

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142100.D
 Acq On : 26 Mar 2025 16:41
 Operator : RC/JU
 Sample : Q1636-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Mar 26 17:01:49 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)

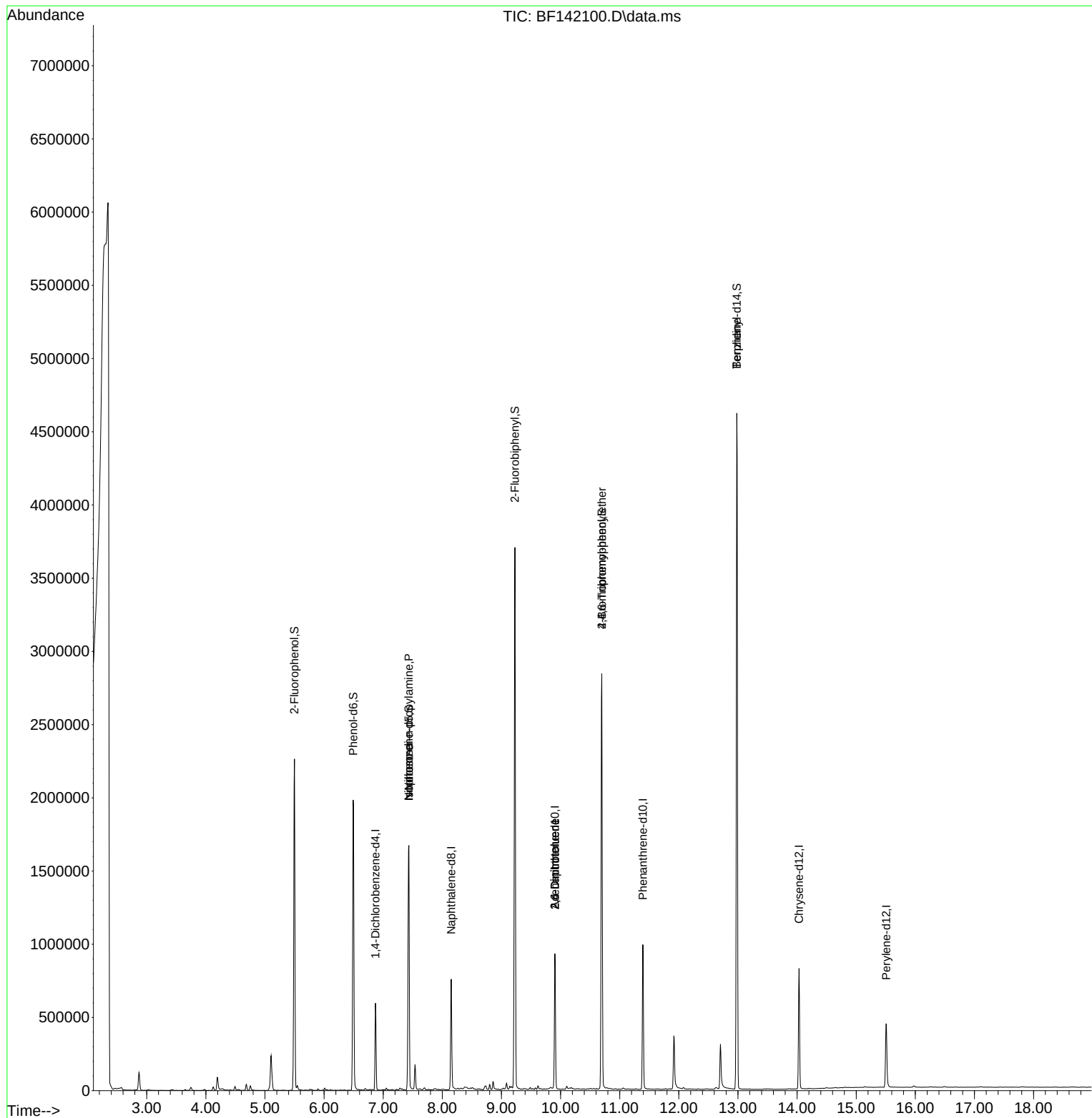
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126423	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	489478	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	280342	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	506881	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	413868	20.000	ng	0.00
86) Perylene-d12	15.509	264	287123	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	903634	119.292	ng	0.00
7) Phenol-d6	6.492	99	1011167	104.843	ng	-0.01
23) Nitrobenzene-d5	7.433	82	797491	91.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	565702	159.061	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1668565	90.517	ng	-0.01
79) Terphenyl-d14	12.980	244	2355883	84.159	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.433	70	111276	17.956	ng	# 75
25) Isophorone	7.433	82	785833	51.112	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	36298	8.880	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	36298	6.799	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	34605	5.436	ng	# 1
77) Benzidine	12.980	184	32905	5.699	ng	# 92

