

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086238.D
 Acq On : 16 Apr 2016 2:19
 Operator : UM/SJ
 Sample : H2402-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-4-7-16

Quant Time: Apr 16 03:57:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

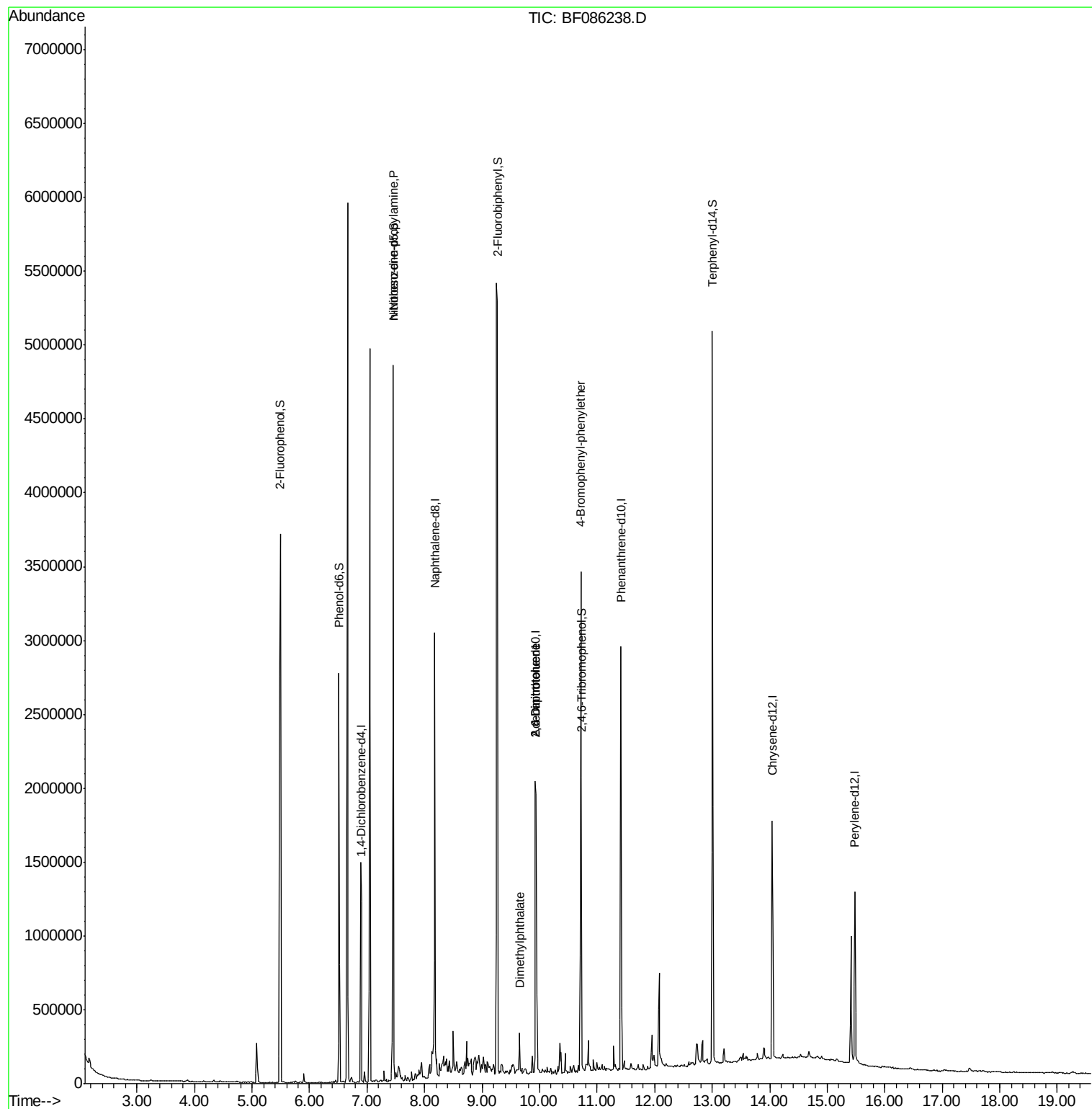
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	308023	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1243378	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	558630	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	950318	20.00	ng	0.00
75) Chrysene-d12	14.04	240	644031	20.00	ng	-0.01
86) Perylene-d12	15.48	264	502152	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1355397	72.10	ng	0.01
7) Phenol-d6	6.51	99	982198	41.77	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1742373	80.82	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	525126	117.07	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2602339	85.96	ng	0.00
78) Terphenyl-d14	13.00	244	1769053	69.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	247267	16.43	ng	# 81
22) Acetophenone	7.30	105	17609	Below Cal	#	96
49) Dimethylphthalate	9.65	163	139608	3.44	ng	99
50) 2,6-Dinitrotoluene	9.93	165	72098	8.02	ng	# 32
56) 2,4-Dinitrotoluene	9.93	165	72089	6.27	ng	# 31
57) Fluorene	10.48	166	1016	Below Cal	#	81
66) 4-Bromophenyl-phenylether	10.72	248	32366	3.65	ng	# 1
71) Anthracene	11.49	178	3539	Below Cal	#	86
74) Fluoranthene	12.62	202	4927	Below Cal		75

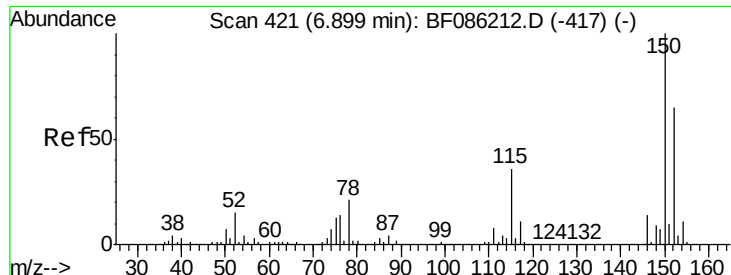
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Instrument :

BNA_F

ClientSampleId :

