

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140406.D
 Acq On : 15 Nov 2024 16:21
 Operator : RC/JU
 Sample : P4809-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-5

Quant Time: Nov 15 17:11:43 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)

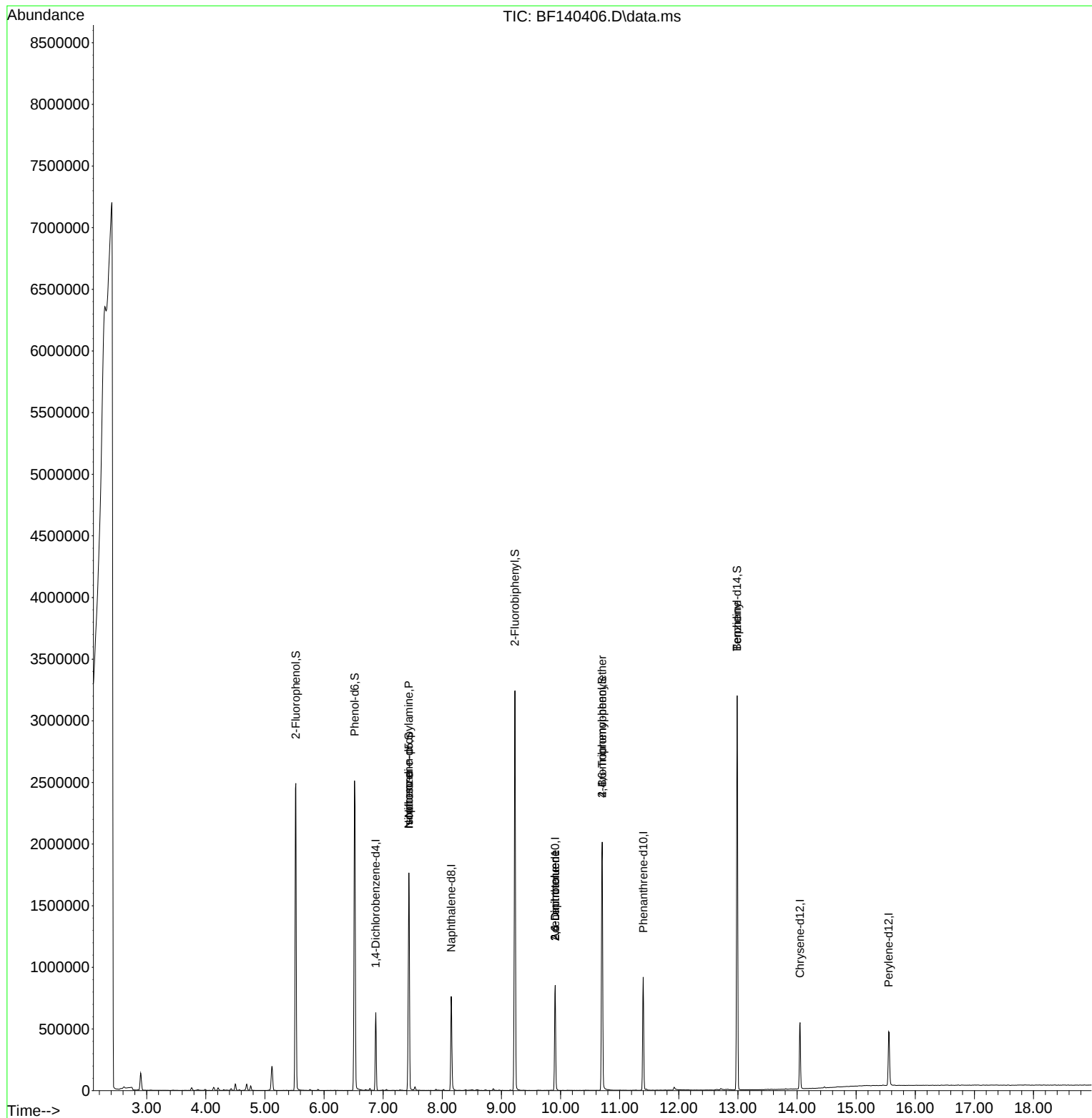
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130831	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	492550	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	266760	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	485244	20.000	ng	0.00
76) Chrysene-d12	14.051	240	267305	20.000	ng	0.00
86) Perylene-d12	15.551	264	269169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	967975	126.324	ng	0.03
7) Phenol-d6	6.516	99	1250661	120.468	ng	0.01
23) Nitrobenzene-d5	7.434	82	847504	89.650	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	357857	134.902	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1466196	88.356	ng	0.00
79) Terphenyl-d14	12.986	244	1559853	101.292	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	113999	18.181	ng	# 78
25) Isophorone	7.434	82	838680	50.057	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	33285	8.397	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	33285	6.380	ng	# 20
67) 4-Bromophenyl-phenylether	10.704	248	23596	4.865	ng	# 1
77) Benzidine	12.986	184	20843	2.032	ng	# 93