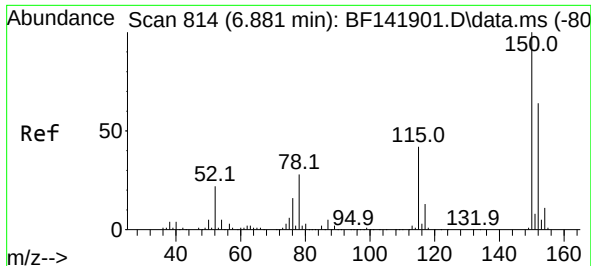
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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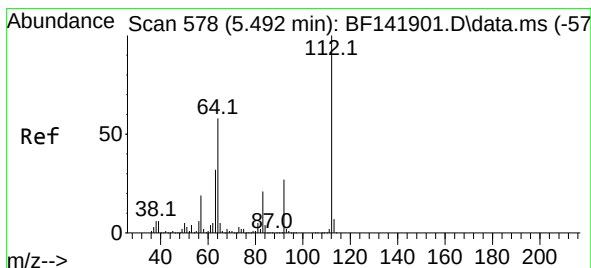
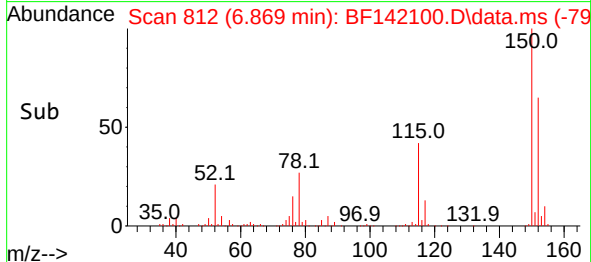
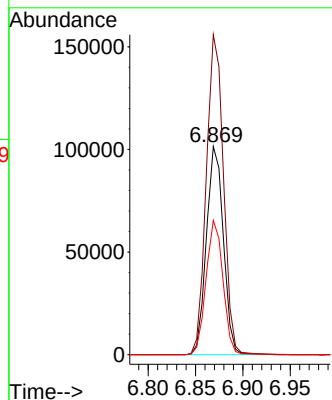
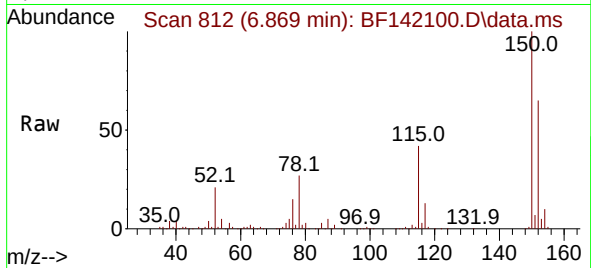




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

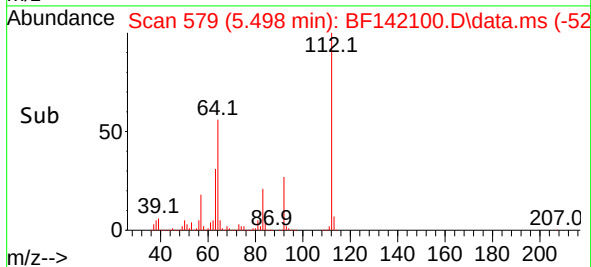
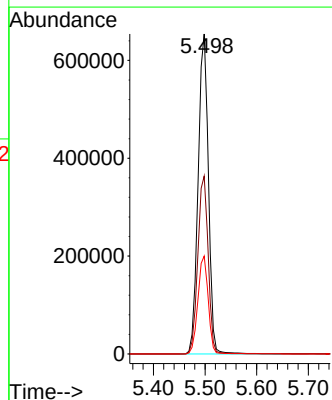
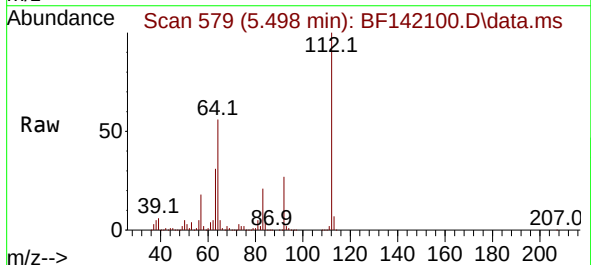
Instrument :
BNA_F
ClientSampleId :
WC-2

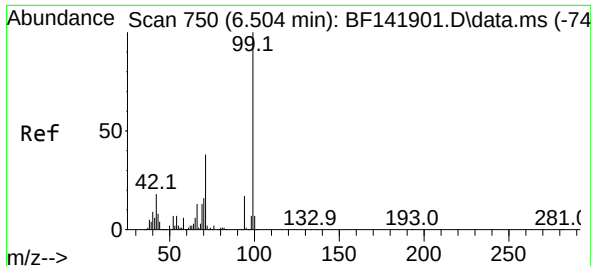
Tgt Ion:152 Resp: 126423
Ion Ratio Lower Upper
152 100
150 153.8 127.4 191.2
115 64.5 51.9 77.9



#5
2-Fluorophenol
Concen: 119.292 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion:112 Resp: 903634
Ion Ratio Lower Upper
112 100
64 55.6 46.5 69.7
63 30.6 25.4 38.2

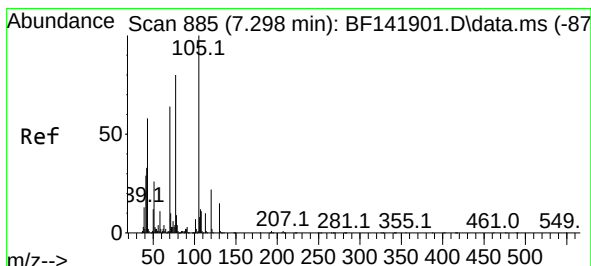
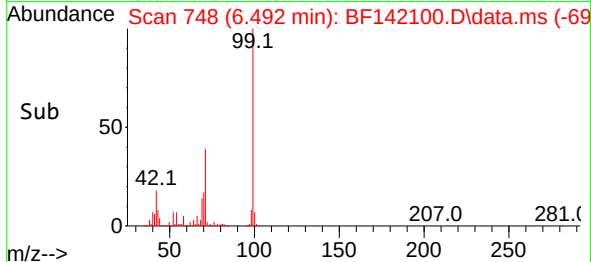
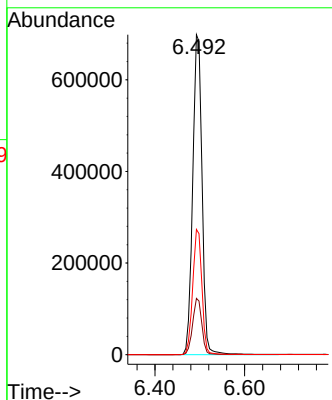
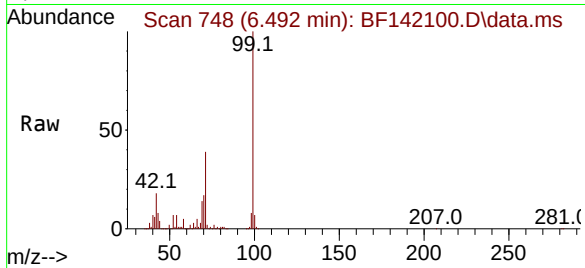