MW-2-4-7-16

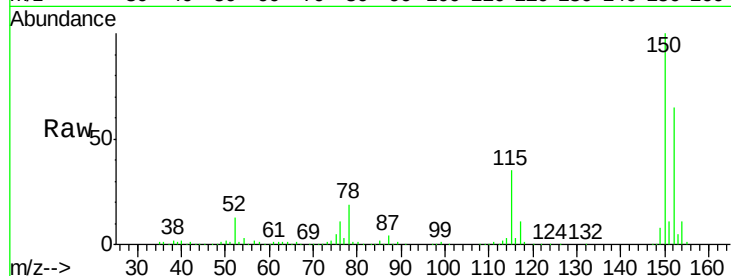
Tgt Ion:152 Resp: 308023

Ion Ratio Lower Upper

152 100

150 153.5 124.1 186.1

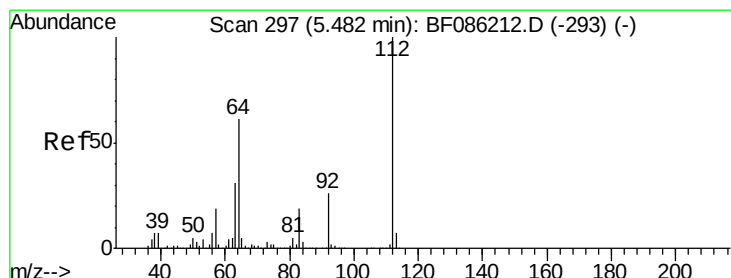
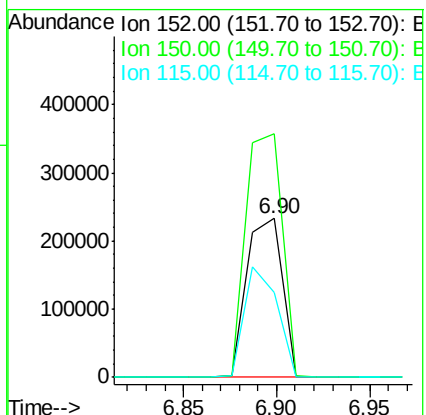
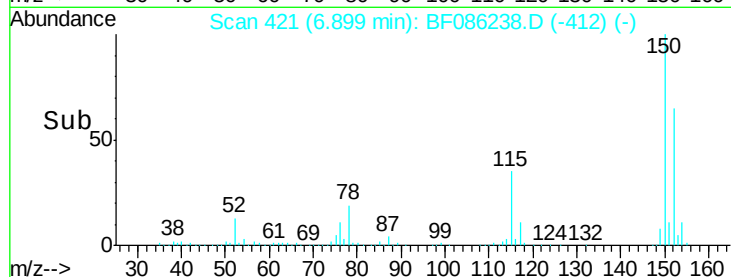
115 53.2 43.9 65.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 72.10 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

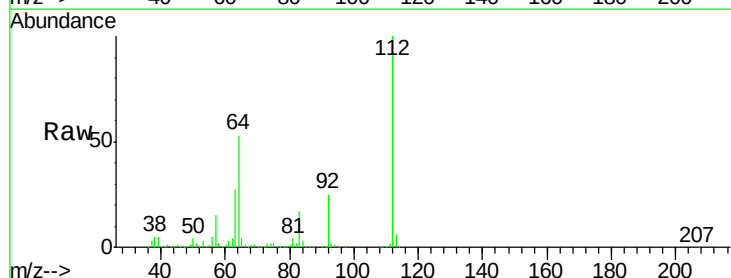
Tgt Ion:112 Resp: 1355397

Ion Ratio Lower Upper

112 100

64 52.9 48.1 72.1

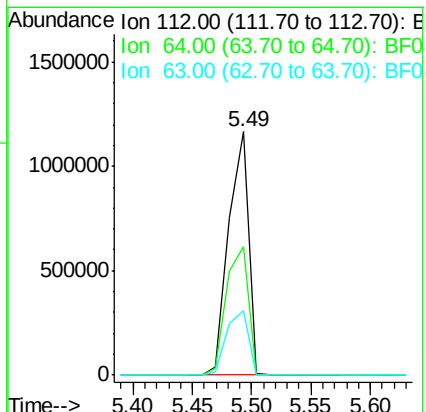
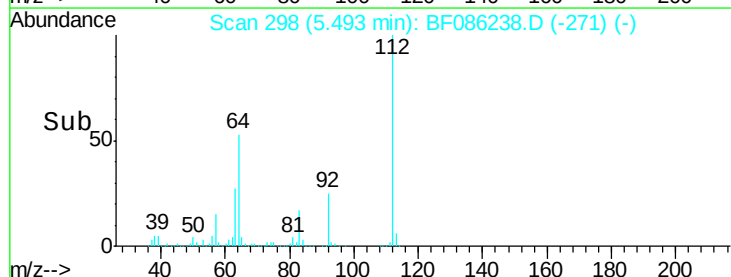
63 26.6 25.5 38.3

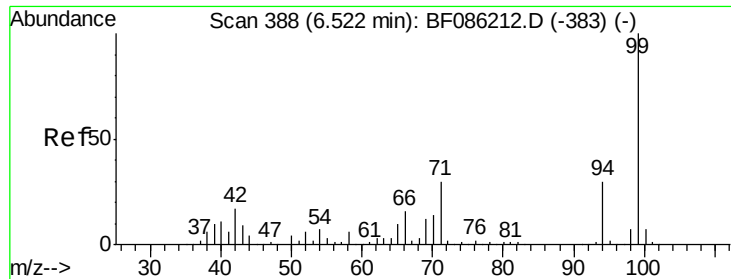


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.77 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Instrument :

BNA_F

ClientSampleId :

MW-2-4-7-16

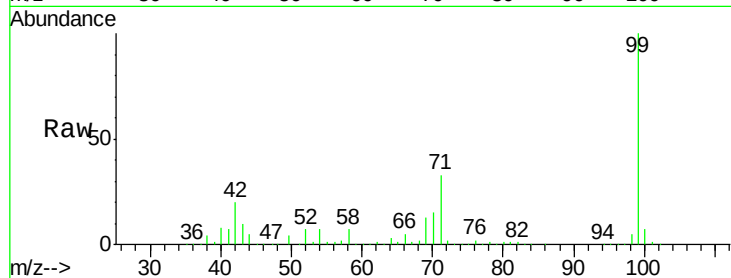
Tgt Ion: 99 Resp: 982198

Ion Ratio Lower Upper

99 100

42 20.3 15.4 23.2

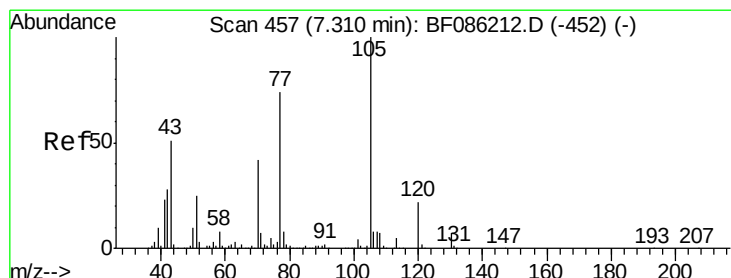
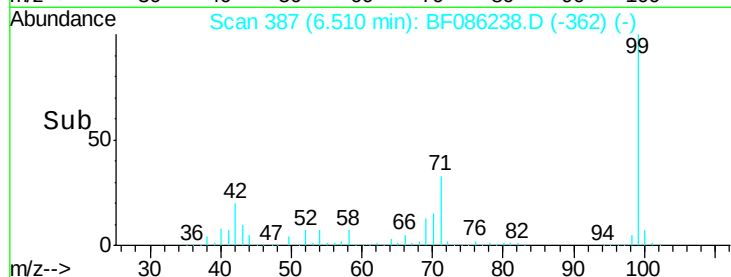
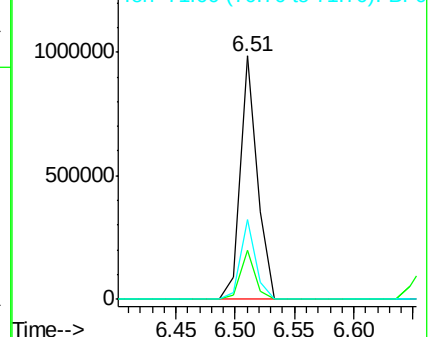
71 33.0 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.43 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Tgt Ion: 70 Resp: 247267

