

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
 Data File : BF141937.D
 Acq On : 12 Mar 2025 14:26
 Operator : RC/JU
 Sample : Q1522-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-04

Quant Time: Mar 12 15:02:55 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)

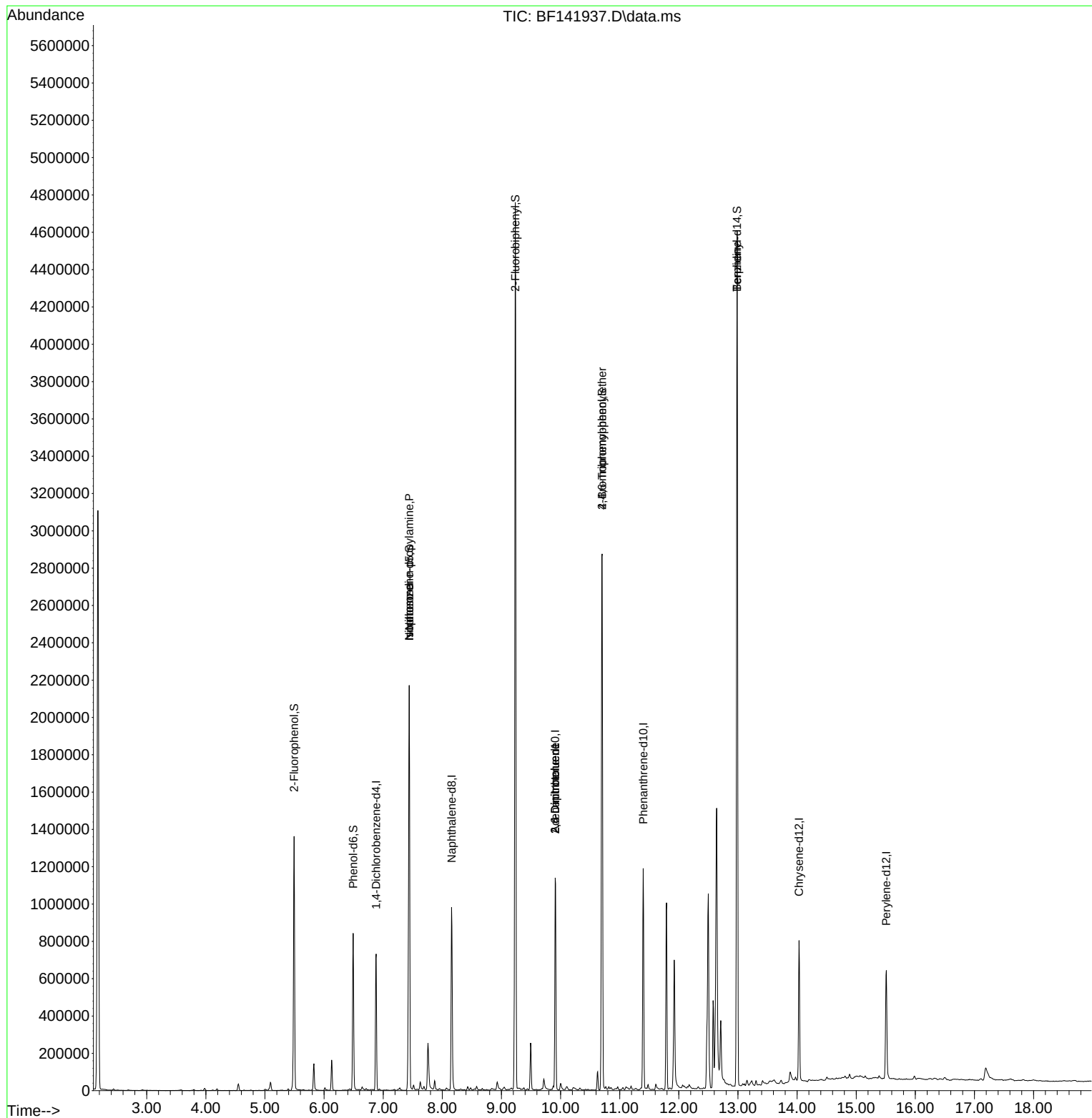
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	158297	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	621760	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	343931	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	590417	20.000	ng	0.00
76) Chrysene-d12	14.033	240	355669	20.000	ng	0.00
86) Perylene-d12	15.509	264	352171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	500135	52.730	ng	0.00
7) Phenol-d6	6.492	99	382245	31.653	ng	-0.01
23) Nitrobenzene-d5	7.439	82	1020410	92.358	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	552332	126.588	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2104841	93.073	ng	0.00
79) Terphenyl-d14	12.986	244	2305935	95.854	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	145886	18.801	ng	# 78
25) Isophorone	7.439	82	1010145	51.723	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	45284	9.030	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	45284	6.914	ng	# 24
67) 4-Bromophenyl-phenylether	10.704	248	35336	4.766	ng	# 1
77) Benzidine	12.986	184	31805	6.409	ng	# 90

