

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142052.D
 Acq On : 24 Mar 2025 13:55
 Operator : RC/JU
 Sample : Q1618-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 14:18:44 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

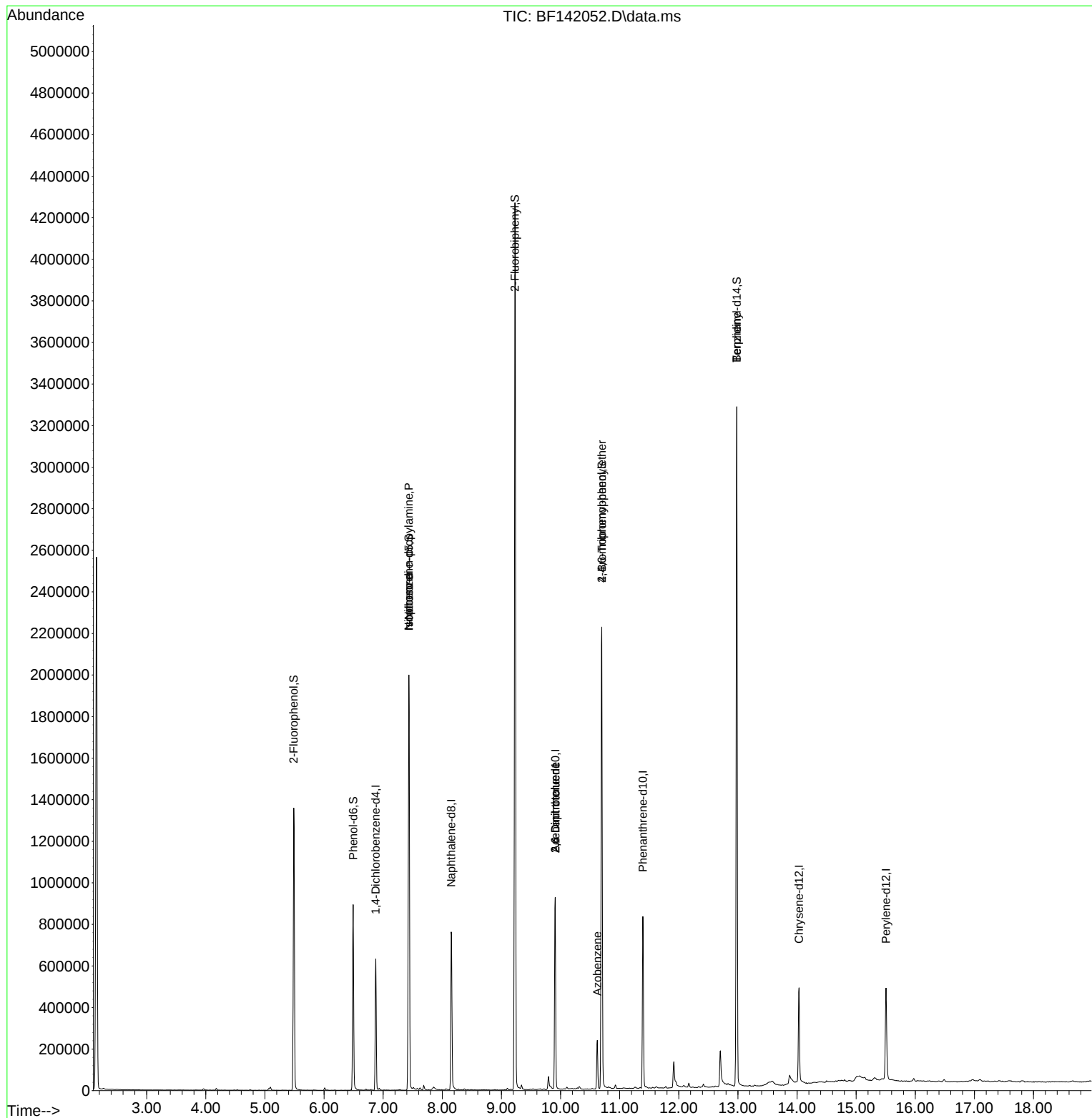
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	134003	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	525360	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	281790	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	423584	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	239859	20.000	ng	0.00
86) Perylene-d12	15.504	264	278621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	533070	66.392	ng	0.00
7) Phenol-d6	6.493	99	408791	39.988	ng	-0.01
23) Nitrobenzene-d5	7.434	82	948048	101.554	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	440365	123.183	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1935034	104.433	ng	-0.01
79) Terphenyl-d14	12.980	244	1663270	102.521	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	131862	20.074	ng	# 78
25) Isophorone	7.434	82	936120	56.728	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	36527	8.890	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	36527	6.807	ng	# 25
63) Azobenzene	10.622	77	58959	3.223	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	27061	5.087	ng	# 1
77) Benzidine	12.980	184	22082	6.599	ng	# 89

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

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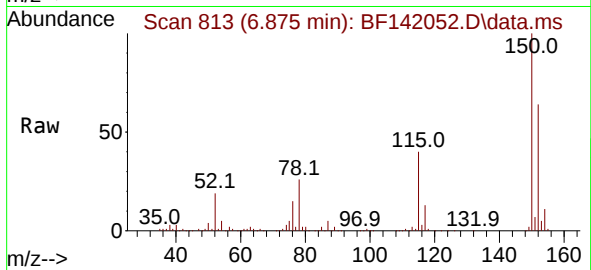
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



