

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111124\
 Data File : BF140326.D
 Acq On : 11 Nov 2024 19:18
 Operator : RC/JU
 Sample : P4788-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-G3

Quant Time: Nov 12 00:45:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 00:05:37 2024
 Response via : Initial Calibration

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

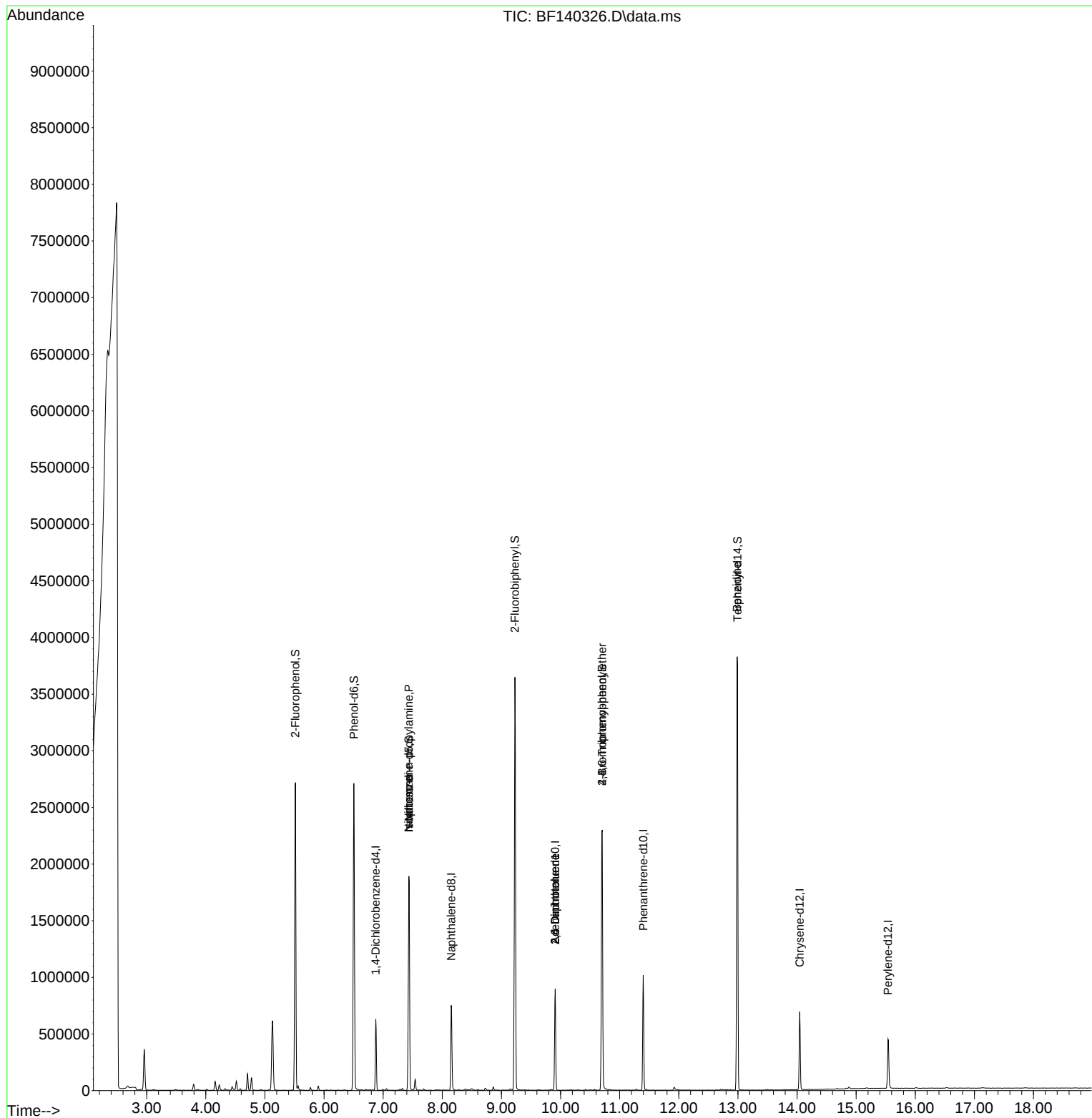
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128368	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	492184	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	273941	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	522344	20.000	ng	0.00
76) Chrysene-d12	14.045	240	321317	20.000	ng	-0.01
86) Perylene-d12	15.539	264	262304	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1075041	144.687	ng	0.02
7) Phenol-d6	6.504	99	1358608	137.608	ng	0.00
23) Nitrobenzene-d5	7.434	82	937213	98.853	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	421715	158.457	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1695330	97.706	ng	0.00
79) Terphenyl-d14	12.992	244	1986006	105.984	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	128562	21.381	ng	# 78
25) Isophorone	7.434	82	937202	56.750	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	34558	8.633	ng	# 20
57) 2,4-Dinitrotoluene	9.910	165	34558	6.556	ng	# 19
67) 4-Bromophenyl-phenylether	10.704	248	26852	5.131	ng	# 1
77) Benzidine	12.986	184	28106	2.496	ng	# 94

