

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140771.D
 Acq On : 06 Dec 2024 17:16
 Operator : RC/JU
 Sample : P5096-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Quant Time: Dec 06 16:37:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

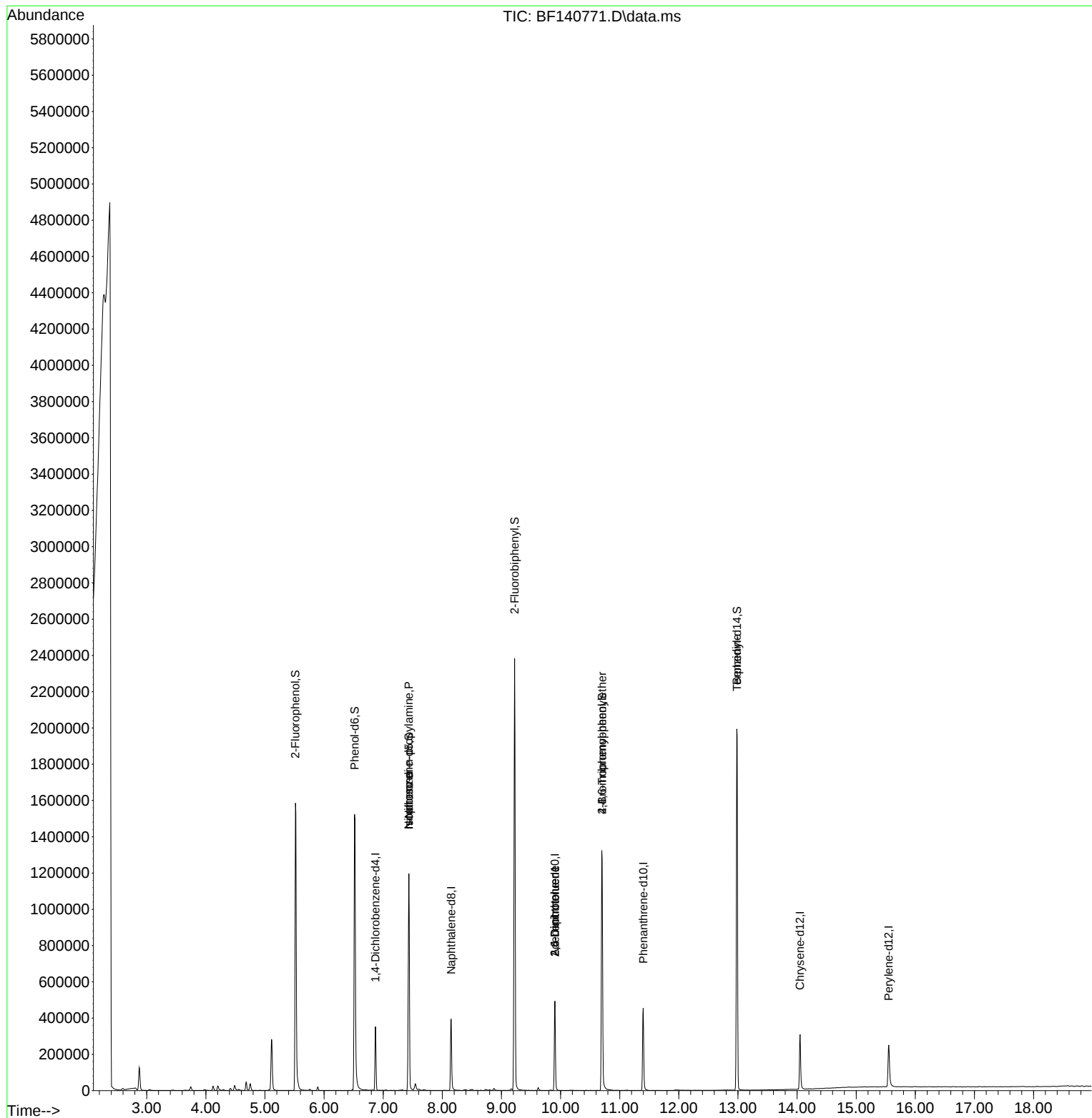
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	73573	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	279638	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	154403	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	276172	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162479	20.000	ng	0.00
86) Perylene-d12	15.551	264	169312	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	668785	155.096	ng	0.02
7) Phenol-d6	6.516	99	829242	145.464	ng	0.00
23) Nitrobenzene-d5	7.434	82	564940	103.337	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	260571	157.793	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1095544	105.717	ng	-0.01
79) Terphenyl-d14	12.986	244	1045757	100.221	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	74903	22.232	ng	Qvalue # 75
25) Isophorone	7.434	82	558928	61.296	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19547	8.476	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	19547	6.377	ng	# 17
67) 4-Bromophenyl-phenylether	10.704	248	16435	5.779	ng	# 1
77) Benzidine	12.980	184	14057	2.976	ng	# 93

