

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141540.D
 Acq On : 10 Feb 2025 17:42
 Operator : RC/JU
 Sample : Q1299-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Feb 11 00:06:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

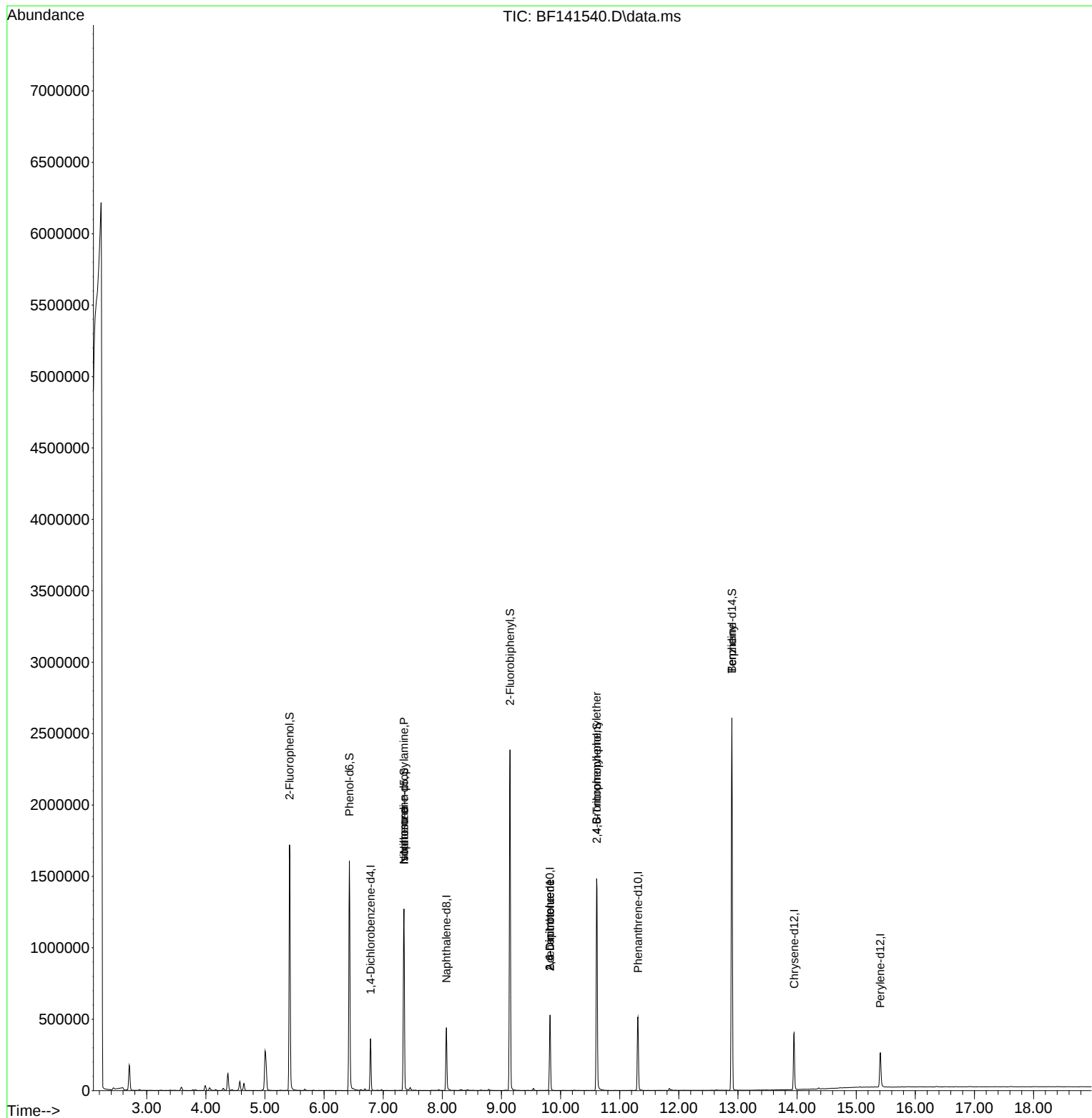
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72533	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	283795	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	160169	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	281543	20.000	ng	0.00
76) Chrysene-d12	13.951	240	210238	20.000	ng	-0.01
86) Perylene-d12	15.409	264	151641	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	632388	136.686	ng	0.00
7) Phenol-d6	6.428	99	715627	122.379	ng	-0.01
23) Nitrobenzene-d5	7.351	82	568663	104.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	247082	153.565	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1040030	100.039	ng	0.00
79) Terphenyl-d14	12.898	244	1292281	103.768	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	76955	22.001	ng	# 75
25) Isophorone	7.351	82	557382	64.247	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	20446	8.602	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	20446	6.461	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	16719	5.313	ng	# 1
77) Benzidine	12.898	184	17587	3.793	ng	# 91