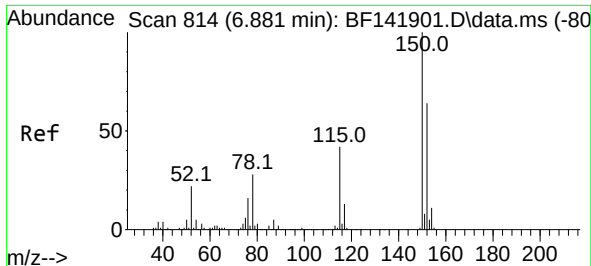
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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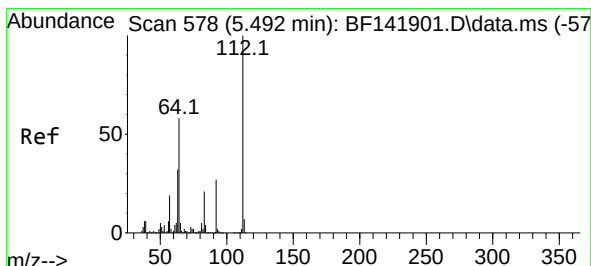
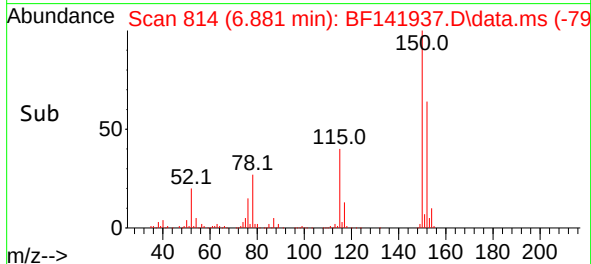
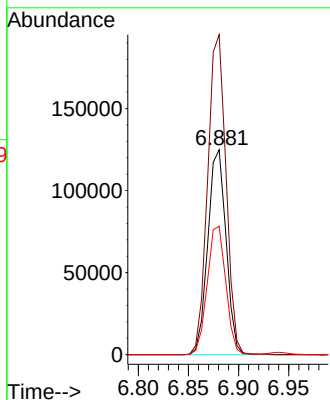
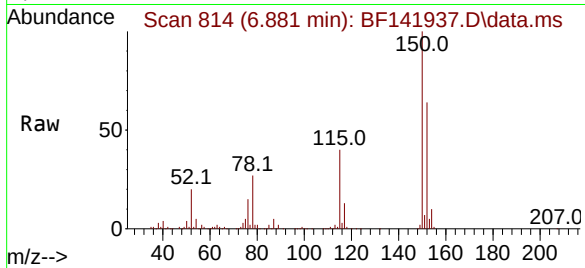




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF141937.D
 Acq: 12 Mar 2025 14:26

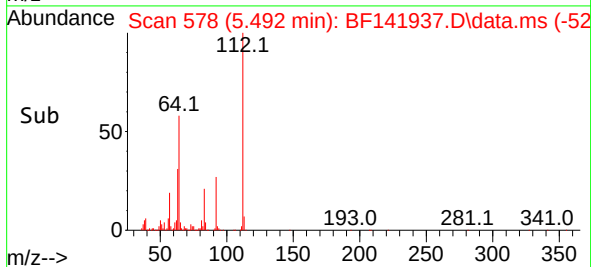
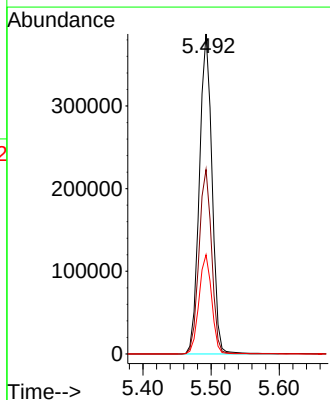
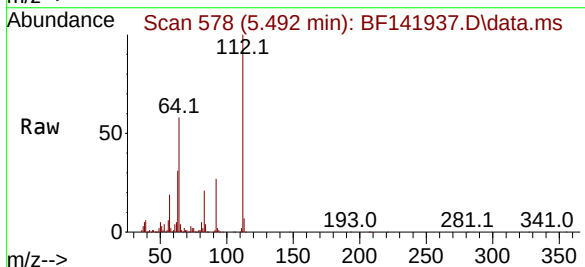
Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-04

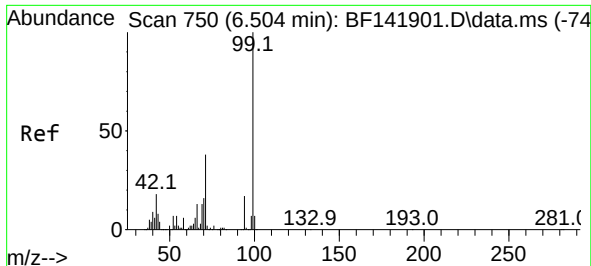
Tgt Ion:152 Resp: 158297
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.4 191.2
 115 62.7 51.9 77.9



#5
 2-Fluorophenol
 Concen: 52.730 ng
 RT: 5.492 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF141937.D
 Acq: 12 Mar 2025 14:26

Tgt Ion:112 Resp: 500135
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.5 69.7
 63 31.0 25.4 38.2