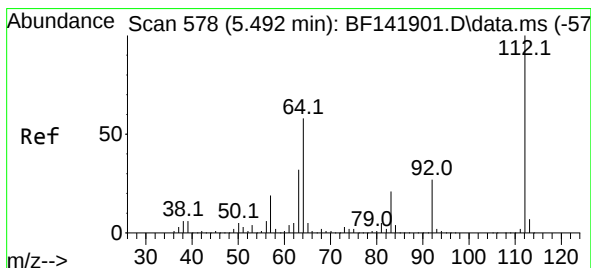
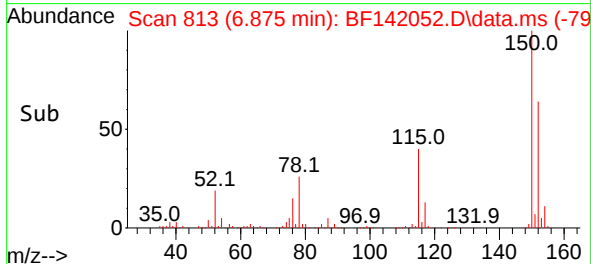
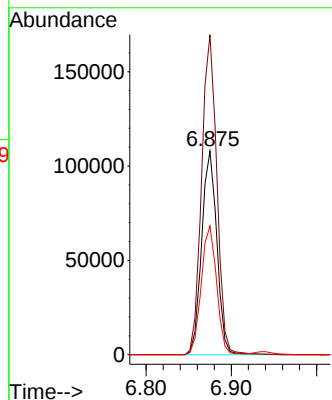


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Instrument :
BNA_F
ClientSampleId :

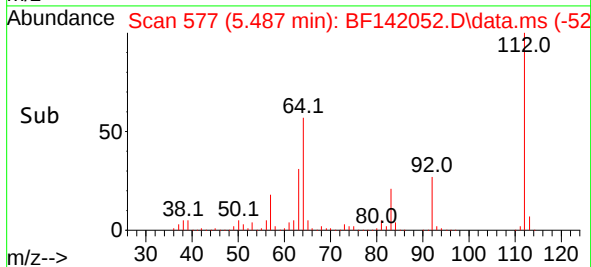
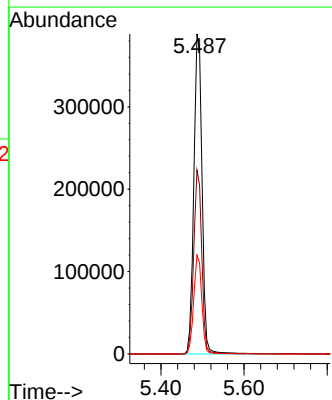
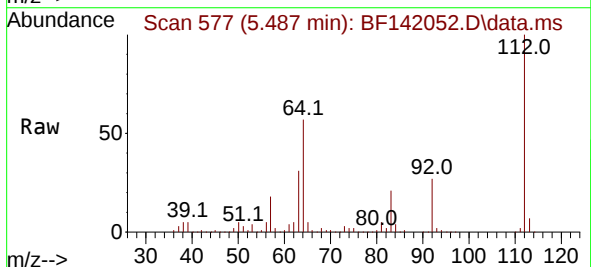


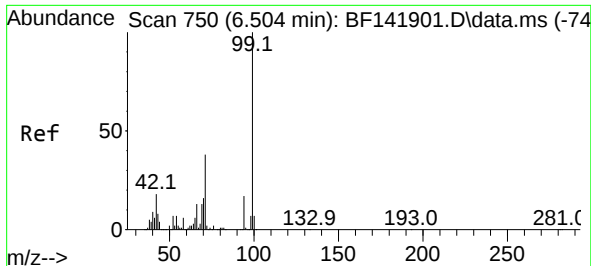
Tgt Ion:152 Resp: 134003
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.2
115 63.3 51.9 77.9



#5
2-Fluorophenol
Concen: 66.392 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

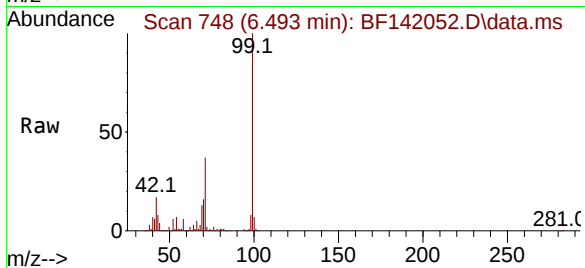
Tgt Ion:112 Resp: 533070
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 30.9 25.4 38.2



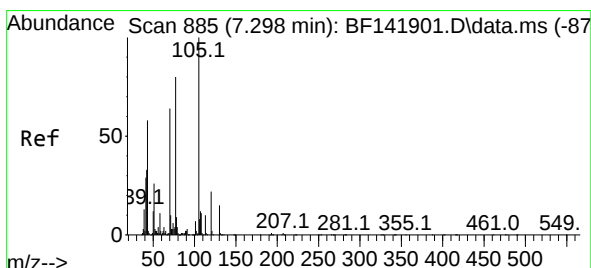
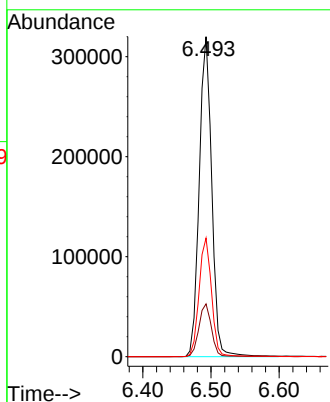
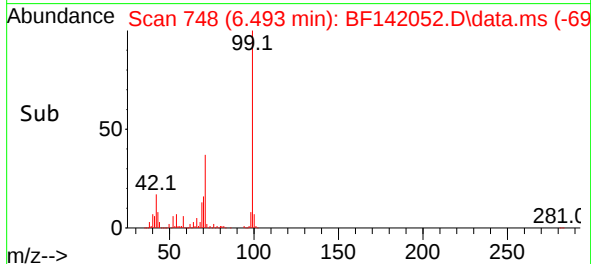