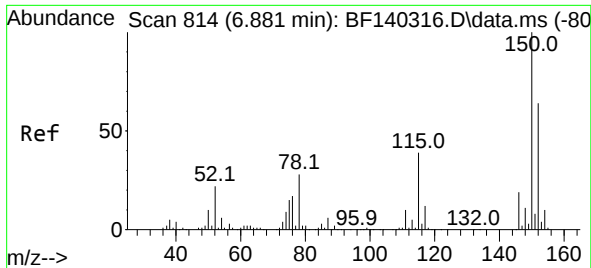
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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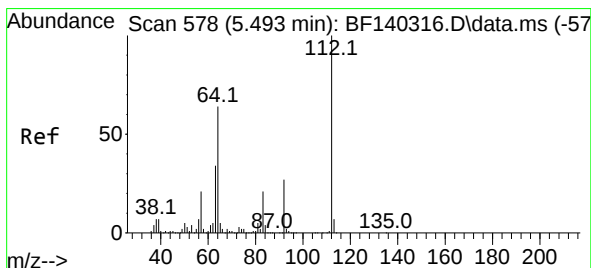
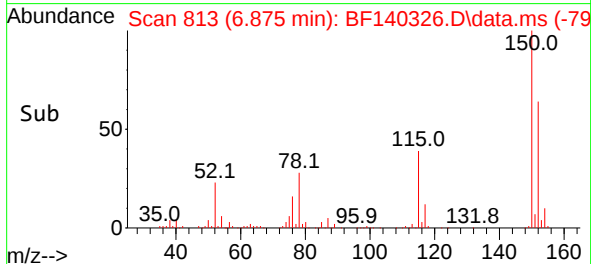
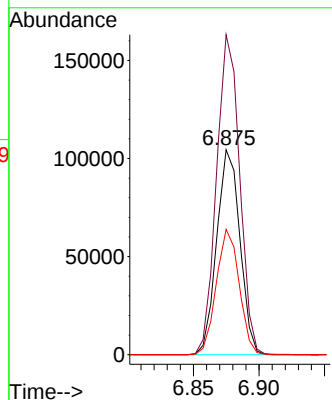
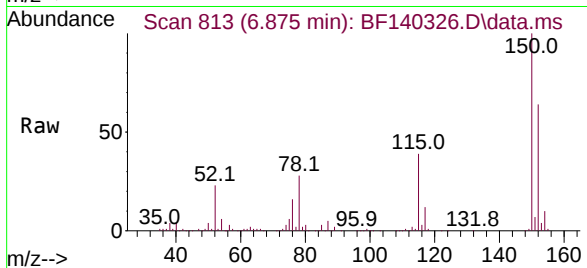




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

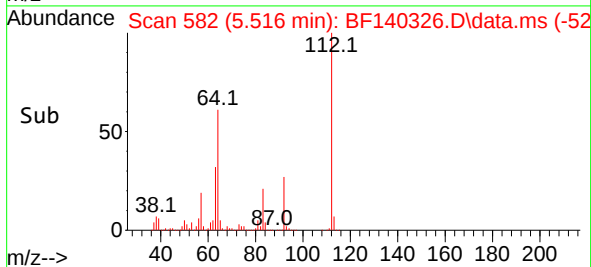
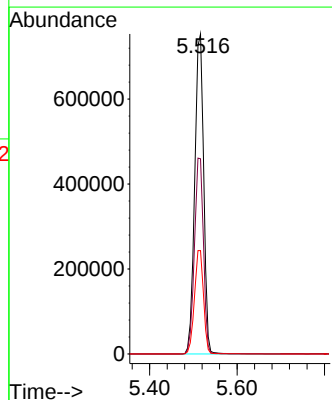
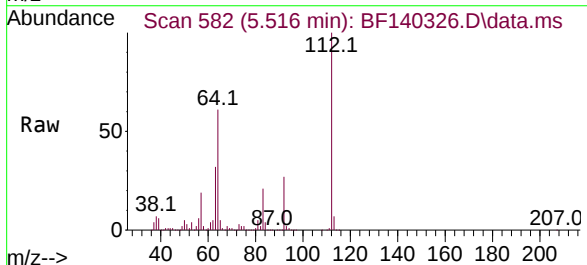
Instrument :
BNA_F
ClientSampleId :
BP-G3

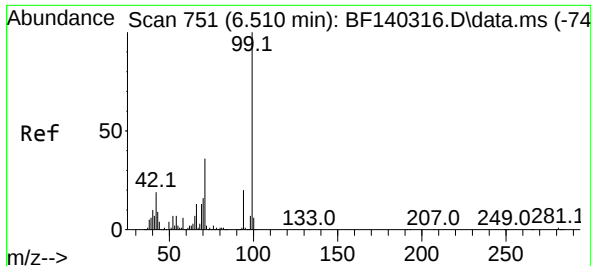
Tgt Ion:152 Resp: 128368
Ion Ratio Lower Upper
152 100
150 156.1 127.1 190.7
115 61.1 49.4 74.0



#5
2-Fluorophenol
Concen: 144.687 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.024 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

Tgt Ion:112 Resp: 1075041
Ion Ratio Lower Upper
112 100
64 61.0 51.0 76.6
63 32.3 26.9 40.3