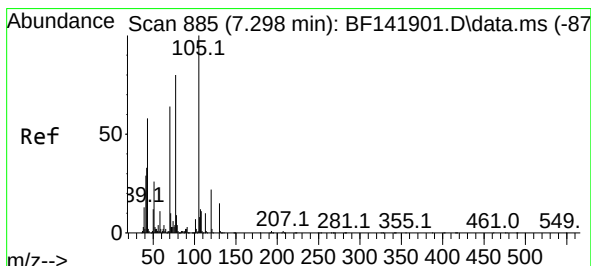
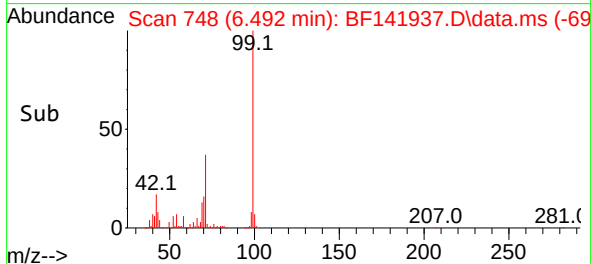
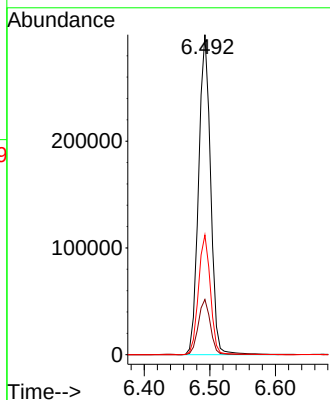
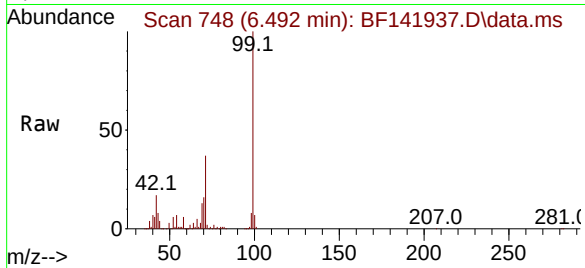




#7
Phenol-d6
Concen: 31.653 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

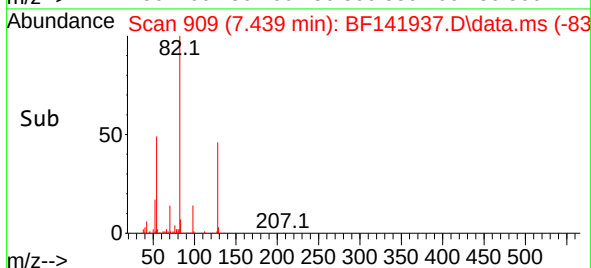
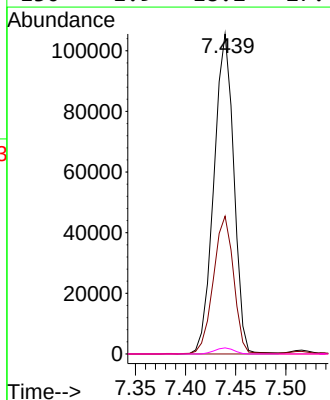
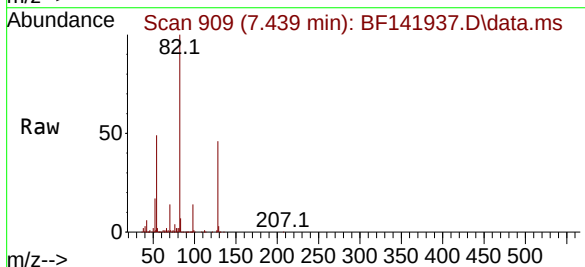
Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

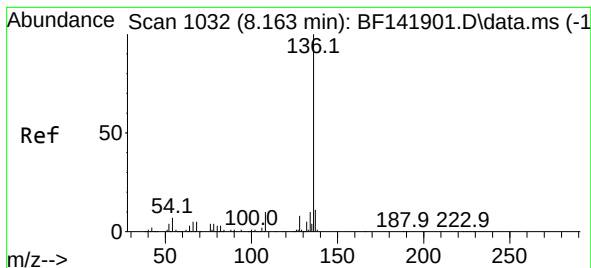
Tgt Ion: 99 Resp: 382245
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 37.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.801 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion: 70 Resp: 145886
Ion Ratio Lower Upper
70 100
42 43.1 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# 1

Delta R.T. -0.006 min

Lab File: BF141937.D

Acq: 12 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

TW-WTS-04

Tgt Ion:136 Resp: 621760

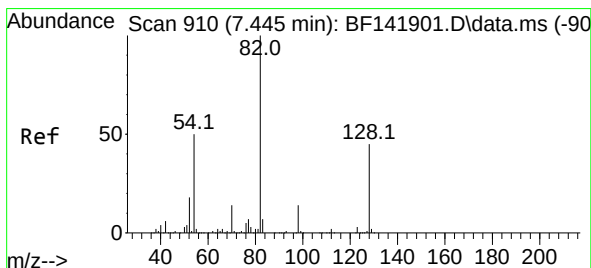
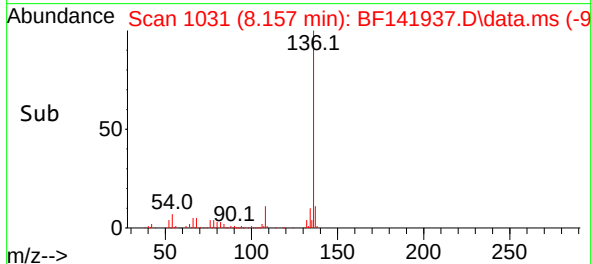
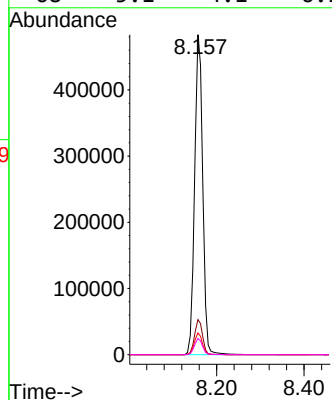
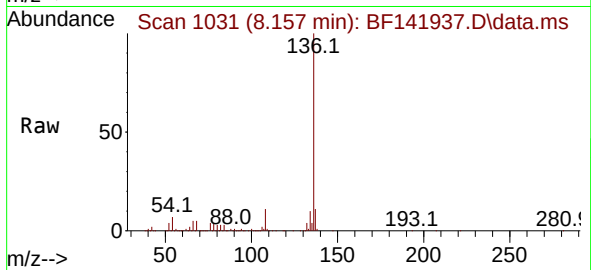
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.8 5.8 8.8

