

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143512.D
 Acq On : 21 Aug 2025 04:49
 Operator : RC/JU
 Sample : Q2900-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825

Quant Time: Aug 21 07:06:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

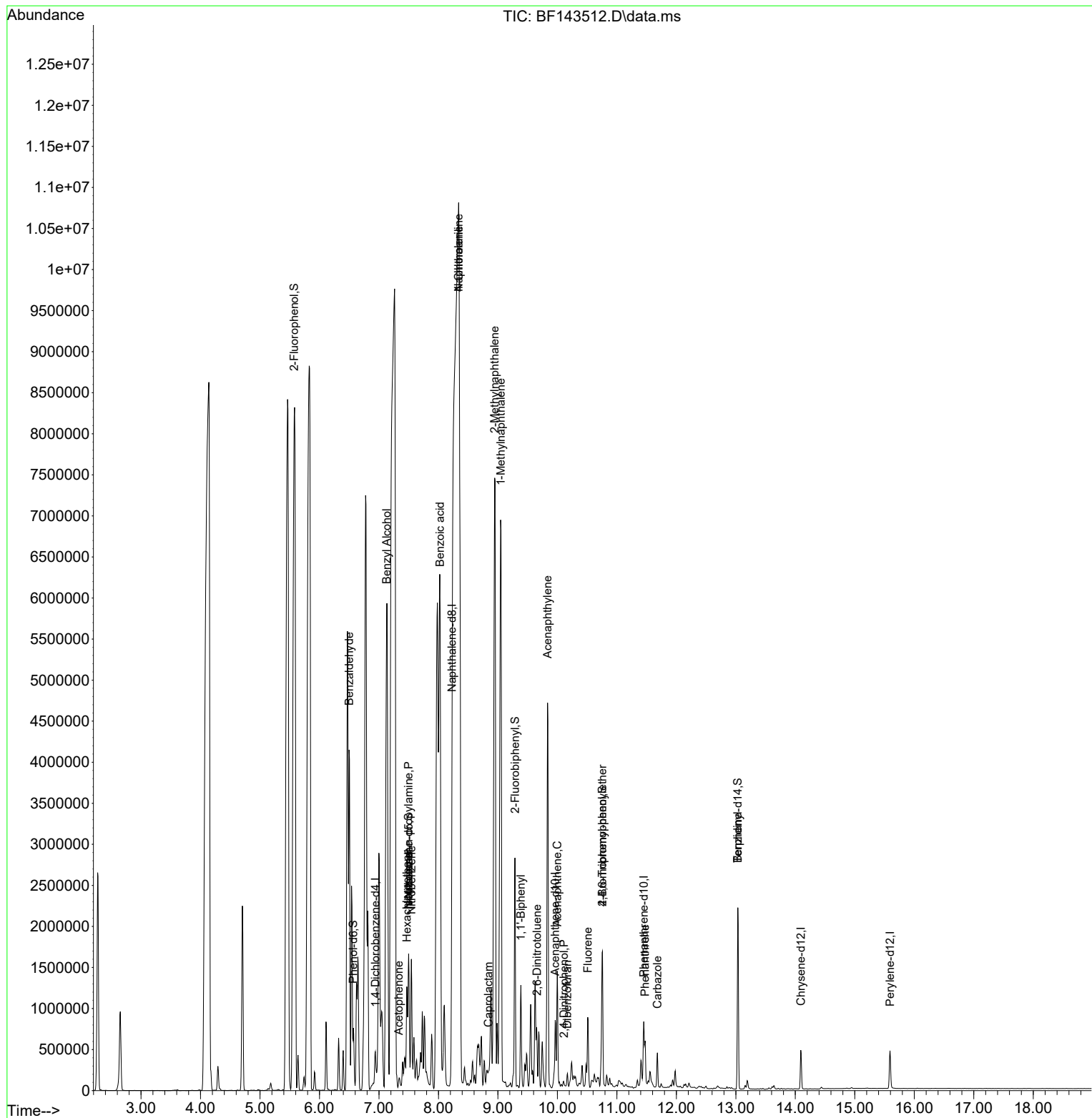
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	127848	20.000	ng	0.01
21) Naphthalene-d8	8.228	136	161605	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	252028	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	378389	20.000	ng	0.00
76) Chrysene-d12	14.092	240	228850	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	217087	29.650	ng	0.01
7) Phenol-d6	6.569	99	360493	39.886	ng	0.00
23) Nitrobenzene-d5	7.498	82	714468	257.991	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	309927	132.108	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1216462	79.769	ng	0.00
79) Terphenyl-d14	13.033	244	1084386	82.687	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	257910	35.246	ng	# 1
15) Benzyl Alcohol	7.128	79	13956	2.062	ng	# 1
18) Hexachloroethane	7.469	117	258191	83.316	ng	# 18
19) n-Nitroso-di-n-propyla...	7.498	70	97706	17.687	ng	# 78
22) Acetophenone	7.334	105	39420	11.291	ng	# 63
24) Nitrobenzene	7.545	77	51343	18.013	ng	# 6
25) Isophorone	7.498	82	563690	111.039	ng	# 65
31) Naphthalene	8.339	128	30674528	3953.586	ng	# 92
32) Benzoic acid	8.028	122	5624	9.549	ng	# 1
33) 4-Chloroaniline	8.339	127	4879162	1771.834	ng	# 35
35) Caprolactam	8.839	113	3403	6.101	ng	# 1
37) 2-Methylnaphthalene	8.945	142	4359971	841.385	ng	99
38) 1-Methylnaphthalene	9.051	142	3563123	718.844	ng	99
46) 1,1'-Biphenyl	9.386	154	512257	28.636	ng	100
49) Acenaphthylene	9.834	152	3111758	154.837	ng	97
51) 2,6-Dinitrotoluene	9.657	165	7304	2.322	ng	# 1
52) Acenaphthene	9.998	154	367277	26.916	ng	98
54) 2,4-Dinitrophenol	10.110	184	2207	6.518	ng	# 67
55) Dibenzofuran	10.169	168	79131	4.068	ng	98
58) Fluorene	10.510	166	449481	30.020	ng	99
67) 4-Bromophenyl-phenylether	10.757	248	20746	4.595	ng	# 1
71) Phenanthrene	11.475	178	261150	12.888	ng	100
73) Carbazole	11.680	167	229495	13.644	ng	99
77) Benzidine	13.033	184	13979	2.508	ng	# 93

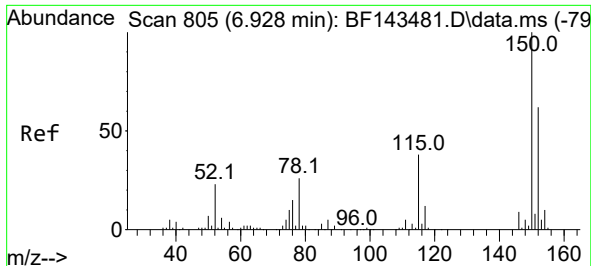
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143512.D
Acq On : 21 Aug 2025 04:49
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Sample : Q2900-03
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-01-081825

Quant Time: Aug 21 07:06:22 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

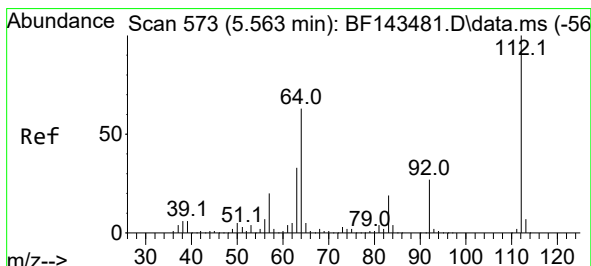
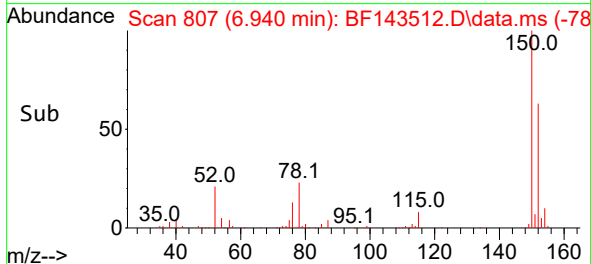
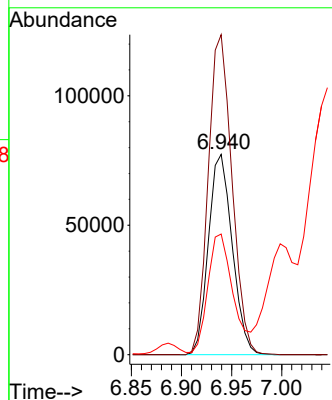
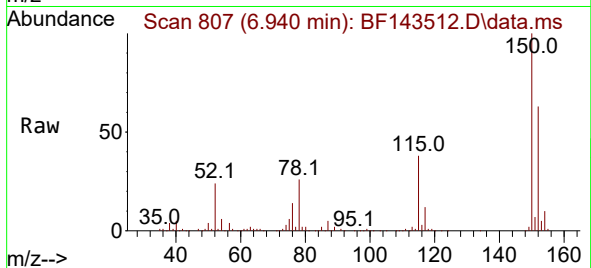




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 805
Delta R.T. 0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

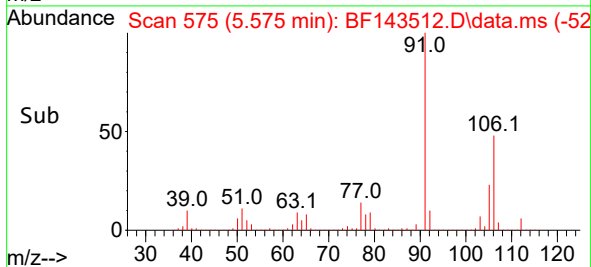
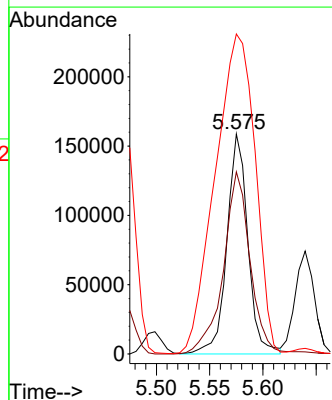
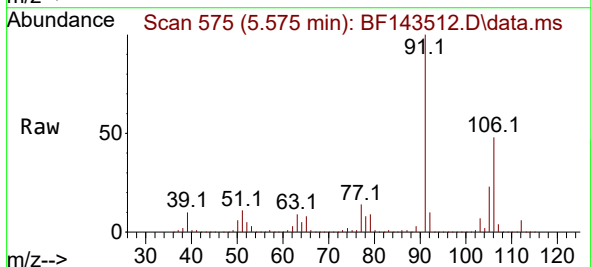
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

