

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142878.D
 Acq On : 26 Jun 2025 20:03
 Operator : RC/JU
 Sample : Q2415-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 27 01:21:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

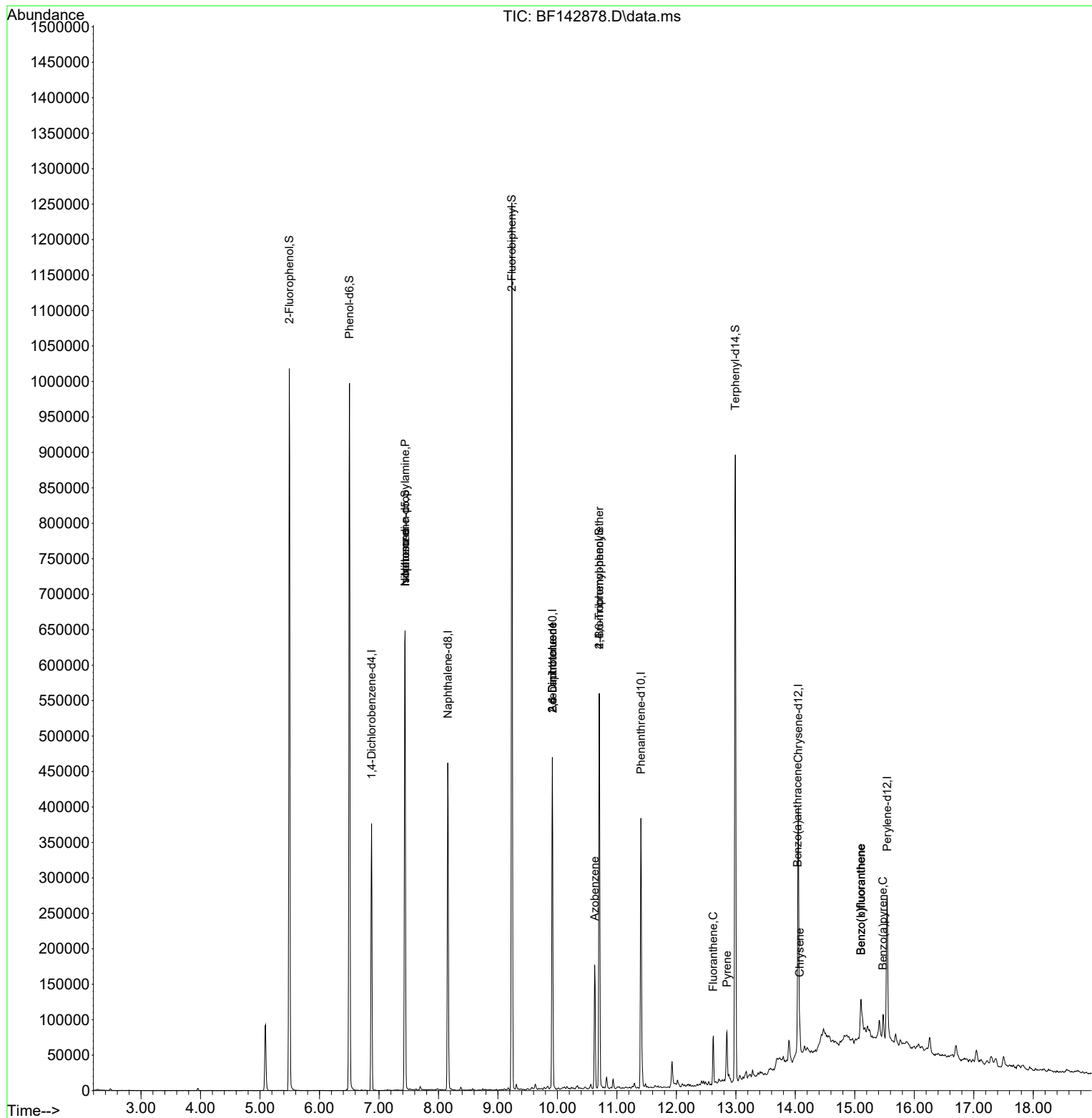
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80129	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	294900	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	139016	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	192499	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155729	20.000	ng	0.00
86) Perylene-d12	15.545	264	121209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	387025	80.416	ng	0.00
7) Phenol-d6	6.504	99	459158	80.864	ng	0.00
23) Nitrobenzene-d5	7.440	82	283457	52.722	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	92695	64.796	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	550535	52.024	ng	-0.01
79) Terphenyl-d14	12.992	244	422470	37.484	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	37370	11.316	ng	# 75
25) Isophorone	7.440	82	283454	32.866	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	18065	9.141	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	18065	6.882	ng	# 26
63) Azobenzene	10.628	77	40525	5.139	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5879	2.683	ng	# 1
75) Fluoranthene	12.622	202	38975	3.938	ng	100
78) Pyrene	12.851	202	41043	2.812	ng	98
81) Benzo(a)anthracene	14.039	228	26032	2.478	ng	96
83) Chrysene	14.074	228	21834	2.329	ng	98
88) Benzo(b)fluoranthene	15.104	252	37010	5.277	ng	# 93
89) Benzo(k)fluoranthene	15.104	252	37010	5.640	ng	# 93
90) Benzo(a)pyrene	15.474	252	19938	2.943	ng	# 93

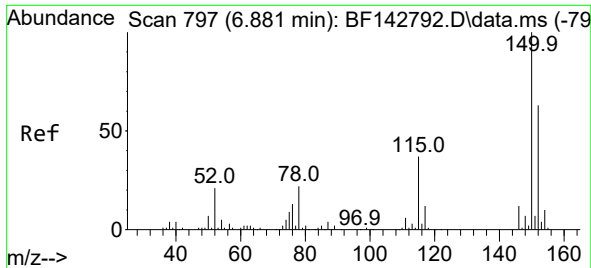
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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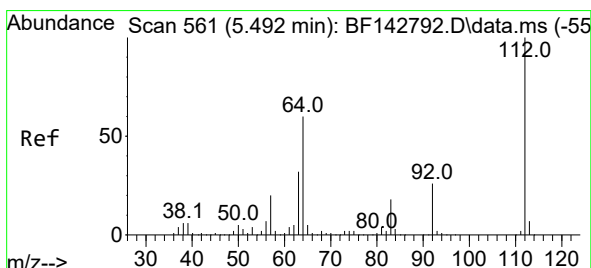
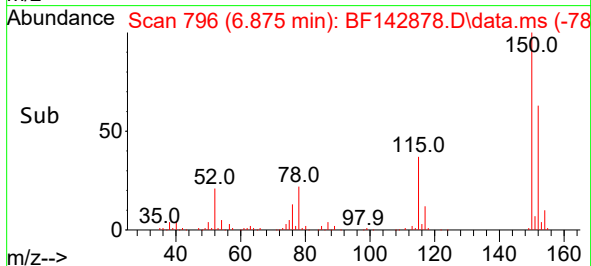
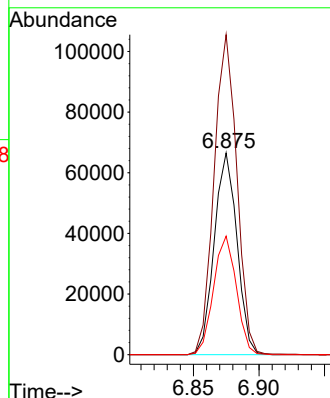
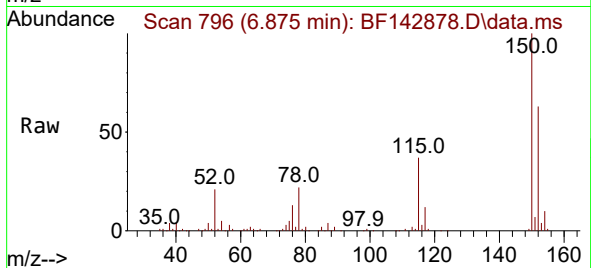