68 5.1 4.1 6.1



#23

Nitrobenzene-d5

Concen: 92.358 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141937.D

Acq: 12 Mar 2025 14:26

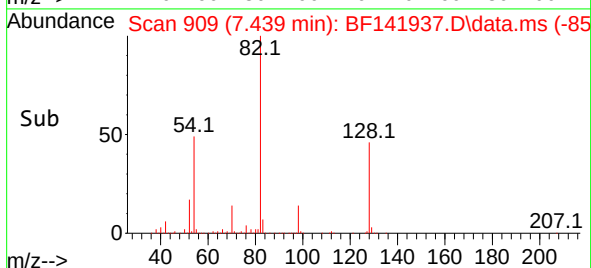
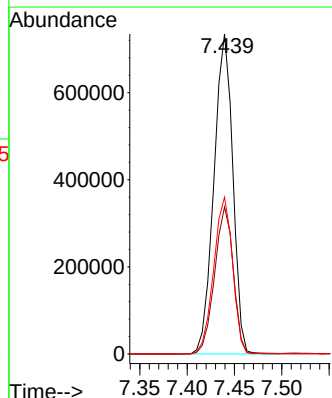
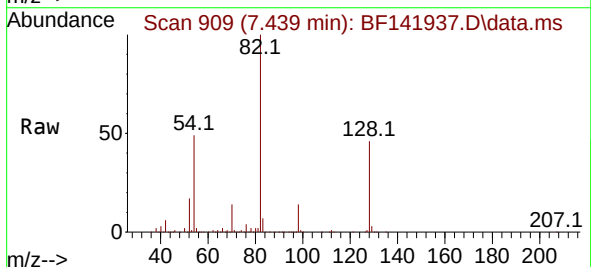
Tgt Ion: 82 Resp: 1020410

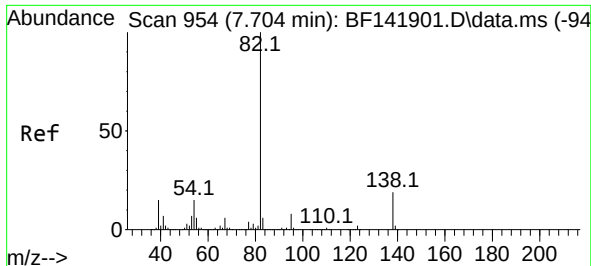
Ion Ratio Lower Upper

82 100

128 46.0 36.0 54.0

54 49.0 39.6 59.4

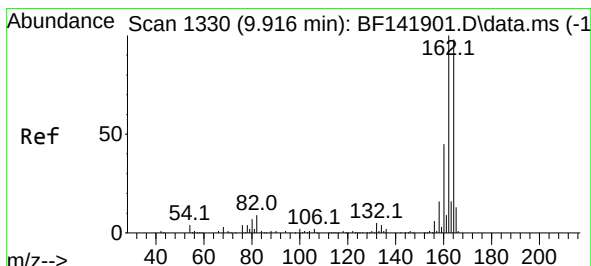
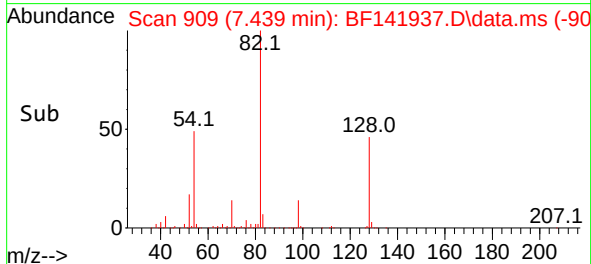
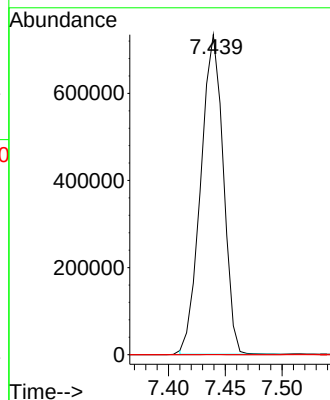
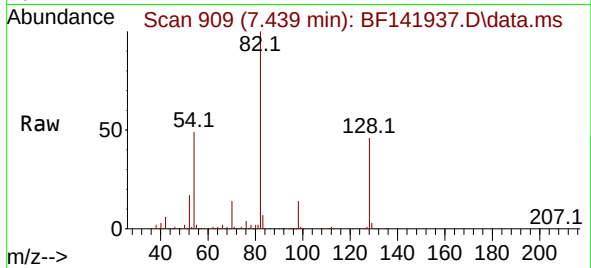




#25
Isophorone
Concen: 51.723 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

