

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140882.D
 Acq On : 17 Dec 2024 13:53
 Operator : RC/JU
 Sample : P5239-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 17 14:15:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

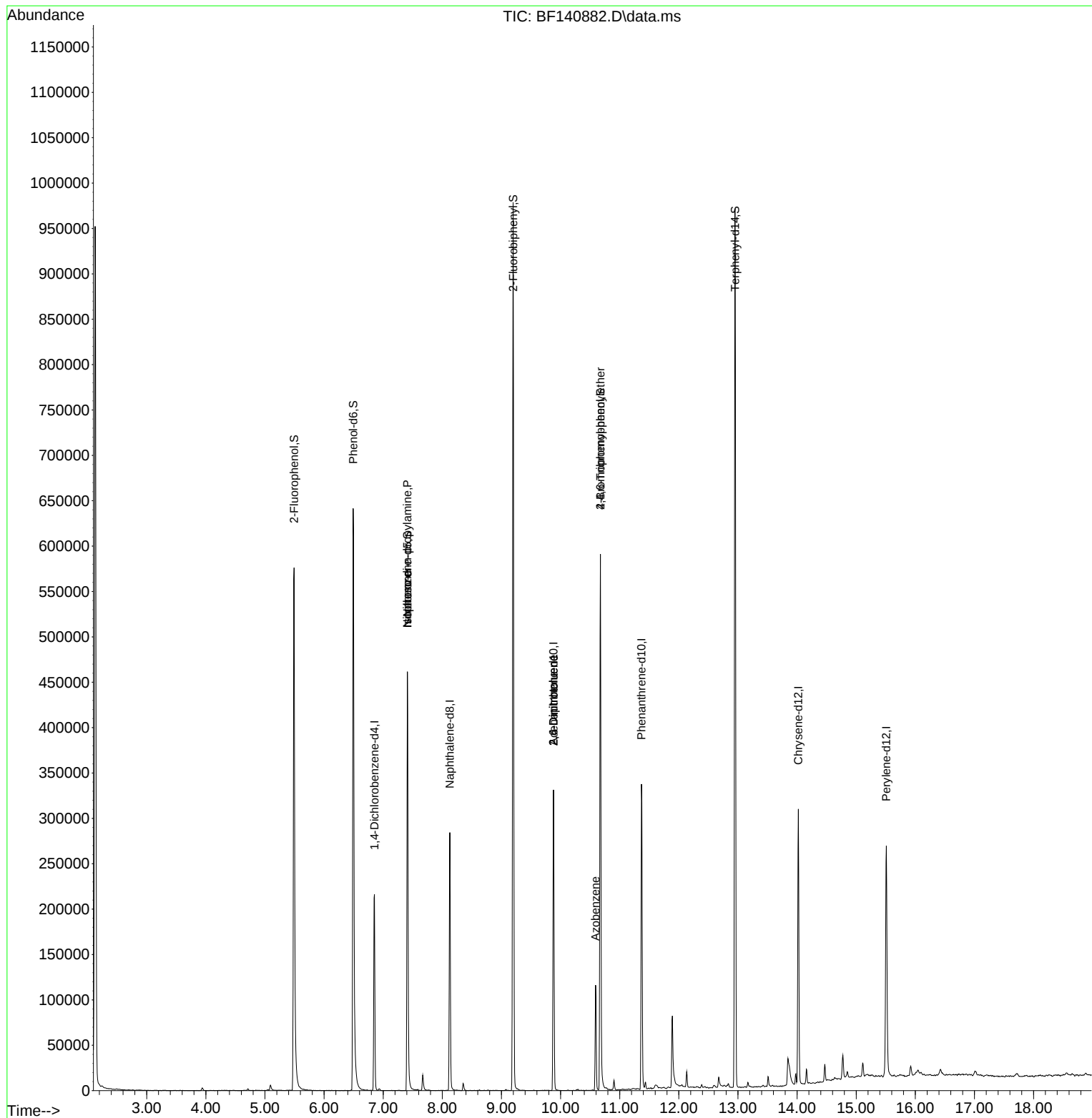
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	50405	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	184737	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	99355	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	194261	20.000	ng	0.00
76) Chrysene-d12	14.021	240	150309	20.000	ng	-0.01
86) Perylene-d12	15.509	264	161903	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	260963	85.228	ng	0.00
7) Phenol-d6	6.492	99	346512	85.441	ng	0.00
23) Nitrobenzene-d5	7.410	82	217854	59.000	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	106734	90.831	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	431625	59.727	ng	0.00
79) Terphenyl-d14	12.951	244	474577	49.787	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	29487	12.121	ng	# 78
25) Isophorone	7.410	82	215108	34.768	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	12987	8.110	ng	# 20
57) 2,4-Dinitrotoluene	9.880	165	12987	6.164	ng	# 14
63) Azobenzene	10.592	77	30584	4.479	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	6333	2.914	ng	# 1

