

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142048.D
 Acq On : 24 Mar 2025 11:56
 Operator : RC/JU
 Sample : Q1597-04RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 12:19:23 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)

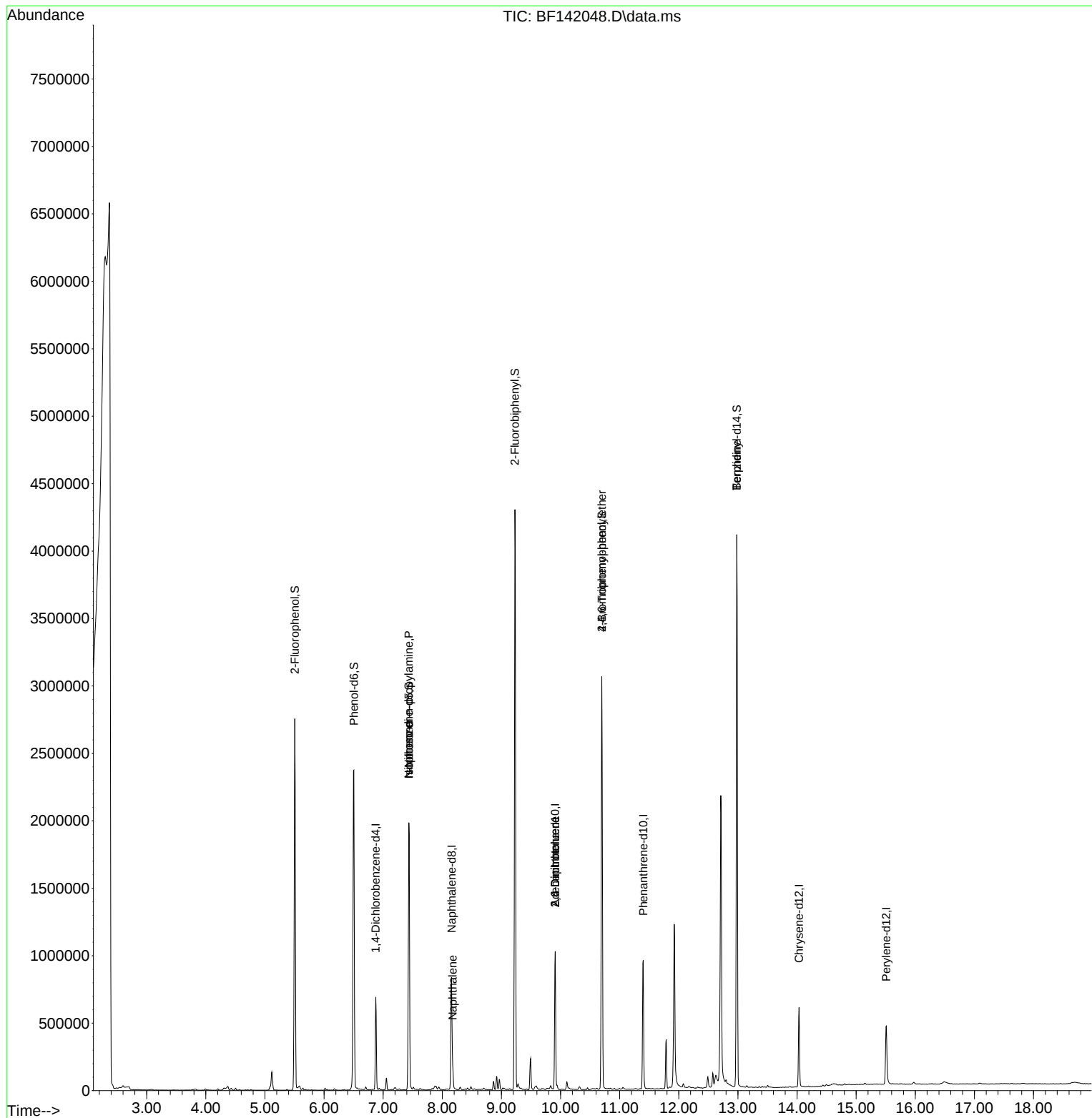
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	142854	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	557231	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	306559	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	503375	20.000	ng	0.00
76) Chrysene-d12	14.033	240	296423	20.000	ng	0.00
86) Perylene-d12	15.510	264	288645	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1088633	127.185	ng	0.01
7) Phenol-d6	6.504	99	1214628	111.453	ng	0.00
23) Nitrobenzene-d5	7.434	82	954071	96.354	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	598994	154.018	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1941051	96.294	ng	-0.01
79) Terphenyl-d14	12.980	244	2078466	103.667	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	132911	18.980	ng	# 77
25) Isophorone	7.434	82	940468	53.732	ng	# 64
31) Naphthalene	8.175	128	88369	3.087	ng	100
51) 2,6-Dinitrotoluene	9.910	165	40406	9.040	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	40407	6.921	ng	# 25
67) 4-Bromophenyl-phenylether	10.698	248	36816	5.824	ng	# 1
77) Benzidine	12.980	184	28054	6.783	ng	# 90