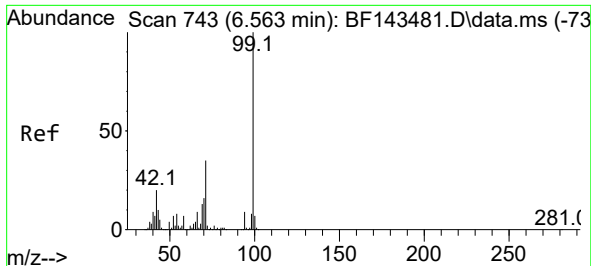
Tgt Ion:152 Resp: 127848
Ion Ratio Lower Upper
152 100
150 159.7 128.9 193.3
115 60.2 49.2 73.8



#5
2-Fluorophenol
Concen: 29.650 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:112 Resp: 217087
Ion Ratio Lower Upper
112 100
64 82.7 50.4 75.6#
63 145.4 26.4 39.6#

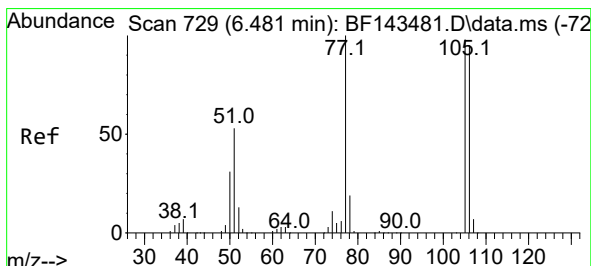
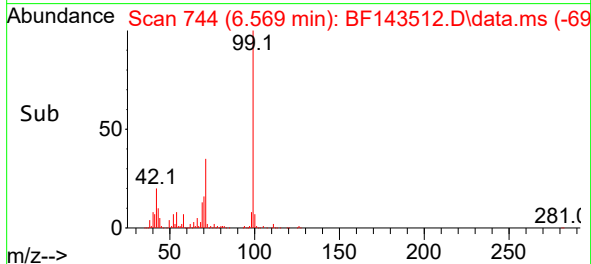
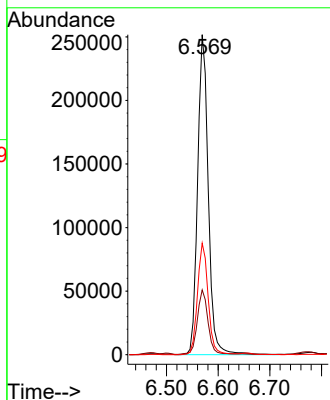
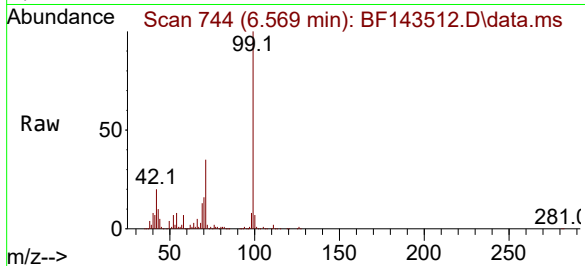




#7
Phenol-d6
Concen: 39.886 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

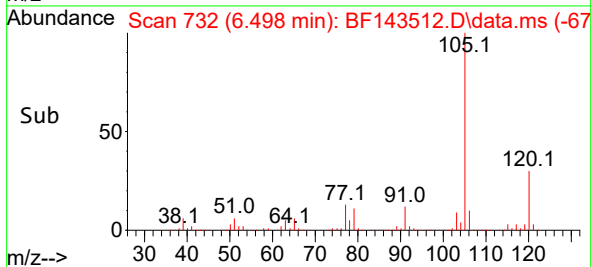
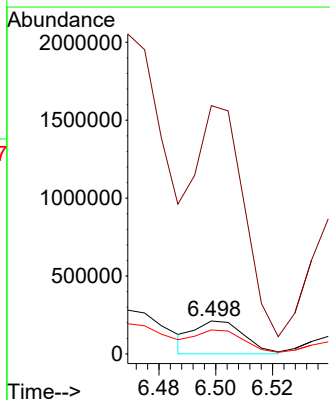
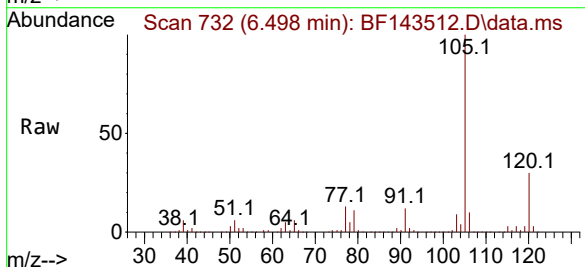
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

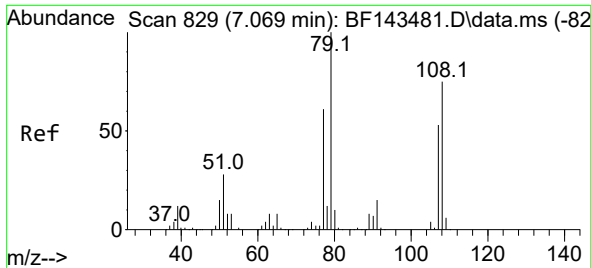
Tgt Ion: 99 Resp: 360493
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 34.8 28.2 42.2



#9
Benzaldehyde
Concen: 35.246 ng
RT: 6.498 min Scan# 732
Delta R.T. 0.017 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion: 77 Resp: 257910
Ion Ratio Lower Upper
77 100
105 751.7 78.1 118.1#
106 72.9 74.9 114.9#

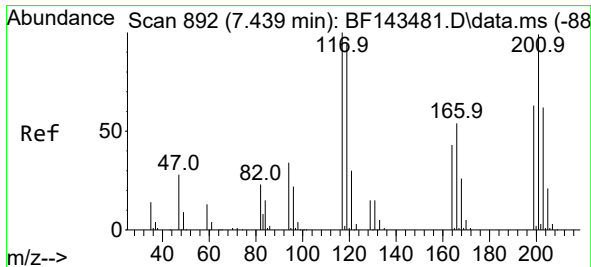
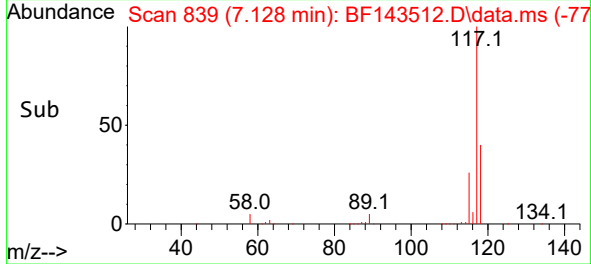
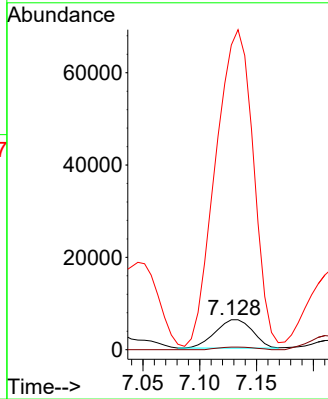
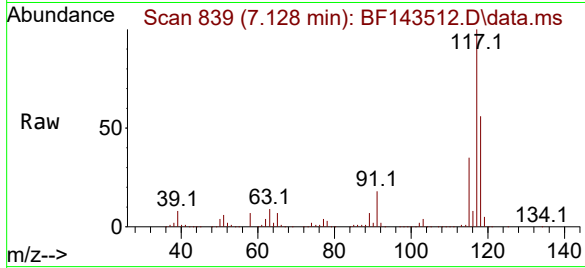




#15
Benzyl Alcohol
Concen: 2.062 ng
RT: 7.128 min Scan# 811
Delta R.T. 0.053 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

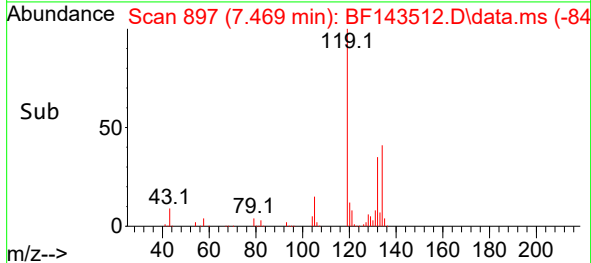
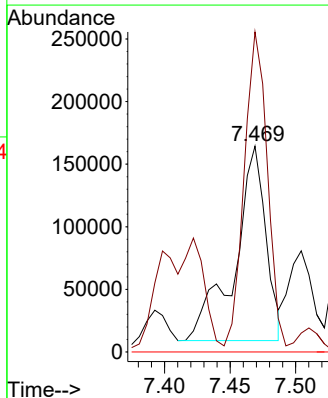
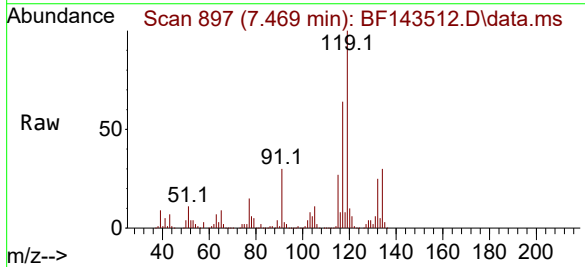
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

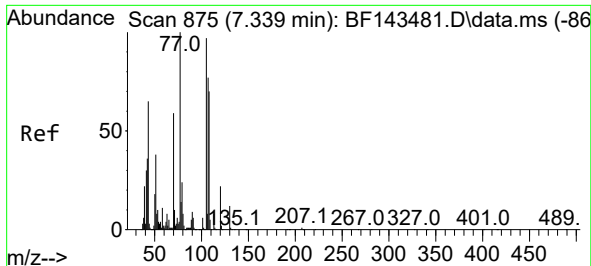
Tgt Ion: 79 Resp: 13956
Ion Ratio Lower Upper
79 100
108 8.6 59.8 89.6#
77 1015.5 49.0 73.4#



#18
Hexachloroethane
Concen: 83.316 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.024 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion: 117 Resp: 258191
Ion Ratio Lower Upper
117 100
119 155.5 75.4 113.0#
201 0.0 79.0 118.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.687 ng

