

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142074.D
 Acq On : 25 Mar 2025 13:07
 Operator : RC/JU
 Sample : PB167230BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167230BL

Quant Time: Mar 25 13:35:08 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)

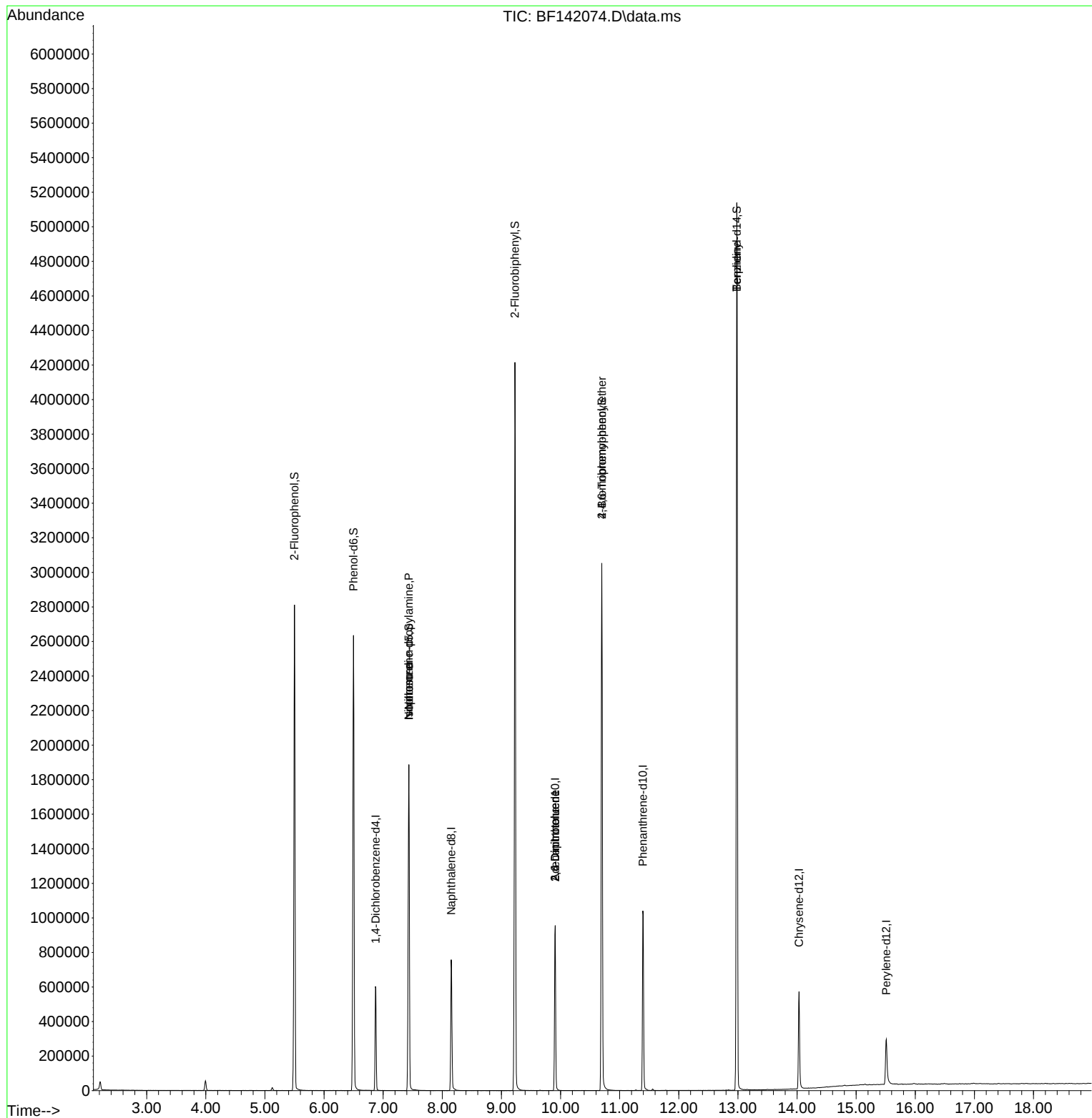
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	133022	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	531369	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	305019	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	577941	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	313839	20.000	ng	0.00
86) Perylene-d12	15.510	264	208944	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1114810	139.870	ng	0.00
7) Phenol-d6	6.498	99	1363922	134.403	ng	0.00
23) Nitrobenzene-d5	7.434	82	917750	97.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	609910	157.617	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1944825	96.968	ng	-0.01
79) Terphenyl-d14	12.980	244	2699497	127.170	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	128394	19.690	ng	# 75
25) Isophorone	7.434	82	910354	54.543	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	39126	8.798	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	39127	6.736	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	37545	5.173	ng	# 1
77) Benzidine	12.980	184	36678	8.377	ng	# 91

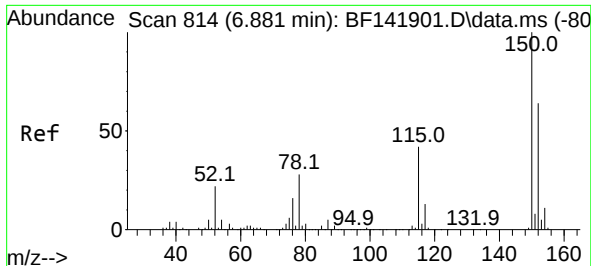
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142074.D
Acq On : 25 Mar 2025 13:07
Operator : RC/JU
Sample : PB167230BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167230BL

Quant Time: Mar 25 13:35:08 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

