

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142053.D
 Acq On : 24 Mar 2025 14:25
 Operator : RC/JU
 Sample : Q1618-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 14:48:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

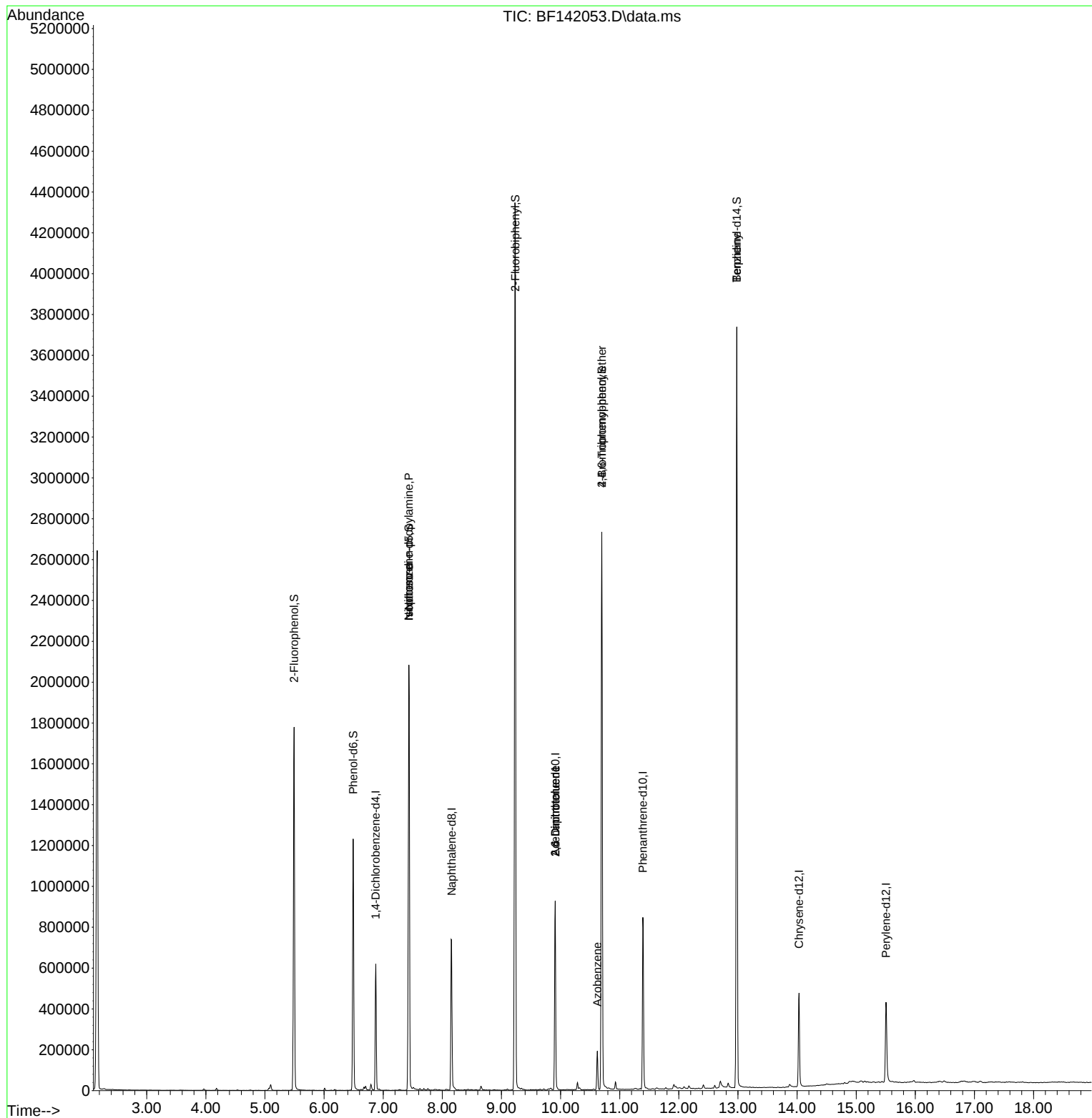
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	132504	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	513024	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	280866	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	453913	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	235597	20.000	ng	0.00
86) Perylene-d12	15.504	264	264164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	693909	87.402	ng	0.00
7) Phenol-d6	6.492	99	572809	56.666	ng	-0.01
23) Nitrobenzene-d5	7.434	82	1000189	109.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	524170	147.108	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2044627	110.711	ng	0.00
79) Terphenyl-d14	12.980	244	1880949	118.036	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	138465	21.318	ng	# 77
25) Isophorone	7.434	82	984669	61.105	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	35483	8.665	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	35483	6.634	ng	# 24
63) Azobenzene	10.622	77	47922	2.628	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	32951	5.780	ng	# 1
77) Benzidine	12.980	184	25975	7.902	ng	# 90

