

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142082.D
 Acq On : 25 Mar 2025 17:10
 Operator : RC/JU
 Sample : Q1619-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 25 17:37:47 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)

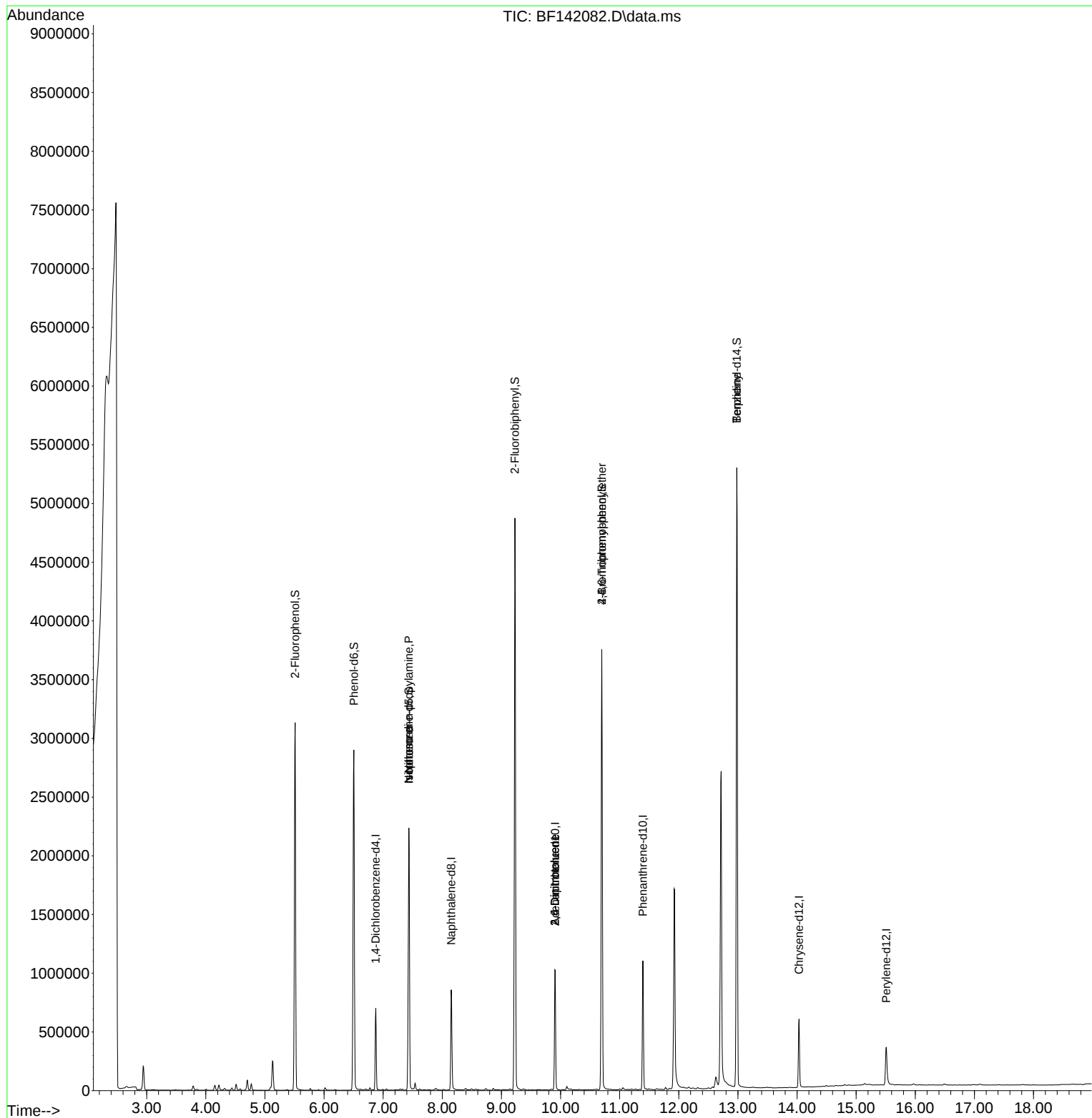
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	148741	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	578191	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	324578	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	562209	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	307458	20.000	ng	0.00
86) Perylene-d12	15.510	264	247620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1304980	146.426	ng	0.02
7) Phenol-d6	6.504	99	1569873	138.349	ng	0.00
23) Nitrobenzene-d5	7.434	82	1086078	105.709	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	759302	184.400	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2261526	105.964	ng	-0.01
79) Terphenyl-d14	12.980	244	2792537	134.283	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	153096	20.997	ng	# 77
25) Isophorone	7.434	82	1068711	58.845	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	42441	8.968	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	42442	6.866	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	46385	6.569	ng	# 1
77) Benzidine	12.980	184	38310	8.931	ng	# 90