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

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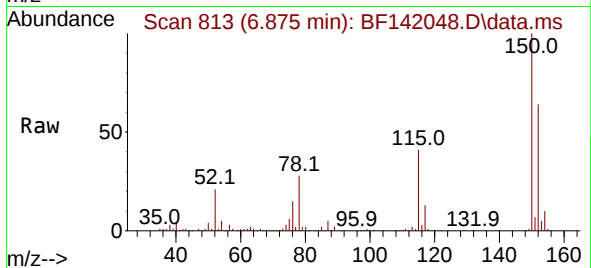
Quant Time: Mar 24 12:19:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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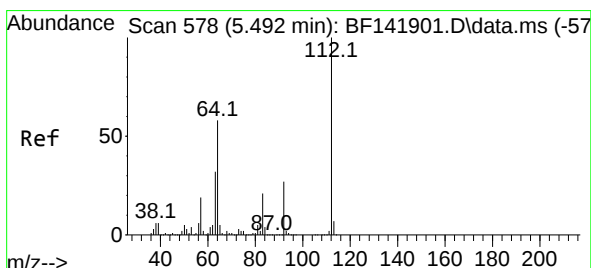
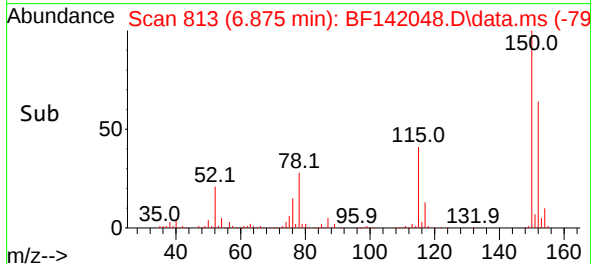
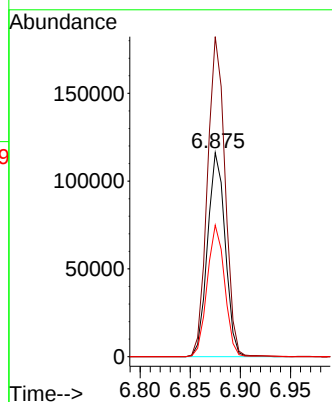


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF142048.D
 Acq: 24 Mar 2025 11:56

Instrument :
 BNA_F
 ClientSampleId :

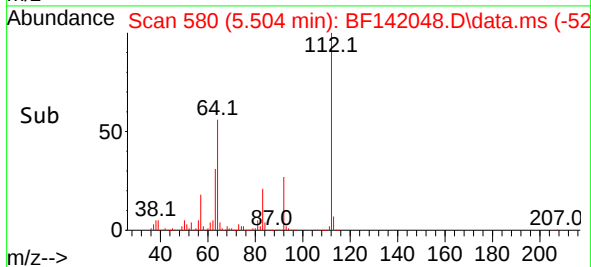
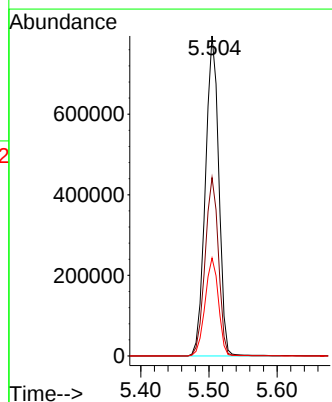
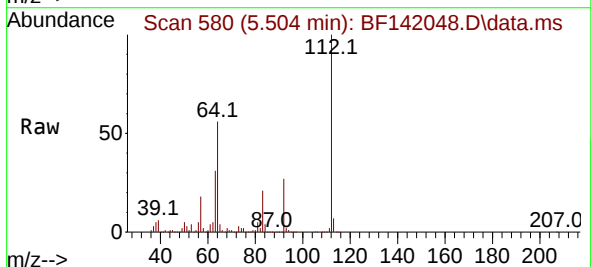


Tgt Ion:152 Resp: 142854
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.4 191.2
 115 64.5 51.9 77.9



#5
 2-Fluorophenol
 Concen: 127.185 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF142048.D
 Acq: 24 Mar 2025 11:56

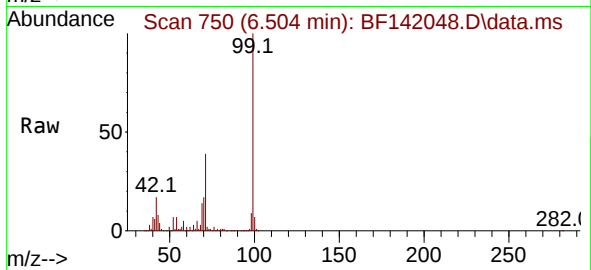
Tgt Ion:112 Resp: 1088633
 Ion Ratio Lower Upper
 112 100
 64 55.7 46.5 69.7
 63 30.6 25.4 38.2





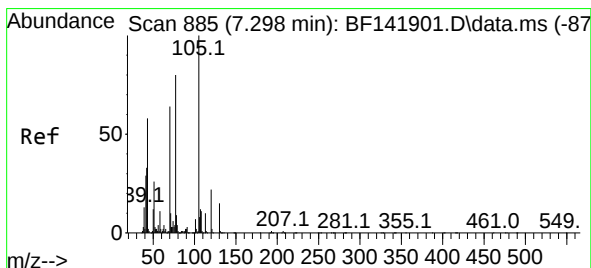
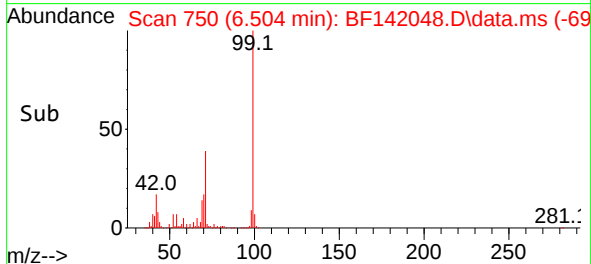
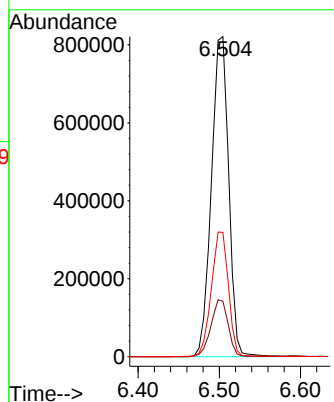
#7
Phenol-d6
Concen: 111.453 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1214628