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

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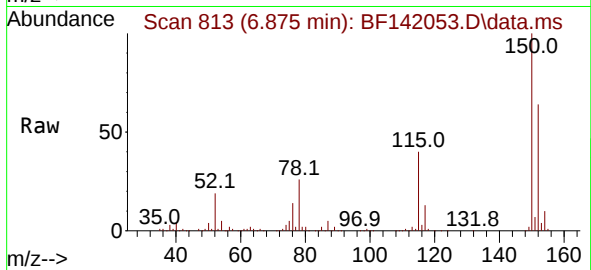
Quant Time: Mar 24 14:48:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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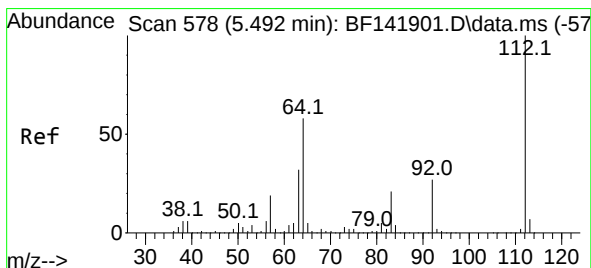
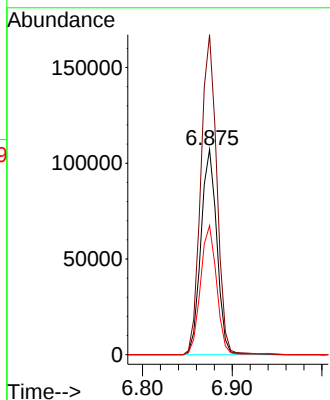
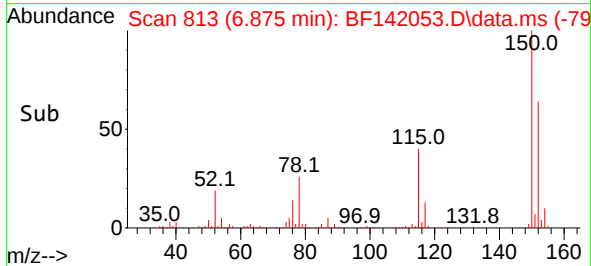


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

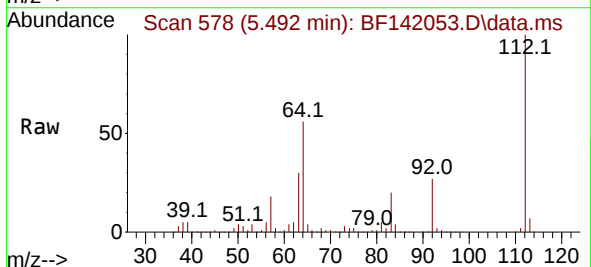
Instrument :
BNA_F
ClientSampleId :



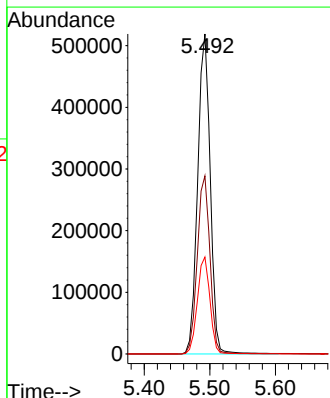
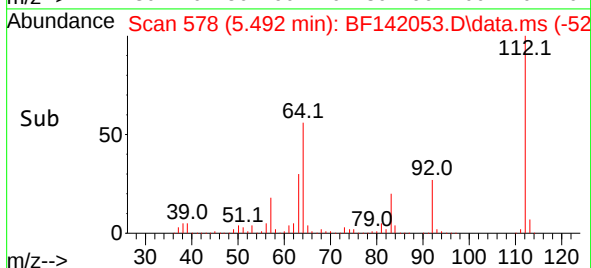
Tgt Ion:152 Resp: 132504
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 62.9 51.9 77.9



#5
2-Fluorophenol
Concen: 87.402 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25



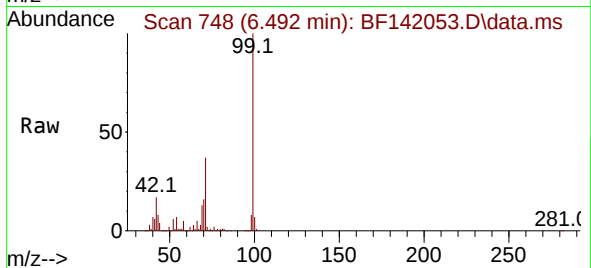
Tgt Ion:112 Resp: 693909
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 30.3 25.4 38.2



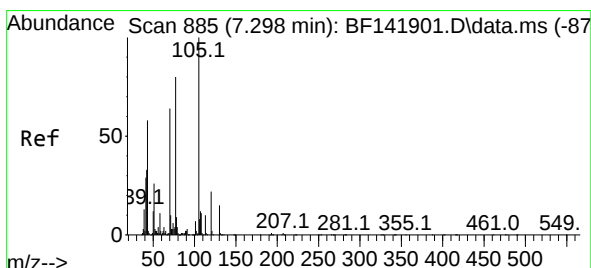
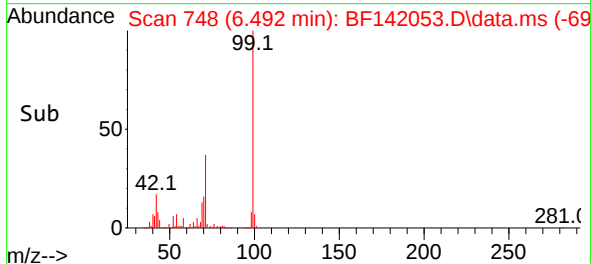
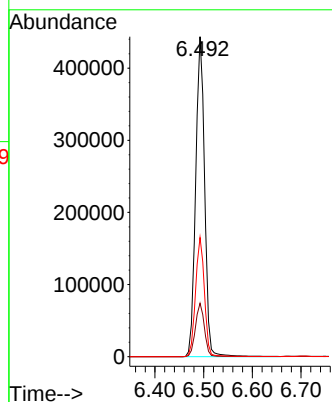


#7
Phenol-d6
Concen: 56.666 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

Instrument :
BNA_F
ClientSampleId :

