

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140422.D
 Acq On : 16 Nov 2024 11:53
 Operator : RC/JU
 Sample : P4823-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4

Quant Time: Nov 18 00:05:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

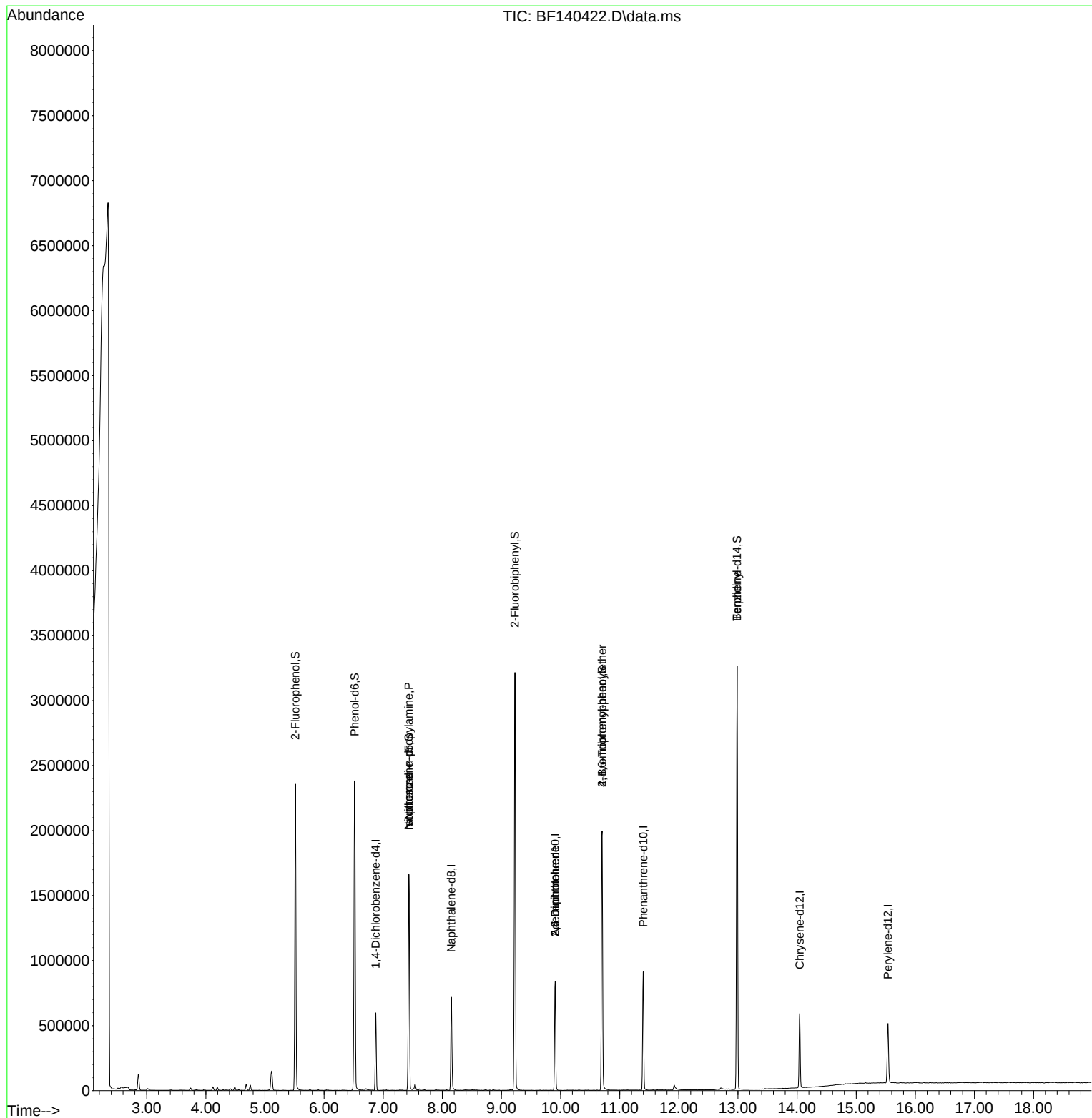
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121528	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	464670	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	255128	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	489722	20.000	ng	0.00
76) Chrysene-d12	14.045	240	274607	20.000	ng	0.00
86) Perylene-d12	15.539	264	280312	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	885319	124.381	ng	0.02
7) Phenol-d6	6.516	99	1165405	120.849	ng	0.01
23) Nitrobenzene-d5	7.433	82	779450	87.399	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	360797	142.211	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1420232	89.488	ng	0.00
79) Terphenyl-d14	12.986	244	1597837	100.999	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.433	70	104691	17.975	ng	# 78
25) Isophorone	7.433	82	773861	48.960	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	33777	8.910	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	33777	6.770	ng	# 20
67) 4-Bromophenyl-phenylether	10.704	248	23733	4.848	ng	# 1
77) Benzidine	12.986	184	22117	2.098	ng	# 92

