

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142103.D
 Acq On : 26 Mar 2025 18:10
 Operator : RC/JU
 Sample : Q1636-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Mar 26 18:45:12 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)

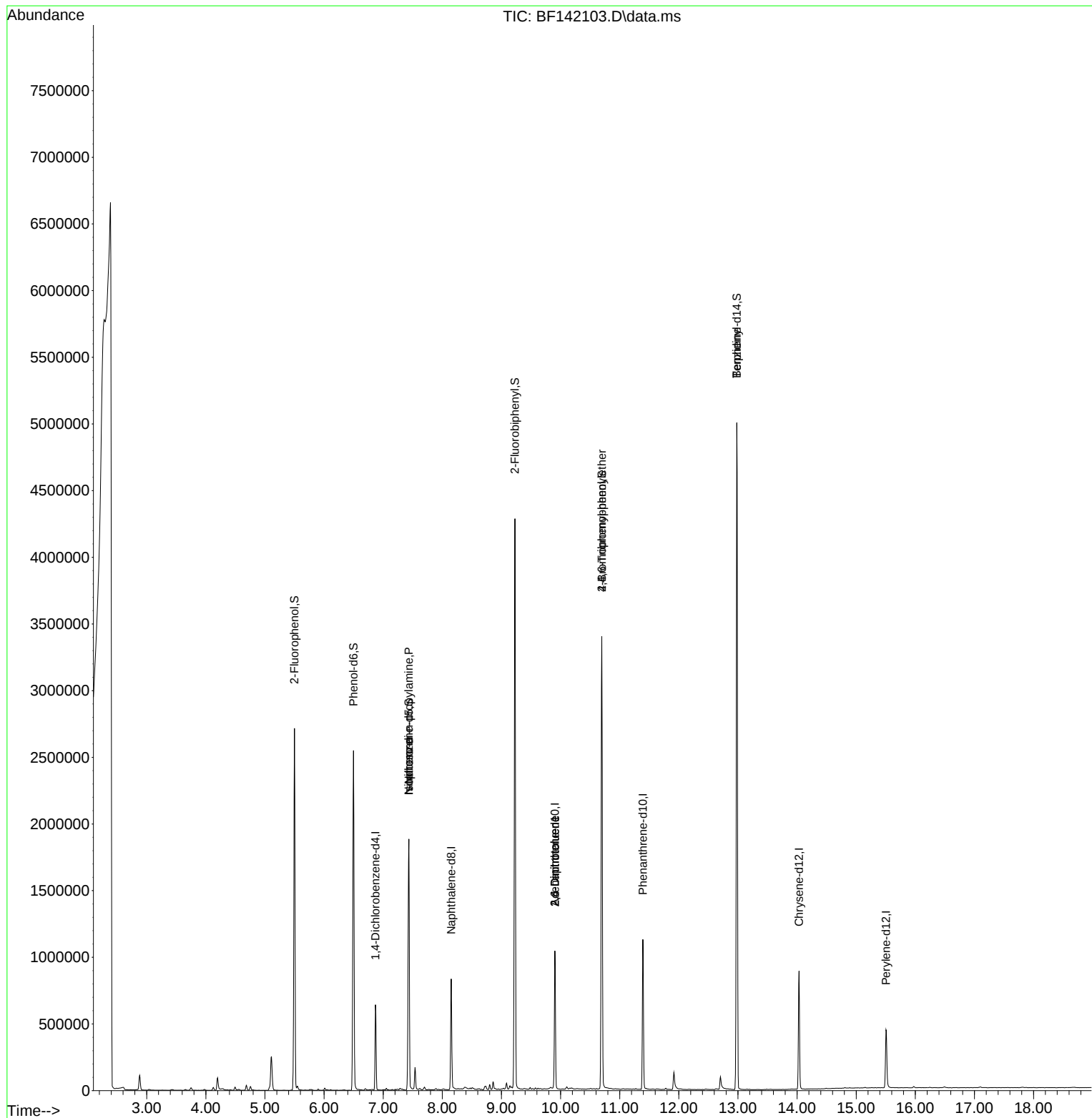
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137234	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	540330	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	308892	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	592454	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	454346	20.000	ng	0.00
86) Perylene-d12	15.504	264	283188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1085741	132.041	ng	0.00
7) Phenol-d6	6.498	99	1302736	124.433	ng	0.00
23) Nitrobenzene-d5	7.434	82	883843	92.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	687061	175.329	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1912712	94.171	ng	-0.01
79) Terphenyl-d14	12.980	244	2549596	82.965	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	122419	18.198	ng	# 77
25) Isophorone	7.434	82	870741	51.304	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	40847	9.070	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	40847	6.944	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	42421	5.701	ng	# 1
77) Benzidine	12.980	184	34874	5.502	ng	# 93