#7
Phenol-d6
Concen: 39.988 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Instrument :
BNA_F
ClientSampleId :

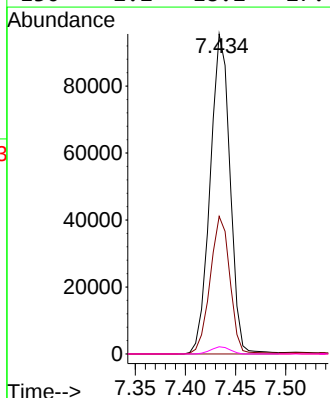
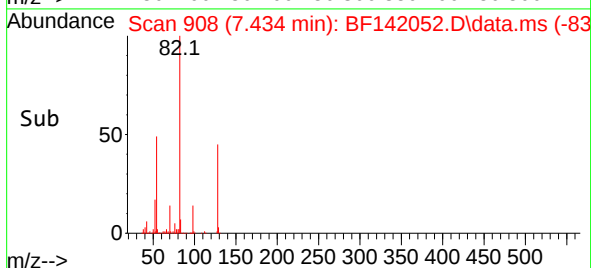
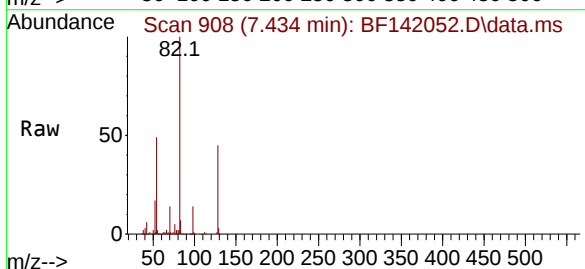


Tgt Ion: 99 Resp: 408791
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 37.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.074 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Tgt Ion: 70 Resp: 131862
Ion Ratio Lower Upper
70 100
42 43.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



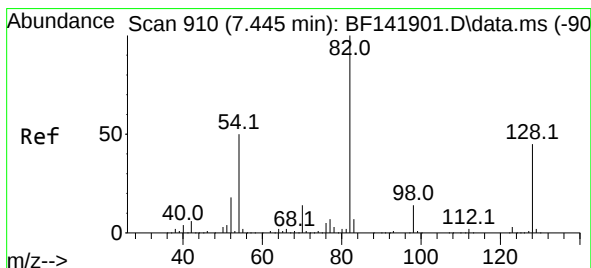
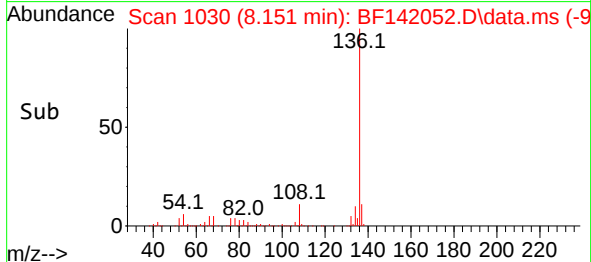
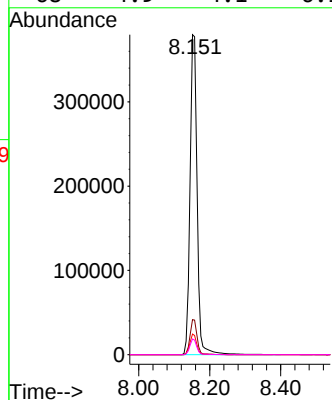
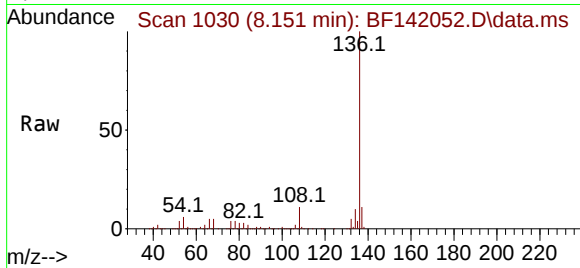


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 525360

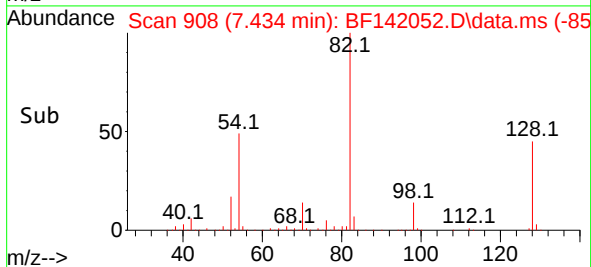
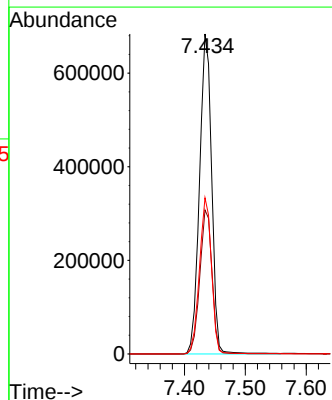
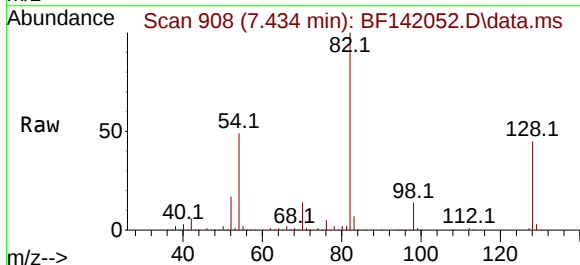
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 101.554 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Tgt Ion: 82 Resp: 948048

