

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142653.D
 Acq On : 06 Jun 2025 18:31
 Operator : RC/JU
 Sample : Q2198-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-202-GW01

Quant Time: Jun 06 22:56:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

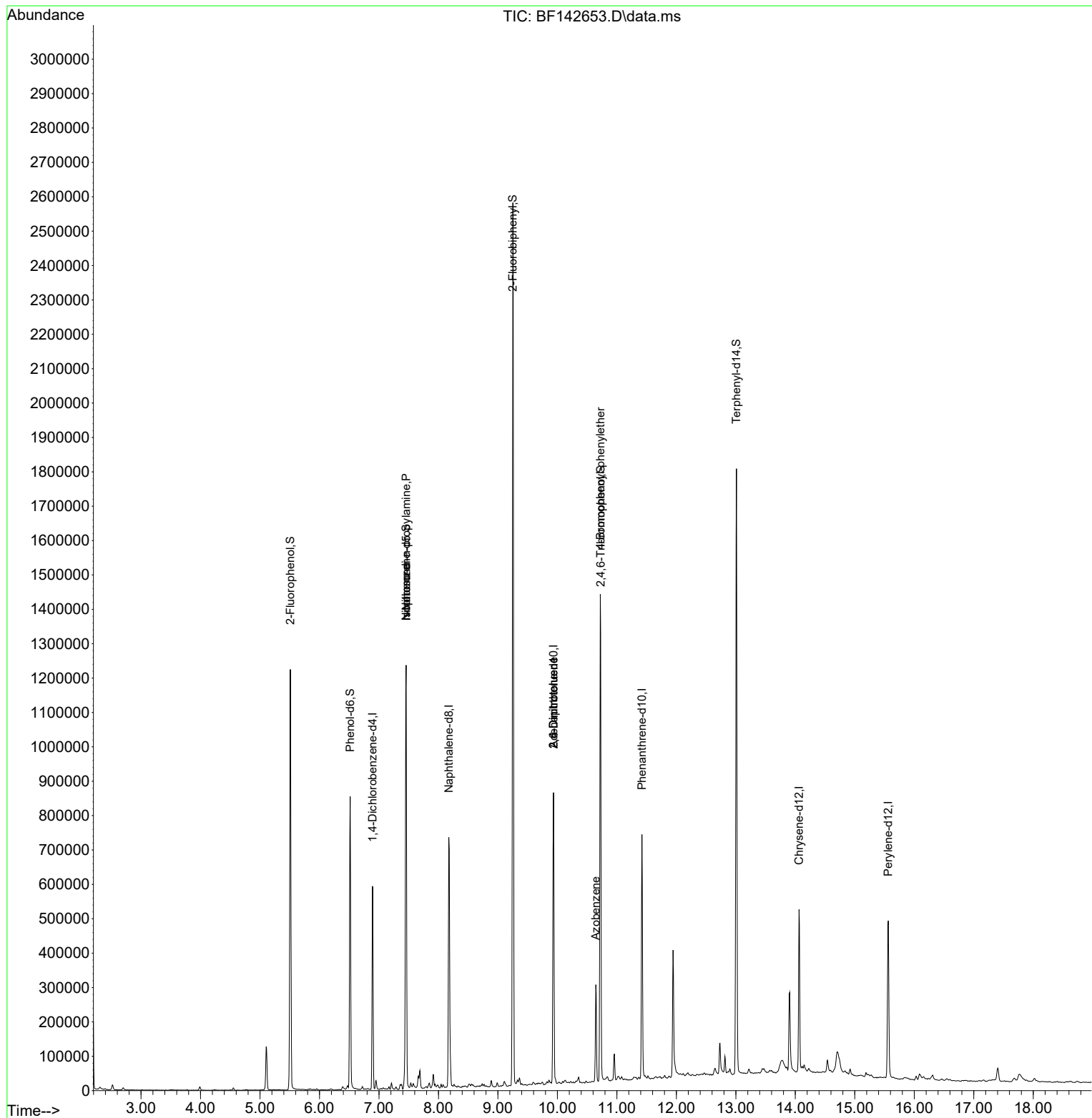
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128178	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	474023	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	251177	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	369246	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	237734	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	277909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	463907	60.975	ng	0.00
7) Phenol-d6	6.516	99	396110	43.251	ng	-0.02
23) Nitrobenzene-d5	7.457	82	552796	63.590	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	256731	92.093	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1172336	62.630	ng	-0.02
79) Terphenyl-d14	13.010	244	875765	50.341	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	74612	13.145	ng	# 75
25) Isophorone	7.457	82	534947	36.806	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	32334	9.039	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	32334	6.921	ng	# 28
63) Azobenzene	10.645	77	66785	4.594	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	15790	3.617	ng	# 1