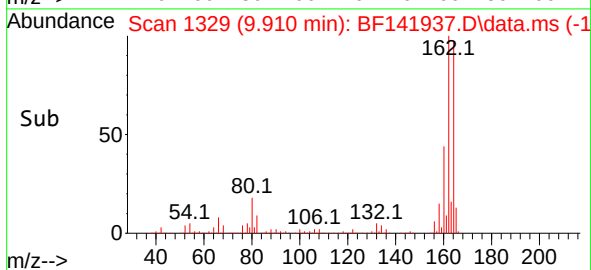
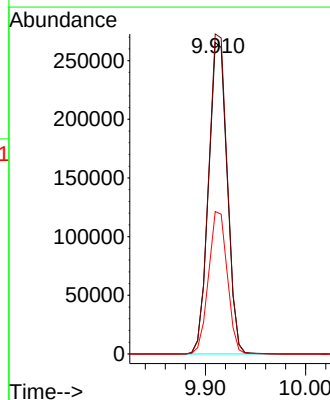
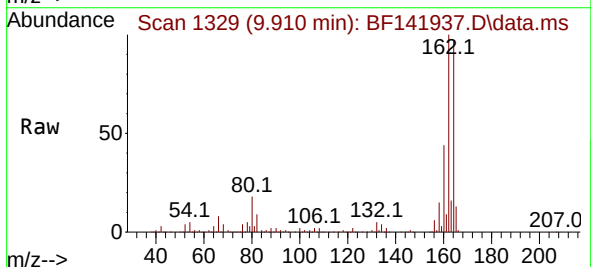
Instrument :
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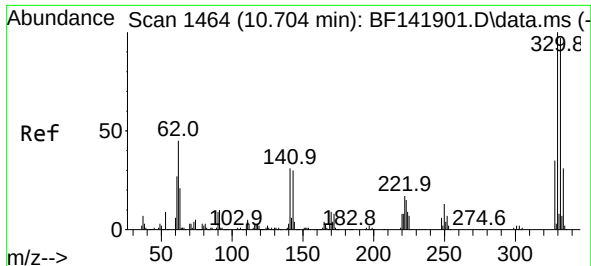
Tgt Ion: 82 Resp: 1010145
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:164 Resp: 343931
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 45.7 36.7 55.1

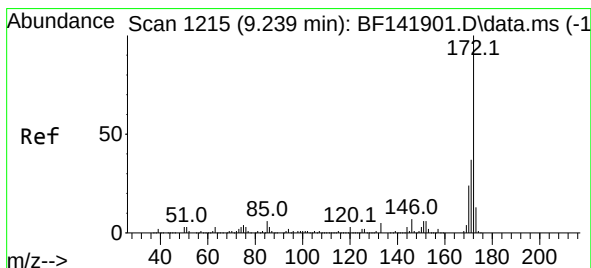
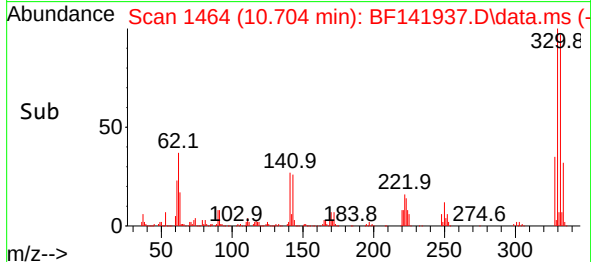
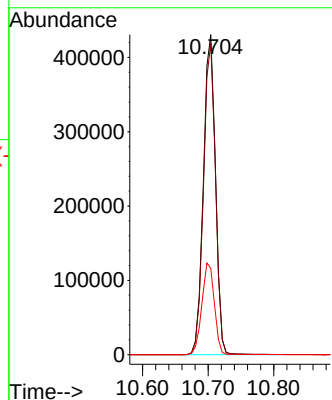
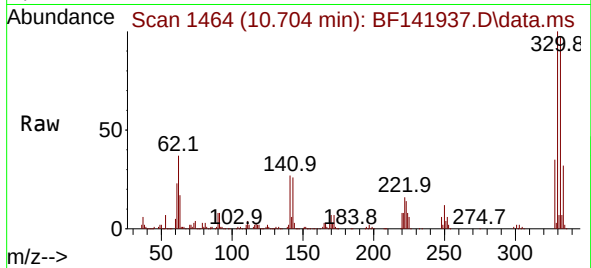




#42
2,4,6-Tribromophenol
Concen: 126.588 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

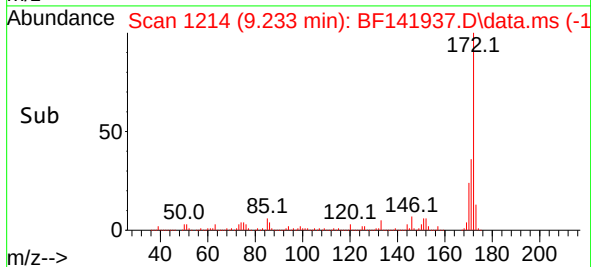
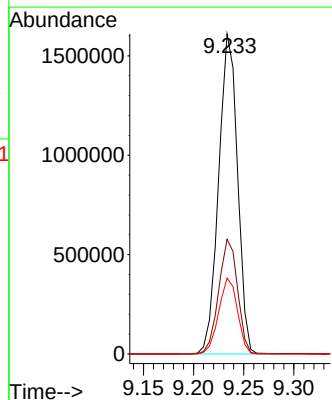
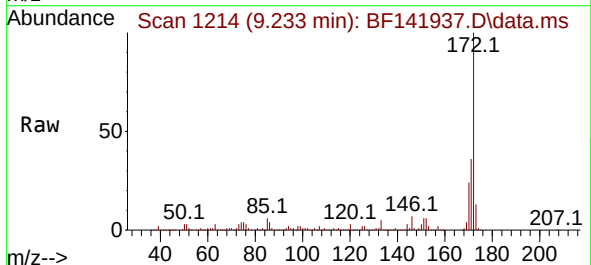
Instrument :
BNA_F
ClientSampleId :
TW-WTS-04

