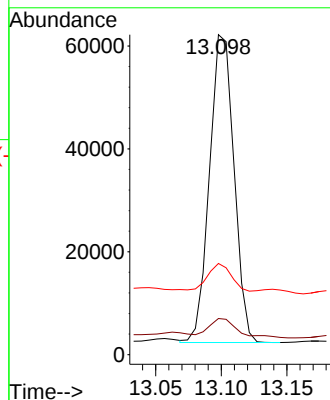
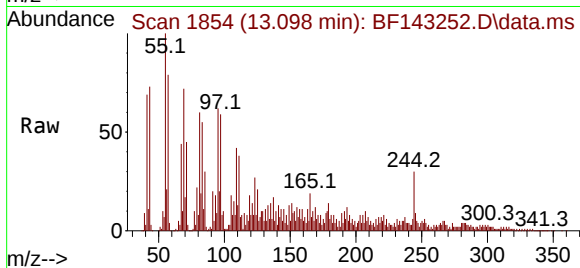
Tgt Ion:244 Resp: 77798

Ion Ratio Lower Upper

244 100

212 11.3 5.2 7.8#

122 28.5 8.2 12.2#



#80

Butylbenzylphthalate

Concen: 2.888 ng

RT: 13.298 min Scan# 1888

Delta R.T. -0.241 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

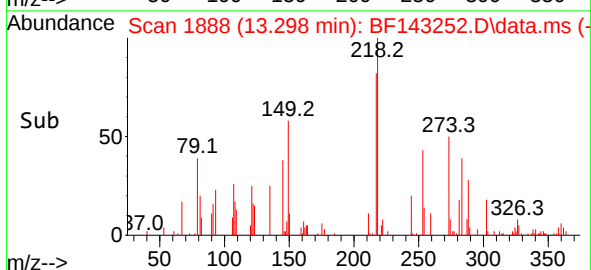
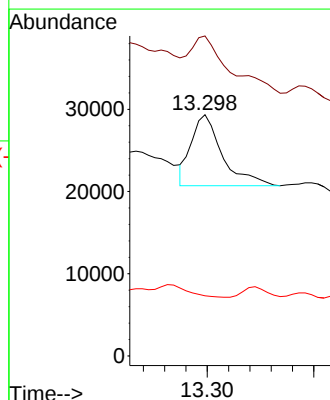
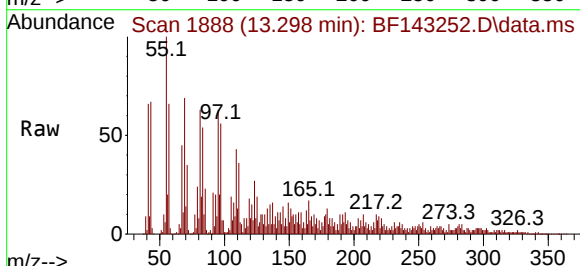
Tgt Ion:149 Resp: 17525

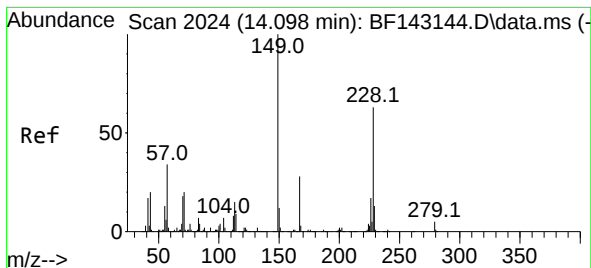
Ion Ratio Lower Upper

149 100

91 132.6 57.9 86.9#

206 25.0 17.0 25.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.962 ng

RT: 14.110 min Scan# 2024

Delta R.T. 0.012 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

SOM-81

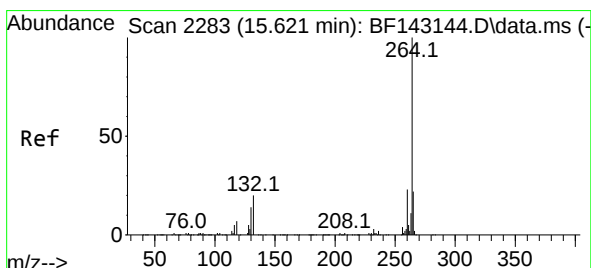
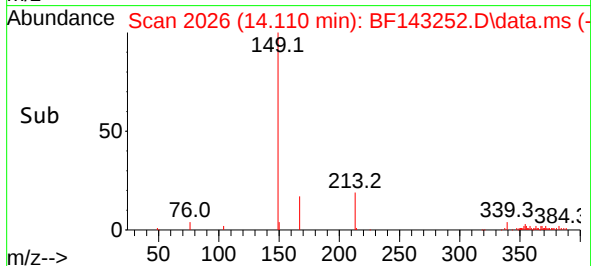
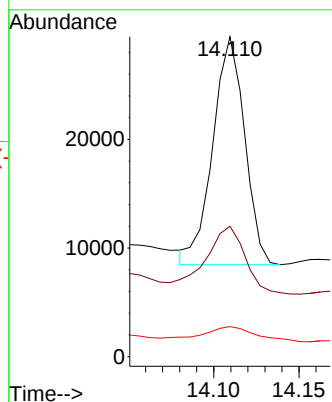
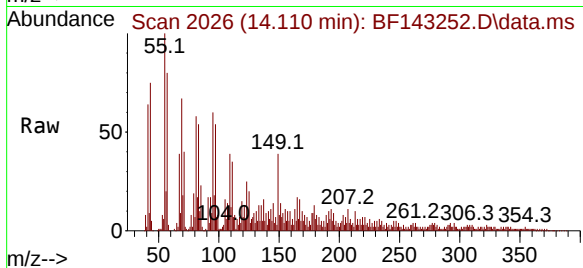
Tgt Ion:149 Resp: 27206

Ion Ratio Lower Upper

149 100

167 40.8 22.3 33.5#

279 9.4 3.6 5.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143252.D

Acq: 25 Jul 2025 15:48

Tgt Ion:264 Resp: 261501

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.6 17.4 26.2