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

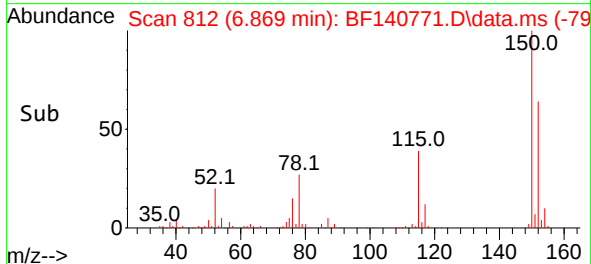
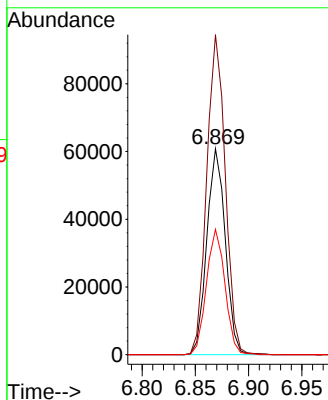
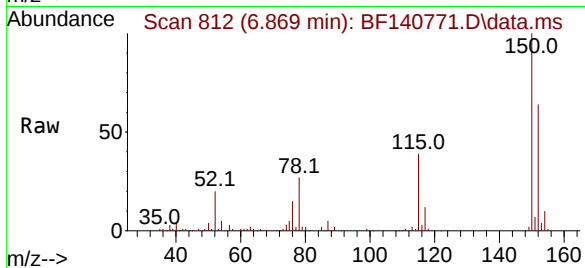




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

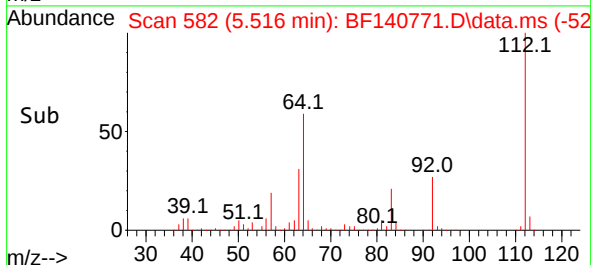
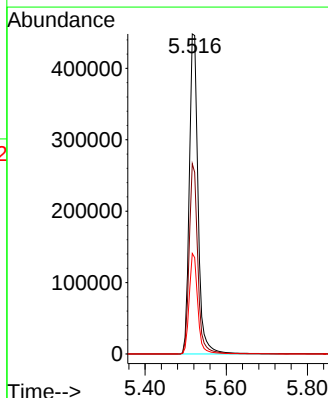
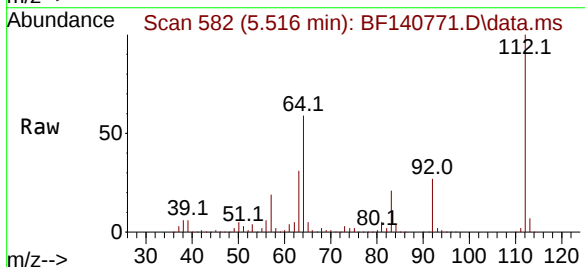
Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion:152 Resp: 73573
Ion Ratio Lower Upper
152 100
150 155.4 128.5 192.7
115 60.9 50.2 75.4



#5
2-Fluorophenol
Concen: 155.096 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

Tgt Ion:112 Resp: 668785
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 31.4 27.0 40.4

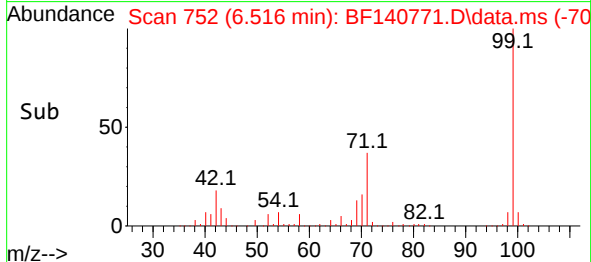
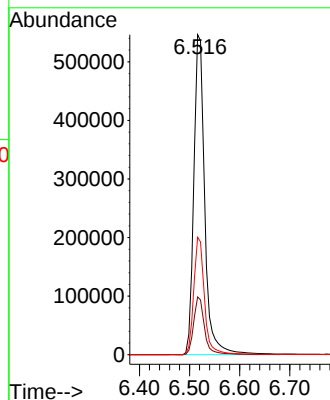
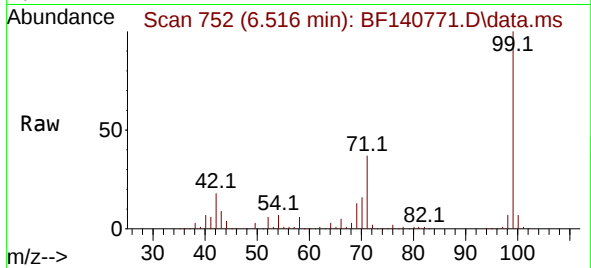




#7
Phenol-d6
Concen: 145.464 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