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

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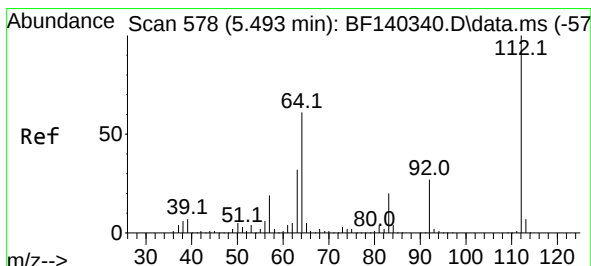
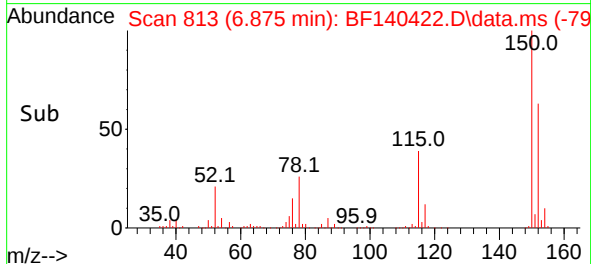
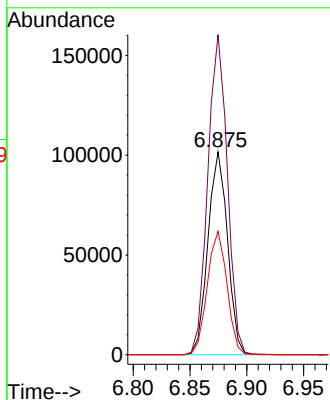
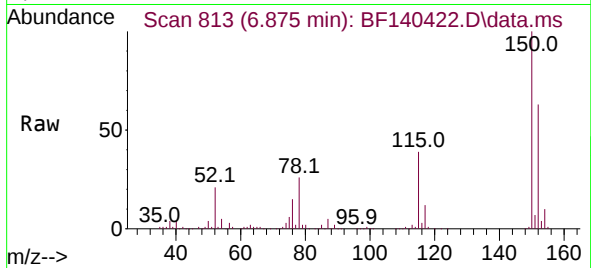




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

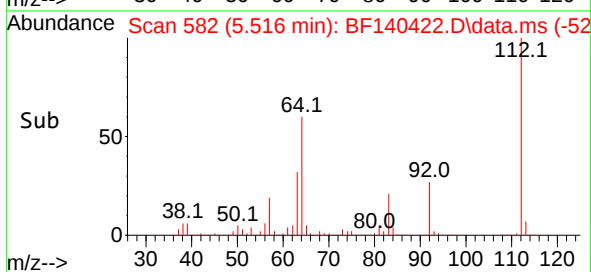
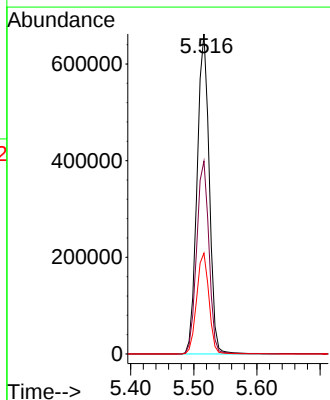
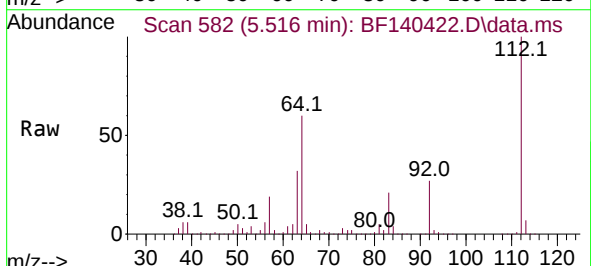
Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:152 Resp: 121528
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 60.9 47.4 71.2



#5
2-Fluorophenol
Concen: 124.381 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.023 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Tgt Ion:112 Resp: 885319
Ion Ratio Lower Upper
112 100
64 60.3 49.2 73.8
63 31.5 25.6 38.4

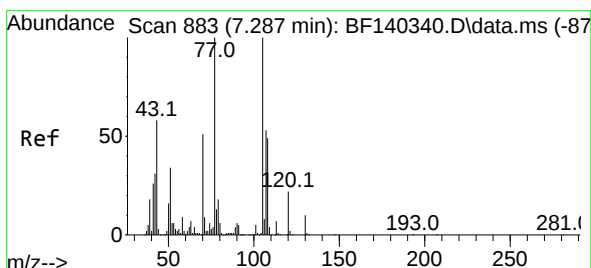
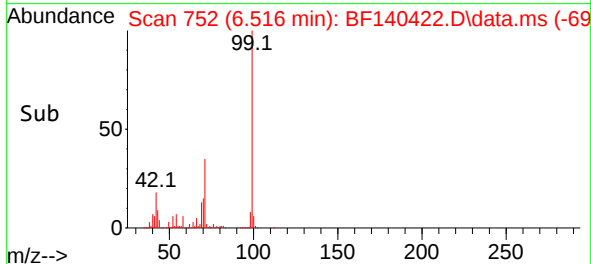
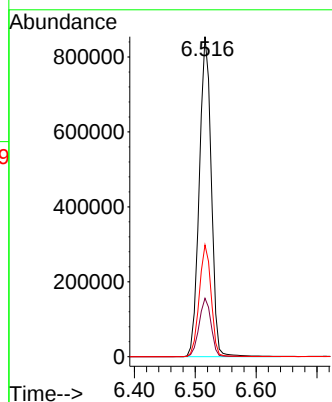
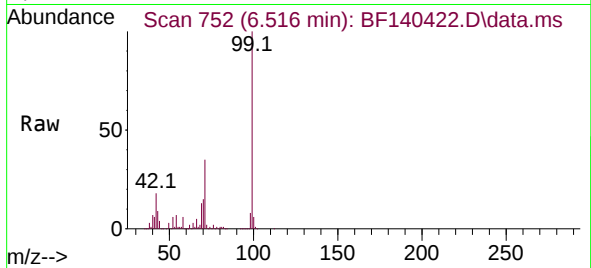