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

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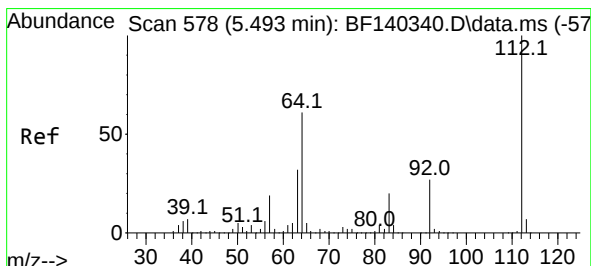
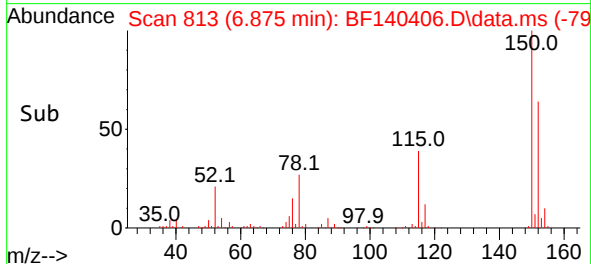
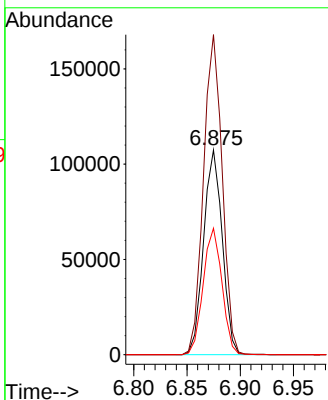
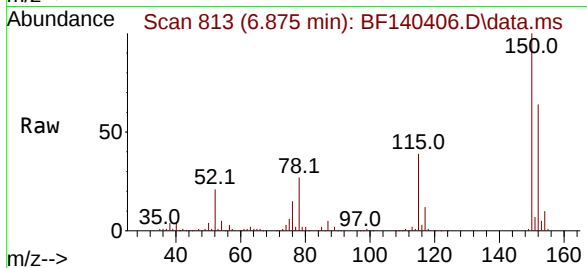




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

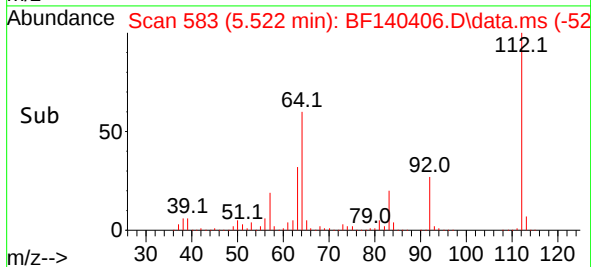
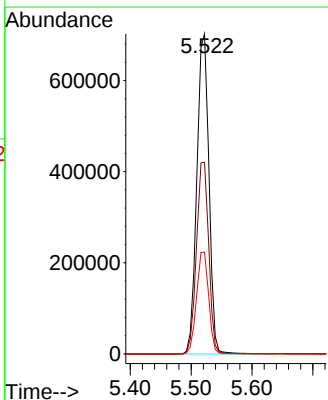
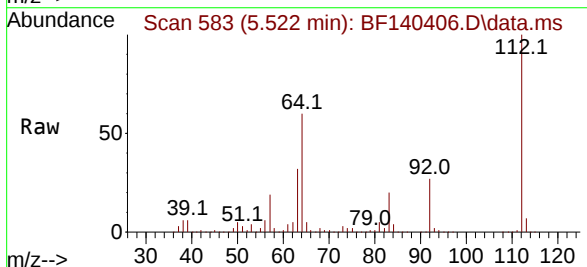
Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion:152 Resp: 130831
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 61.7 47.4 71.2



#5
2-Fluorophenol
Concen: 126.324 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.029 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion:112 Resp: 967975
Ion Ratio Lower Upper
112 100
64 59.9 49.2 73.8
63 31.8 25.6 38.4

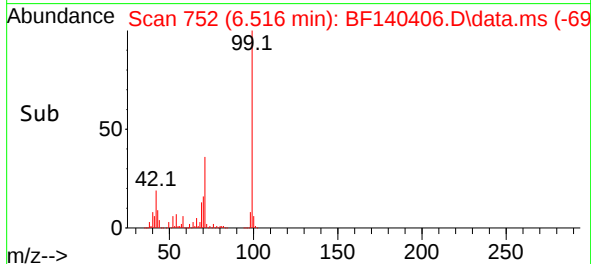
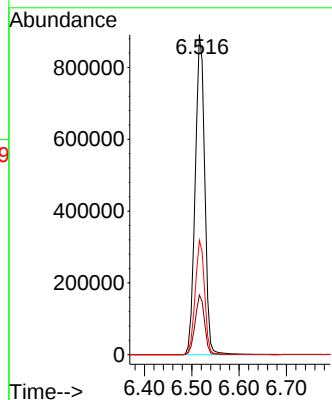
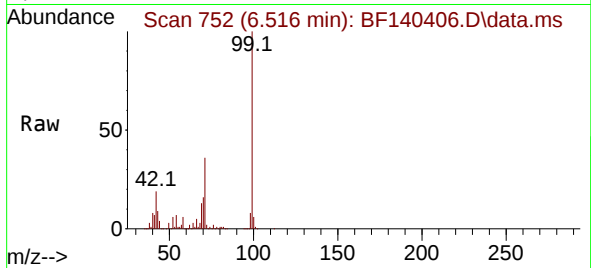