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

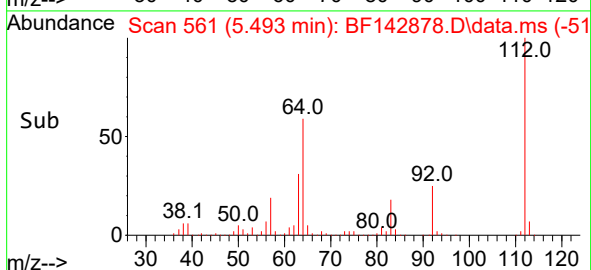
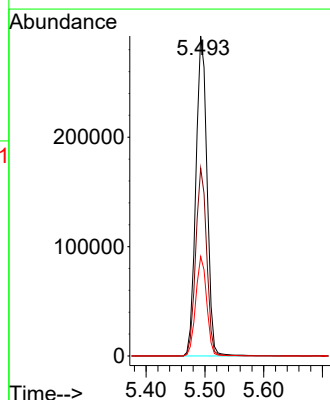
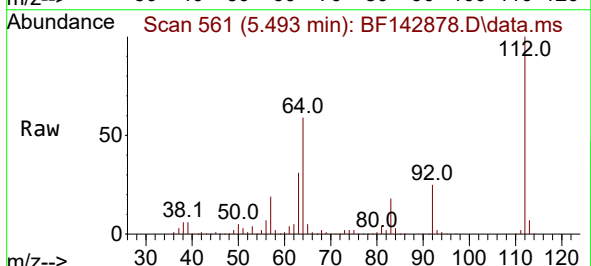
Instrument :
BNA_F
ClientSampleId :
WC-1

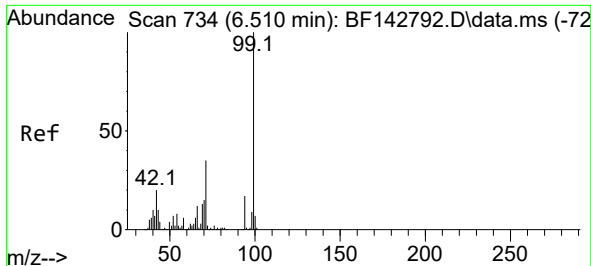
Tgt Ion:152 Resp: 80129
Ion Ratio Lower Upper
152 100
150 158.5 127.2 190.8
115 58.7 46.6 69.8



#5
2-Fluorophenol
Concen: 80.416 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:112 Resp: 387025
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.1 25.7 38.5





#7

Phenol-d6

Concen: 80.864 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Instrument :

BNA_F

ClientSampleId :

WC-1

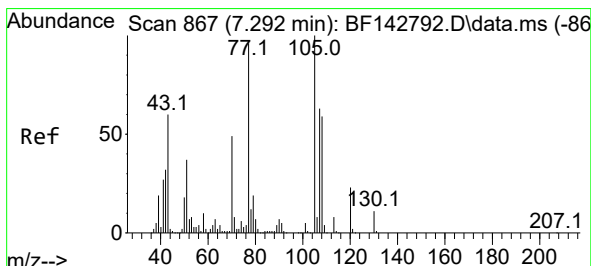
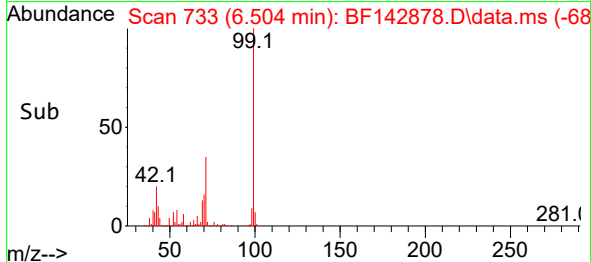
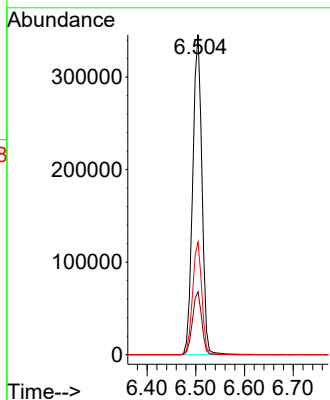
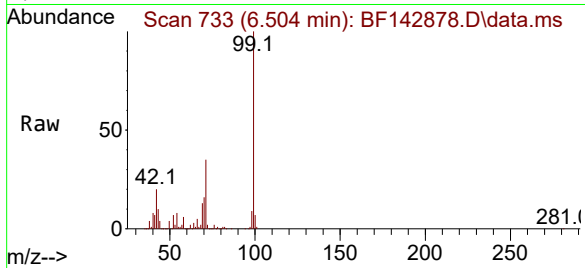
Tgt Ion: 99 Resp: 459158

Ion Ratio Lower Upper

99 100

42 19.6 15.9 23.9

71 35.2 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.316 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Tgt Ion: 70 Resp: 37370

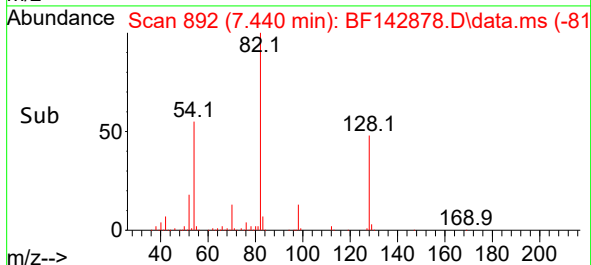
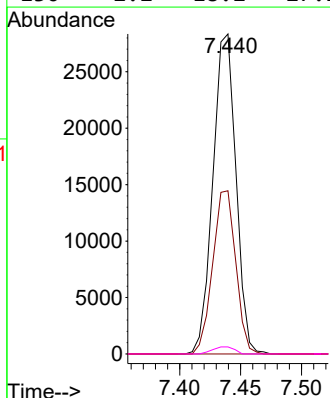
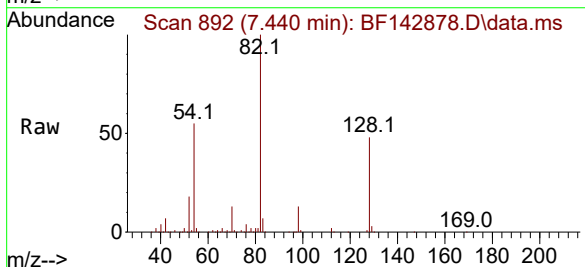
Ion Ratio Lower Upper