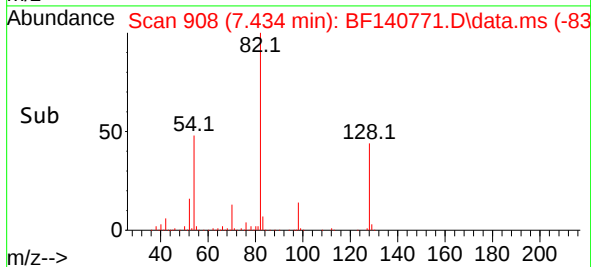
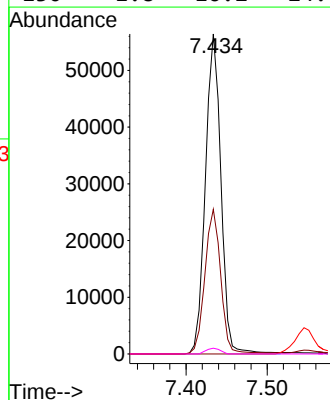
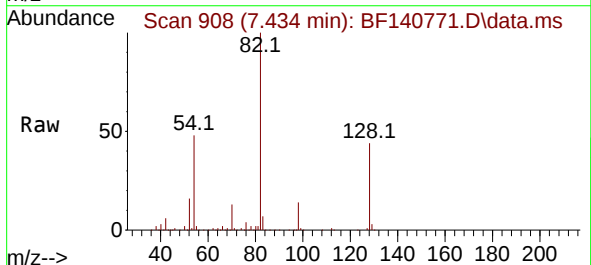
Instrument :
BNA_F
ClientSampleId :
MH-B

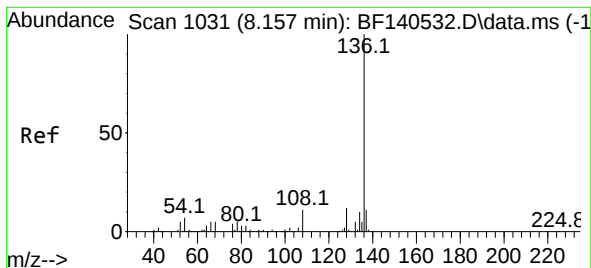
Tgt Ion: 99 Resp: 829242
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 36.7 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 22.232 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

Tgt Ion: 70 Resp: 74903
Ion Ratio Lower Upper
70 100
42 45.2 47.6 71.4#
101 0.0 7.6 11.4#
130 1.8 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

Instrument :

BNA_F

ClientSampleId :

MH-B

Tgt Ion:136 Resp: 279638

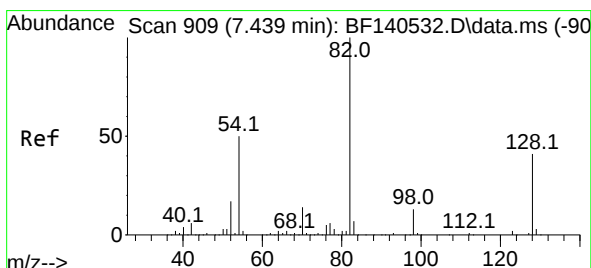
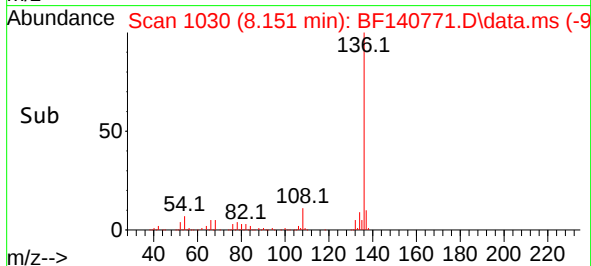
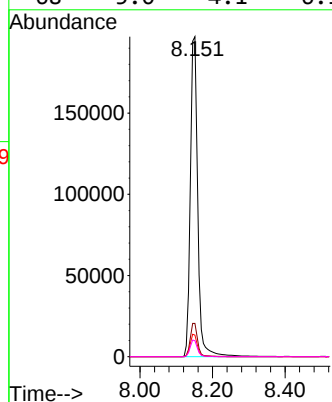
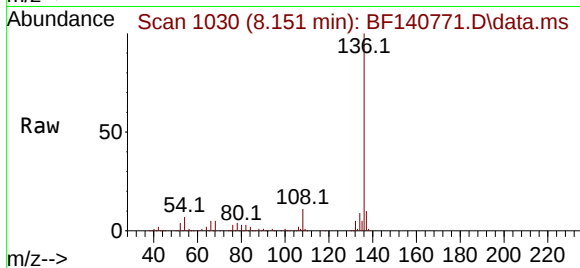
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 6.8 5.8 8.8