#7
Phenol-d6
Concen: 120.468 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

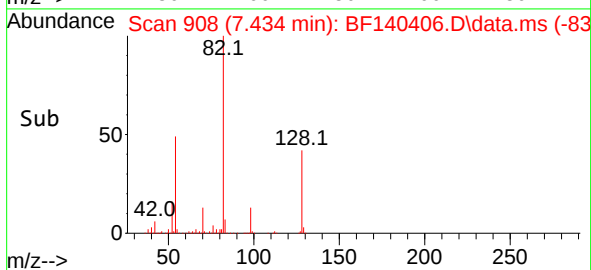
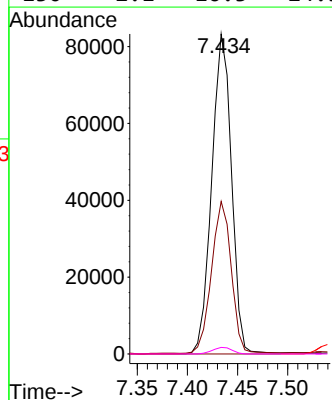
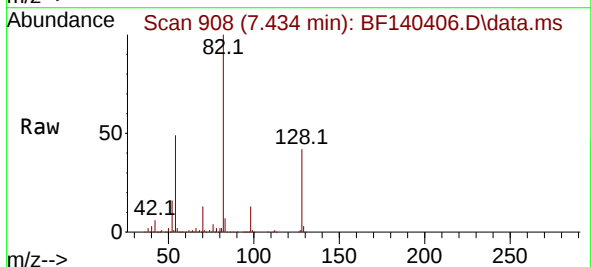
Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion: 99 Resp: 1250661
Ion Ratio Lower Upper
99 100
42 18.7 15.1 22.7
71 35.7 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.181 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion: 70 Resp: 113999
Ion Ratio Lower Upper
70 100
42 47.6 46.8 70.2
101 0.0 7.5 11.3#
130 2.1 16.3 24.5#



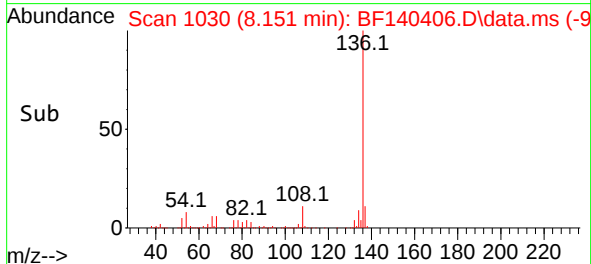
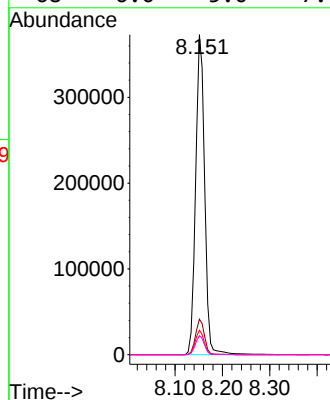
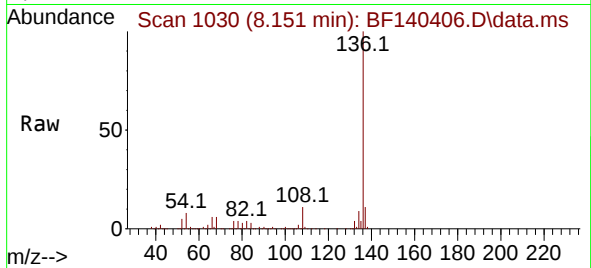


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion:136 Resp: 492550

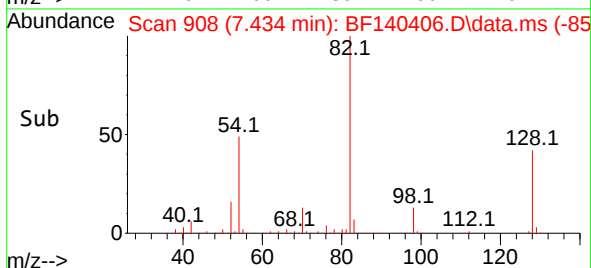
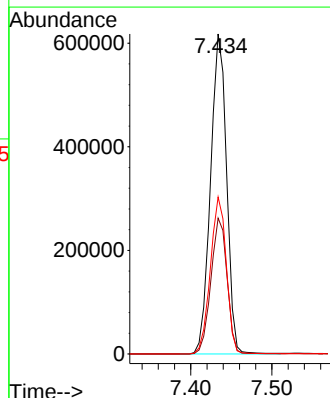
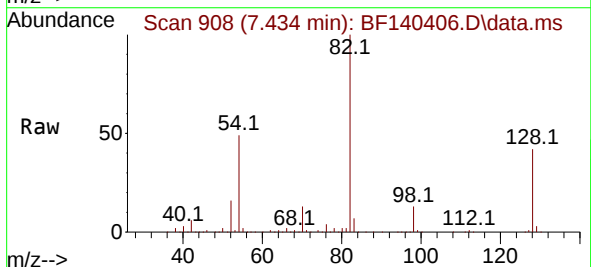
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.6	6.5	9.7
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 89.650 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion: 82 Resp: 847504