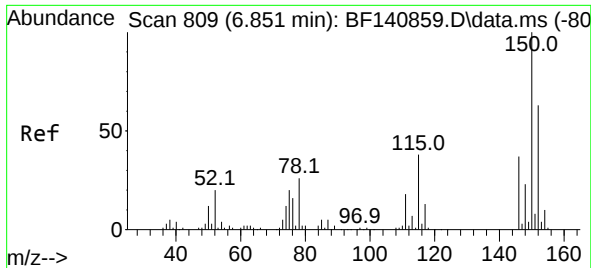
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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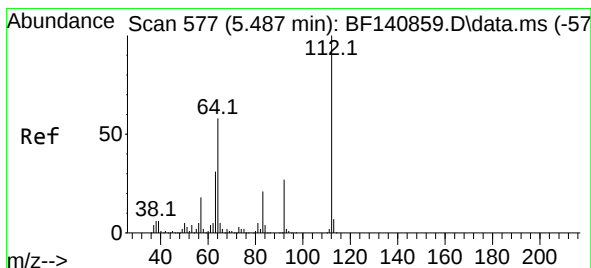
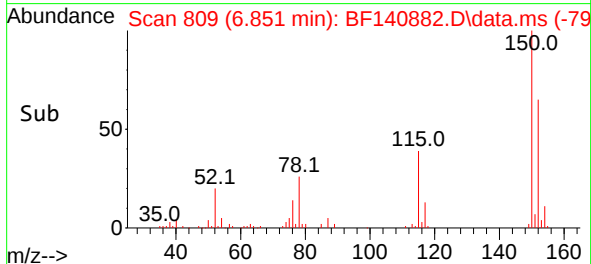
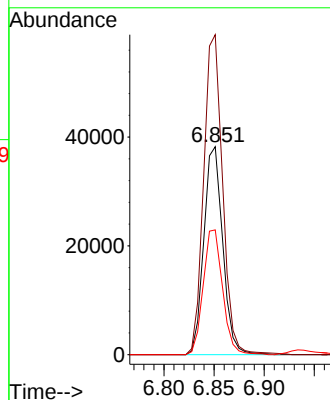
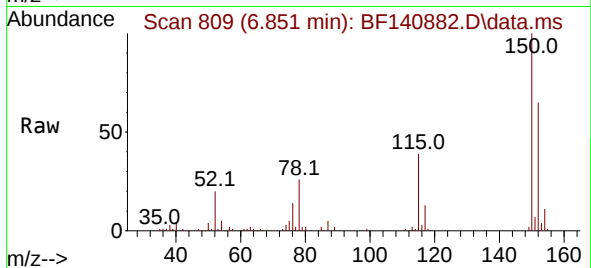




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

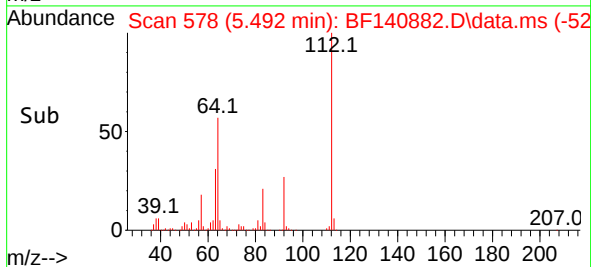
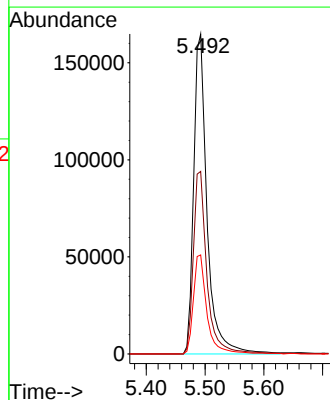
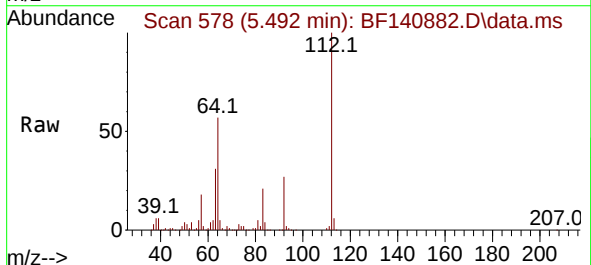
Instrument :
BNA_F
ClientSampleId :
WC-1

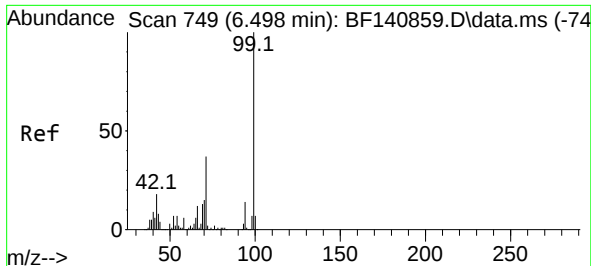
Tgt Ion:152 Resp: 50405
Ion Ratio Lower Upper
152 100
150 153.8 127.9 191.9
115 60.0 48.0 72.0



#5
2-Fluorophenol
Concen: 85.228 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

Tgt Ion:112 Resp: 260963
Ion Ratio Lower Upper
112 100
64 57.1 46.1 69.1
63 30.9 24.9 37.3

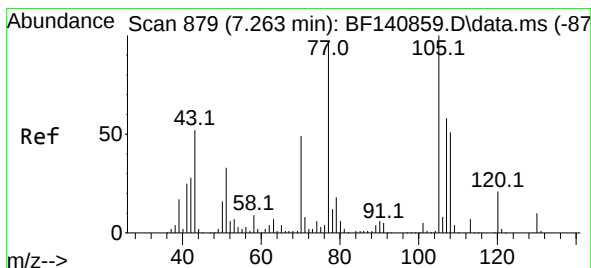
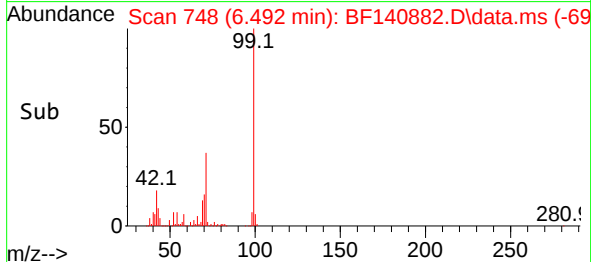
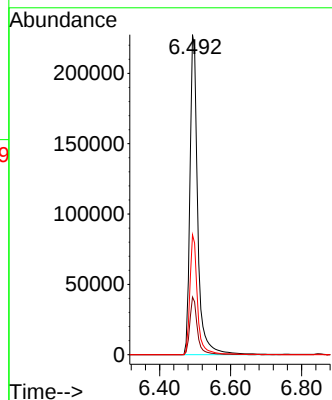
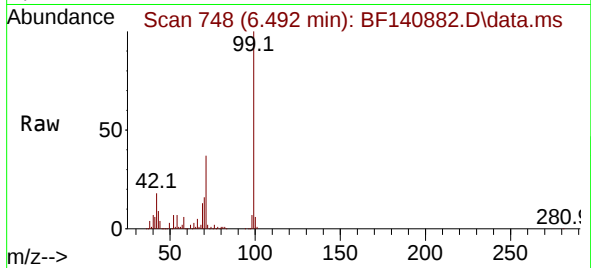