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.0	54.0
54	48.8	39.6	59.4

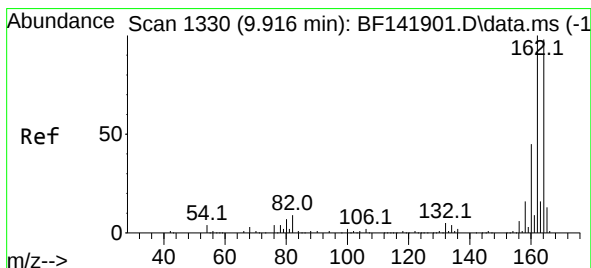
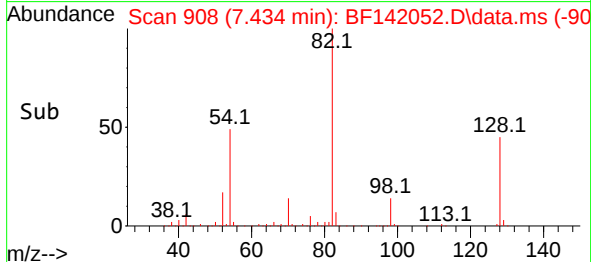
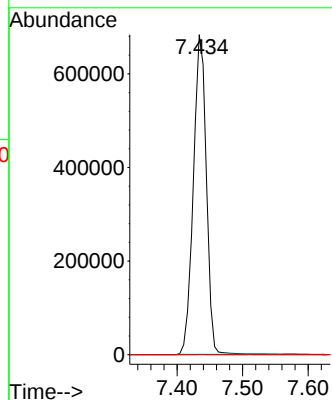
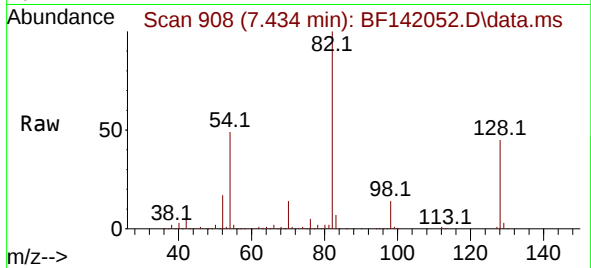




#25
Isophorone
Concen: 56.728 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

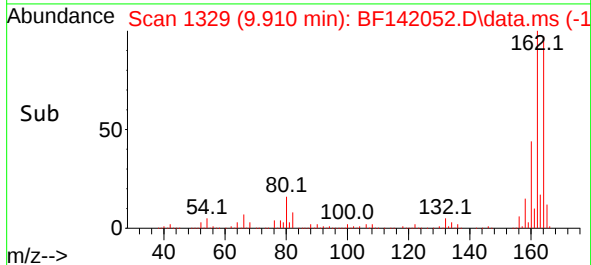
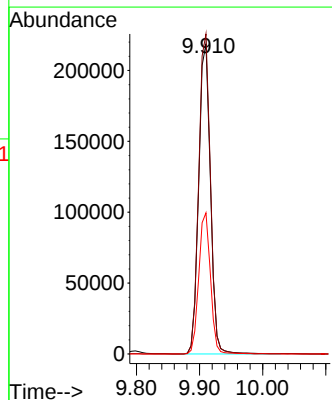
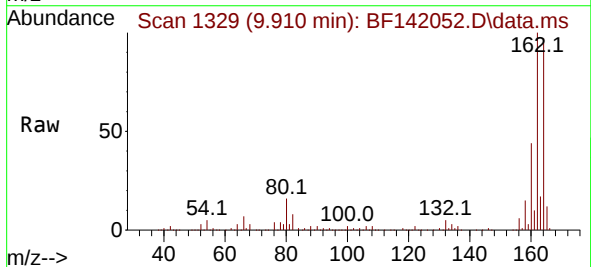
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 936120
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: BF142052.D
Acq: 24 Mar 2025 13:55

Tgt Ion:164 Resp: 281790
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 123.183 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142052.D

Acq: 24 Mar 2025 13:55

Instrument :

BNA_F

ClientSampleId :

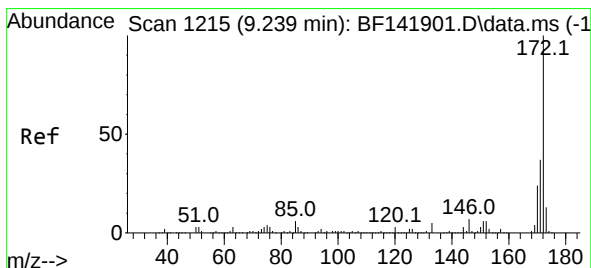
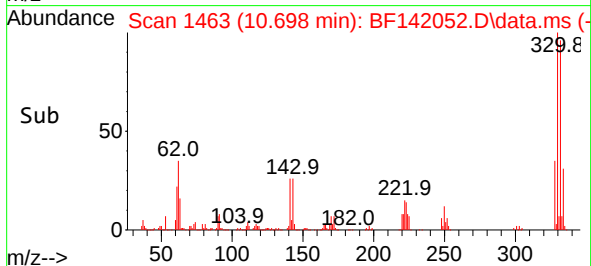
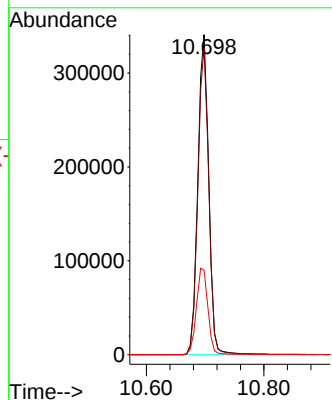
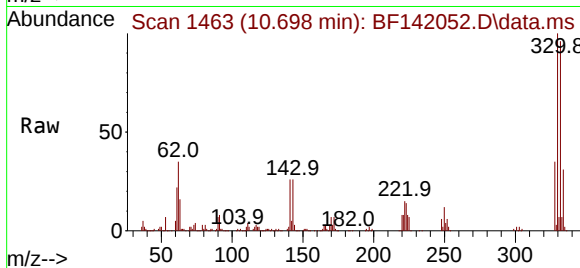
Tgt Ion:330 Resp: 440365