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

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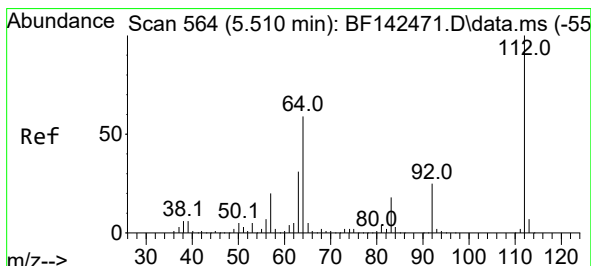
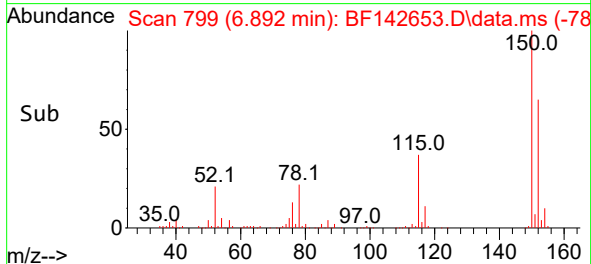
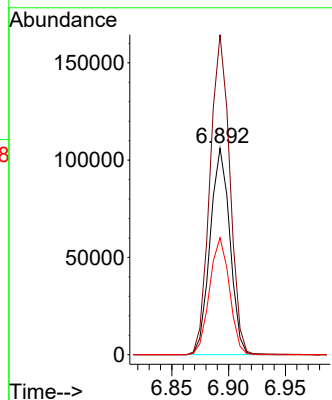
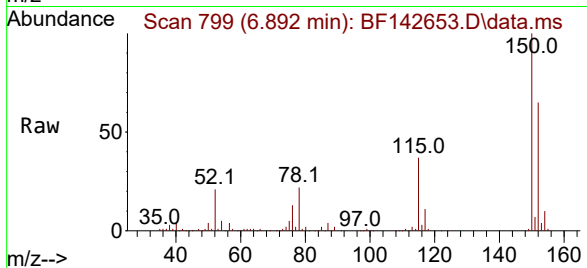




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

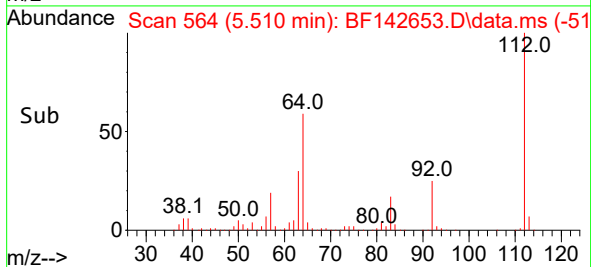
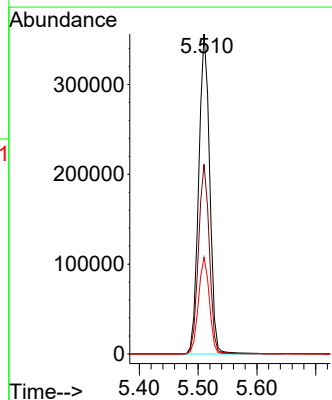
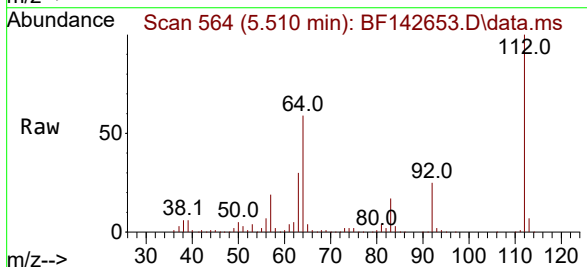
Instrument :
BNA_F
ClientSampleId :
B-202-GW01

Tgt Ion:152 Resp: 128178
Ion Ratio Lower Upper
152 100
150 155.0 128.2 192.4
115 56.7 48.3 72.5



#5
2-Fluorophenol
Concen: 60.975 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Tgt Ion:112 Resp: 463907
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 30.2 24.9 37.3

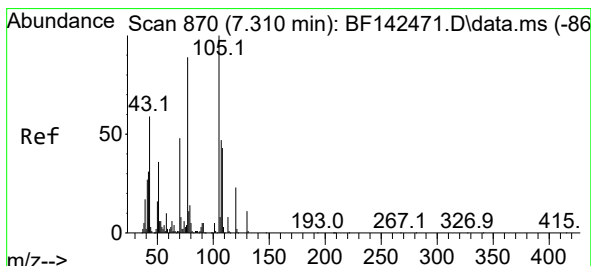
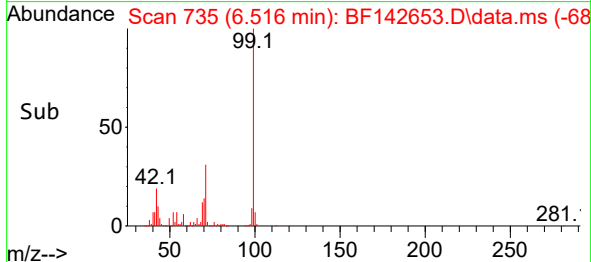
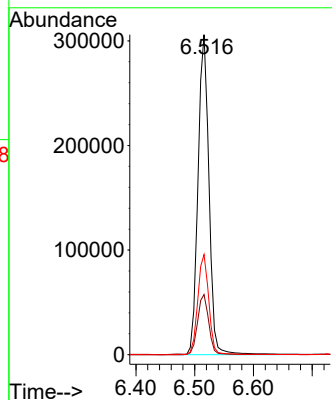
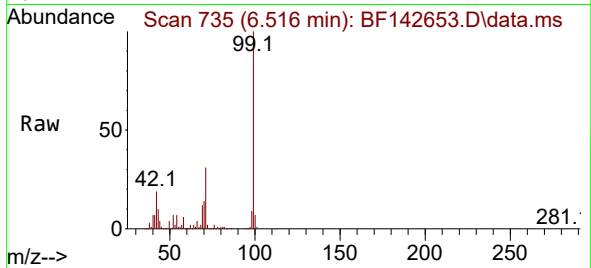