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

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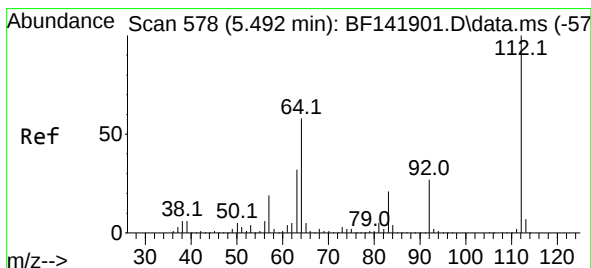
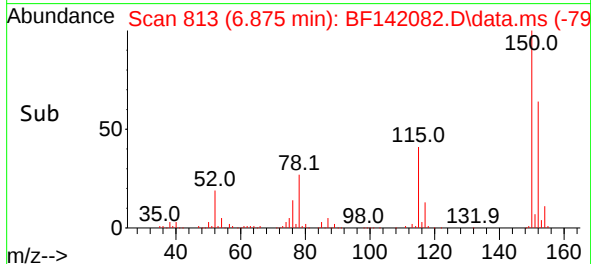
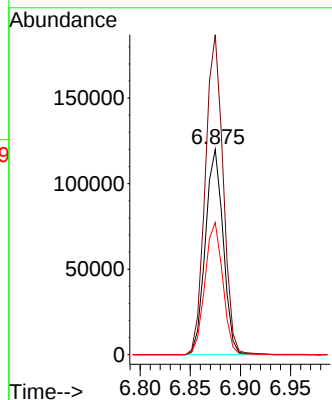
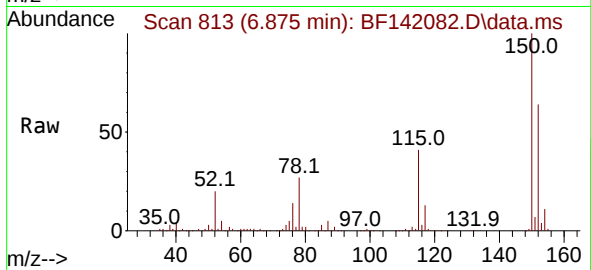




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

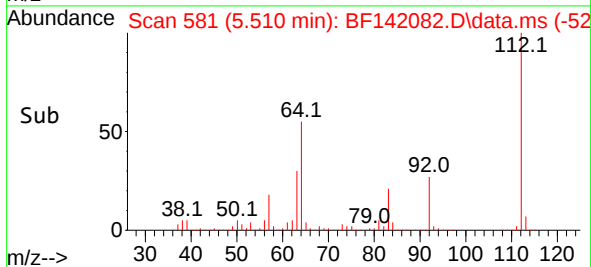
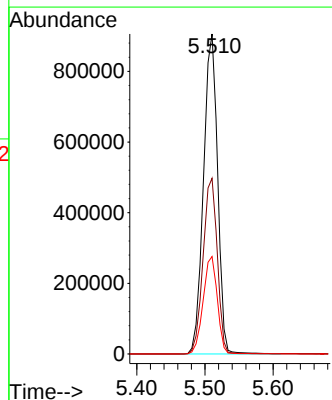
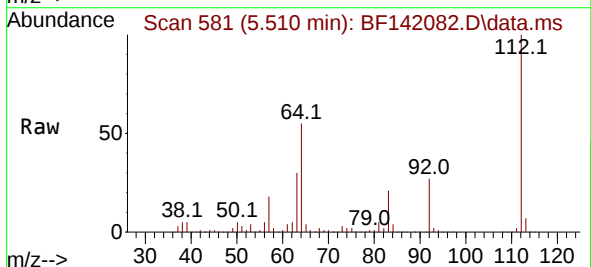
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:152 Resp: 148741
 Ion Ratio Lower Upper
 152 100
 150 155.9 127.4 191.2
 115 64.4 51.9 77.9



#5
 2-Fluorophenol
 Concen: 146.426 ng
 RT: 5.510 min Scan# 581
 Delta R.T. 0.018 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

Tgt Ion:112 Resp: 1304980
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.5 69.7
 63 30.4 25.4 38.2



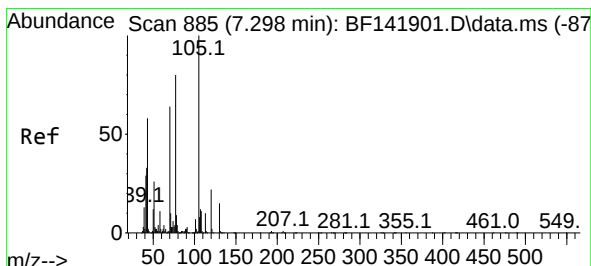
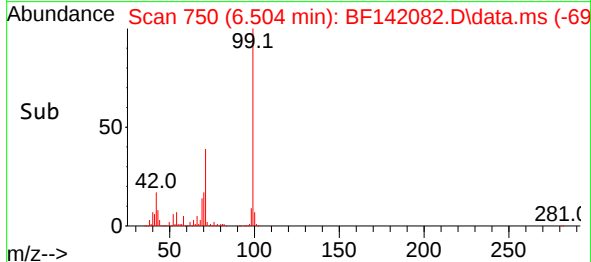
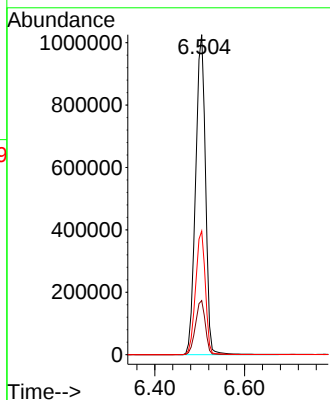
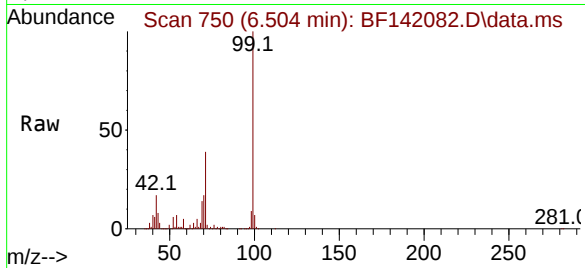