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

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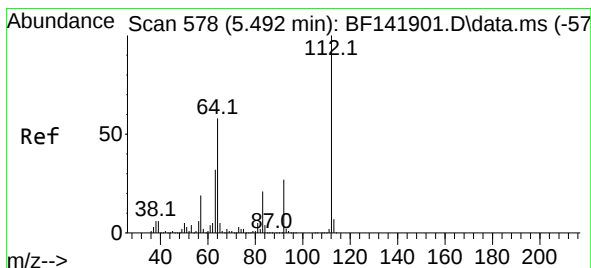
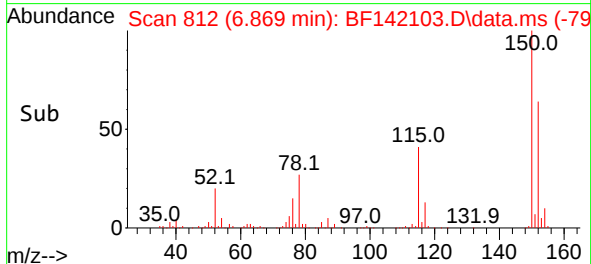
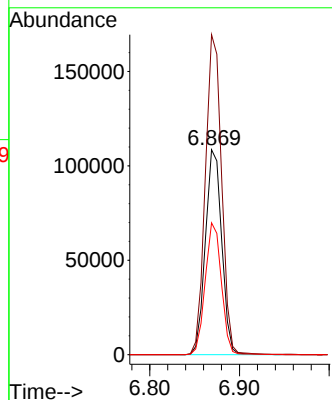
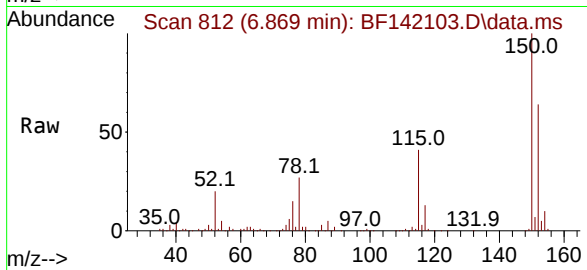




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

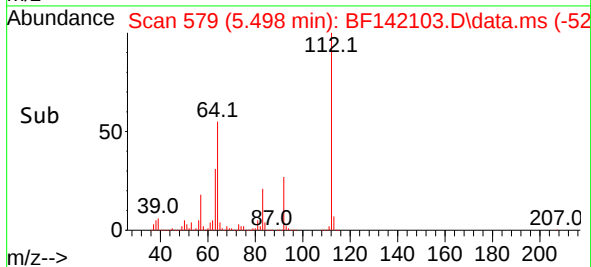
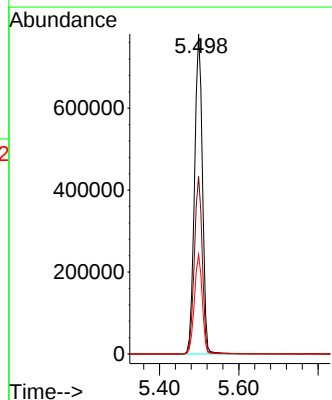
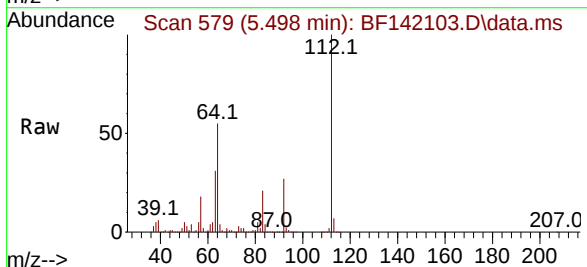
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:152 Resp: 137234
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 64.3 51.9 77.9



#5
2-Fluorophenol
Concen: 132.041 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

Tgt Ion:112 Resp: 1085741
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 31.0 25.4 38.2





#7
Phenol-d6
Concen: 124.433 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

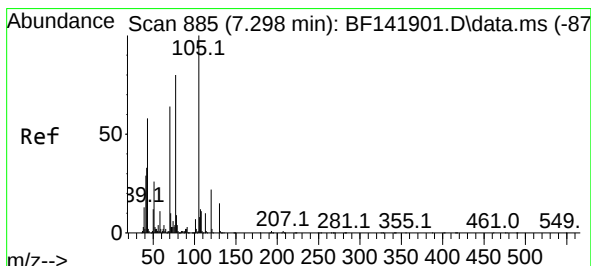
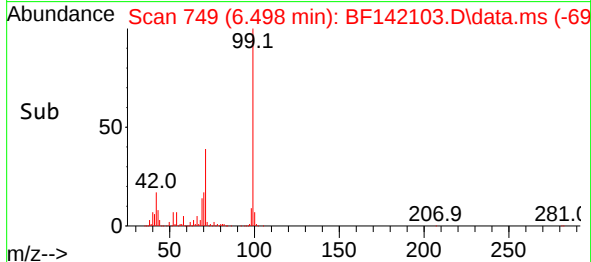
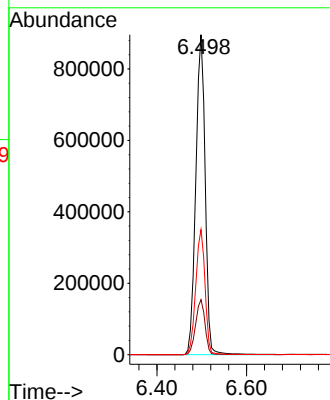
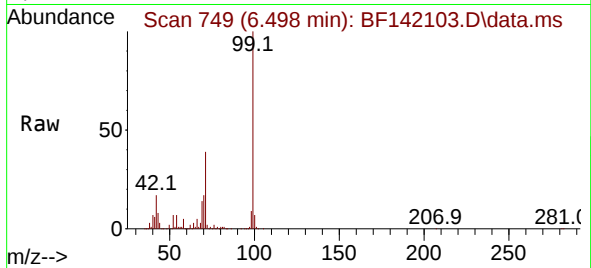
Instrument :