#7

Phenol-d6

Concen: 137.608 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140326.D

Acq: 11 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

BP-G3

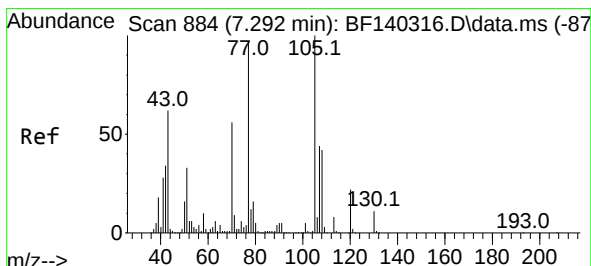
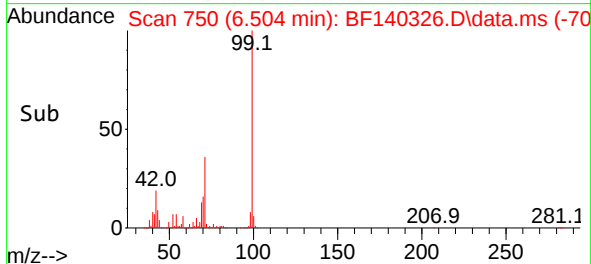
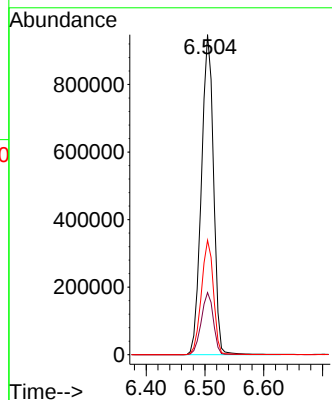
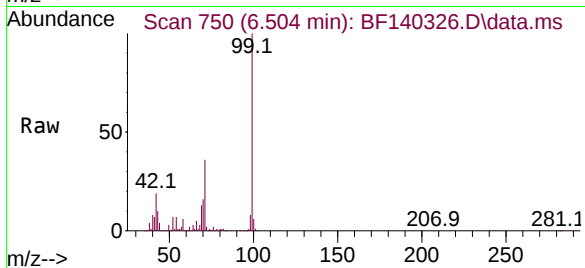
Tgt Ion: 99 Resp: 1358608

Ion Ratio Lower Upper

99 100

42 19.4 15.5 23.3

71 35.7 28.8 43.2



#19

n-Nitroso-di-n-propylamine

Concen: 21.381 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.141 min

Lab File: BF140326.D

Acq: 11 Nov 2024 19:18

Tgt Ion: 70 Resp: 128562

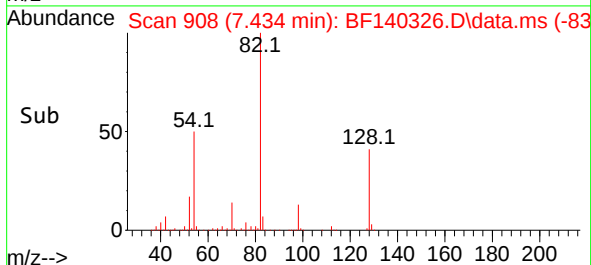
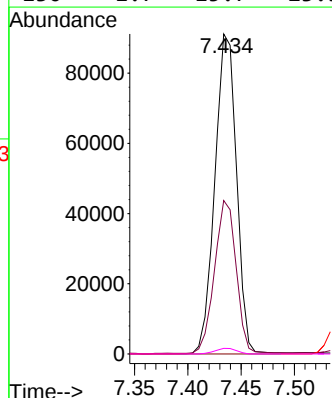
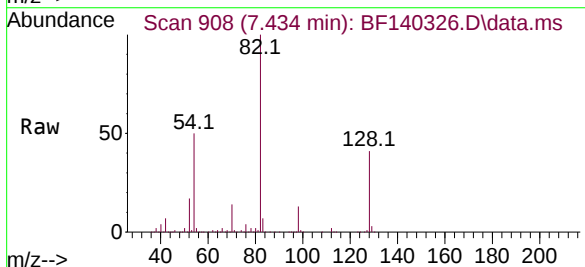
Ion Ratio Lower Upper

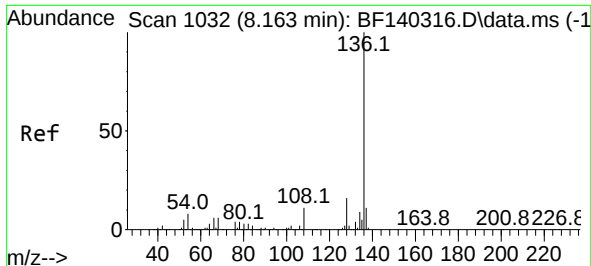
70 100

42 47.9 48.0 72.0#

101 0.0 7.4 11.0#

130 1.7 15.7 23.5#



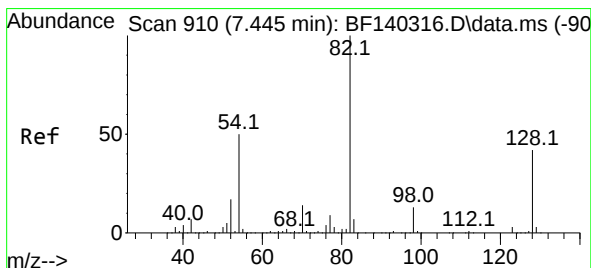
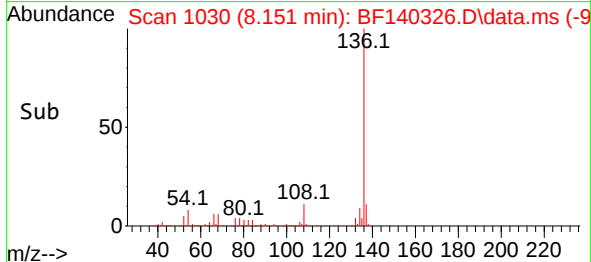
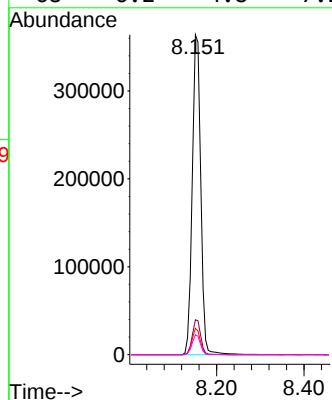
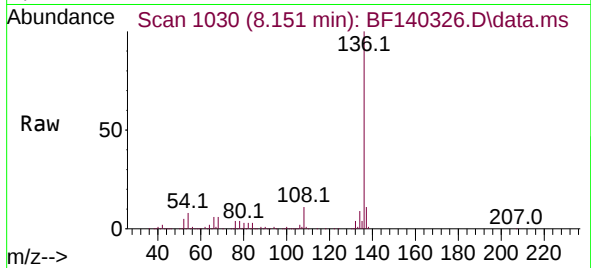