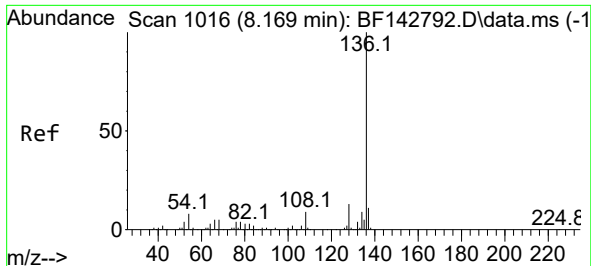
70 100

42 51.0 52.1 78.1#

101 0.0 8.2 12.2#

130 2.2 18.2 27.2#

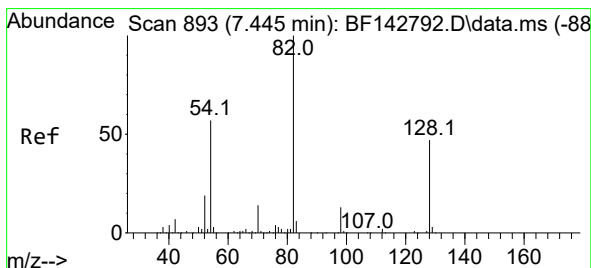
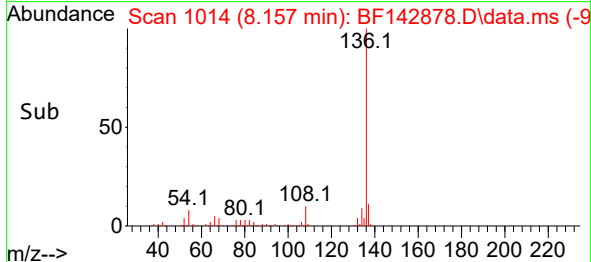
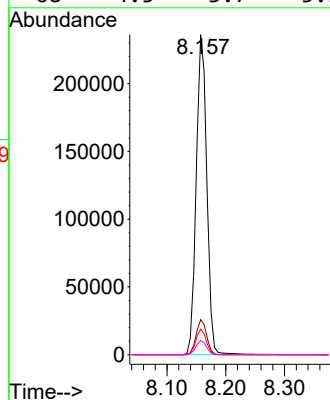
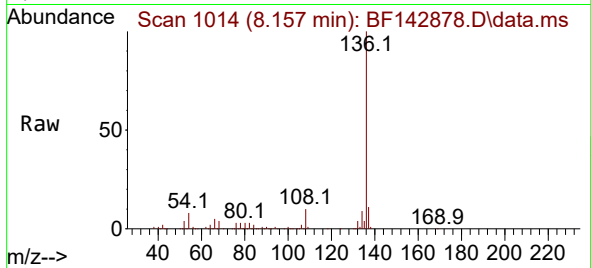




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

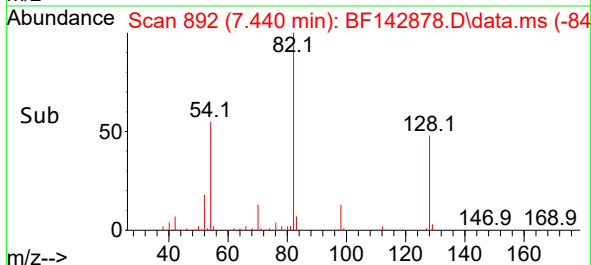
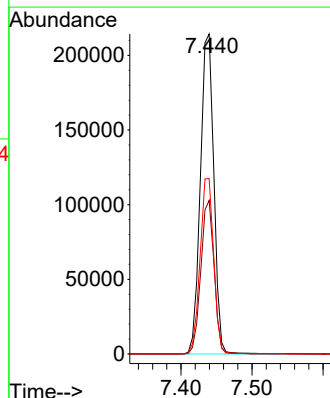
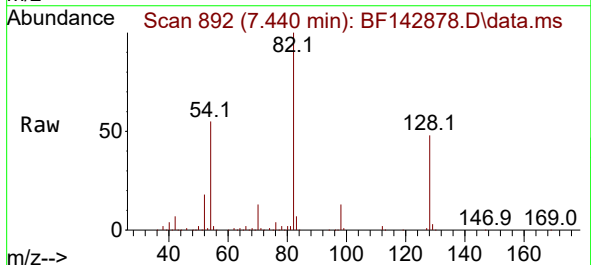
Instrument :
BNA_F
ClientSampleId :
WC-1

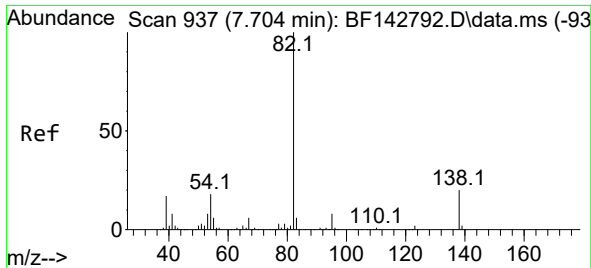
Tgt Ion:136 Resp: 294900
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 52.722 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion: 82 Resp: 283457
Ion Ratio Lower Upper
82 100
128 48.0 37.7 56.5
54 54.8 45.7 68.5

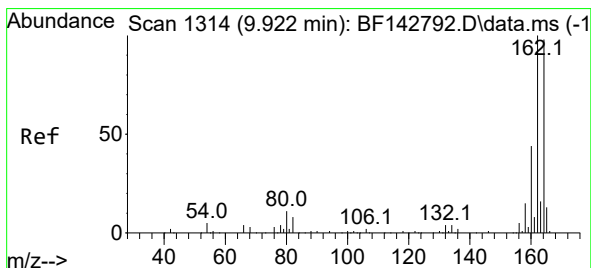
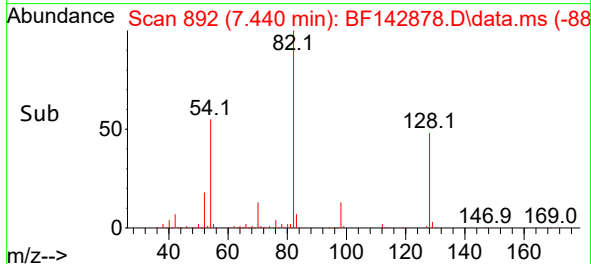
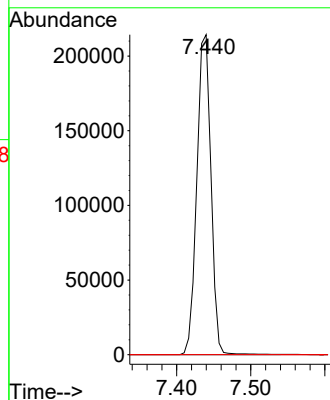
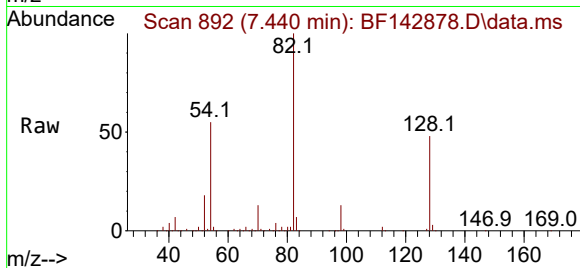




#25
Isophorone
Concen: 32.866 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.264 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

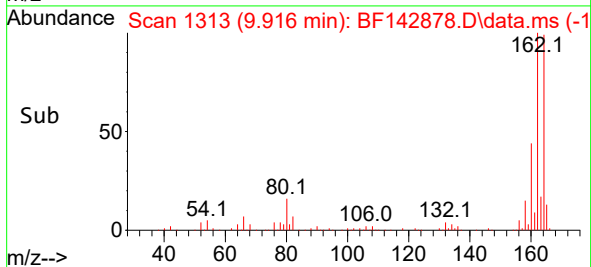
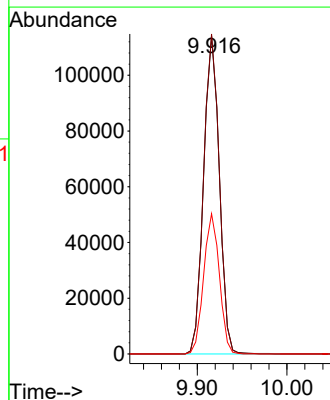
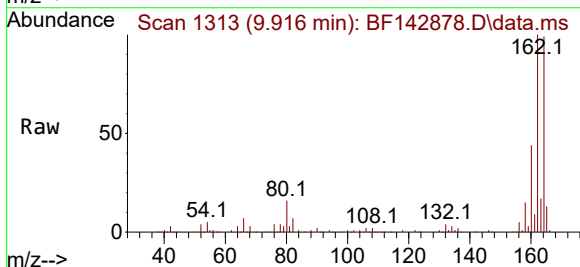
Instrument :
BNA_F
ClientSampleId :
WC-1