#7
Phenol-d6
Concen: 43.251 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

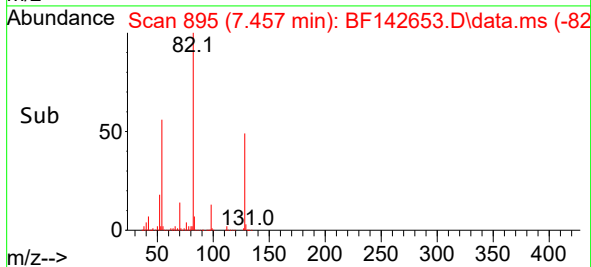
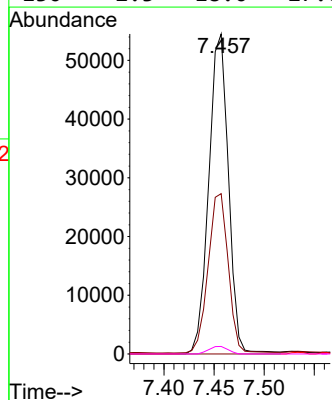
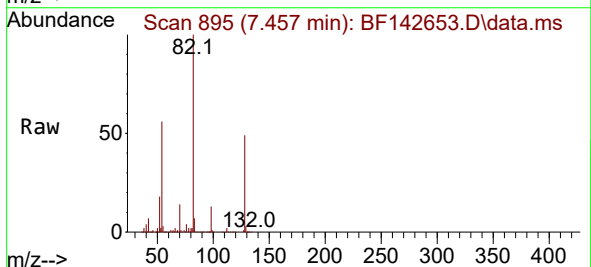
Instrument :
BNA_F
ClientSampleId :
B-202-GW01

Tgt Ion: 99 Resp: 396110
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 31.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.145 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Tgt Ion: 70 Resp: 74612
Ion Ratio Lower Upper
70 100
42 50.1 52.4 78.6#
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



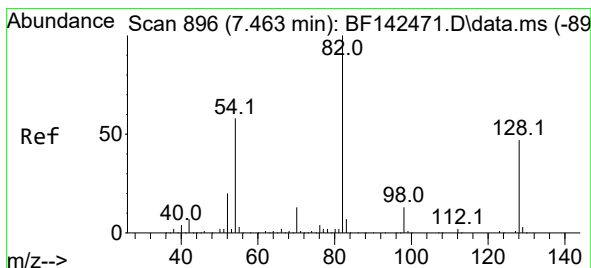
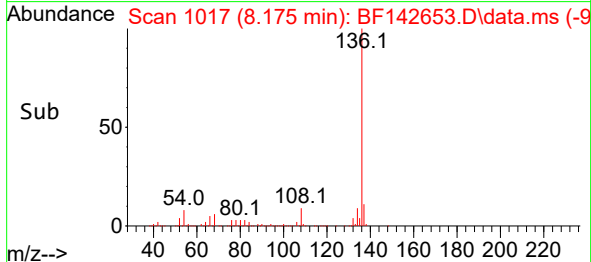
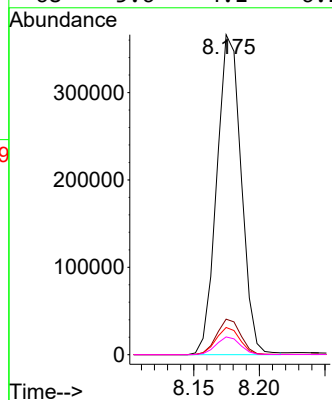
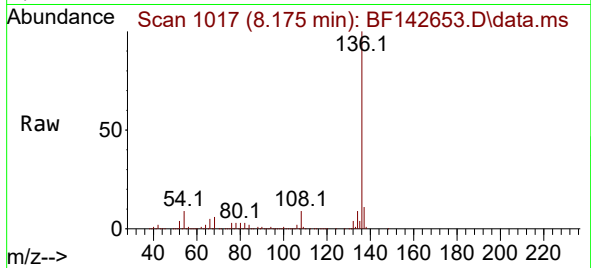


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Instrument :
BNA_F
ClientSampleId :
B-202-GW01