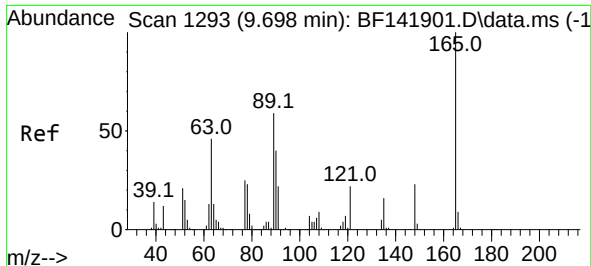
Tgt Ion:330 Resp: 552332
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 29.8 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 93.073 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:172 Resp: 2104841
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.7 19.4 29.0

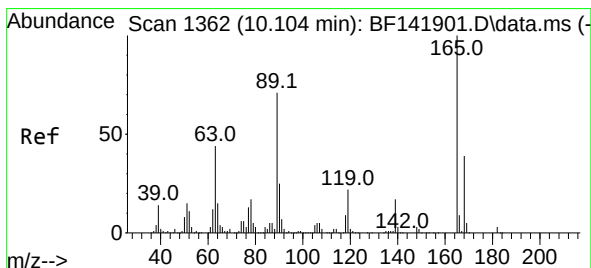
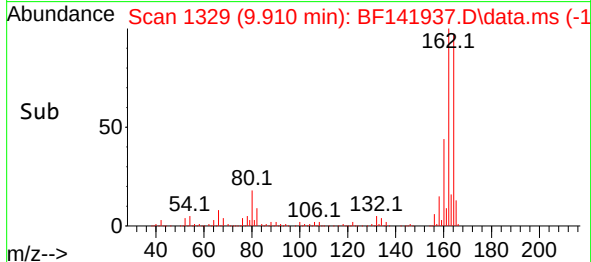
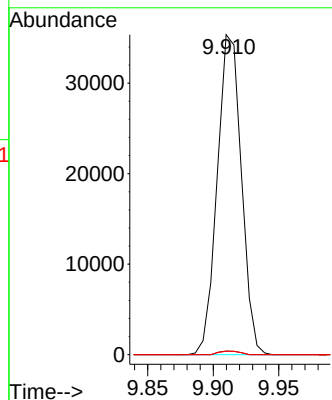
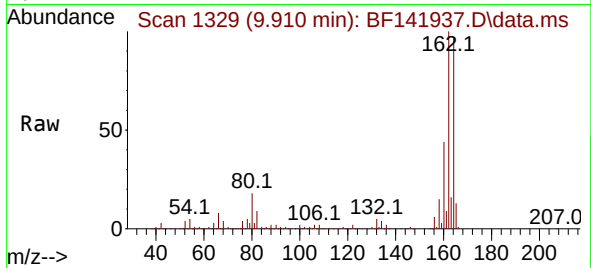




#51
2,6-Dinitrotoluene
Concen: 9.030 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

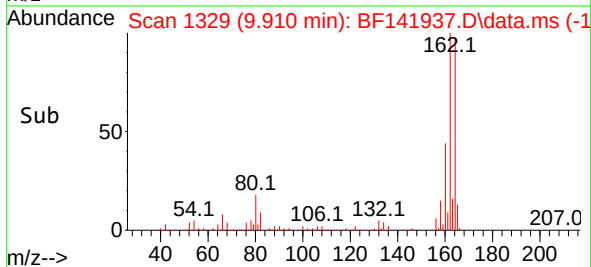
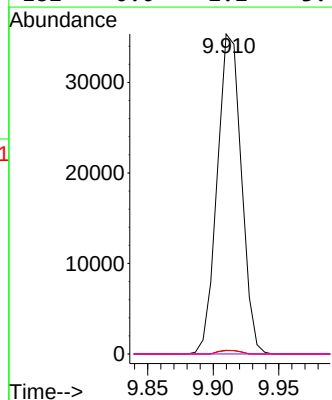
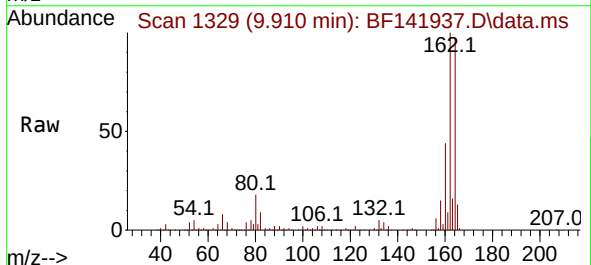
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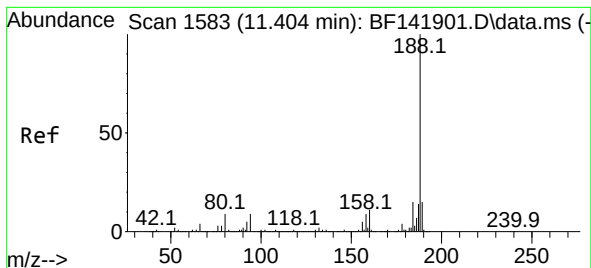
Tgt Ion:165 Resp: 45284
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.0 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.914 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141937.D
Acq: 12 Mar 2025 14:26

Tgt Ion:165 Resp: 45284
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.0 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141937.D