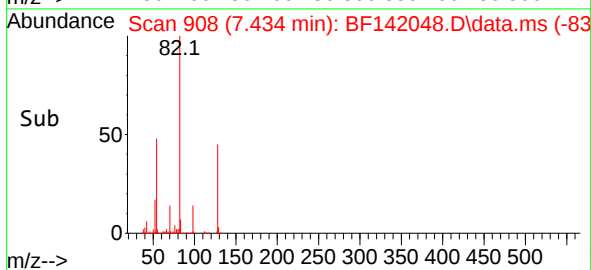
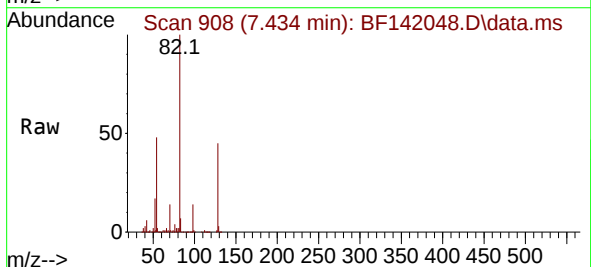
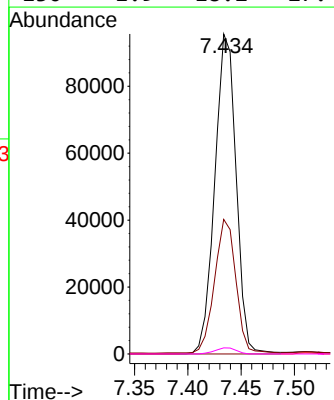
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	38.8	30.8	46.2

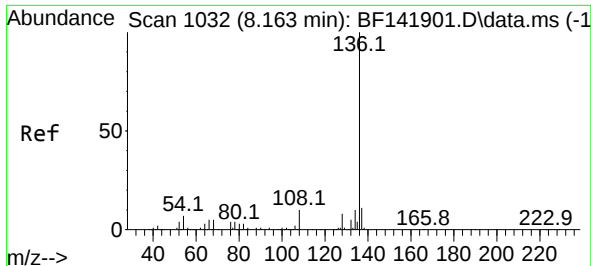


#19
n-Nitroso-di-n-propylamine
Concen: 18.980 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.136 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Tgt Ion: 70 Resp: 132911

Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.4	62.0
101	0.0	8.2	12.2#
130	1.9	18.2	27.4#

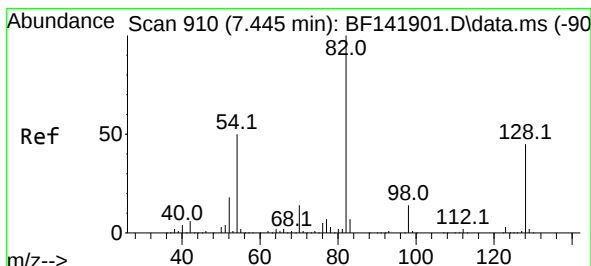
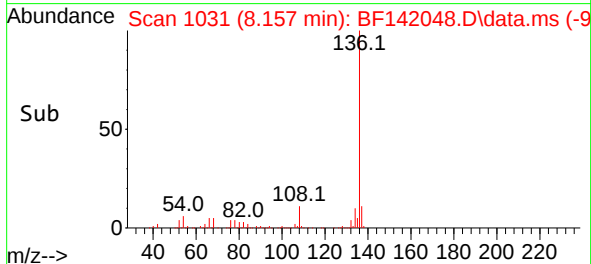
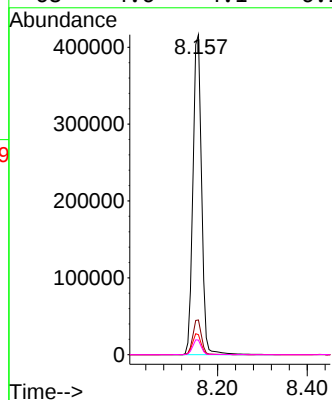
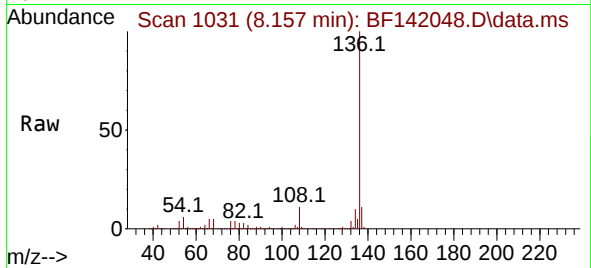




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

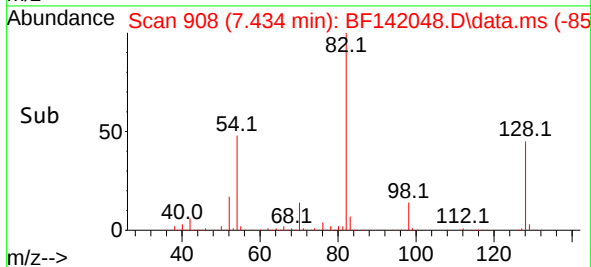
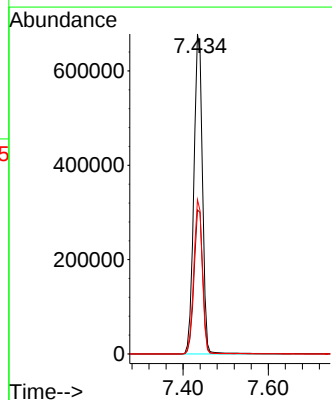
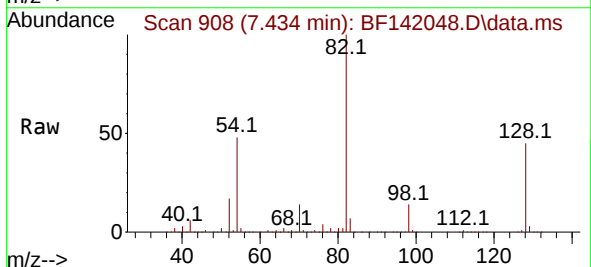
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 557231
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.2 5.8 8.8
68 4.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 96.354 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Tgt Ion: 82 Resp: 954071
Ion Ratio Lower Upper
82 100
128 45.0 36.0 54.0
54 48.2 39.6 59.4