#7
Phenol-d6
Concen: 104.843 ng
RT: 6.492 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

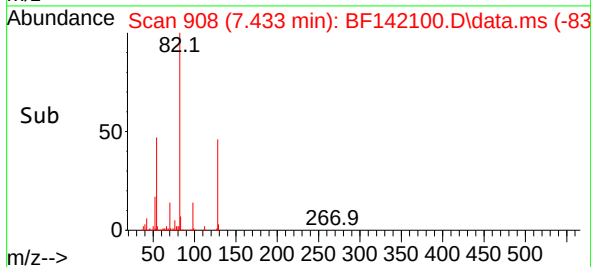
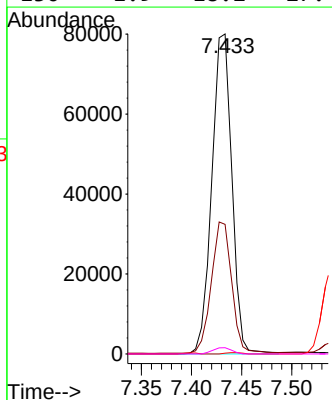
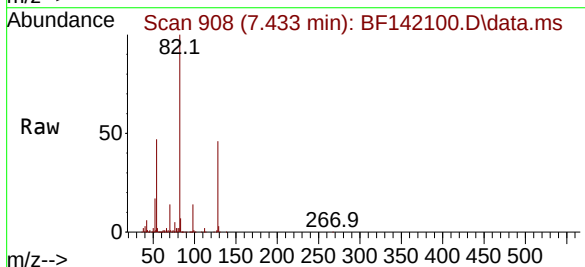
Instrument :
BNA_F
ClientSampleId :
WC-2

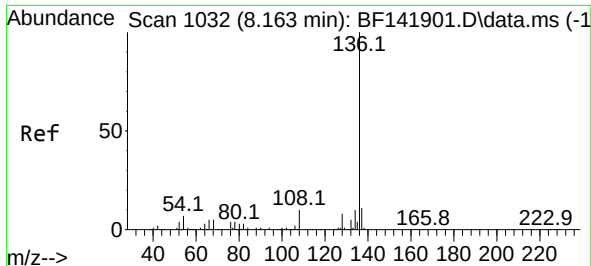
Tgt Ion: 99 Resp: 1011167
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 39.2 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.956 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion: 70 Resp: 111276
Ion Ratio Lower Upper
70 100
42 40.5 41.4 62.0#
101 0.3 8.2 12.2#
130 1.9 18.2 27.4#



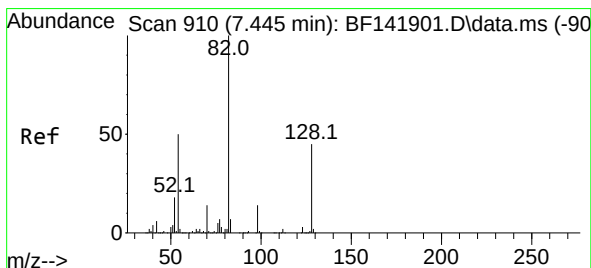
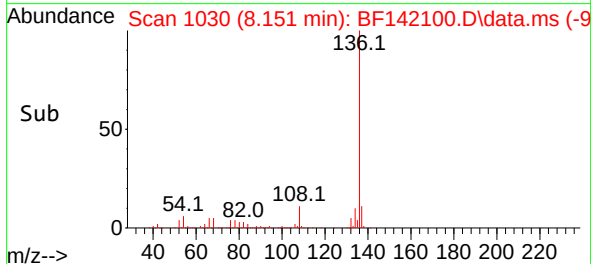
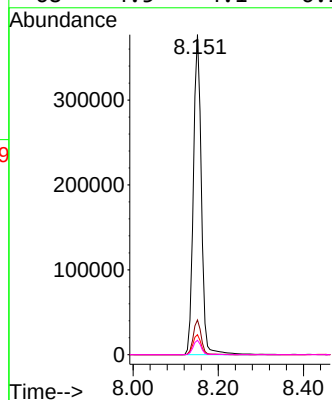
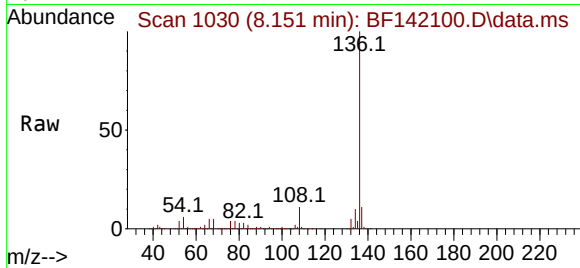