#7
Phenol-d6
Concen: 85.441 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

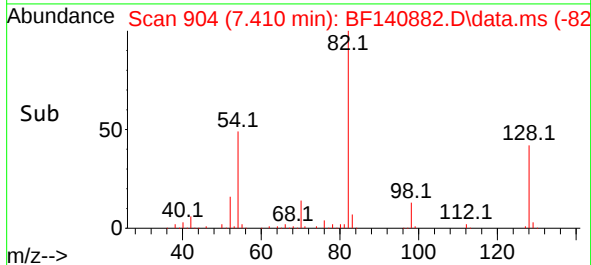
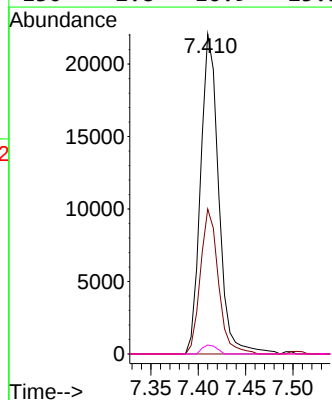
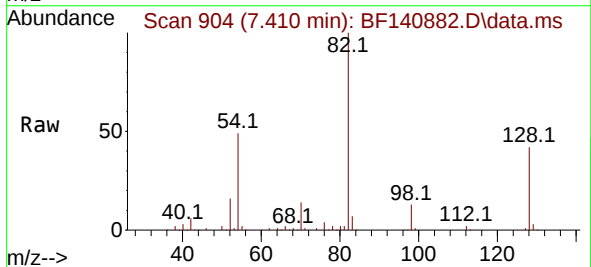
Instrument :
BNA_F
ClientSampleId :
WC-1

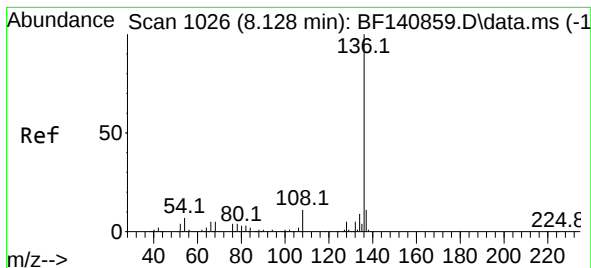
Tgt Ion: 99 Resp: 346512
Ion Ratio Lower Upper
99 100
42 18.0 14.3 21.5
71 37.4 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.121 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

Tgt Ion: 70 Resp: 29487
Ion Ratio Lower Upper
70 100
42 45.3 45.3 67.9
101 0.0 8.0 12.0#
130 2.8 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 184737

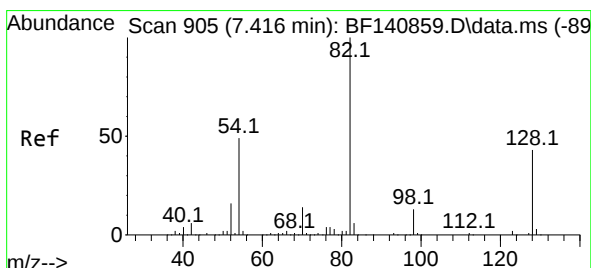
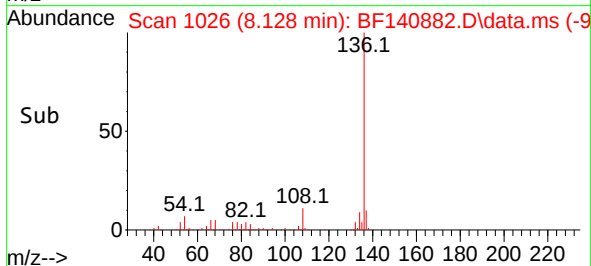
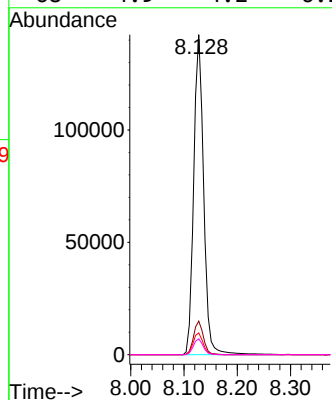
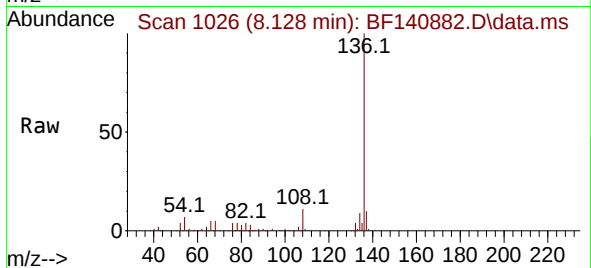
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.8 5.6 8.4