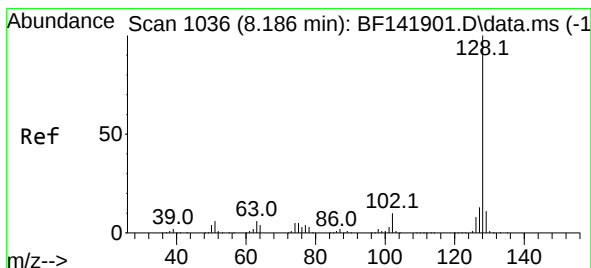
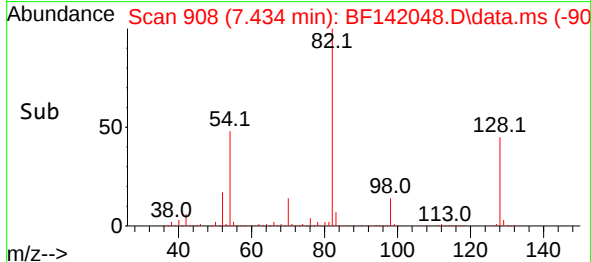
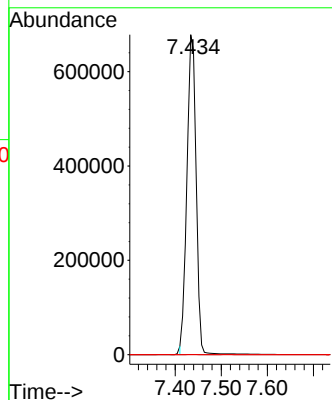
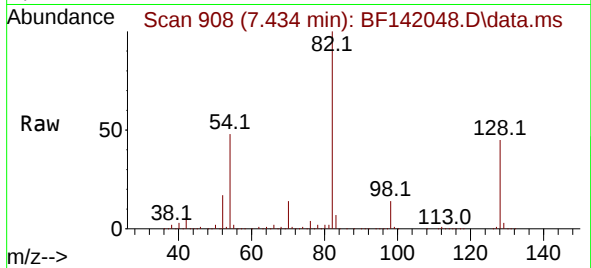




#25
Isophorone
Concen: 53.732 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

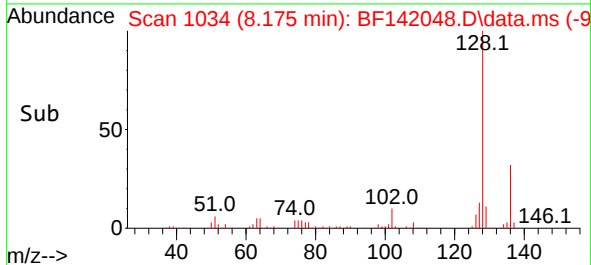
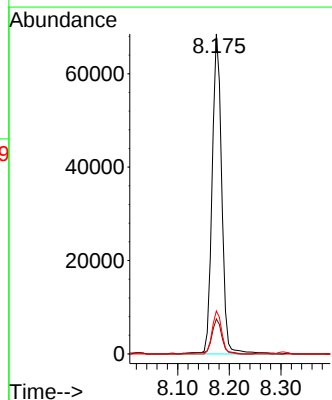
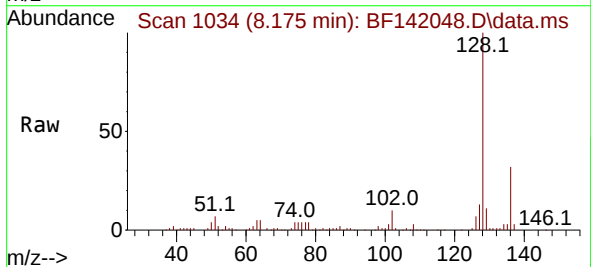
Instrument :
BNA_F
ClientSampleId :

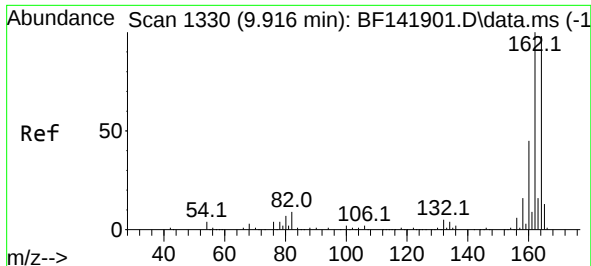
Tgt Ion: 82 Resp: 940468
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 3.087 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Tgt Ion: 128 Resp: 88369
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.5 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142048.D

Acq: 24 Mar 2025 11:56

Instrument :

BNA_F

ClientSampleId :