#7
Phenol-d6
Concen: 120.849 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

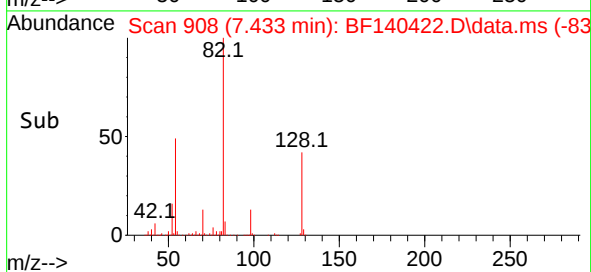
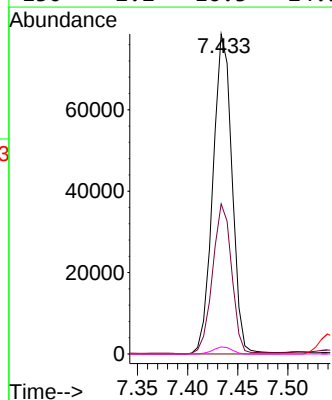
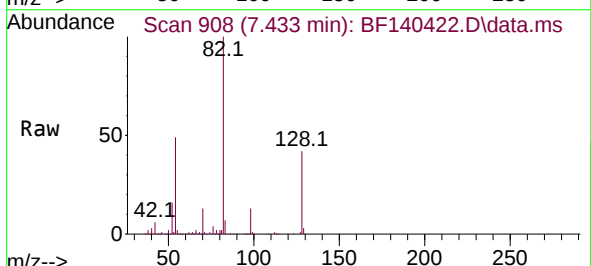
Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion: 99 Resp: 1165405
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 34.9 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.975 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Tgt Ion: 70 Resp: 104691
Ion Ratio Lower Upper
70 100
42 46.9 46.8 70.2
101 0.0 7.5 11.3#
130 2.2 16.3 24.5#



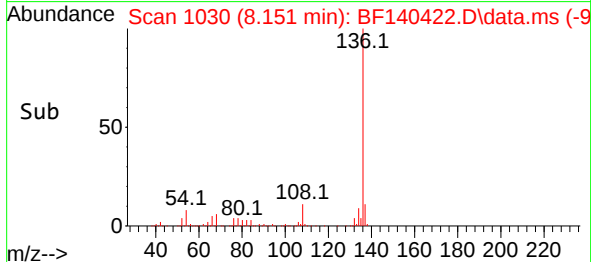
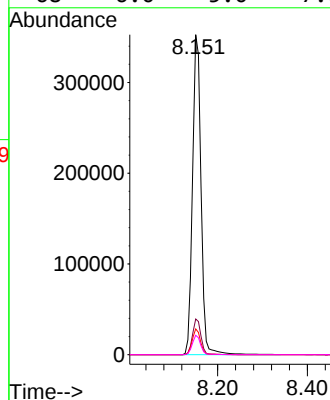
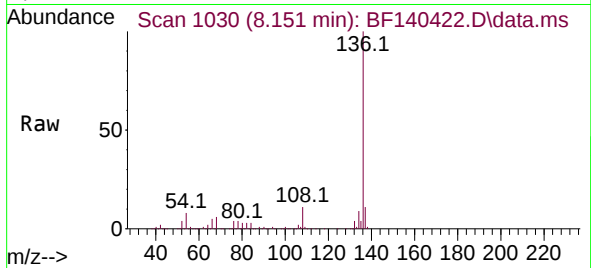