#7
Phenol-d6
Concen: 138.349 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 1569873

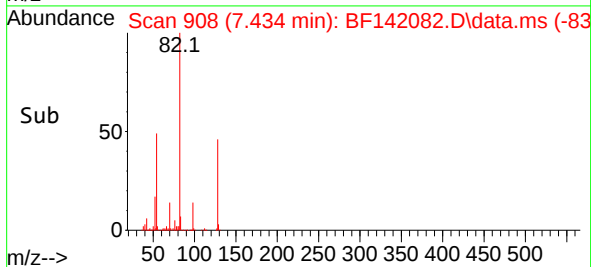
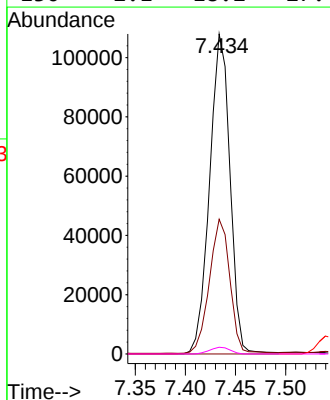
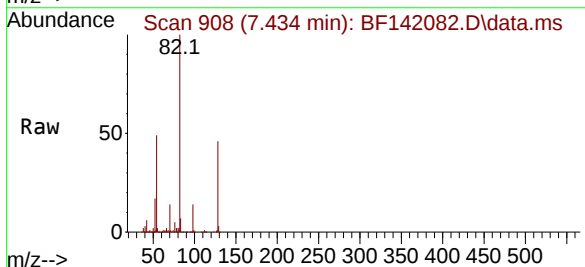
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.7	30.8	46.2

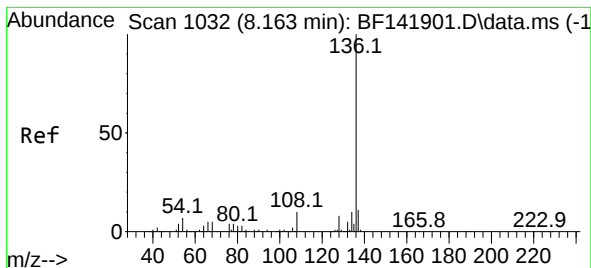


#19
n-Nitroso-di-n-propylamine
Concen: 20.997 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion: 70 Resp: 153096

Ion	Ratio	Lower	Upper
70	100		
42	42.1	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	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: BF142082.D

Acq: 25 Mar 2025 17:10

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion:136 Resp: 578191

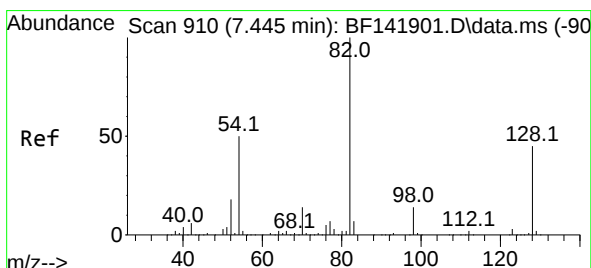
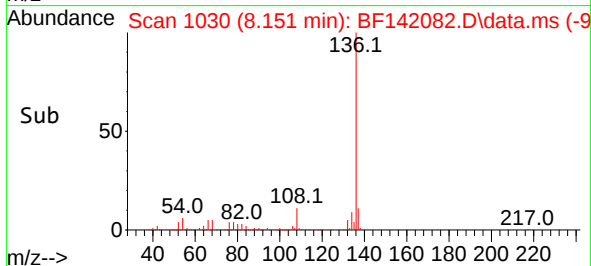
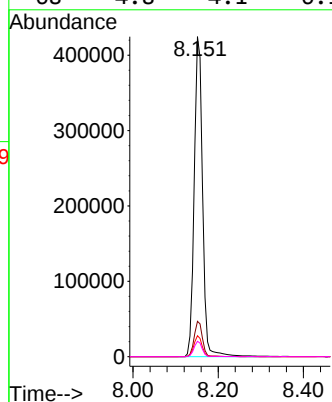
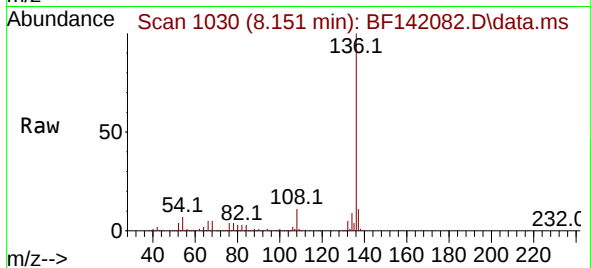
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 6.5 5.8 8.8