Tgt Ion:136 Resp: 474023

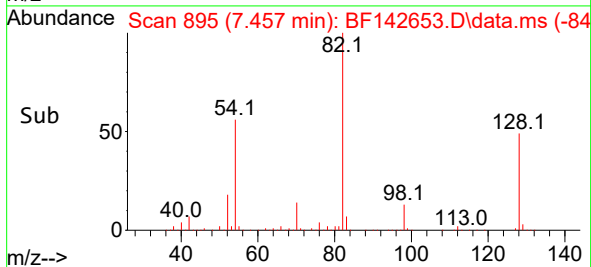
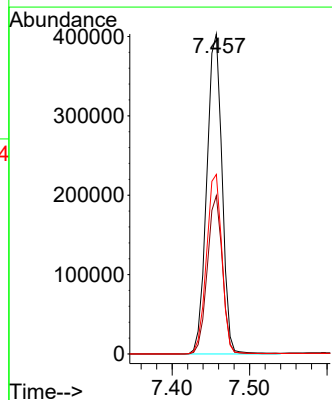
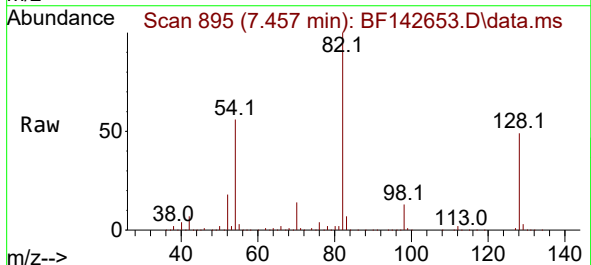
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.5	6.6	10.0
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 63.590 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Tgt Ion: 82 Resp: 552796

Ion	Ratio	Lower	Upper
82	100		
128	49.5	37.4	56.2
54	56.1	46.6	70.0

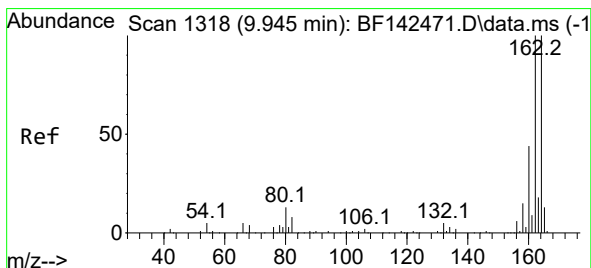
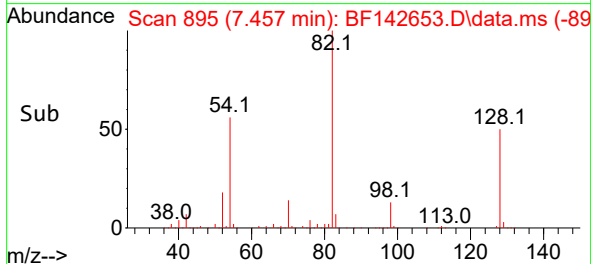
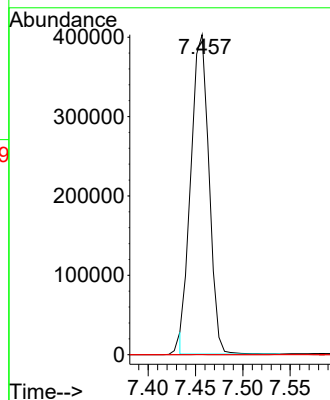
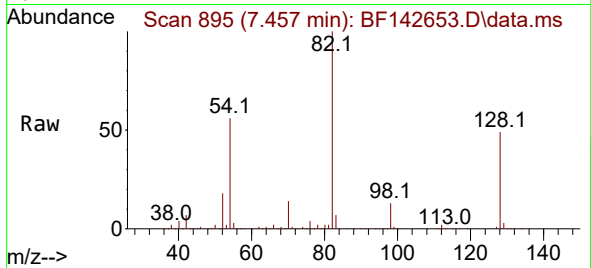




#25
Isophorone
Concen: 36.806 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

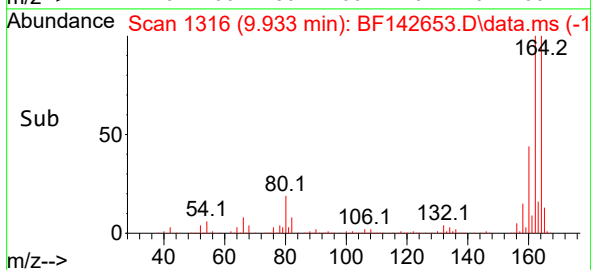
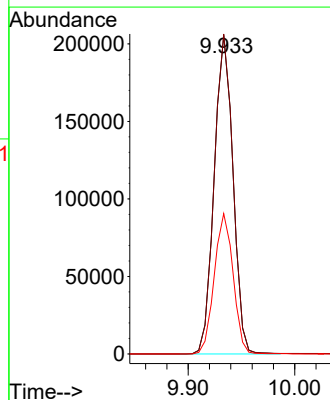
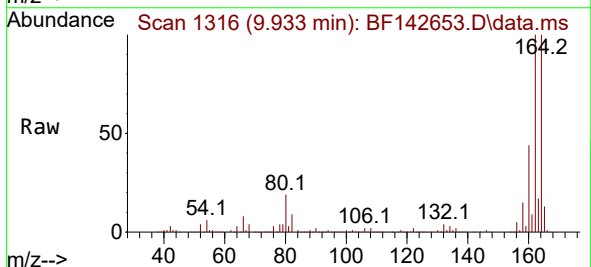
Instrument :
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ClientSampleId :
B-202-GW01