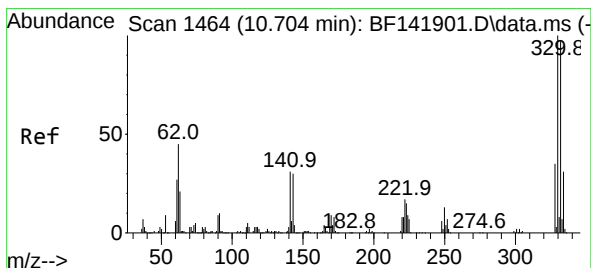
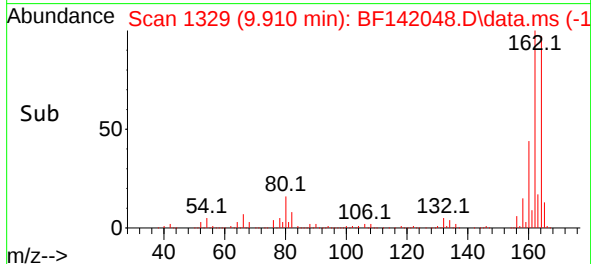
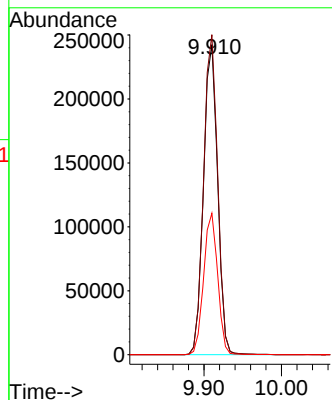
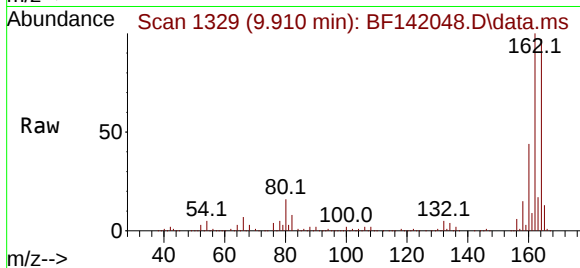
Tgt Ion:164 Resp: 306559

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.6

160 45.6 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 154.018 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142048.D

Acq: 24 Mar 2025 11:56

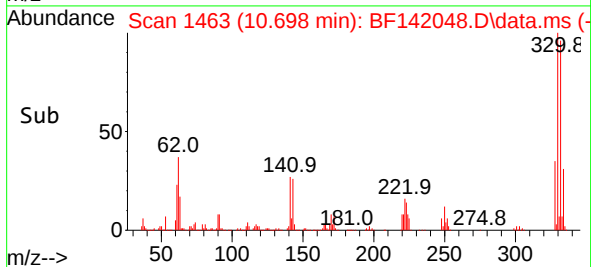
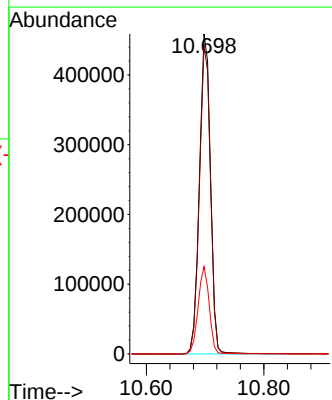
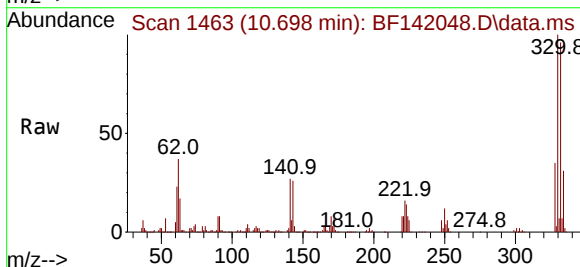
Tgt Ion:330 Resp: 598994

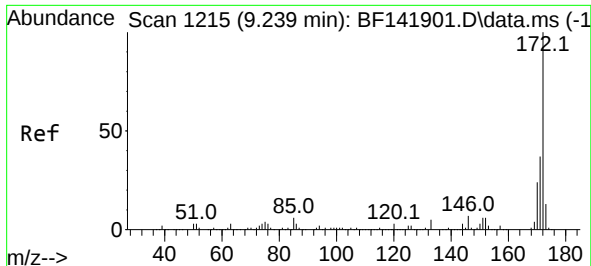
Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 27.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 96.294 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.012 min

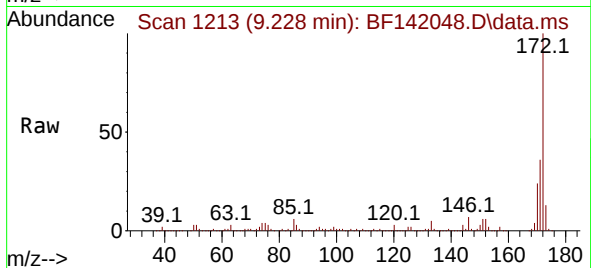
Lab File: BF142048.D

Acq: 24 Mar 2025 11:56

Instrument :

BNA_F

ClientSampleId :



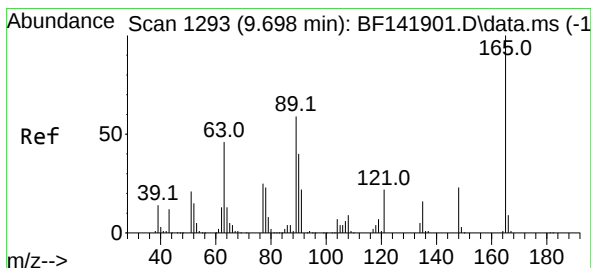
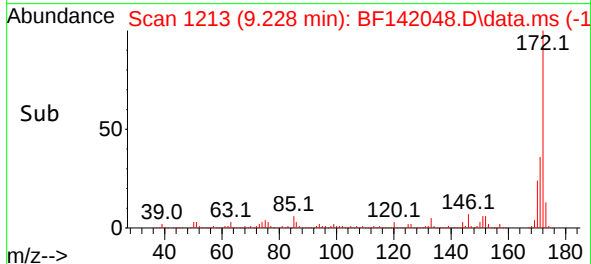
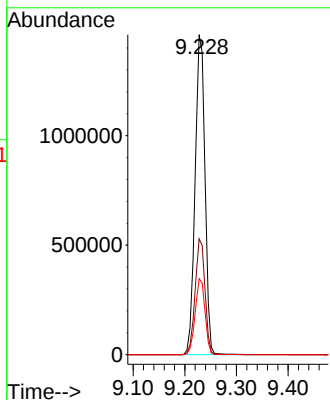
Tgt Ion:172 Resp: 1941051