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 489478

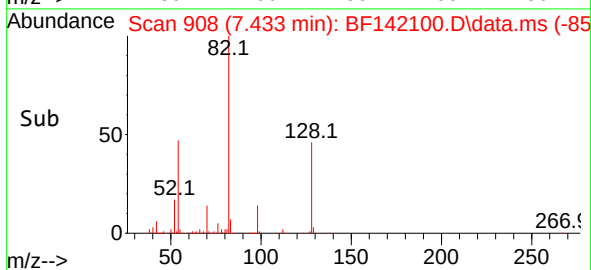
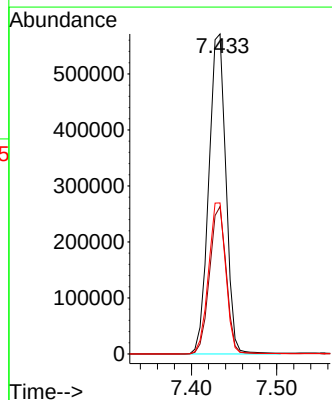
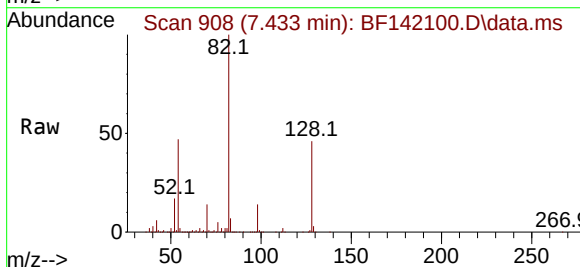
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.3	5.8	8.8
68	4.5	4.1	6.1

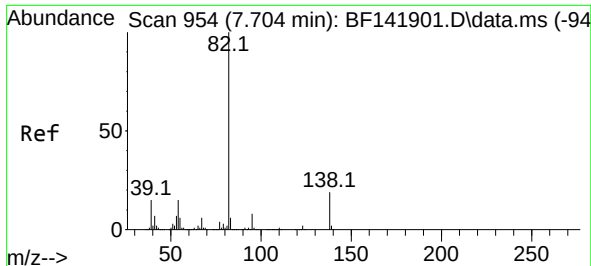


#23
Nitrobenzene-d5
Concen: 91.689 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion: 82 Resp: 797491

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.0	54.0
54	47.2	39.6	59.4

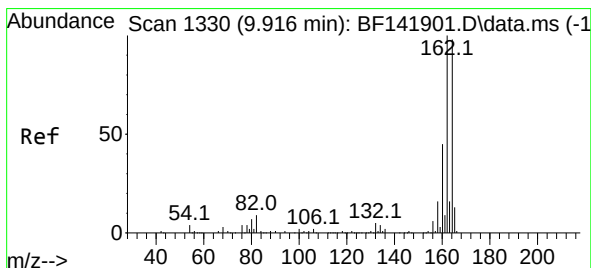
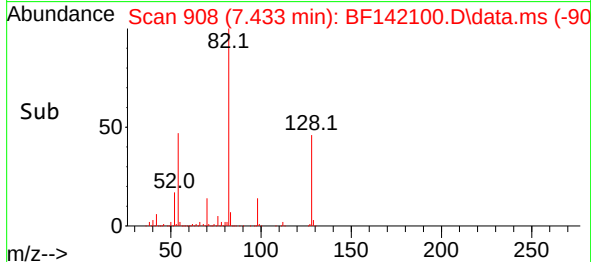
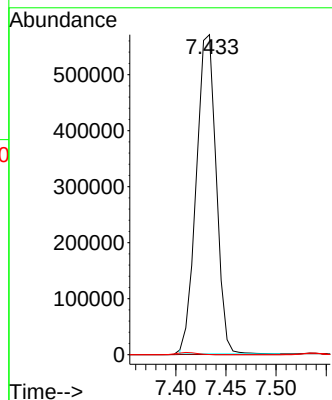
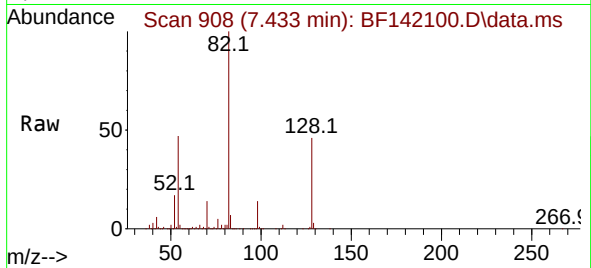




#25
Isophorone
Concen: 51.112 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

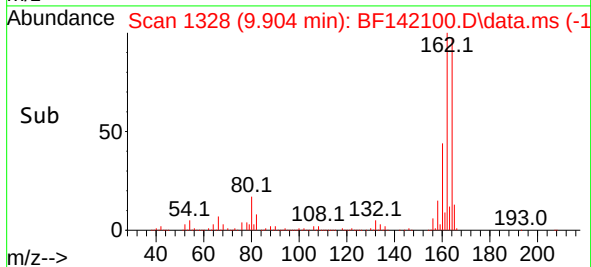
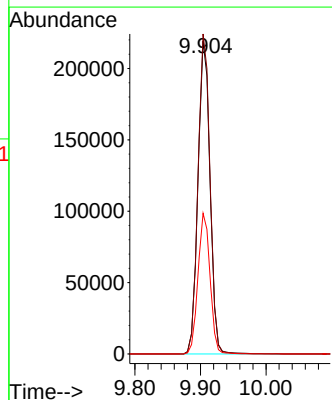
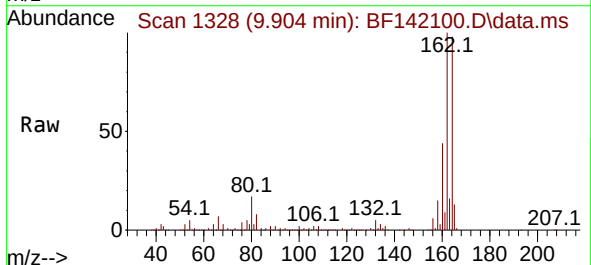
Instrument :
BNA_F
ClientSampleId :
WC-2