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

Instrument :
BNA_F
ClientSampleId :
BP-G3

Tgt Ion:136 Resp: 492184

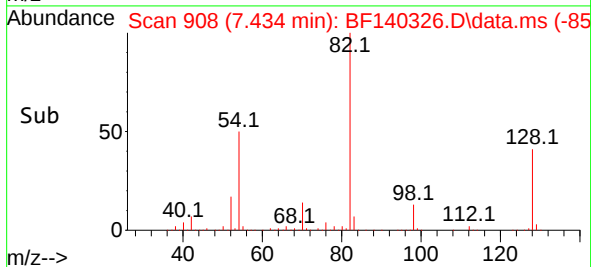
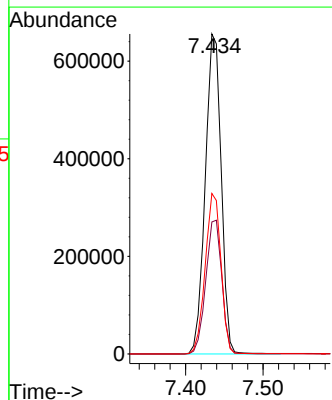
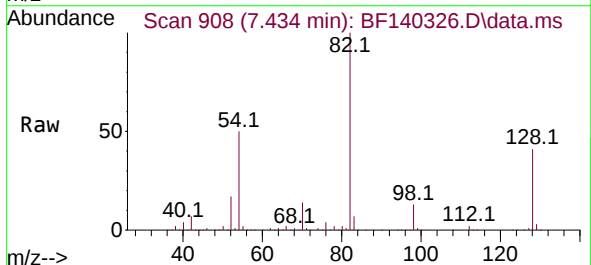
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.2	6.2	9.2
68	6.2	4.8	7.2

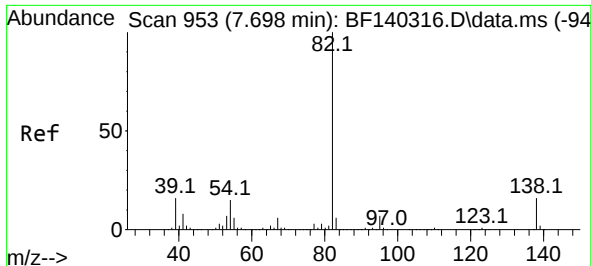


#23
Nitrobenzene-d5
Concen: 98.853 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

Tgt Ion: 82 Resp: 937213

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.8	50.6
54	50.2	40.0	60.0

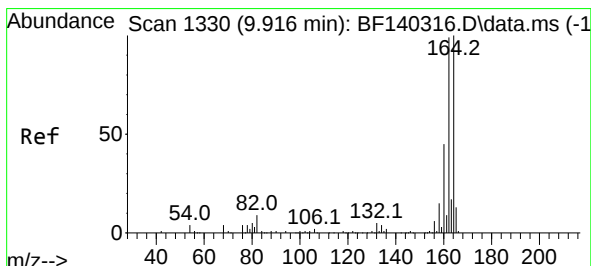
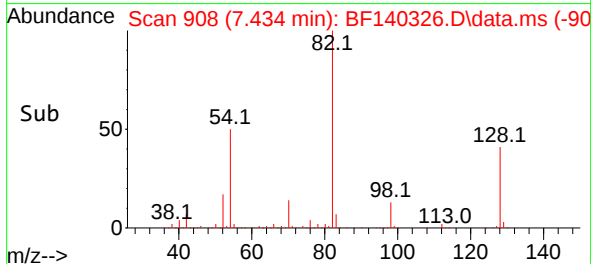
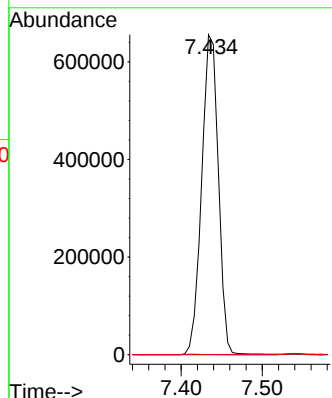
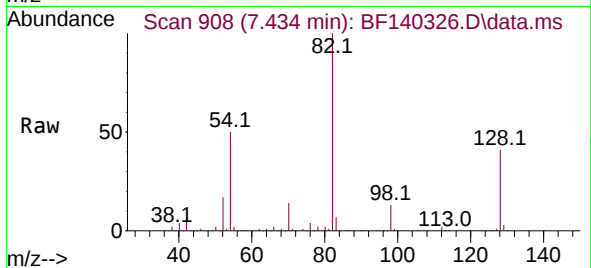




#25
Isophorone
Concen: 56.750 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