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 28.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 104.433 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142052.D

Acq: 24 Mar 2025 13:55

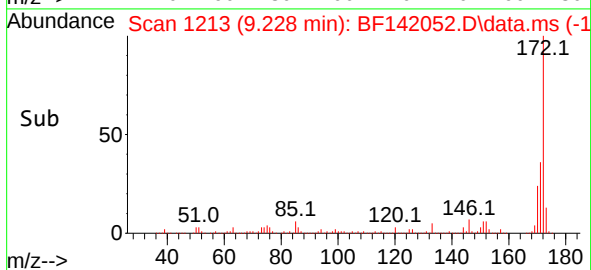
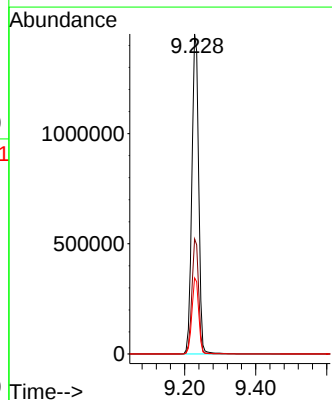
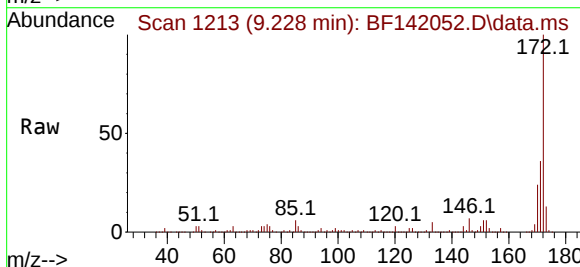
Tgt Ion:172 Resp: 1935034

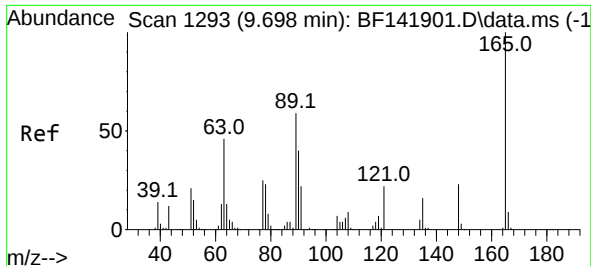
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.890 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142052.D

Acq: 24 Mar 2025 13:55

Instrument :

BNA_F

ClientSampleId :

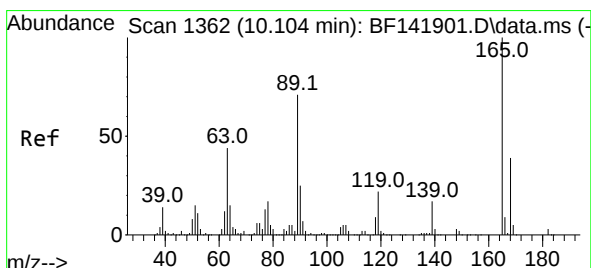
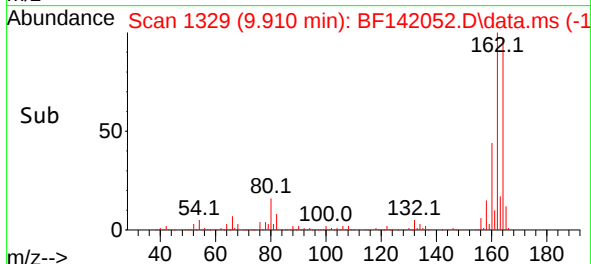
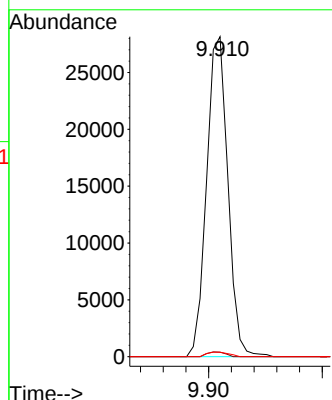
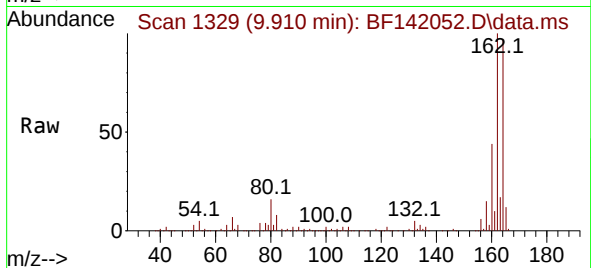
Tgt Ion:165 Resp: 36527

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.4#

89 1.4 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.807 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF142052.D