BNA_F

ClientSampleId :

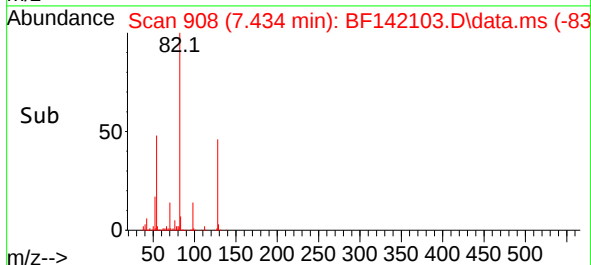
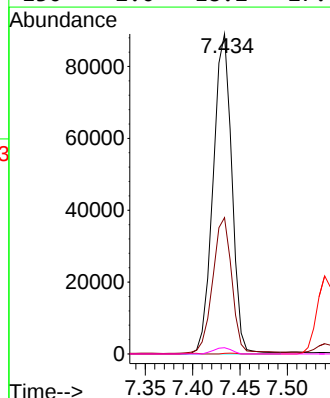
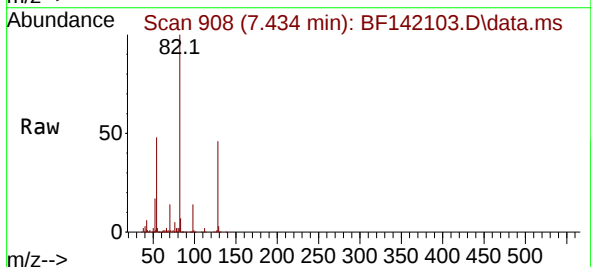
WC-5

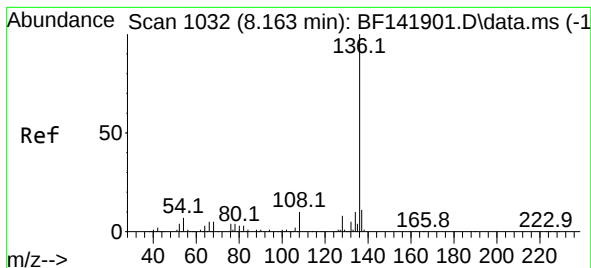
Tgt Ion: 99 Resp: 1302736
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 39.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.198 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

Tgt Ion: 70 Resp: 122419
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.2 8.2 12.2#
130 2.0 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142103.D

Acq: 26 Mar 2025 18:10

Instrument :

BNA_F

ClientSampleId :

WC-5

Tgt Ion:136 Resp: 540330

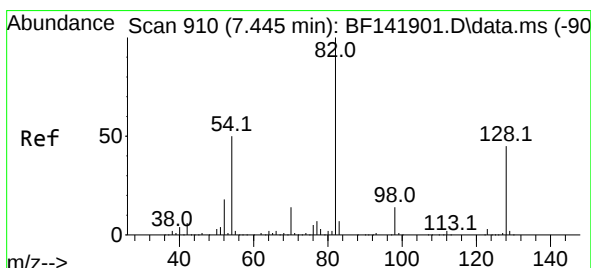
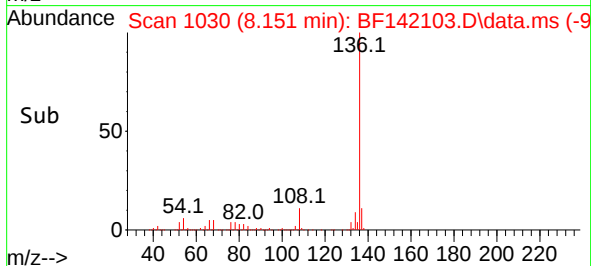
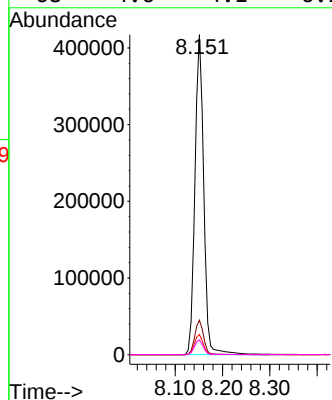
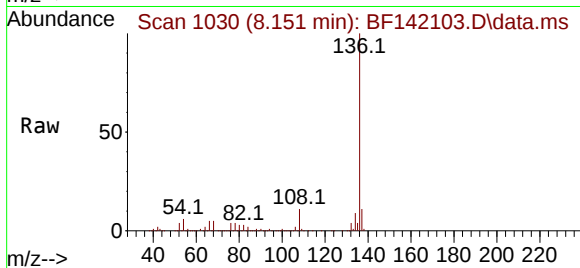
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.3 5.8 8.8

68 4.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 92.053 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142103.D