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

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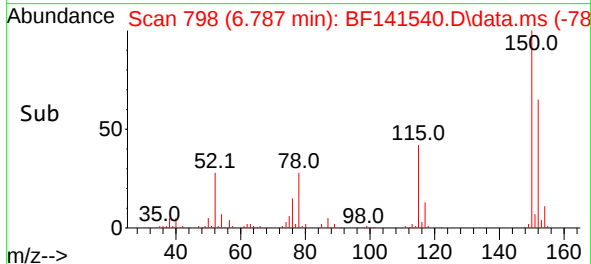
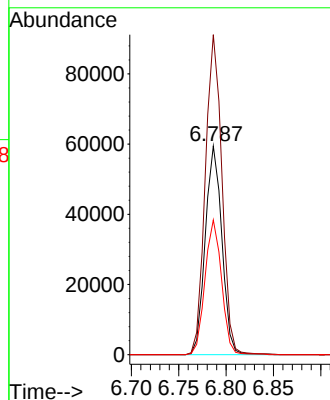
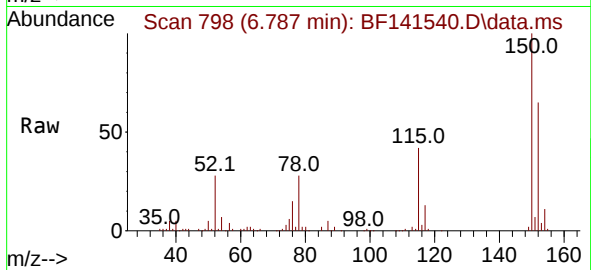




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141540.D
 Acq: 10 Feb 2025 17:42

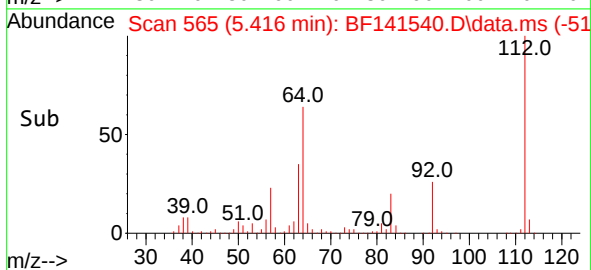
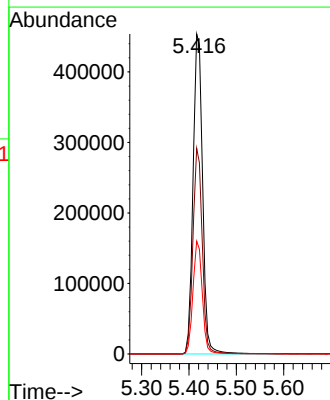
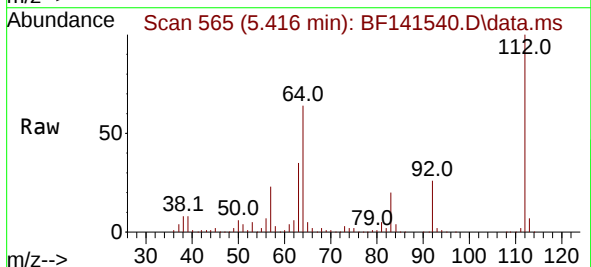
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:152 Resp: 72533
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.0 187.4
 115 64.6 53.6 80.4



#5
 2-Fluorophenol
 Concen: 136.686 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141540.D
 Acq: 10 Feb 2025 17:42

Tgt Ion:112 Resp: 632388
 Ion Ratio Lower Upper
 112 100
 64 64.2 51.1 76.7
 63 35.2 28.4 42.6





#7
Phenol-d6
Concen: 122.379 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141540.D
Acq: 10 Feb 2025 17:42

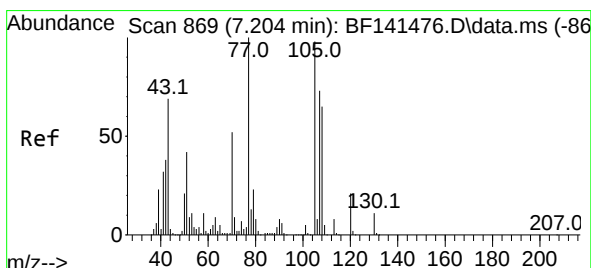
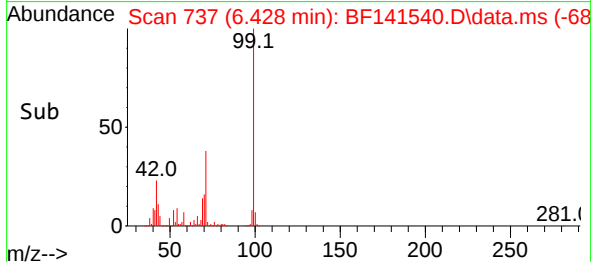
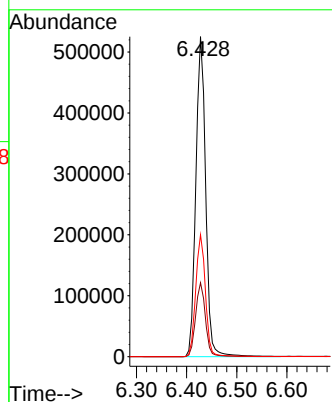
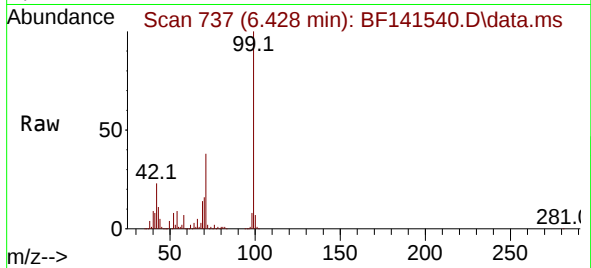
Instrument :