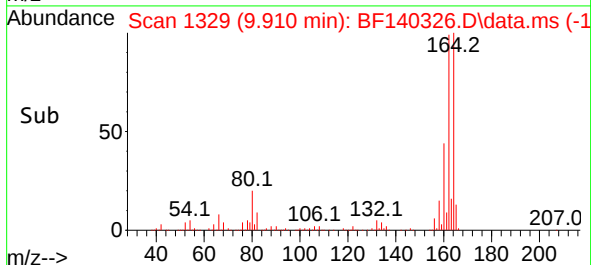
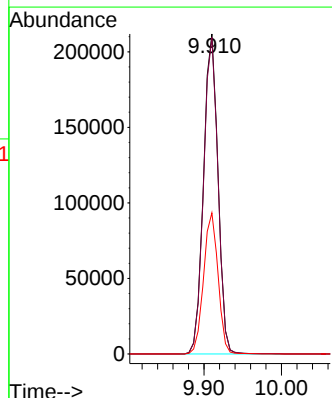
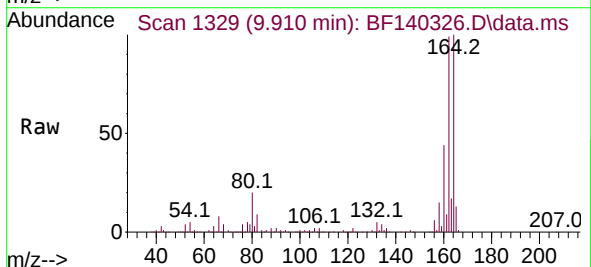
Instrument :
BNA_F
ClientSampleId :
BP-G3

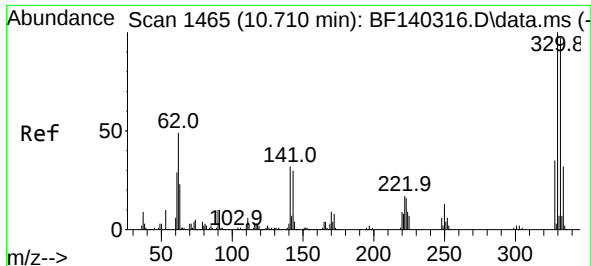
Tgt Ion: 82 Resp: 937202
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

Tgt Ion:164 Resp: 273941
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 158.457 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140326.D

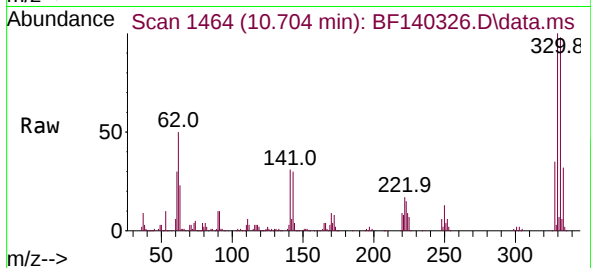
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Instrument :

BNA_F

ClientSampleId :

BP-G3



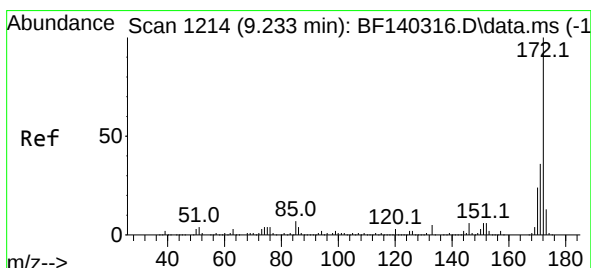
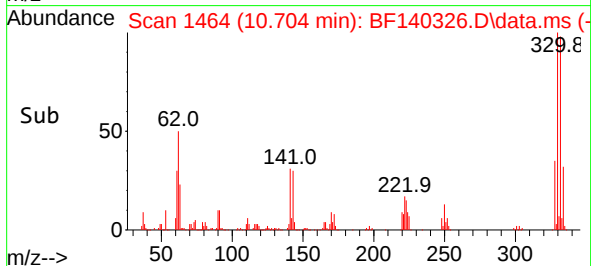
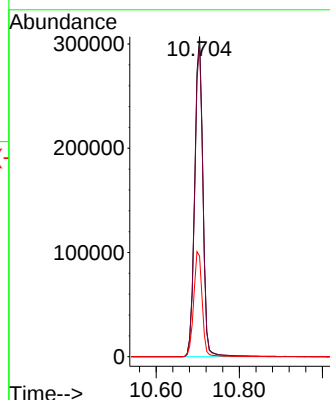
Tgt Ion:330 Resp: 421715

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 33.9 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 97.706 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140326.D

Acq: 11 Nov 2024 19:18

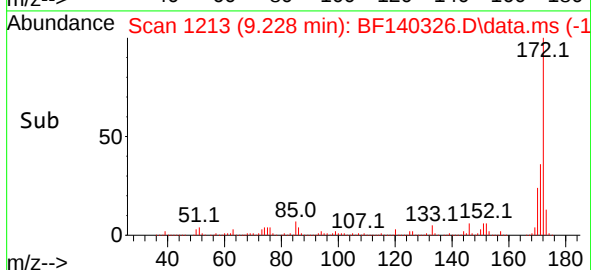
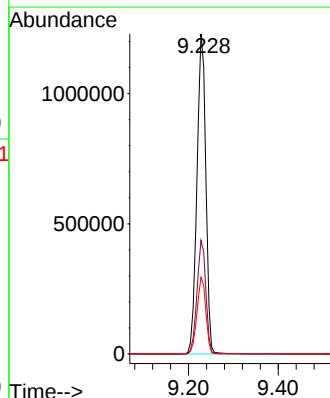
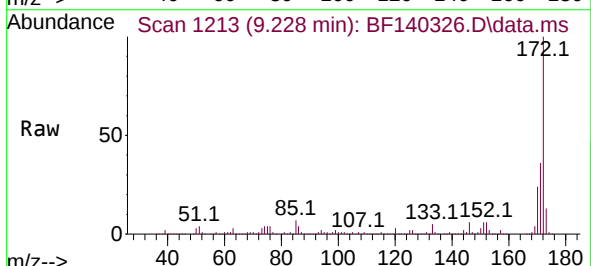
Tgt Ion:172 Resp: 1695330