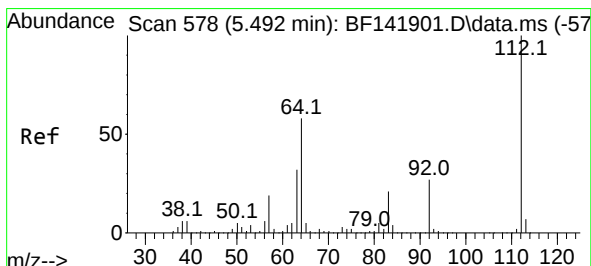
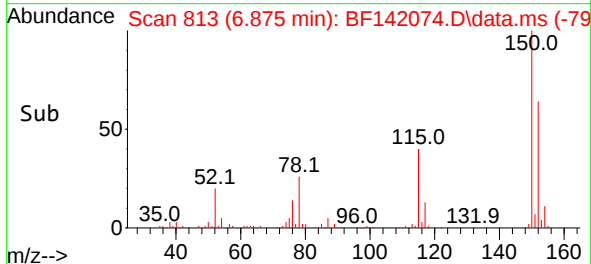
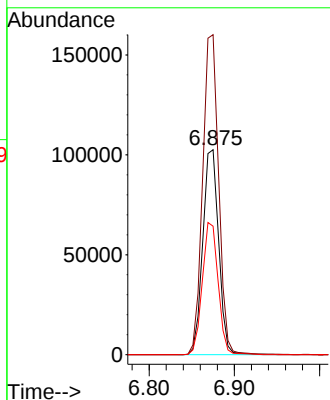
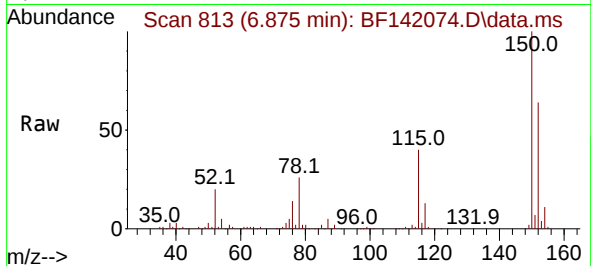




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

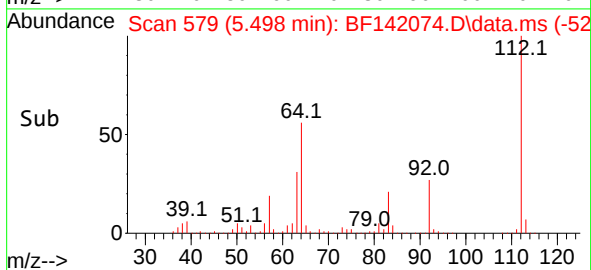
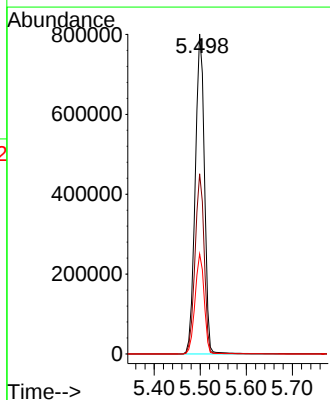
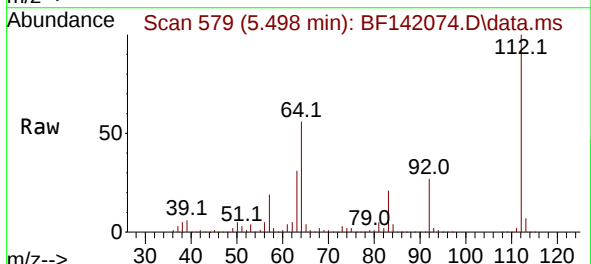
Instrument :
BNA_F
ClientSampleId :
PB167230BL

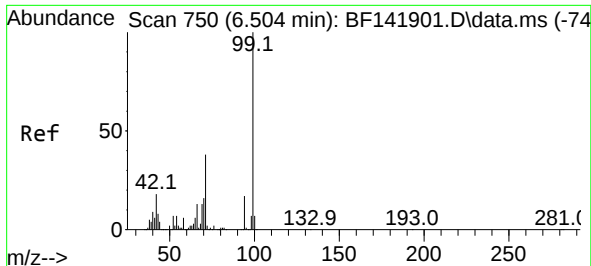
Tgt Ion:152 Resp: 133022
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 62.7 51.9 77.9



#5
2-Fluorophenol
Concen: 139.870 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

Tgt Ion:112 Resp: 1114810
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 31.3 25.4 38.2

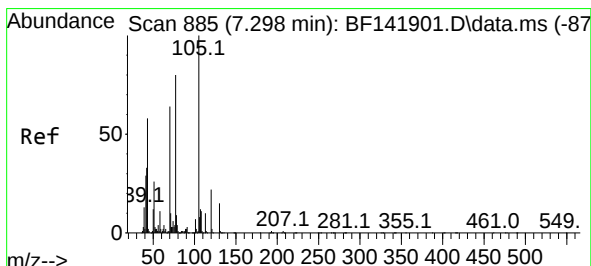
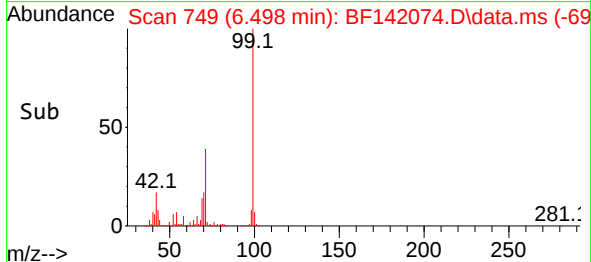
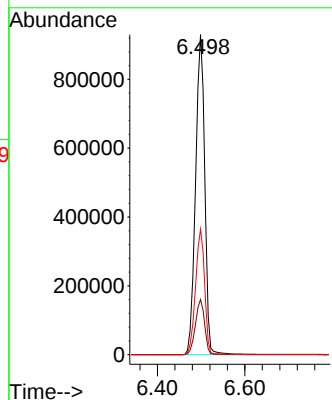
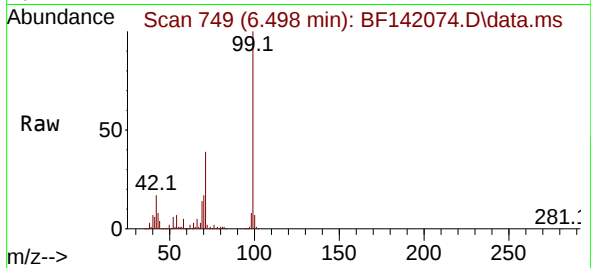