BNA_F

ClientSampleId :

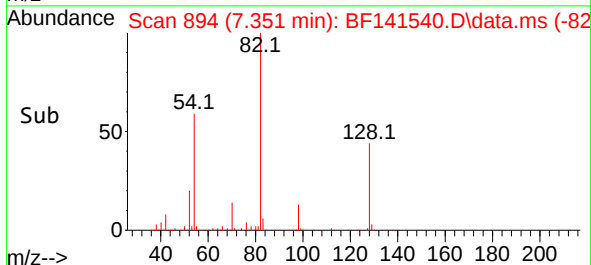
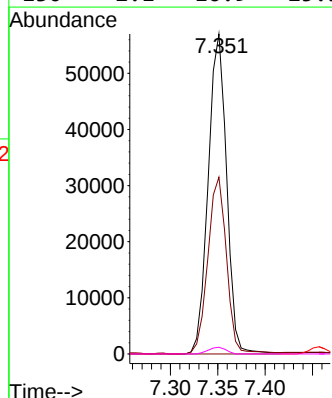
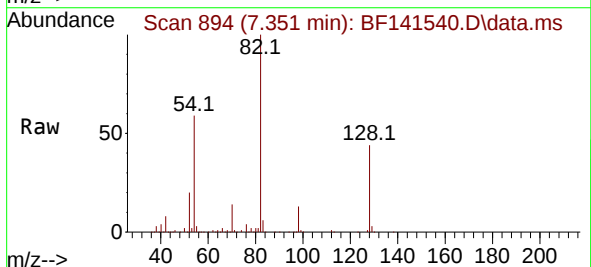
WC-2

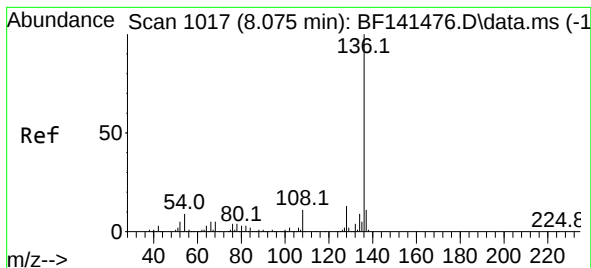
Tgt Ion: 99 Resp: 715627
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 22.001 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141540.D
Acq: 10 Feb 2025 17:42

Tgt Ion: 70 Resp: 76955
Ion Ratio Lower Upper
70 100
42 55.2 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion:136 Resp: 283795

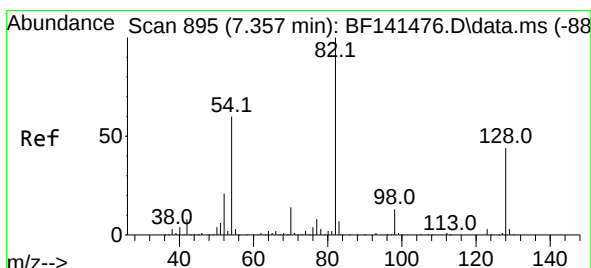
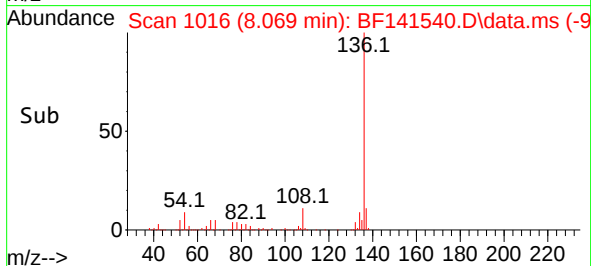
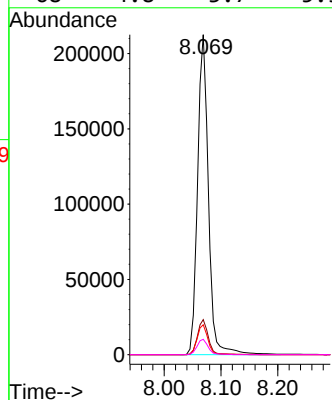
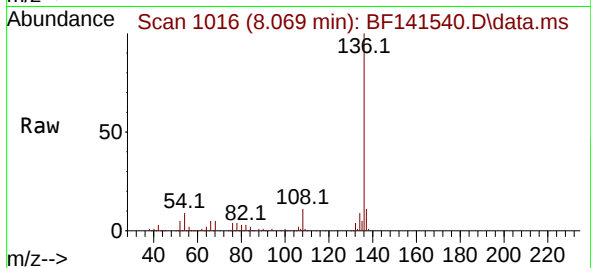
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.3 7.2 10.8