68 4.8 4.1 6.1



#23

Nitrobenzene-d5

Concen: 105.709 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

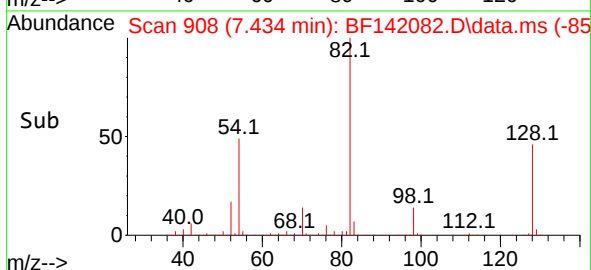
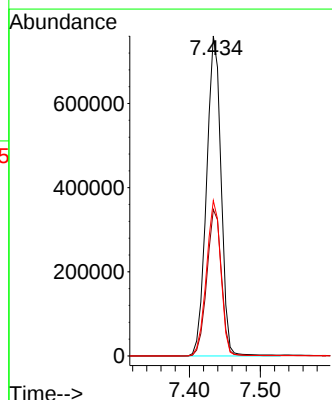
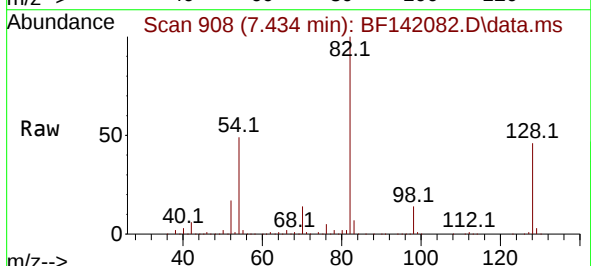
Tgt Ion: 82 Resp: 1086078

Ion Ratio Lower Upper

82 100

128 45.7 36.0 54.0

54 48.5 39.6 59.4

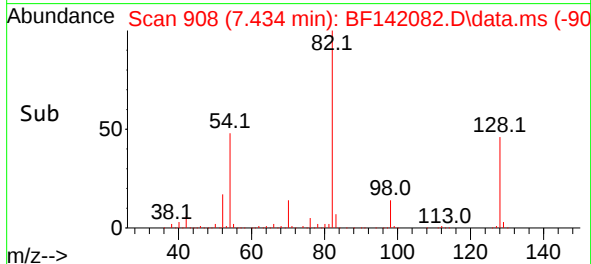
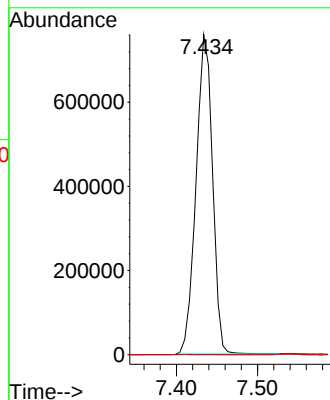
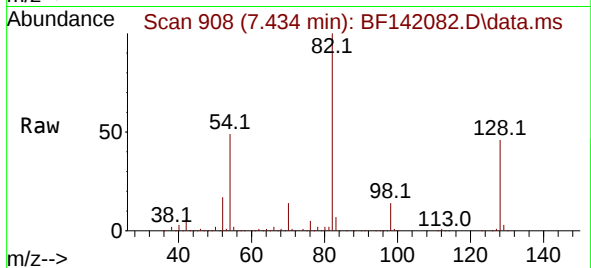




#25
Isophorone
Concen: 58.845 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

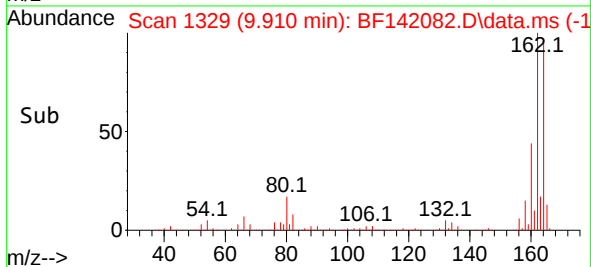
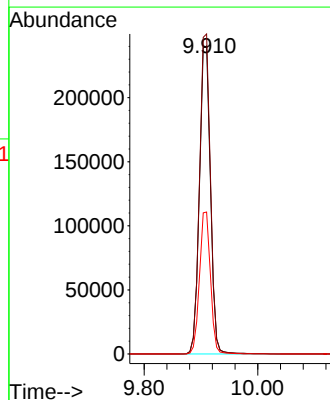
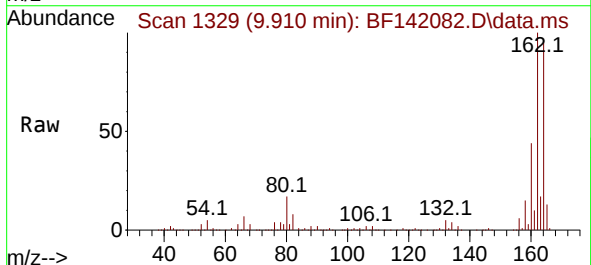
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 1068711
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: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion: 164 Resp: 324578
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 184.400 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