Acq: 26 Mar 2025 18:10

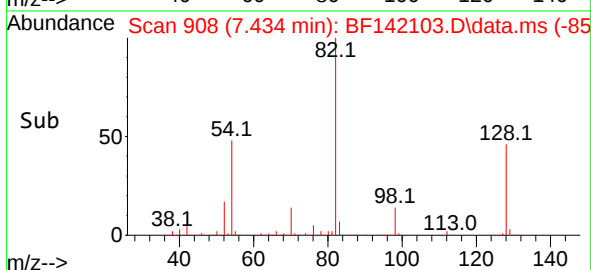
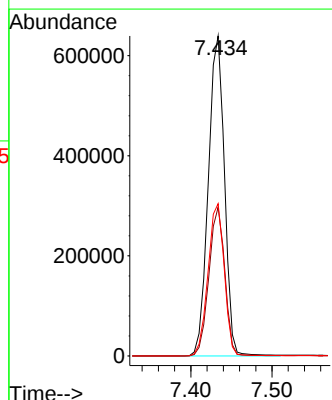
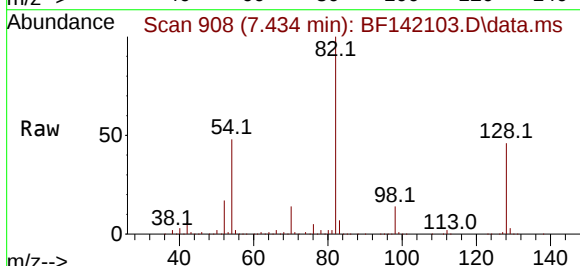
Tgt Ion: 82 Resp: 883843

Ion Ratio Lower Upper

82 100

128 46.4 36.0 54.0

54 47.6 39.6 59.4

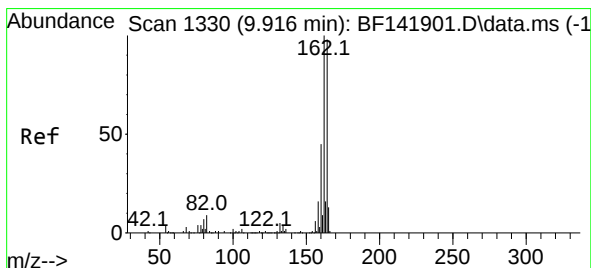
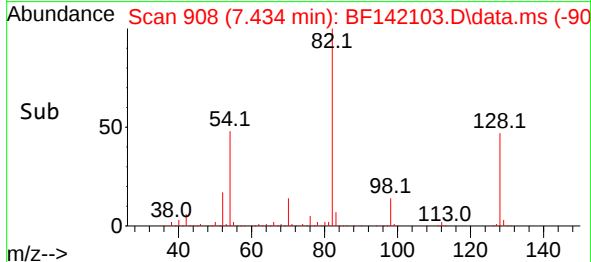
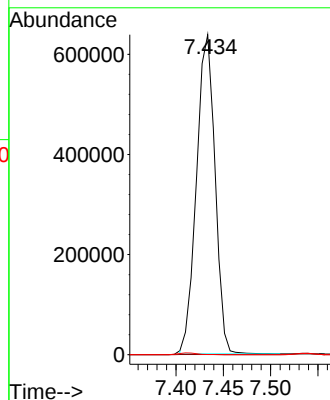
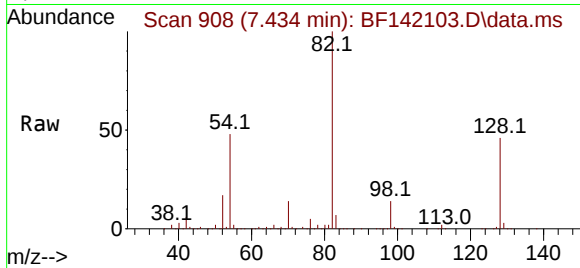




#25
Isophorone
Concen: 51.304 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

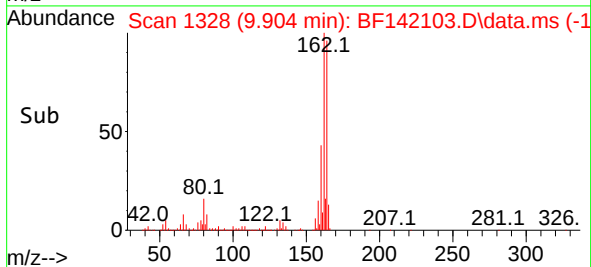
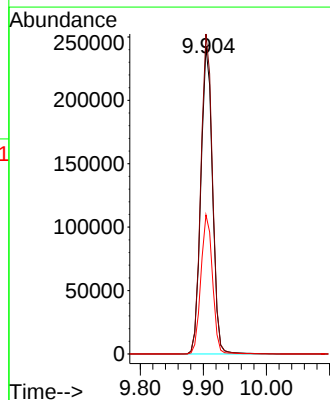
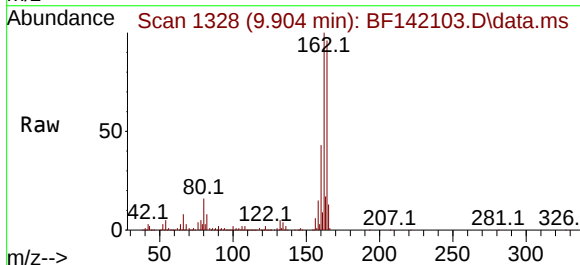
Instrument :
BNA_F
Client SampleId :
WC-5

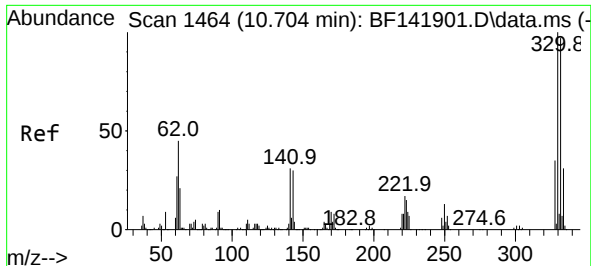
Tgt Ion: 82 Resp: 870741
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