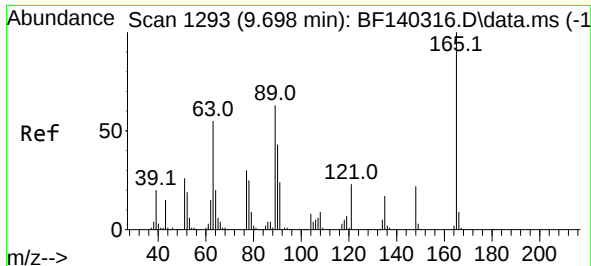
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 24.0 19.3 28.9

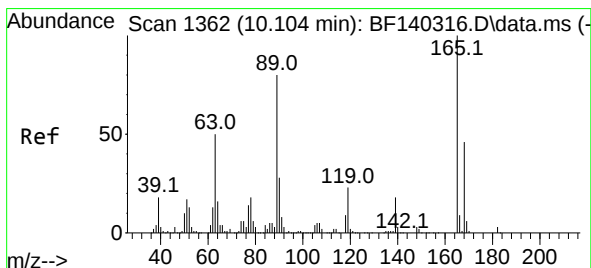
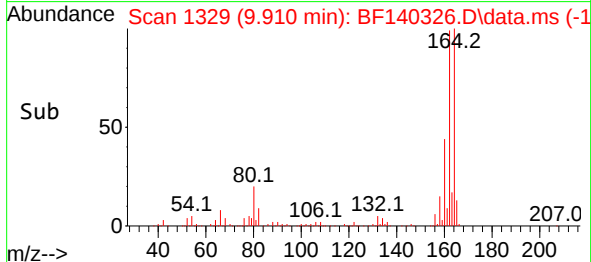
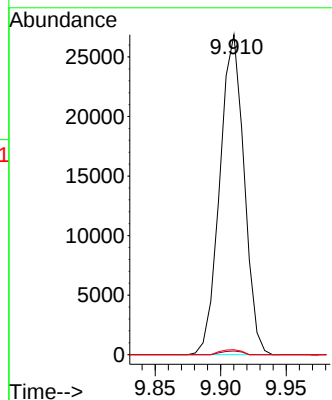
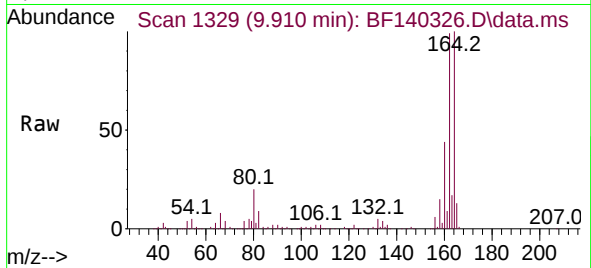




#51
2,6-Dinitrotoluene
Concen: 8.633 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

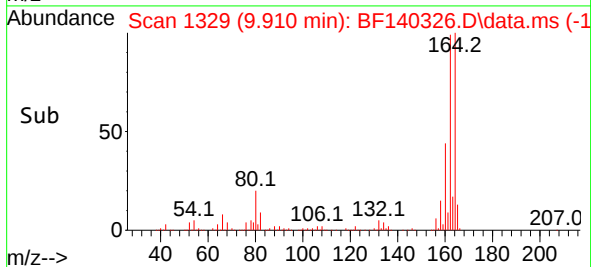
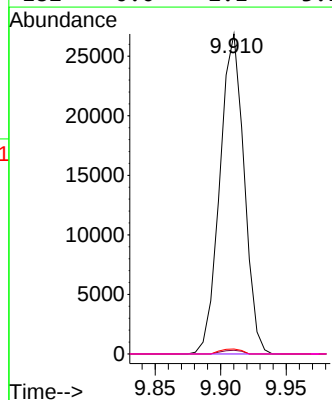
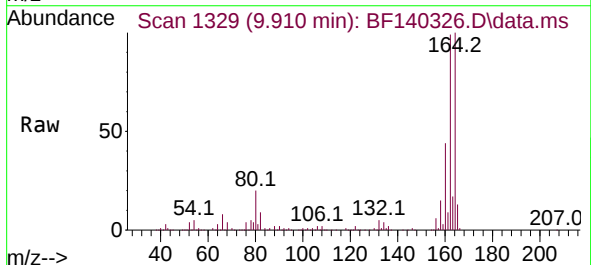
Instrument :
BNA_F
ClientSampleId :
BP-G3

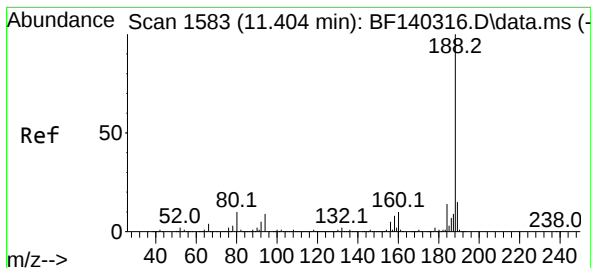
Tgt Ion:165 Resp: 34558
Ion Ratio Lower Upper
165 100
63 1.1 50.7 76.1#
89 1.6 50.4 75.6#



#57
2,4-Dinitrotoluene
Concen: 6.556 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

Tgt Ion:165 Resp: 34558
Ion Ratio Lower Upper
165 100
63 1.1 40.6 60.8#
89 1.6 63.8 95.8#
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: BF140326.D

Acq: 11 Nov 2024 19:18

Instrument :

BNA_F

ClientSampleId :