Instrument :

BNA_F

ClientSampleId :

TP-5

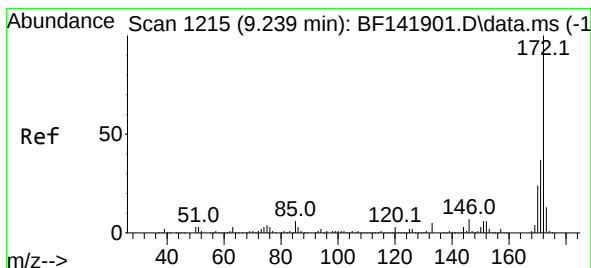
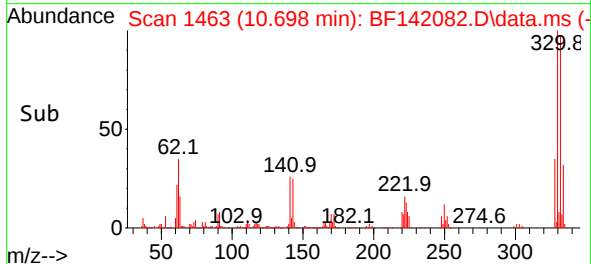
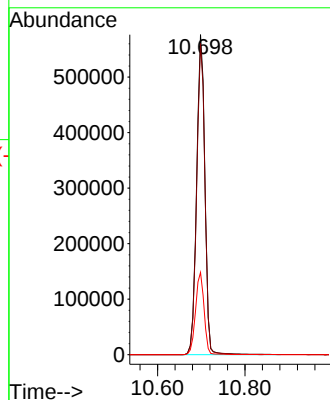
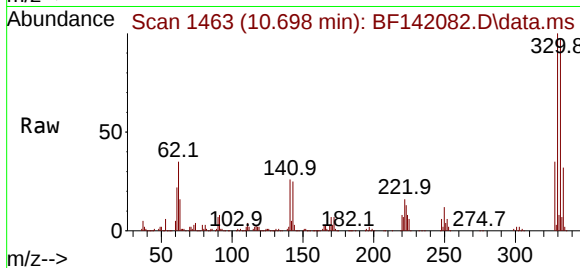
Tgt Ion:330 Resp: 759302

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 26.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 105.964 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

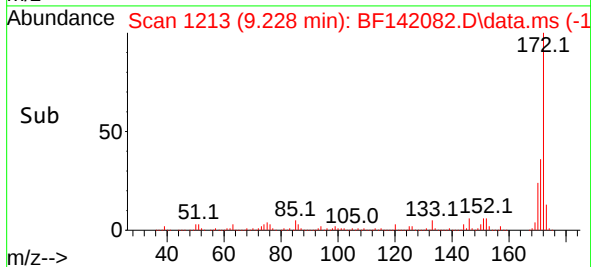
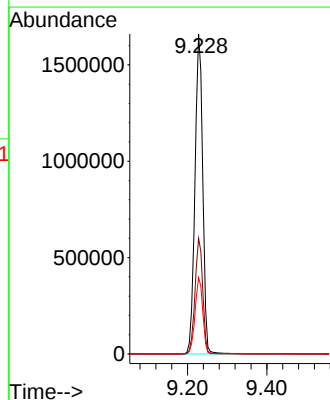
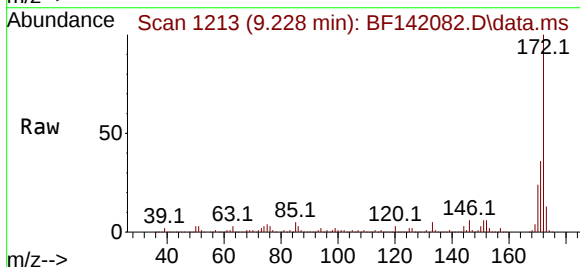
Tgt Ion:172 Resp: 2261526

