

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078614.D
 Acq On : 17 Apr 2015 19:26
 Operator : TP/IZ
 Sample : G1871-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-38

Quant Time: Apr 17 23:45:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 23:28:12 2015
 Response via : Initial Calibration

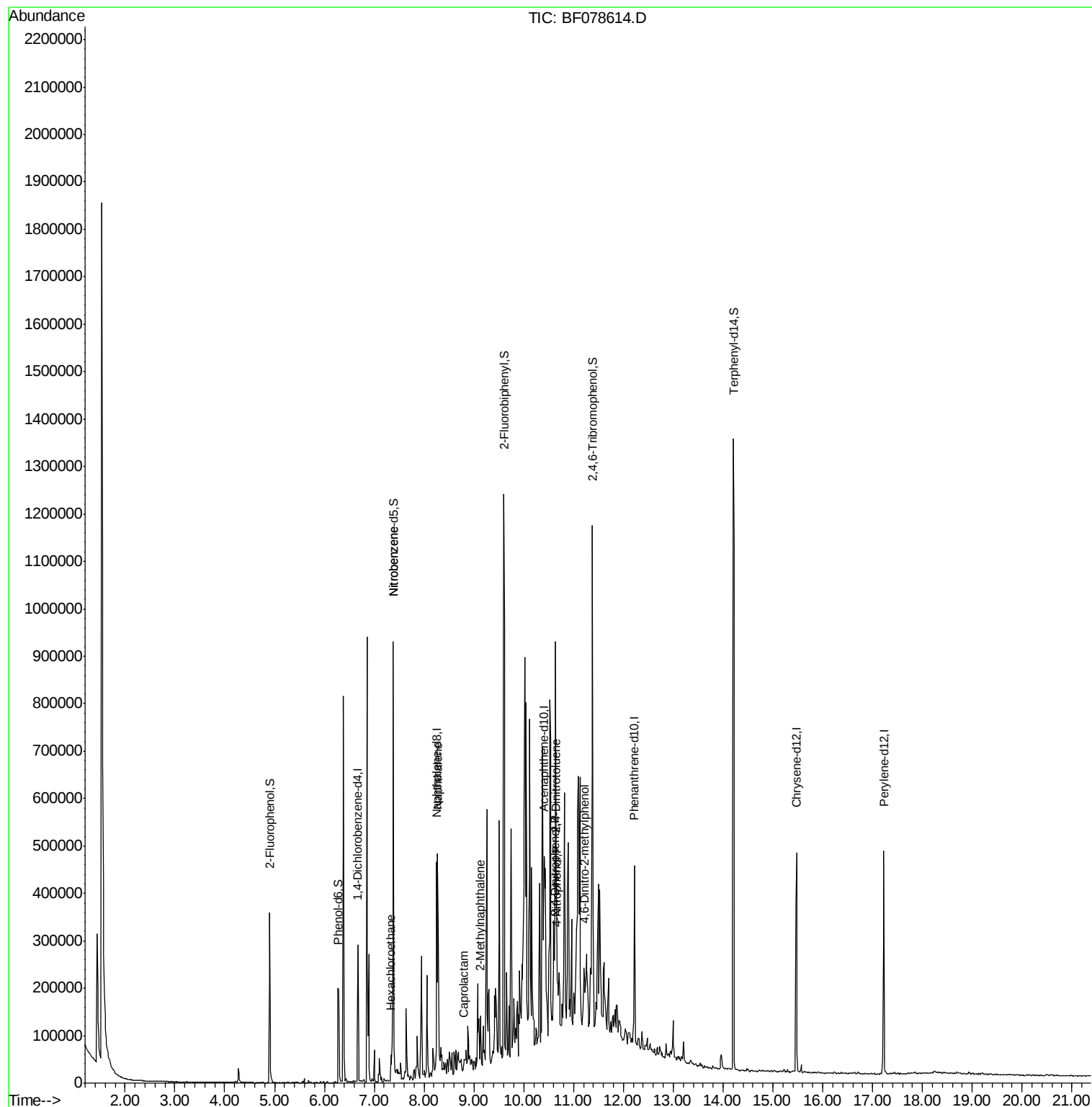
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	48638	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	194869	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	98752	20.00	ng	0.00
63) Phenanthrene-d10	12.22	188	194171	20.00	ng	0.00
75) Chrysene-d12	15.47	240	227546	20.00	ng	0.01
86) Perylene-d12	17.22	264	226076	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	151877	51.48	ng	0.00
7) Phenol-d6	6.28	99	118369	32.02	ng	0.00
23) Nitrobenzene-d5	7.38	82	264051	82.13	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	106481	130.01	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	533476	77.22	ng	0.00
78) Terphenyl-d14	14.21	244	660499	65.59	ng	0.00
Target Compounds						
18) Hexachloroethane	7.34	117	15951	12.26	ng	# 1
24) Nitrobenzene	7.38	77	8866	2.64	ng	# 2
31) Naphthalene	8.27	128	273494	26.96	ng	99
35) Caprolactam	8.80	113	2174	2.69	ng	# 66
37) 2-Methylnaphthalene	9.13	142	37690	5.47	ng	# 95
53) 2,4-Dinitrophenol	10.62	184	1837	11.89	ng	# 8
55) 4-Nitrophenol	10.66	139	3035	5.06	ng	# 60
56) 2,4-Dinitrotoluene	10.65	165	5921	3.00	ng	# 7
64) 4,6-Dinitro-2-methylphenol	11.21	198	667	9.13	ng	# 1

