

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120524\
 Data File : BF140752.D
 Acq On : 05 Dec 2024 16:53
 Operator : RC/JU
 Sample : P5096-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-A

Quant Time: Dec 05 17:12:40 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)

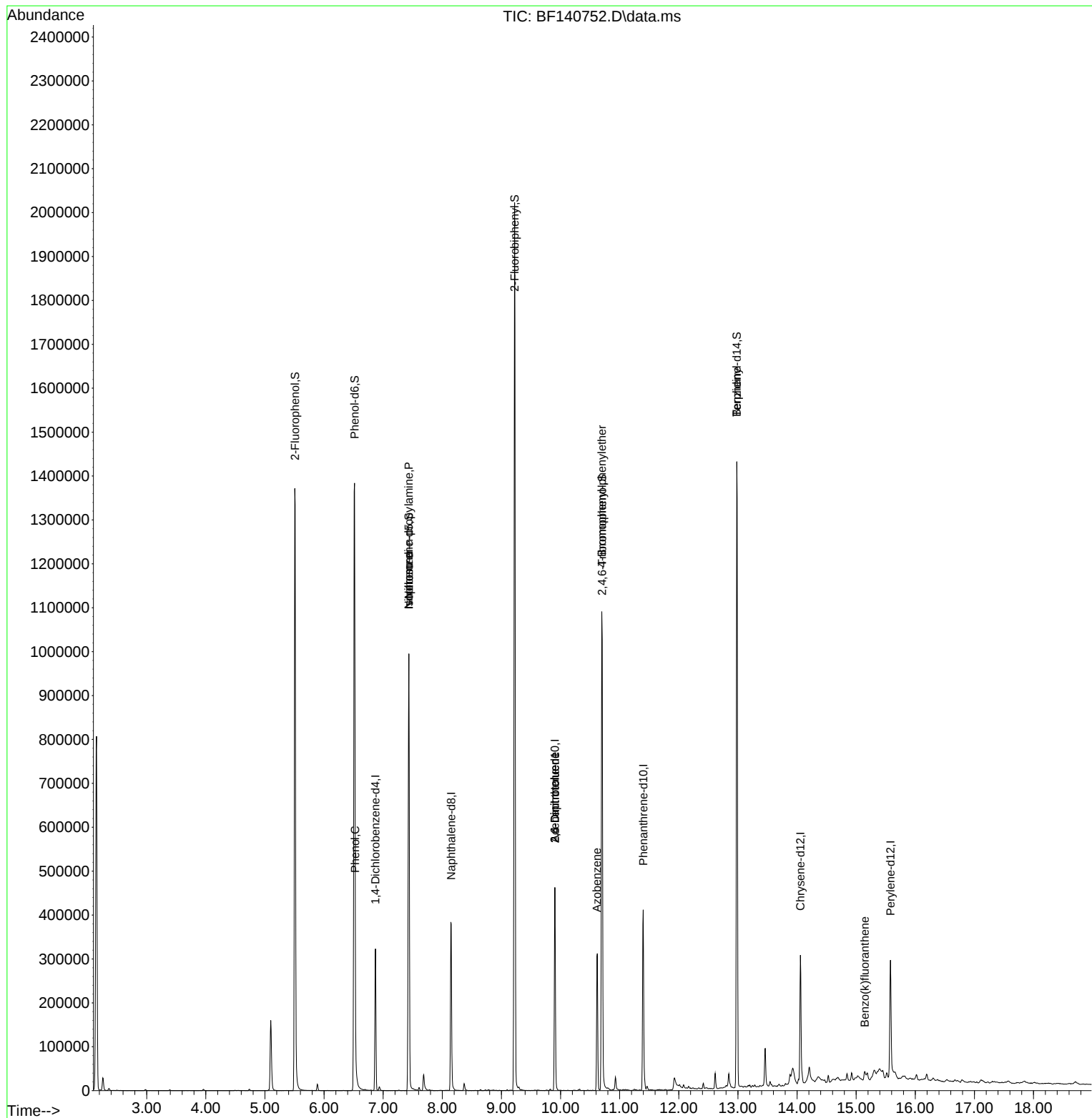
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	66841	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	261690	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	141260	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	235200	20.000	ng	0.00
76) Chrysene-d12	14.057	240	137617	20.000	ng	0.00
86) Perylene-d12	15.580	264	155384	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	550800	140.599	ng	0.01
7) Phenol-d6	6.516	99	718405	138.714	ng	0.00
23) Nitrobenzene-d5	7.434	82	473327	92.517	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	202906	134.305	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	910373	96.022	ng	-0.01
79) Terphenyl-d14	12.980	244	712118	80.576	ng	-0.01
Target Compounds						
						Qvalue
10) Phenol	6.528	94	11338	2.144	ng	# 47
19) n-Nitroso-di-n-propyla...	7.434	70	62951	20.567	ng	# 75
25) Isophorone	7.434	82	468767	54.934	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	18580	8.806	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	18580	6.626	ng	# 17
63) Azobenzene	10.616	77	83999	9.384	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13259	5.474	ng	# 1
77) Benzidine	12.980	184	9759	2.439	ng	# 94
89) Benzo(k)fluoranthene	15.145	252	18066	2.115	ng	# 92

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

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Misc :
ALS Vial : 11 Sample Multiplier: 1

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Quant Time: Dec 05 17:12:40 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

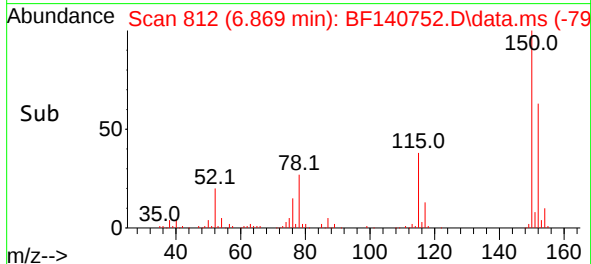
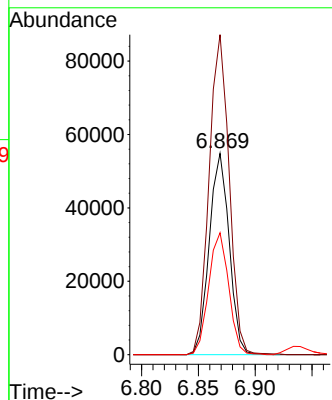
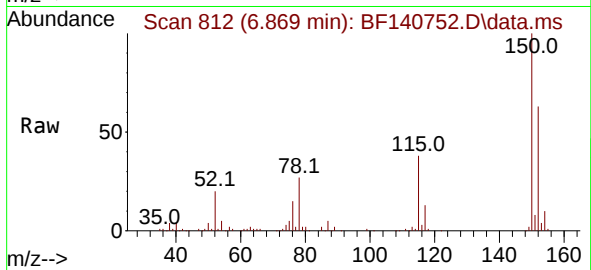