68 4.8 3.7 5.5



#23

Nitrobenzene-d5

Concen: 104.514 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

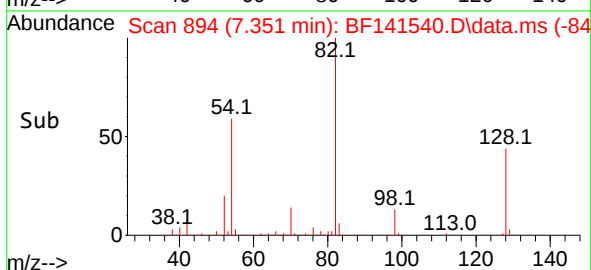
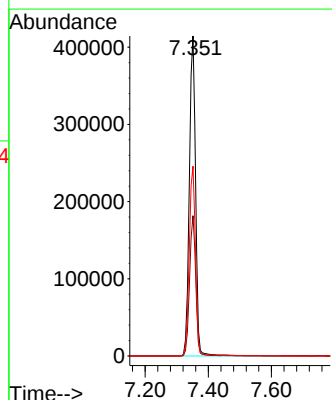
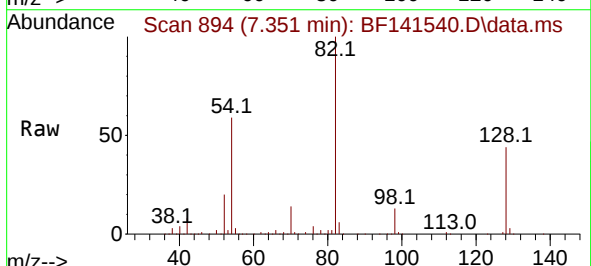
Tgt Ion: 82 Resp: 568663

Ion Ratio Lower Upper

82 100

128 43.8 34.8 52.2

54 59.3 48.2 72.4

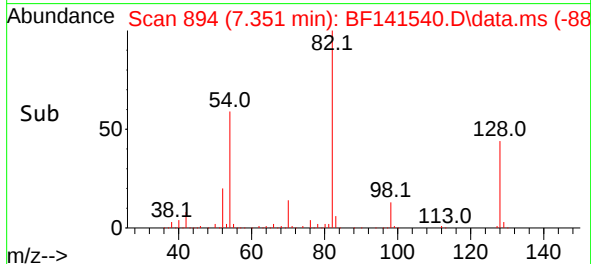
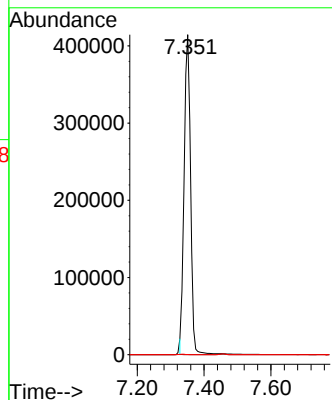
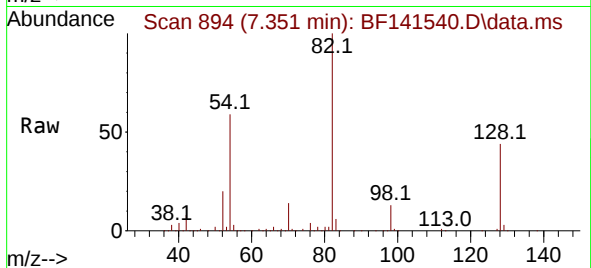




#25
Isophorone
Concen: 64.247 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141540.D
Acq: 10 Feb 2025 17:42

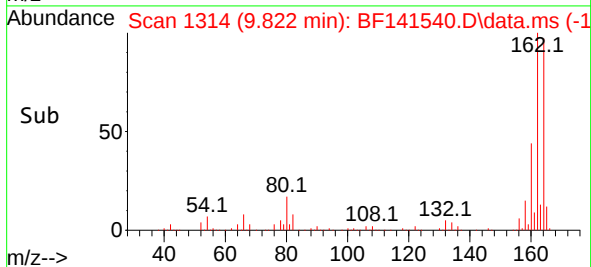
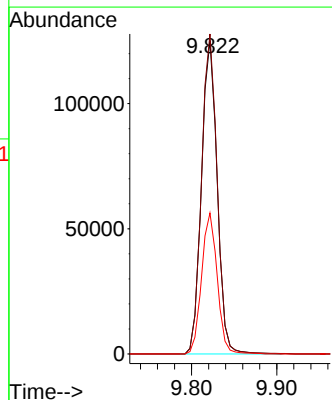
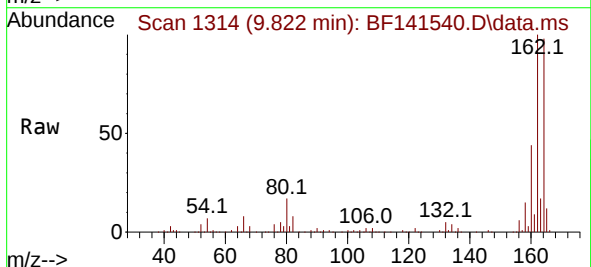
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 557382
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141540.D
Acq: 10 Feb 2025 17:42