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:136 Resp: 464670

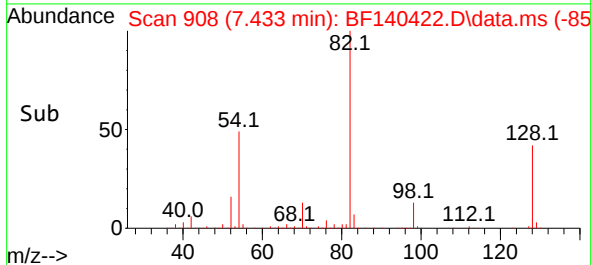
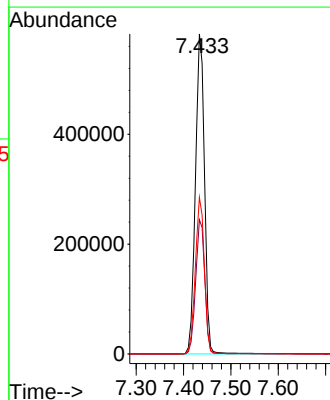
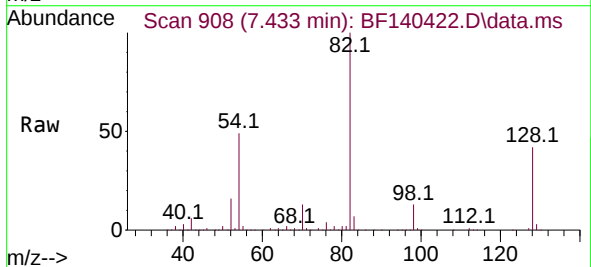
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.0	6.5	9.7
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 87.399 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Tgt Ion: 82 Resp: 779450

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.3	49.9
54	49.0	39.8	59.8

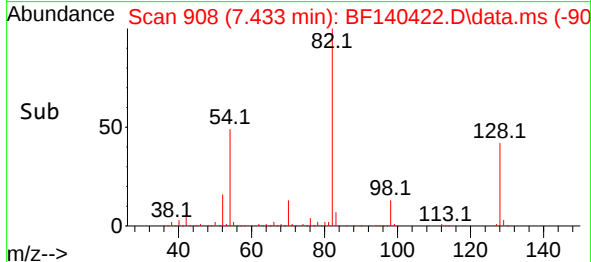
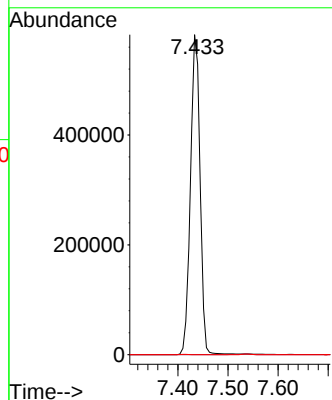
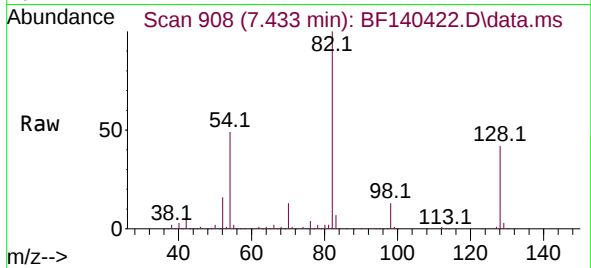




#25
Isophorone
Concen: 48.960 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

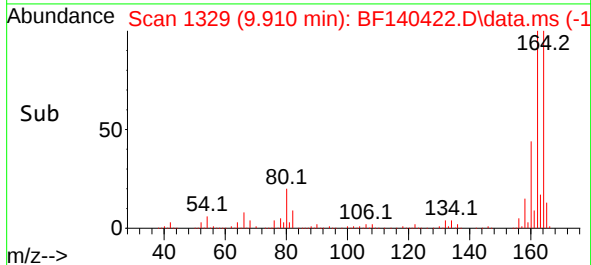
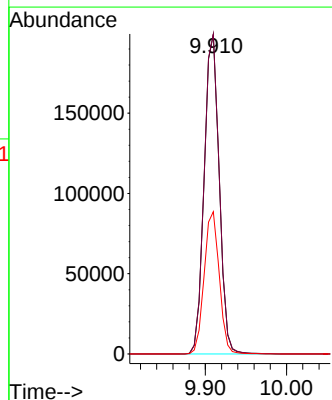
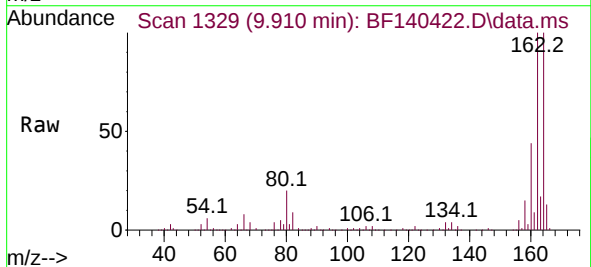
Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion: 82 Resp: 773861
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Tgt Ion: 164 Resp: 255128
Ion Ratio Lower Upper
164 100
162 100.3 79.8 119.8
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 142.211 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

Instrument :

BNA_F

ClientSampleId :