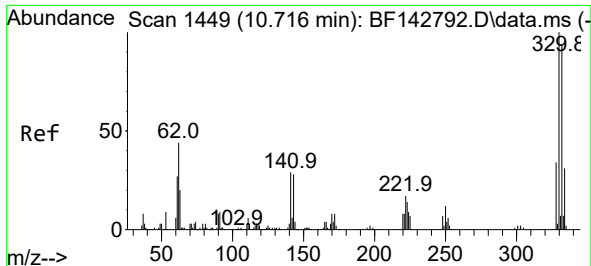
Tgt Ion: 82 Resp: 283454
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:164 Resp: 139016
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.1 36.0 54.0

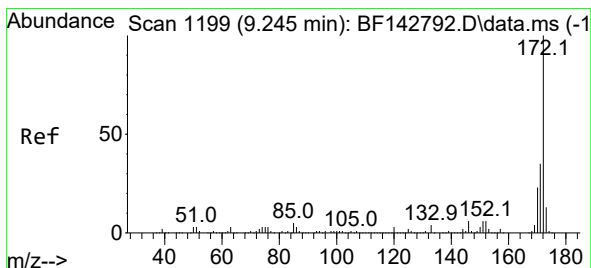
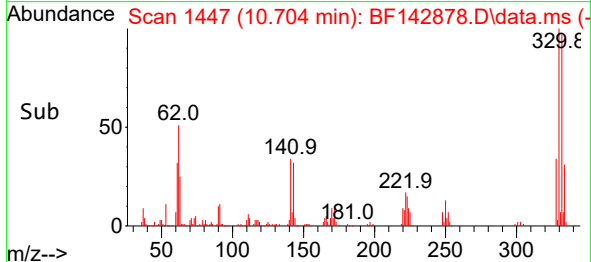
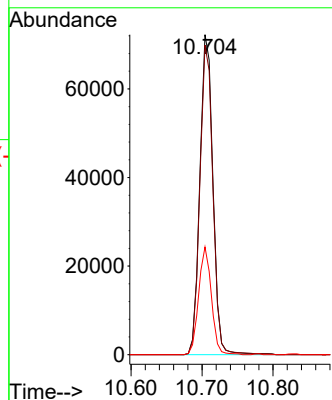
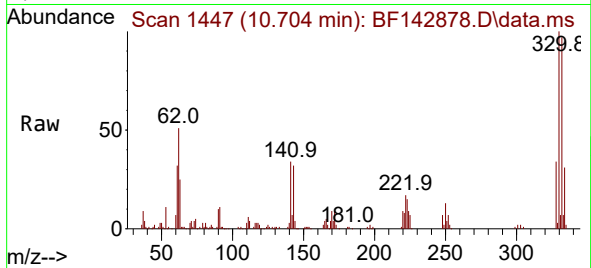




#42
2,4,6-Tribromophenol
Concen: 64.796 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

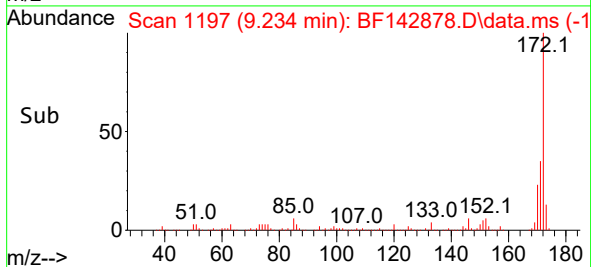
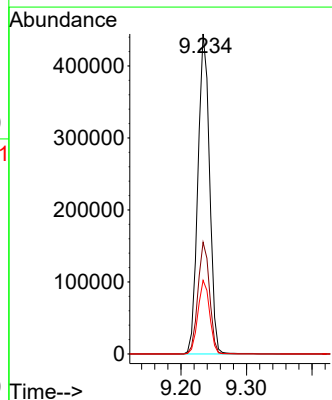
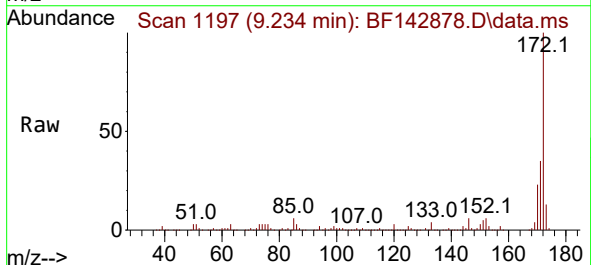
Instrument :
BNA_F
ClientSampleId :
WC-1

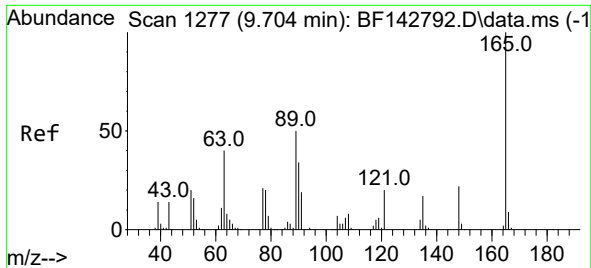
Tgt Ion:330 Resp: 92695
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 32.8 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 52.024 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:172 Resp: 550535
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.0 18.5 27.7

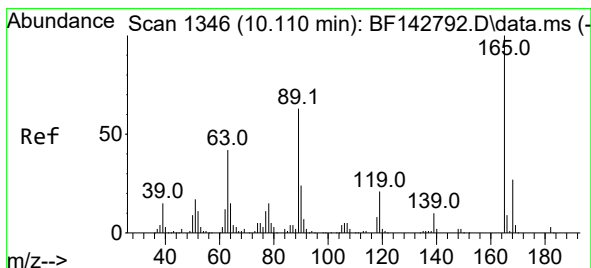
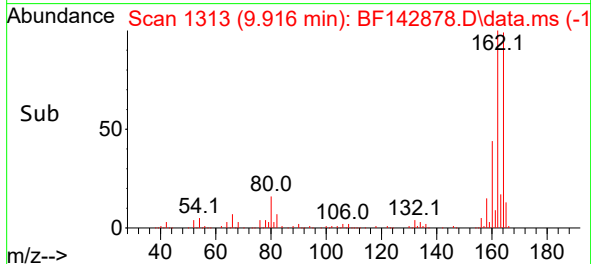
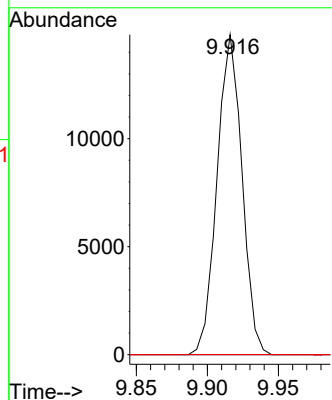
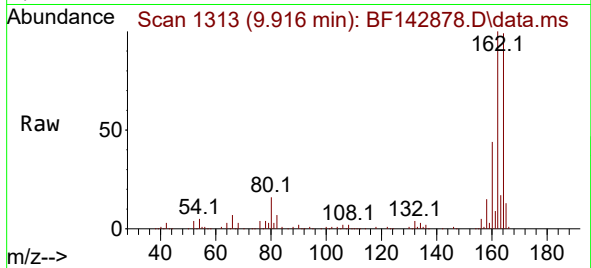