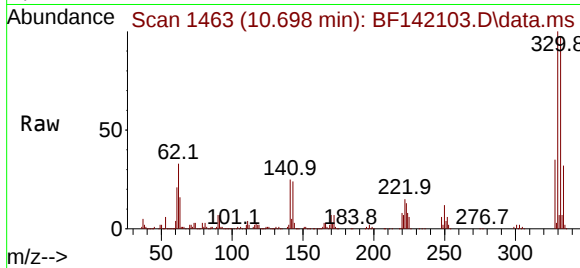
Tgt Ion:164 Resp: 308892
Ion Ratio Lower Upper
164 100
162 104.3 81.8 122.6
160 45.3 36.7 55.1



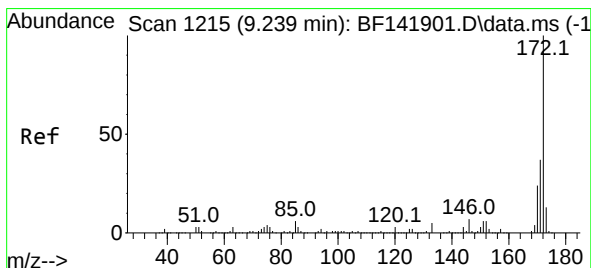
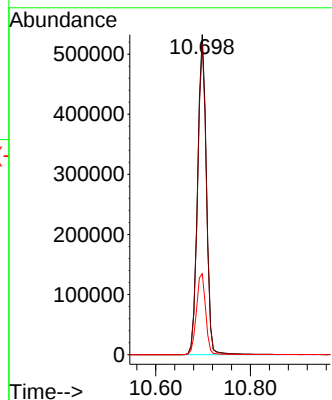
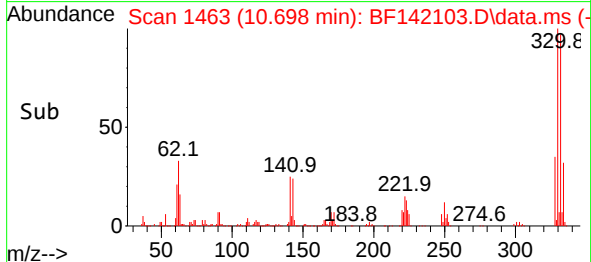


#42
 2,4,6-Tribromophenol
 Concen: 175.329 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142103.D
 Acq: 26 Mar 2025 18:10

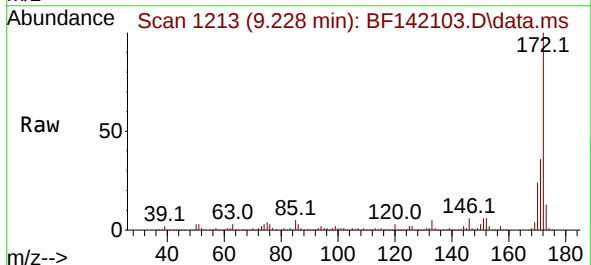
Instrument :
 BNA_F
 ClientSampleId :
 WC-5



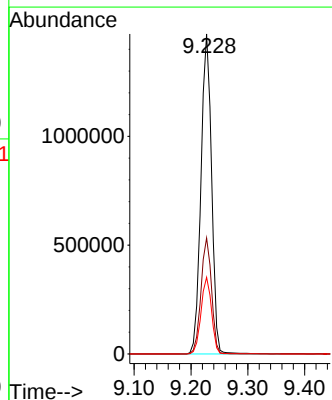
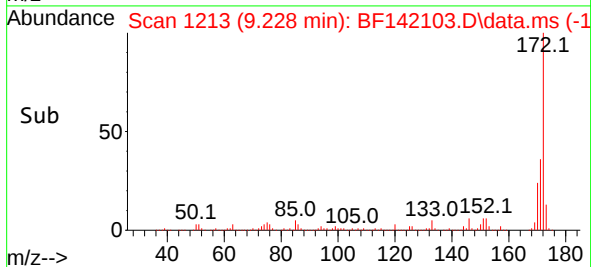
Tgt Ion:330 Resp: 687061
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.6 116.4
 141 26.6 24.7 37.1

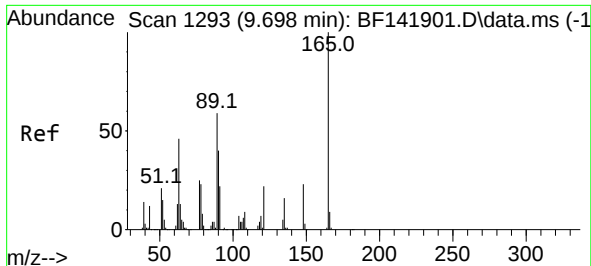


#45
 2-Fluorobiphenyl
 Concen: 94.171 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142103.D
 Acq: 26 Mar 2025 18:10



Tgt Ion:172 Resp: 1912712
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 9.070 ng

RT: 9.904 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142103.D

Acq: 26 Mar 2025 18:10

Instrument :

BNA_F

ClientSampleId :