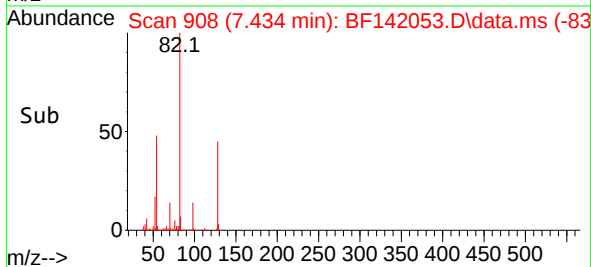
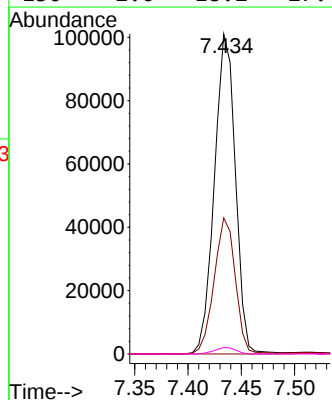
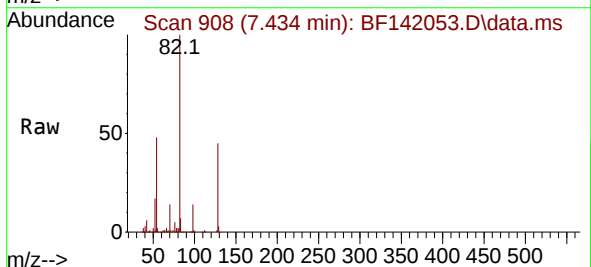


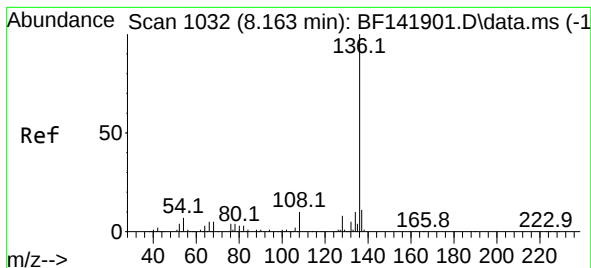
Tgt Ion: 99 Resp: 572809
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.318 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

Tgt Ion: 70 Resp: 138465
Ion Ratio Lower Upper
70 100
42 42.5 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142053.D

Acq: 24 Mar 2025 14:25

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 513024

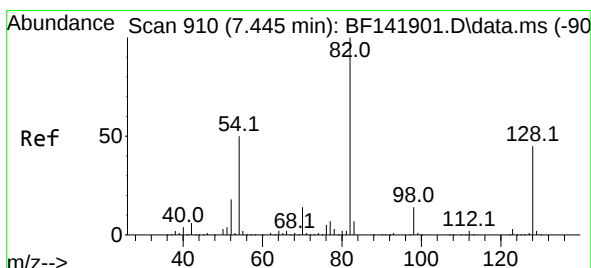
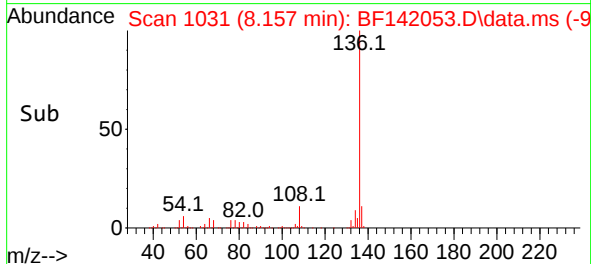
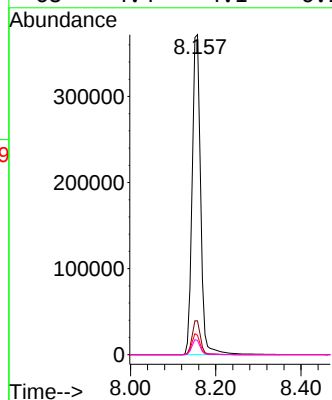
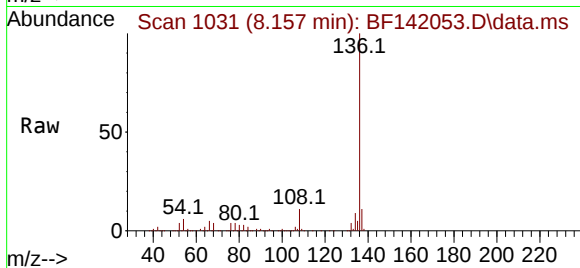
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 6.1 5.8 8.8

68 4.4 4.1 6.1



#23

Nitrobenzene-d5

Concen: 109.715 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142053.D

Acq: 24 Mar 2025 14:25

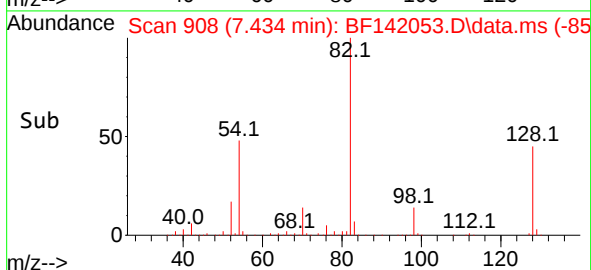
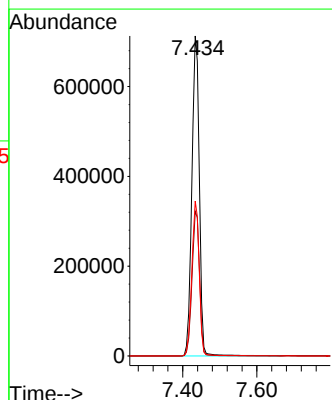
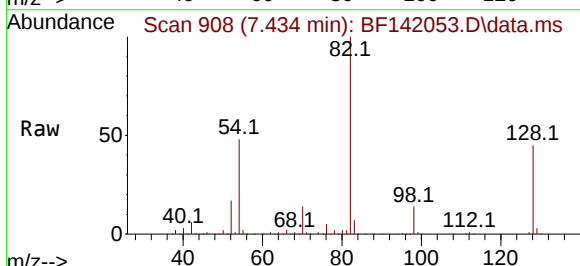
Tgt Ion: 82 Resp: 1000189