RT: 7.498 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825

Tgt Ion: 70 Resp: 97706

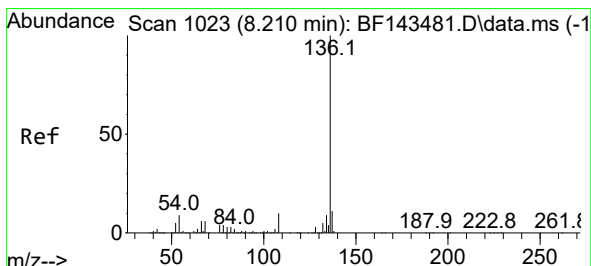
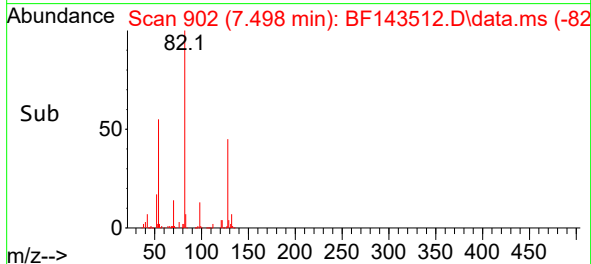
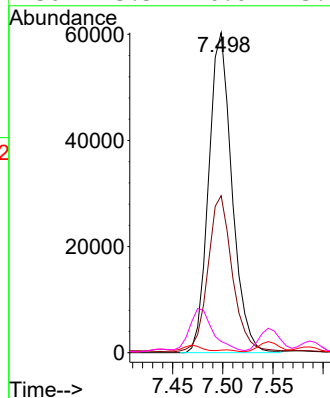
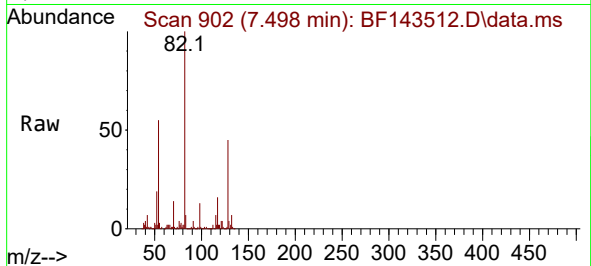
Ion Ratio Lower Upper

70 100

42 49.1 49.3 73.9#

101 0.8 7.8 11.8#

130 3.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.228 min Scan# 1026

Delta R.T. 0.018 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

Tgt Ion: 136 Resp: 161605

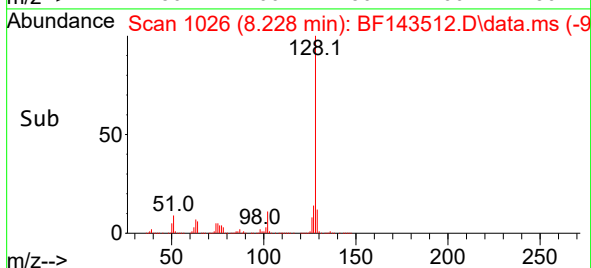
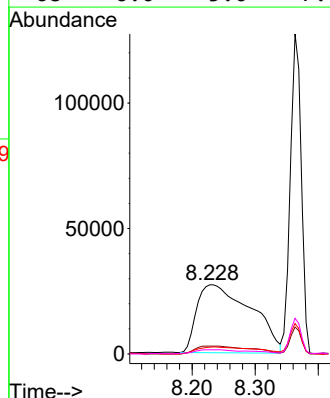
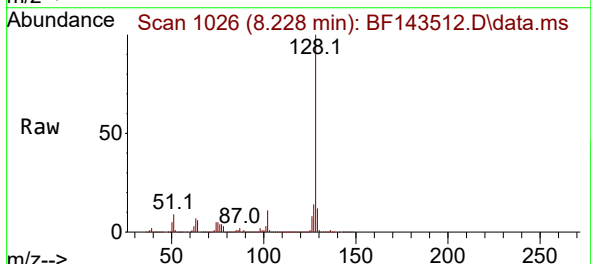
Ion Ratio Lower Upper

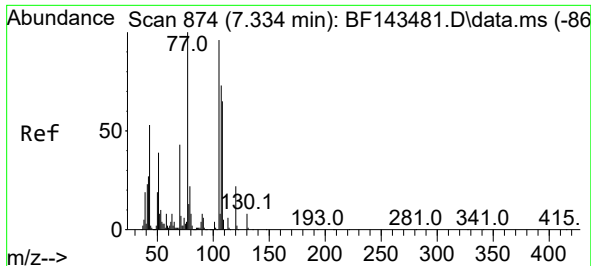
136 100

137 11.3 9.0 13.4

54 9.8 7.4 11.2

68 6.0 5.0 7.4

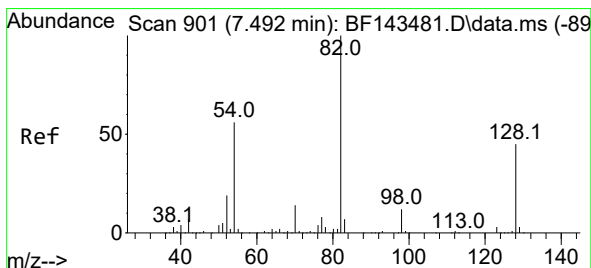
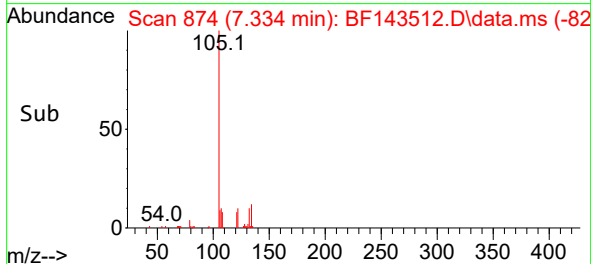
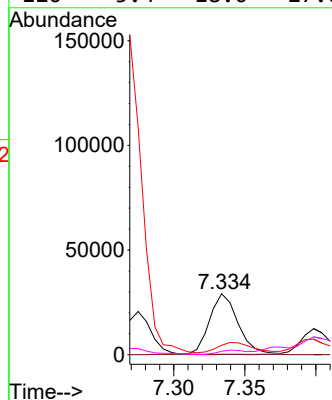
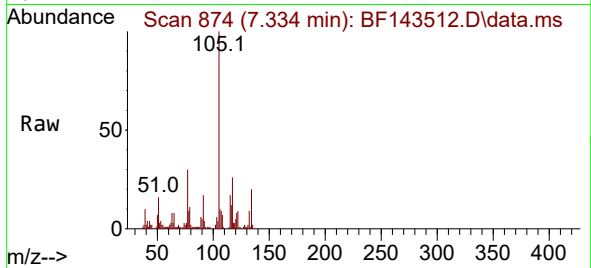




#22
Acetophenone
Concen: 11.291 ng
RT: 7.334 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

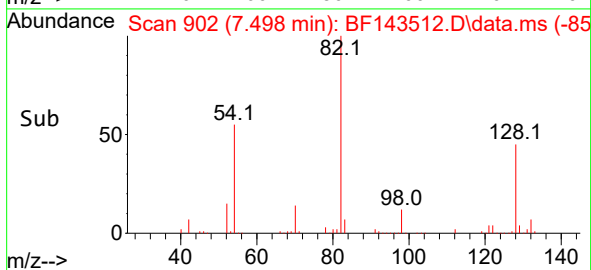
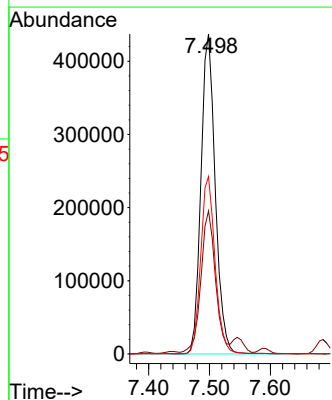
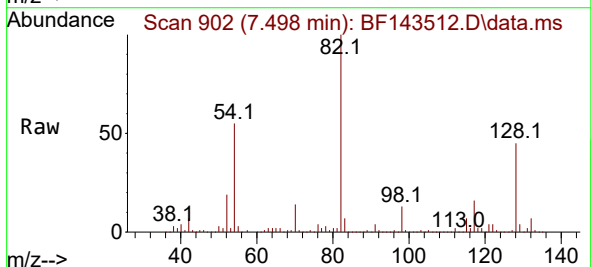
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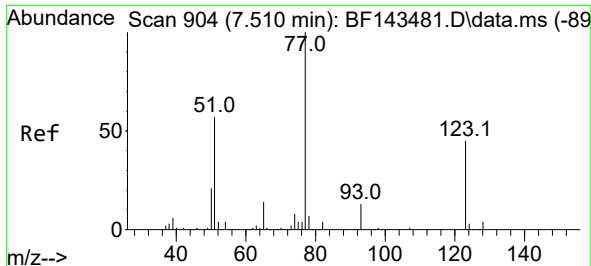
Tgt Ion:105 Resp: 39420
Ion Ratio Lower Upper
105 100
71 0.6 5.9 8.9#
51 15.6 32.5 48.7#
120 5.4 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 257.991 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion: 82 Resp: 714468
Ion Ratio Lower Upper
82 100
128 44.7 35.5 53.3
54 55.5 44.3 66.5

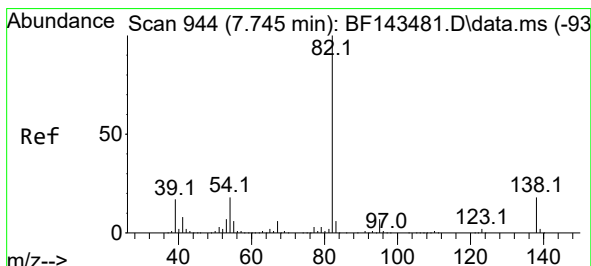
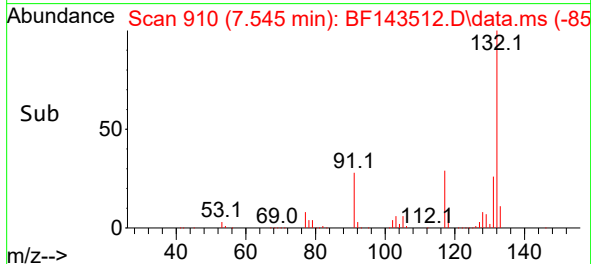
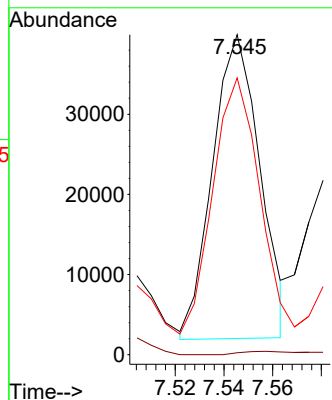
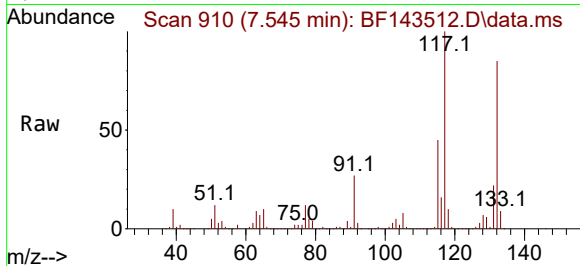




#24
Nitrobenzene
Concen: 18.013 ng
RT: 7.545 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