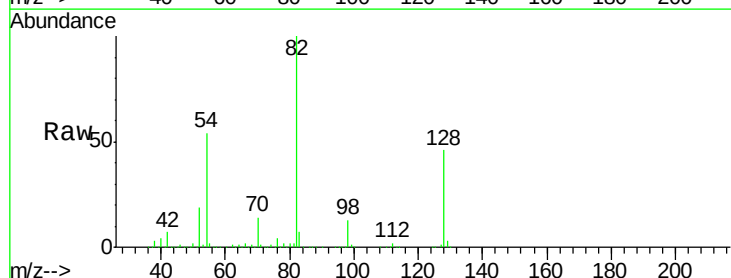
Ion Ratio Lower Upper

70 100

42 50.5 43.0 64.4

101 0.0 8.1 12.1#

130 2.2 20.1 30.1#

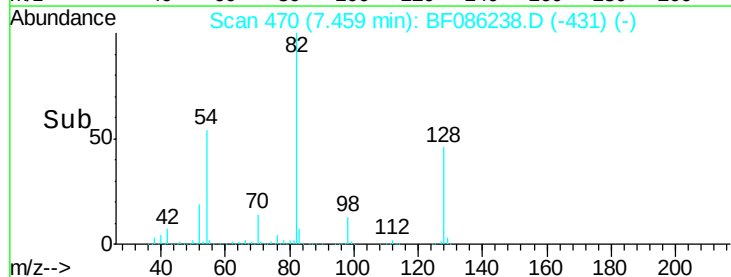
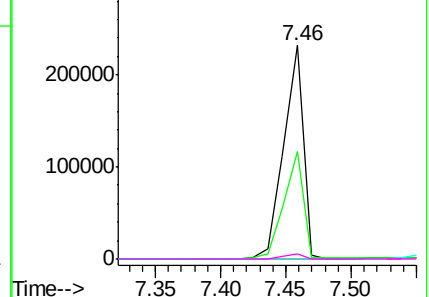


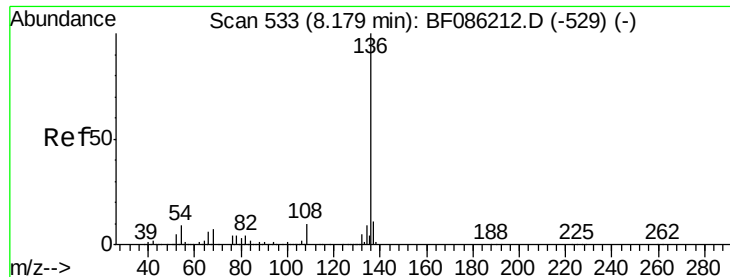
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



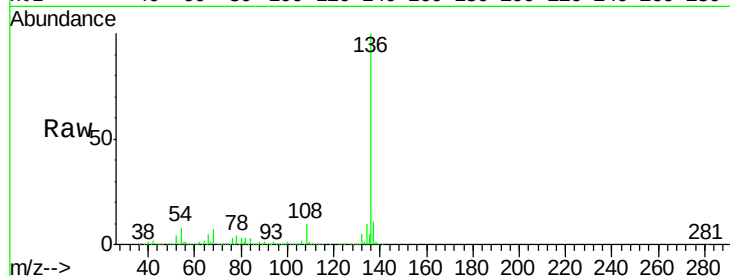


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086238.D
Acq: 16 Apr 2016 2:19

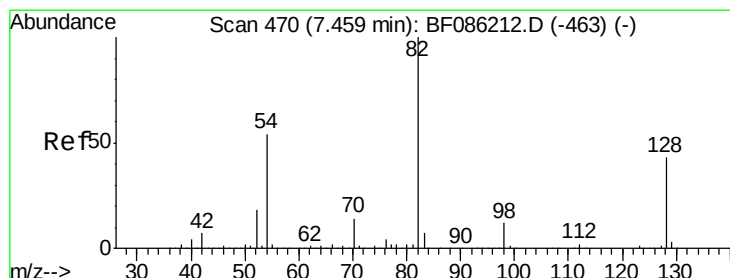
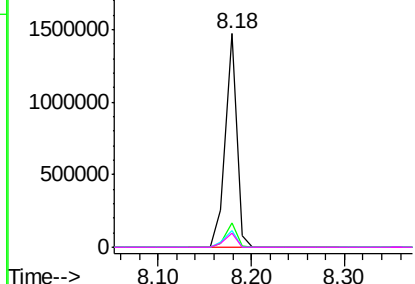
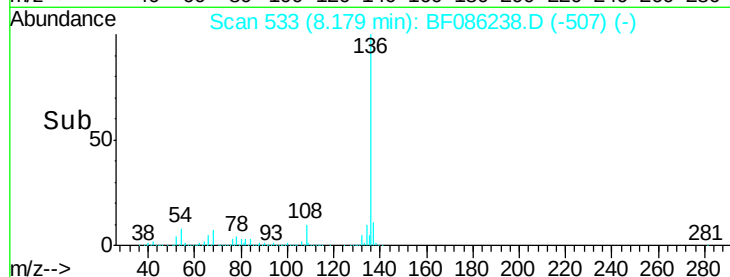
Instrument :
BNA_F
ClientSampleId :
MW-2-4-7-16

Tgt Ion: 136 Resp: 1243378

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	7.3	10.9
68	6.7	5.7	8.5



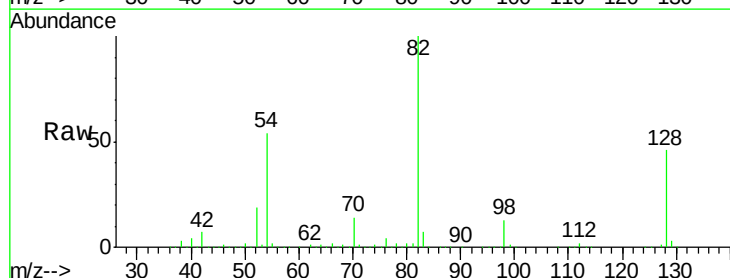
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