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	49.1	39.8	59.8

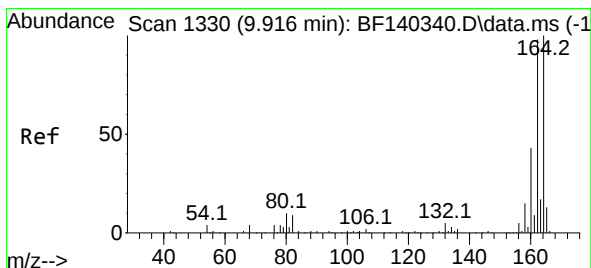
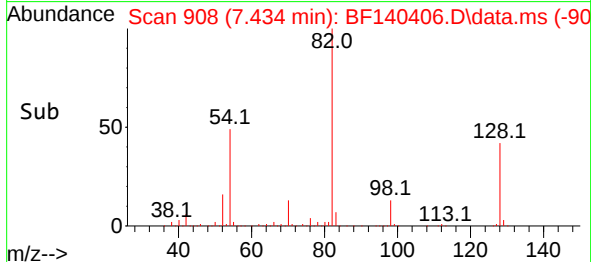
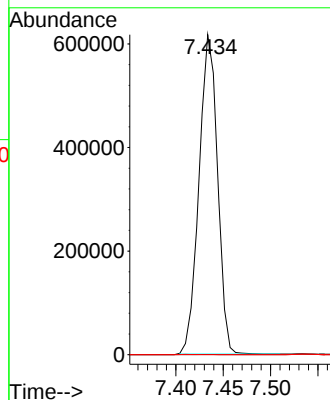
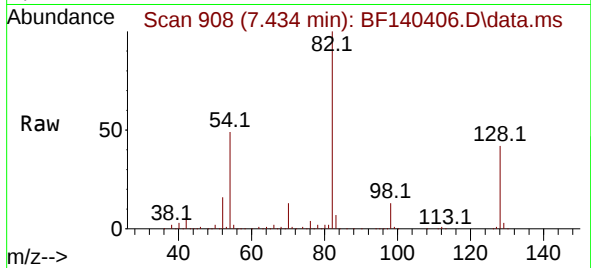




#25
Isophorone
Concen: 50.057 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

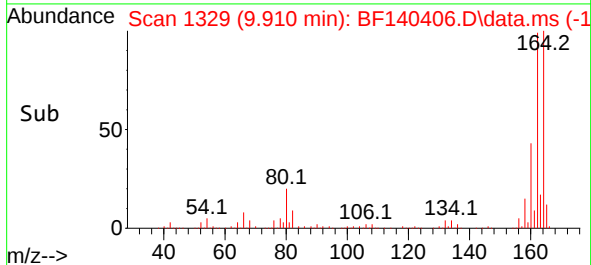
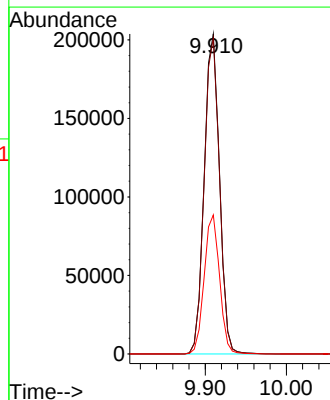
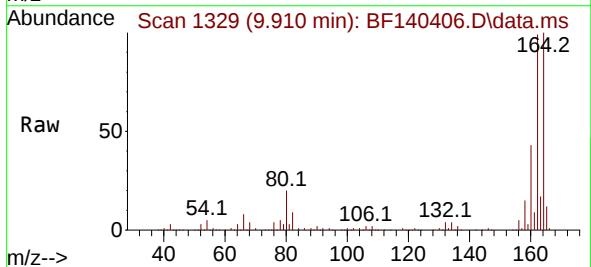
Instrument :
BNA_F
ClientSampleId :
MH-5

Tgt Ion: 82 Resp: 838680
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: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion:164 Resp: 266760
Ion Ratio Lower Upper
164 100
162 98.7 79.8 119.8
160 43.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 134.902 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140406.D

Acq: 15 Nov 2024 16:21

Instrument :

BNA_F

ClientSampleId :