BP-G3

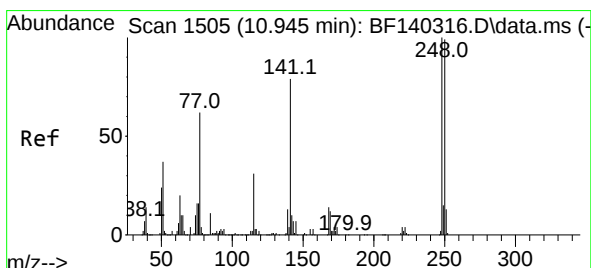
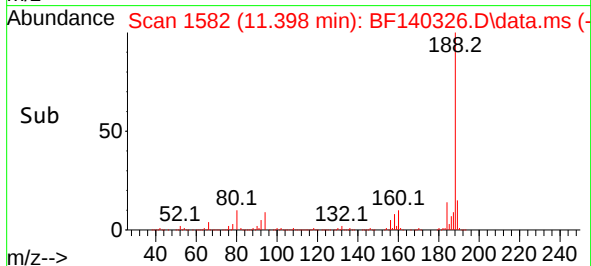
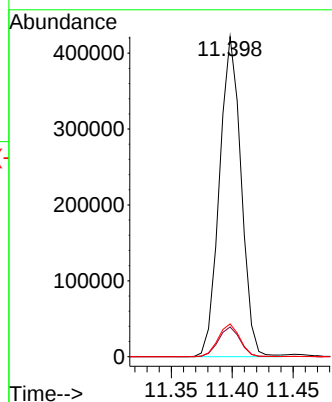
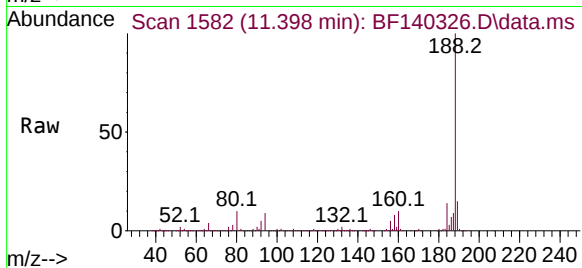
Tgt Ion:188 Resp: 522344

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.2 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 5.131 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140326.D

Acq: 11 Nov 2024 19:18

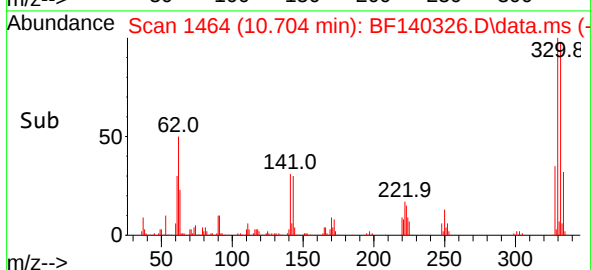
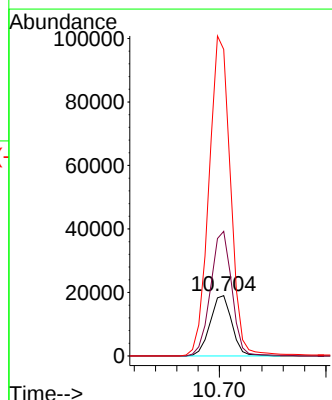
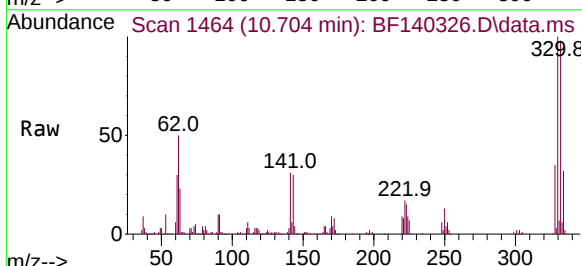
Tgt Ion:248 Resp: 26852

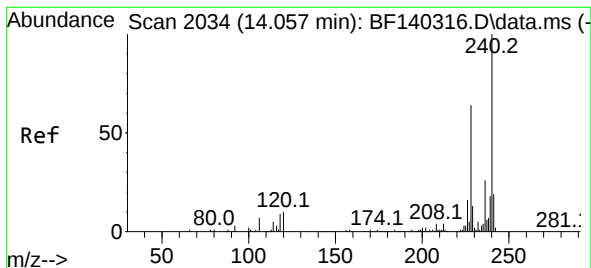
Ion Ratio Lower Upper

248 100

250 206.7 79.1 118.7#

141 508.3 63.5 95.3#

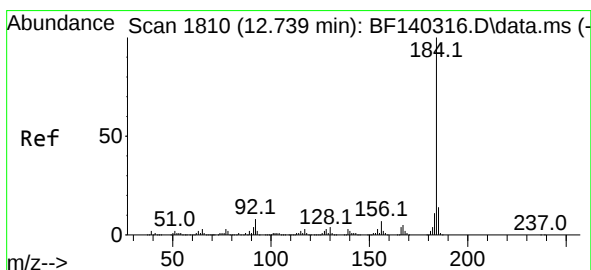
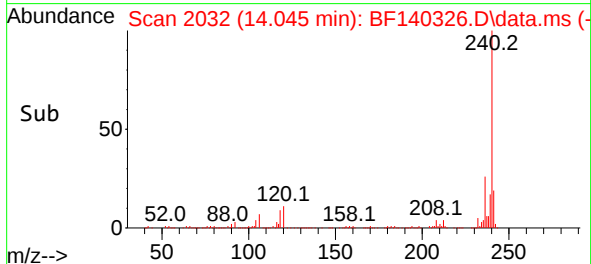
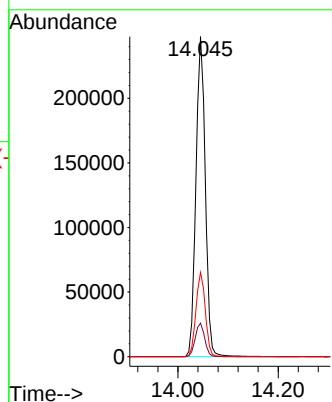
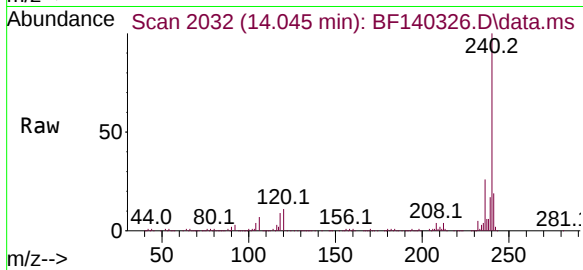