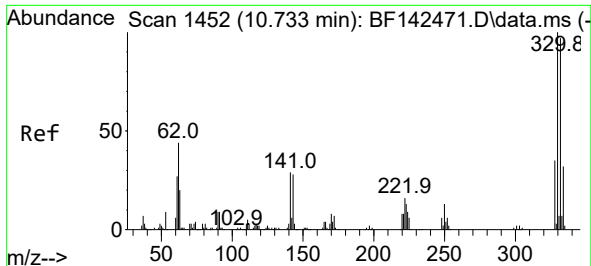
Tgt Ion: 82 Resp: 534947
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

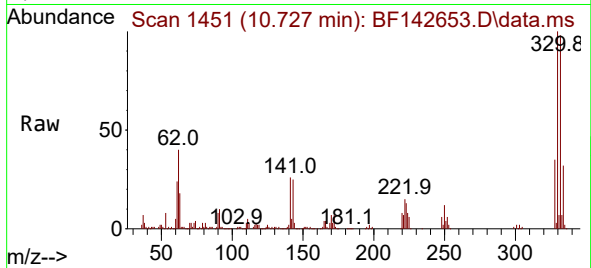
Tgt Ion:164 Resp: 251177
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.4
160 44.1 35.6 53.4



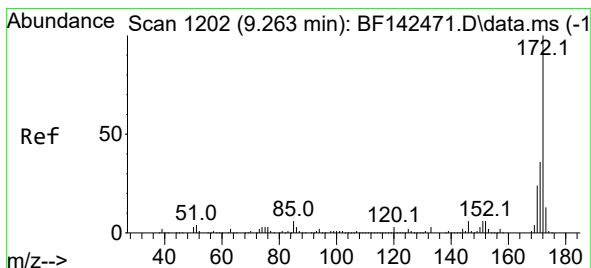
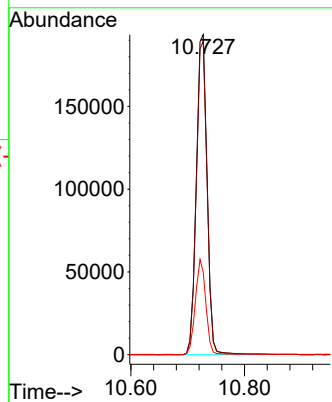
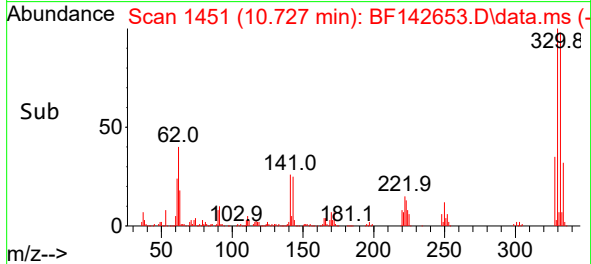


#42
2,4,6-Tribromophenol
Concen: 92.093 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

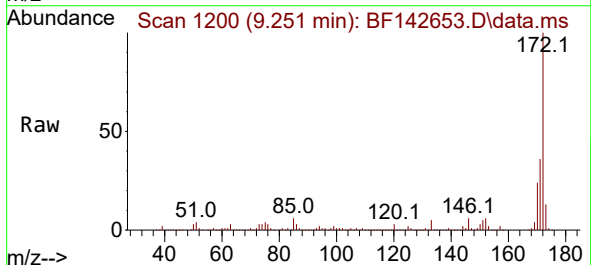
Instrument :
BNA_F
ClientSampleId :
B-202-GW01



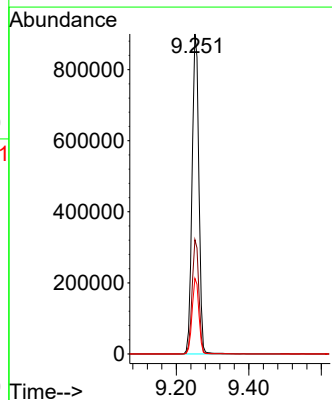
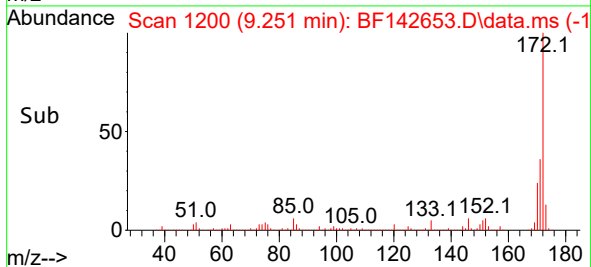
Tgt Ion:330 Resp: 256731
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 29.0 24.6 36.8

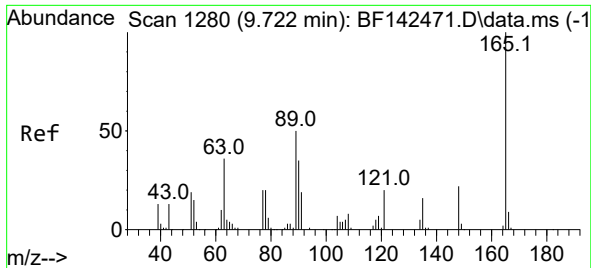


#45
2-Fluorobiphenyl
Concen: 62.630 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31



Tgt Ion:172 Resp: 1172336
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.6 18.9 28.3