Ion Ratio Lower Upper

82 100

128 45.2 36.0 54.0

54 48.4 39.6 59.4

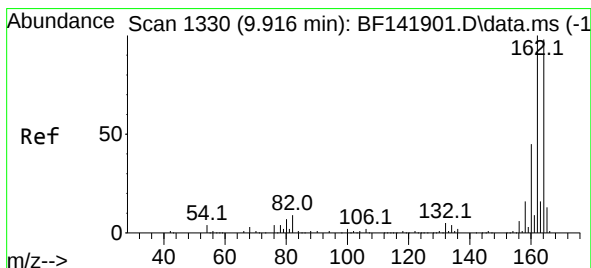
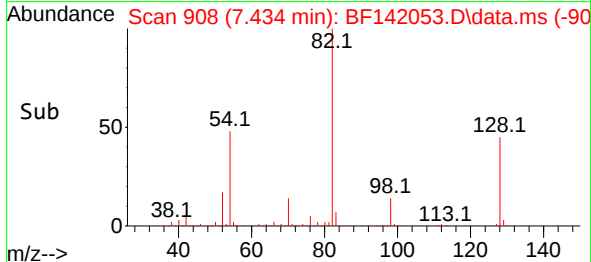
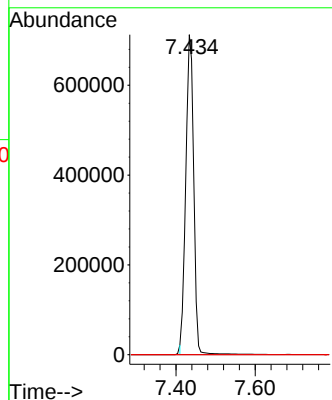
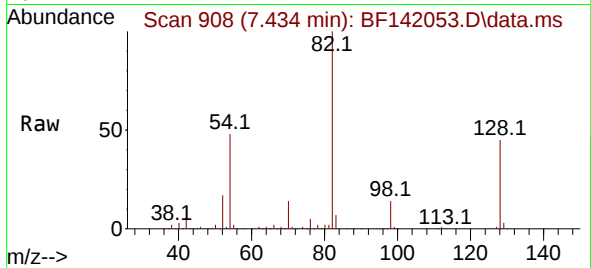




#25
Isophorone
Concen: 61.105 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

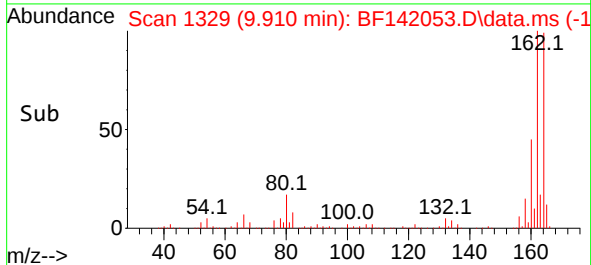
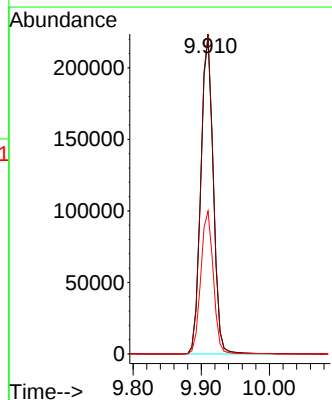
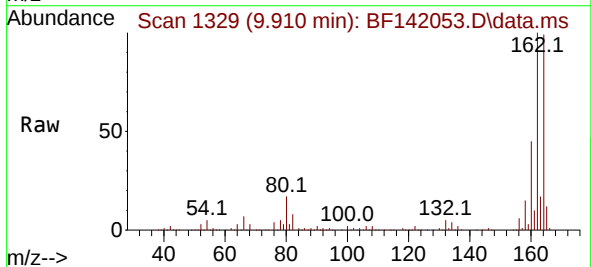
Instrument :
BNA_F
ClientSampleId :

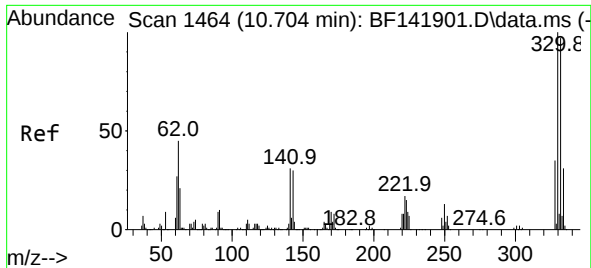
Tgt Ion: 82 Resp: 984669
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

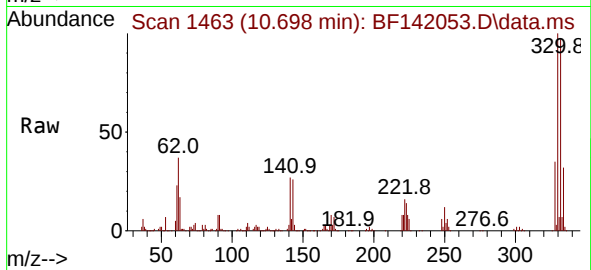
Tgt Ion:164 Resp: 280866
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 45.3 36.7 55.1