MH-4

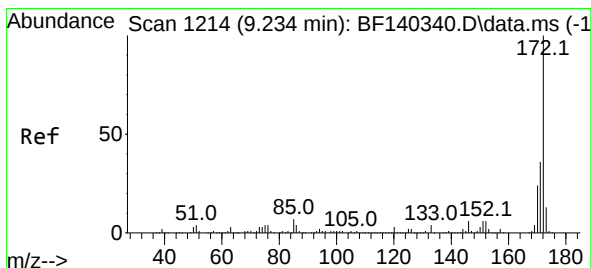
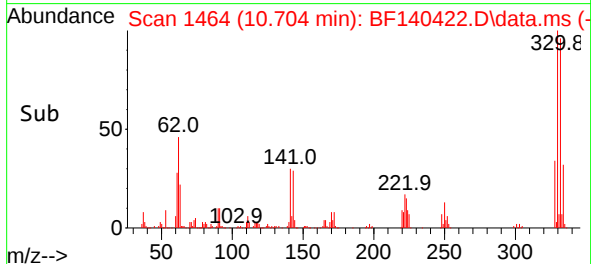
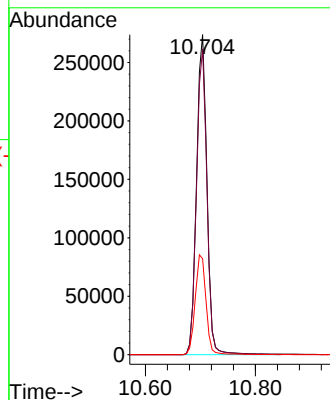
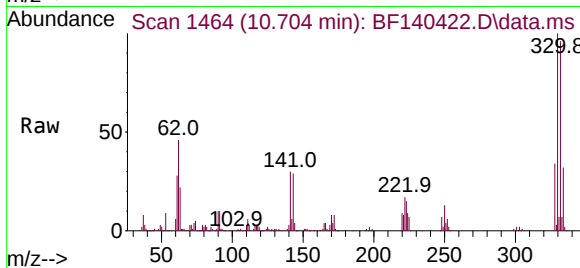
Tgt Ion:330 Resp: 360797

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

141 32.5 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 89.488 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

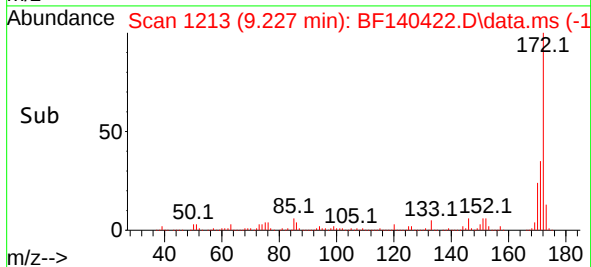
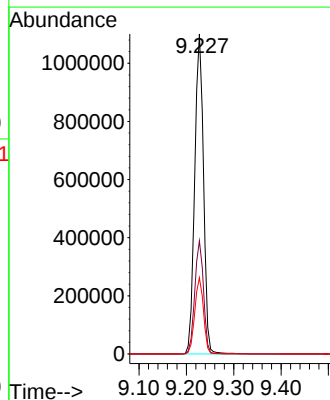
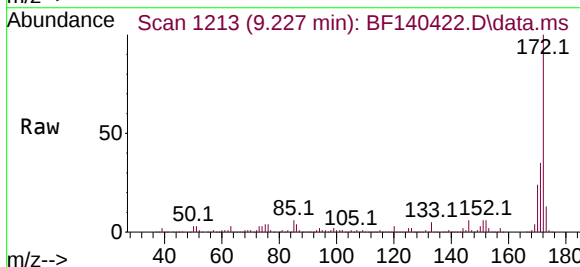
Tgt Ion:172 Resp: 1420232

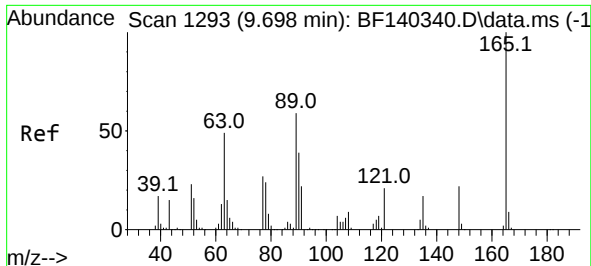
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.8 19.1 28.7

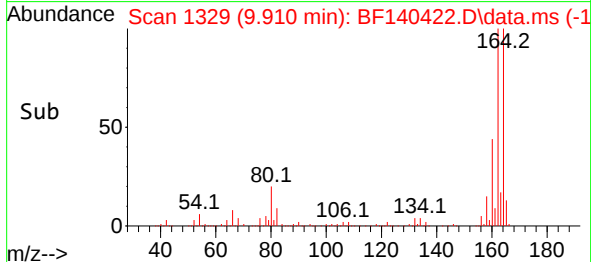
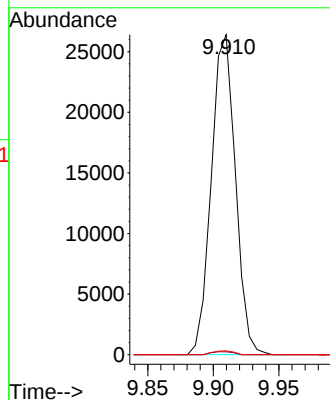
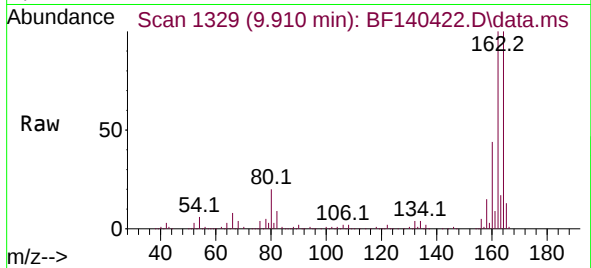