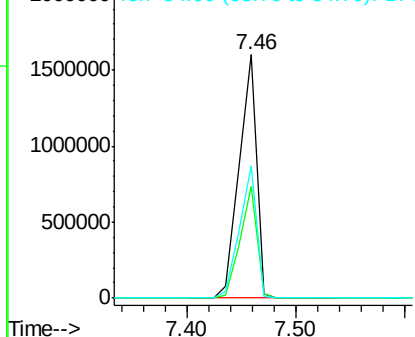
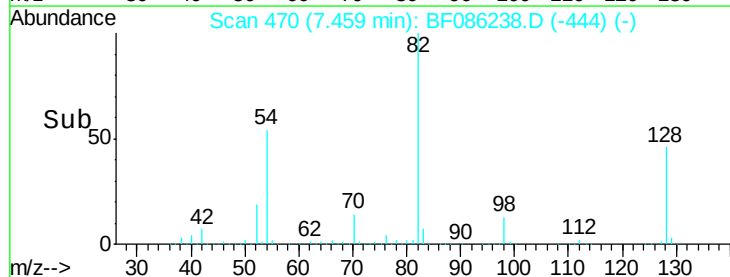
#23
Nitrobenzene-d5
Concen: 80.82 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF086238.D
Acq: 16 Apr 2016 2:19

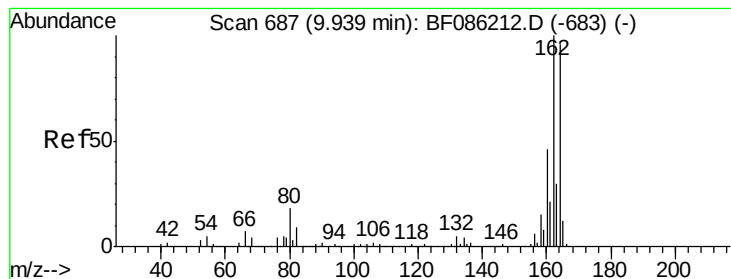
Tgt Ion: 82 Resp: 1742373

Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.4	53.2
54	54.1	43.4	65.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Instrument :

BNA_F

ClientSampleId :

MW-2-4-7-16

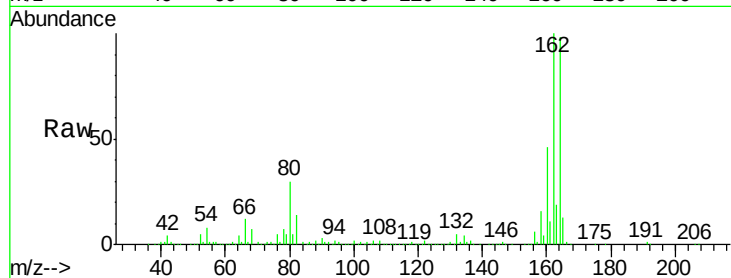
Tgt Ion:164 Resp: 558630

Ion Ratio Lower Upper

164 100

162 101.7 82.8 124.2

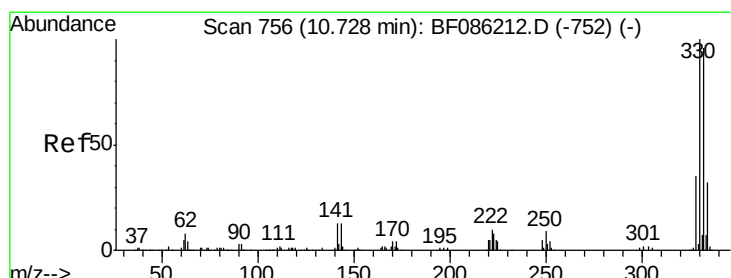
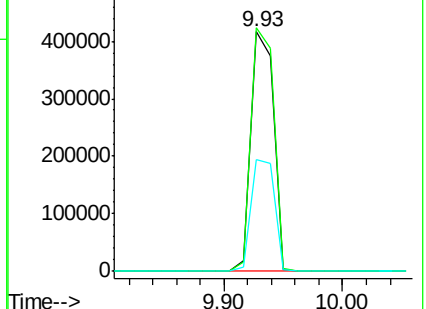
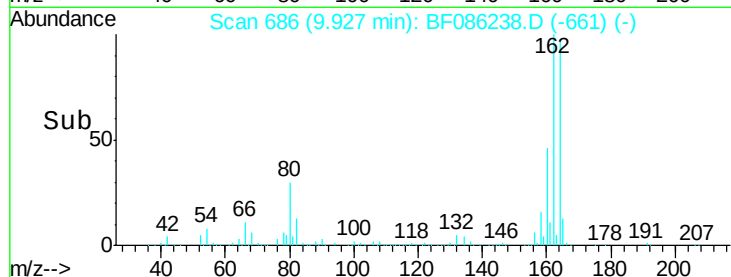
160 46.4 38.9 58.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.07 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

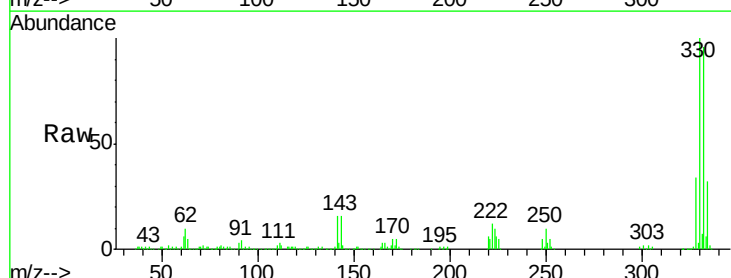
Tgt Ion:330 Resp: 525126

Ion Ratio Lower Upper

330 100

332 96.4 78.7 118.1

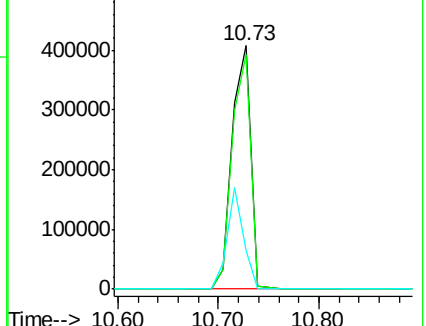
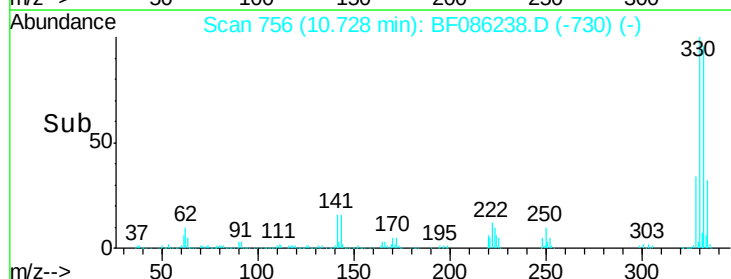
141 36.9 28.6 42.8