MH-5

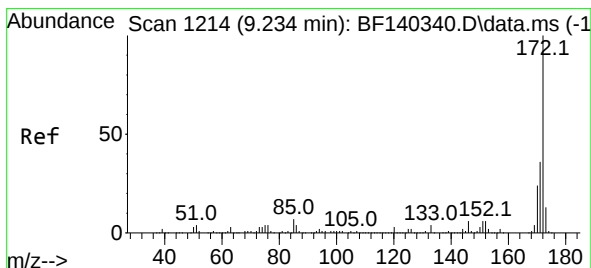
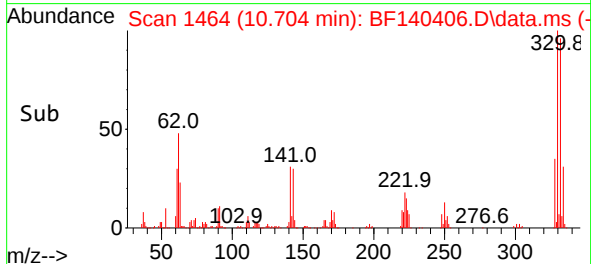
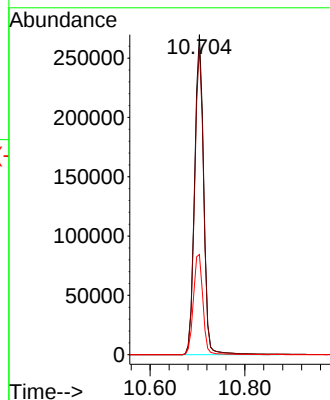
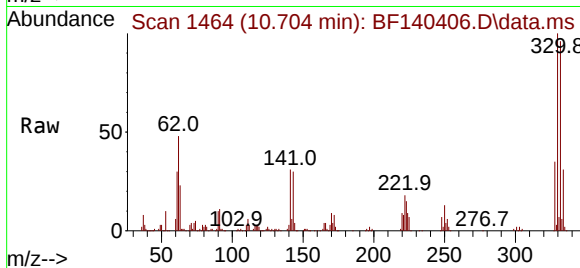
Tgt Ion:330 Resp: 357857

Ion Ratio Lower Upper

330 100

332 95.9 75.9 113.9

141 32.9 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 88.356 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140406.D

Acq: 15 Nov 2024 16:21

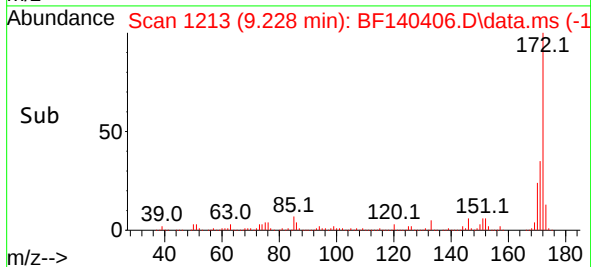
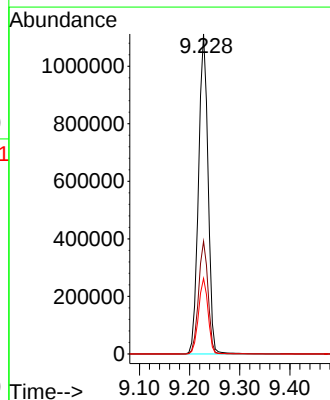
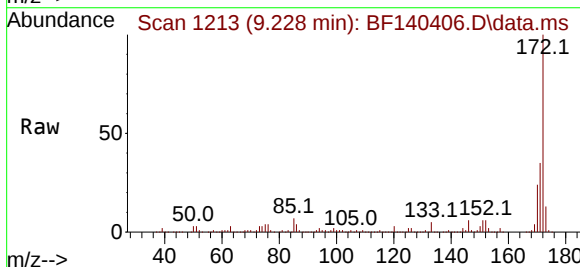
Tgt Ion:172 Resp: 1466196

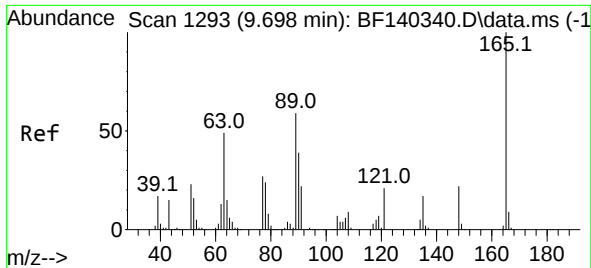
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.6 19.1 28.7

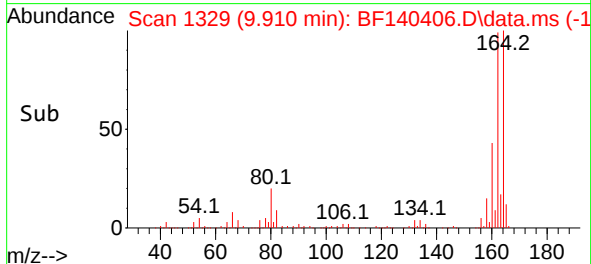
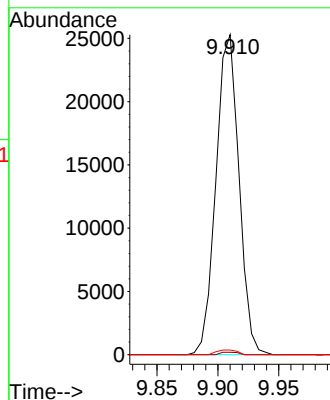
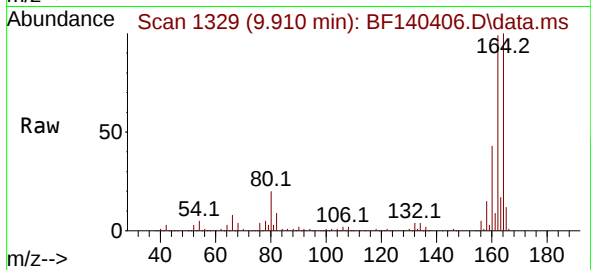