68 4.9 4.2 6.2



#23

Nitrobenzene-d5

Concen: 59.000 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

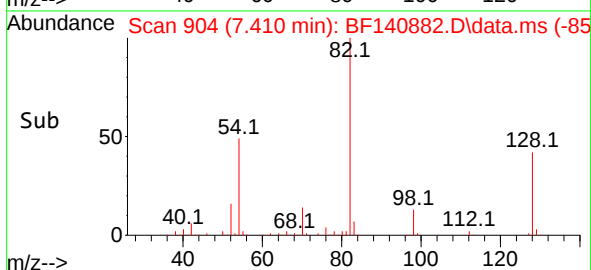
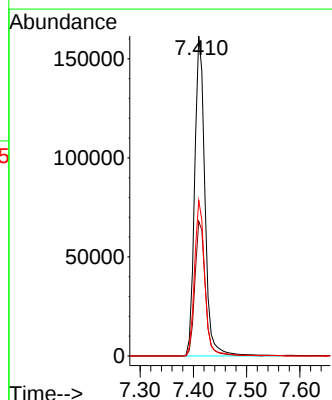
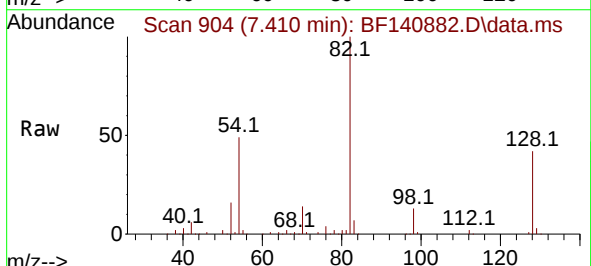
Tgt Ion: 82 Resp: 217854

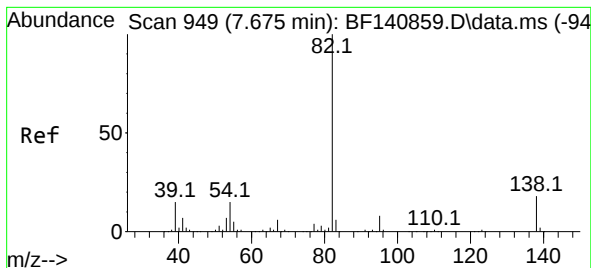
Ion Ratio Lower Upper

82 100

128 42.0 34.4 51.6

54 48.6 38.8 58.2





#25

Isophorone

Concen: 34.768 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.265 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Instrument :

BNA_F

ClientSampleId :

WC-1

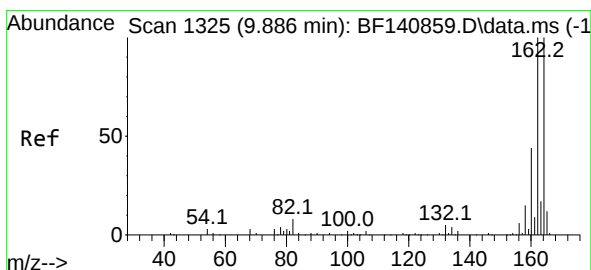
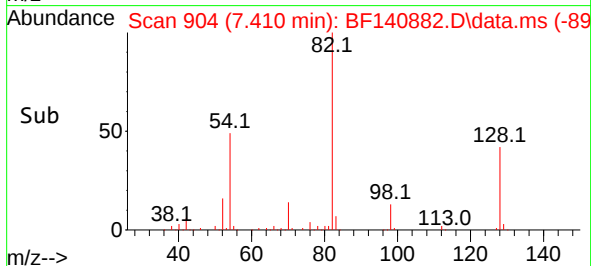
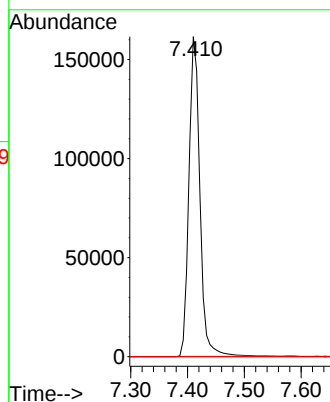
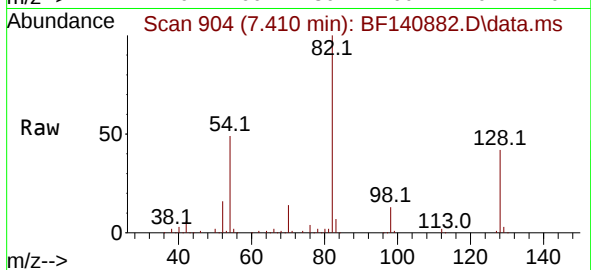
Tgt Ion: 82 Resp: 215108

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

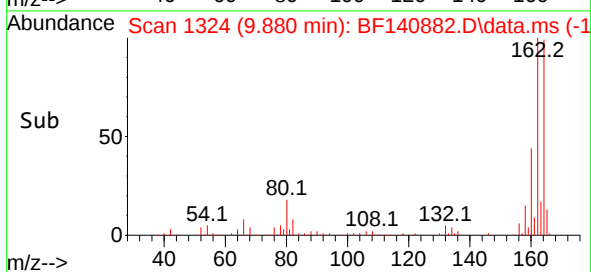
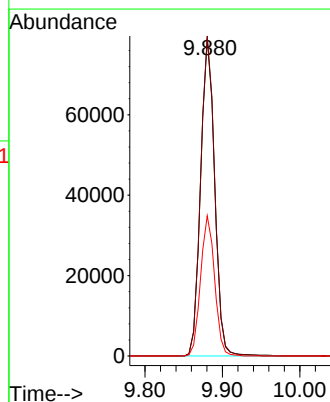
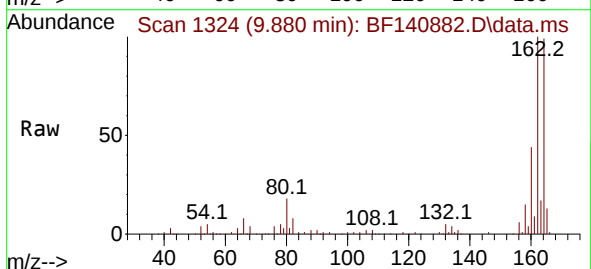
Tgt Ion:164 Resp: 99355