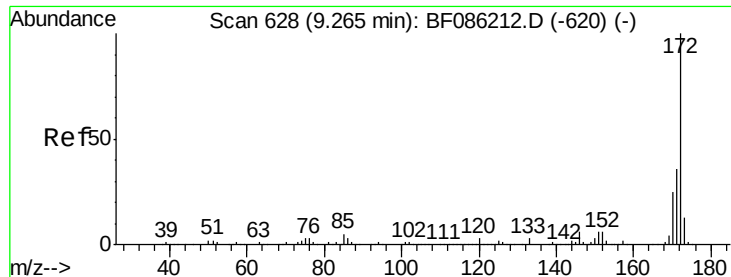


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

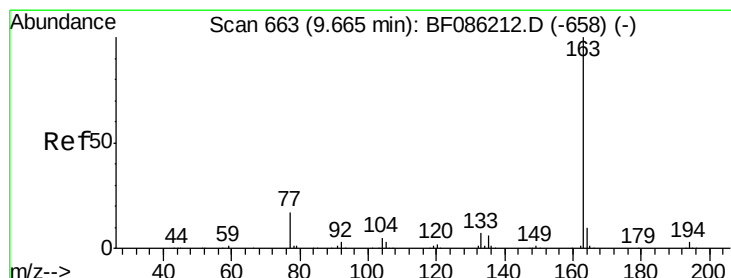
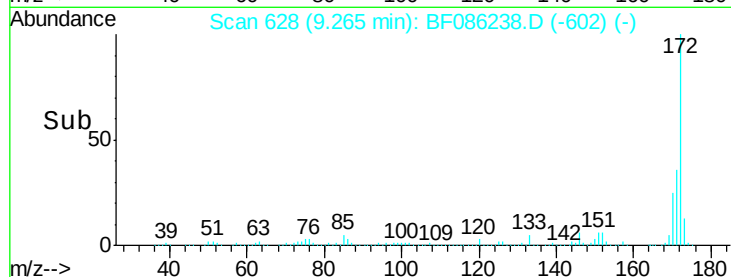
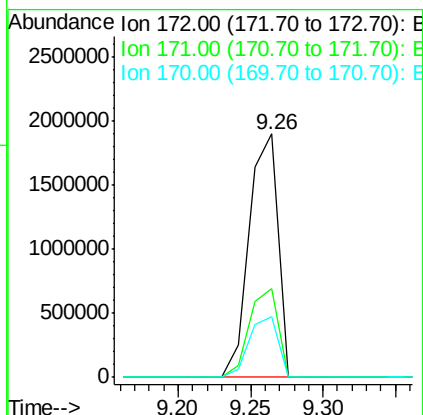
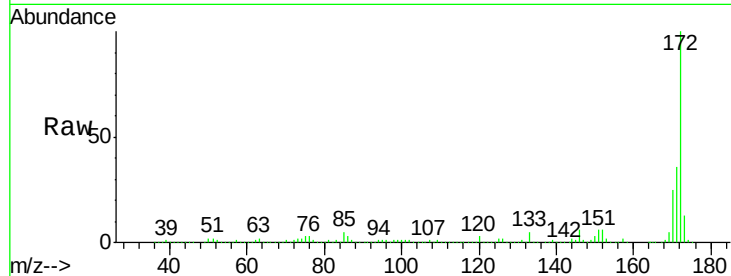




#44
 2-Fluorobiphenyl
 Concen: 85.96 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

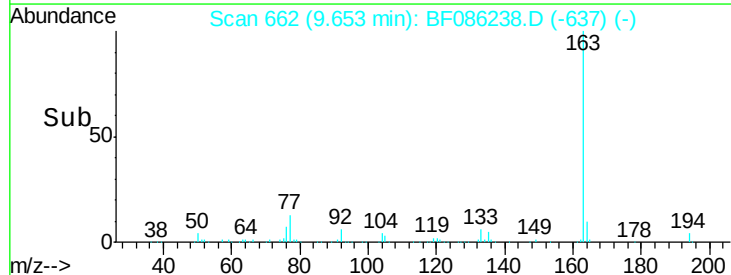
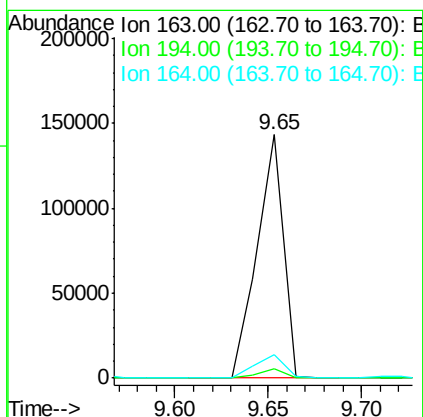
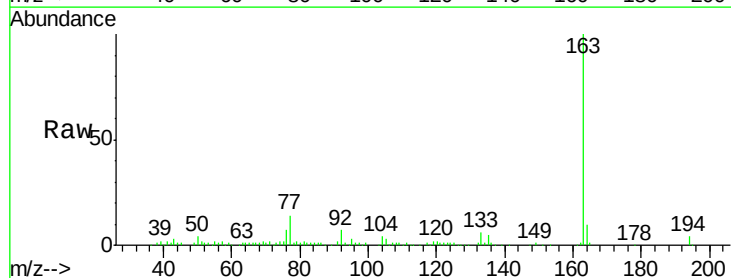
Instrument :
 BNA_F
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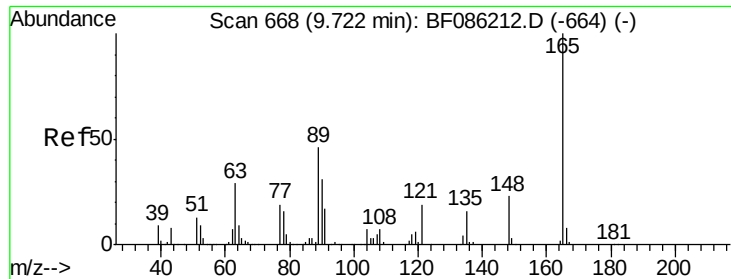
Tgt Ion:172 Resp: 2602339
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.1 43.7
 170 24.9 19.9 29.9



#49
 Dimethylphthalate
 Concen: 3.44 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

Tgt Ion:163 Resp: 139608
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.8 4.2
 164 9.8 8.4 12.6

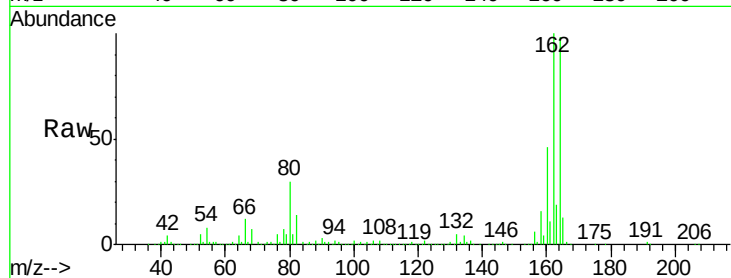




#50
 2,6-Dinitrotoluene
 Concen: 8.02 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.21 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-4-7-16