#51
2,6-Dinitrotoluene
Concen: 8.910 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

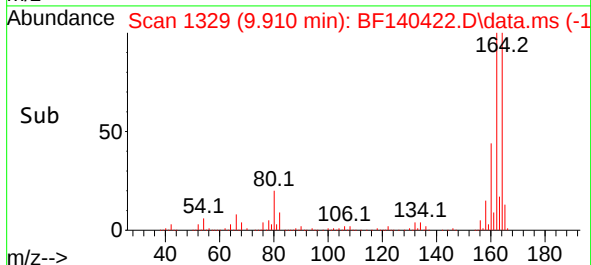
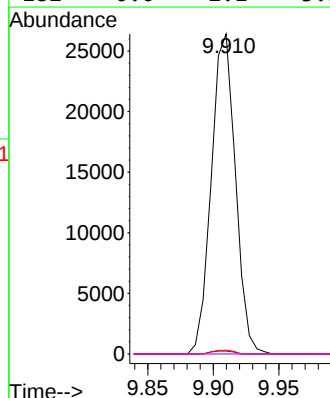
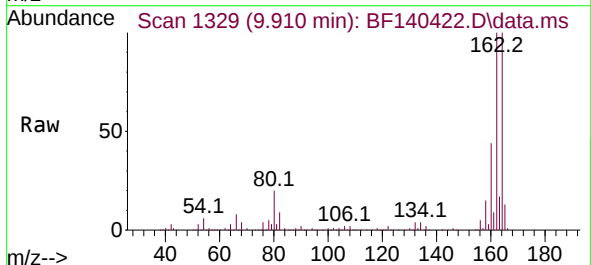
Instrument :
BNA_F
ClientSampleId :
MH-4

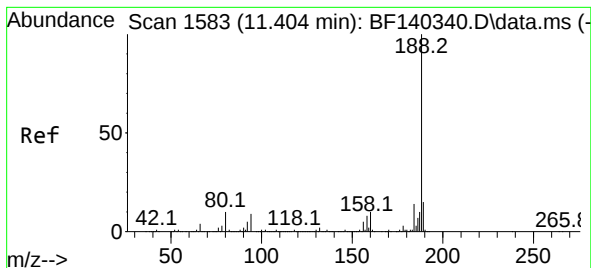
Tgt Ion:165 Resp: 33777
Ion Ratio Lower Upper
165 100
63 0.9 47.6 71.4#
89 1.2 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.770 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140422.D
Acq: 16 Nov 2024 11:53

Tgt Ion:165 Resp: 33777
Ion Ratio Lower Upper
165 100
63 0.9 39.4 59.0#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

Instrument :

BNA_F

ClientSampleId :

MH-4

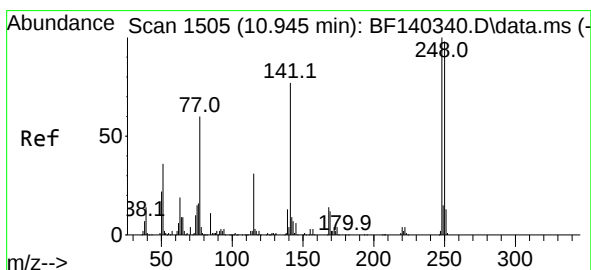
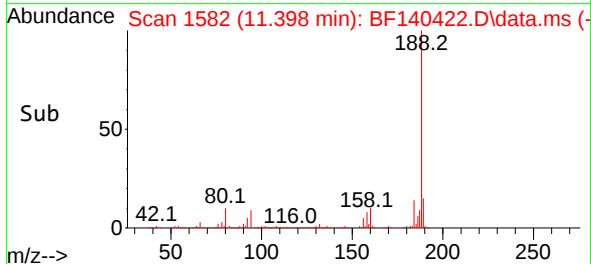
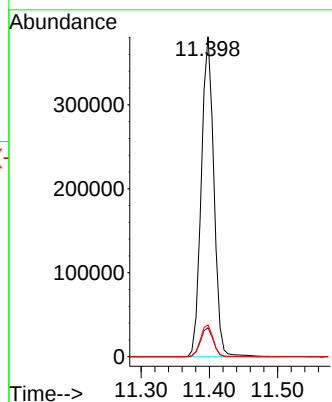
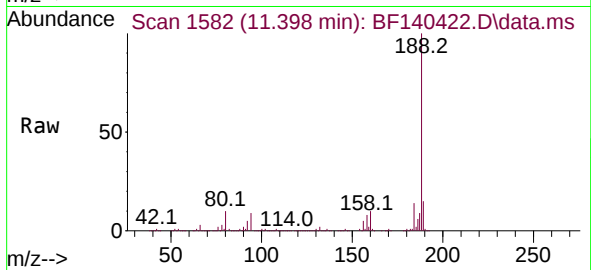
Tgt Ion:188 Resp: 489722