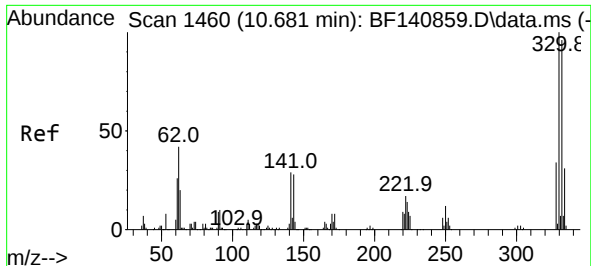
Ion Ratio Lower Upper

164 100

162 100.8 79.9 119.9

160 44.1 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 90.831 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF140882.D

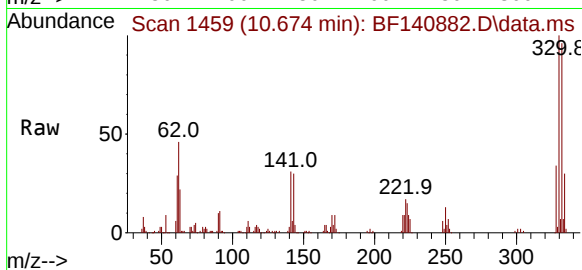
Acq: 17 Dec 2024 13:53

Instrument :

BNA_F

ClientSampleId :

WC-1



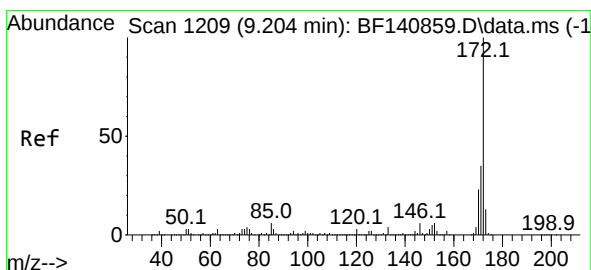
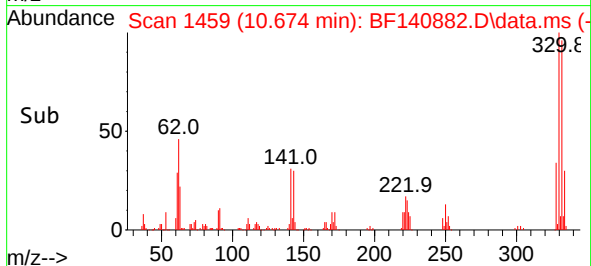
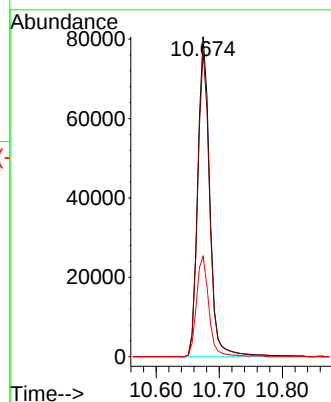
Tgt Ion:330 Resp: 106734

Ion Ratio Lower Upper

330 100

332 95.6 76.2 114.4

141 32.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 59.727 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

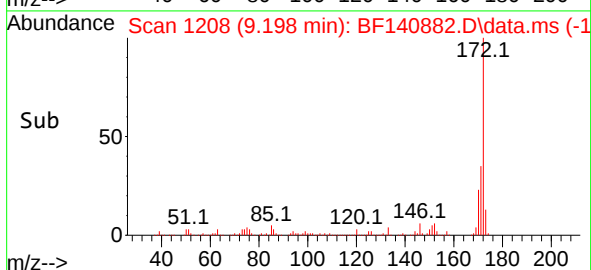
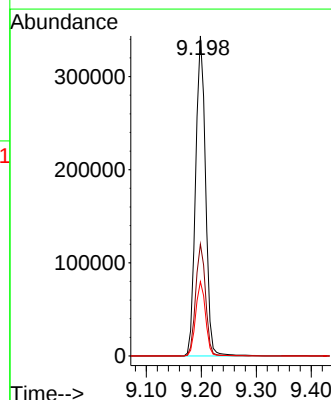
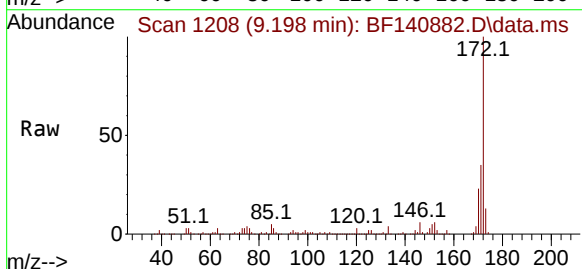
Tgt Ion:172 Resp: 431625

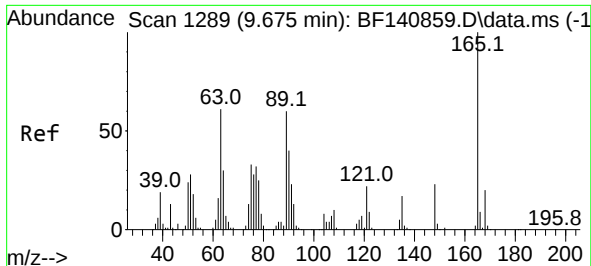
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.2 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 8.110 ng