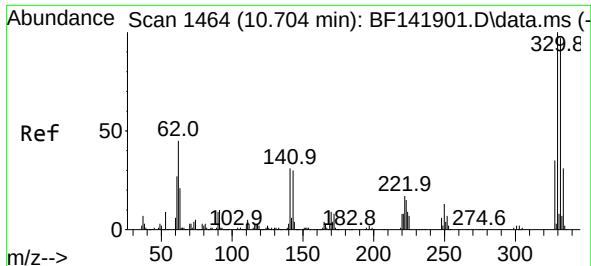
Tgt Ion: 82 Resp: 785833
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion: 164 Resp: 280342
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.0 36.7 55.1

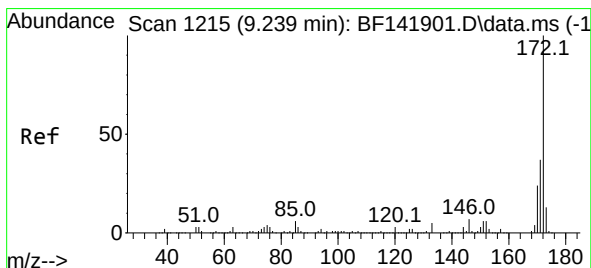
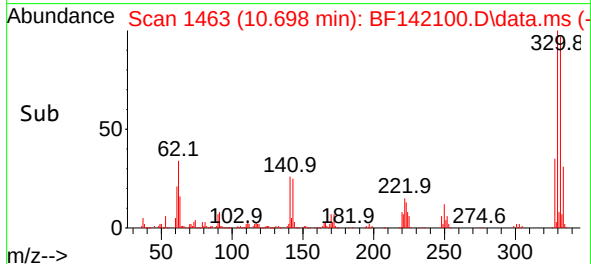
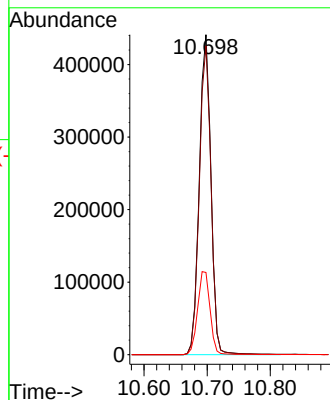
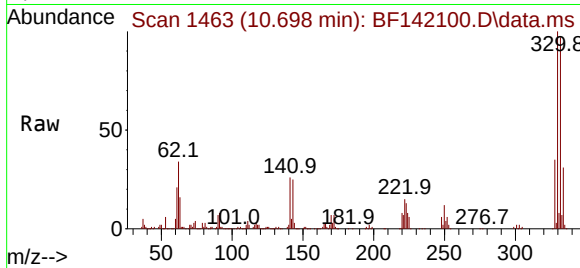




#42
2,4,6-Tribromophenol
Concen: 159.061 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

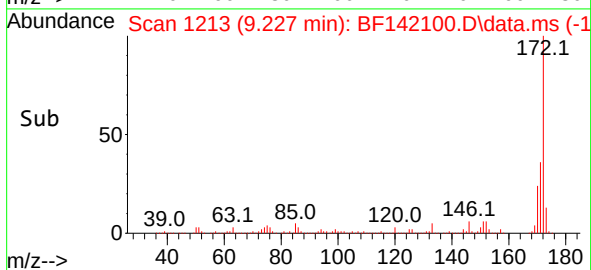
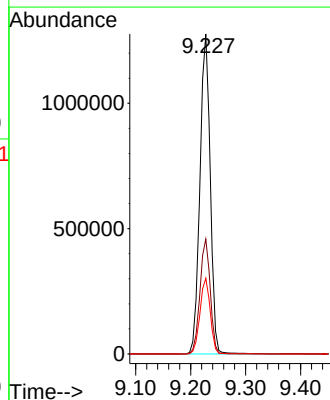
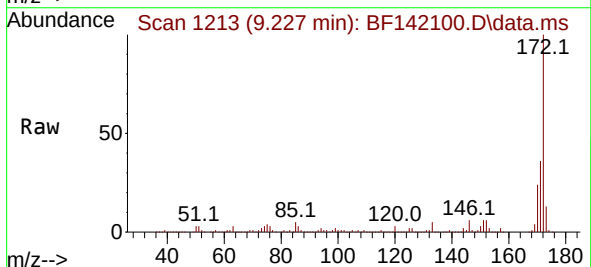
Instrument :
BNA_F
ClientSampleId :
WC-2

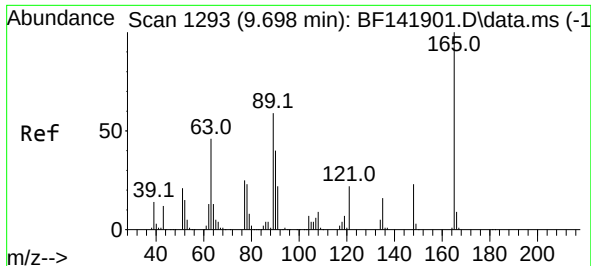
Tgt Ion:330 Resp: 565702
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 27.8 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 90.517 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion:172 Resp: 1668565
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.7 19.4 29.0