68 5.0 4.1 6.1



#23

Nitrobenzene-d5

Concen: 103.337 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

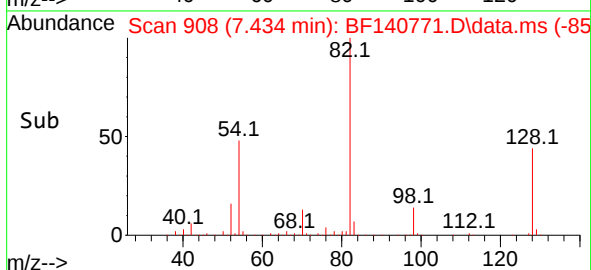
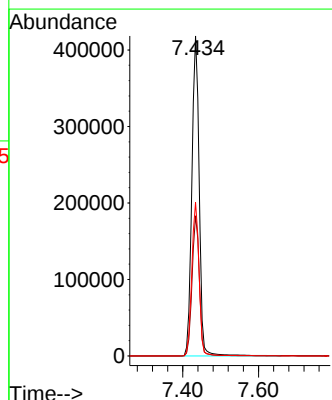
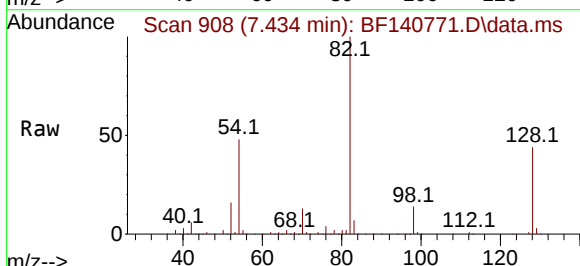
Tgt Ion: 82 Resp: 564940

Ion Ratio Lower Upper

82 100

128 43.8 33.0 49.4

54 48.0 39.5 59.3

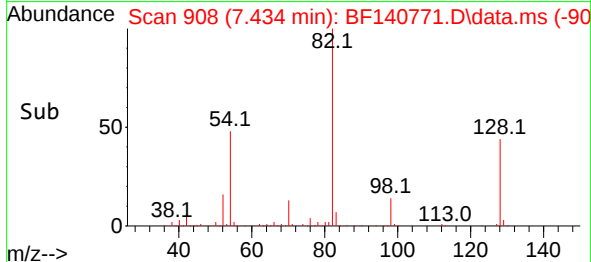
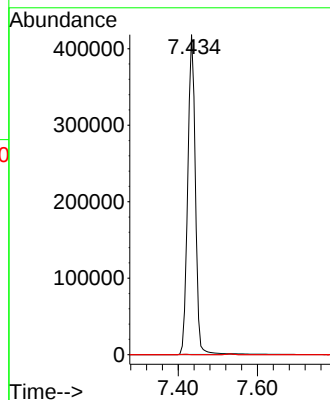
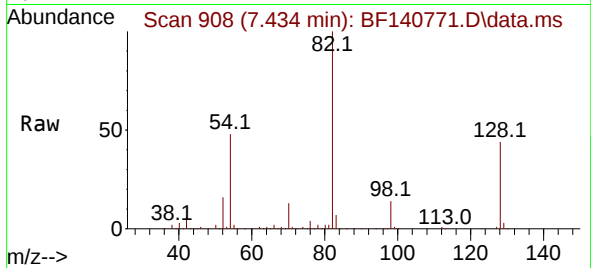




#25
Isophorone
Concen: 61.296 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

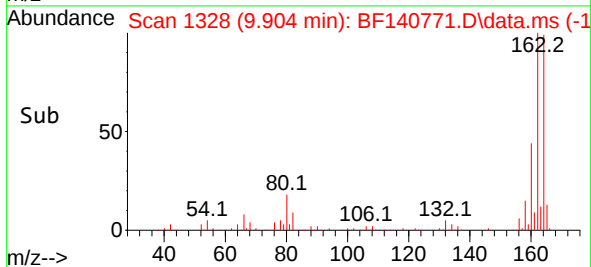
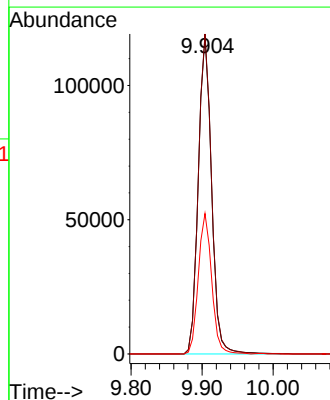
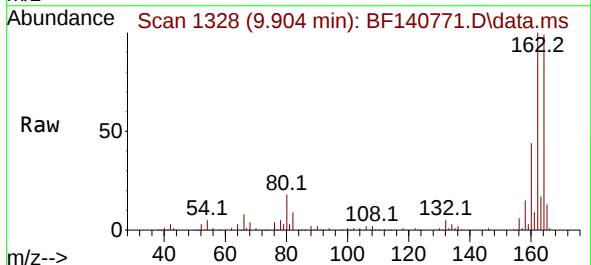
Instrument :
BNA_F
ClientSampleId :
MH-B

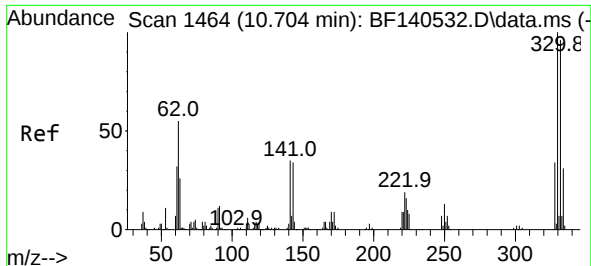
Tgt Ion: 82 Resp: 558928
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