RT: 9.880 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Instrument :

BNA_F

ClientSampleId :

WC-1

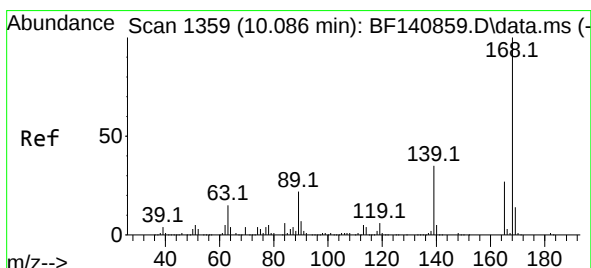
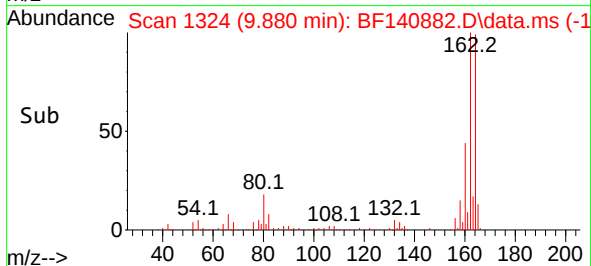
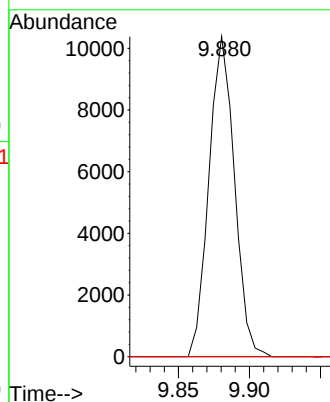
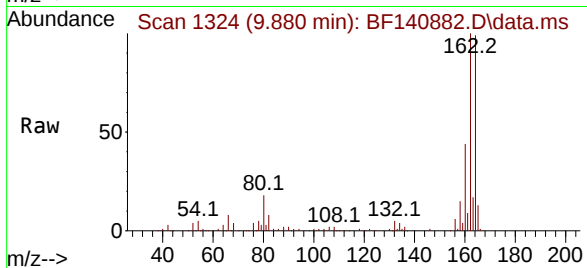
Tgt Ion:165 Resp: 12987

Ion Ratio Lower Upper

165 100

63 0.0 49.7 74.5#

89 0.0 48.2 72.4#



#57

2,4-Dinitrotoluene

Concen: 6.164 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Tgt Ion:165 Resp: 12987

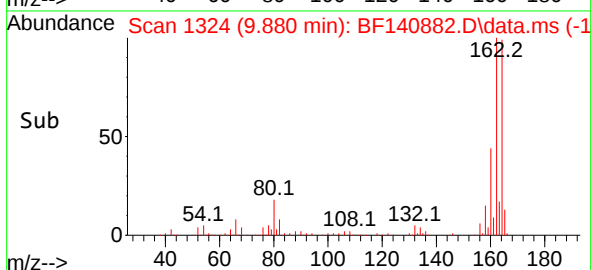
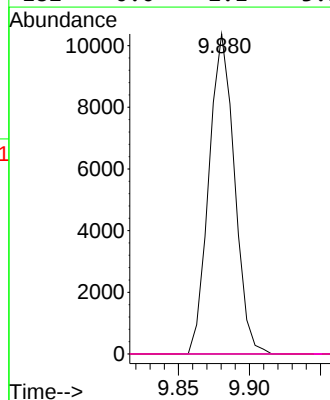
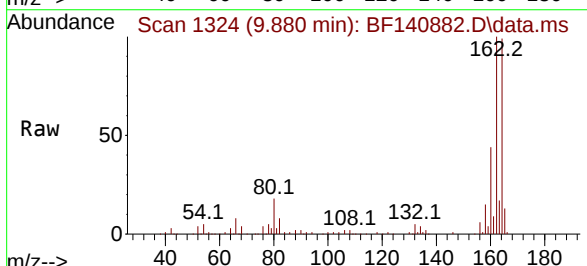
Ion Ratio Lower Upper