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

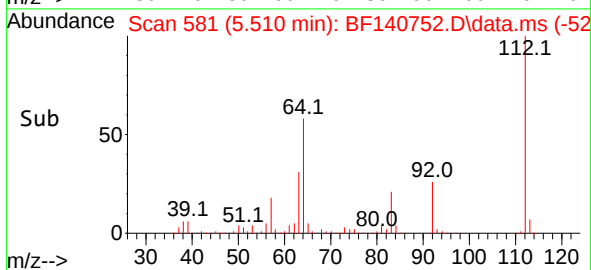
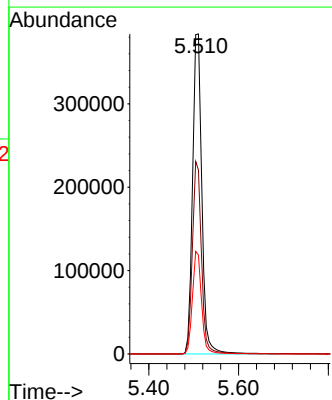
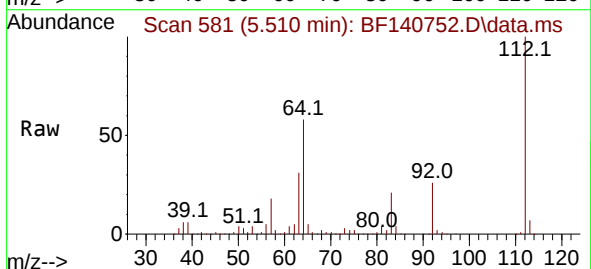
Instrument :
BNA_F
ClientSampleId :
MH-A

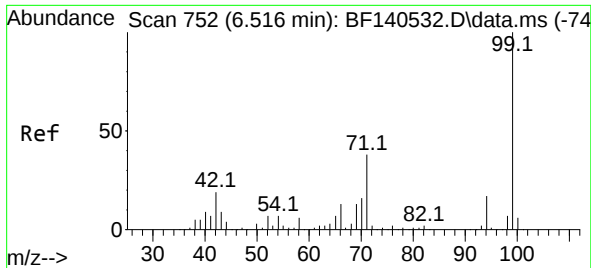
Tgt Ion:152 Resp: 66841
Ion Ratio Lower Upper
152 100
150 159.0 128.5 192.7
115 60.6 50.2 75.4



#5
2-Fluorophenol
Concen: 140.599 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion:112 Resp: 550800
Ion Ratio Lower Upper
112 100
64 57.5 49.2 73.8
63 30.9 27.0 40.4

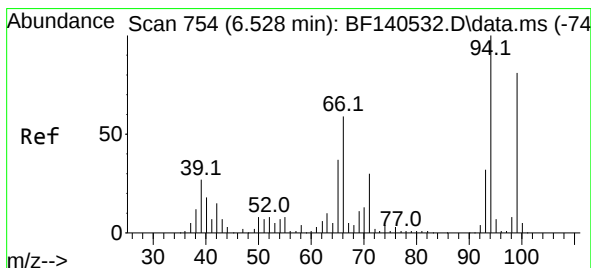
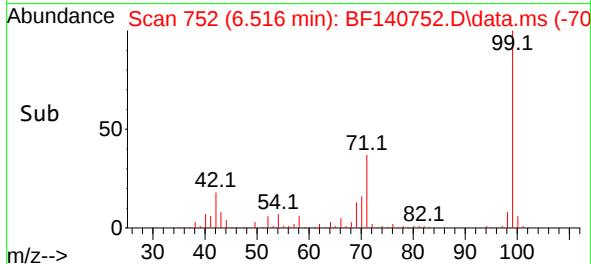
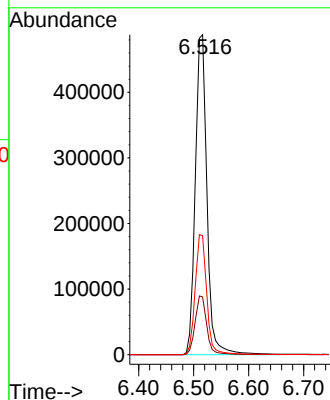
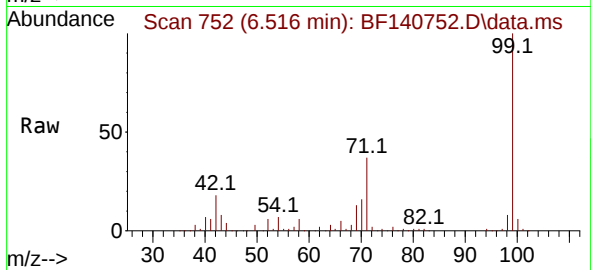




#7
Phenol-d6
Concen: 138.714 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

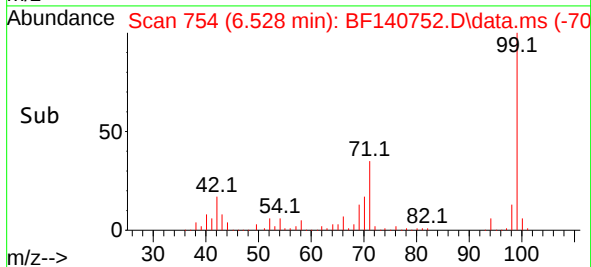
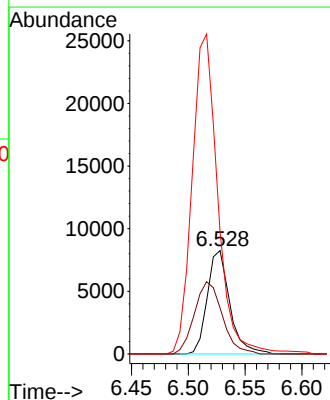
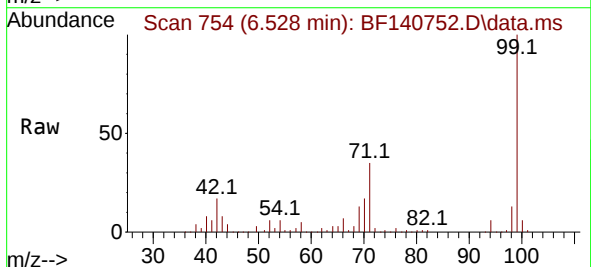
Instrument :
BNA_F
ClientSampleId :
MH-A