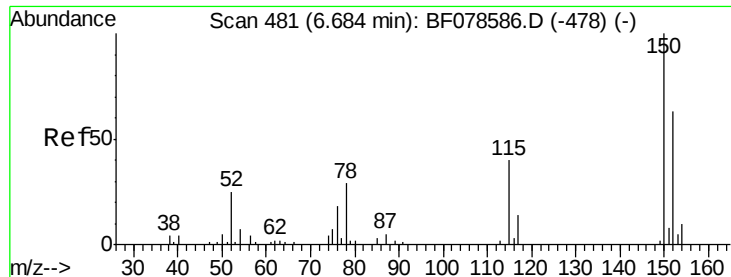
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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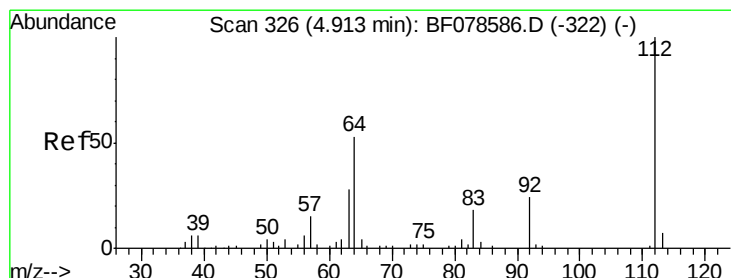
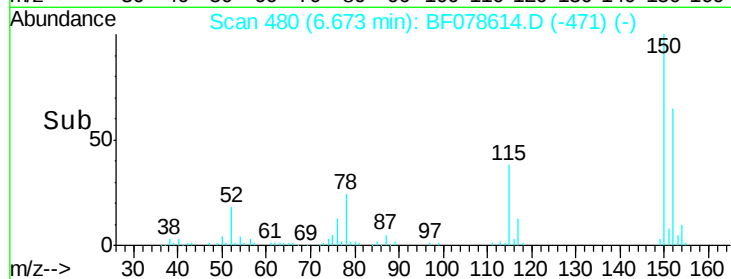
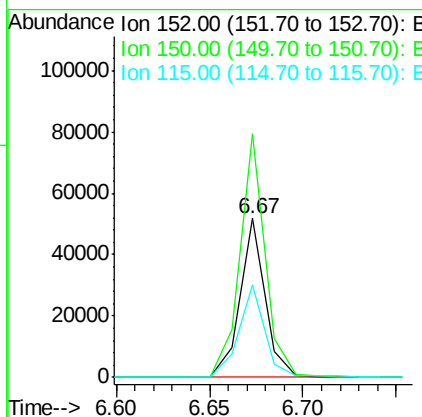
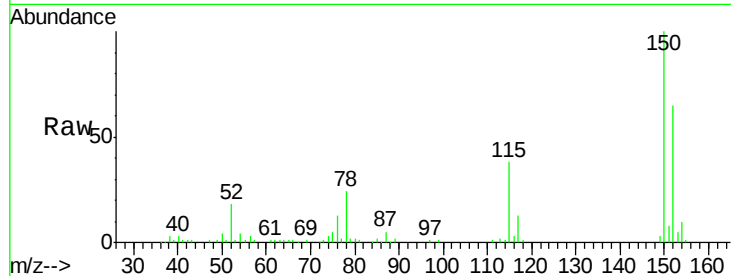