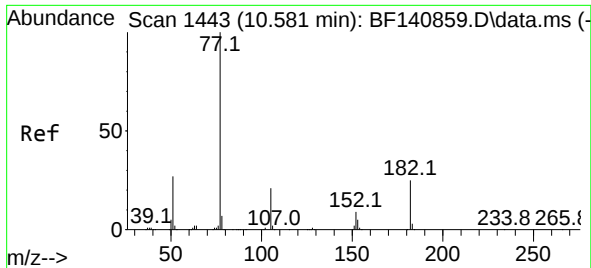
165 100

63 0.0 49.3 73.9#

89 0.0 66.2 99.4#

182 0.0 2.1 3.1#

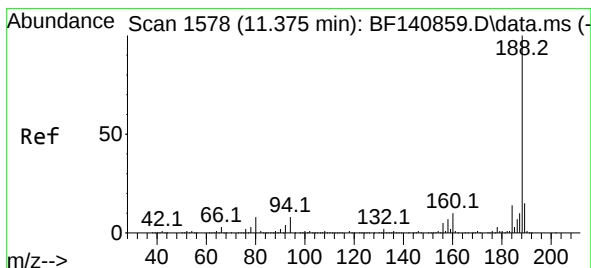
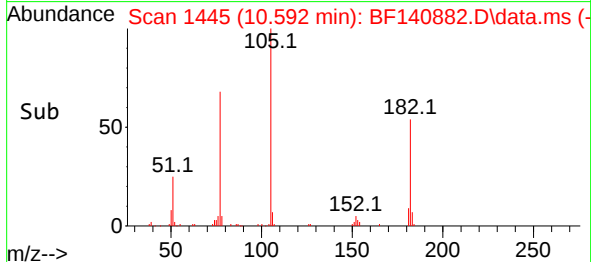
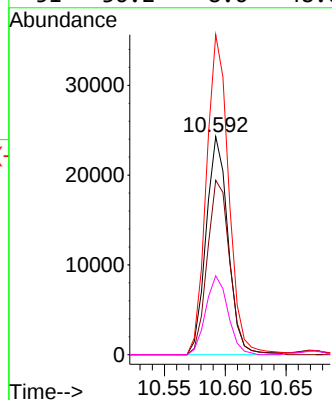
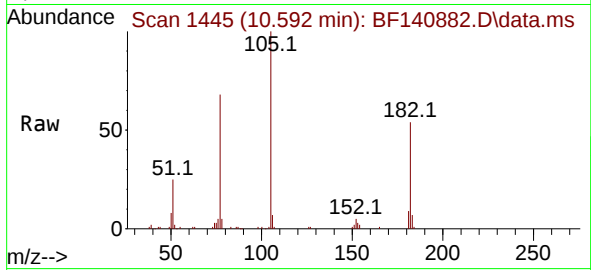




#63
Azobenzene
Concen: 4.479 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

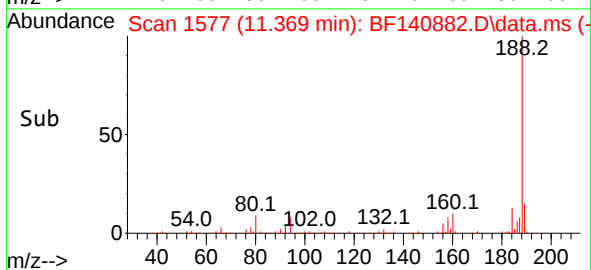
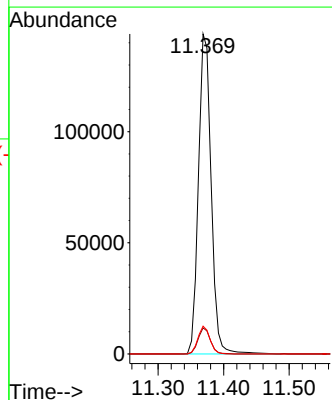
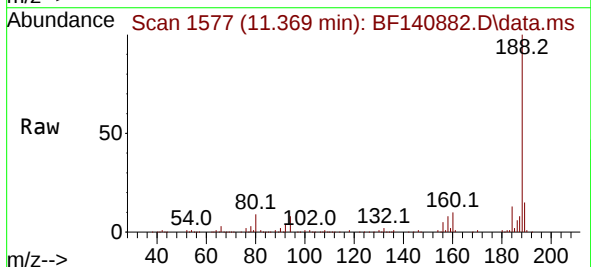
Instrument :
BNA_F
ClientSampleId :
WC-1

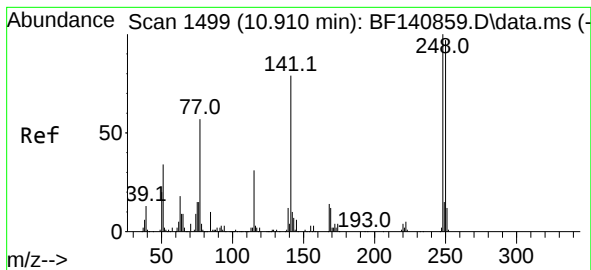
Tgt Ion: 77	Resp: 30584
Ion Ratio	Lower Upper
77 100	
182 79.9	4.5 44.5#
105 146.7	0.9 40.9#
51 36.2	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

Tgt Ion: 188	Resp: 194261
Ion Ratio	Lower Upper
188 100	
94 8.1	6.4 9.6
80 8.7	6.8 10.2

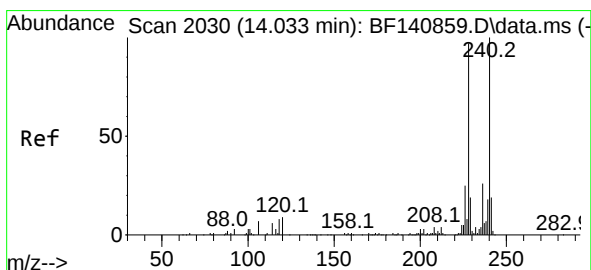
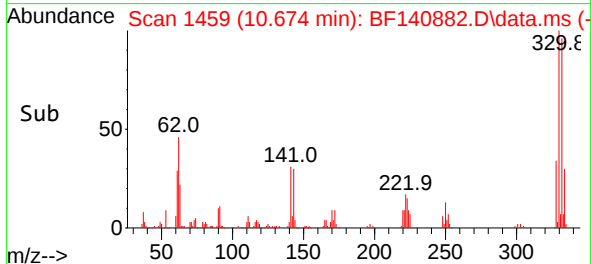
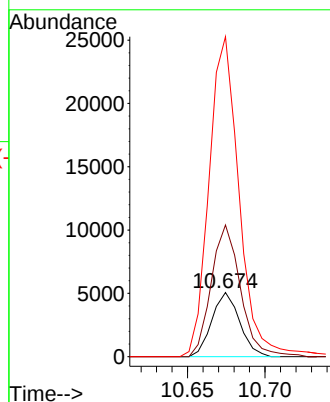
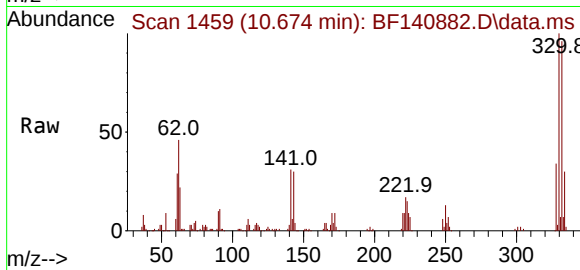