#51
2,6-Dinitrotoluene
Concen: 8.397 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

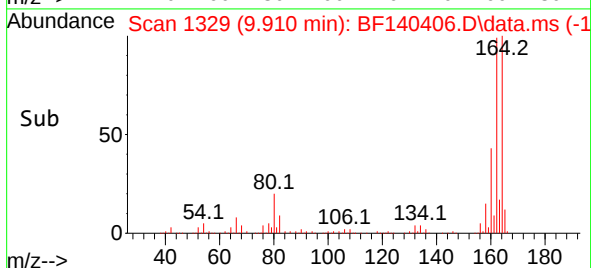
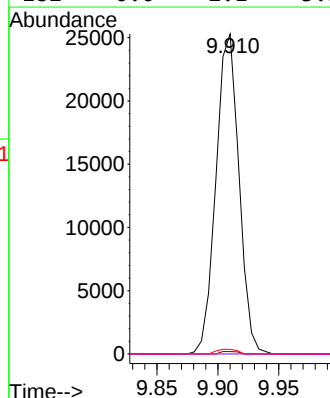
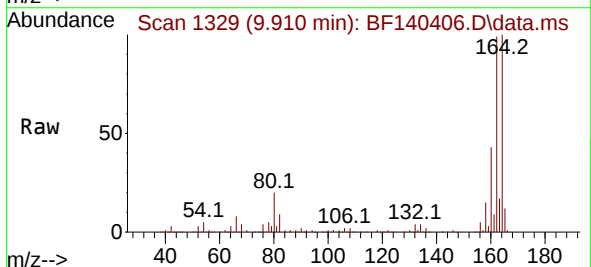
Instrument :
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MH-5

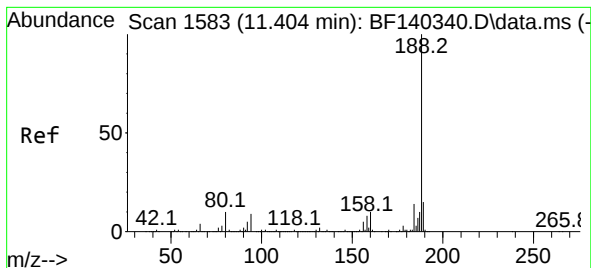
Tgt Ion:165 Resp: 33285
Ion Ratio Lower Upper
165 100
63 0.8 47.6 71.4#
89 1.5 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.380 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion:165 Resp: 33285
Ion Ratio Lower Upper
165 100
63 0.8 39.4 59.0#
89 1.5 62.4 93.6#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140406.D

Acq: 15 Nov 2024 16:21

Instrument :

BNA_F

ClientSampleId :

MH-5

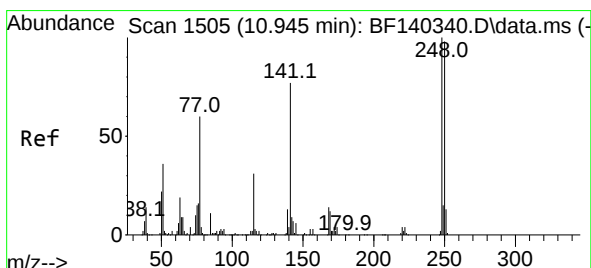
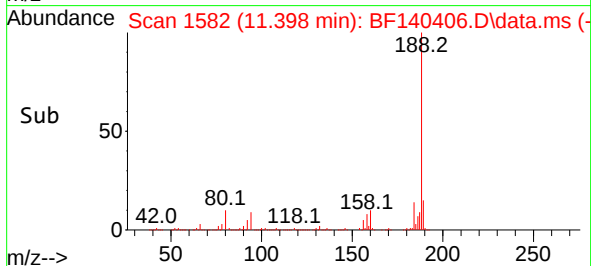
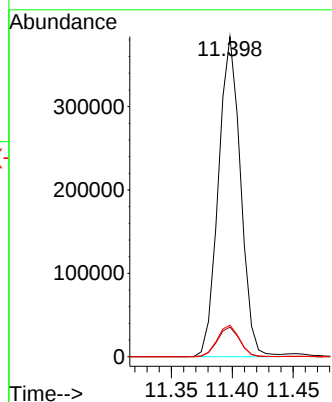
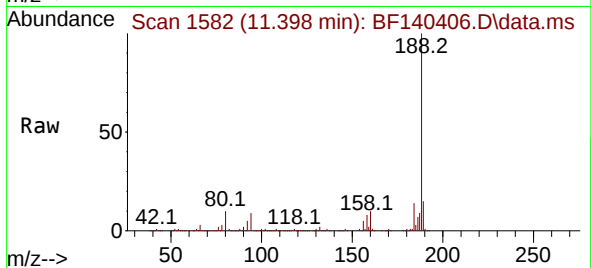
Tgt Ion:188 Resp: 485244