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

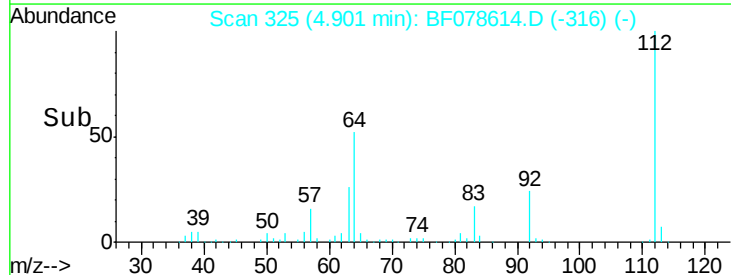
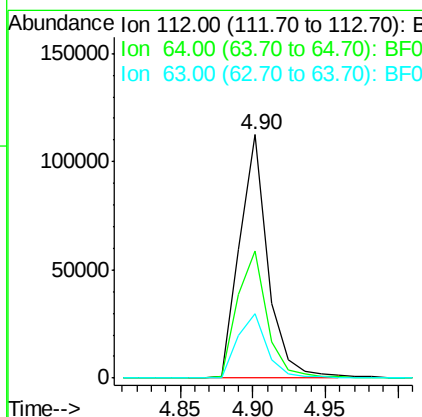
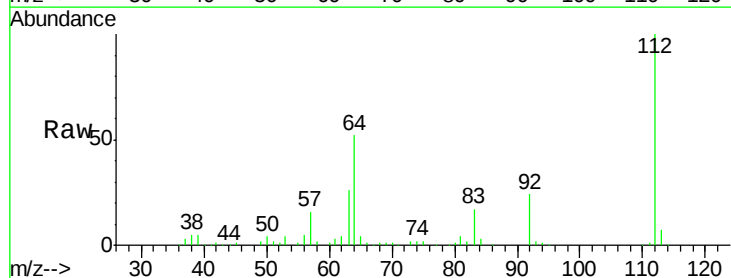
Instrument :
 BNA_F
 ClientSampled :
 MW-38

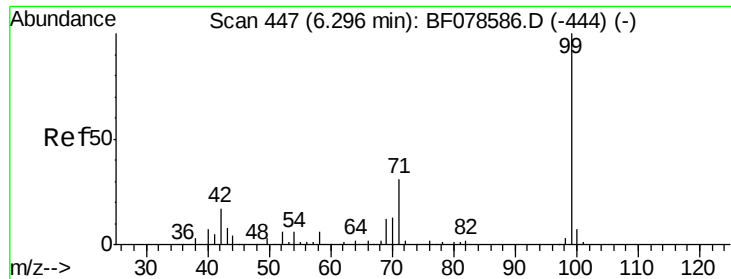
Tgt Ion:152 Resp: 48638
 Ion Ratio Lower Upper
 152 100
 150 153.6 125.9 188.9
 115 58.2 52.7 79.1



#5
 2-Fluorophenol
 Concen: 51.48 ng
 RT: 4.90 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

Tgt Ion:112 Resp: 151877
 Ion Ratio Lower Upper
 112 100
 64 52.3 39.9 59.9
 63 26.3 20.2 30.4





#7

Phenol-d6

Concen: 32.02 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078614.D

Acq: 17 Apr 2015 19:26

Instrument :

BNA_F

ClientSampled :