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.9 19.4 29.0

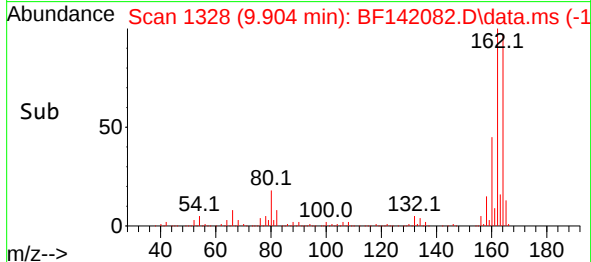
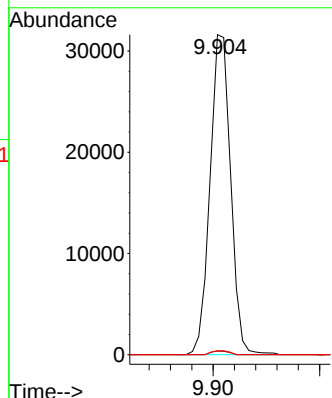
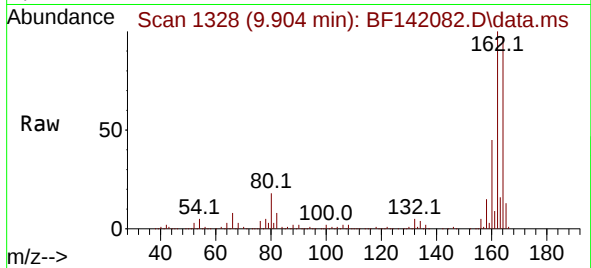




#51
2,6-Dinitrotoluene
Concen: 8.968 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

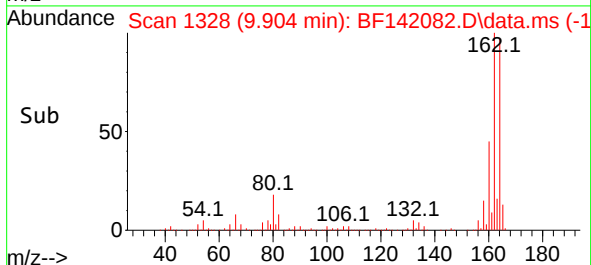
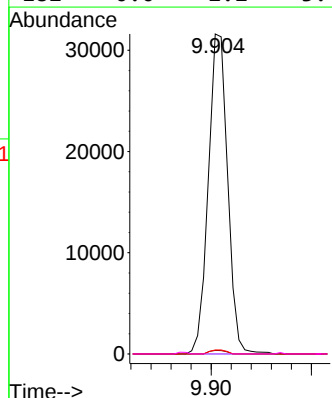
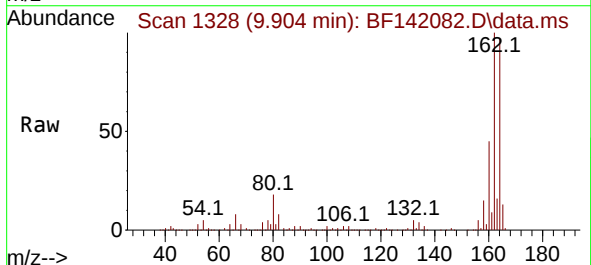
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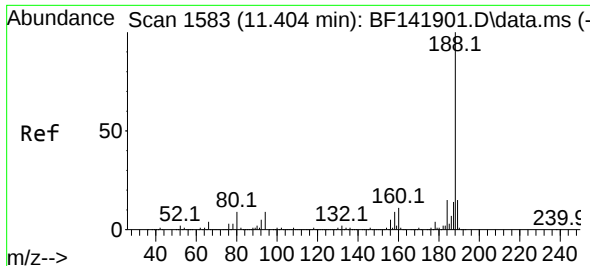
Tgt Ion:165 Resp: 42441
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.866 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion:165 Resp: 42442
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#

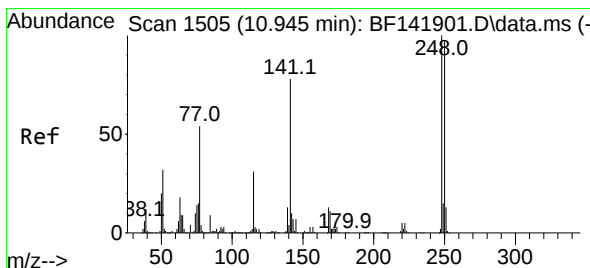
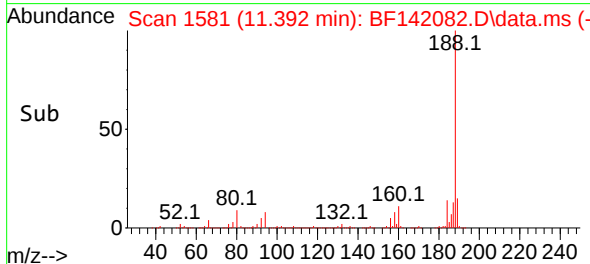
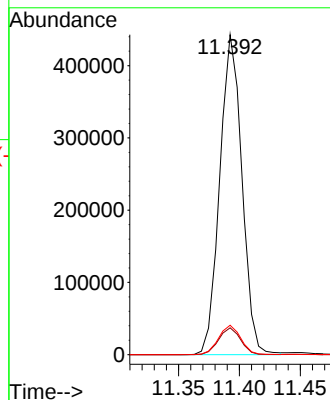
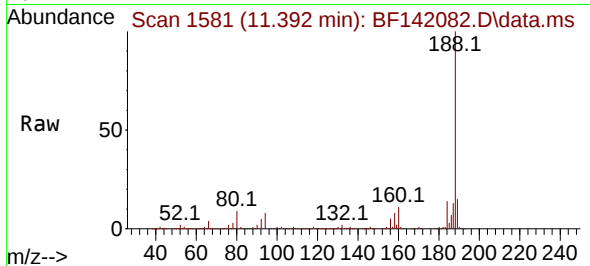