Acq: 24 Mar 2025 13:55

Tgt Ion:165 Resp: 36527

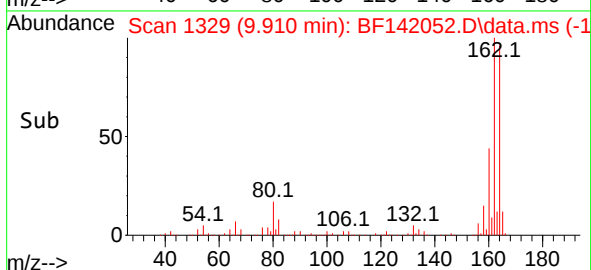
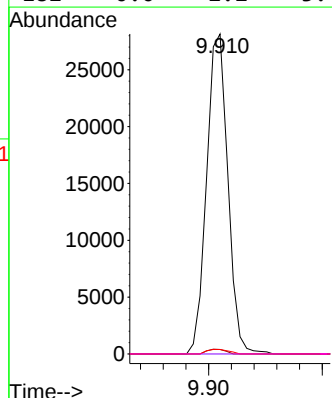
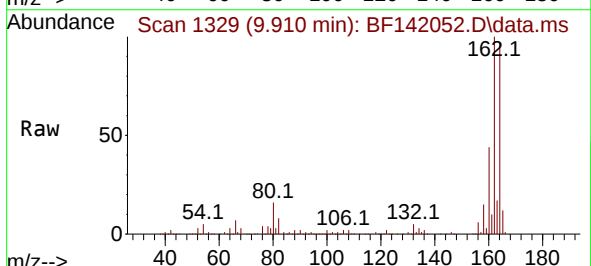
Ion Ratio Lower Upper

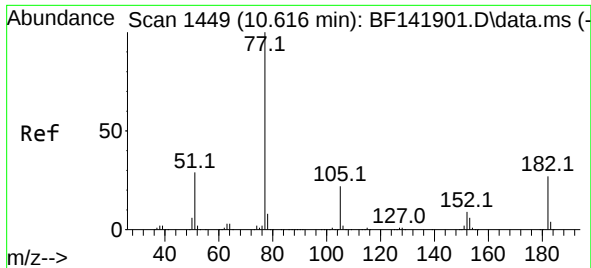
165 100

63 1.4 35.4 53.2#

89 1.4 56.6 84.8#

182 0.0 2.2 3.4#

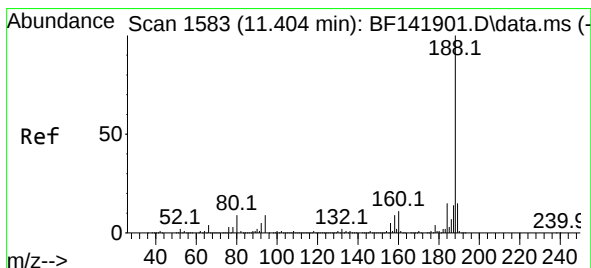
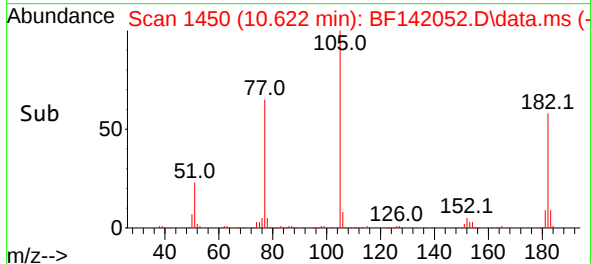
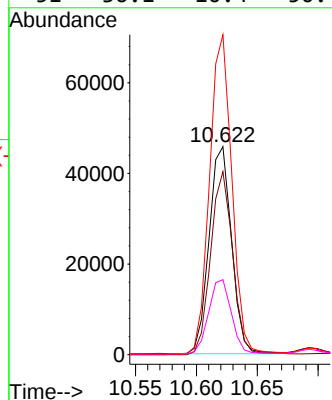
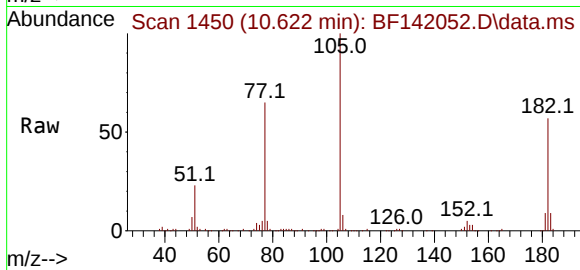




#63
Azobenzene
Concen: 3.223 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

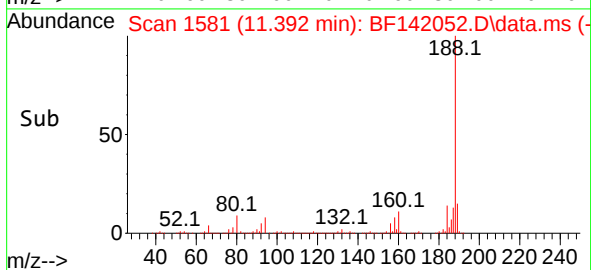
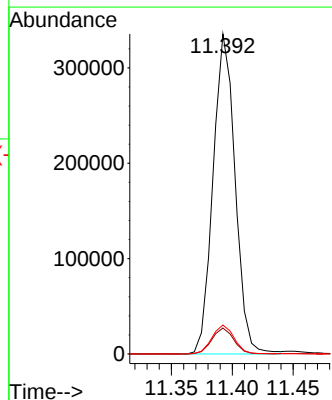
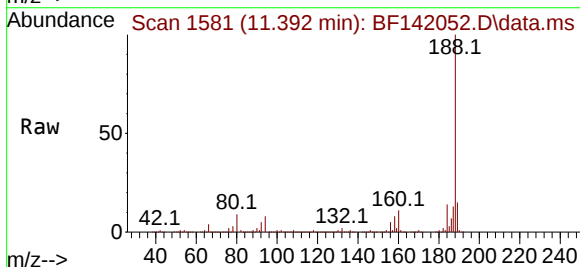
Instrument :
BNA_F
ClientSampleId :