Tgt Ion:164 Resp: 160169
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 45.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 153.565 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

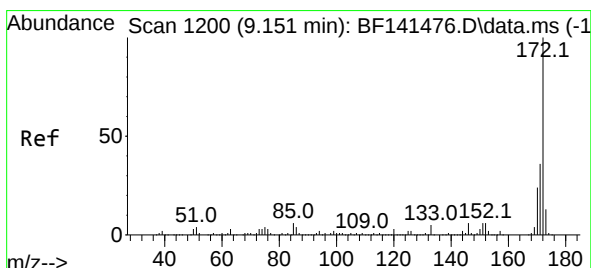
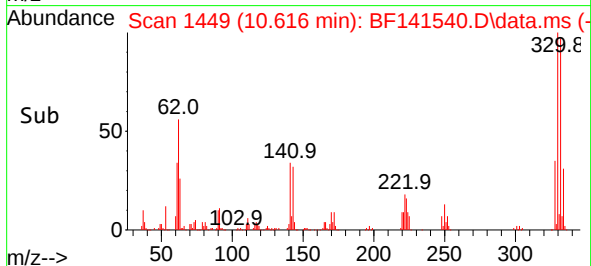
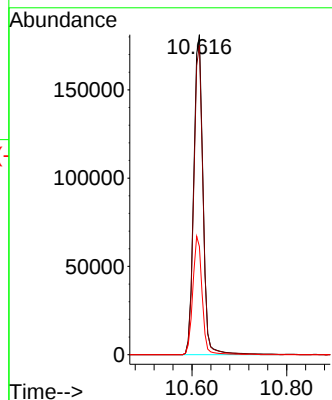
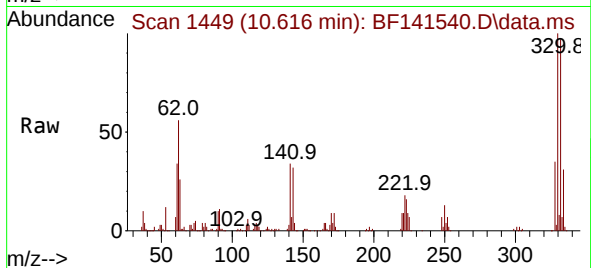
Tgt Ion:330 Resp: 247082

Ion Ratio Lower Upper

330 100

332 96.0 78.5 117.7

141 37.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 100.039 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

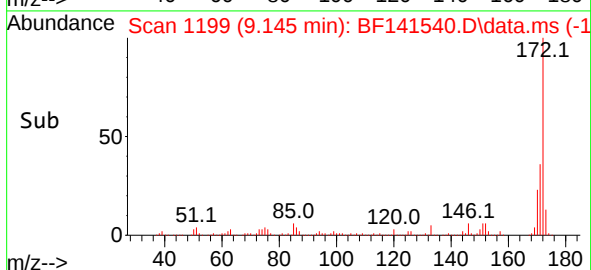
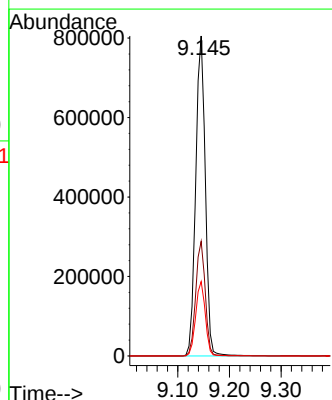
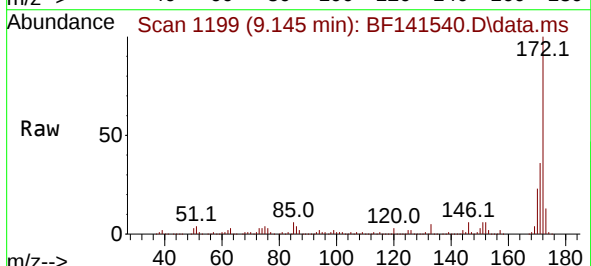
Tgt Ion:172 Resp: 1040030