#51
2,6-Dinitrotoluene
Concen: 9.141 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

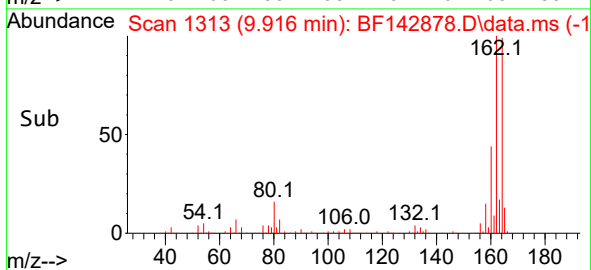
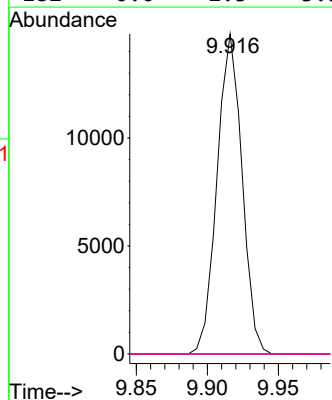
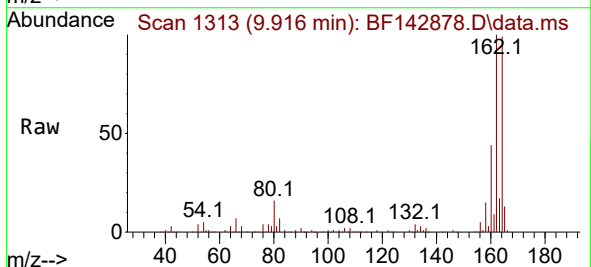
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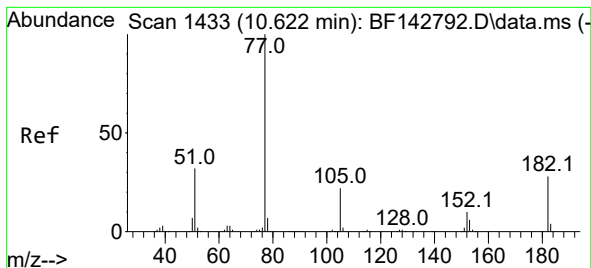
Tgt Ion:165 Resp: 18065
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.882 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:165 Resp: 18065
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.139 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 40525

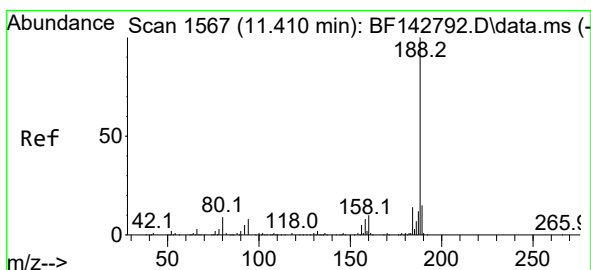
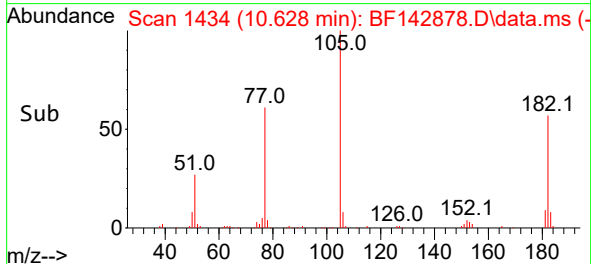
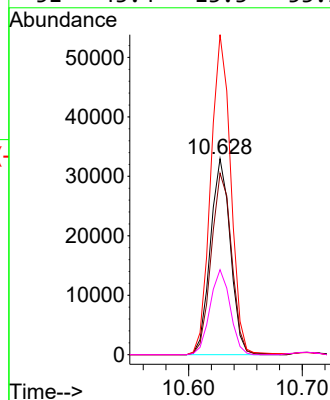
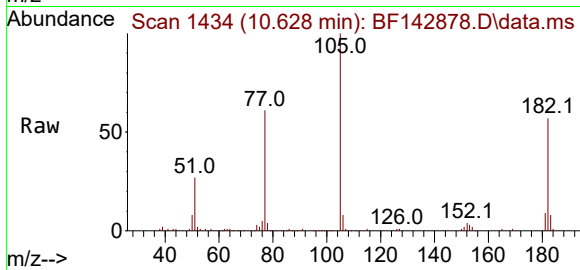
Ion Ratio Lower Upper

77 100

182 92.6 7.7 47.7#

105 163.2 1.9 41.9#

51 43.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

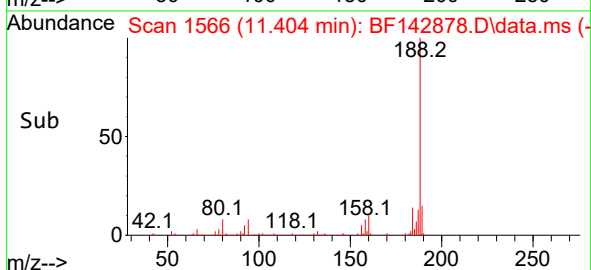
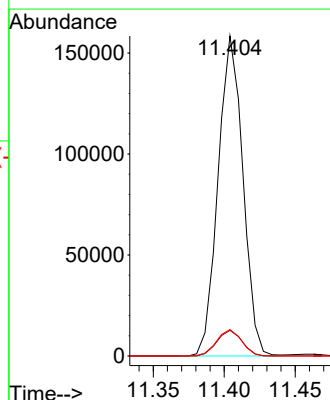
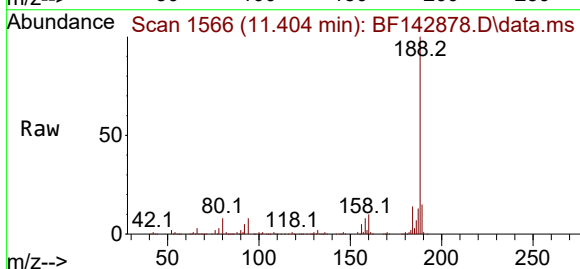
Tgt Ion: 188 Resp: 192499

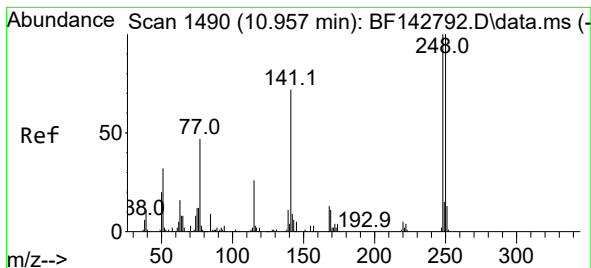
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.3 6.9 10.3