MW-38

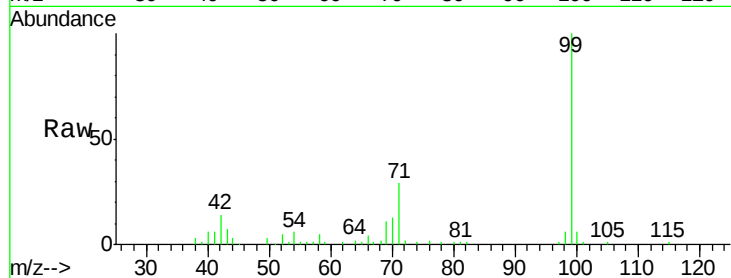
Tgt Ion: 99 Resp: 118369

Ion Ratio Lower Upper

99 100

42 13.9 14.8 22.2#

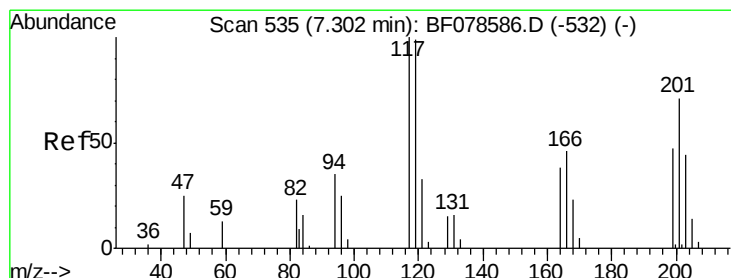
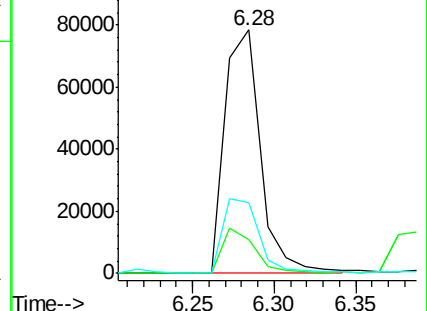
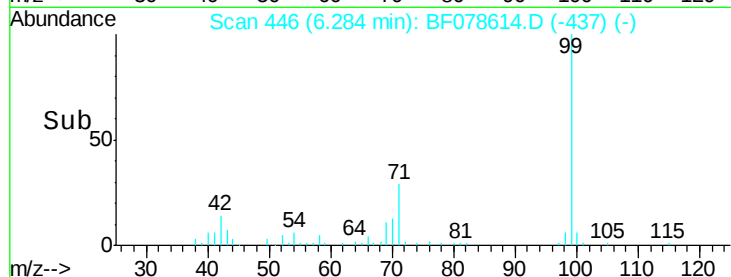
71 29.0 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF078586.D (-444) (-)

Ion 42.00 (41.70 to 42.70): BF078586.D (-444) (-)

Ion 71.00 (70.70 to 71.70): BF078586.D (-444) (-)