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 10.0 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.848 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

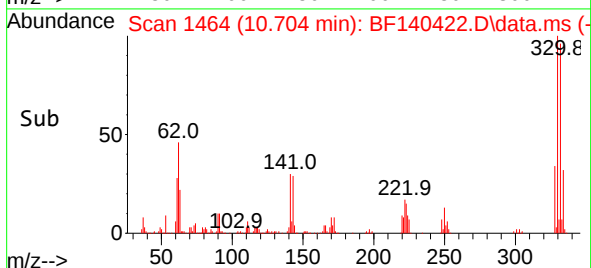
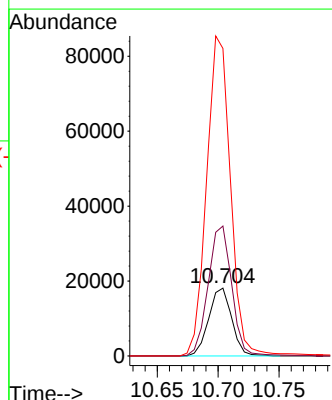
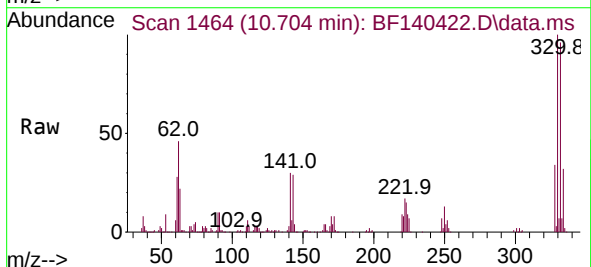
Tgt Ion:248 Resp: 23733

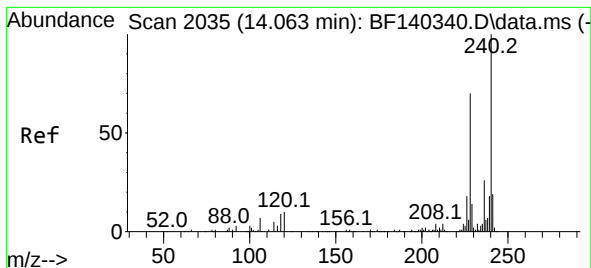
Ion Ratio Lower Upper

248 100

250 191.7 77.9 116.9#

141 453.7 61.8 92.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

Instrument :

BNA_F

ClientSampleId :

MH-4

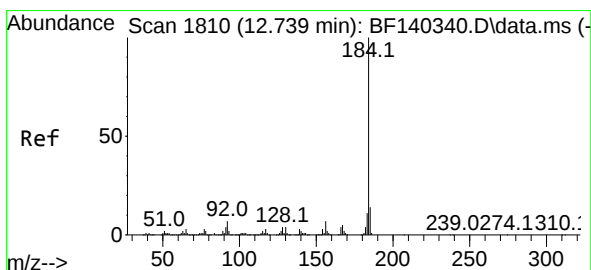
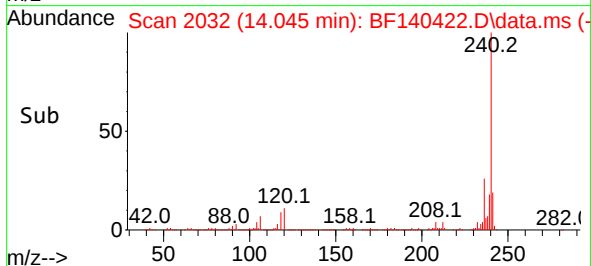
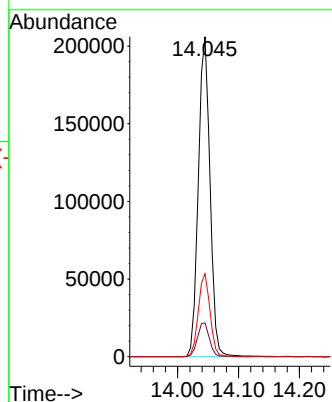
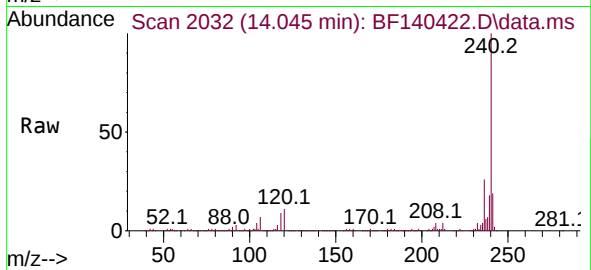
Tgt Ion:240 Resp: 274607