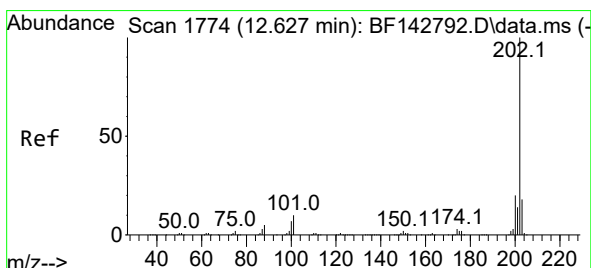
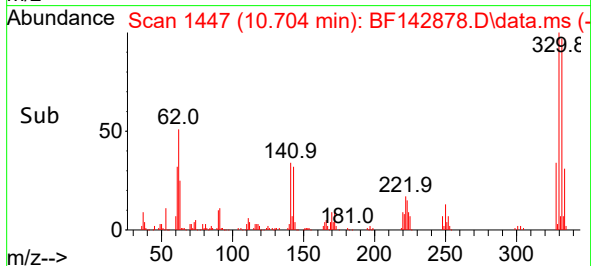
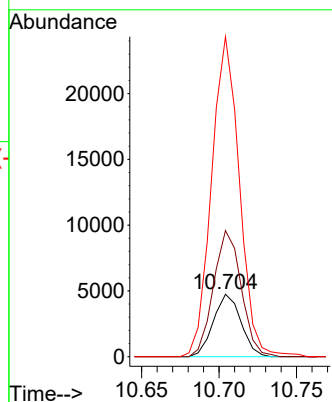
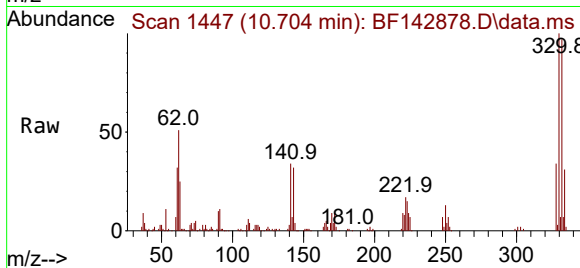




#67
4-Bromophenyl-phenylether
Concen: 2.683 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

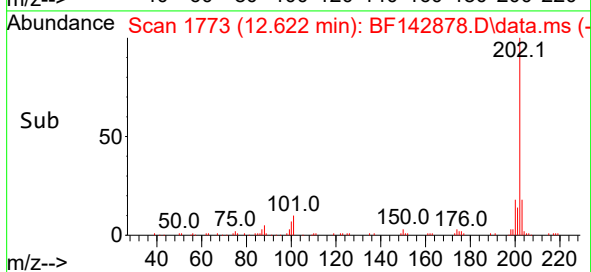
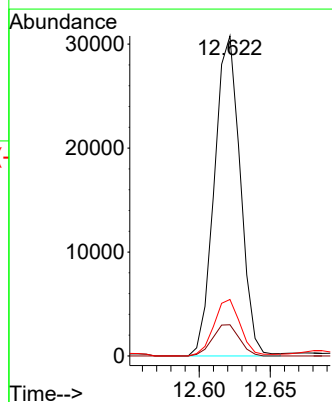
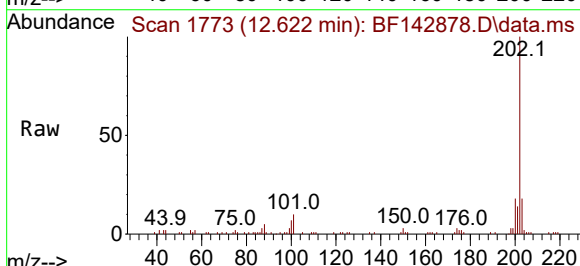
Instrument :
BNA_F
ClientSampleId :
WC-1

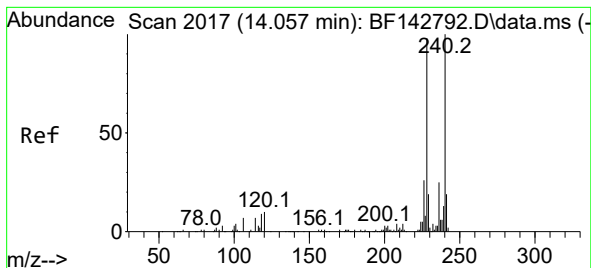
Tgt Ion:248 Resp: 5879
Ion Ratio Lower Upper
248 100
250 201.9 79.8 119.8#
141 512.2 57.8 86.6#



#75
Fluoranthene
Concen: 3.938 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:202 Resp: 38975
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Instrument :

BNA_F

ClientSampleId :

WC-1

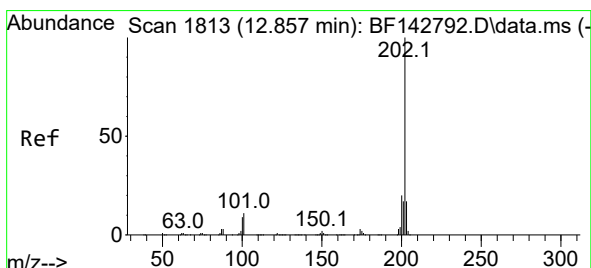
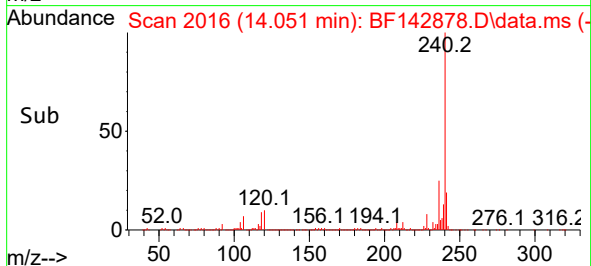
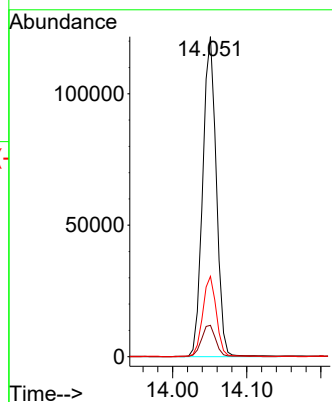
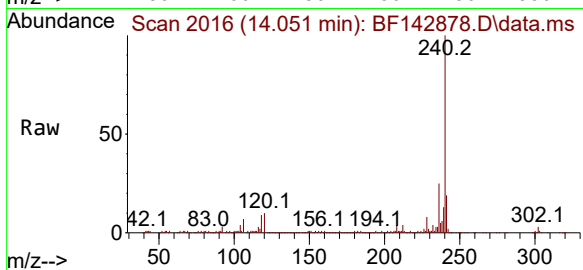
Tgt Ion:240 Resp: 155729

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.1 19.8 29.8



#78

Pyrene

Concen: 2.812 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

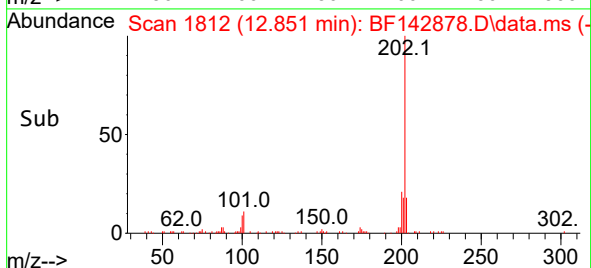
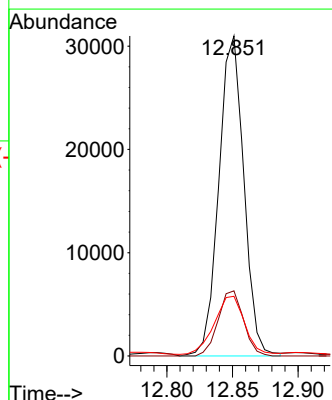
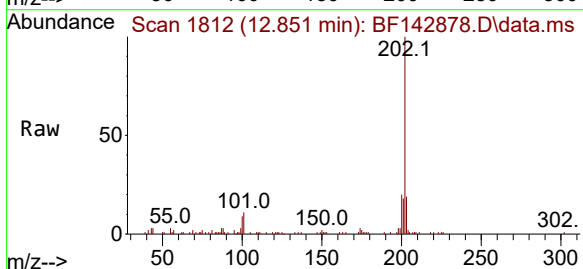
Tgt Ion:202 Resp: 41043