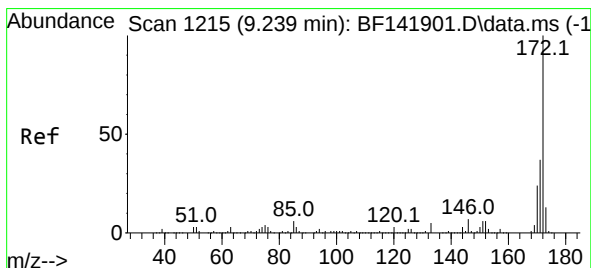
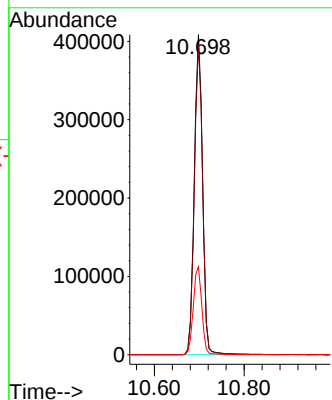
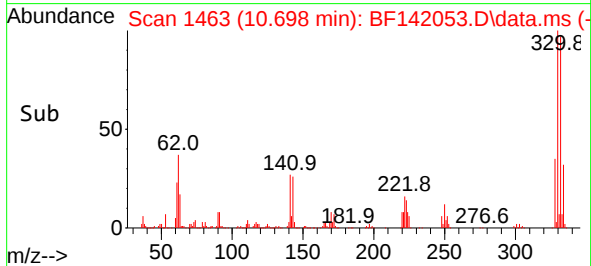


#42
 2,4,6-Tribromophenol
 Concen: 147.108 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142053.D
 Acq: 24 Mar 2025 14:25

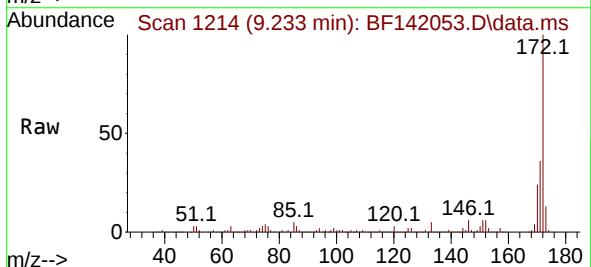
Instrument :
 BNA_F
 ClientSampleId :



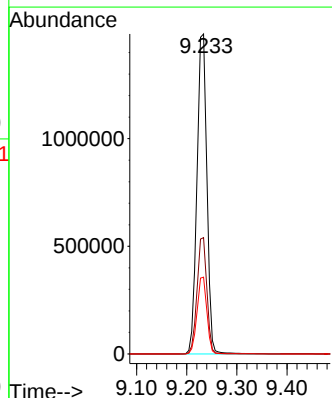
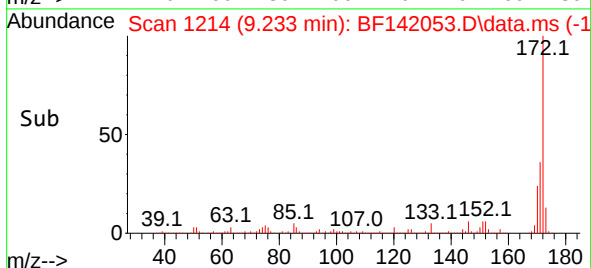
Tgt Ion:330 Resp: 524170
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.6 116.4
 141 28.3 24.7 37.1

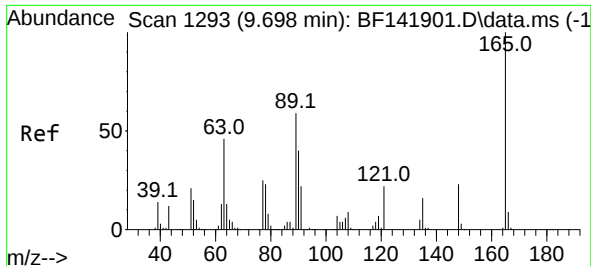


#45
 2-Fluorobiphenyl
 Concen: 110.711 ng
 RT: 9.233 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF142053.D
 Acq: 24 Mar 2025 14:25



Tgt Ion:172 Resp: 2044627
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.665 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142053.D

Acq: 24 Mar 2025 14:25

Instrument :

BNA_F

ClientSampleId :

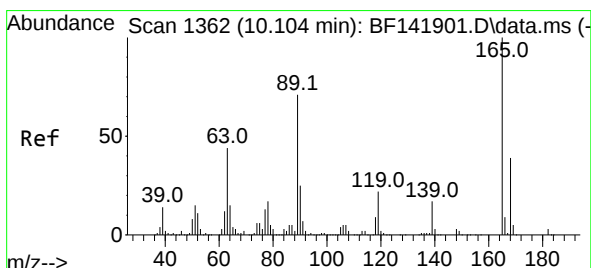
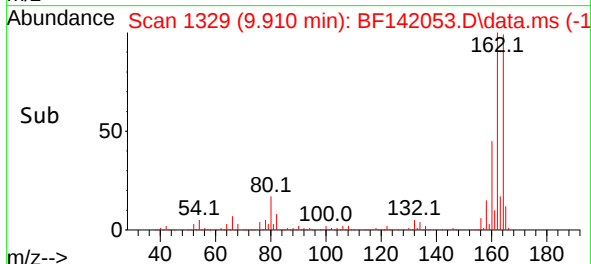
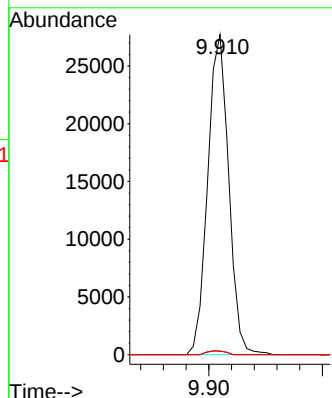
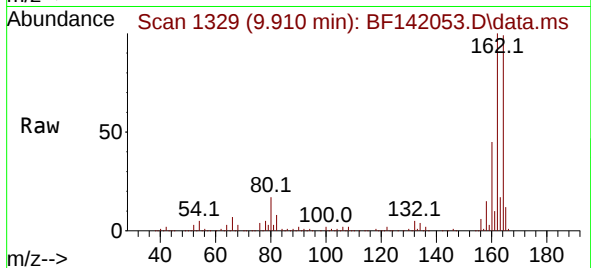
Tgt Ion:165 Resp: 35483

Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.1 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.634 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF142053.D

Acq: 24 Mar 2025 14:25

Tgt Ion:165 Resp: 35483

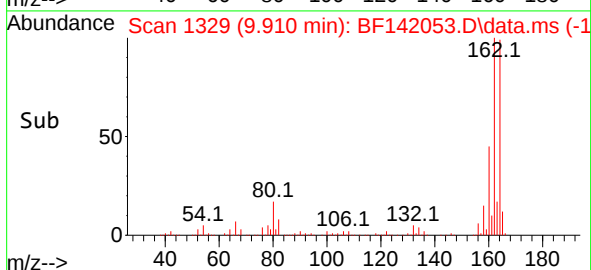
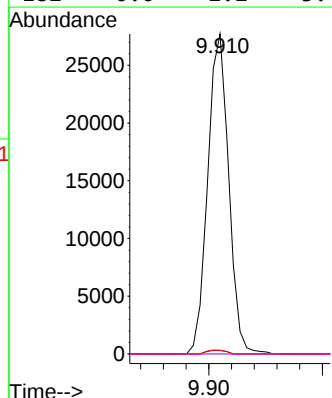
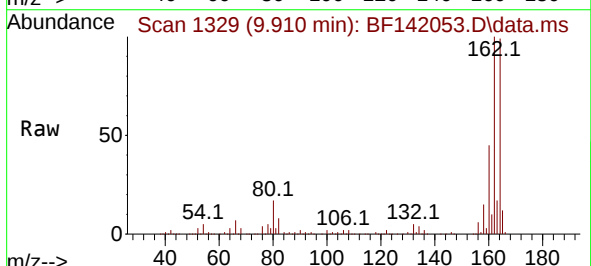
Ion Ratio Lower Upper

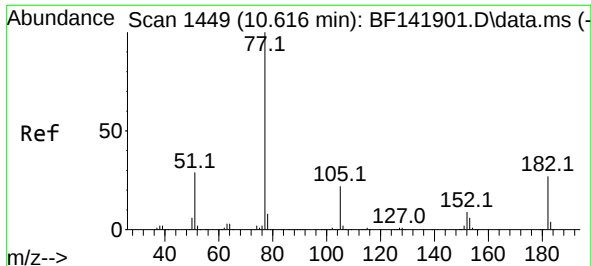
165 100

63 1.1 35.4 53.2#

89 1.1 56.6 84.8#

182 0.0 2.2 3.4#

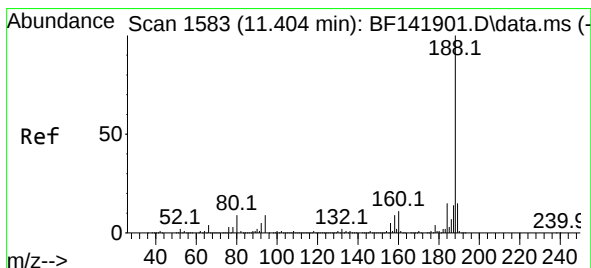
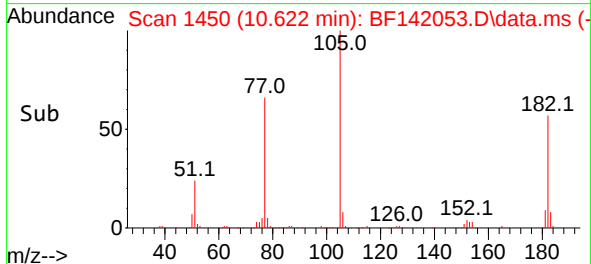
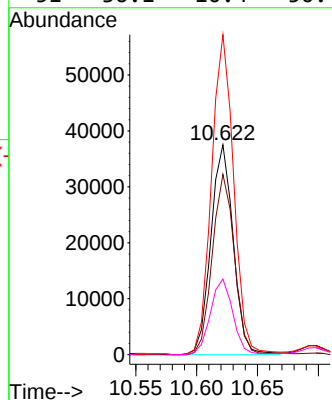
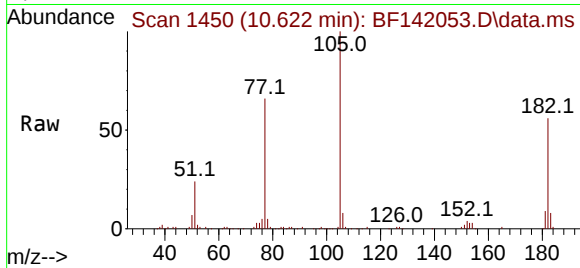




#63
 Azobenzene
 Concen: 2.628 ng
 RT: 10.622 min Scan# 1449
 Delta R.T. 0.006 min
 Lab File: BF142053.D
 Acq: 24 Mar 2025 14:25