Tgt Ion: 164 Resp: 154403
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 157.793 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

Instrument :

BNA_F

ClientSampleId :

MH-B

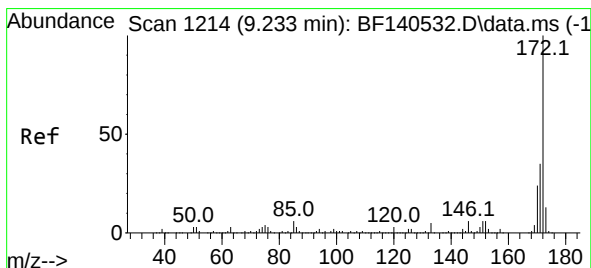
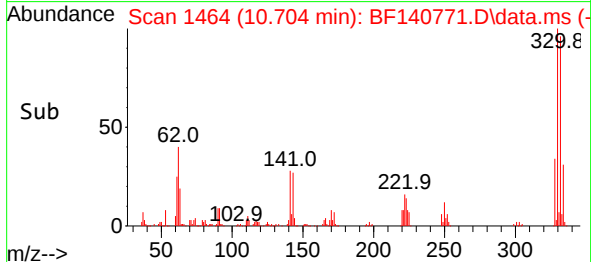
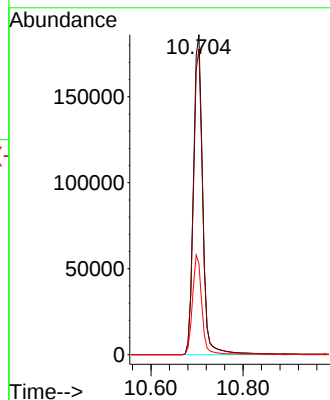
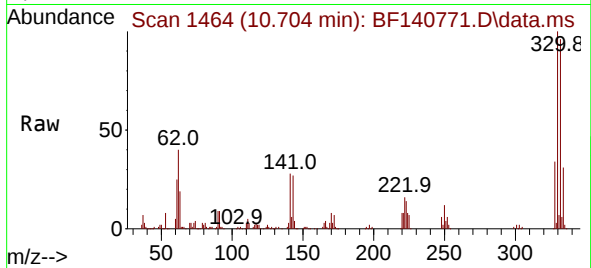
Tgt Ion:330 Resp: 260571

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 31.2 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 105.717 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

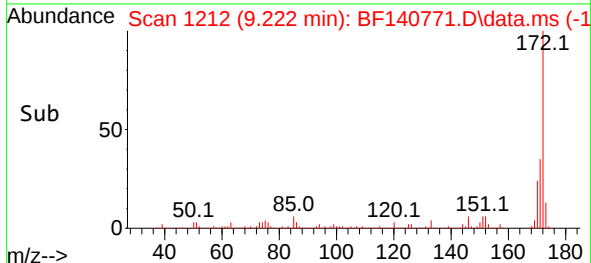
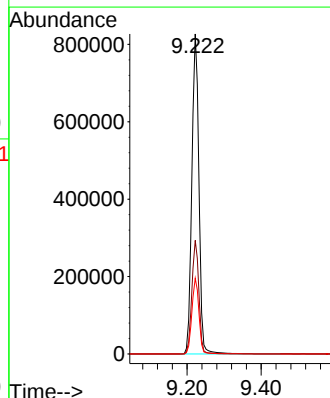
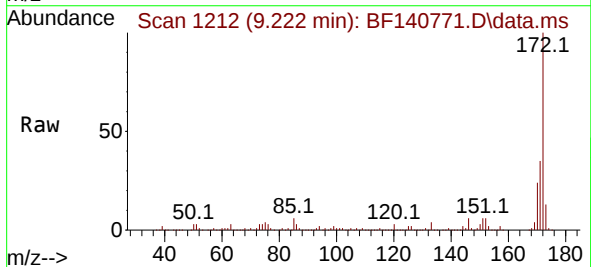
Tgt Ion:172 Resp: 1095544