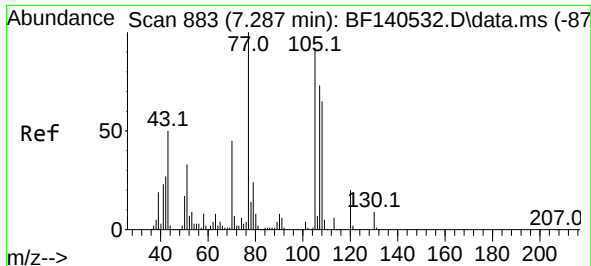
Tgt Ion: 99 Resp: 718405
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 37.2 30.6 46.0



#10
Phenol
Concen: 2.144 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion: 94 Resp: 11338
Ion Ratio Lower Upper
94 100
65 44.6 17.2 57.2
66 118.4 39.2 79.2#

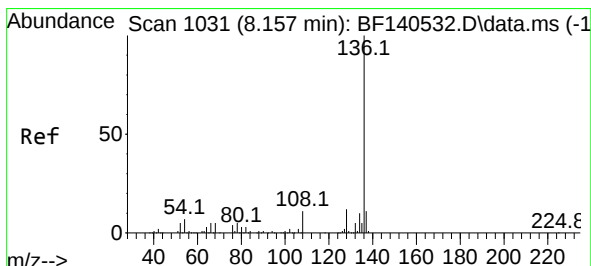
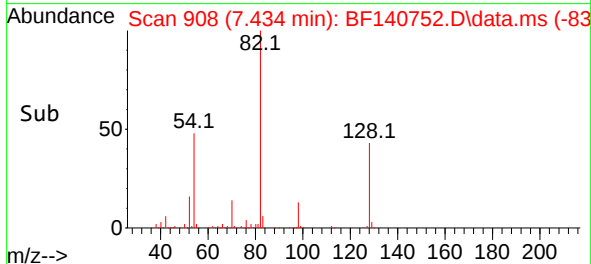
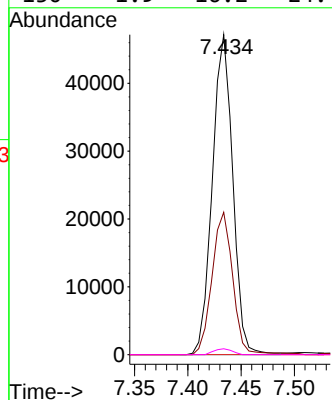
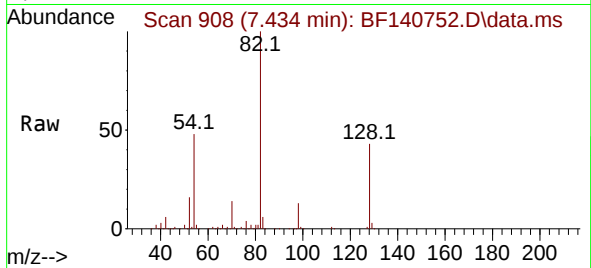




#19
n-Nitroso-di-n-propylamine
Concen: 20.567 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

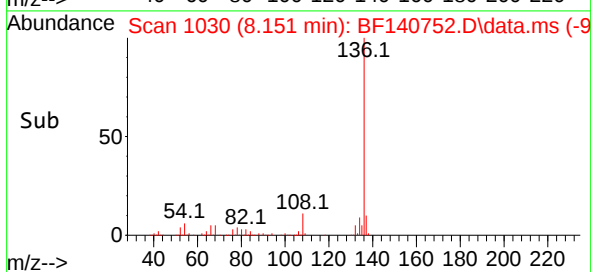
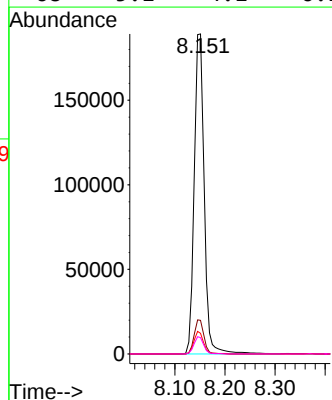
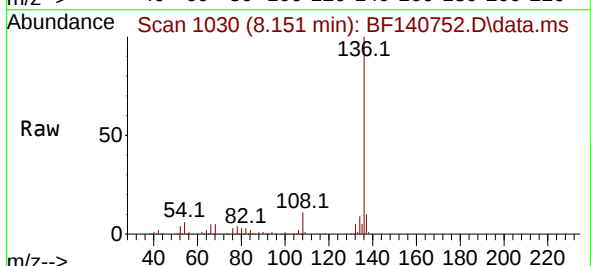
Instrument :
BNA_F
ClientSampleId :
MH-A

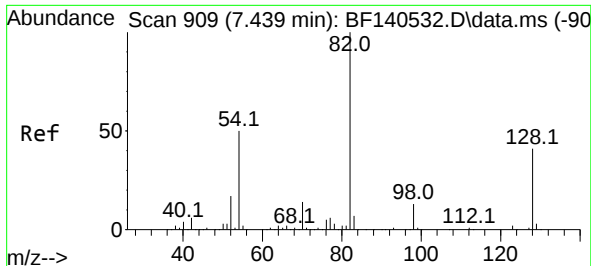
Tgt Ion: 70 Resp: 62951
Ion Ratio Lower Upper
70 100
42 44.5 47.6 71.4#
101 0.0 7.6 11.4#
130 1.9 16.2 24.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion: 136 Resp: 261690
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 6.5 5.8 8.8
68 5.1 4.1 6.1