#7
Phenol-d6
Concen: 134.403 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

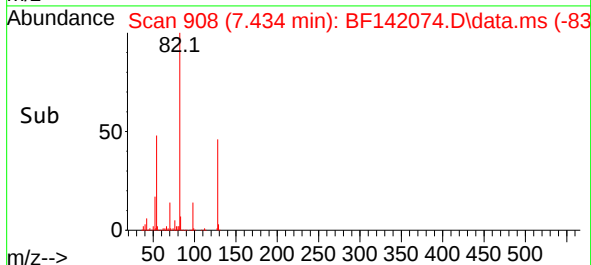
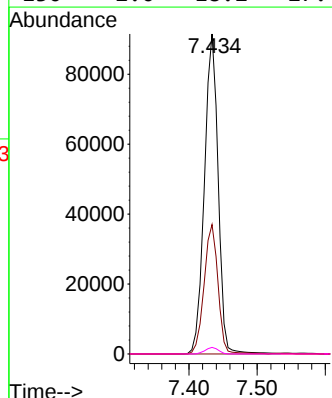
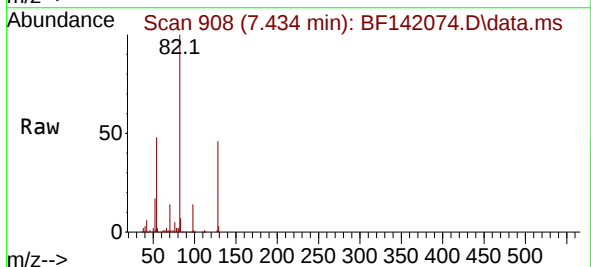
Instrument :
BNA_F
ClientSampleId :
PB167230BL

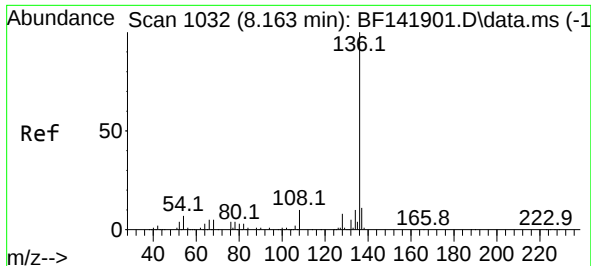
Tgt Ion: 99 Resp: 1363922
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.690 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

Tgt Ion: 70 Resp: 128394
Ion Ratio Lower Upper
70 100
42 40.5 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: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

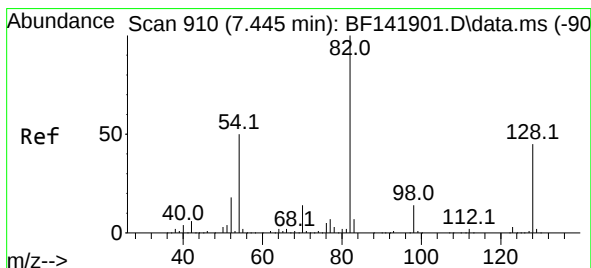
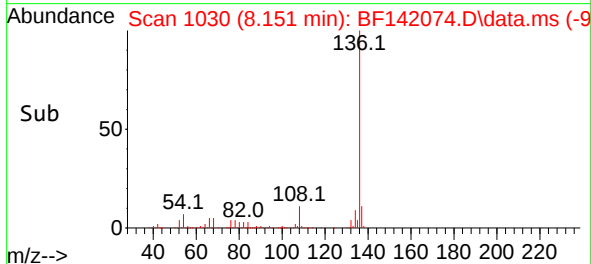
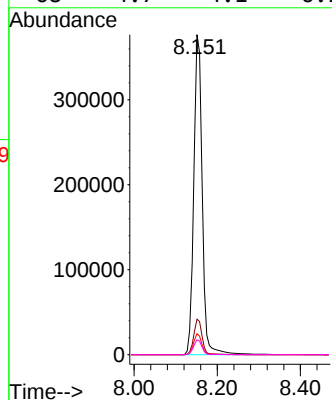
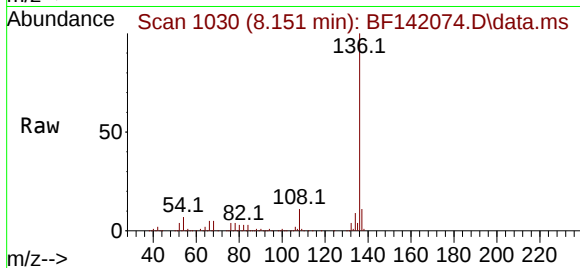
Instrument :

BNA_F

ClientSampleId :