#18

Hexachloroethane

Concen: 12.26 ng

RT: 7.34 min Scan# 538

Delta R.T. 0.05 min

Lab File: BF078614.D

Acq: 17 Apr 2015 19:26

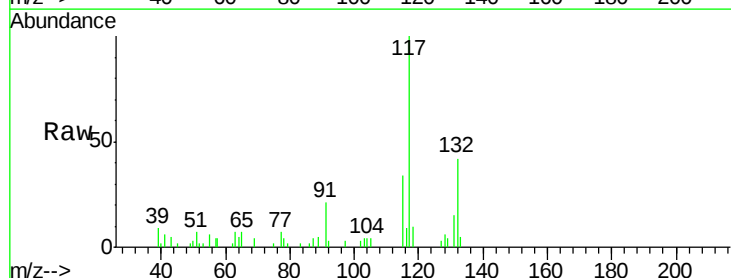
Tgt Ion: 117 Resp: 15951

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.6#

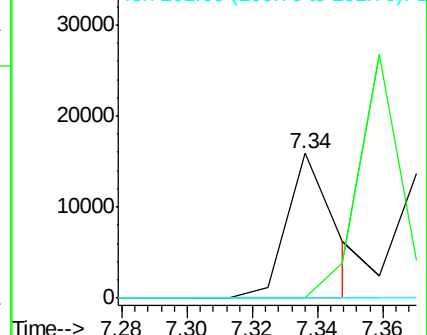
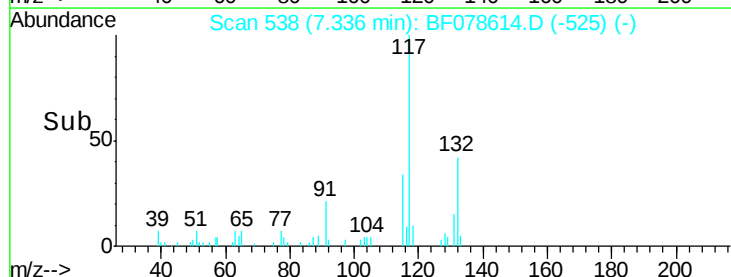
201 0.0 98.1 147.1#

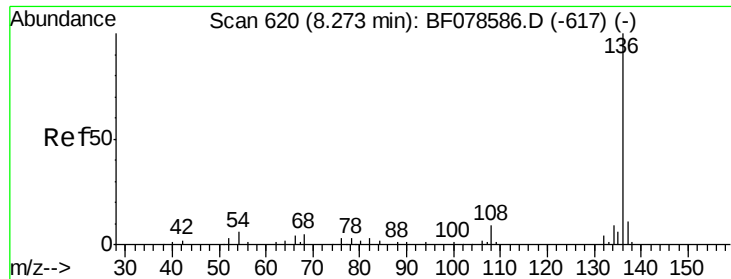


Abundance Ion 117.00 (116.70 to 117.70): BF078586.D (-532) (-)

Ion 119.00 (118.70 to 119.70): BF078586.D (-532) (-)

Ion 201.00 (200.70 to 201.70): BF078586.D (-532) (-)

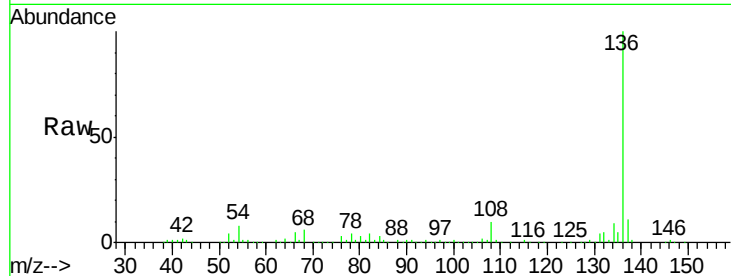




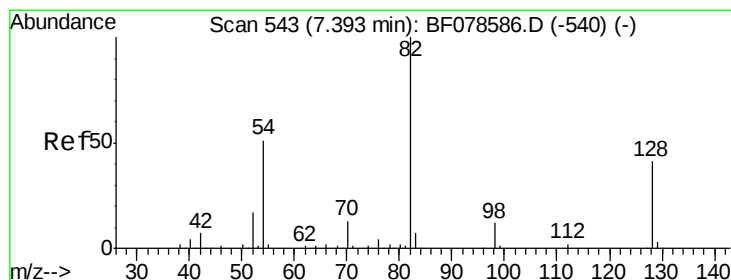
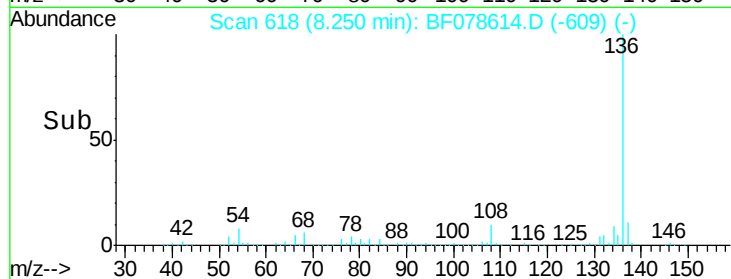
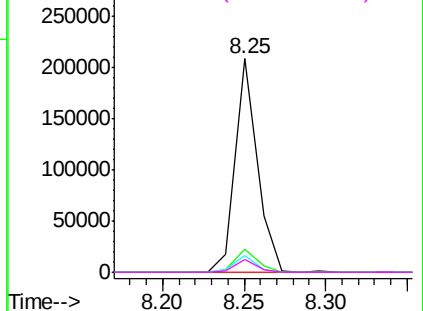
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Instrument :
BNA_F
ClientSampleId :
MW-38