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.7 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 9.040 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF142048.D

Acq: 24 Mar 2025 11:56

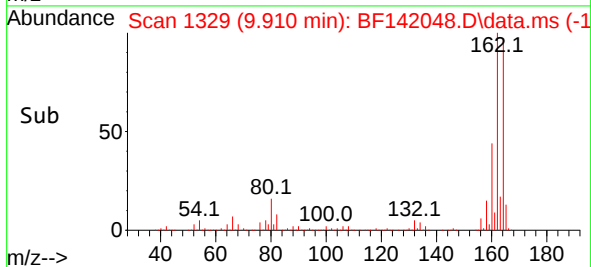
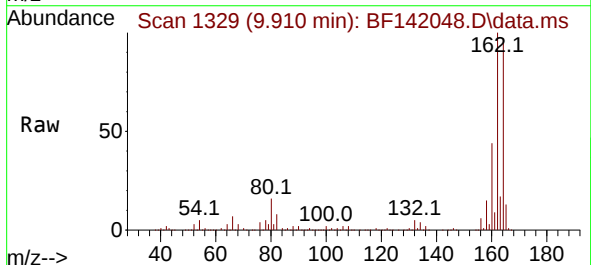
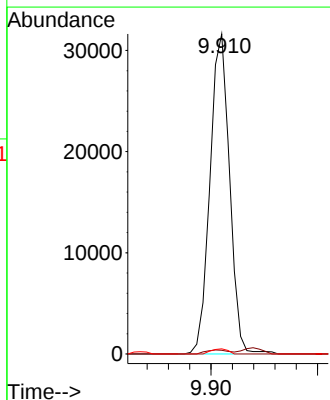
Tgt Ion:165 Resp: 40406

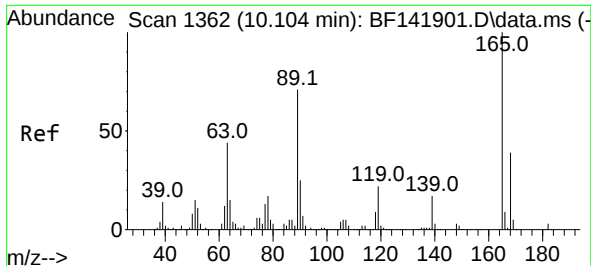
Ion Ratio Lower Upper

165 100

63 1.2 47.0 70.4#

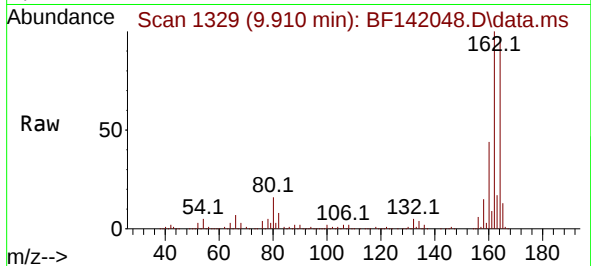
89 1.6 47.4 71.2#



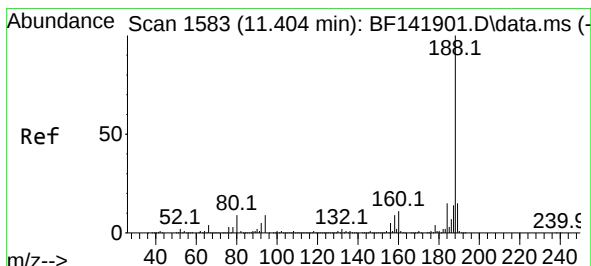
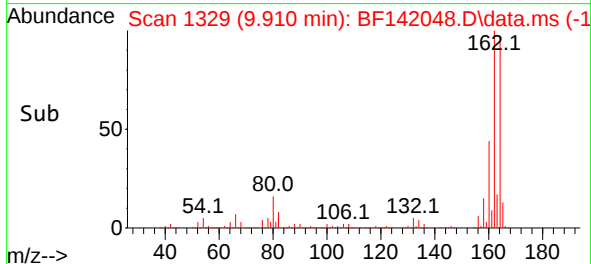
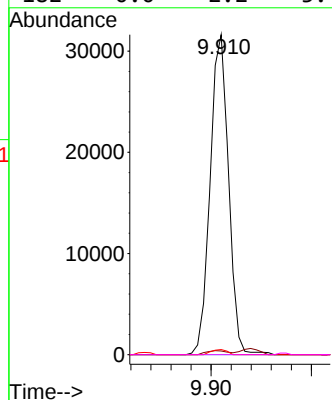


#57
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Instrument :
BNA_F
ClientSampleId :