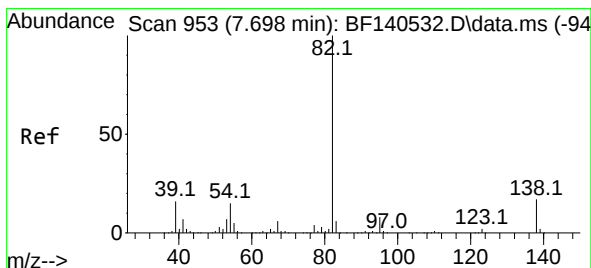
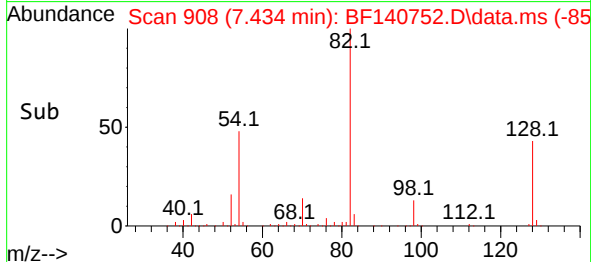
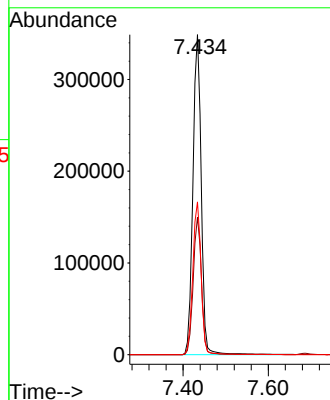
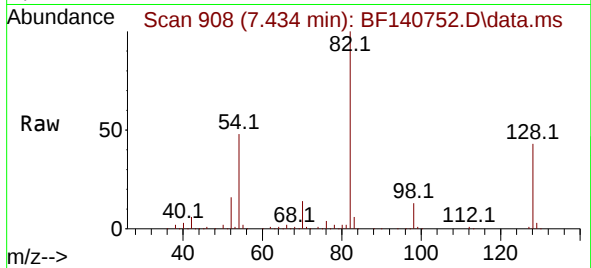




#23
Nitrobenzene-d5
Concen: 92.517 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

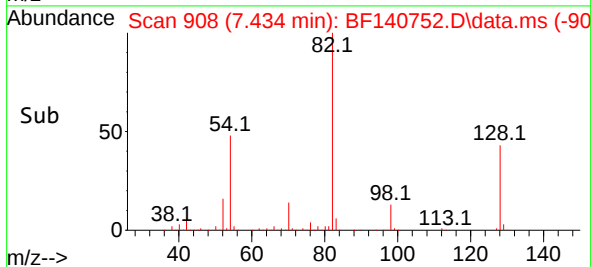
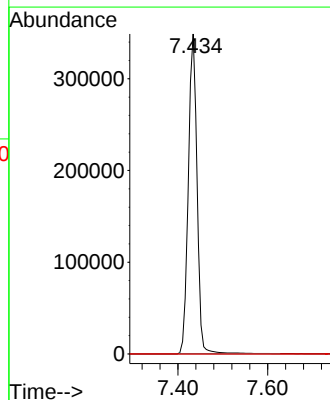
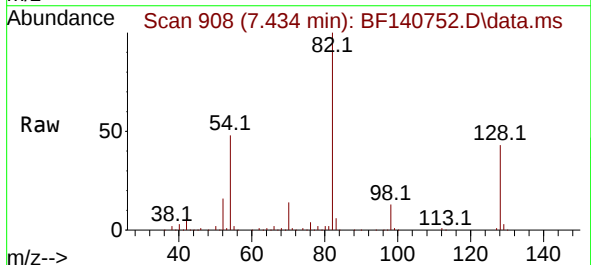
Instrument :
BNA_F
ClientSampleId :
MH-A

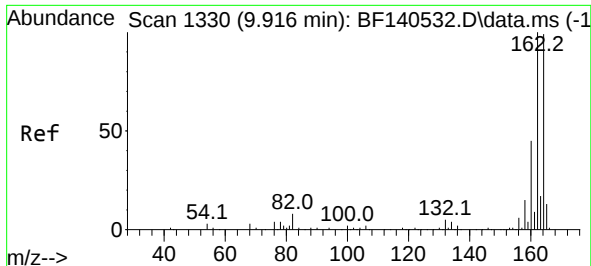
Tgt Ion: 82 Resp: 473327
Ion Ratio Lower Upper
82 100
128 43.0 33.0 49.4
54 47.8 39.5 59.3



#25
Isophorone
Concen: 54.934 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion: 82 Resp: 468767
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# 1

Delta R.T. -0.012 min

Lab File: BF140752.D

Acq: 05 Dec 2024 16:53

Instrument :

BNA_F

ClientSampleId :

MH-A

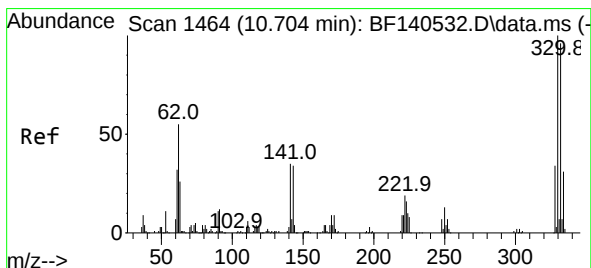
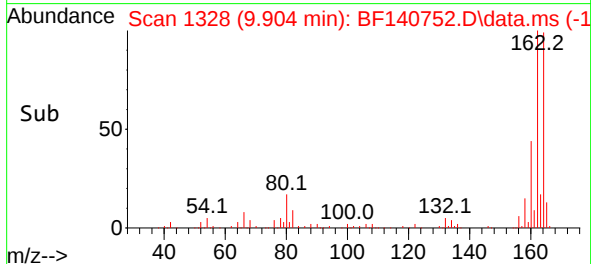
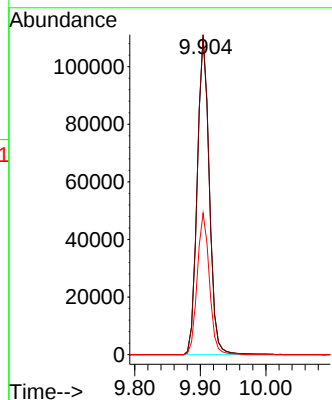
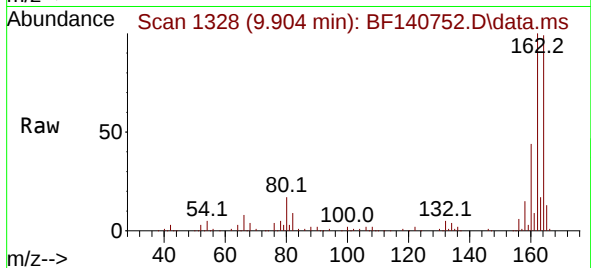
Tgt Ion:164 Resp: 141260

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

160 44.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 134.305 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140752.D