WC-5

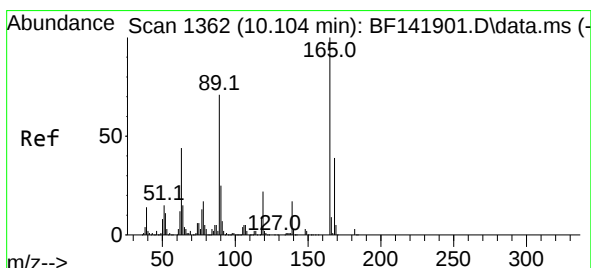
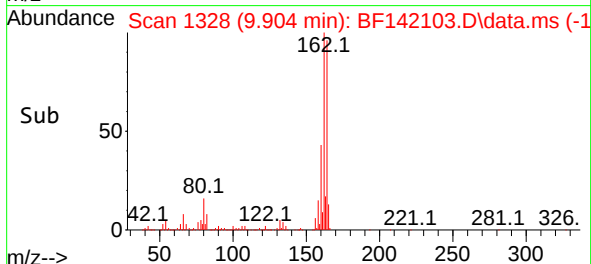
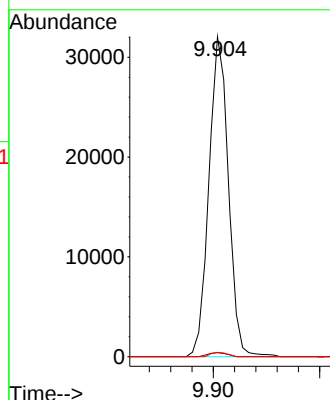
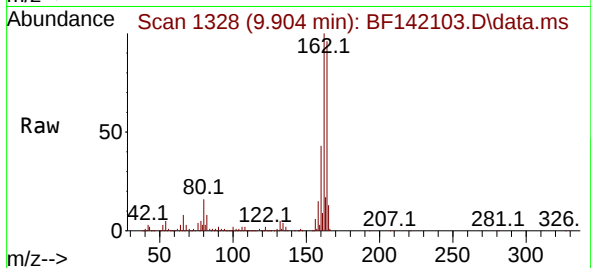
Tgt Ion:165 Resp: 40847

Ion Ratio Lower Upper

165 100

63 1.3 47.0 70.4#

89 1.4 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.944 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF142103.D

Acq: 26 Mar 2025 18:10

Tgt Ion:165 Resp: 40847

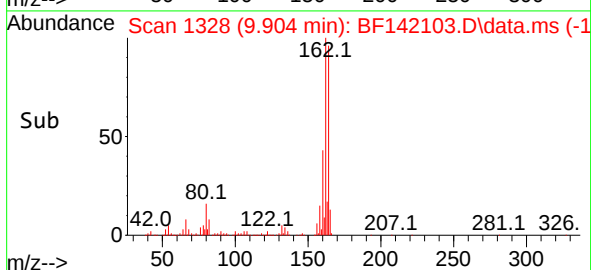
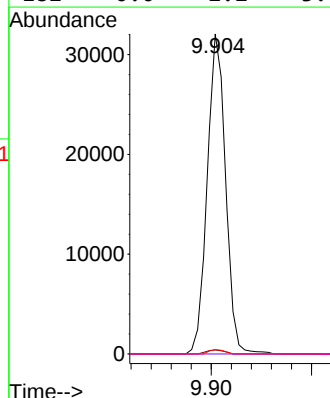
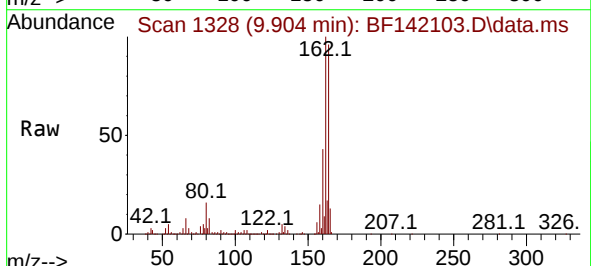
Ion Ratio Lower Upper