Acq: 12 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

TW-WTS-04

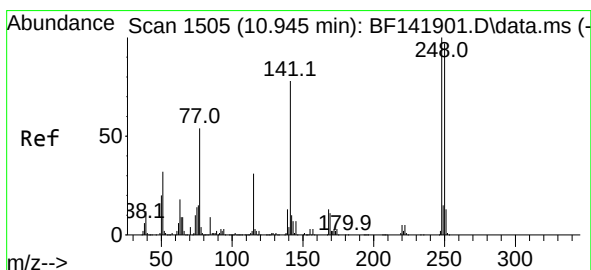
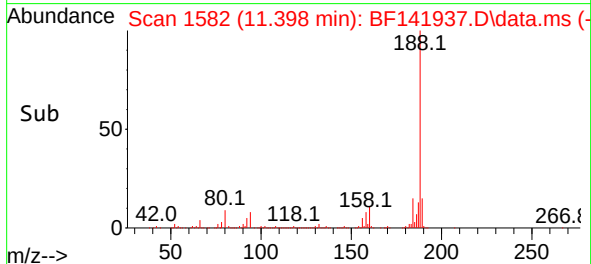
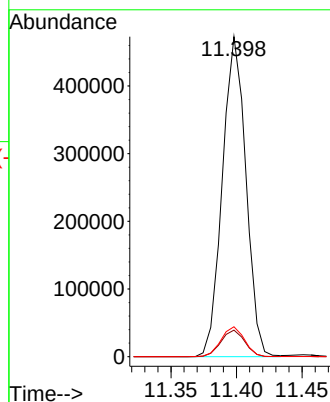
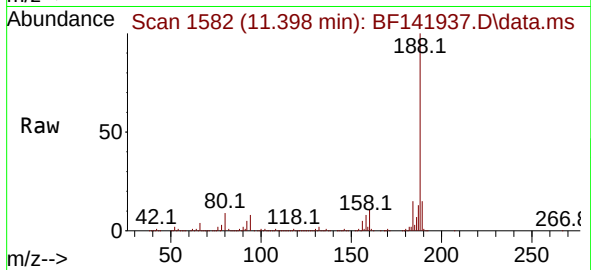
Tgt Ion:188 Resp: 590417

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: 4.766 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF141937.D

Acq: 12 Mar 2025 14:26

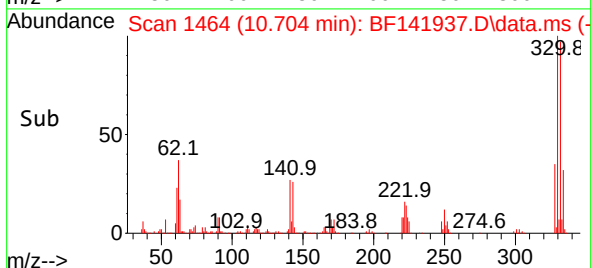
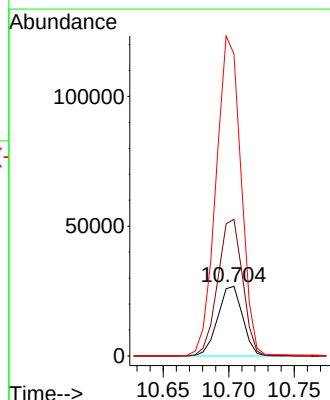
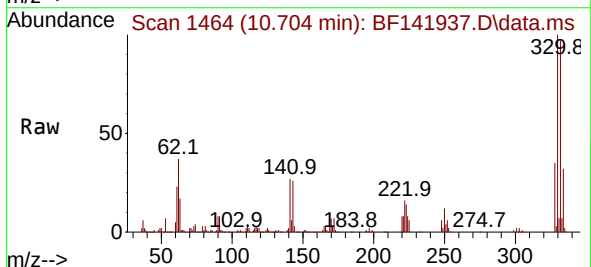
Tgt Ion:248 Resp: 35336

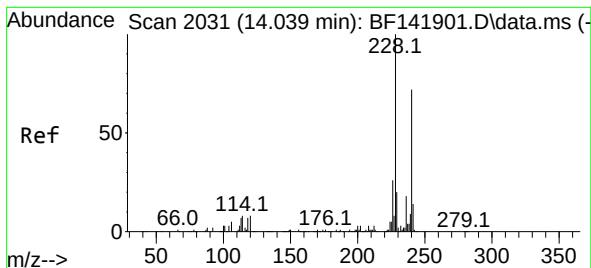
Ion Ratio Lower Upper

248 100

250 196.6 77.8 116.8#

141 434.2 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: BF141937.D

Acq: 12 Mar 2025 14:26

Instrument :

BNA_F

ClientSampleId :

TW-WTS-04

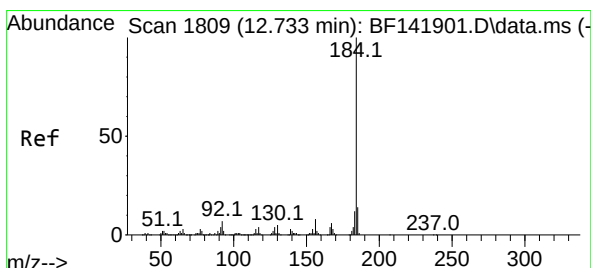
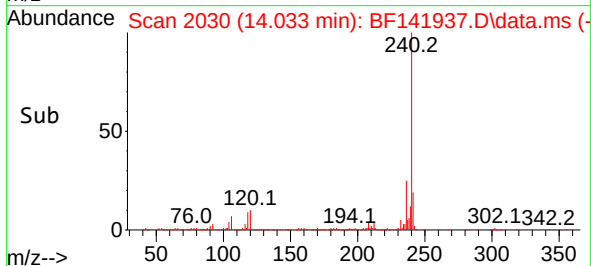
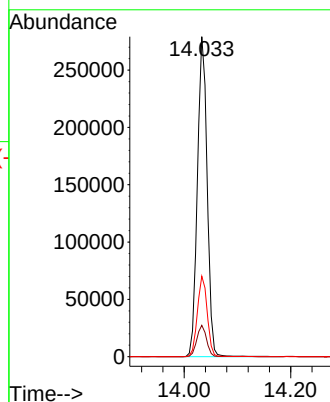
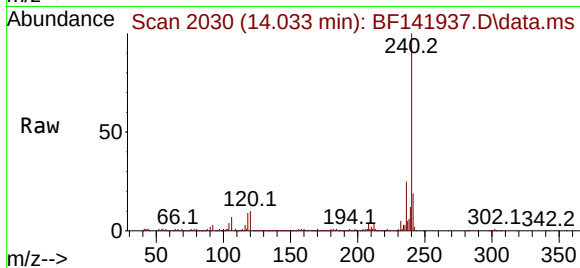
Tgt Ion:240 Resp: 355669