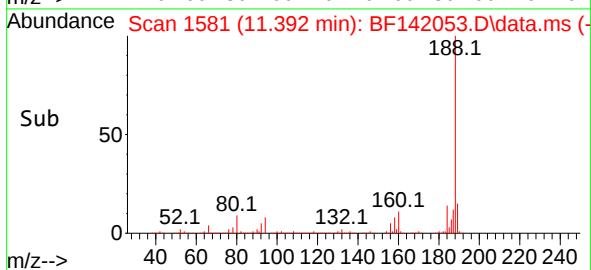
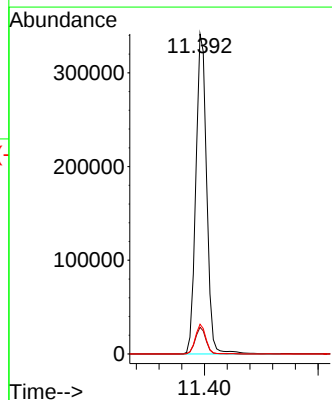
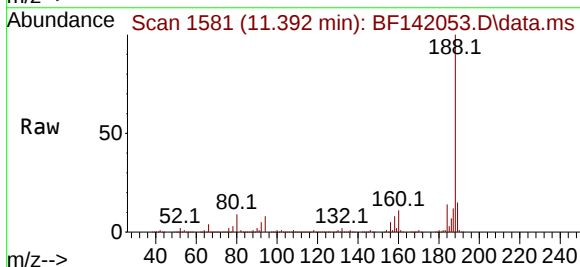
Instrument :
 BNA_F
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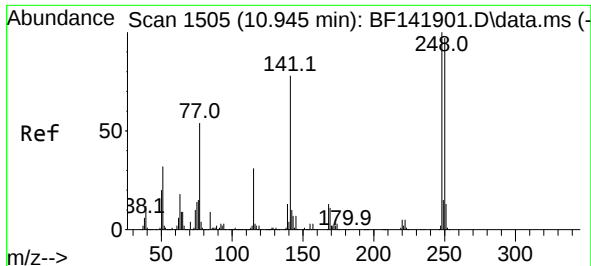
Tgt Ion: 77 Resp: 47922
 Ion Ratio Lower Upper
 77 100
 182 85.9 6.6 46.6#
 105 152.4 1.3 41.3#
 51 36.1 10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF142053.D
 Acq: 24 Mar 2025 14:25

Tgt Ion: 188 Resp: 453913
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.8 10.2
 80 9.3 7.6 11.4

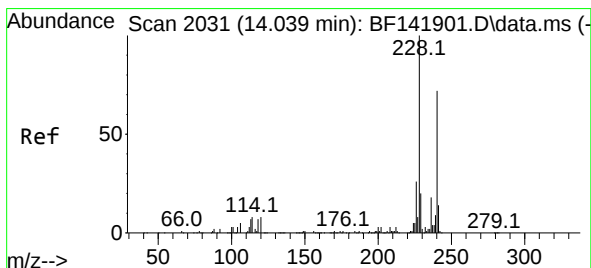
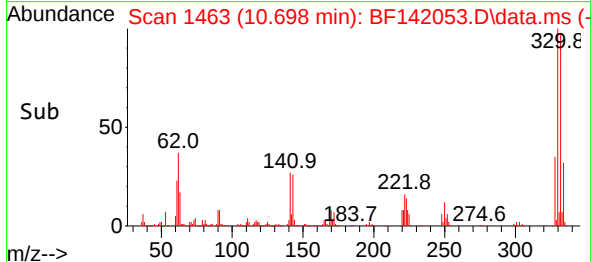
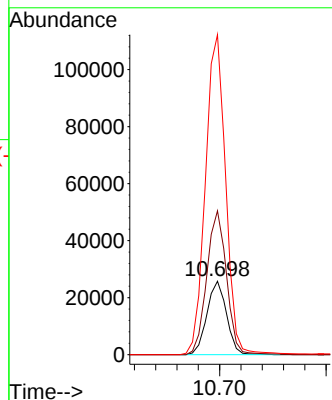
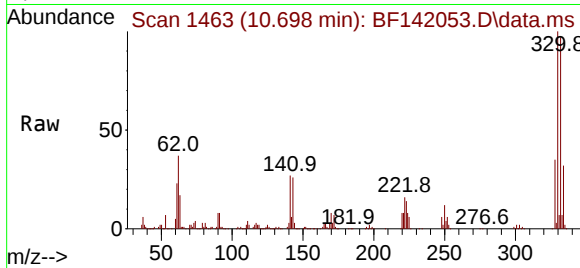




#67
4-Bromophenyl-phenylether
Concen: 5.780 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

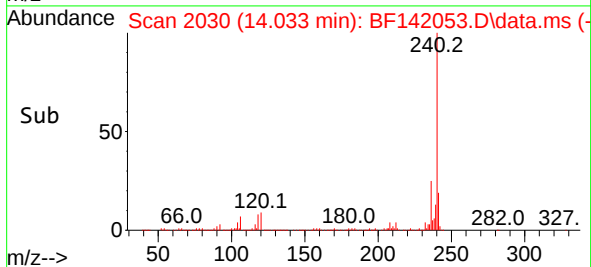
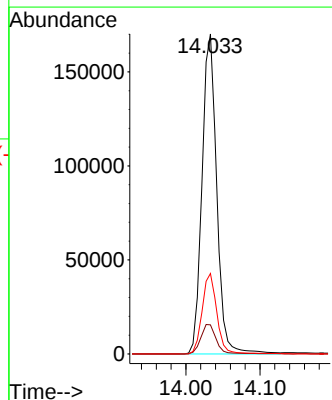
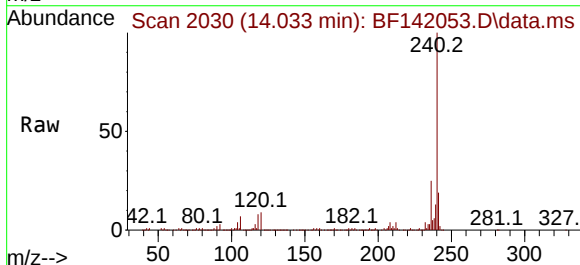
Instrument :
BNA_F
ClientSampleId :

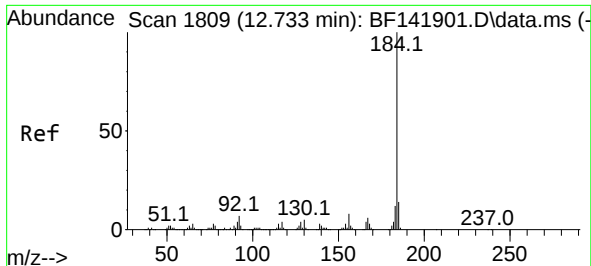
Tgt Ion:248 Resp: 32951
Ion Ratio Lower Upper
248 100
250 195.8 77.8 116.8#
141 435.5 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