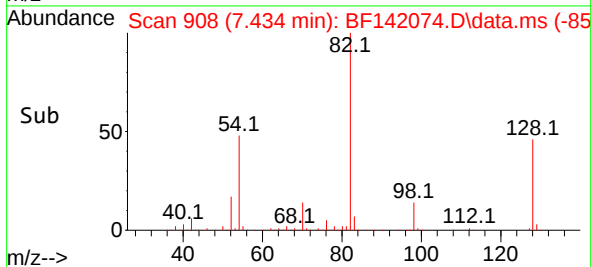
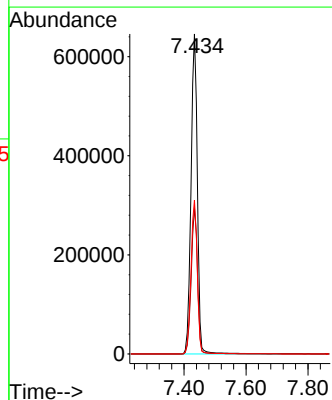
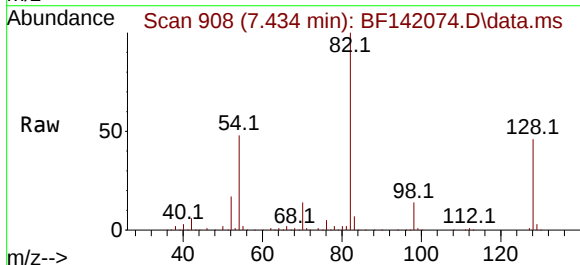
PB167230BL

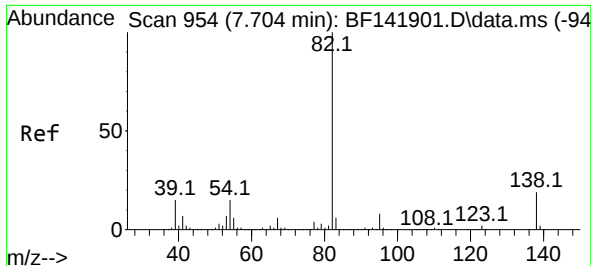
Tgt Ion:136 Resp: 531369
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.8 8.8
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 97.197 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

Tgt Ion: 82 Resp: 917750
Ion Ratio Lower Upper
82 100
128 45.8 36.0 54.0
54 48.1 39.6 59.4

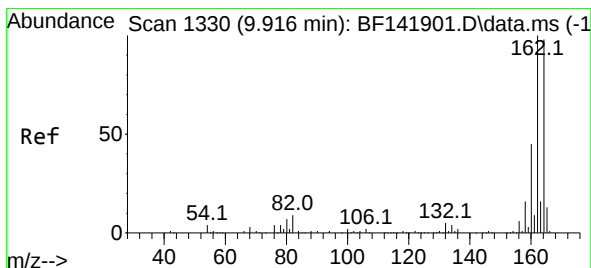
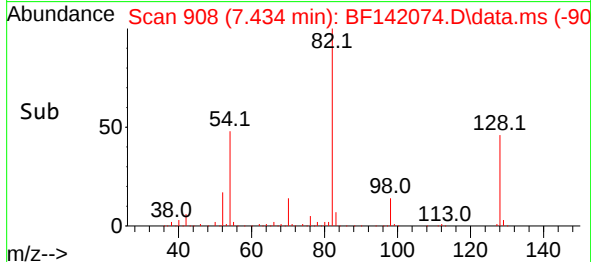
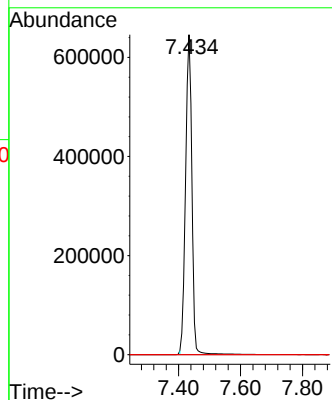
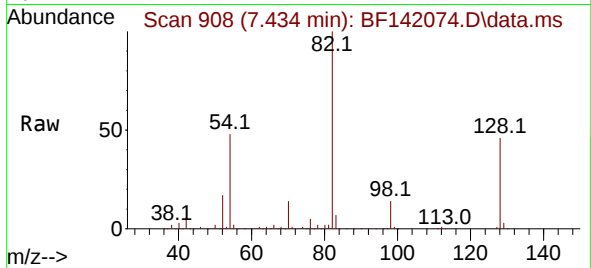




#25
Isophorone
Concen: 54.543 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

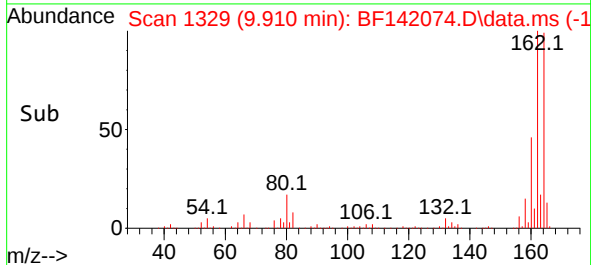
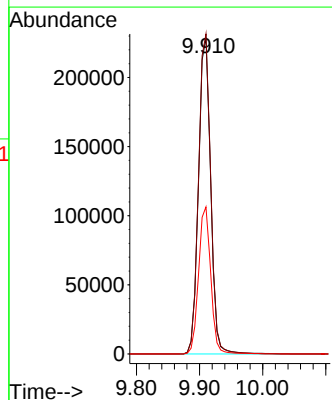
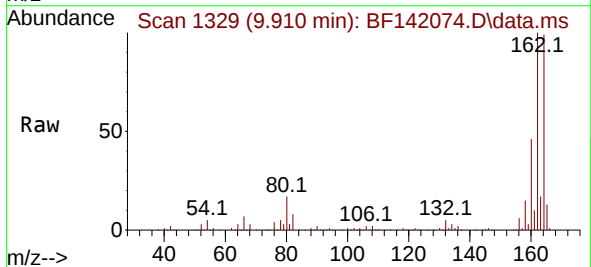
Instrument :
BNA_F
ClientSampleId :
PB167230BL