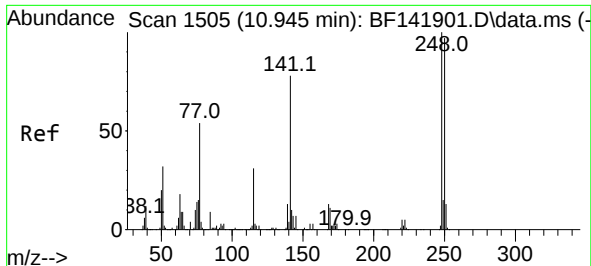
Tgt Ion: 77 Resp: 58959
Ion Ratio Lower Upper
77 100
182 88.0 6.6 46.6#
105 153.8 1.3 41.3#
51 36.1 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Tgt Ion: 188 Resp: 423584
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.1 7.6 11.4

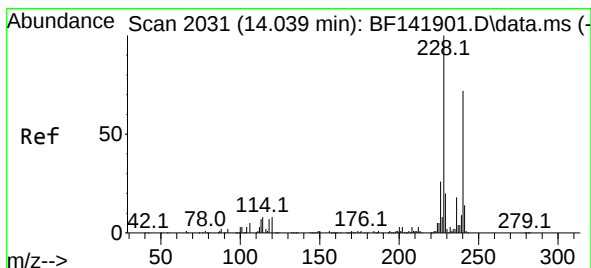
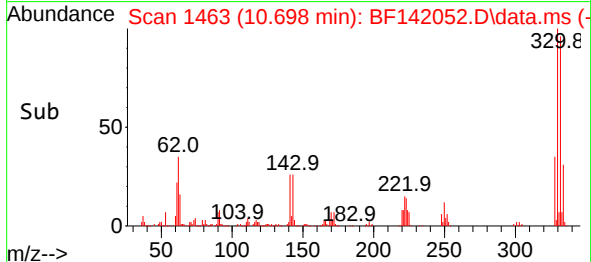
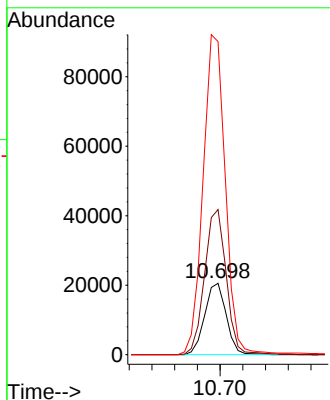
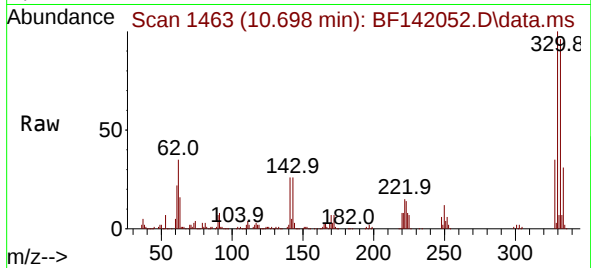




#67
4-Bromophenyl-phenylether
Concen: 5.087 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

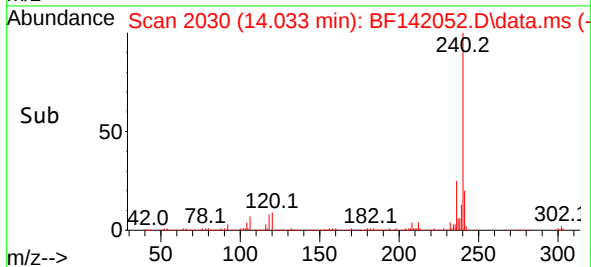
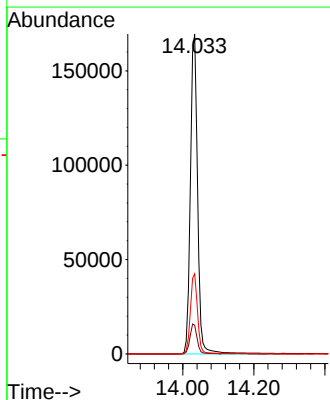
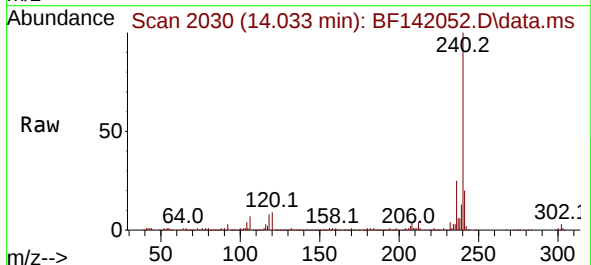
Instrument :
BNA_F
ClientSampleId :

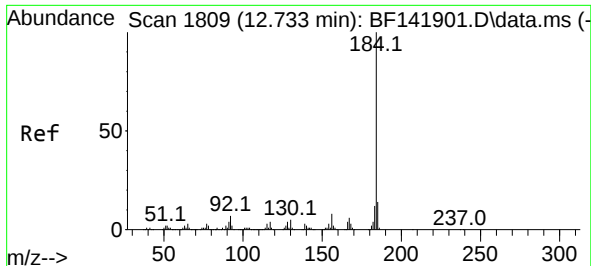
Tgt Ion:248 Resp: 27061
Ion Ratio Lower Upper
248 100
250 203.2 77.8 116.8#
141 438.4 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