Acq: 05 Dec 2024 16:53

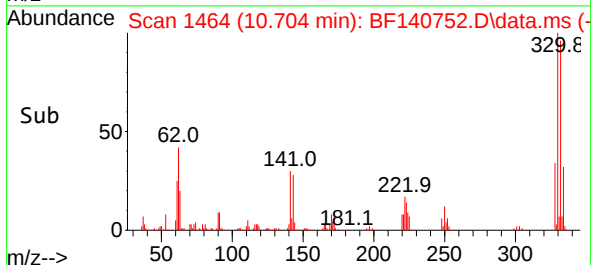
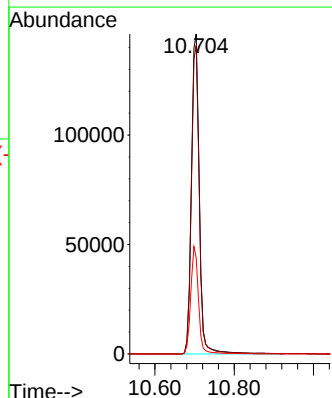
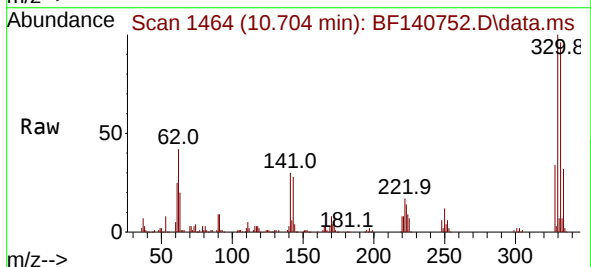
Tgt Ion:330 Resp: 202906

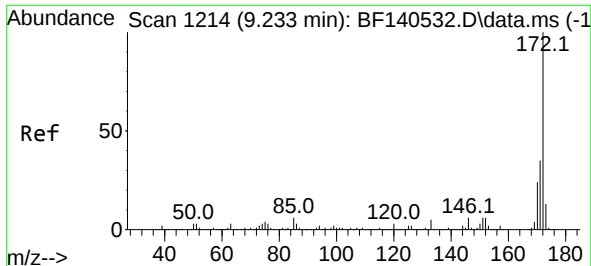
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 33.0 26.7 40.1

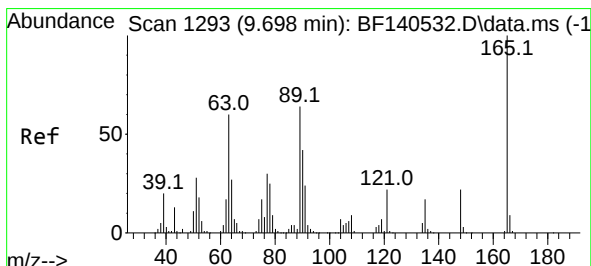
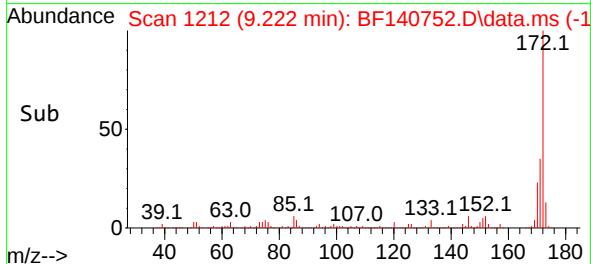
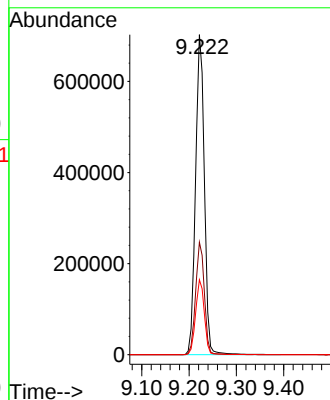
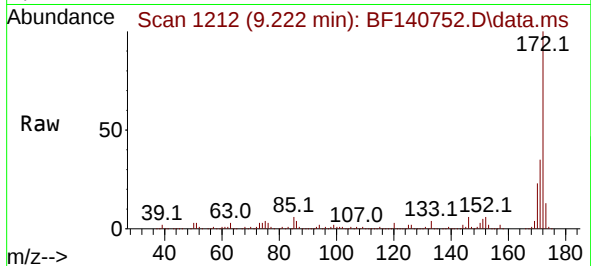




#45
2-Fluorobiphenyl
Concen: 96.022 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

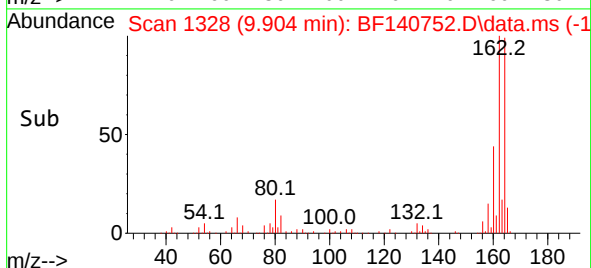
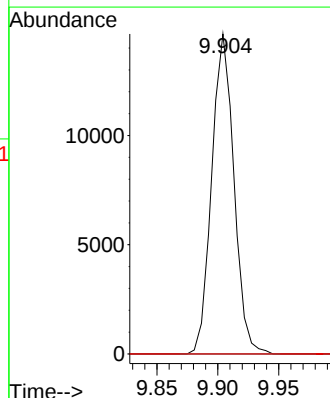
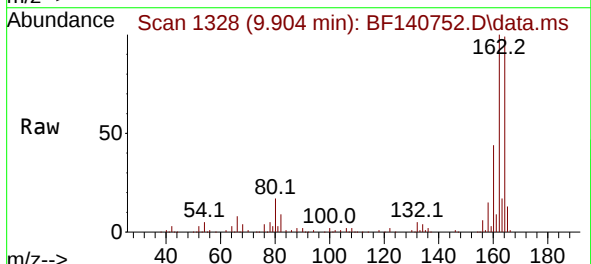
Instrument :
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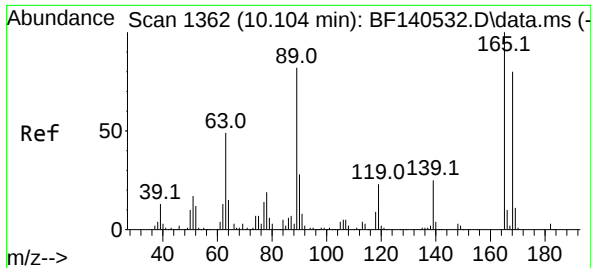
Tgt Ion:172 Resp: 910373
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.806 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion:165 Resp: 18580
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#