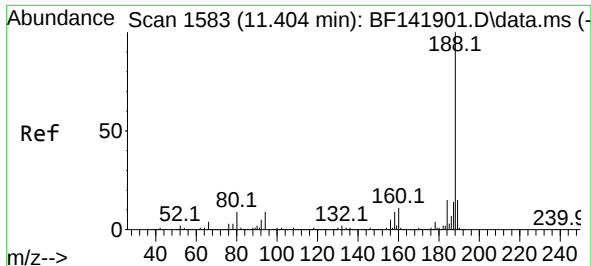
165 100

63 1.3 35.4 53.2#

89 1.4 56.6 84.8#

182 0.0 2.2 3.4#

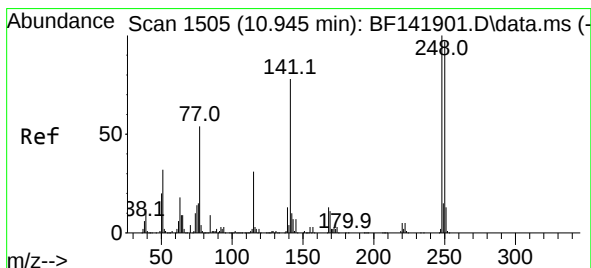
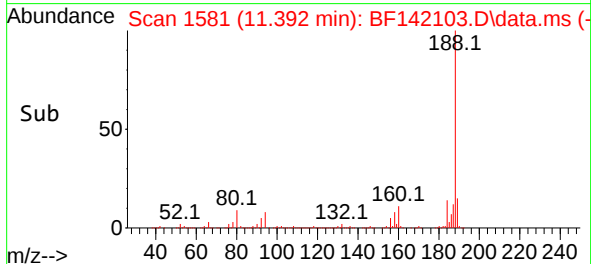
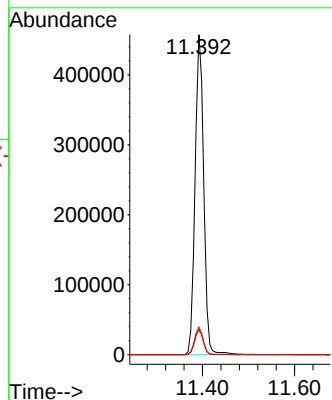
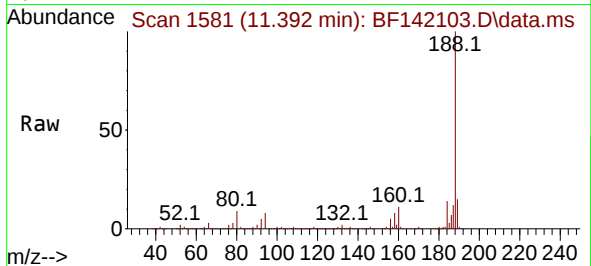




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

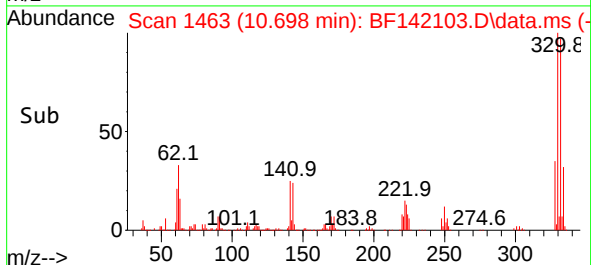
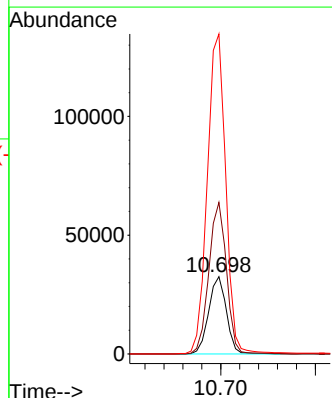
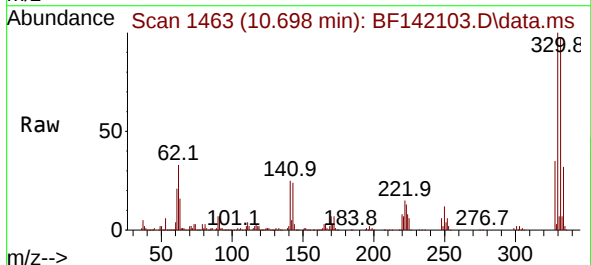
Instrument :
BNA_F
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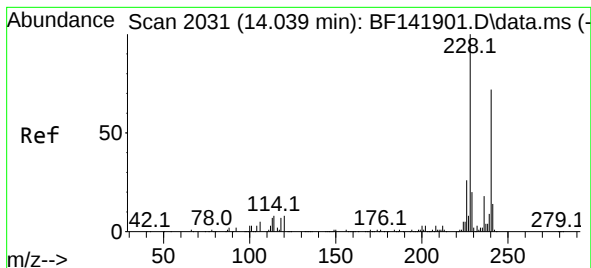
Tgt Ion:188 Resp: 592454
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.6 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.701 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142103.D
Acq: 26 Mar 2025 18:10

Tgt Ion:248 Resp: 42421
Ion Ratio Lower Upper
248 100
250 196.1 77.8 116.8#
141 414.1 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: BF142103.D

Acq: 26 Mar 2025 18:10

Instrument :

BNA_F

ClientSampleId :

WC-5

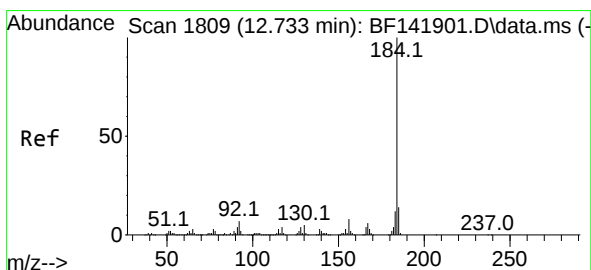
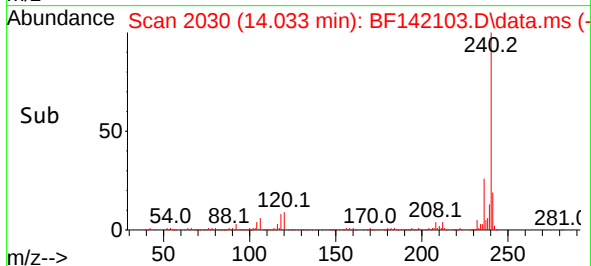
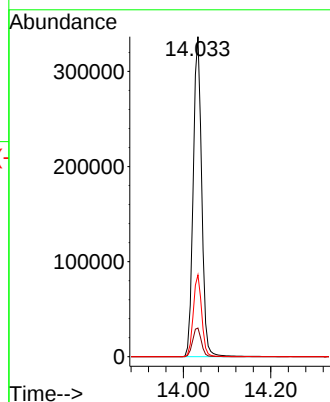
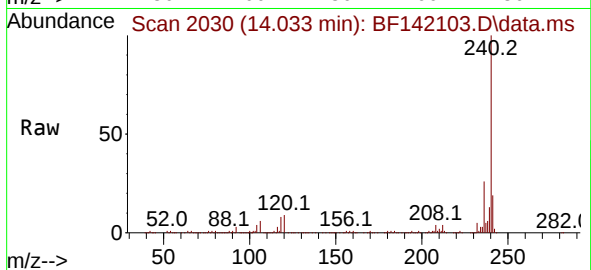
Tgt Ion:240 Resp: 454346