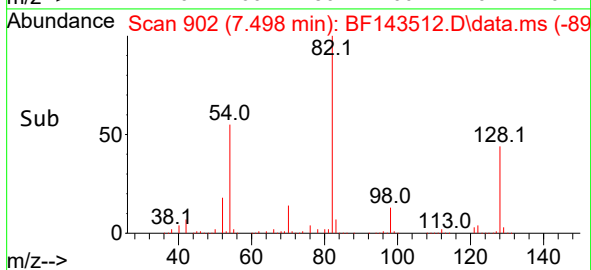
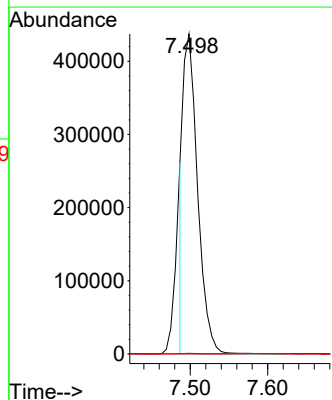
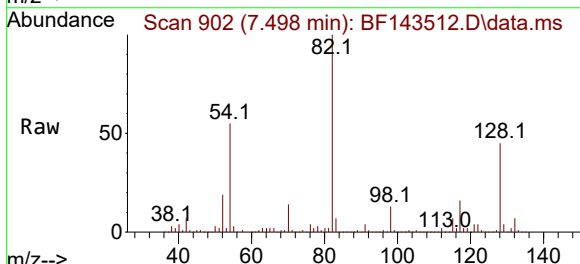
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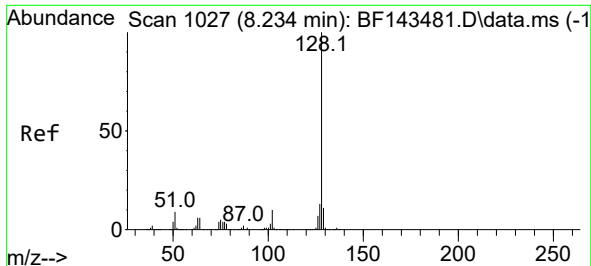
Tgt Ion: 77 Resp: 51343
Ion Ratio Lower Upper
77 100
123 0.6 36.1 54.1#
65 86.5 11.0 16.6#



#25
Isophorone
Concen: 111.039 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.259 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion: 82 Resp: 563690
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.8#
138 0.0 14.2 21.4#

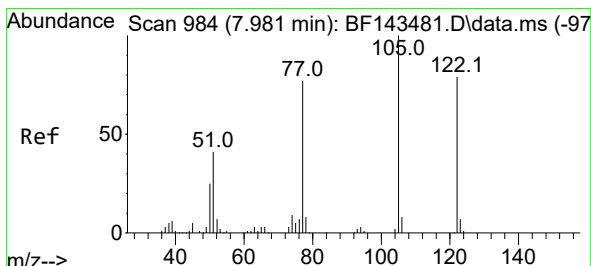
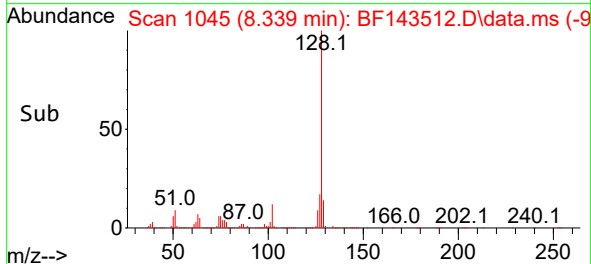
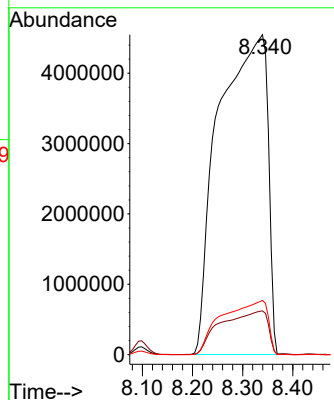
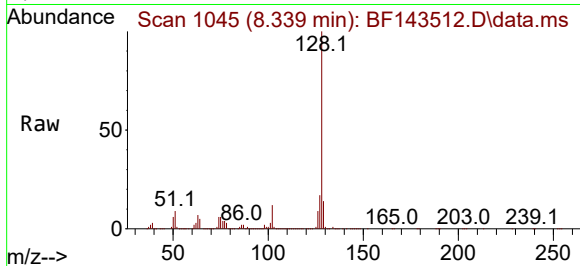




#31
Naphthalene
Concen: 3953.586 ng
RT: 8.339 min Scan# 1045
Delta R.T. 0.106 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

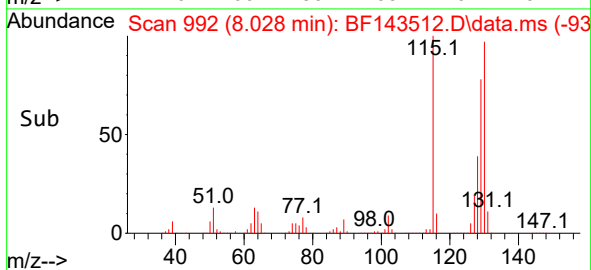
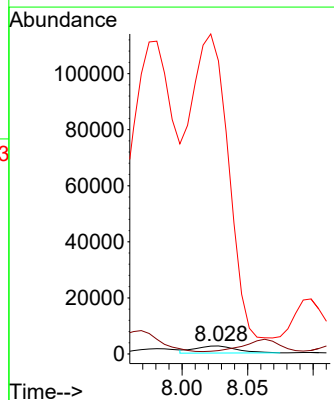
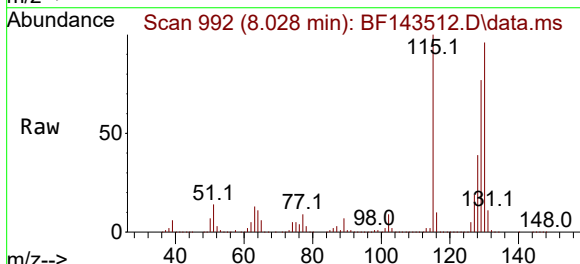
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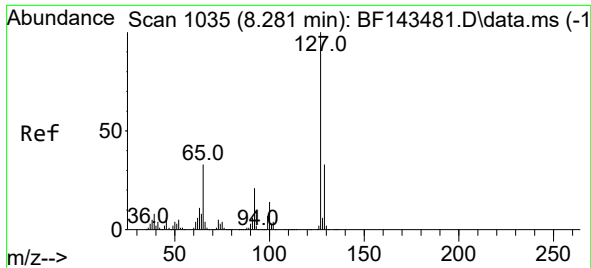
Tgt Ion:128 Resp:30674528
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 16.9 10.6 16.0#



#32
Benzoic acid
Concen: 9.549 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.018 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:122 Resp: 5624
Ion Ratio Lower Upper
122 100
105 42.0 104.7 144.7#
77 3667.9 77.3 117.3#

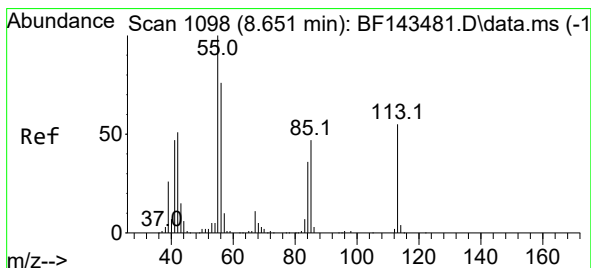
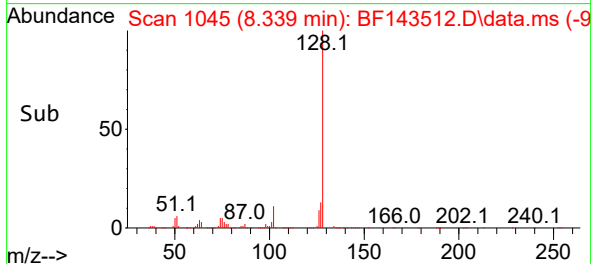
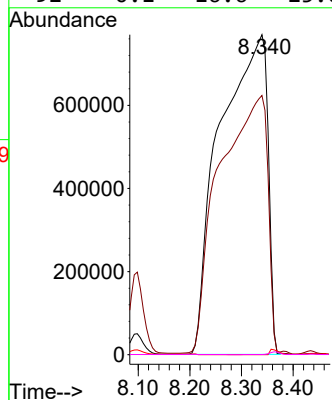
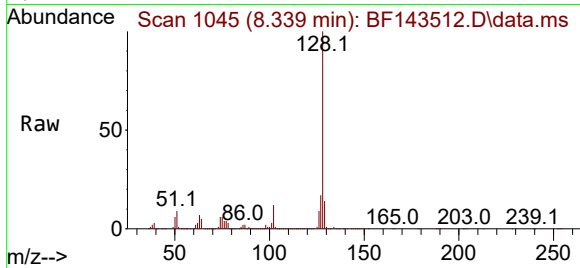




#33
4-Chloroaniline
Concen: 1771.834 ng
RT: 8.339 min Scan# 1130
Delta R.T. 0.059 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

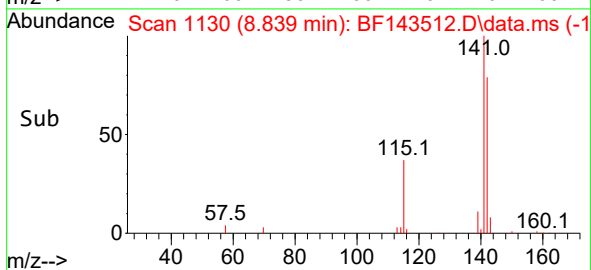
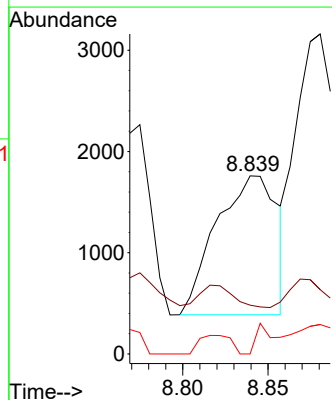
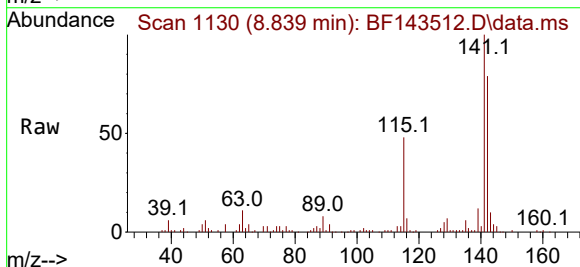
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

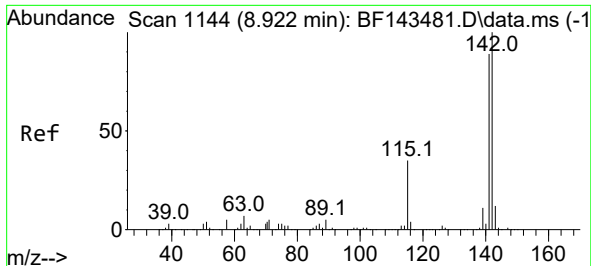
Tgt Ion:127 Resp: 4879162
Ion Ratio Lower Upper
127 100
129 81.0 26.1 39.1#
65 0.0 26.2 39.2#
92 0.1 16.6 25.0#