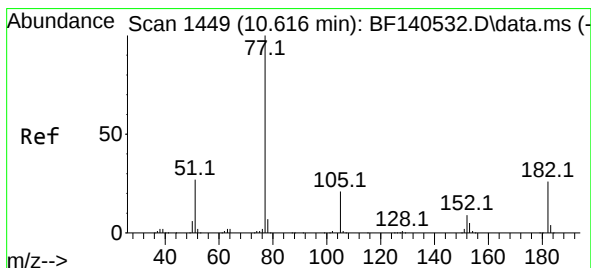
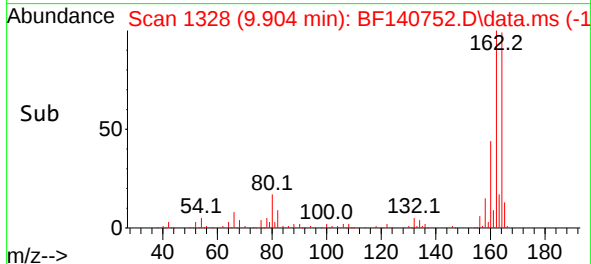
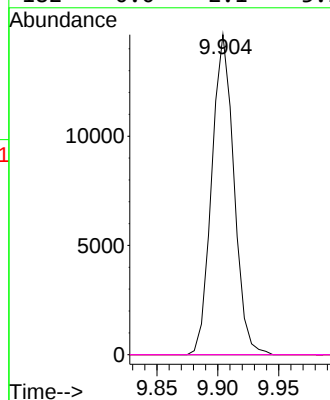
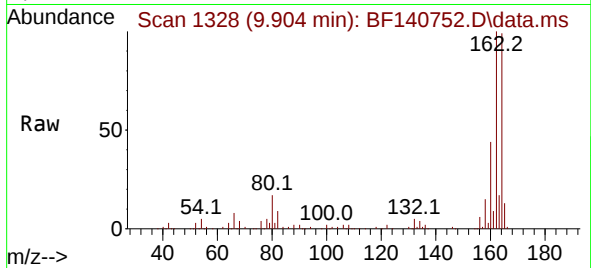




#57
2,4-Dinitrotoluene
Concen: 6.626 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

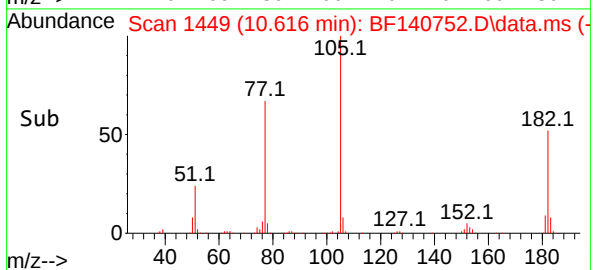
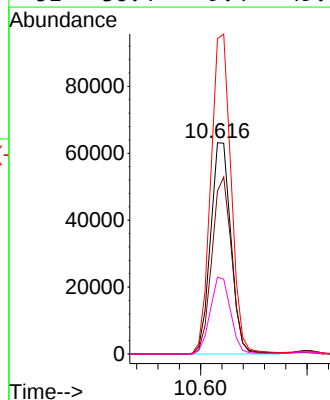
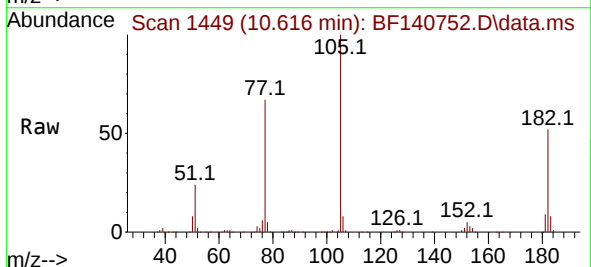
Instrument :
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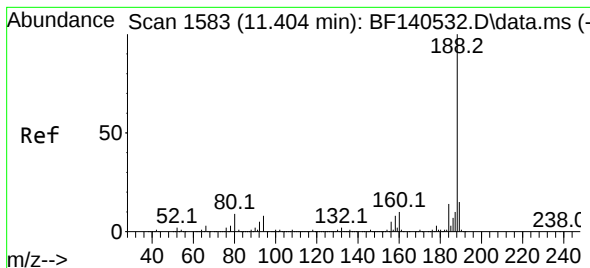
Tgt Ion:165 Resp: 18580
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 9.384 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion: 77 Resp: 83999
Ion Ratio Lower Upper
77 100
182 77.2 5.3 45.3#
105 149.2 0.3 40.3#
51 36.4 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140752.D

Acq: 05 Dec 2024 16:53

Instrument :

BNA_F

ClientSampleId :

MH-A

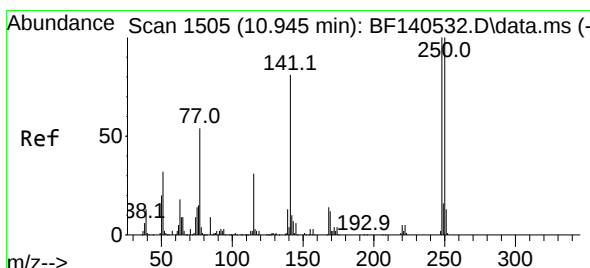
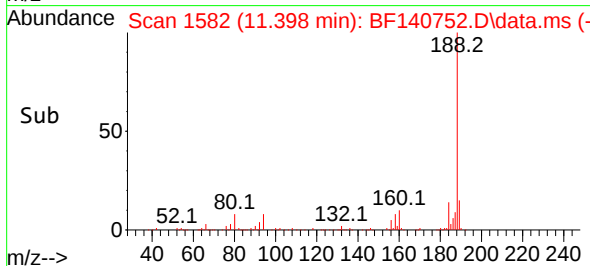
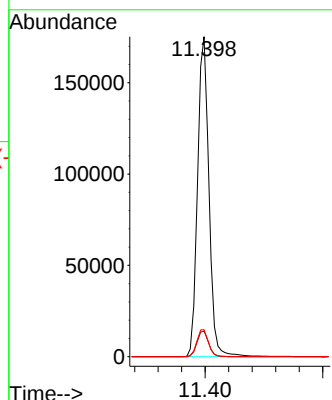
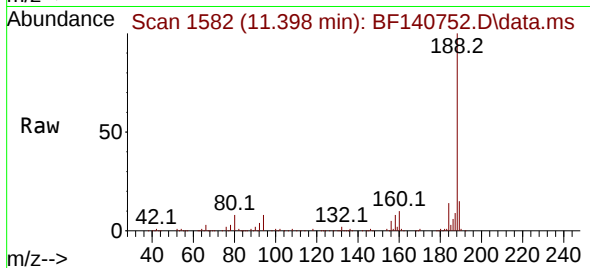
Tgt Ion:188 Resp: 235200