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.7 19.0 28.6

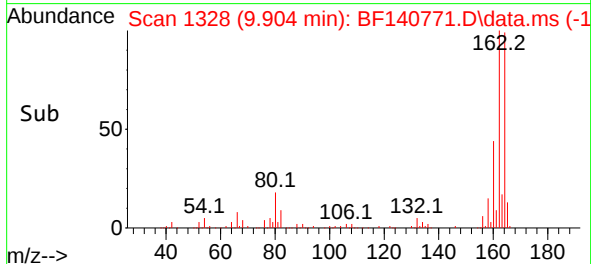
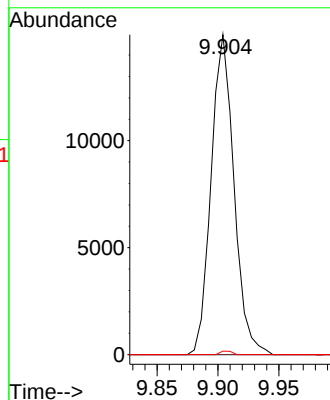
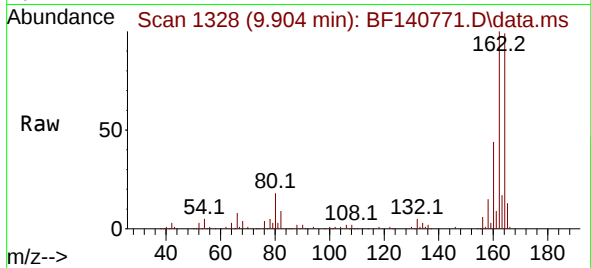




#51
2,6-Dinitrotoluene
Concen: 8.476 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

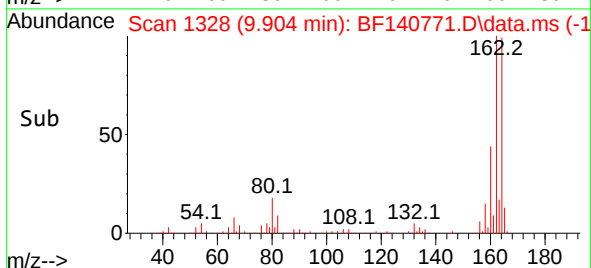
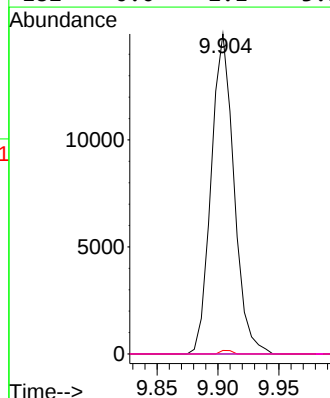
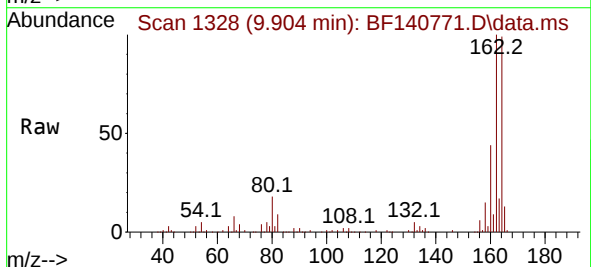
Instrument :
BNA_F
ClientSampleId :
MH-B

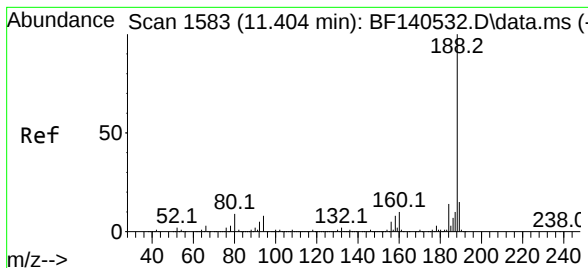
Tgt Ion:165 Resp: 19547
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 1.1 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.377 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140771.D
Acq: 06 Dec 2024 17:16

Tgt Ion:165 Resp: 19547
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 1.1 65.8 98.8#
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: BF140771.D

Acq: 06 Dec 2024 17:16

Instrument :

BNA_F

ClientSampleId :

MH-B

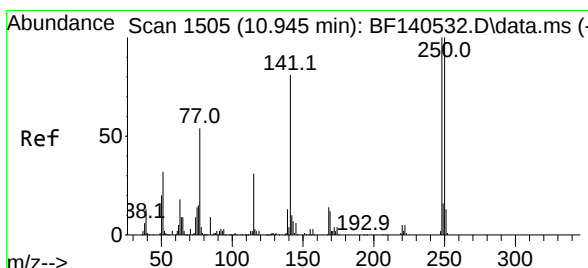
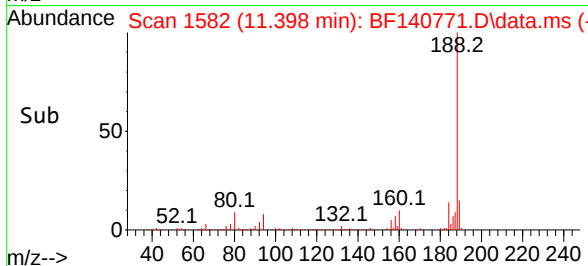
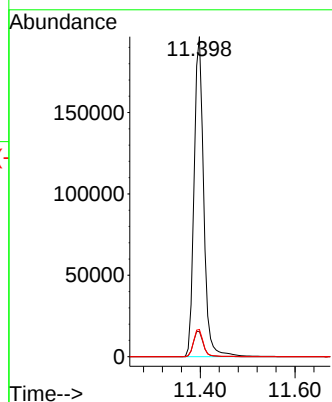
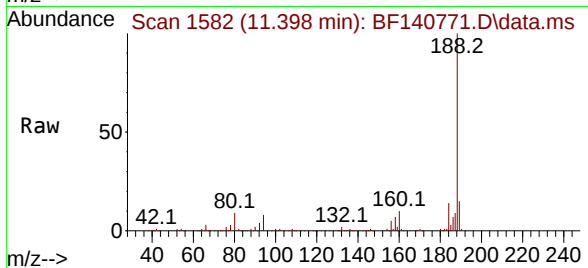
Tgt Ion:188 Resp: 276172