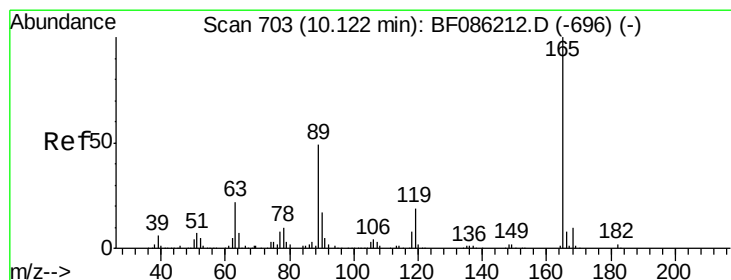
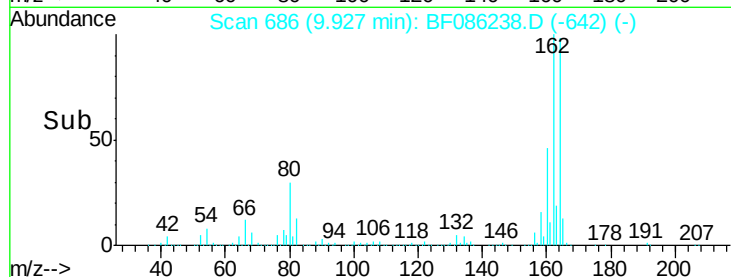
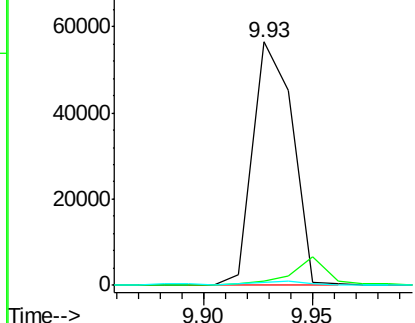
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.1	52.7#
89	1.4	39.8	59.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.27 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.19 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

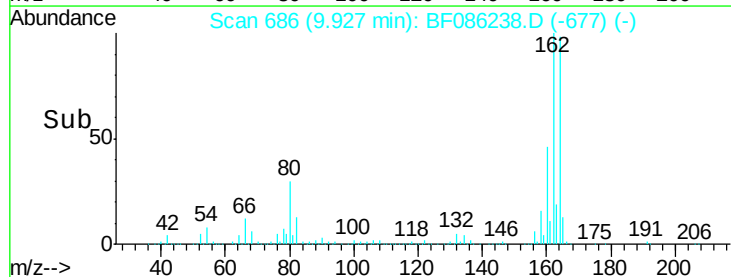
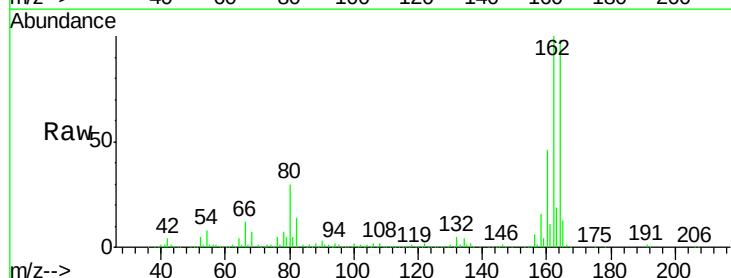
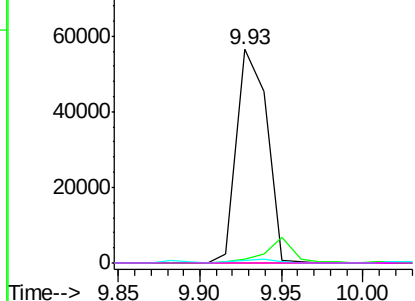
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	26.6	40.0#
89	1.4	49.5	74.3#
182	0.0	1.9	2.9#

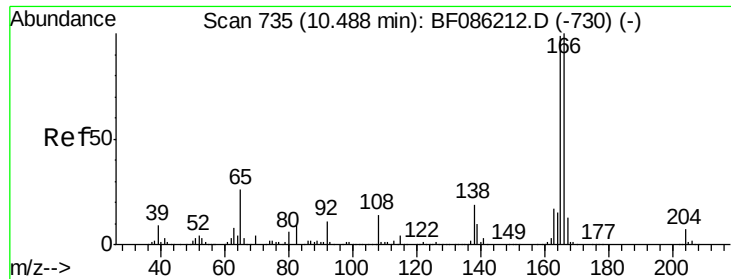
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

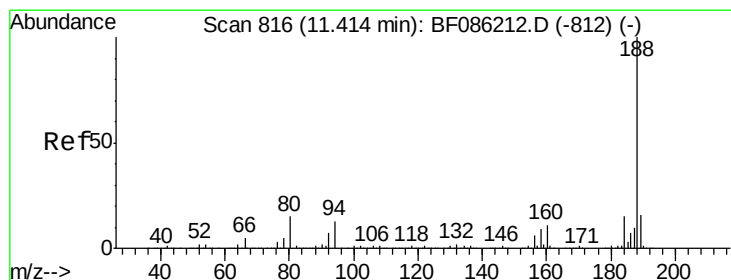
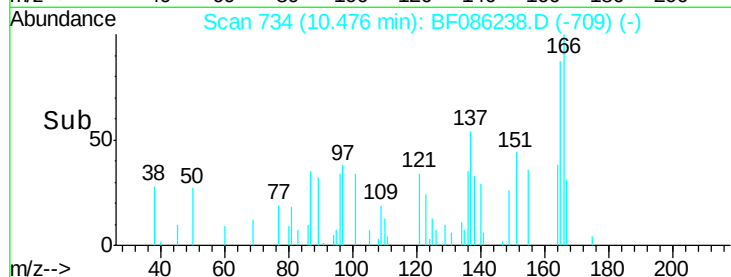
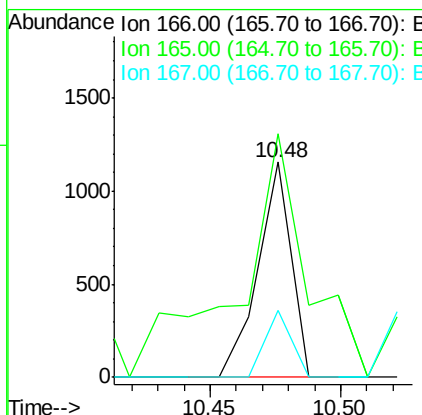
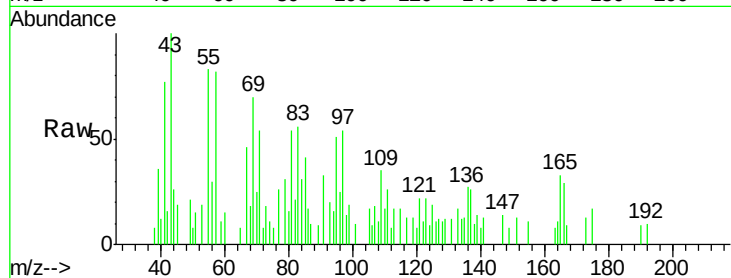




#57
 Fluorene
 Concen: Below Cal
 RT: 10.48 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