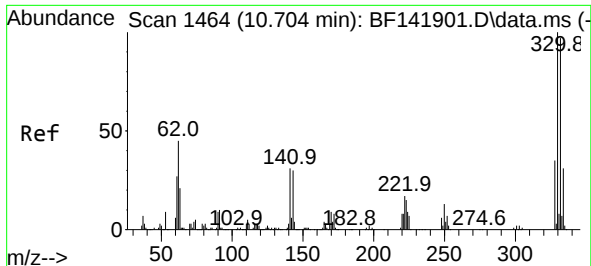
Tgt Ion: 82 Resp: 910354
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

Tgt Ion:164 Resp: 305019
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 46.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 157.617 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142074.D

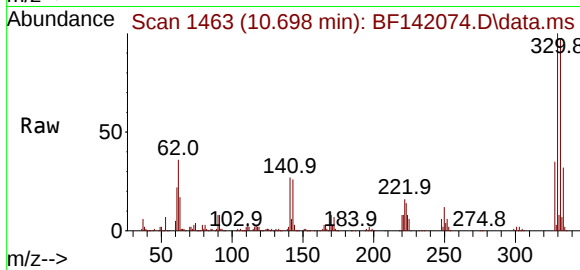
Acq: 25 Mar 2025 13:07

Instrument :

BNA_F

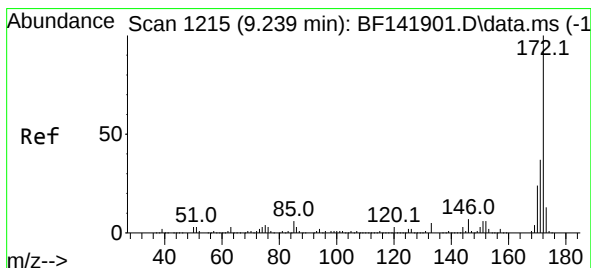
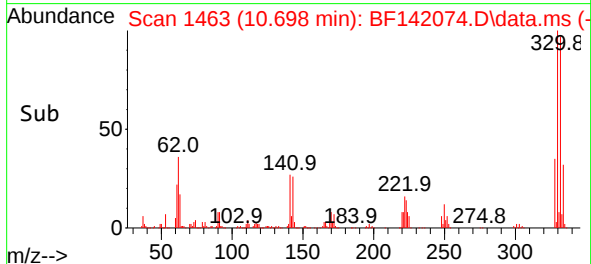
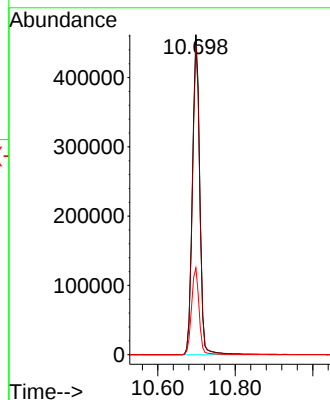
ClientSampleId :

PB167230BL



Tgt Ion:330 Resp: 609910

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	27.8	24.7	37.1



#45

2-Fluorobiphenyl

Concen: 96.968 ng

RT: 9.228 min Scan# 1213

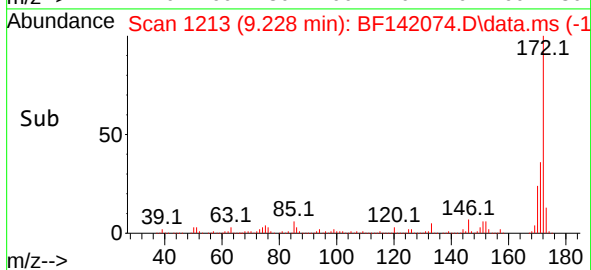
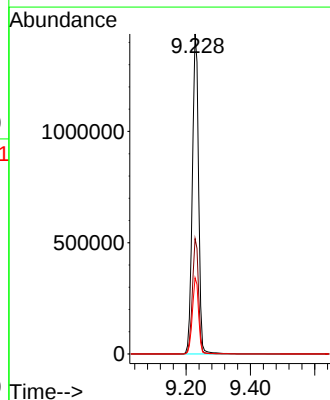
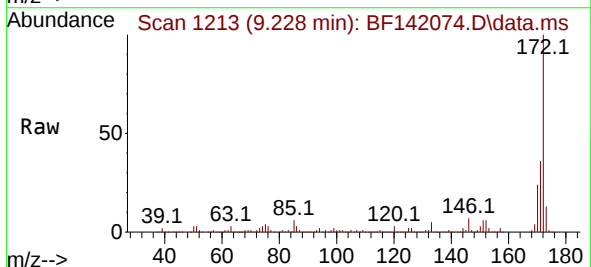
Delta R.T. -0.012 min