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.5 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.779 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

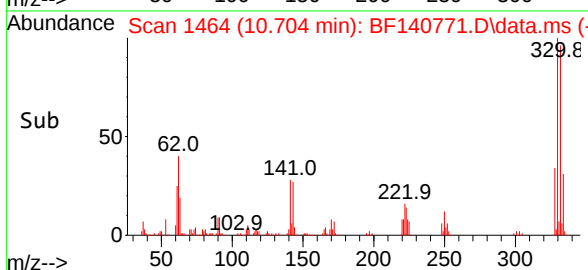
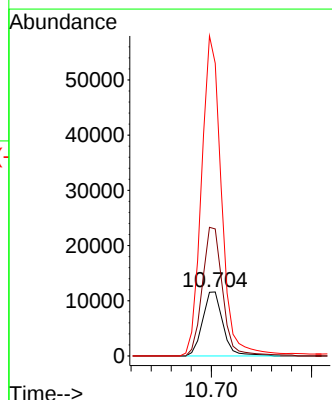
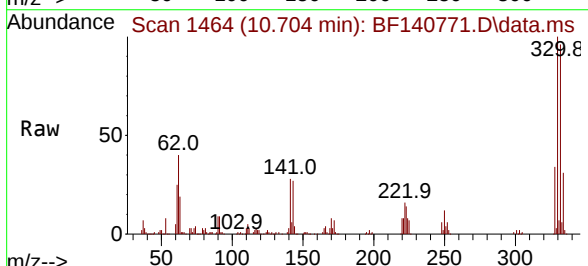
Tgt Ion:248 Resp: 16435

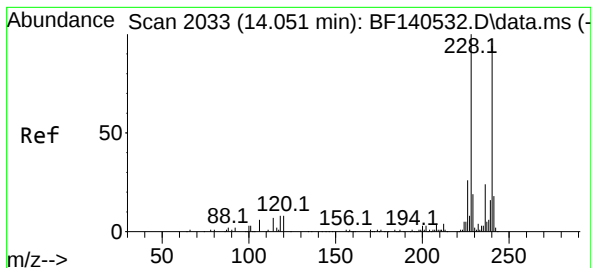
Ion Ratio Lower Upper

248 100

250 198.5 79.8 119.8#

141 457.5 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

Instrument :

BNA_F

ClientSampleId :

MH-B

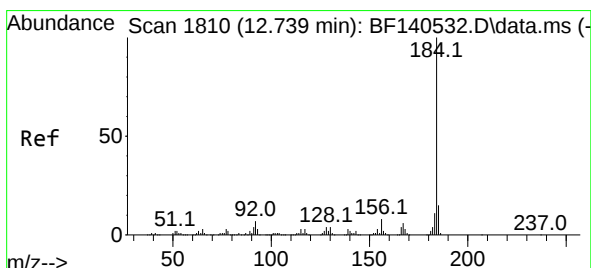
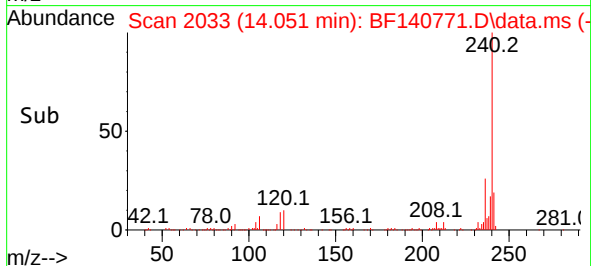
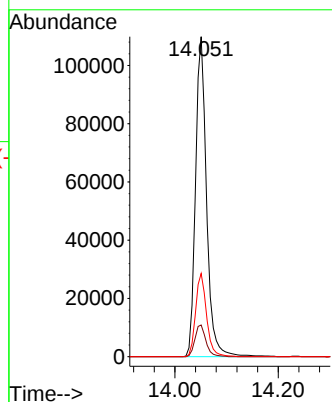
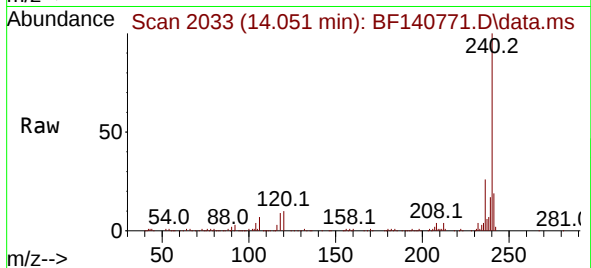
Tgt Ion:240 Resp: 162479