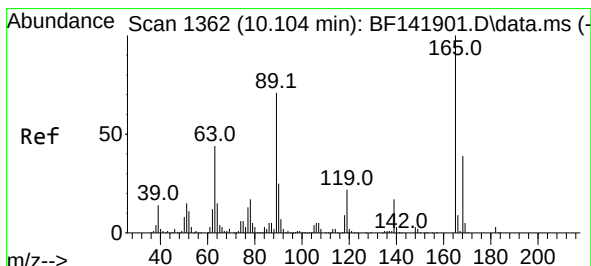
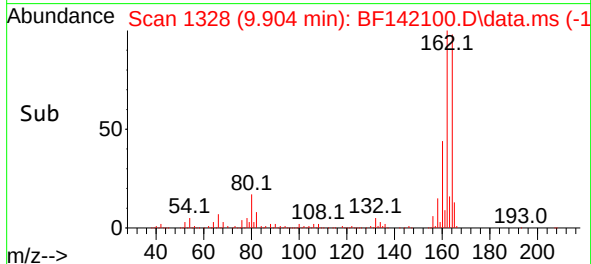
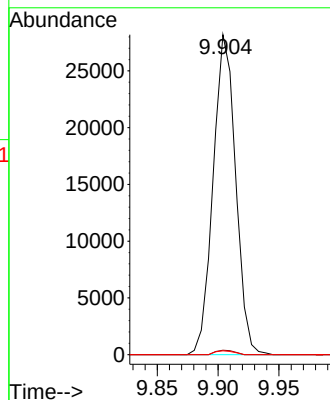
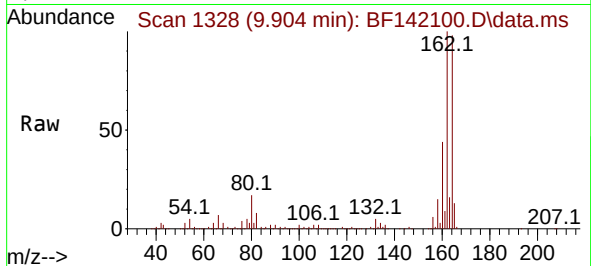




#51
2,6-Dinitrotoluene
Concen: 8.880 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

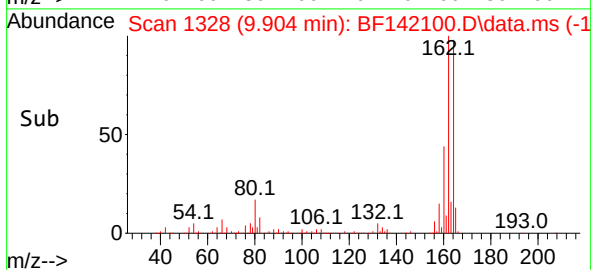
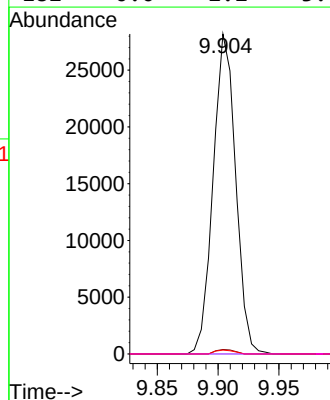
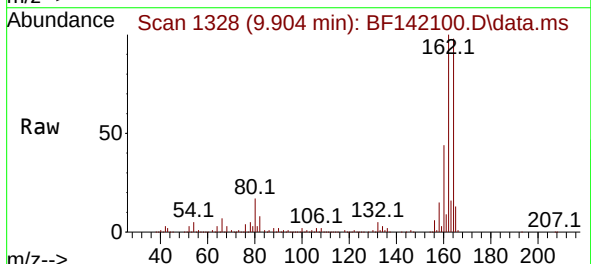
Instrument :
BNA_F
ClientSampleId :
WC-2

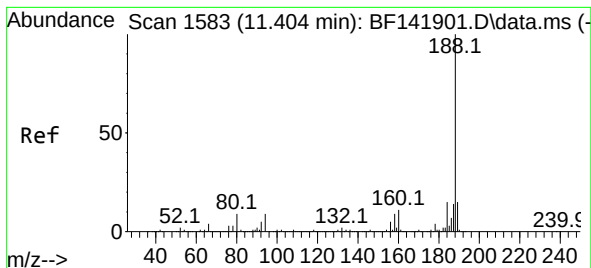
Tgt Ion:165 Resp: 36298
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.799 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion:165 Resp: 36298
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 1.2 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: BF142100.D

Acq: 26 Mar 2025 16:41

Instrument :

BNA_F

ClientSampleId :