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.9 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.865 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140406.D

Acq: 15 Nov 2024 16:21

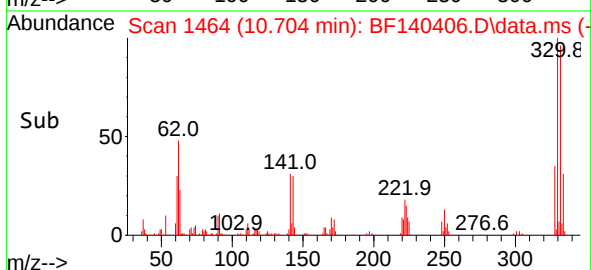
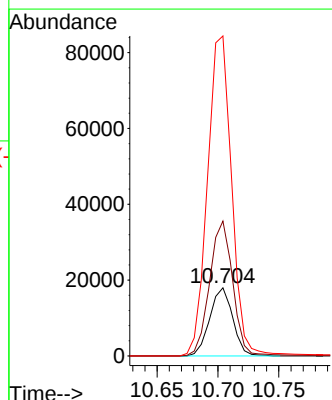
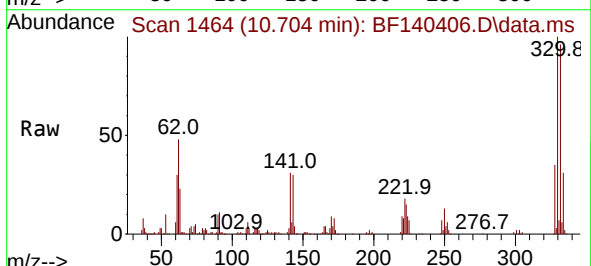
Tgt Ion:248 Resp: 23596

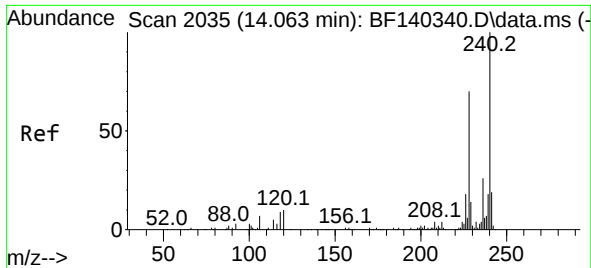
Ion Ratio Lower Upper

248 100

250 197.8 77.9 116.9#

141 469.3 61.8 92.6#

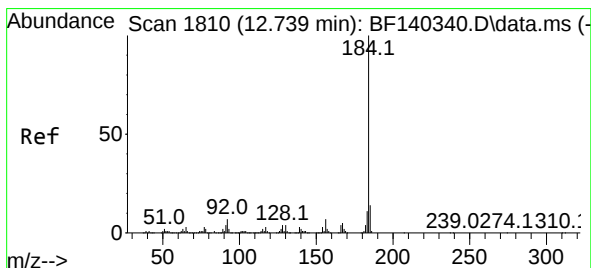
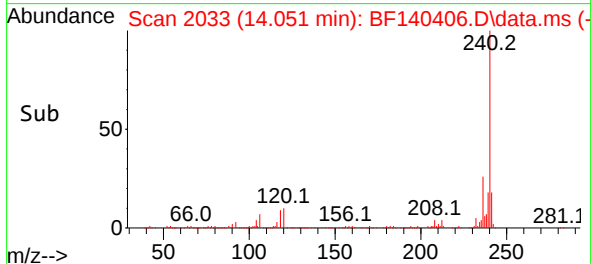
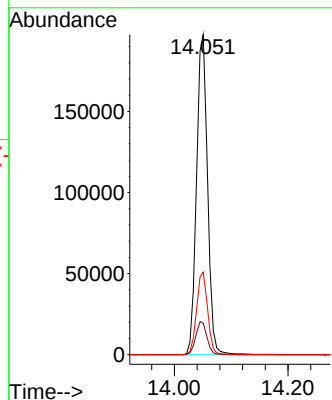
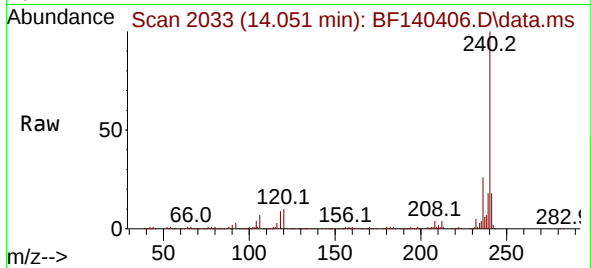