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.602 ng

RT: 9.822 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

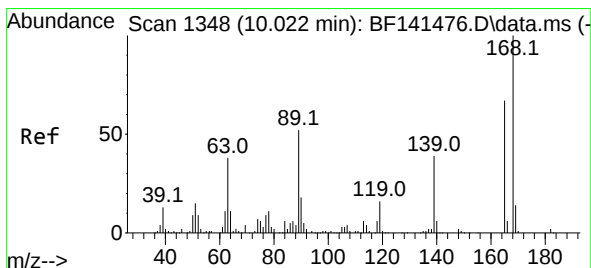
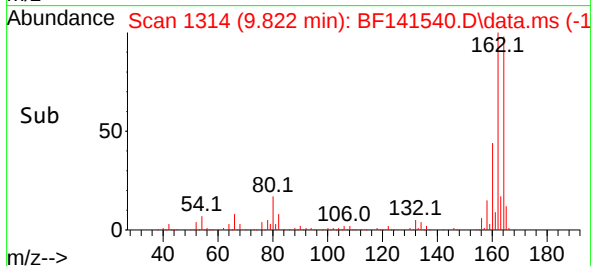
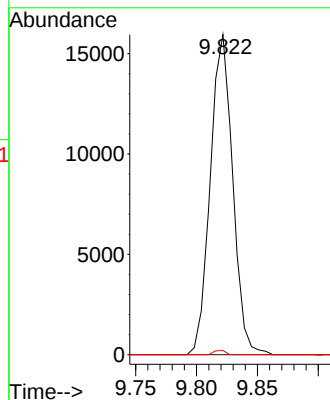
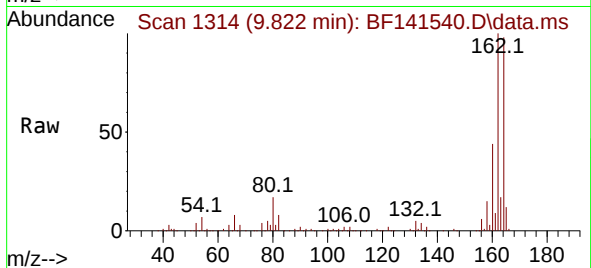
Tgt Ion:165 Resp: 20446

Ion Ratio Lower Upper

165 100

63 0.0 49.4 74.0#

89 1.3 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.461 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Tgt Ion:165 Resp: 20446

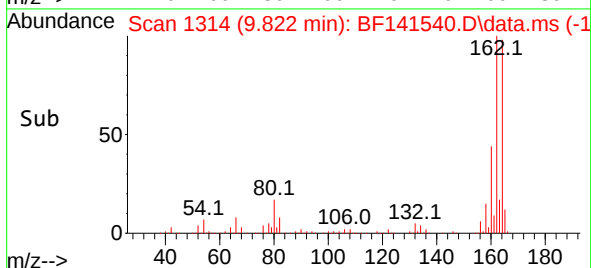
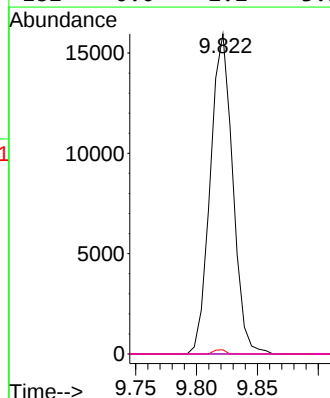
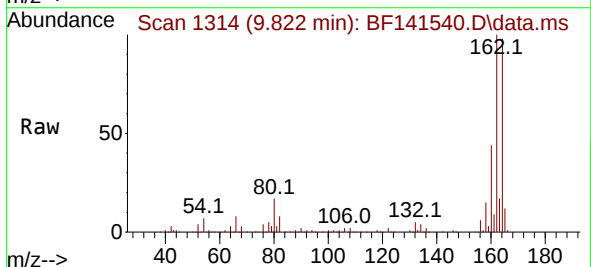
Ion Ratio Lower Upper

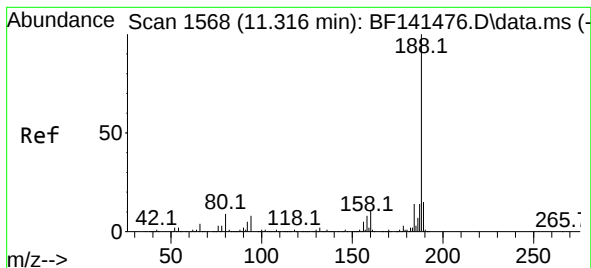
165 100

63 0.0 46.4 69.6#

89 1.3 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

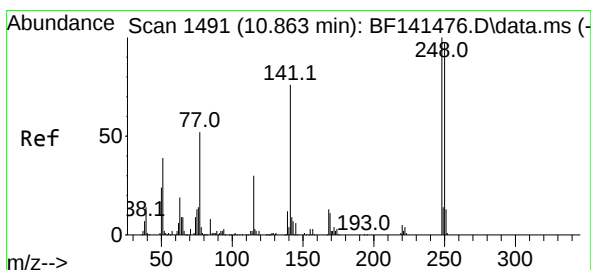
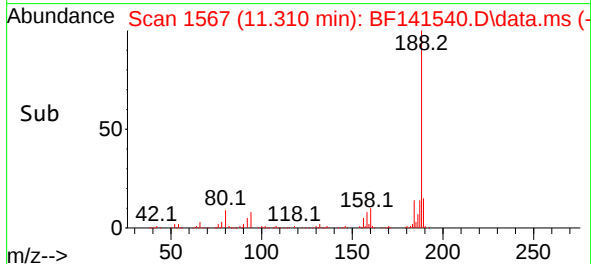
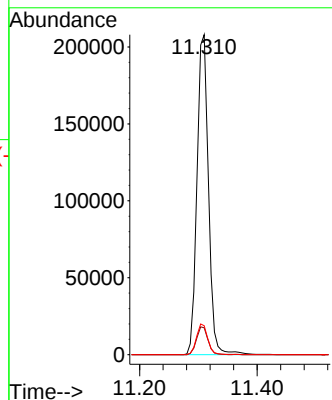
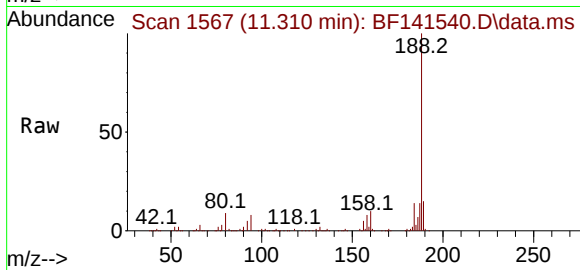
Tgt Ion:188 Resp: 281543