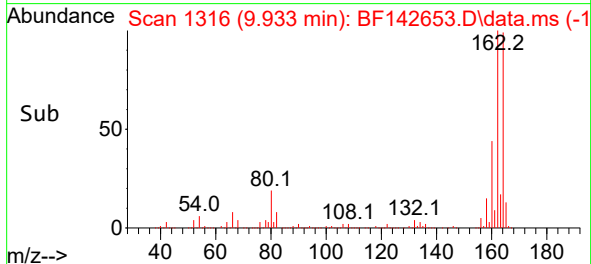
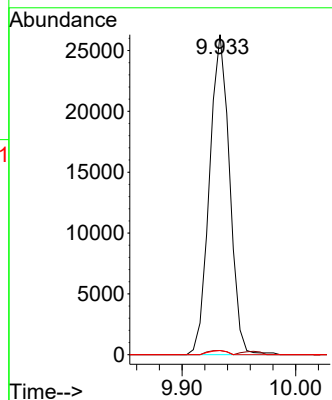
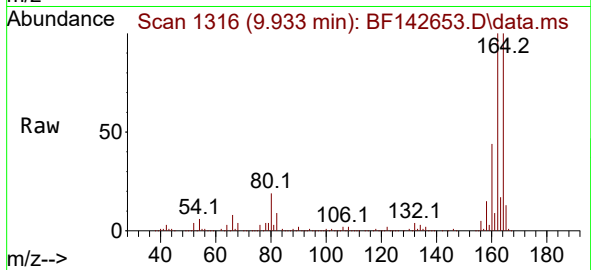




#51
2,6-Dinitrotoluene
Concen: 9.039 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

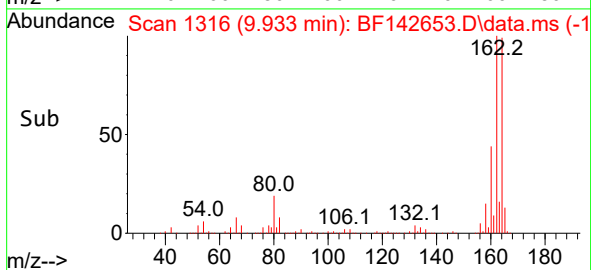
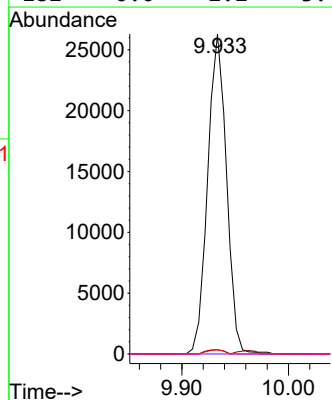
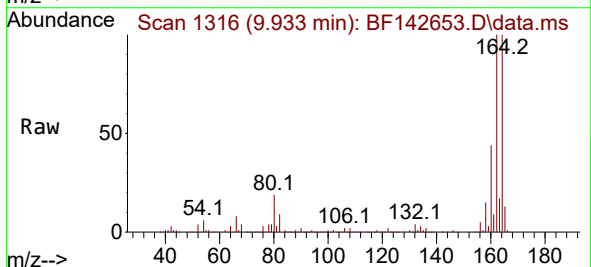
Instrument :
BNA_F
ClientSampleId :
B-202-GW01

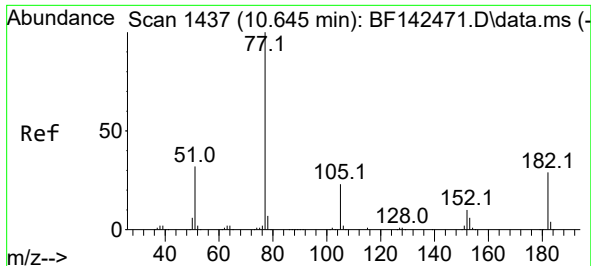
Tgt Ion:165 Resp: 32334
Ion Ratio Lower Upper
165 100
63 1.3 42.9 64.3#
89 1.3 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Tgt Ion:165 Resp: 32334
Ion Ratio Lower Upper
165 100
63 1.3 33.6 50.4#
89 1.3 50.2 75.4#
182 0.0 2.2 3.4#

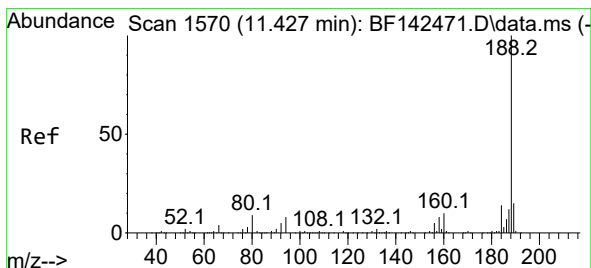
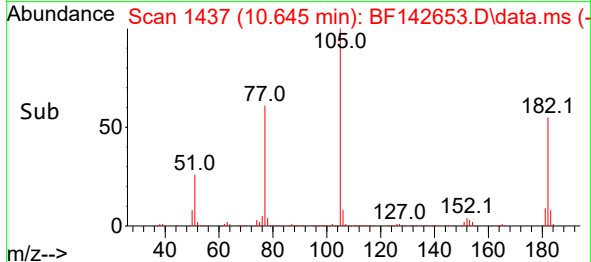
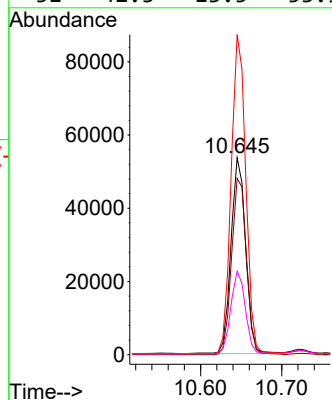
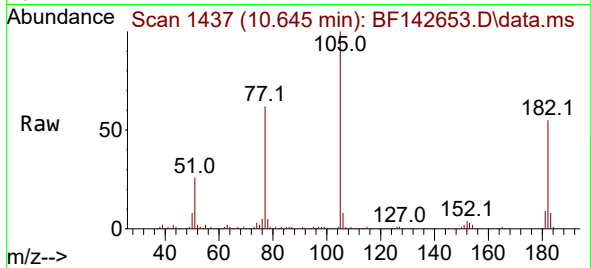