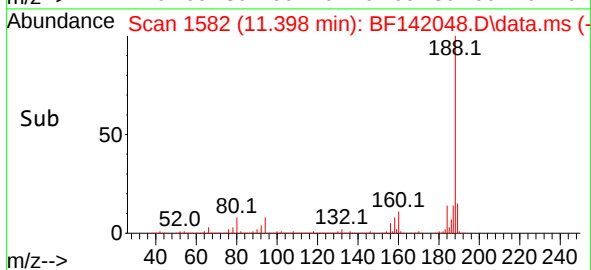
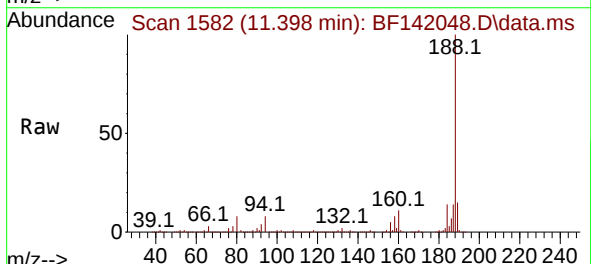
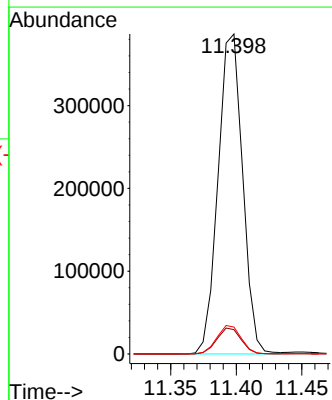


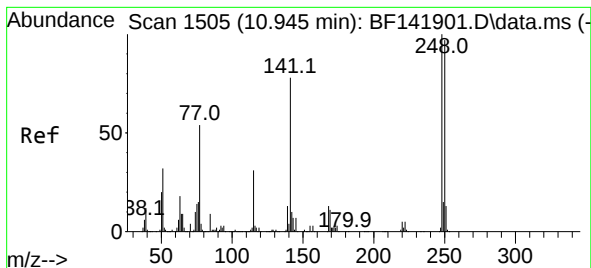
Tgt Ion:165 Resp: 40407
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.6 56.6 84.8#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Tgt Ion:188 Resp: 503375
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.4 7.6 11.4

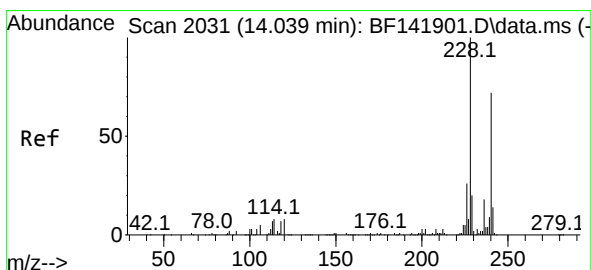
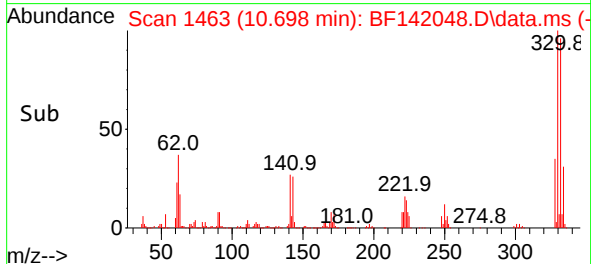
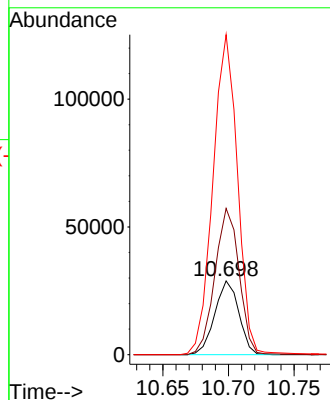
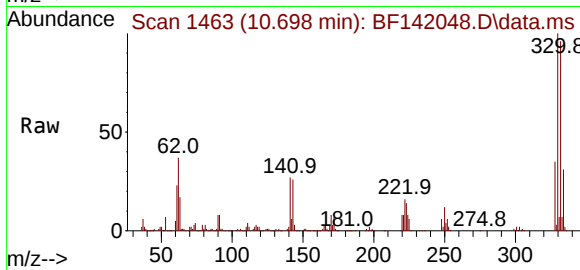




#67
4-Bromophenyl-phenylether
Concen: 5.824 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

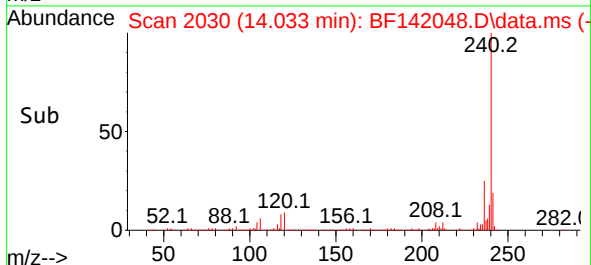
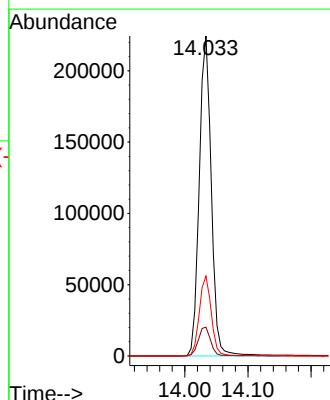
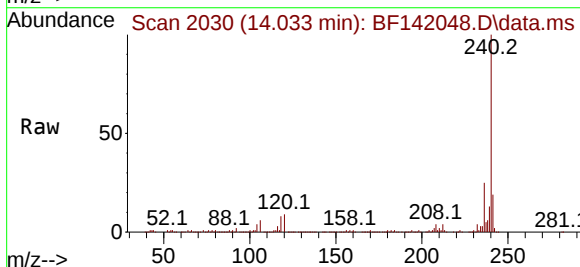
Instrument :
BNA_F
ClientSampleId :