Ion Ratio Lower Upper

240 100

120 10.5 8.8 13.2

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.098 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF140422.D

Acq: 16 Nov 2024 11:53

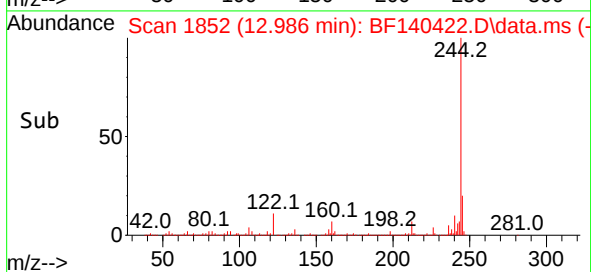
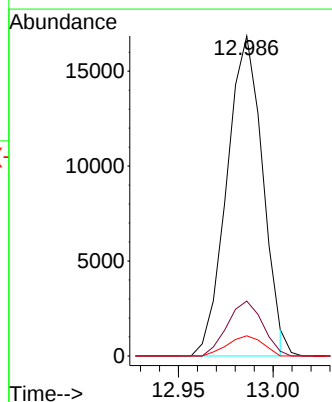
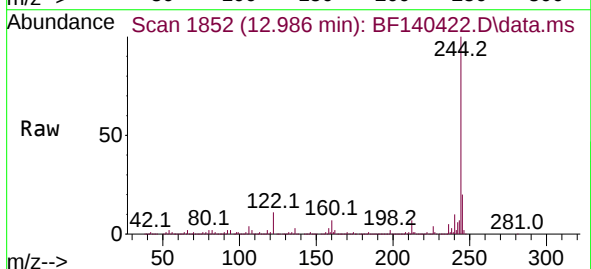
Tgt Ion:184 Resp: 22117

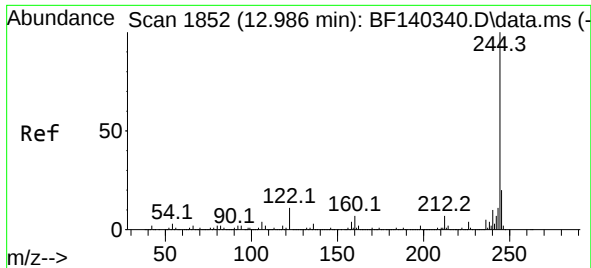
Ion Ratio Lower Upper

184 100

185 17.2 11.9 17.9

183 6.3 8.6 13.0#

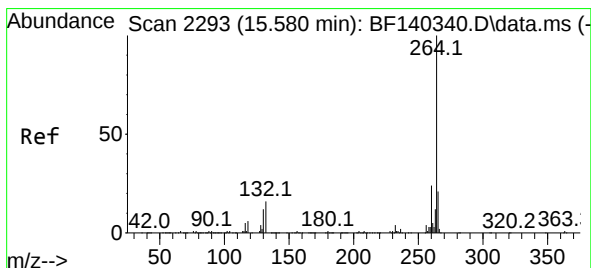
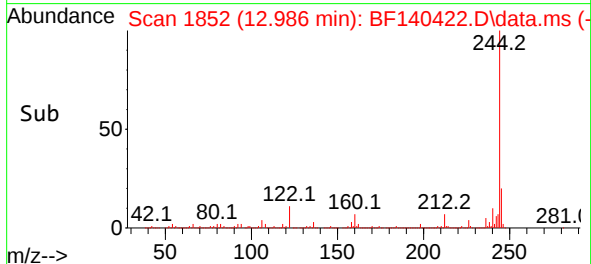
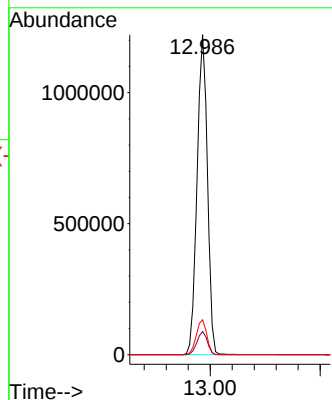
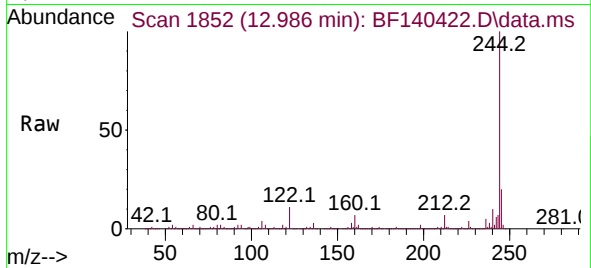




#79
 Terphenyl-d14
 Concen: 100.999 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF140422.D
 Acq: 16 Nov 2024 11:53

Instrument :
 BNA_F
 ClientSampleId :
 MH-4

Tgt Ion:244 Resp: 1597837
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.9 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2286
 Delta R.T. -0.018 min
 Lab File: BF140422.D
 Acq: 16 Nov 2024 11:53

Tgt Ion:264 Resp: 280312
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.8 17.1 25.7