#63
Azobenzene
Concen: 4.594 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

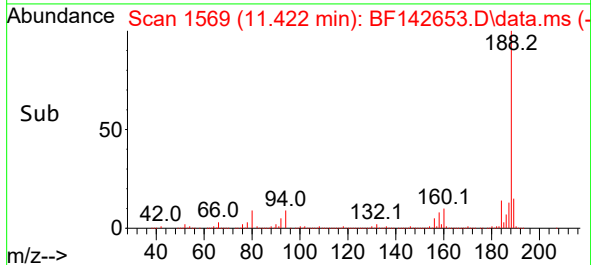
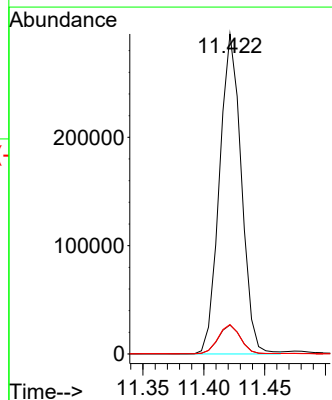
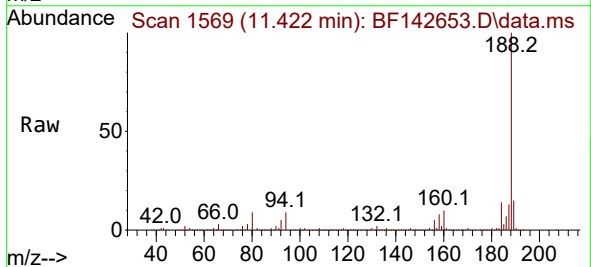
Instrument :
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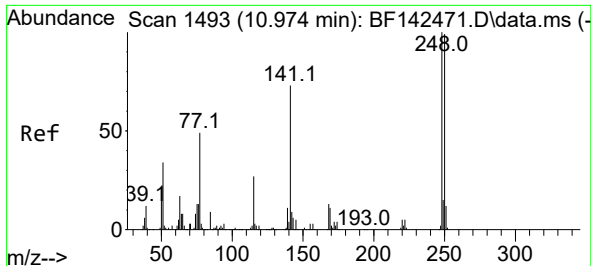
Tgt Ion: 77 Resp: 66785
Ion Ratio Lower Upper
77 100
182 89.5 9.0 49.0#
105 162.5 2.4 42.4#
51 42.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

Tgt Ion: 188 Resp: 369246
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.2 7.4 11.0

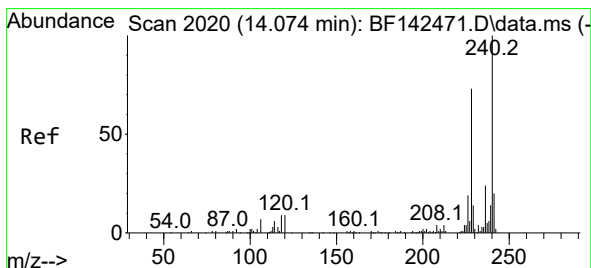
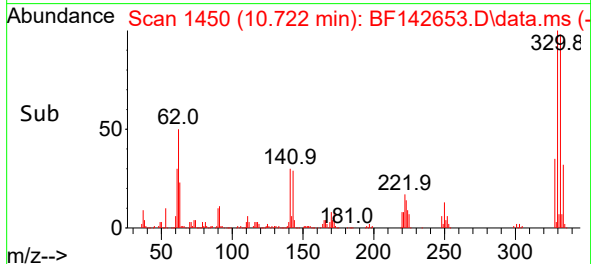
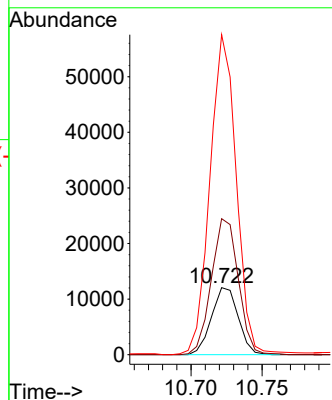
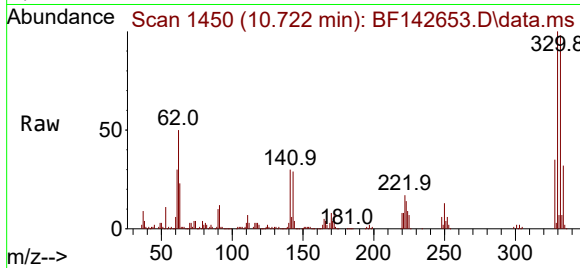