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.5 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.474 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140752.D

Acq: 05 Dec 2024 16:53

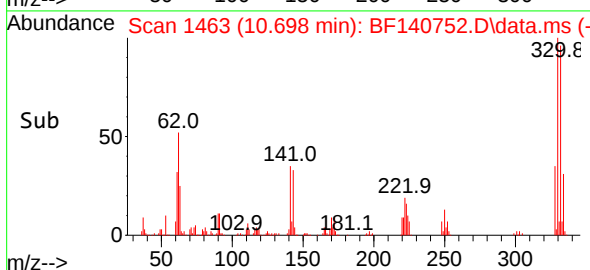
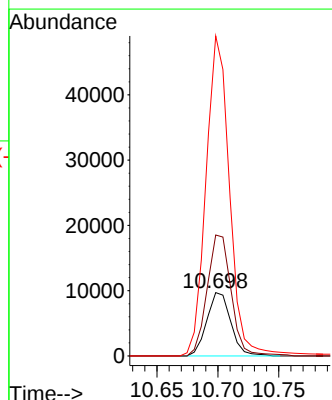
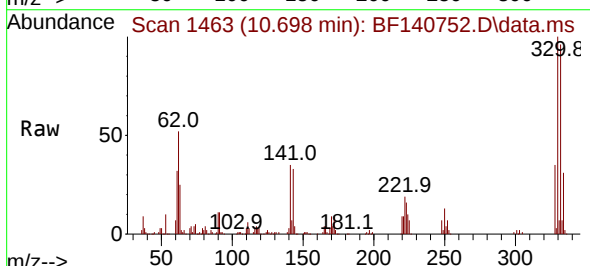
Tgt Ion:248 Resp: 13259

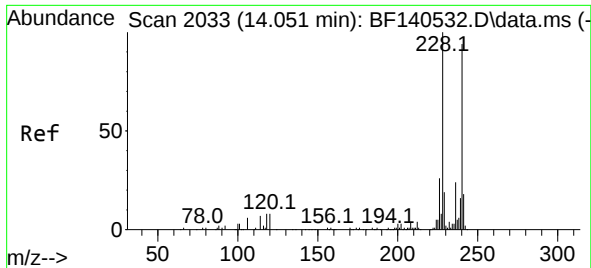
Ion Ratio Lower Upper

248 100

250 191.3 79.8 119.8#

141 505.7 64.7 97.1#

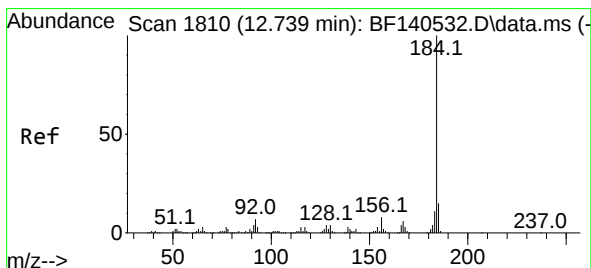
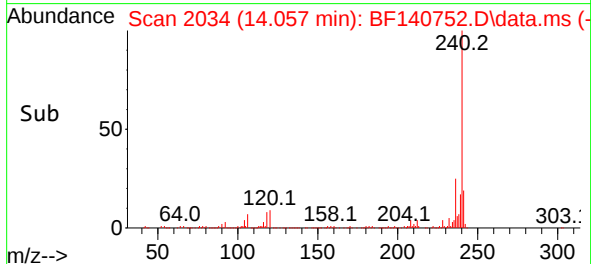
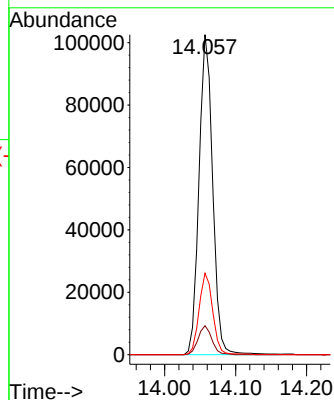
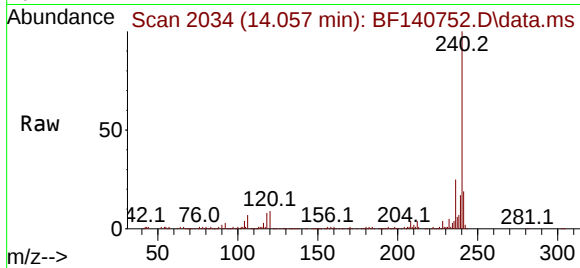




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

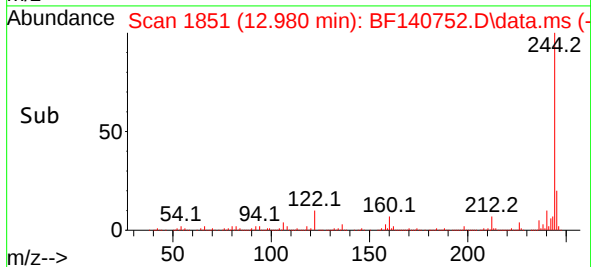
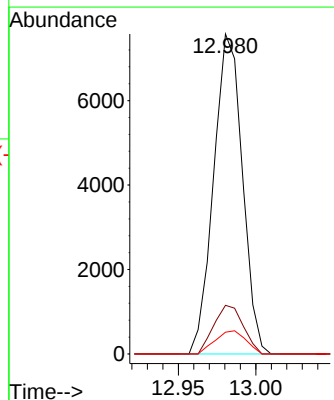
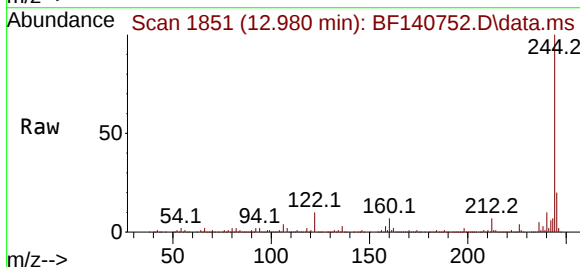
Instrument :
BNA_F
ClientSampleId :
MH-A