Ion Ratio Lower Upper

240 100

120 9.9 7.3 10.9

236 26.0 20.6 31.0



#77

Benzidine

Concen: 2.976 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.241 min

Lab File: BF140771.D

Acq: 06 Dec 2024 17:16

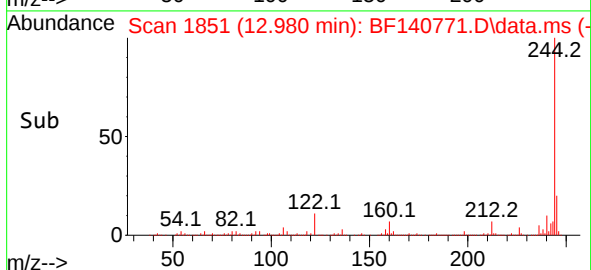
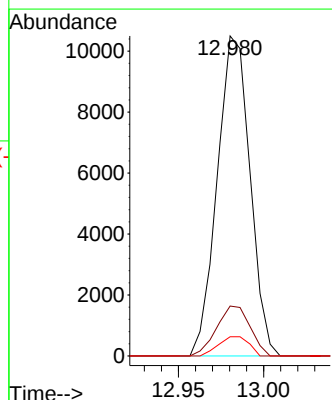
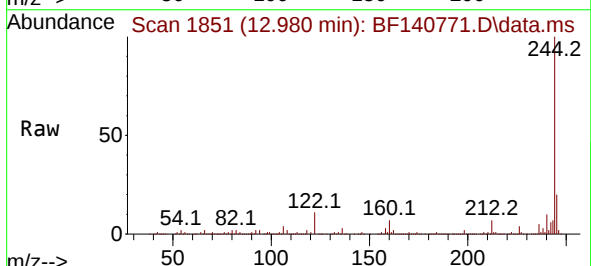
Tgt Ion:184 Resp: 14057

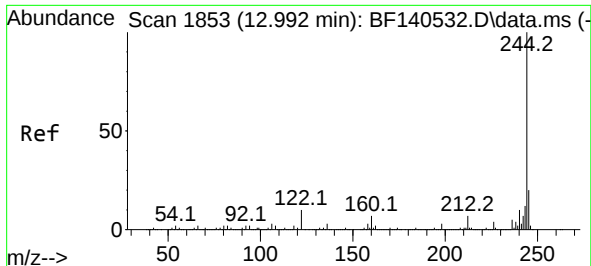
Ion Ratio Lower Upper

184 100

185 15.6 11.7 17.5

183 6.0 8.8 13.2#

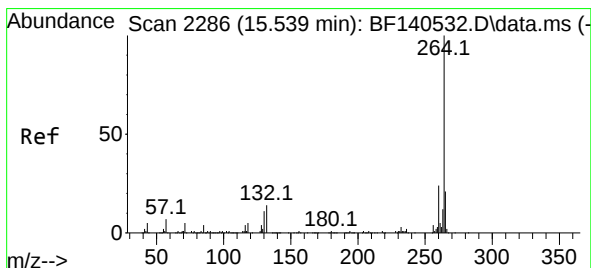
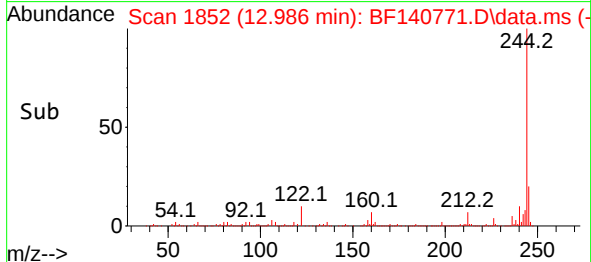
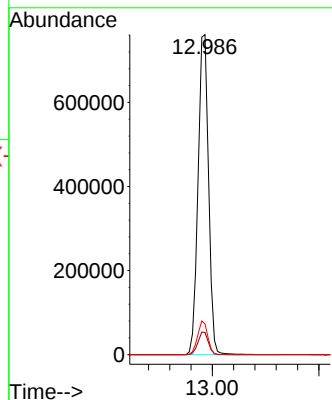
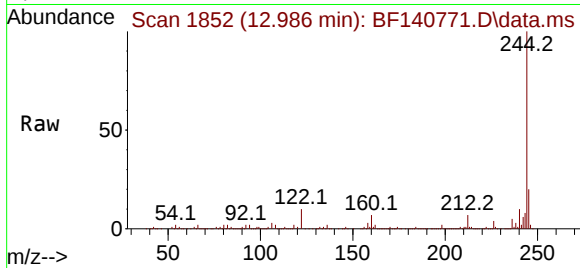




#79
 Terphenyl-d14
 Concen: 100.221 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF140771.D
 Acq: 06 Dec 2024 17:16

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Tgt Ion:244 Resp: 1045757
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2288
 Delta R.T. 0.012 min
 Lab File: BF140771.D
 Acq: 06 Dec 2024 17:16

Tgt Ion:264 Resp: 169312
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.6
 265 20.6 16.6 25.0