#67
4-Bromophenyl-phenylether
Concen: 3.617 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

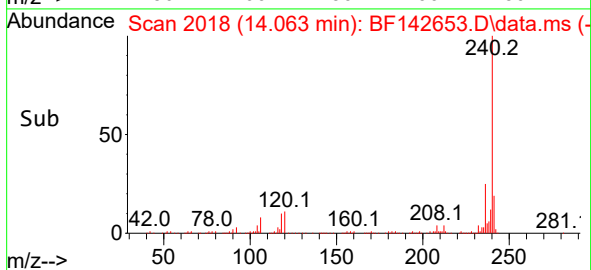
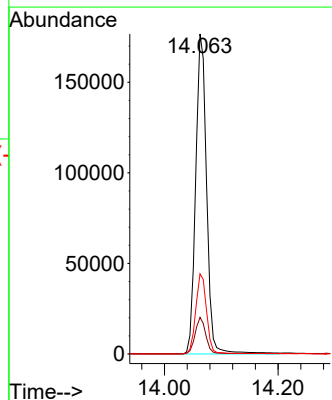
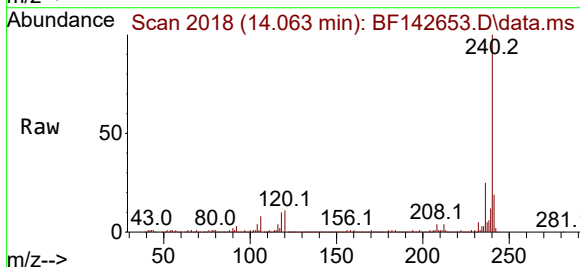
Instrument :
BNA_F
ClientSampleId :
B-202-GW01

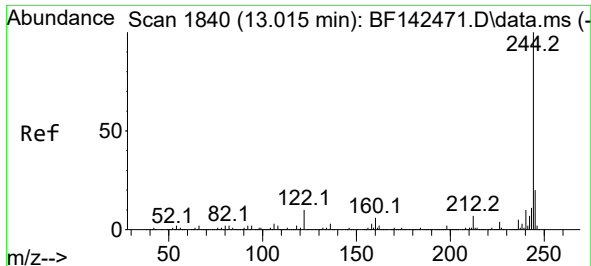
Tgt Ion:248 Resp: 15790
Ion Ratio Lower Upper
248 100
250 203.0 79.0 118.4#
141 477.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142653.D
Acq: 06 Jun 2025 18:31

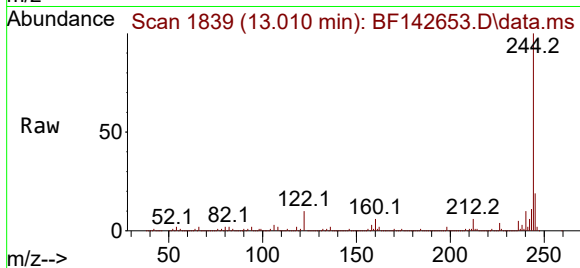
Tgt Ion:240 Resp: 237734
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.1 19.6 29.4



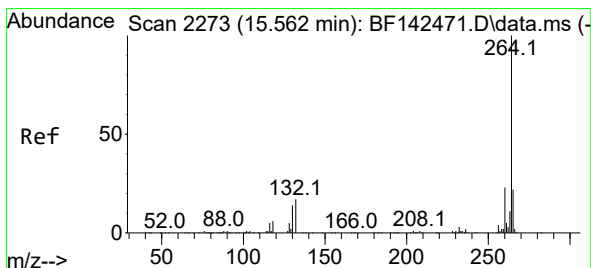
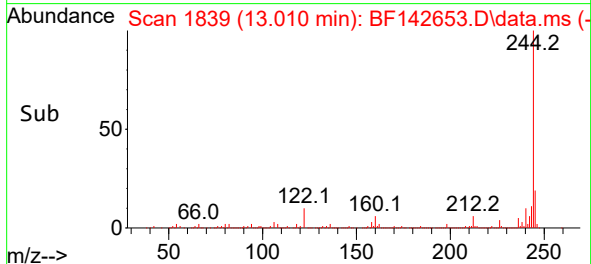
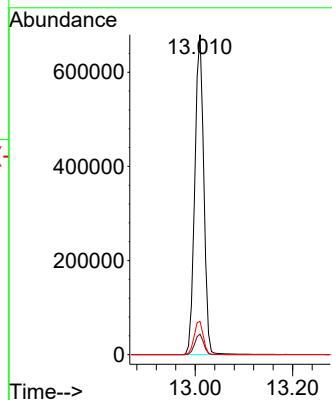


#79
 Terphenyl-d14
 Concen: 50.341 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142653.D
 Acq: 06 Jun 2025 18:31

Instrument :
 BNA_F
 ClientSampleId :
 B-202-GW01



Tgt Ion:244 Resp: 875765
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.4 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142653.D
 Acq: 06 Jun 2025 18:31

Tgt Ion:264 Resp: 277909
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 22.1 17.7 26.5