#35
Caprolactam
Concen: 6.101 ng
RT: 8.839 min Scan# 1130
Delta R.T. 0.165 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:113 Resp: 3403
Ion Ratio Lower Upper
113 100
55 27.4 162.8 202.8#
56 0.0 118.1 158.1#

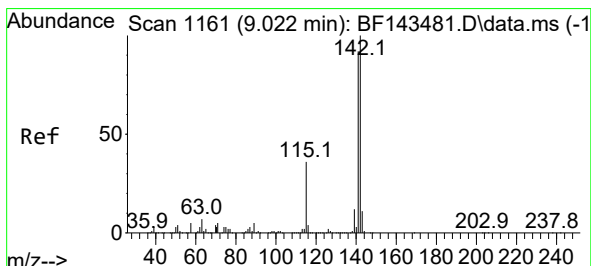
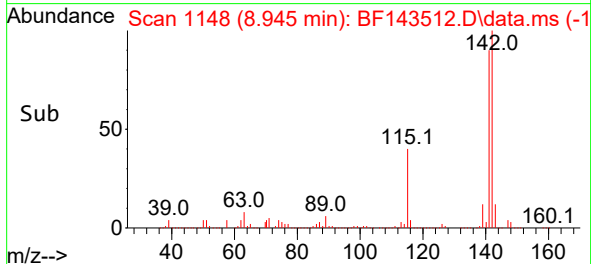
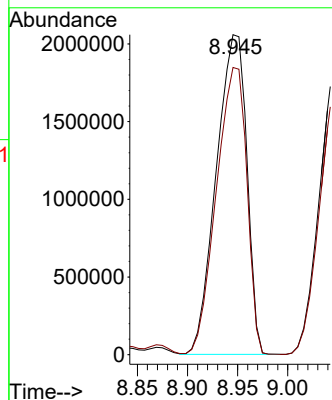
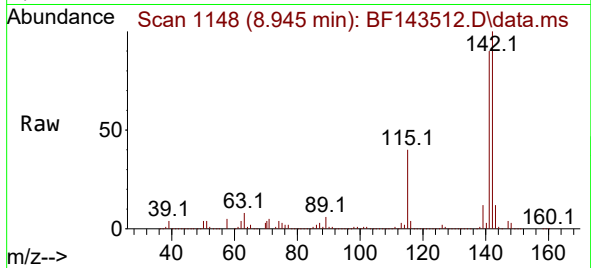




#37
2-Methylnaphthalene
Concen: 841.385 ng
RT: 8.945 min Scan# 1144
Delta R.T. 0.018 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

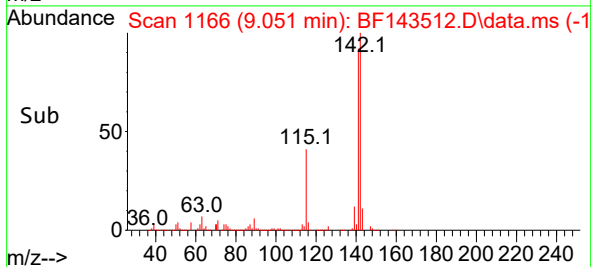
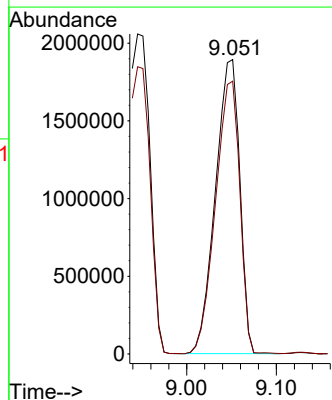
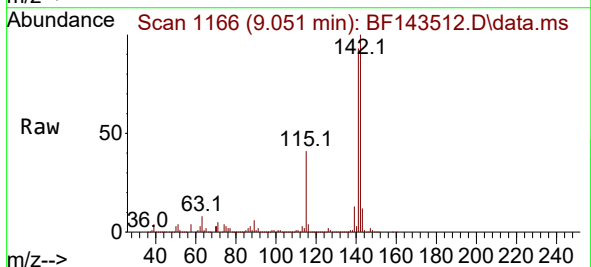
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

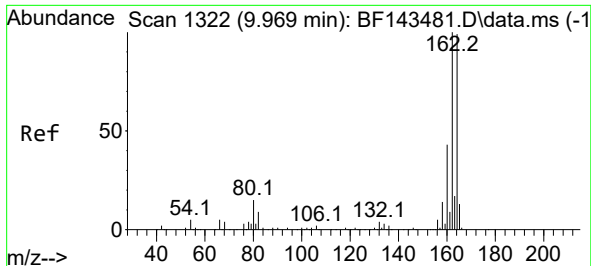
Tgt Ion:142 Resp: 4359971
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.4



#38
1-Methylnaphthalene
Concen: 718.844 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.024 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:142 Resp: 3563123
Ion Ratio Lower Upper
142 100
141 92.6 73.3 109.9

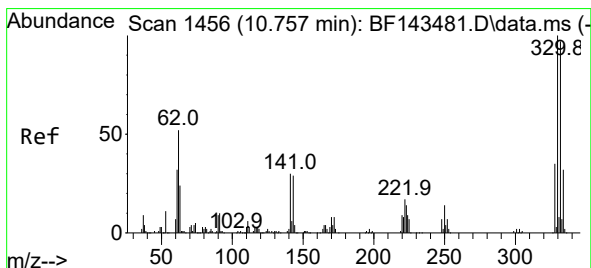
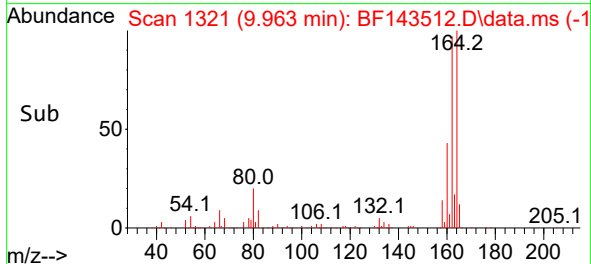
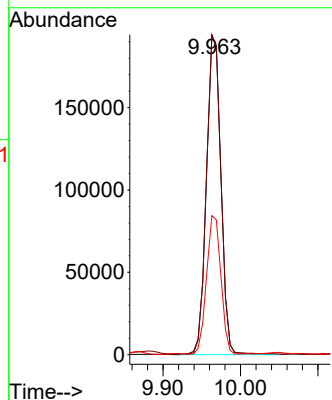
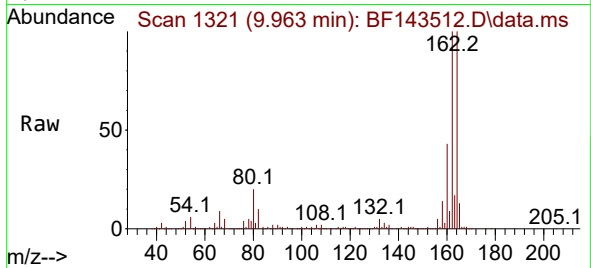




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

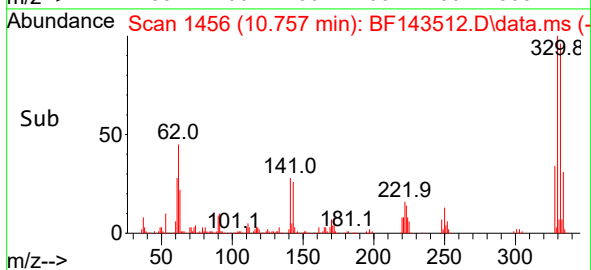
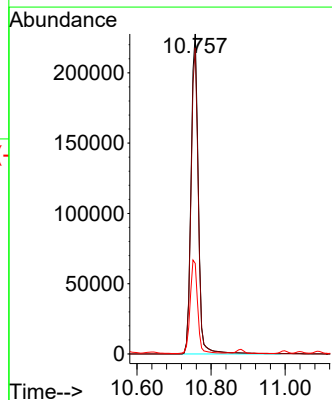
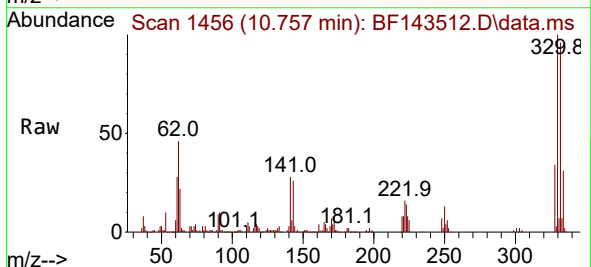
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

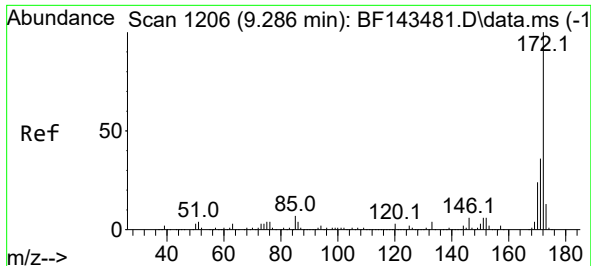
Tgt Ion:164 Resp: 252028
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.6 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 132.108 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:330 Resp: 309927
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 30.1 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 79.769 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825

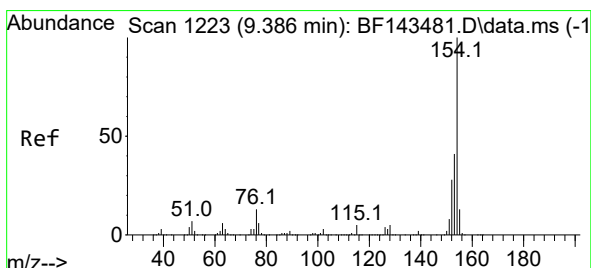
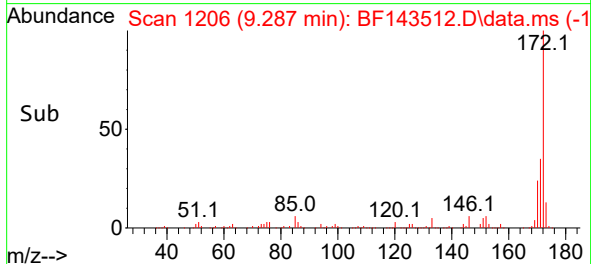
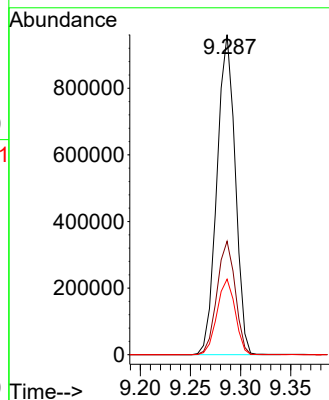
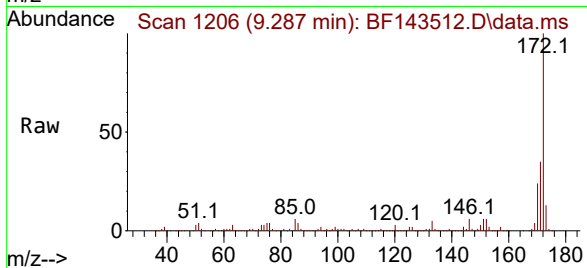
Tgt Ion:172 Resp: 1216462