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

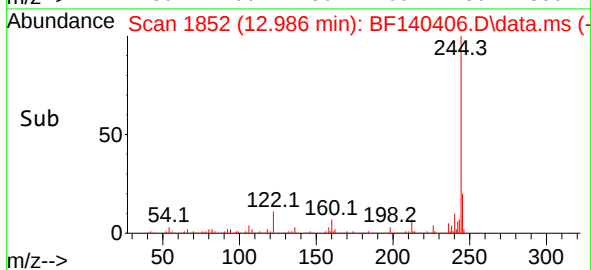
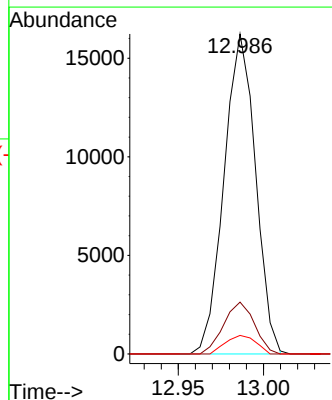
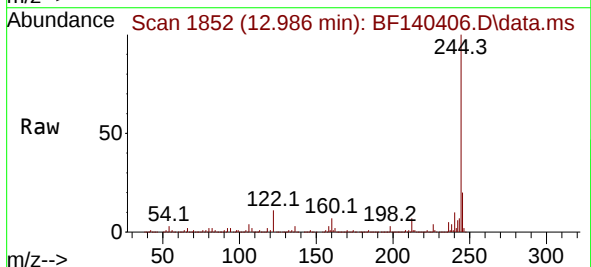
Instrument :
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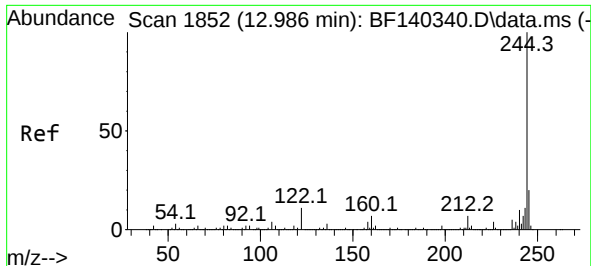
Tgt Ion:240 Resp: 267305
Ion Ratio Lower Upper
240 100
120 9.9 8.8 13.2
236 25.8 20.9 31.3



#77
Benzidine
Concen: 2.032 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF140406.D
Acq: 15 Nov 2024 16:21

Tgt Ion:184 Resp: 20843
Ion Ratio Lower Upper
184 100
185 16.2 11.9 17.9
183 5.8 8.6 13.0#

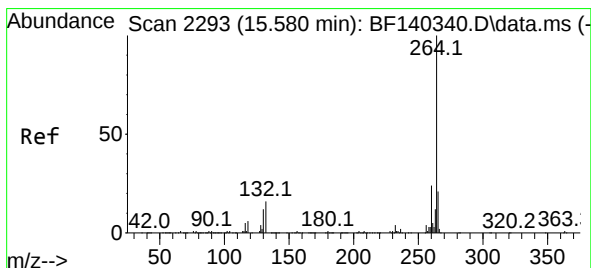
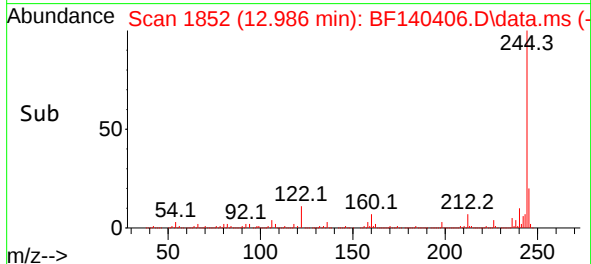
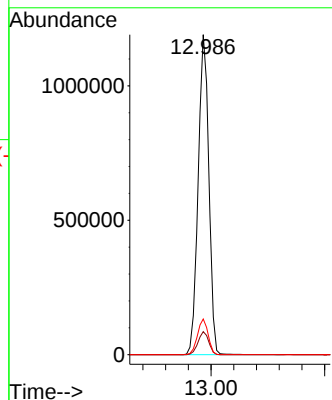
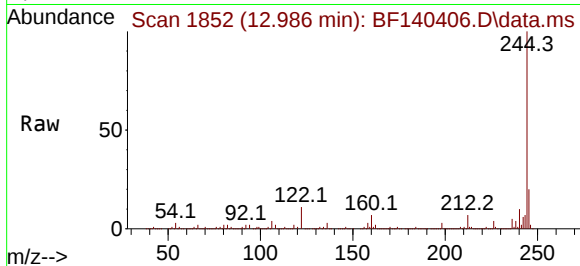




#79
 Terphenyl-d14
 Concen: 101.292 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140406.D
 Acq: 15 Nov 2024 16:21

Instrument :
 BNA_F
 ClientSampleId :
 MH-5

Tgt Ion:244 Resp: 1559853
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.2 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: BF140406.D
 Acq: 15 Nov 2024 16:21

Tgt Ion:264 Resp: 269169
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.0 17.1 25.7