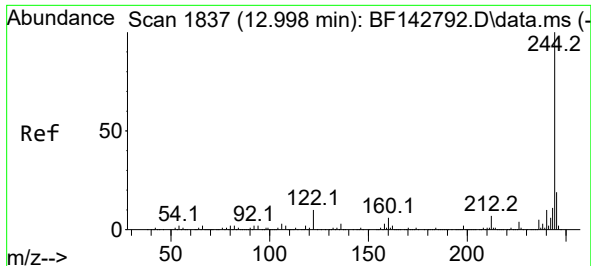
Ion Ratio Lower Upper

202 100

200 20.4 15.7 23.5

203 18.6 13.8 20.6

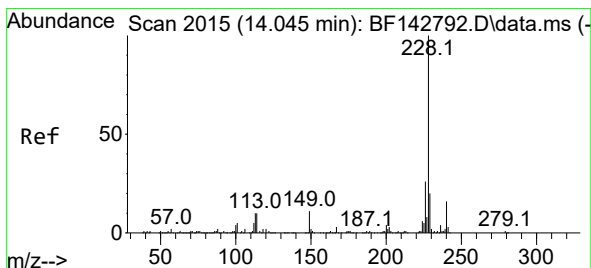
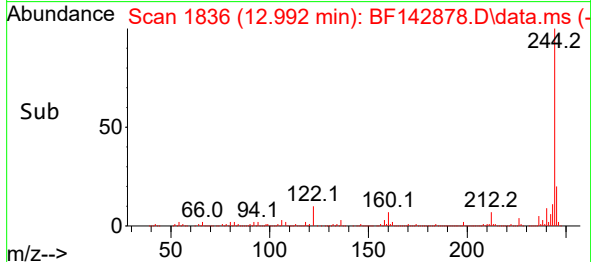
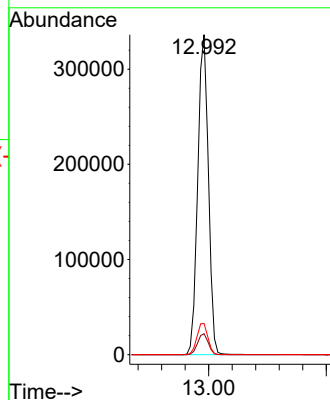
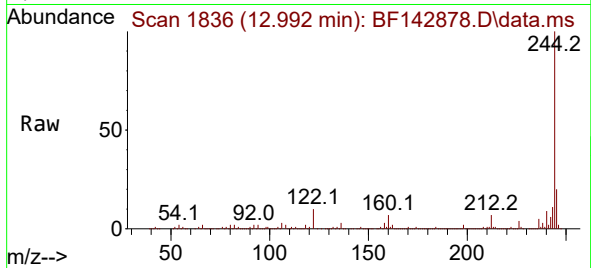




#79
 Terphenyl-d14
 Concen: 37.484 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142878.D
 Acq: 26 Jun 2025 20:03

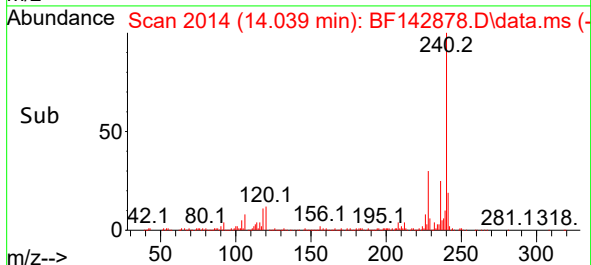
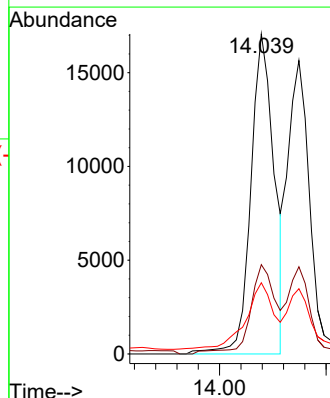
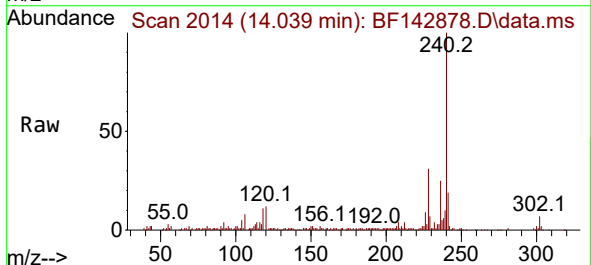
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

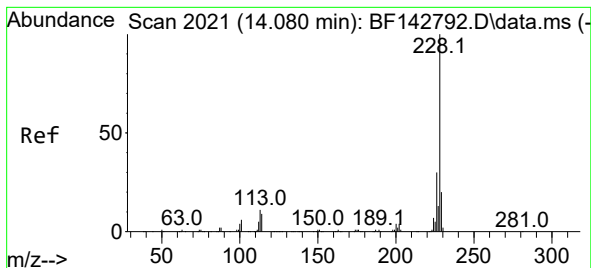
Tgt Ion:244 Resp: 422470
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.478 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142878.D
 Acq: 26 Jun 2025 20:03

Tgt Ion:228 Resp: 26032
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.2 31.8
 229 22.3 15.6 23.4





#83

Chrysene

Concen: 2.329 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Instrument :

BNA_F

ClientSampleId :

WC-1

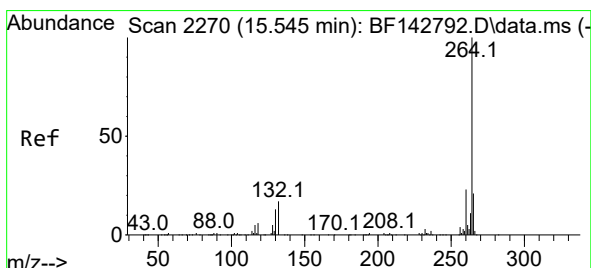
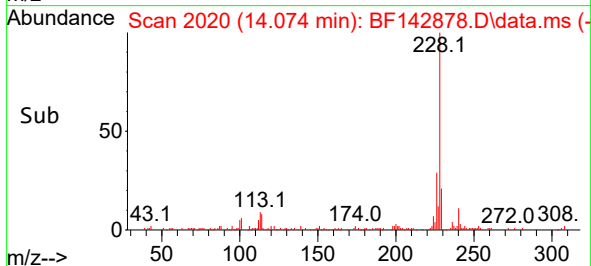
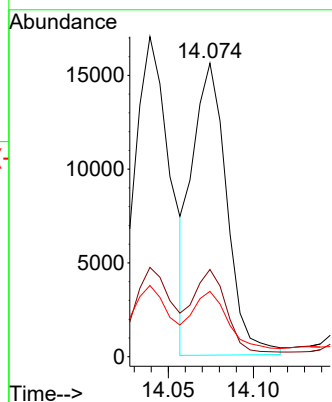
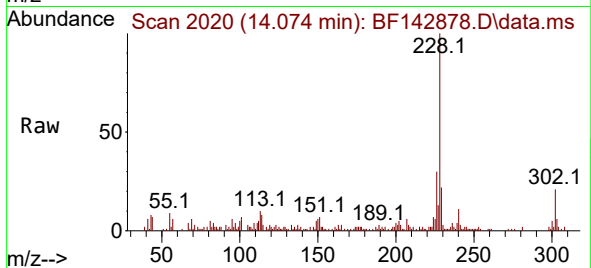
Tgt Ion:228 Resp: 21834