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

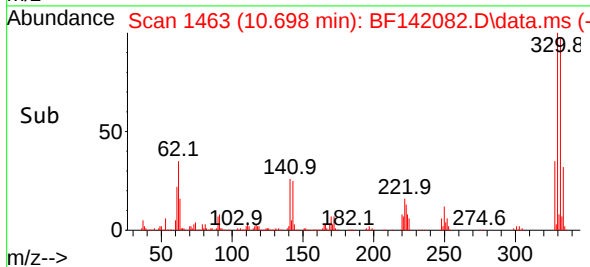
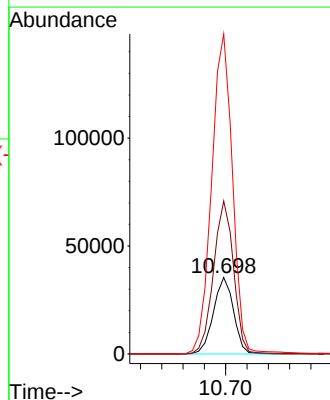
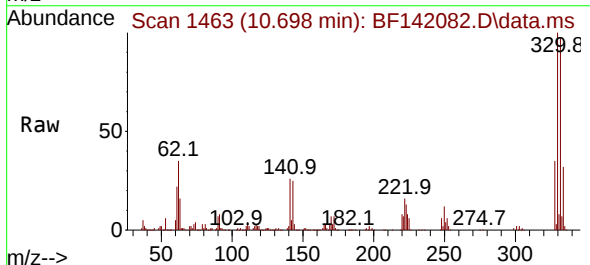
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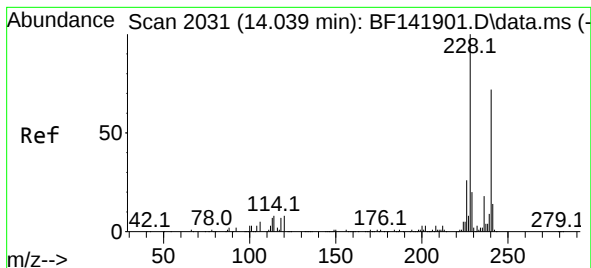
Tgt Ion:188 Resp: 562209
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.2 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 6.569 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142082.D
Acq: 25 Mar 2025 17:10

Tgt Ion:248 Resp: 46385
Ion Ratio Lower Upper
248 100
250 199.9 77.8 116.8#
141 418.3 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: BF142082.D

Acq: 25 Mar 2025 17:10

Instrument :

BNA_F

ClientSampleId :

TP-5

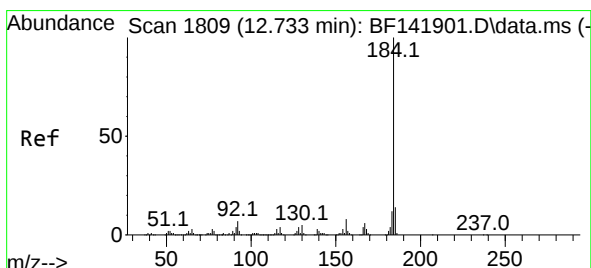
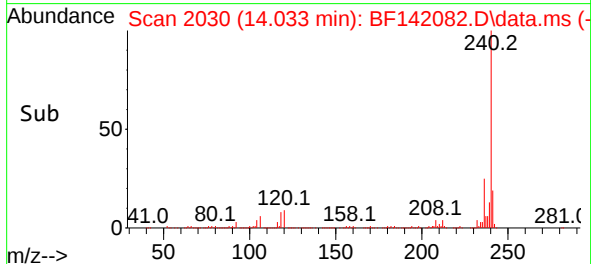
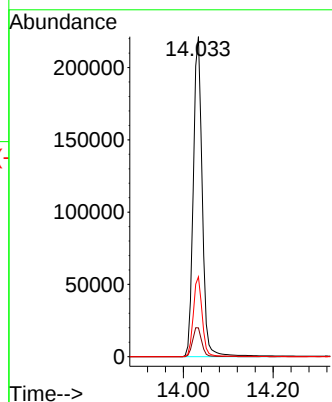
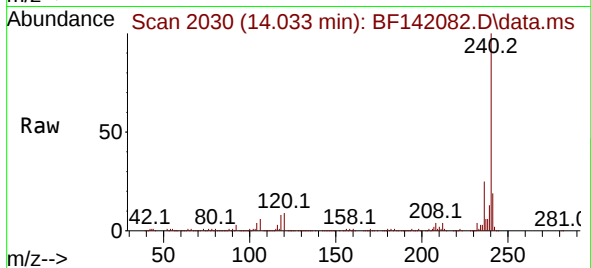
Tgt Ion:240 Resp: 307458