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

236 25.2 20.5 30.7



#77

Benzidine

Concen: 6.409 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF141937.D

Acq: 12 Mar 2025 14:26

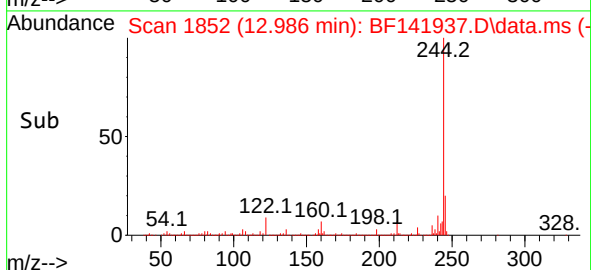
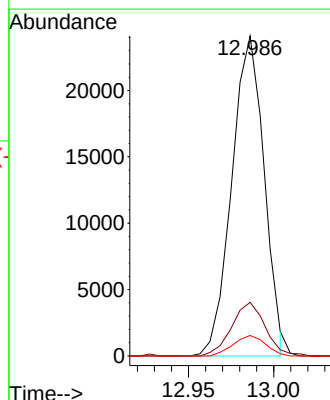
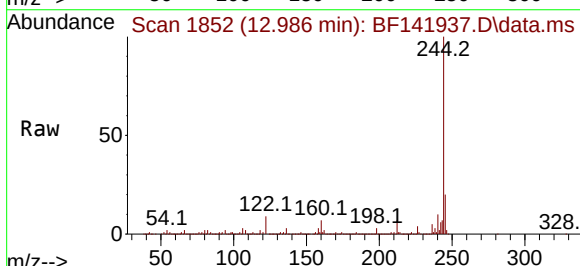
Tgt Ion:184 Resp: 31805

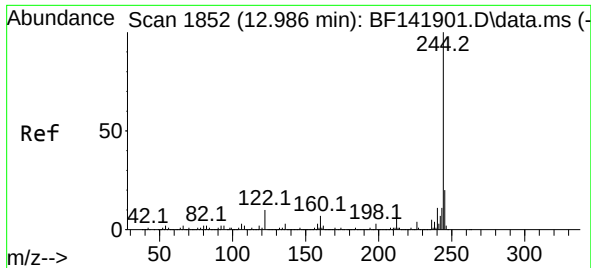
Ion Ratio Lower Upper

184 100

185 16.8 11.5 17.3

183 6.4 9.7 14.5#

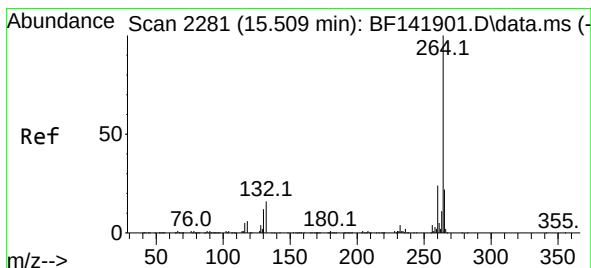
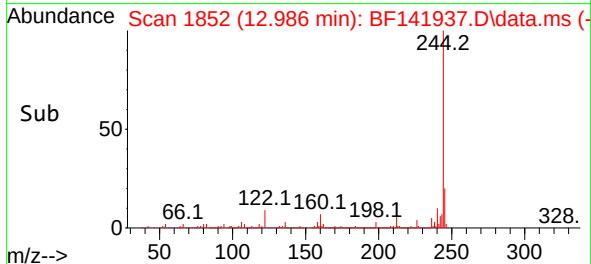
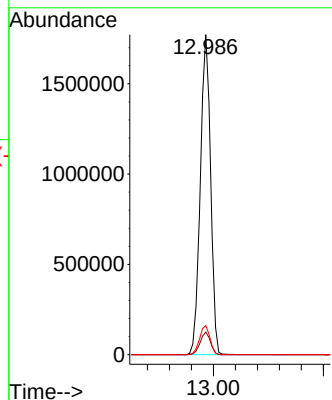
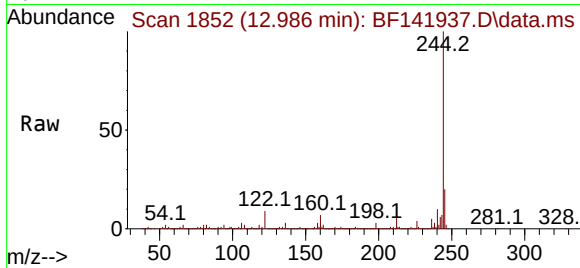




#79
 Terphenyl-d14
 Concen: 95.854 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141937.D
 Acq: 12 Mar 2025 14:26

Instrument :
 BNA_F
 ClientSampleId :
 TW-WTS-04

Tgt Ion:244 Resp: 2305935
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 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: BF141937.D
 Acq: 12 Mar 2025 14:26

Tgt Ion:264 Resp: 352171
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 21.4 17.5 26.3