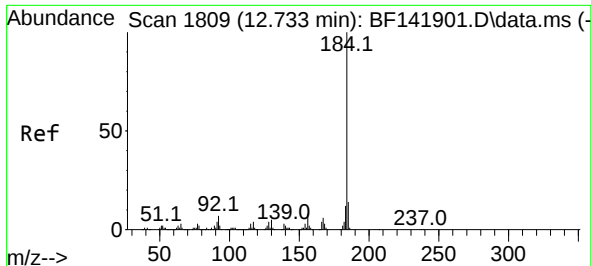
Tgt Ion:248 Resp: 36816
Ion Ratio Lower Upper
248 100
250 198.4 77.8 116.8#
141 434.2 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

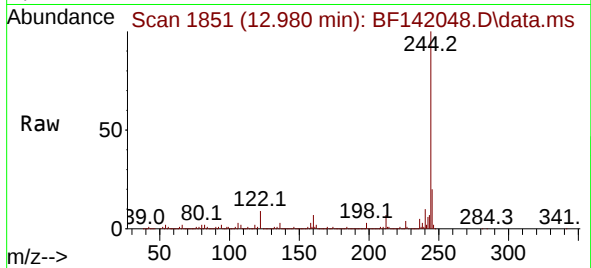
Tgt Ion:240 Resp: 296423
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 24.9 20.5 30.7



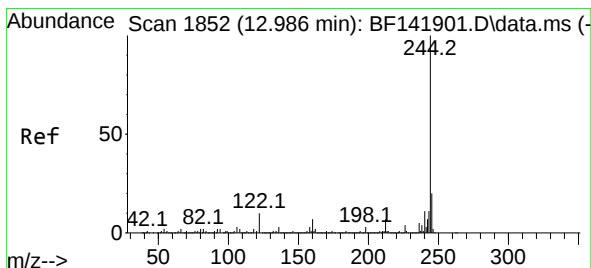
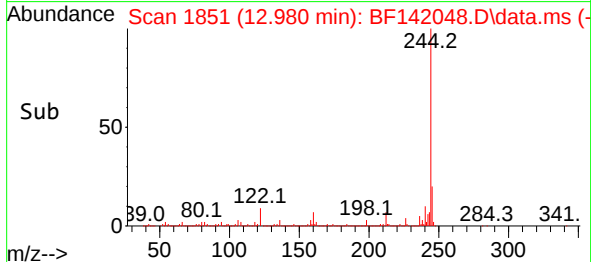
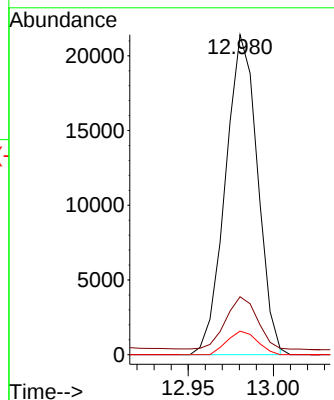


#77
Benzidine
Concen: 6.783 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Instrument :
BNA_F
ClientSampleId :

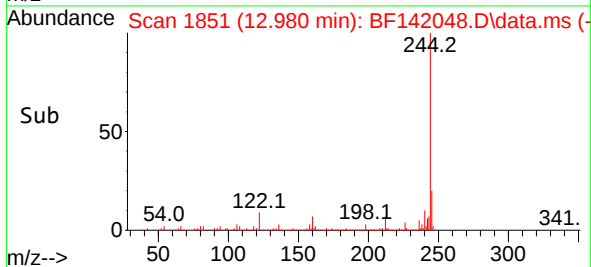
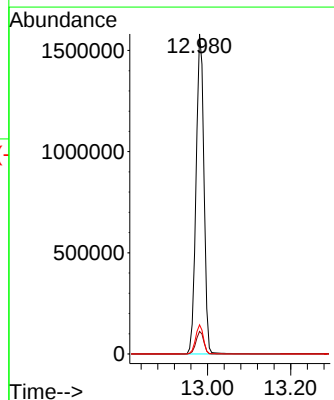
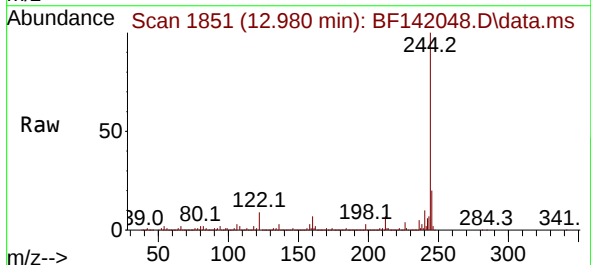


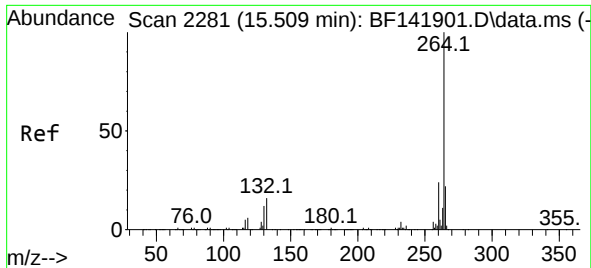
Tgt Ion:184 Resp: 28054
Ion Ratio Lower Upper
184 100
185 18.1 11.5 17.3#
183 7.3 9.7 14.5#



#79
Terphenyl-d14
Concen: 103.667 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

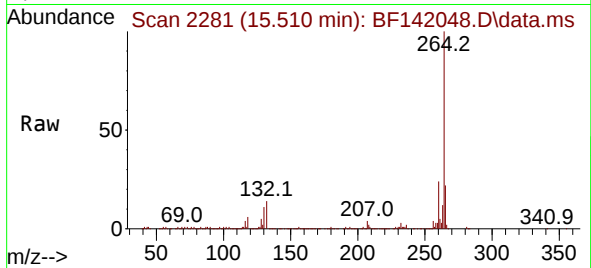
Tgt Ion:244 Resp: 2078466
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.1 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142048.D
Acq: 24 Mar 2025 11:56

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 288645
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.7 17.5 26.3