WC-2

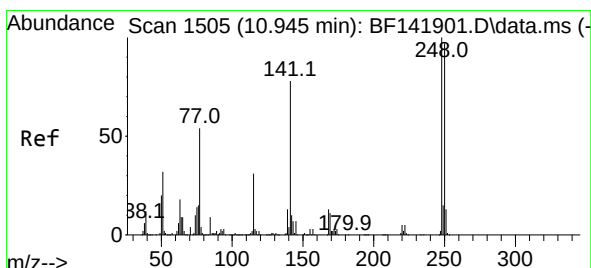
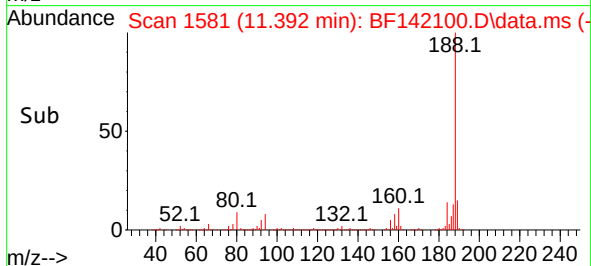
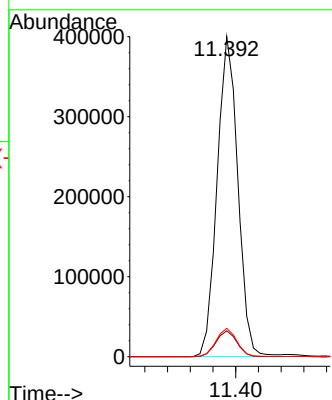
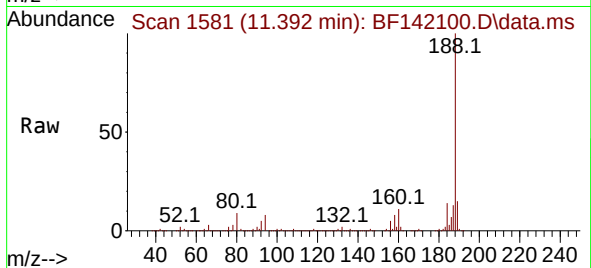
Tgt Ion:188 Resp: 506881

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.8 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.436 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142100.D

Acq: 26 Mar 2025 16:41

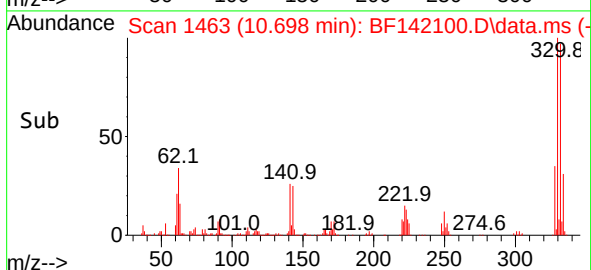
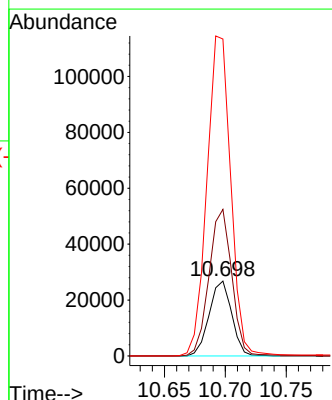
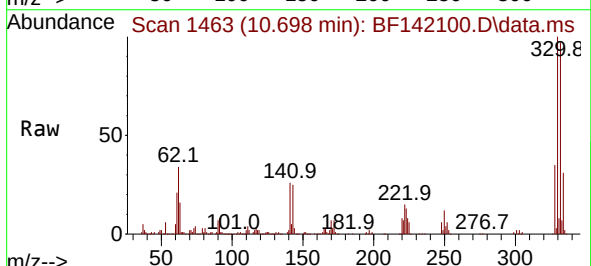
Tgt Ion:248 Resp: 34605

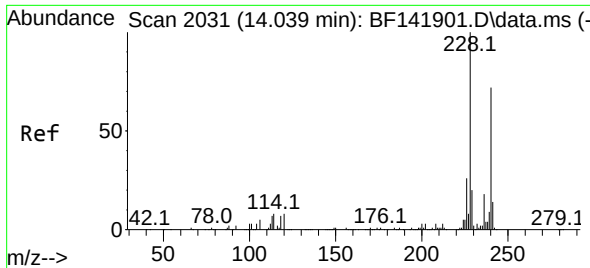
Ion Ratio Lower Upper

248 100

250 195.9 77.8 116.8#

141 423.6 62.6 93.8#

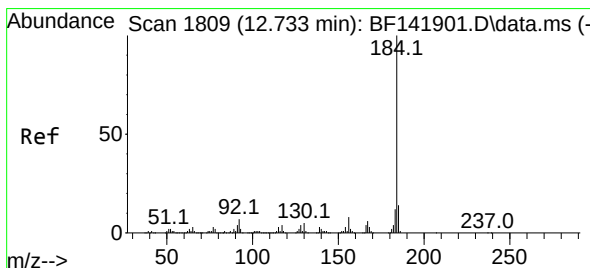
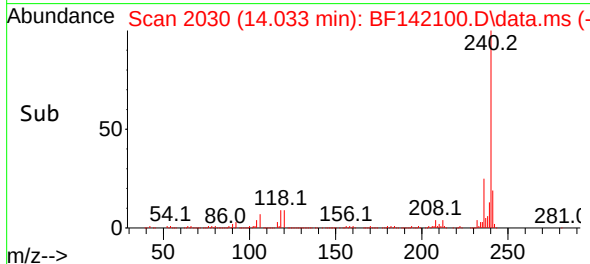
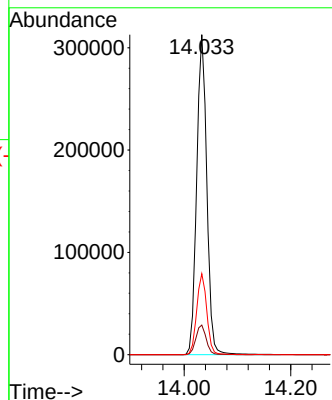
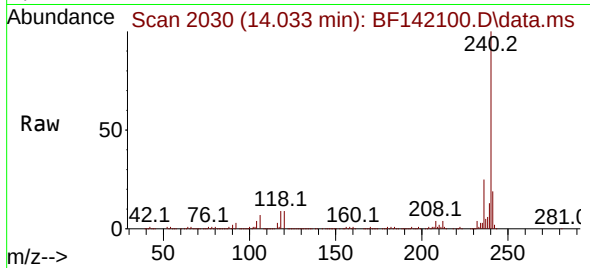