Tgt Ion:240 Resp: 235597
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.2 20.5 30.7

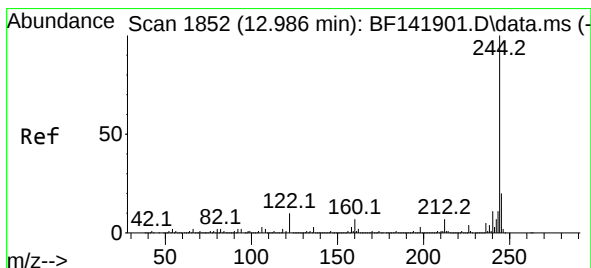
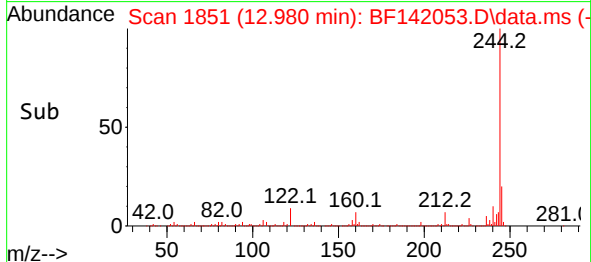
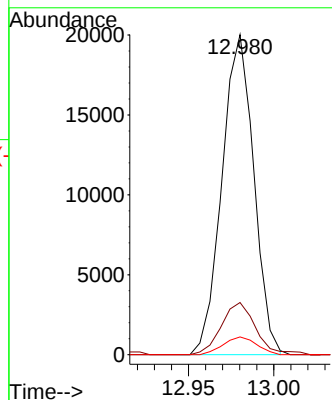
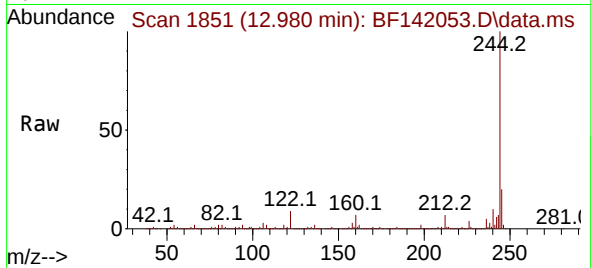




#77
Benzidine
Concen: 7.902 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

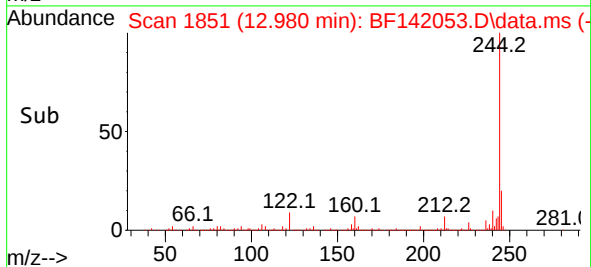
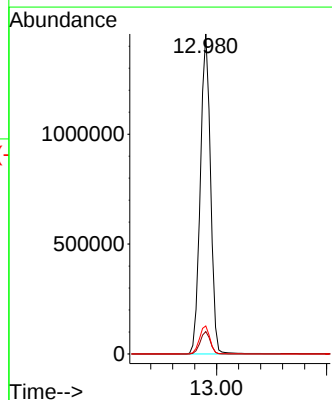
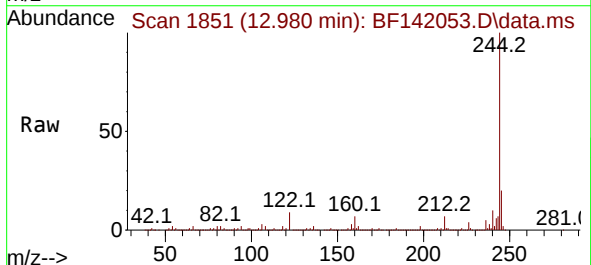
Instrument :
BNA_F
ClientSampleId :

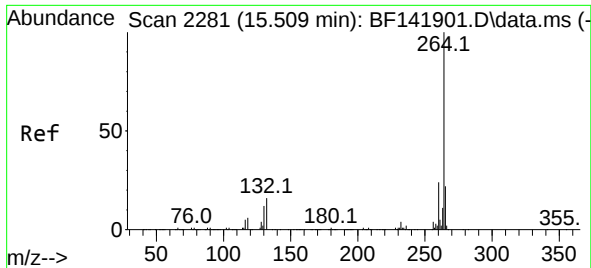
Tgt Ion:184 Resp: 25975
Ion Ratio Lower Upper
184 100
185 16.3 11.5 17.3
183 5.6 9.7 14.5#



#79
Terphenyl-d14
Concen: 118.036 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142053.D
Acq: 24 Mar 2025 14:25

Tgt Ion:244 Resp: 1880949
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.7 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

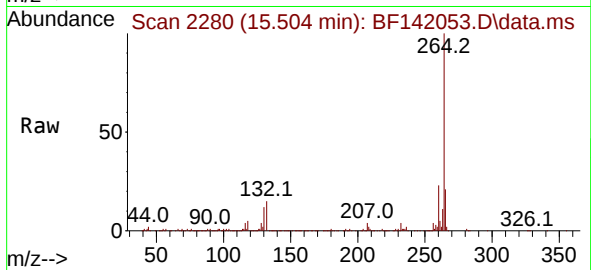
Lab File: BF142053.D

Acq: 24 Mar 2025 14:25

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:264 Resp: 264164

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.5 17.5 26.3