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 24.9 20.5 30.7



#77

Benzdine

Concen: 8.931 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142082.D

Acq: 25 Mar 2025 17:10

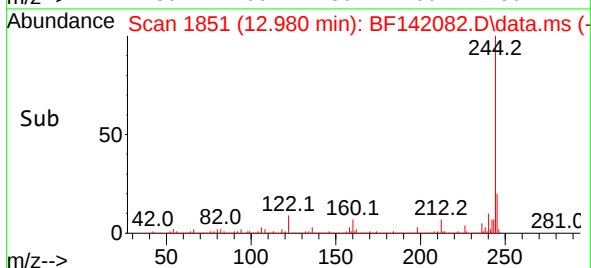
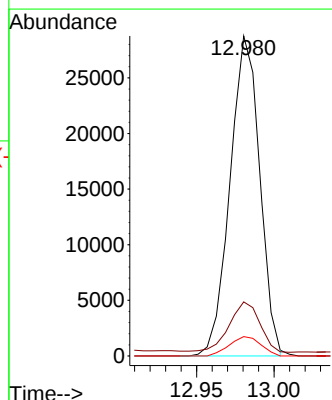
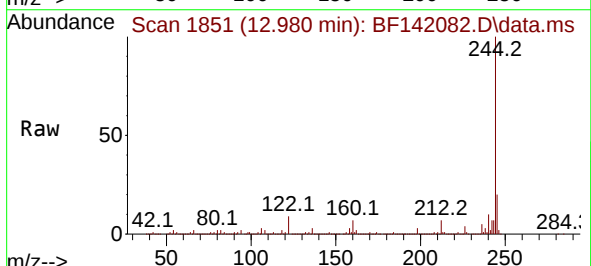
Tgt Ion:184 Resp: 38310

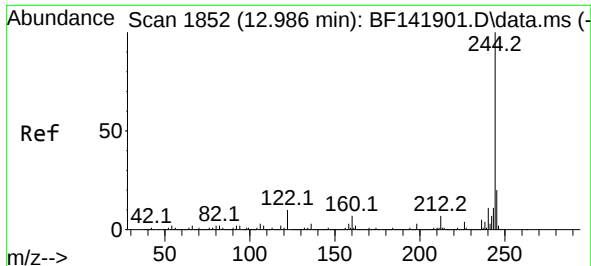
Ion Ratio Lower Upper

184 100

185 16.9 11.5 17.3

183 6.1 9.7 14.5#

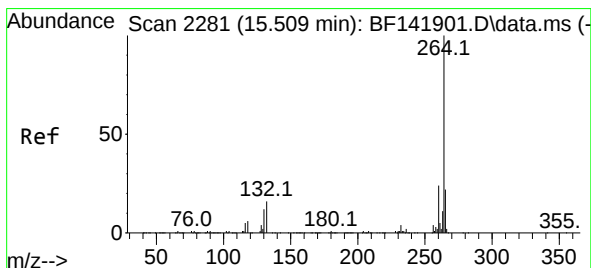
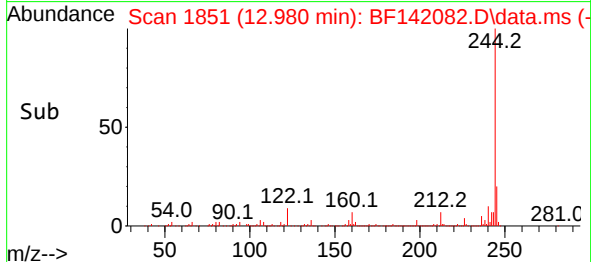
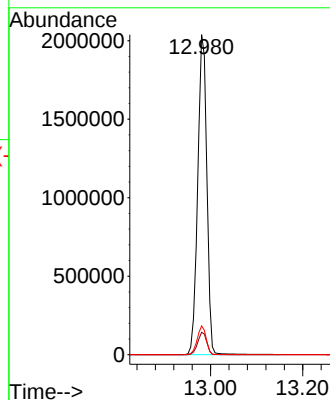
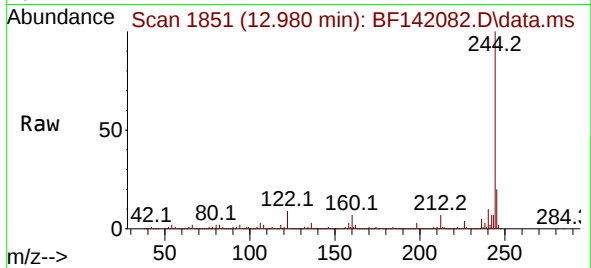




#79
 Terphenyl-d14
 Concen: 134.283 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142082.D
 Acq: 25 Mar 2025 17:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 2792537
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 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: BF142082.D
 Acq: 25 Mar 2025 17:10

Tgt Ion:264 Resp: 247620
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.5 17.5 26.3