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

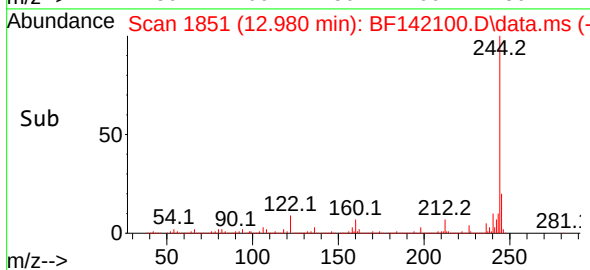
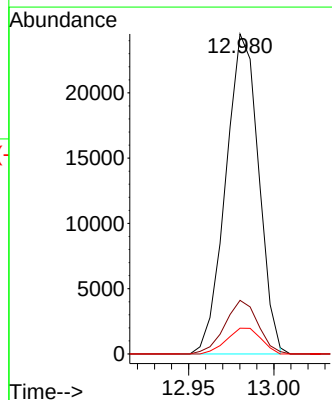
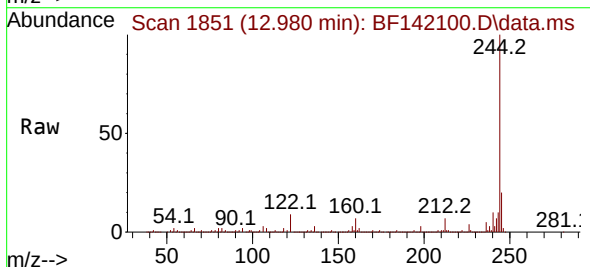
Instrument :
BNA_F
ClientSampleId :
WC-2

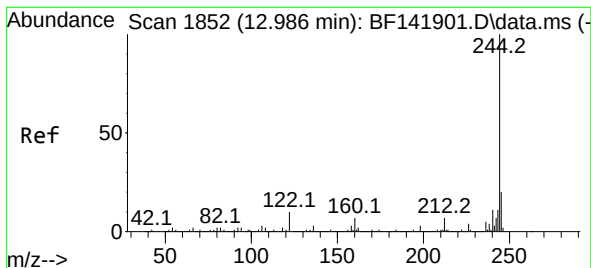
Tgt Ion:240 Resp: 413868
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.3 20.5 30.7



#77
Benzidine
Concen: 5.699 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142100.D
Acq: 26 Mar 2025 16:41

Tgt Ion:184 Resp: 32905
Ion Ratio Lower Upper
184 100
185 16.8 11.5 17.3
183 8.1 9.7 14.5#





#79

Terphenyl-d14

Concen: 84.159 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142100.D

Acq: 26 Mar 2025 16:41

Instrument :

BNA_F

ClientSampleId :

WC-2

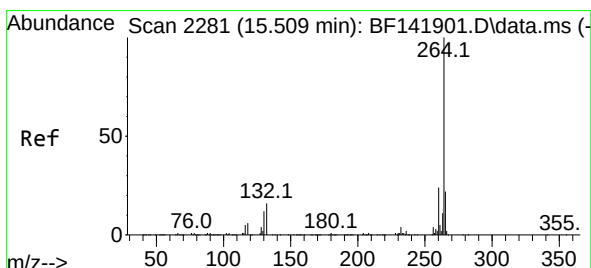
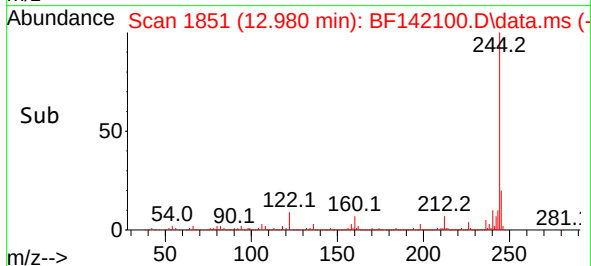
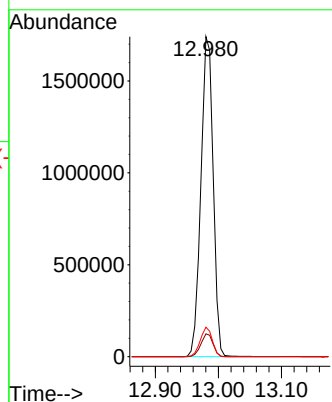
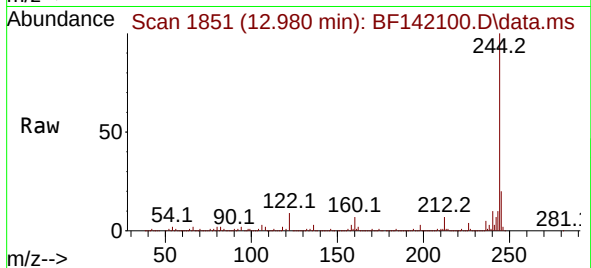
Tgt Ion:244 Resp: 2355883

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.2 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.000 min

Lab File: BF142100.D

Acq: 26 Mar 2025 16:41

Tgt Ion:264 Resp: 287123

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.3 17.5 26.3