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.6 20.5 30.7



#77

Benidine

Concen: 5.502 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142103.D

Acq: 26 Mar 2025 18:10

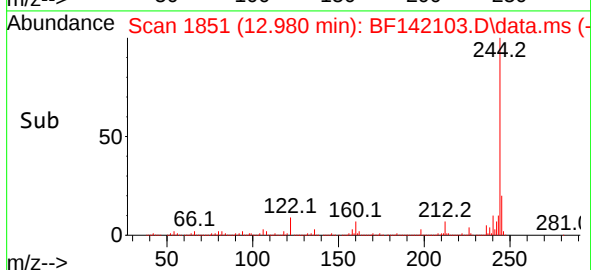
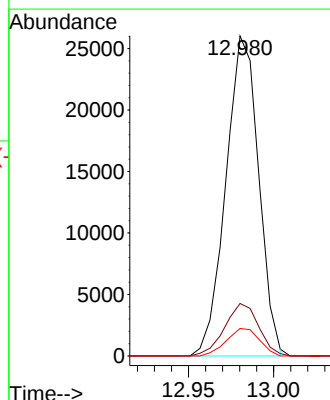
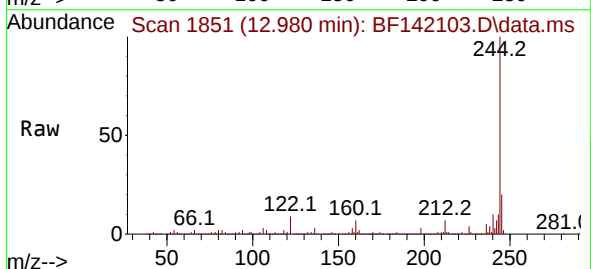
Tgt Ion:184 Resp: 34874

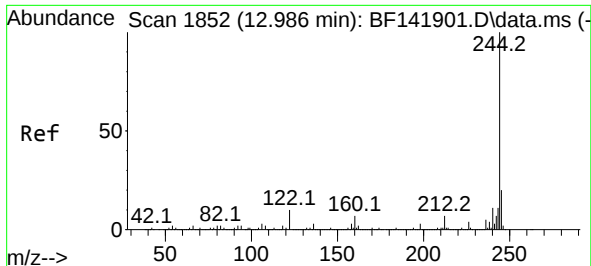
Ion Ratio Lower Upper

184 100

185 16.4 11.5 17.3

183 8.6 9.7 14.5#

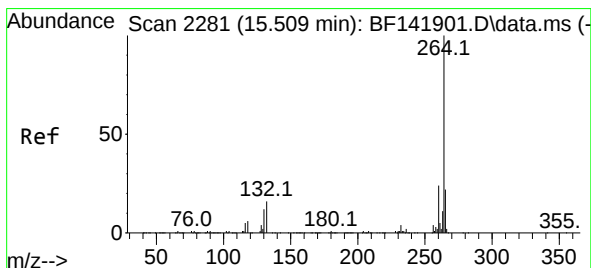
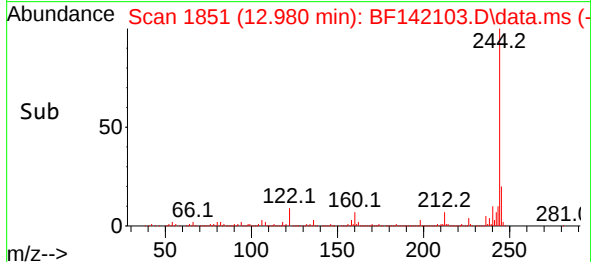
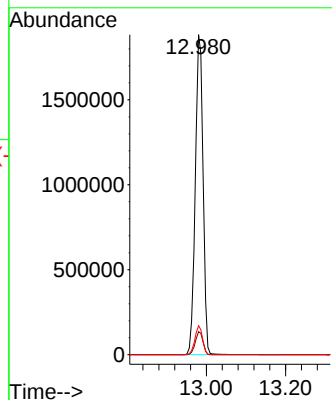
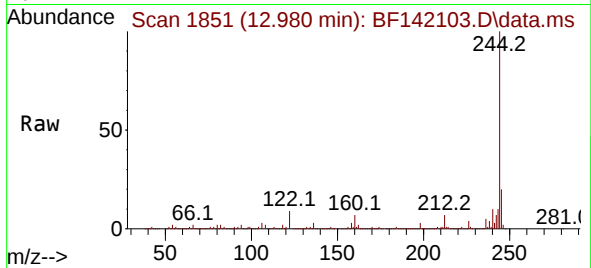




#79
 Terphenyl-d14
 Concen: 82.965 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142103.D
 Acq: 26 Mar 2025 18:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion:244 Resp: 2549596
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.1 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142103.D
 Acq: 26 Mar 2025 18:10

Tgt Ion:264 Resp: 283188
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.1 28.7
 265 21.6 17.5 26.3