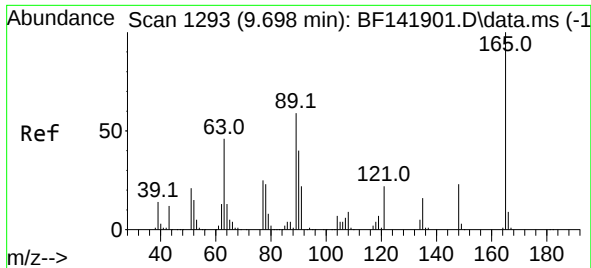
Lab File: BF142074.D

Acq: 25 Mar 2025 13:07

Tgt Ion:172 Resp: 1944825

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.8	19.4	29.0

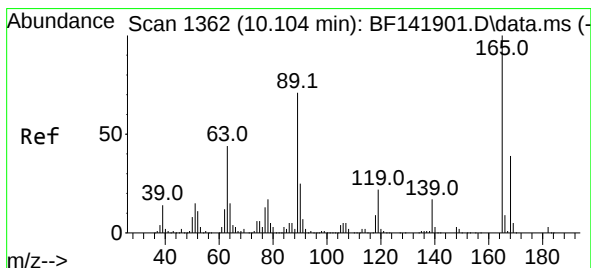
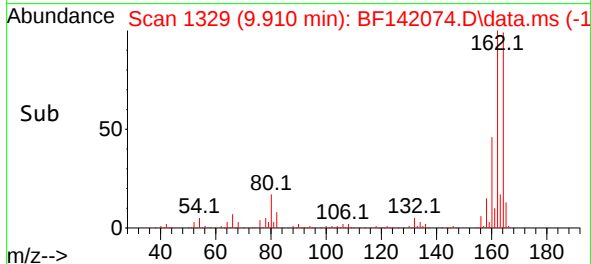
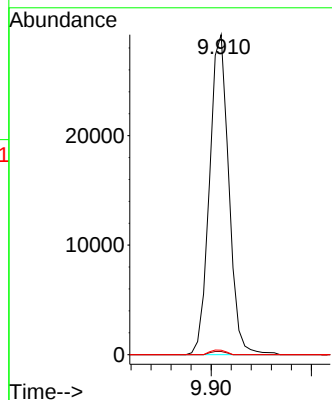
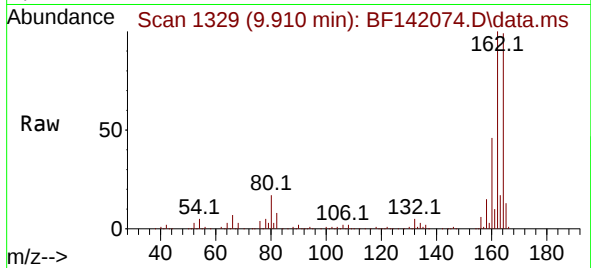




#51
2,6-Dinitrotoluene
Concen: 8.798 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

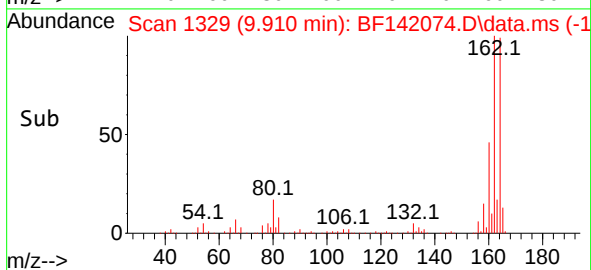
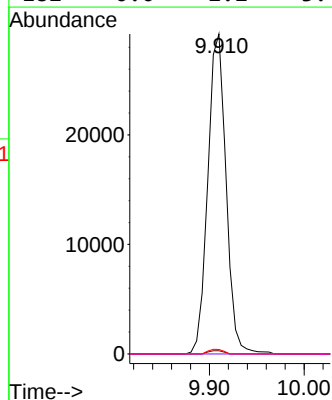
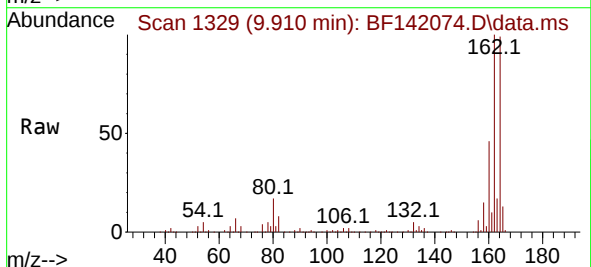
Instrument :
BNA_F
ClientSampleId :
PB167230BL

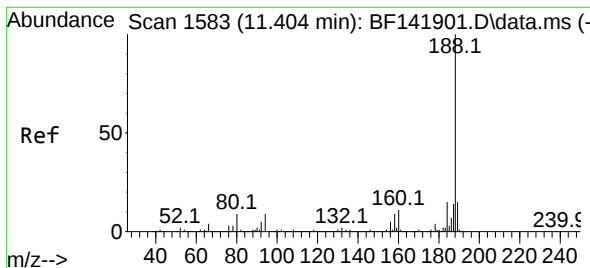
Tgt Ion:165 Resp: 39126
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.736 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

Tgt Ion:165 Resp: 39127
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142074.D

Acq: 25 Mar 2025 13:07

Instrument :

BNA_F

ClientSampleId :