Tgt Ion:240 Resp: 239859
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.0 20.5 30.7

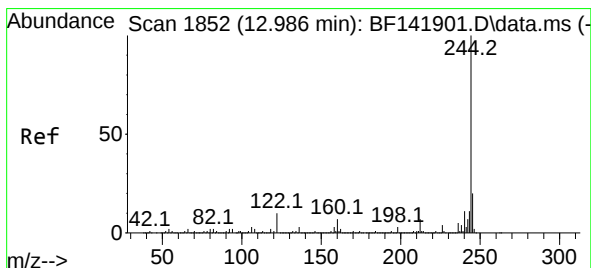
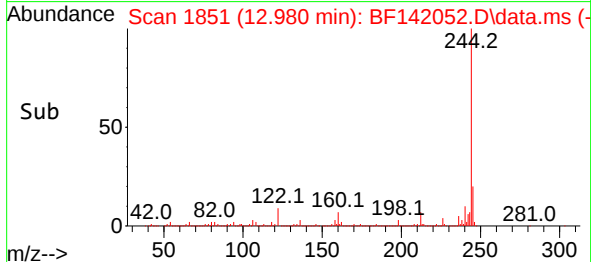
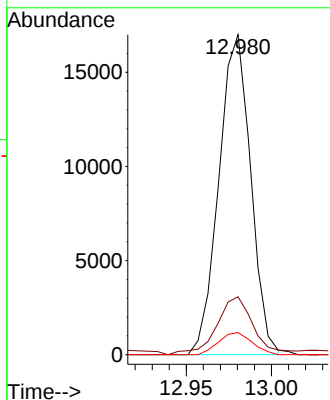
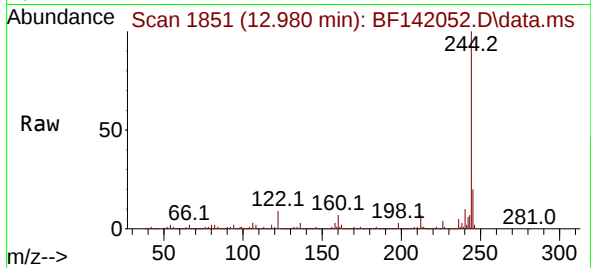




#77
Benzidine
Concen: 6.599 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

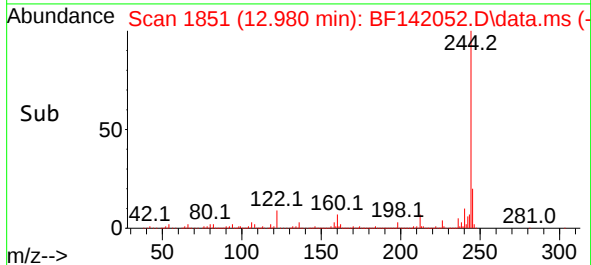
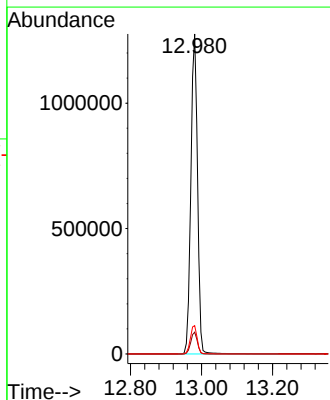
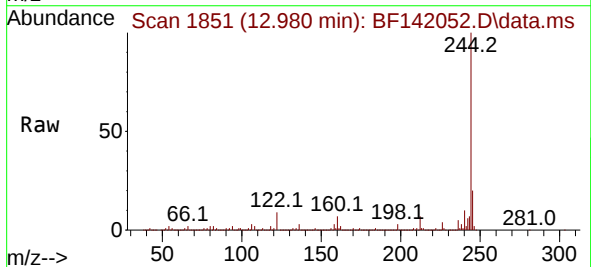
Instrument :
BNA_F
ClientSampleId :

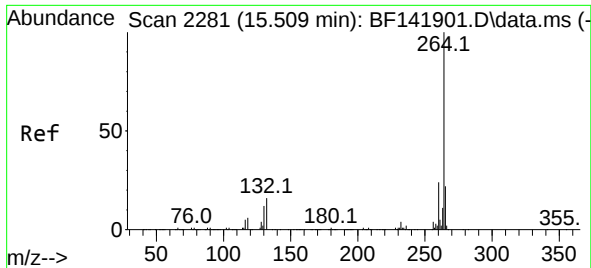
Tgt Ion:184 Resp: 22082
Ion Ratio Lower Upper
184 100
185 18.1 11.5 17.3#
183 6.9 9.7 14.5#



#79
Terphenyl-d14
Concen: 102.521 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142052.D
Acq: 24 Mar 2025 13:55

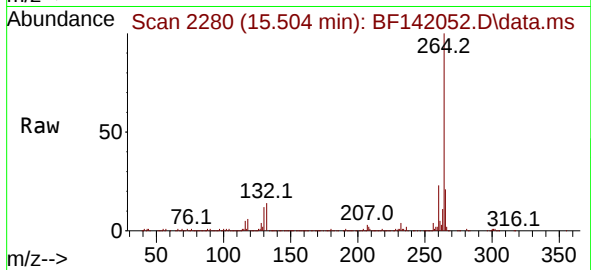
Tgt Ion:244 Resp: 1663270
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.8 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142052.D
 Acq: 24 Mar 2025 13:55

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 278621
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.3 17.5 26.3