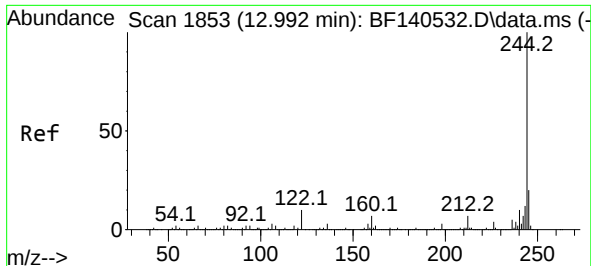
Tgt Ion:240 Resp: 137617
Ion Ratio Lower Upper
240 100
120 9.0 7.3 10.9
236 25.5 20.6 31.0



#77
Benzidine
Concen: 2.439 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.241 min
Lab File: BF140752.D
Acq: 05 Dec 2024 16:53

Tgt Ion:184 Resp: 9759
Ion Ratio Lower Upper
184 100
185 15.2 11.7 17.5
183 6.8 8.8 13.2#

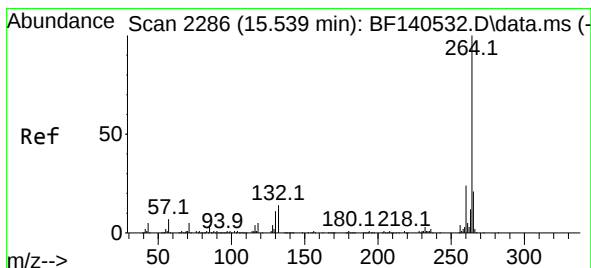
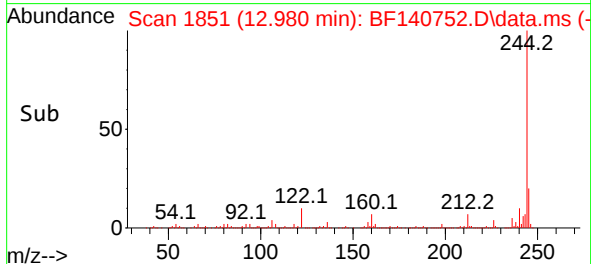
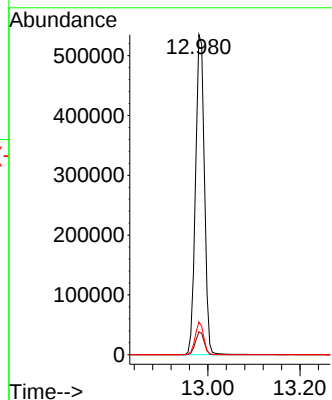
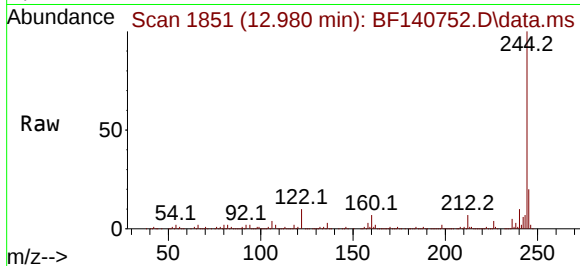




#79
 Terphenyl-d14
 Concen: 80.576 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140752.D
 Acq: 05 Dec 2024 16:53

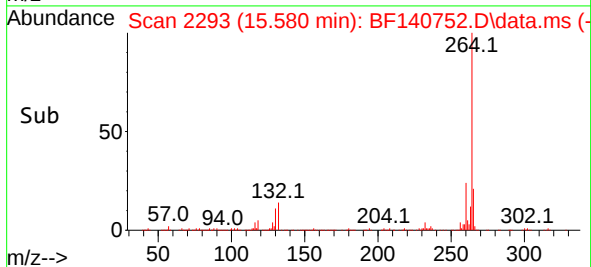
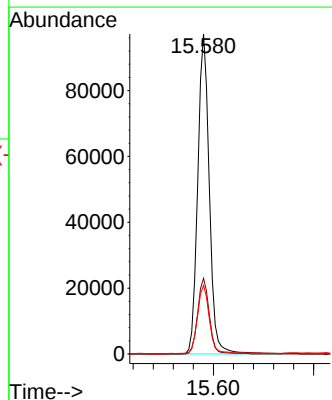
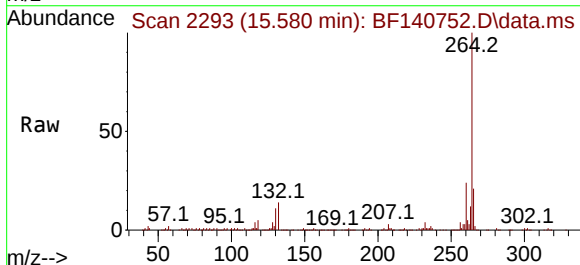
Instrument :
 BNA_F
 ClientSampleId :
 MH-A

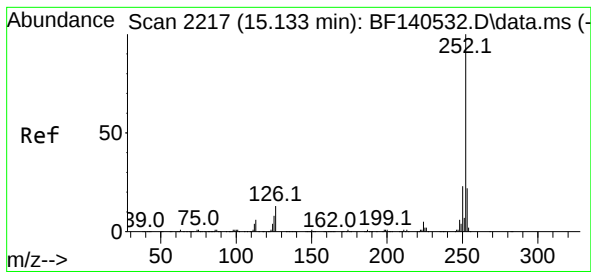
Tgt Ion:244 Resp: 712118
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.2 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2293
 Delta R.T. 0.041 min
 Lab File: BF140752.D
 Acq: 05 Dec 2024 16:53

Tgt Ion:264 Resp: 155384
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.5 16.6 25.0





#89

Benzo(k)fluoranthene

Concen: 2.115 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140752.D

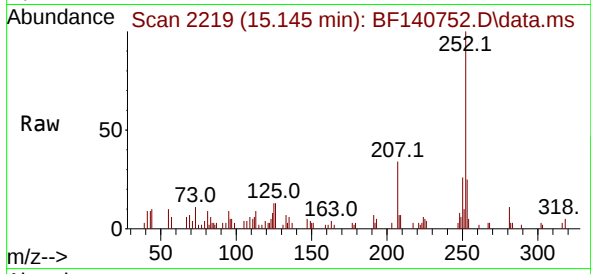
Acq: 05 Dec 2024 16:53

Instrument :

BNA_F

ClientSampleId :

MH-A



Tgt Ion:252 Resp: 18066

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 12.9 6.5 9.7#