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.313 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

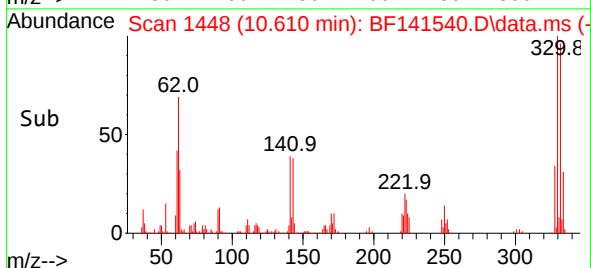
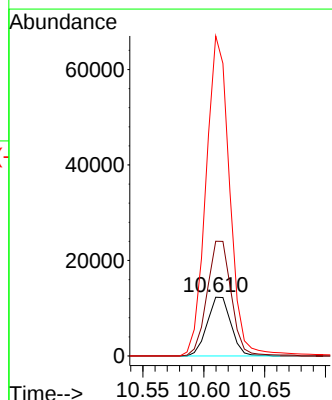
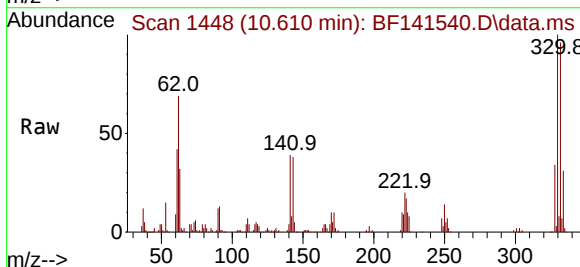
Tgt Ion:248 Resp: 16719

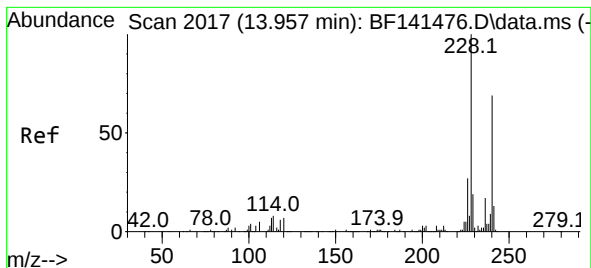
Ion Ratio Lower Upper

248 100

250 195.4 77.8 116.6#

141 545.1 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

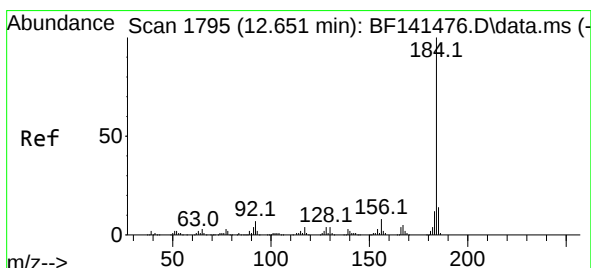
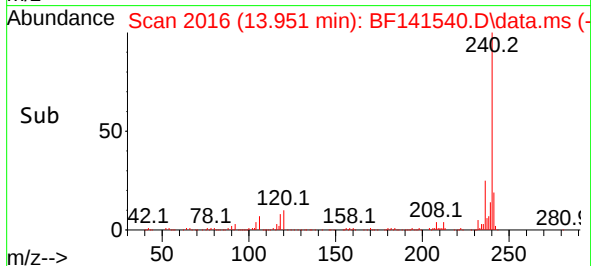
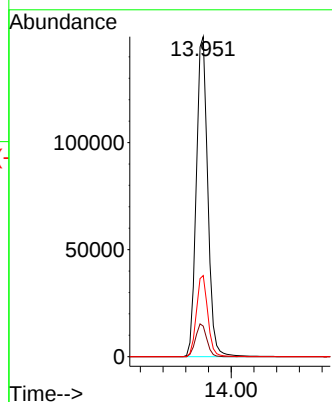
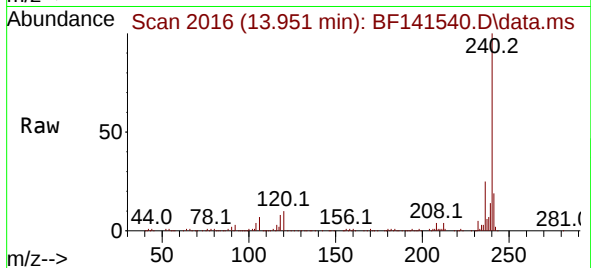
Tgt Ion:240 Resp: 210238