#67
4-Bromophenyl-phenylether
Concen: 2.914 ng
RT: 10.674 min Scan# 1499
Delta R.T. -0.235 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

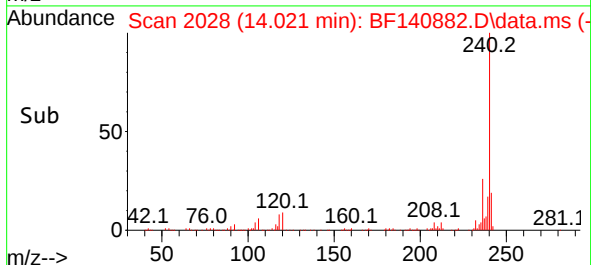
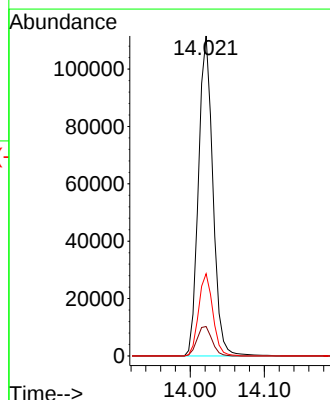
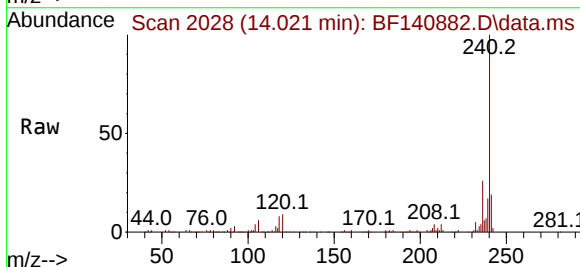
Instrument :
BNA_F
ClientSampleId :
WC-1

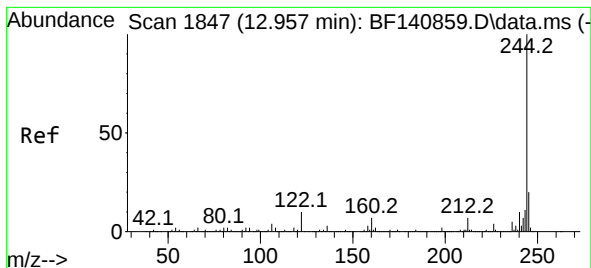
Tgt Ion:248 Resp: 6333
Ion Ratio Lower Upper
248 100
250 205.1 77.4 116.2#
141 498.2 62.9 94.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF140882.D
Acq: 17 Dec 2024 13:53

Tgt Ion:240 Resp: 150309
Ion Ratio Lower Upper
240 100
120 9.2 7.6 11.4
236 25.7 20.5 30.7





#79

Terphenyl-d14

Concen: 49.787 ng

RT: 12.951 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Instrument :

BNA_F

ClientSampleId :

WC-1

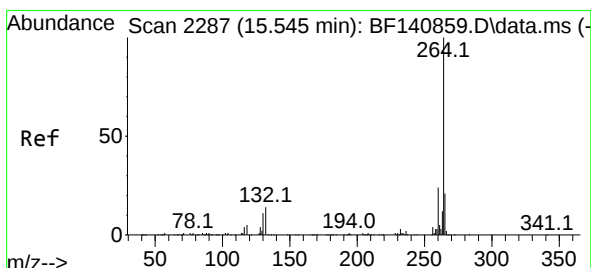
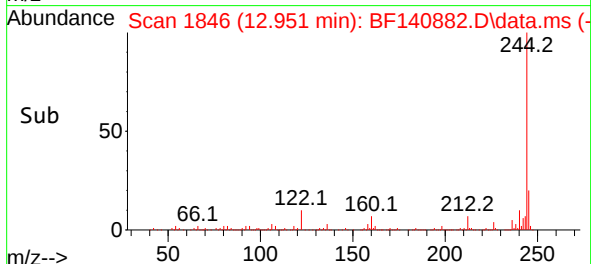
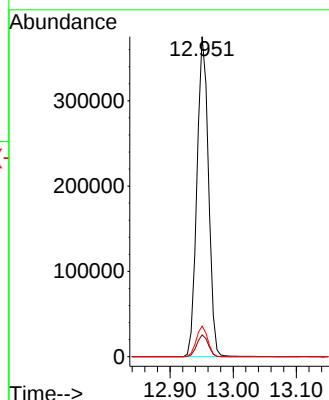
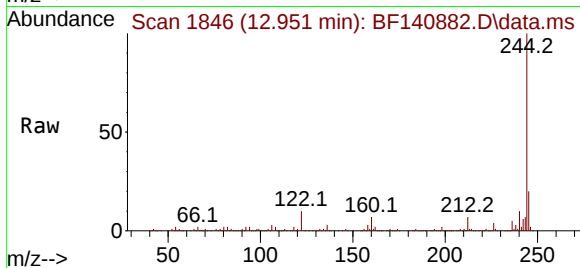
Tgt Ion:244 Resp: 474577

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 9.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.035 min

Lab File: BF140882.D

Acq: 17 Dec 2024 13:53

Tgt Ion:264 Resp: 161903

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 21.9 17.0 25.4