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 28.636 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

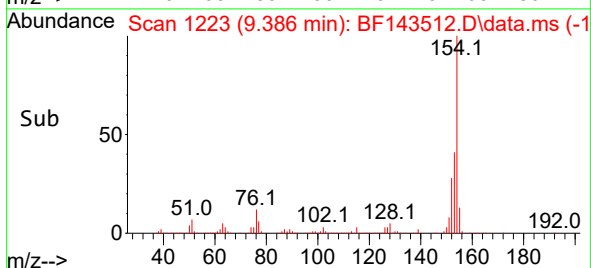
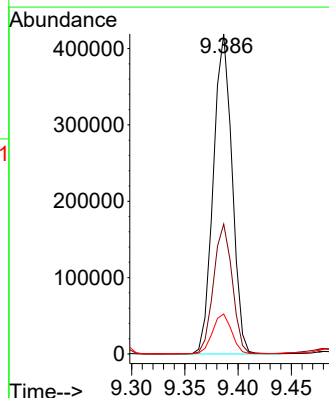
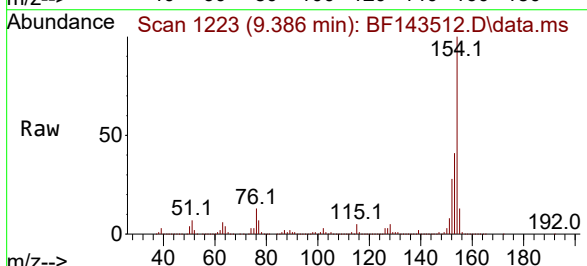
Tgt Ion:154 Resp: 512257

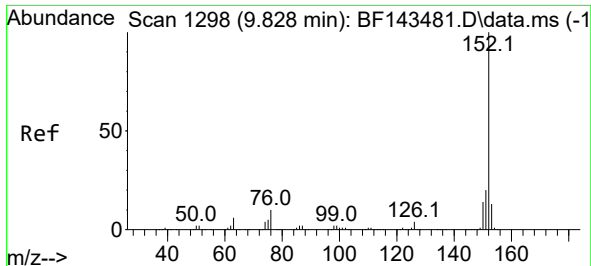
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 12.5 0.0 33.0





#49

Acenaphthylene

Concen: 154.837 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825

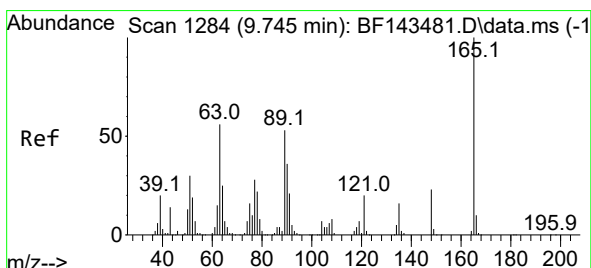
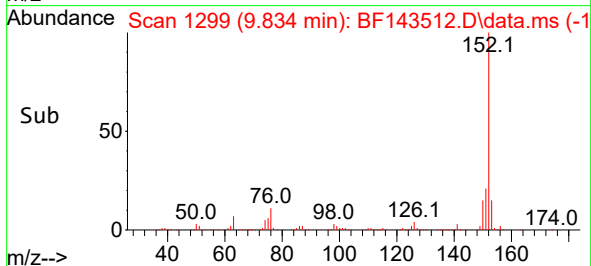
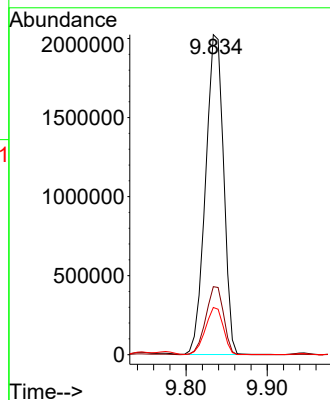
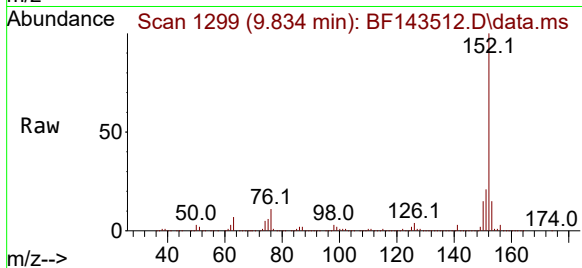
Tgt Ion:152 Resp: 3111758

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.4

153 14.7 10.6 15.8



#51

2,6-Dinitrotoluene

Concen: 2.322 ng

RT: 9.657 min Scan# 1269

Delta R.T. -0.094 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

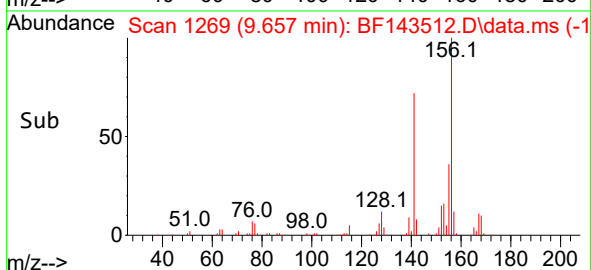
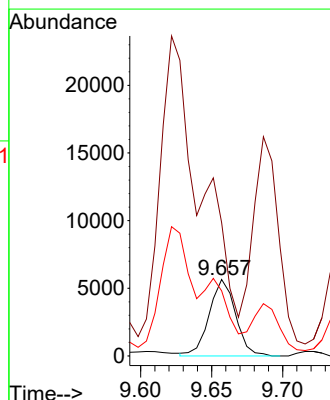
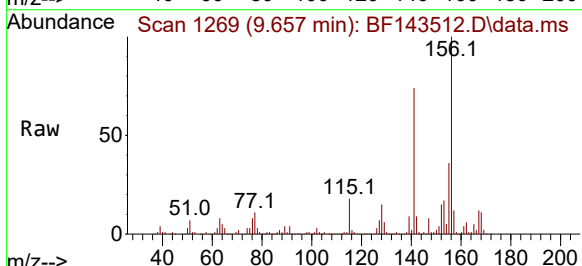
Tgt Ion:165 Resp: 7304

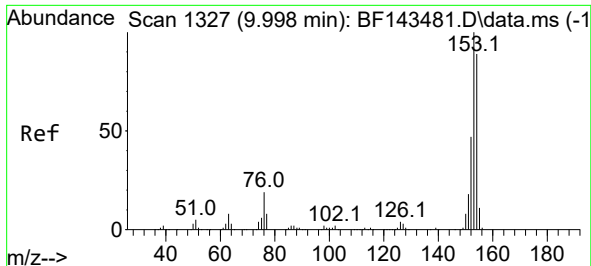
Ion Ratio Lower Upper

165 100

63 174.0 45.0 67.6#

89 85.1 42.5 63.7#

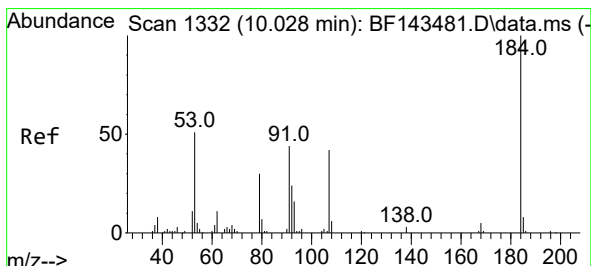
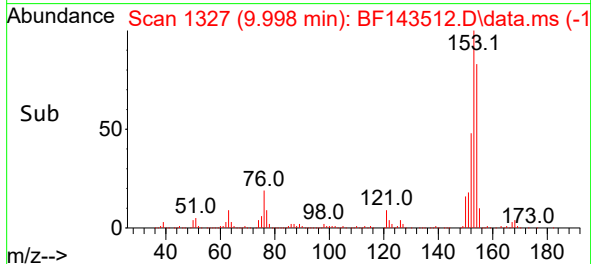
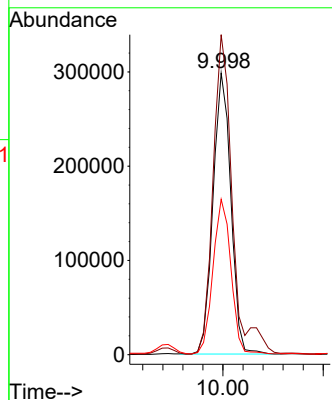
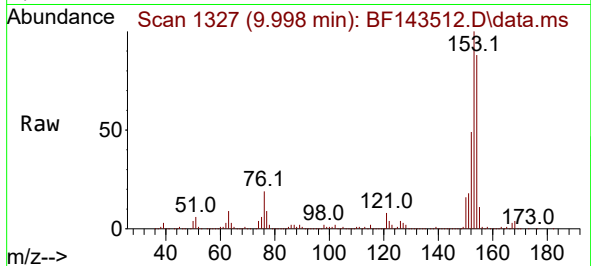




#52
Acenaphthene
Concen: 26.916 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

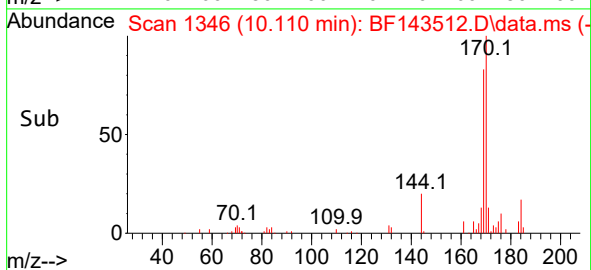
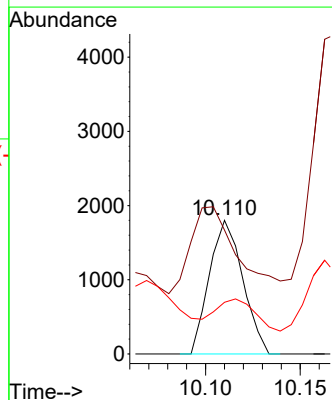
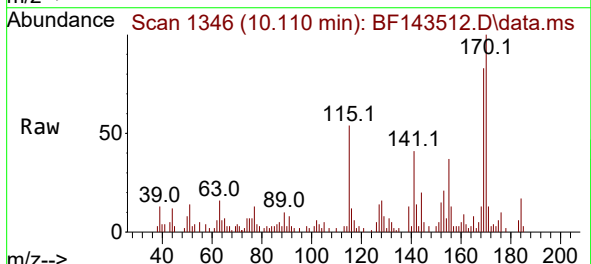
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