Ion Ratio Lower Upper

240 100

120 9.5 8.0 12.0

236 25.3 19.8 29.8



#77

Benzidine

Concen: 3.793 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

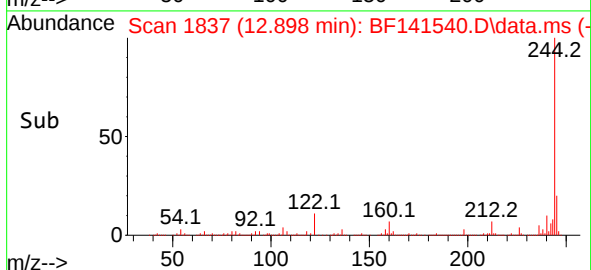
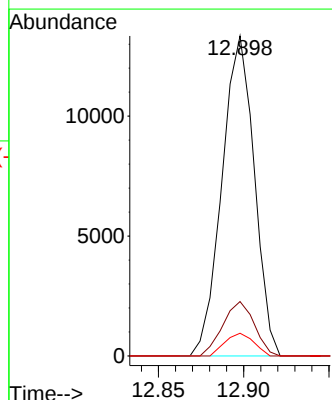
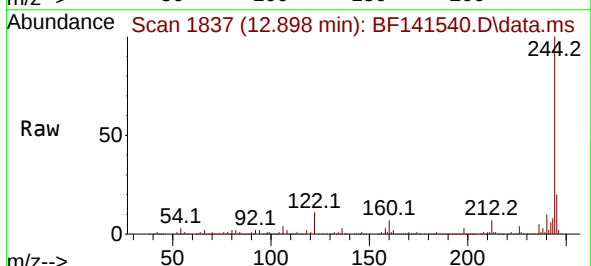
Tgt Ion:184 Resp: 17587

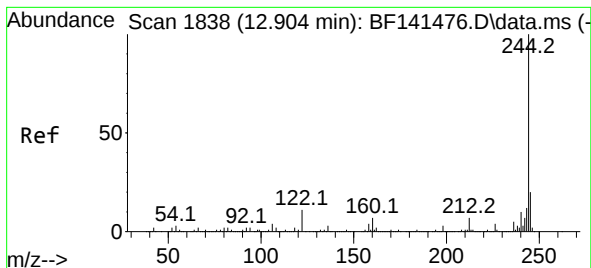
Ion Ratio Lower Upper

184 100

185 17.0 11.3 16.9#

183 7.1 9.3 13.9#





#79

Terphenyl-d14

Concen: 103.768 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

WC-2

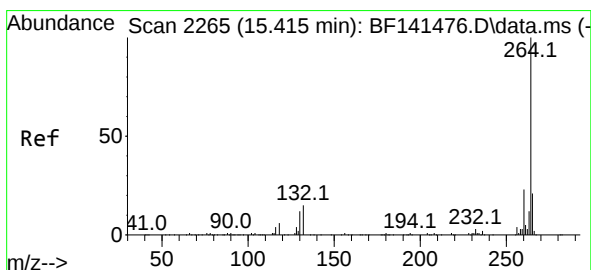
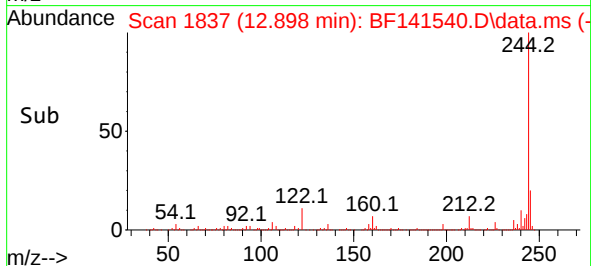
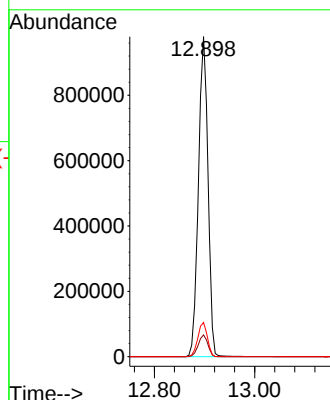
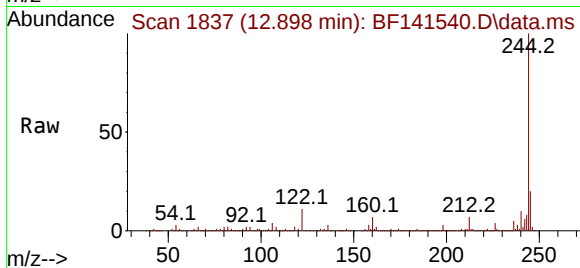
Tgt Ion:244 Resp: 1292281

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.7 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF141540.D

Acq: 10 Feb 2025 17:42

Tgt Ion:264 Resp: 151641

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.0 17.0 25.4