PB167230BL

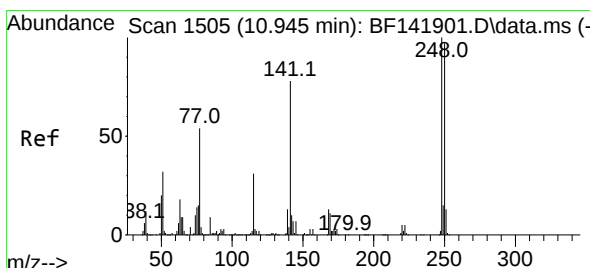
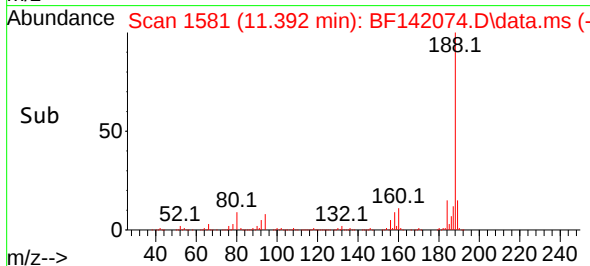
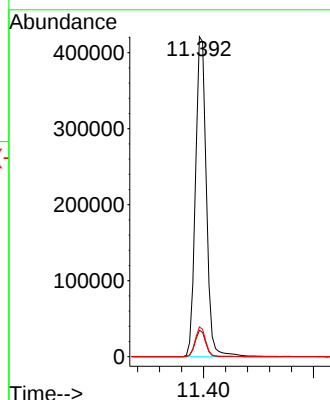
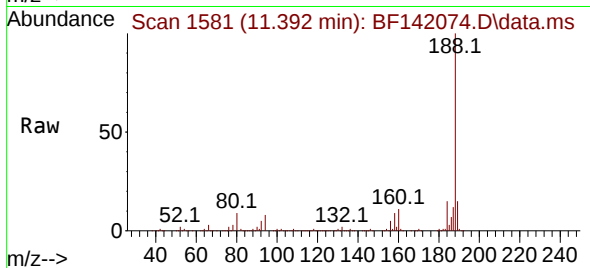
Tgt Ion:188 Resp: 577941

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.173 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142074.D

Acq: 25 Mar 2025 13:07

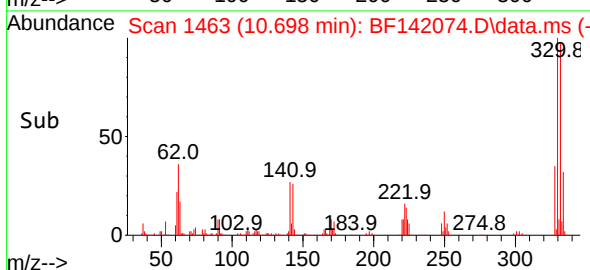
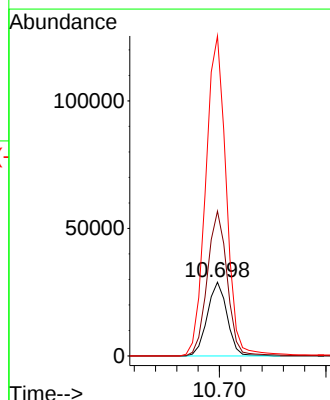
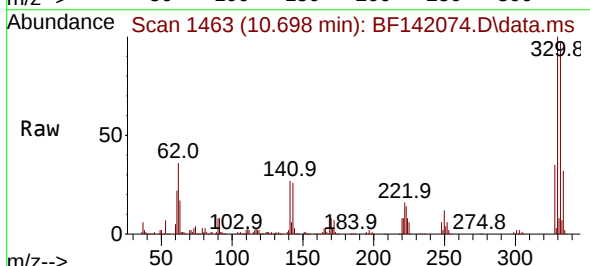
Tgt Ion:248 Resp: 37545

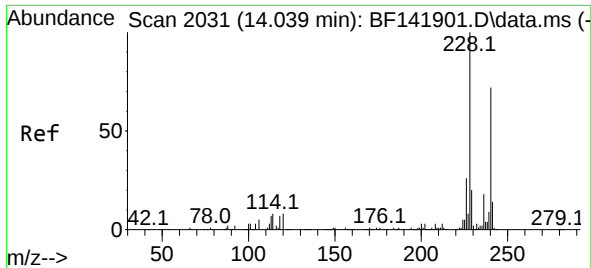
Ion Ratio Lower Upper

248 100

250 196.4 77.8 116.8#

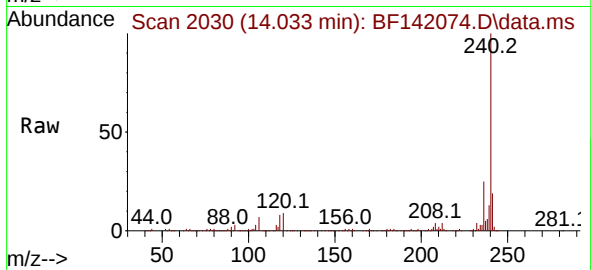
141 434.0 62.6 93.8#



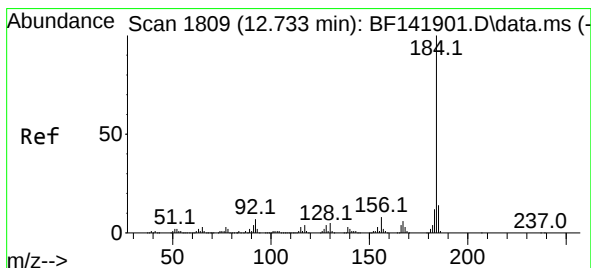
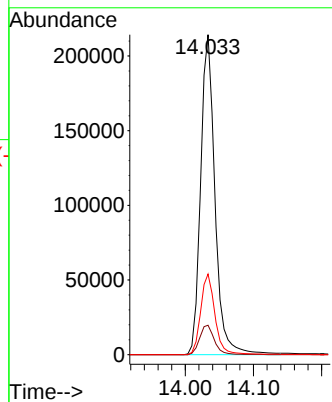
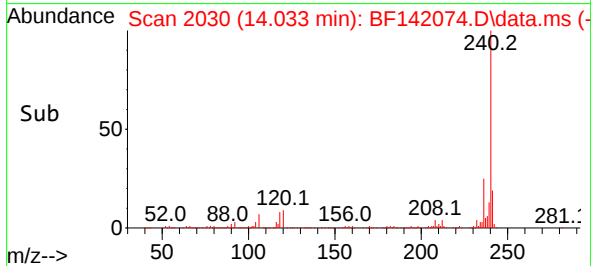