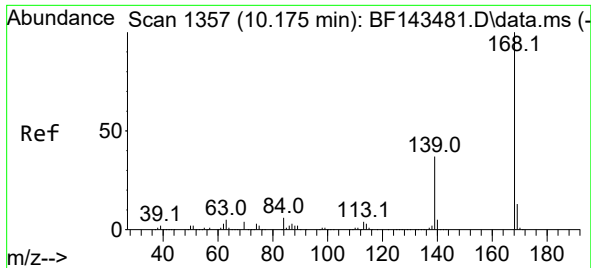
Tgt Ion:154 Resp: 367277
Ion Ratio Lower Upper
154 100
153 113.6 89.5 134.3
152 55.2 42.5 63.7



#54
2,4-Dinitrophenol
Concen: 6.518 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.082 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:184 Resp: 2207
Ion Ratio Lower Upper
184 100
63 92.7 52.6 78.8#
154 38.8 51.0 76.4#

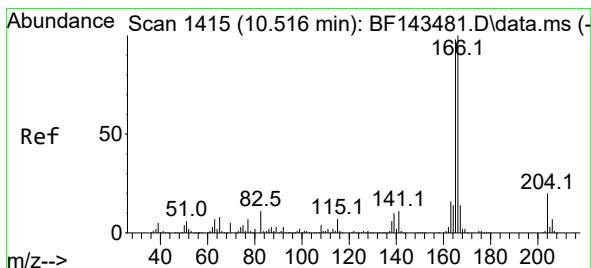
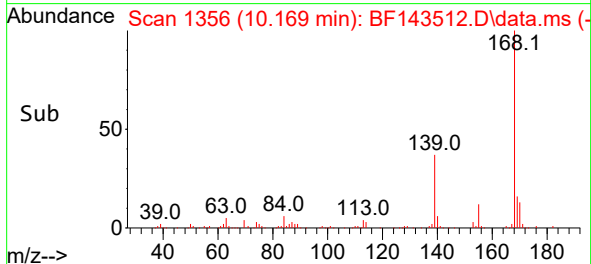
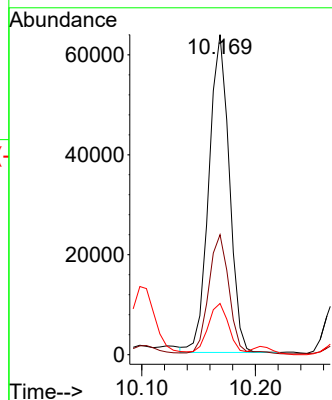
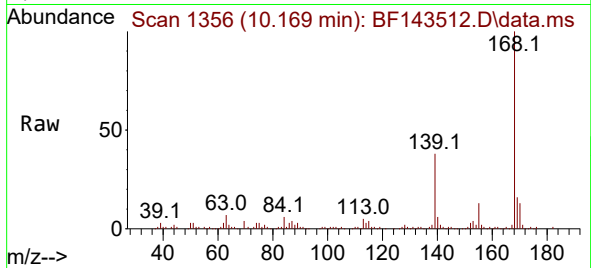




#55
Dibenzenofuran
Concen: 4.068 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

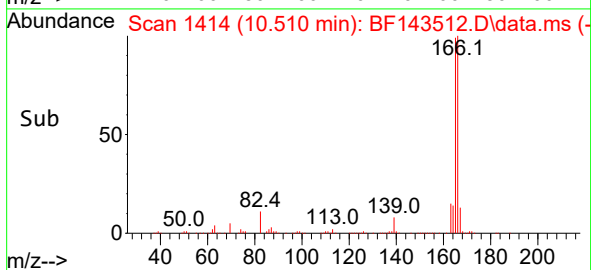
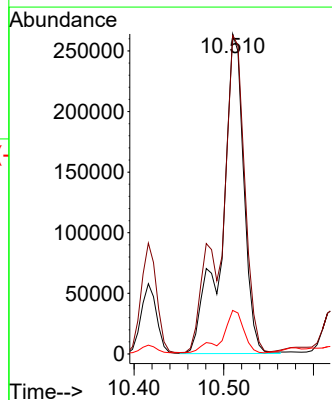
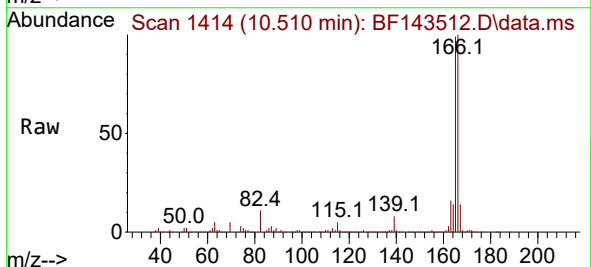
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

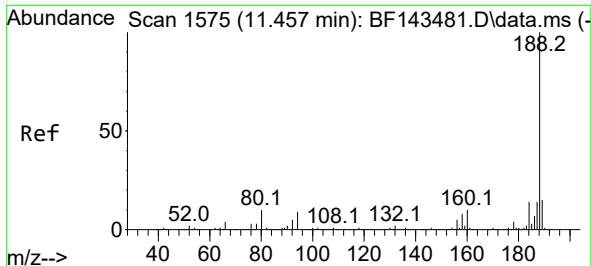
Tgt Ion:168 Resp: 79131
Ion Ratio Lower Upper
168 100
139 37.5 29.8 44.6
169 16.0 10.8 16.2



#58
Fluorene
Concen: 30.020 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

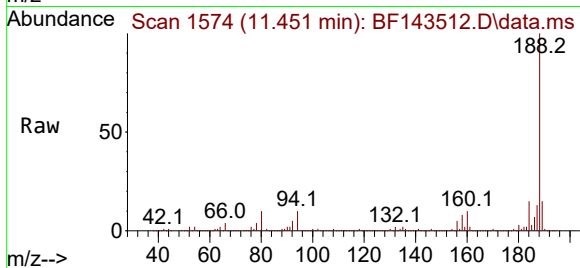
Tgt Ion:166 Resp: 449481
Ion Ratio Lower Upper
166 100
165 99.5 78.3 117.5
167 13.6 11.0 16.4



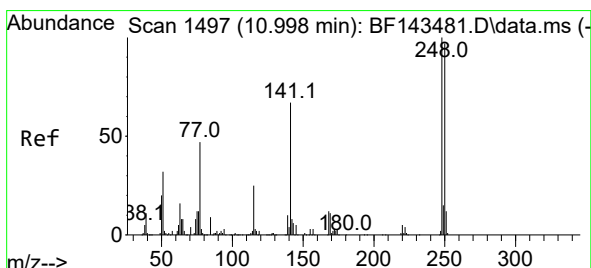
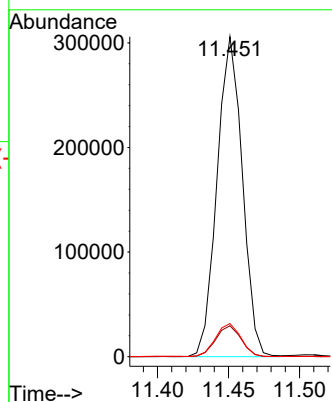
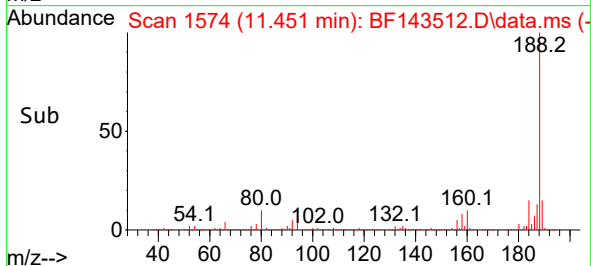


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

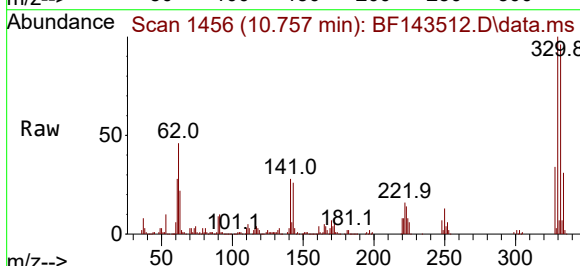
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825



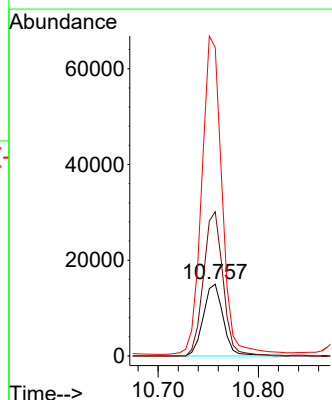
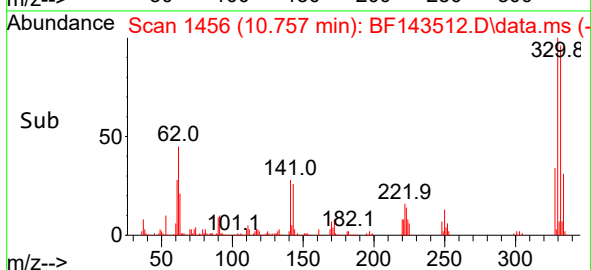
Tgt Ion:188 Resp: 378389
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.3 8.2 12.4

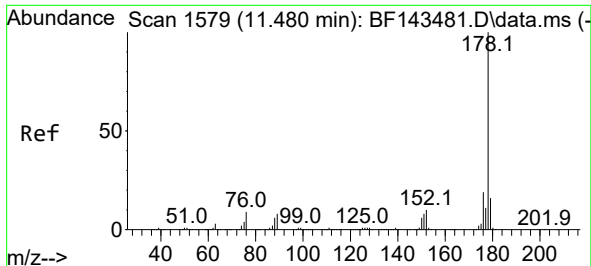


#67
4-Bromophenyl-phenylether
Concen: 4.595 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49



Tgt Ion:248 Resp: 20746
Ion Ratio Lower Upper
248 100
250 201.0 77.8 116.8#
141 429.9 54.0 81.0#