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

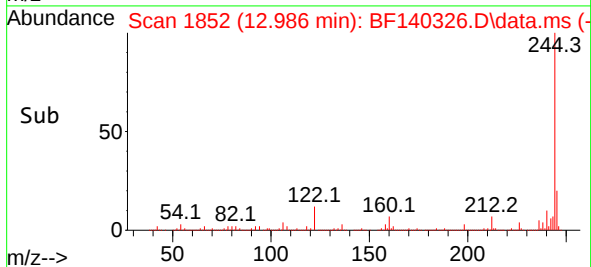
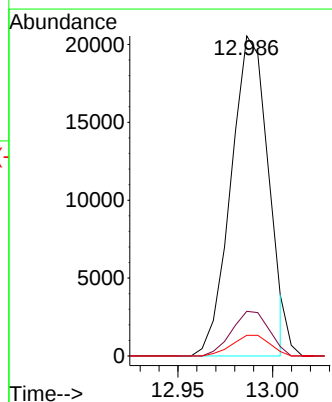
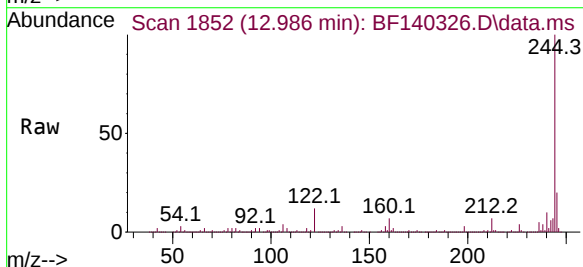
Instrument :
BNA_F
ClientSampleId :
BP-G3

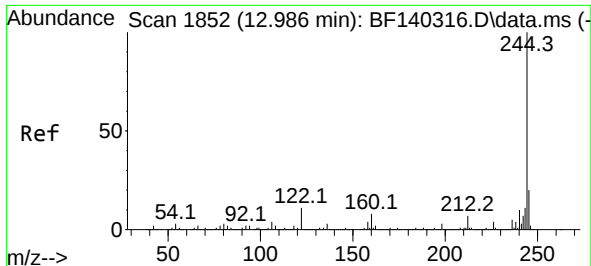
Tgt Ion:240 Resp: 321317
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.4
236 26.3 20.9 31.3



#77
Benzidine
Concen: 2.496 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF140326.D
Acq: 11 Nov 2024 19:18

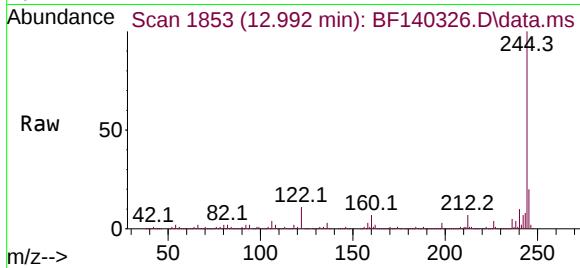
Tgt Ion:184 Resp: 28106
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 6.4 8.6 13.0#



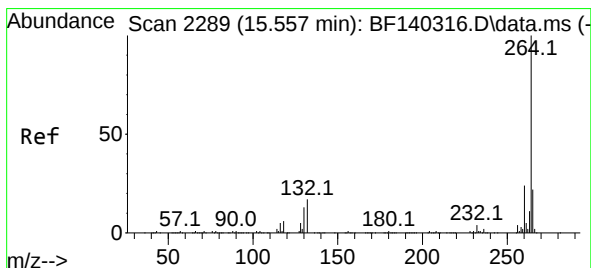
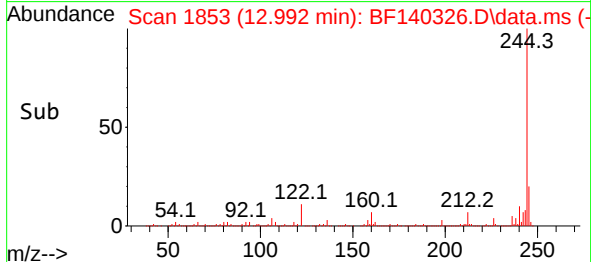
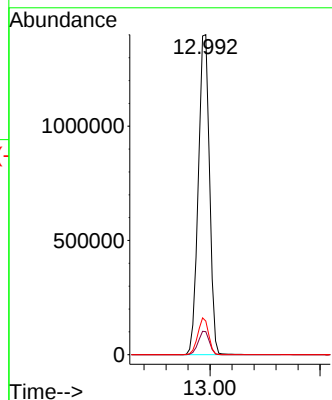


#79
 Terphenyl-d14
 Concen: 105.984 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF140326.D
 Acq: 11 Nov 2024 19:18

Instrument :
 BNA_F
 ClientSampleId :
 BP-G3



Tgt Ion:244 Resp: 1986006
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.5 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2286
 Delta R.T. -0.018 min
 Lab File: BF140326.D
 Acq: 11 Nov 2024 19:18

Tgt Ion:264 Resp: 262304
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.6 29.4
 265 21.3 17.6 26.4