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07

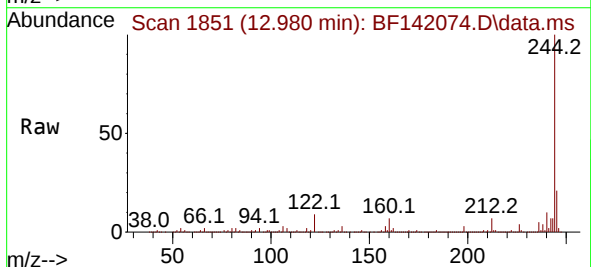
Instrument :
BNA_F
ClientSampleId :
PB167230BL



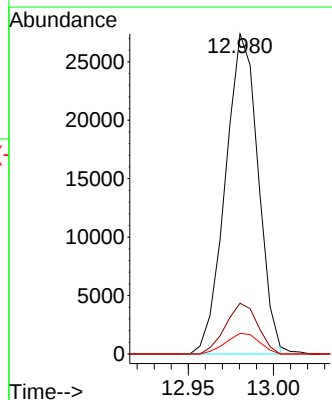
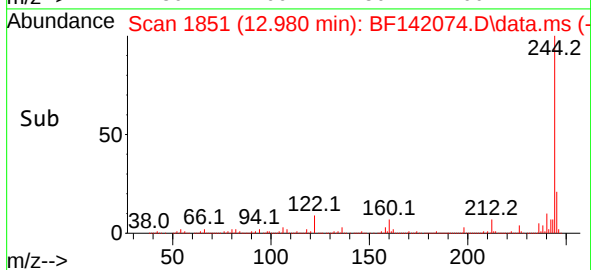
Tgt Ion:240 Resp: 313839
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.2 20.5 30.7

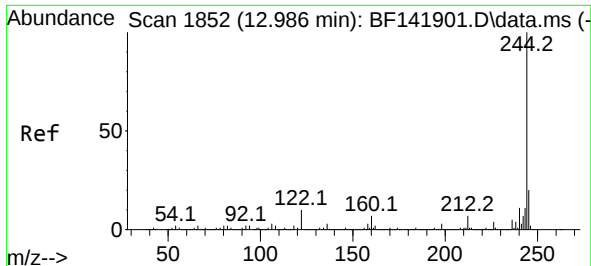


#77
Benzidine
Concen: 8.377 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142074.D
Acq: 25 Mar 2025 13:07



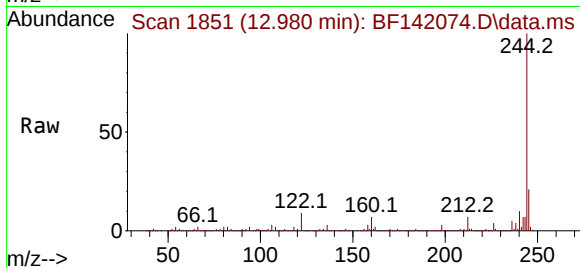
Tgt Ion:184 Resp: 36678
Ion Ratio Lower Upper
184 100
185 15.8 11.5 17.3
183 6.4 9.7 14.5





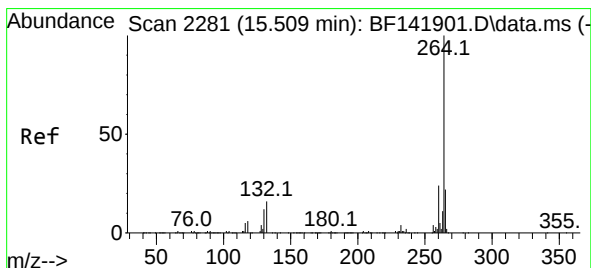
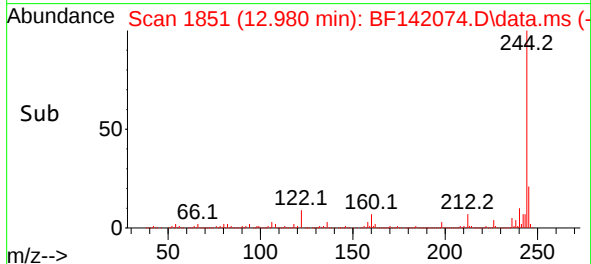
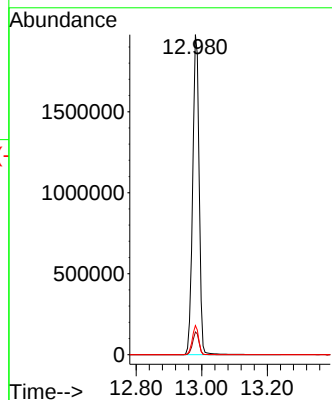
#79
 Terphenyl-d14
 Concen: 127.170 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142074.D
 Acq: 25 Mar 2025 13:07

Instrument :
 BNA_F
 ClientSampleId :
 PB167230BL



Tgt Ion:244 Resp: 2699497

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# 2281
 Delta R.T. 0.000 min
 Lab File: BF142074.D
 Acq: 25 Mar 2025 13:07

Tgt Ion:264 Resp: 208944

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.1	17.5	26.3