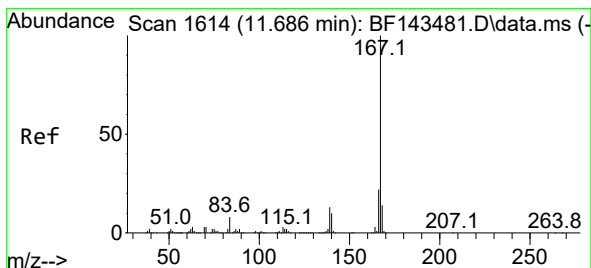
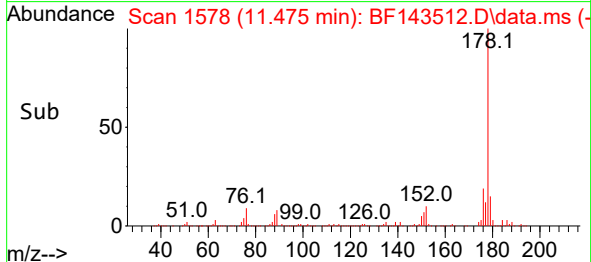
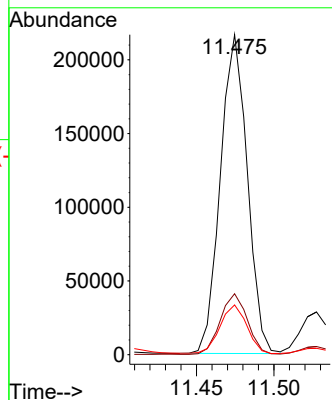
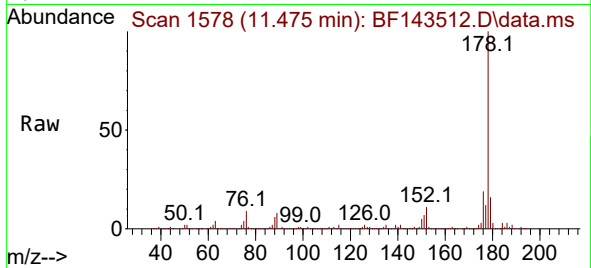




#71
Phenanthrene
Concen: 12.888 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

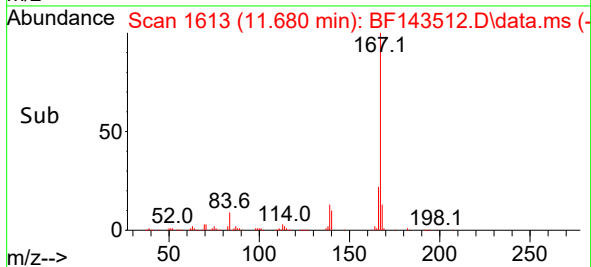
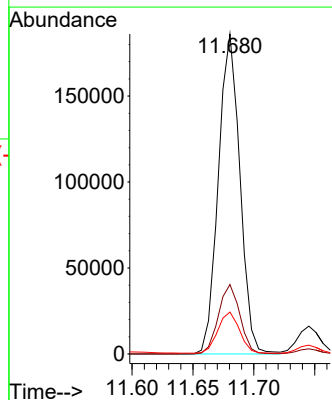
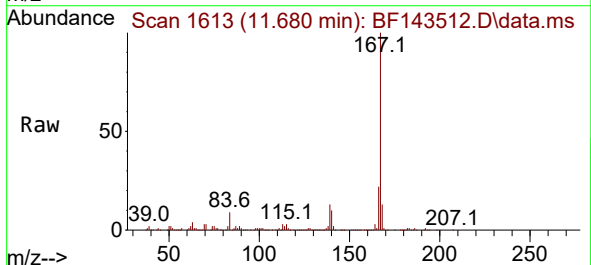
Instrument :
BNA_F
ClientSampleId :
DUP-01-081825

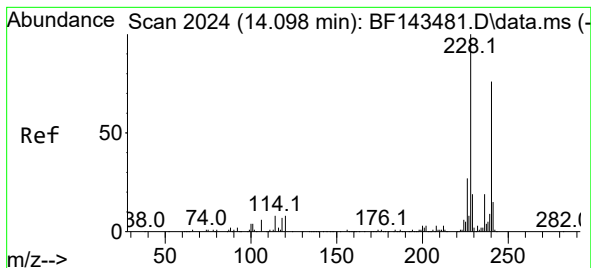
Tgt Ion:178 Resp: 261150
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.5 18.7



#73
Carbazole
Concen: 13.644 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143512.D
Acq: 21 Aug 2025 04:49

Tgt Ion:167 Resp: 229495
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 13.1 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143512.D

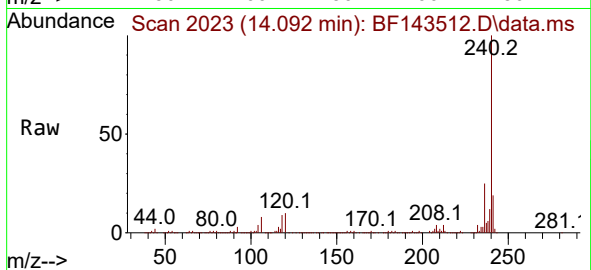
Acq: 21 Aug 2025 04:49

Instrument :

BNA_F

ClientSampleId :

DUP-01-081825



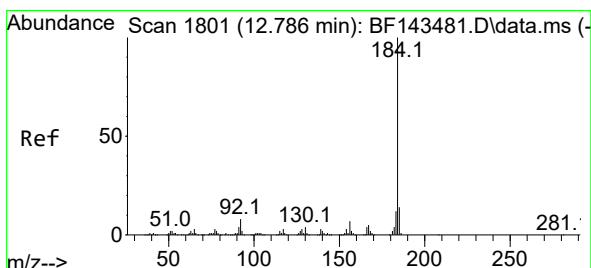
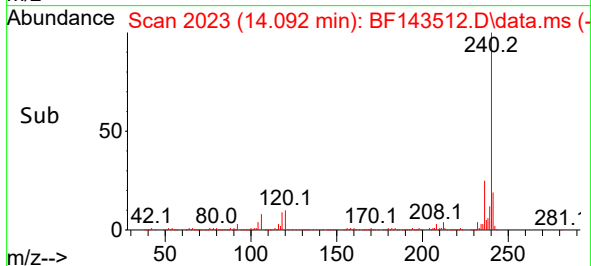
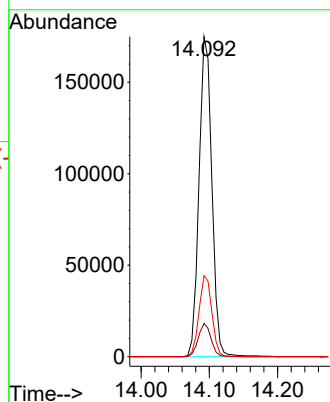
Tgt Ion:240 Resp: 228850

Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 25.3 20.4 30.6



#77

Benidine

Concen: 2.508 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143512.D

Acq: 21 Aug 2025 04:49

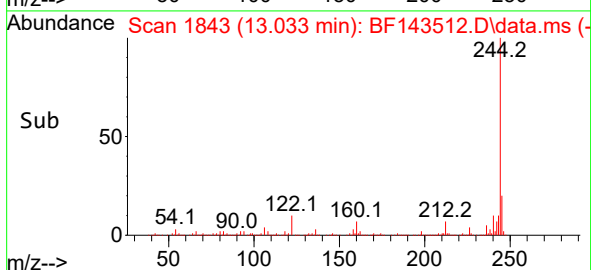
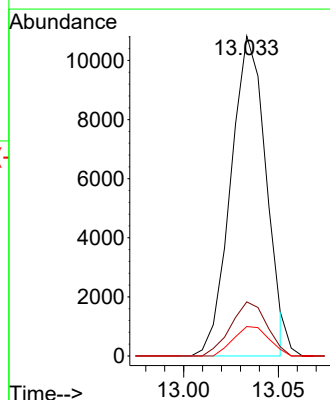
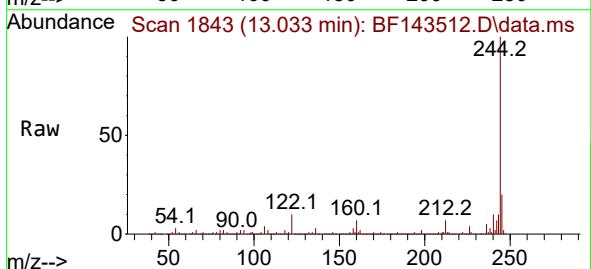
Tgt Ion:184 Resp: 13979

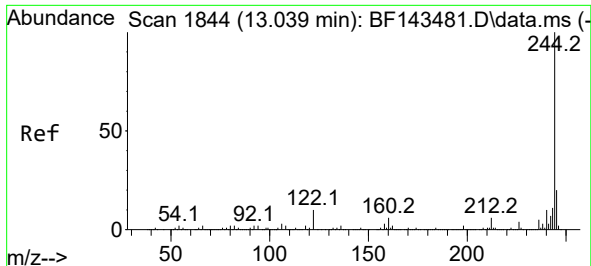
Ion Ratio Lower Upper

184 100

185 16.9 11.3 16.9

183 9.2 9.5 14.3#

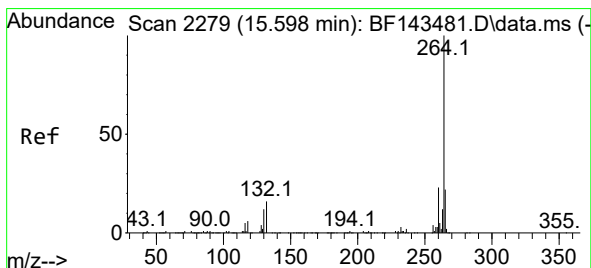
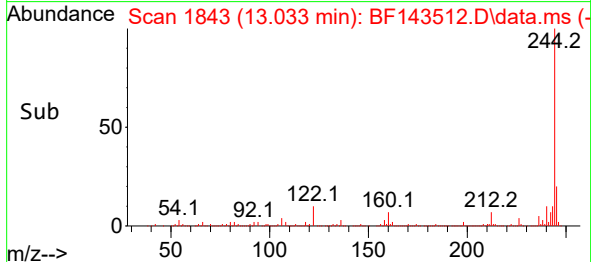
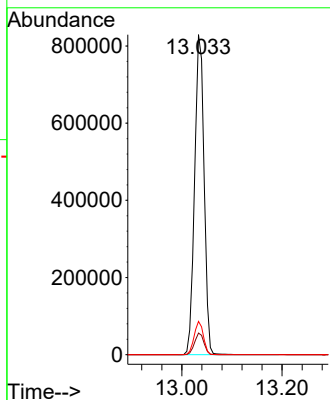
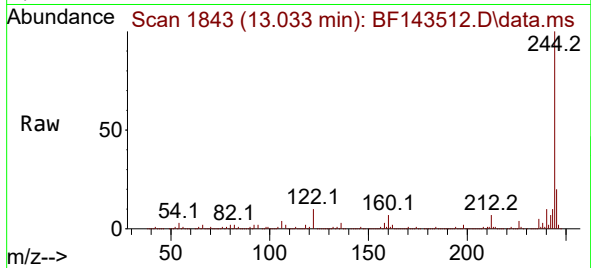




#79
 Terphenyl-d14
 Concen: 82.687 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143512.D
 Acq: 21 Aug 2025 04:49

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-081825

Tgt Ion:244 Resp: 1084386
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 10.4 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143512.D
 Acq: 21 Aug 2025 04:49

Tgt Ion:264 Resp: 280609
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.7 28.1
 265 21.0 17.6 26.4