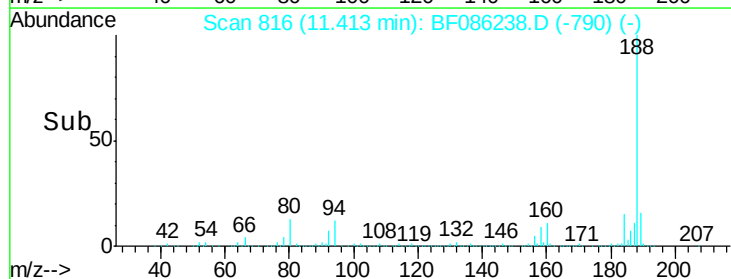
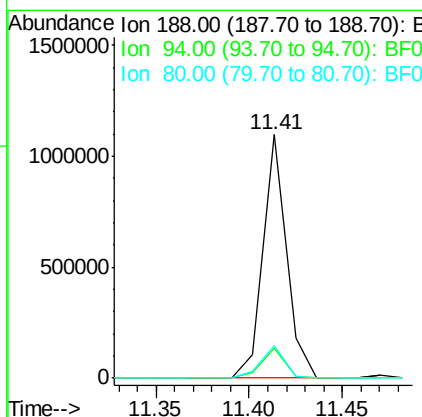
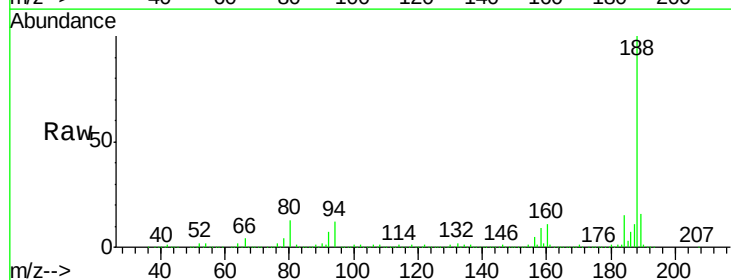
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-4-7-16

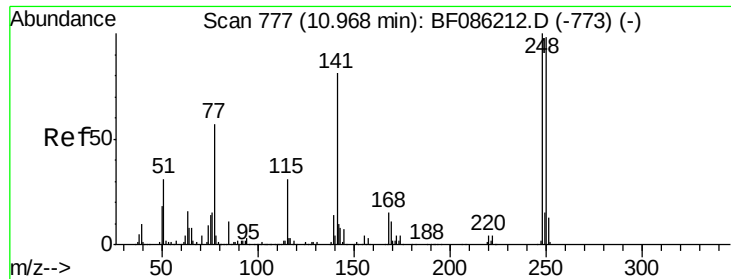
Tgt Ion:166 Resp: 1016
 Ion Ratio Lower Upper
 166 100
 165 113.3 78.6 117.8
 167 31.0 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF086238.D
 Acq: 16 Apr 2016 2:19

Tgt Ion:188 Resp: 950318
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.8 14.8
 80 13.1 10.5 15.7





#66

4-Bromophenyl-phenylether

Concen: 3.65 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Instrument :

BNA_F

ClientSampleId :

MW-2-4-7-16

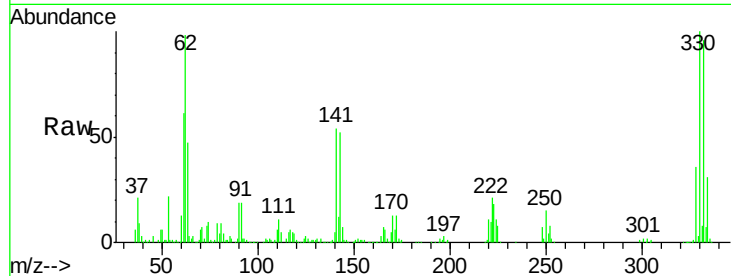
Tgt Ion:248 Resp: 32366

Ion Ratio Lower Upper

248 100

250 197.3 78.6 118.0#

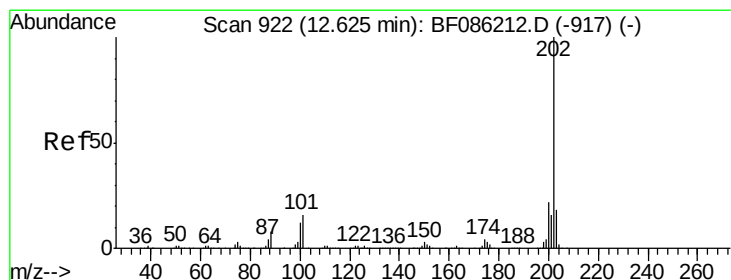
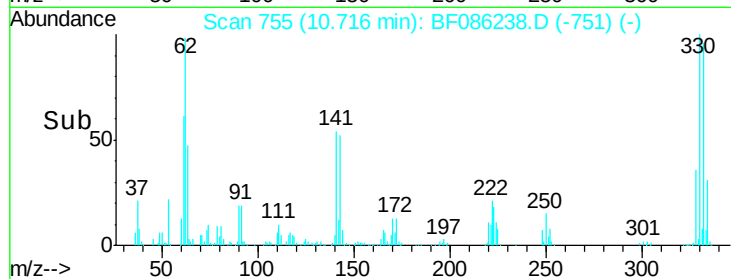
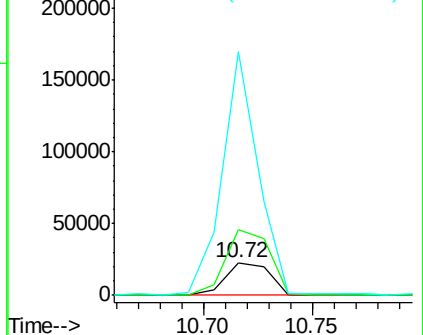
141 736.9 57.9 86.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

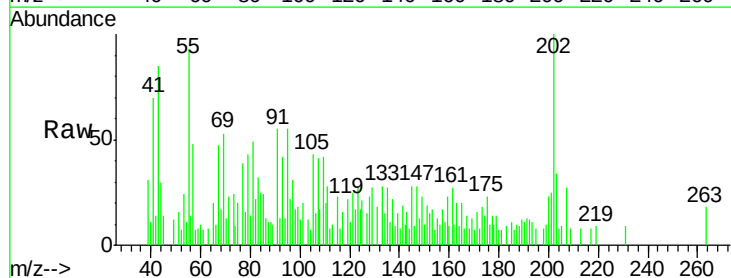
Tgt Ion:202 Resp: 4927

Ion Ratio Lower Upper

202 100

101 20.1 0.0 35.2

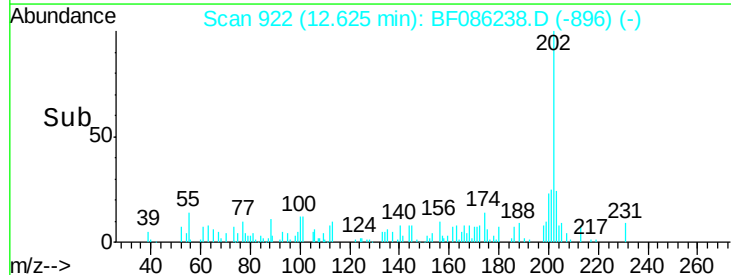
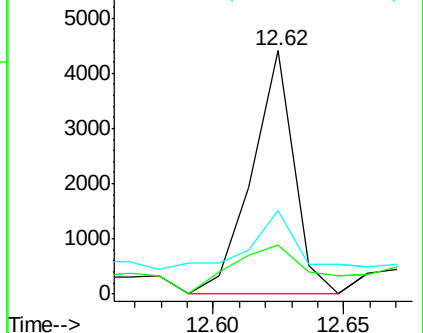
203 34.1 0.0 38.2