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 22.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

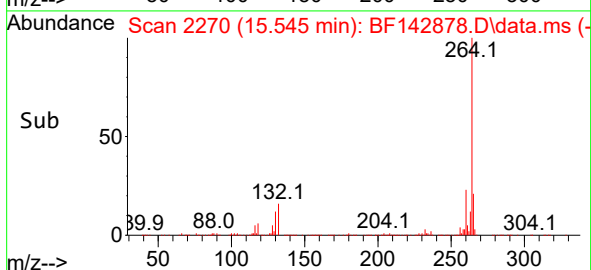
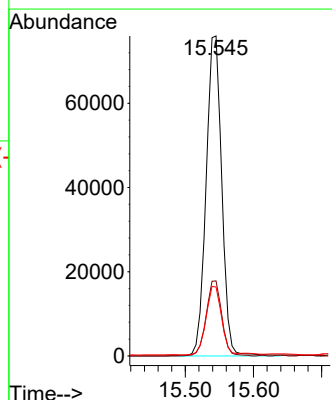
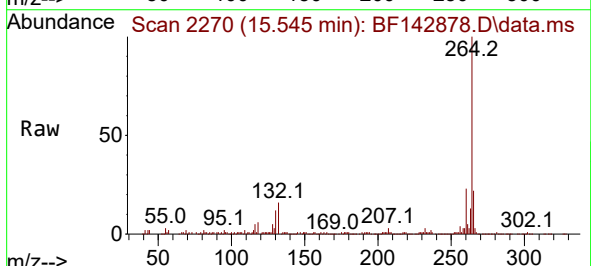
Tgt Ion:264 Resp: 121209

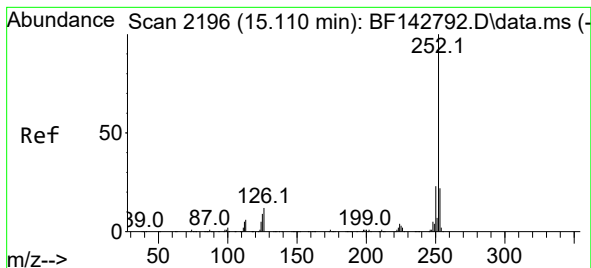
Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 21.6 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.277 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

Instrument :

BNA_F

ClientSampleId :

WC-1

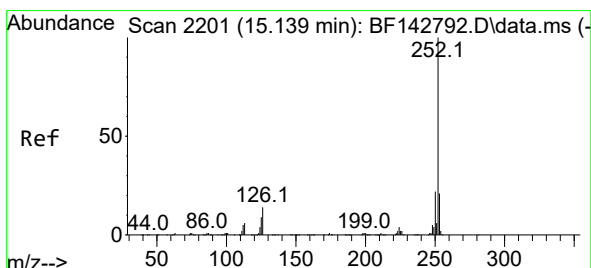
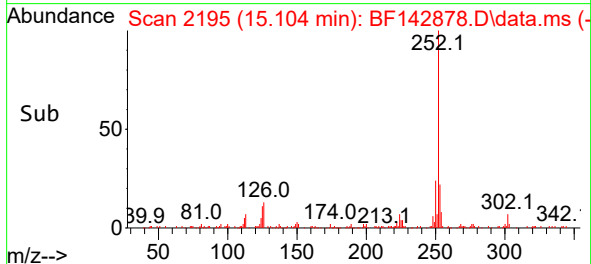
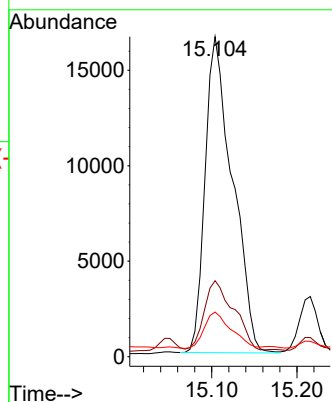
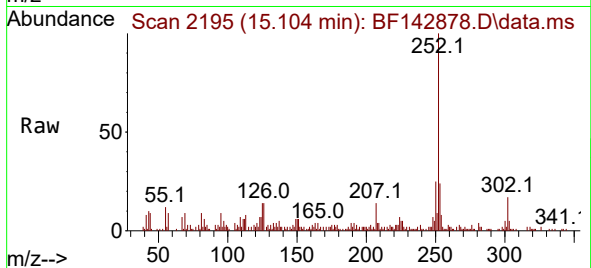
Tgt Ion:252 Resp: 37010

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 13.9 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.640 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142878.D

Acq: 26 Jun 2025 20:03

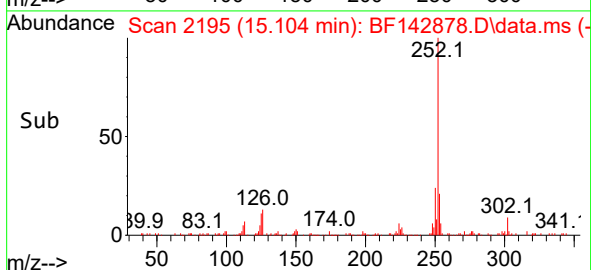
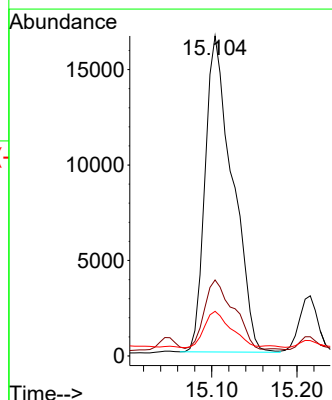
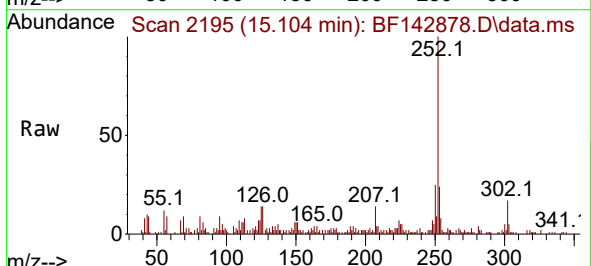
Tgt Ion:252 Resp: 37010

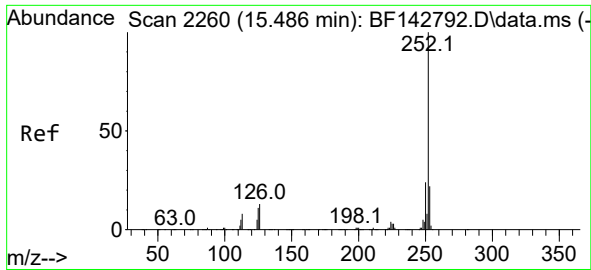
Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 13.9 7.4 11.2#





#90
 Benzo(a)pyrene
 Concen: 2.943 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142878.D
 Acq: 26 Jun 2025 20:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:252 Resp: 19938
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.5 26.3
 125 13.5 8.6 12.8#