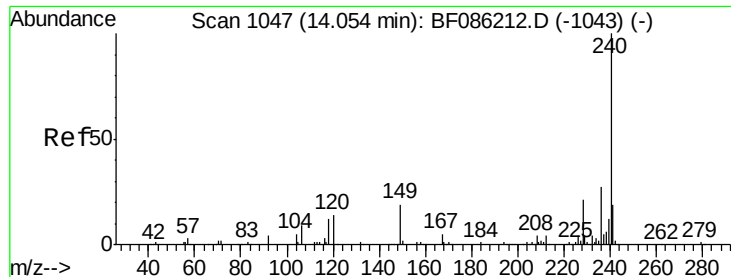


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

Instrument :

BNA_F

ClientSampleId :

MW-2-4-7-16

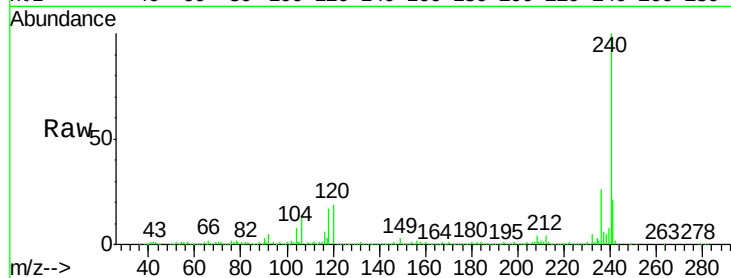
Tgt Ion:240 Resp: 644031

Ion Ratio Lower Upper

240 100

120 19.4 9.3 13.9#

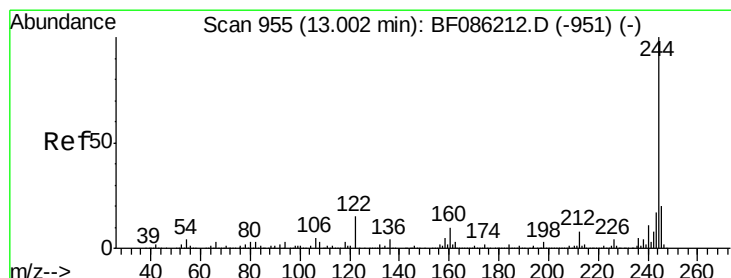
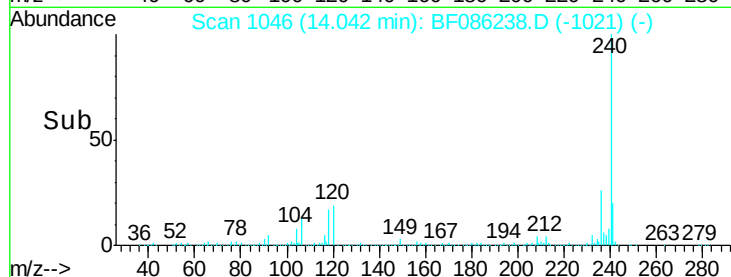
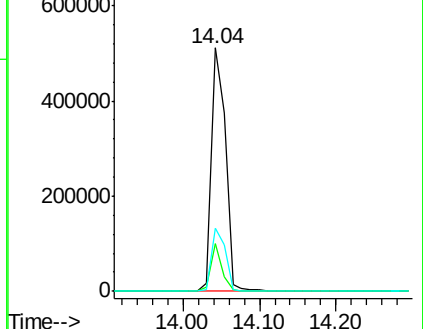
236 26.0 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 69.07 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086238.D

Acq: 16 Apr 2016 2:19

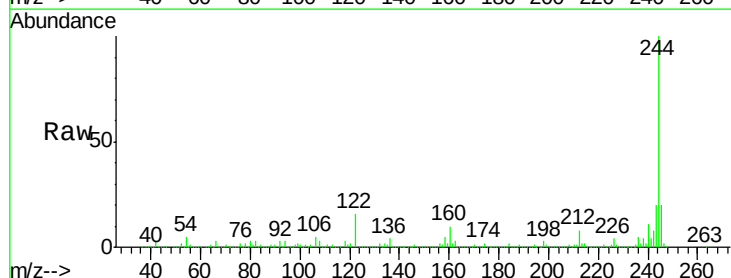
Tgt Ion:244 Resp: 1769053

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

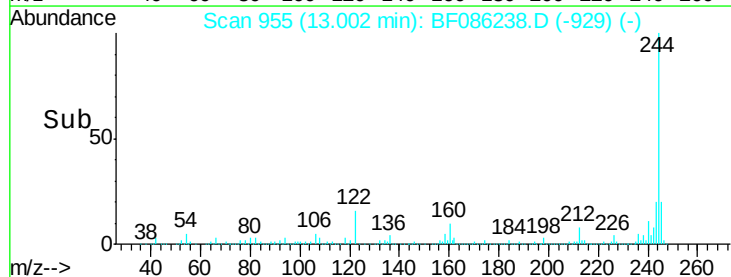
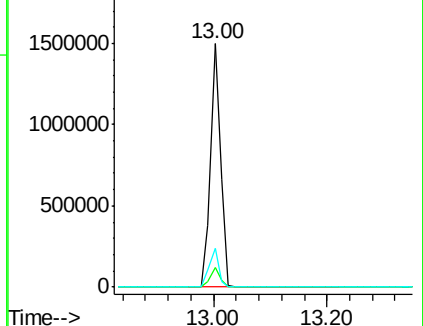
122 16.2 11.7 17.5

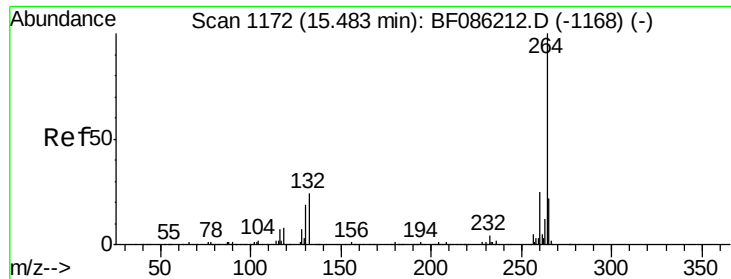


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086238.D
Acq: 16 Apr 2016 2:19

Instrument :
BNA_F
ClientSampleId :
MW-2-4-7-16

Tgt Ion: 264 Resp: 502152
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.0 17.4 26.0