Tgt Ion:	136	Resp:	194869
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.7	7.0	10.6
68	5.9	5.4	8.2

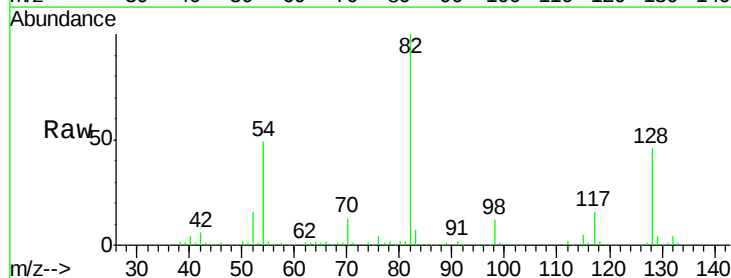


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

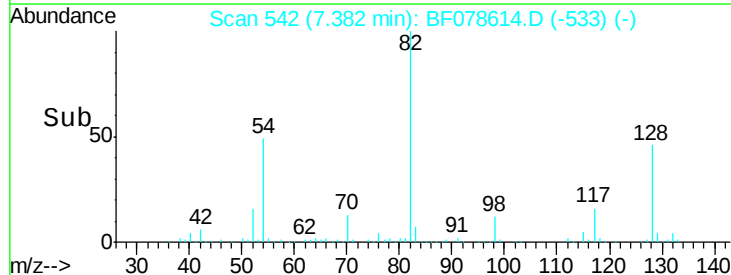
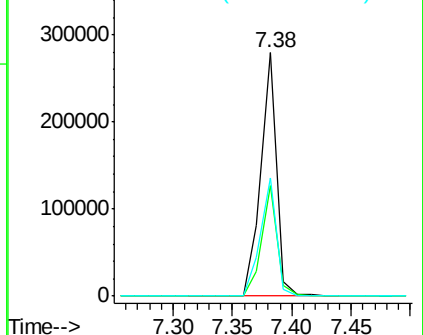


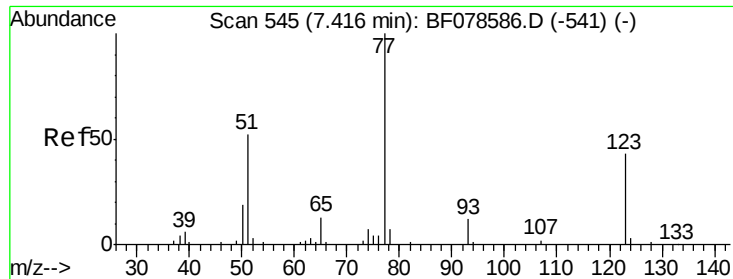
#23
Nitrobenzene-d5
Concen: 82.13 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Tgt Ion:	82	Resp:	264051
Ion	Ratio	Lower	Upper
82	100		
128	45.5	31.8	47.8
54	48.8	41.5	62.3



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

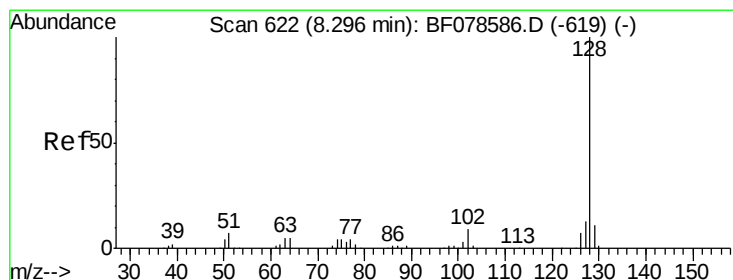
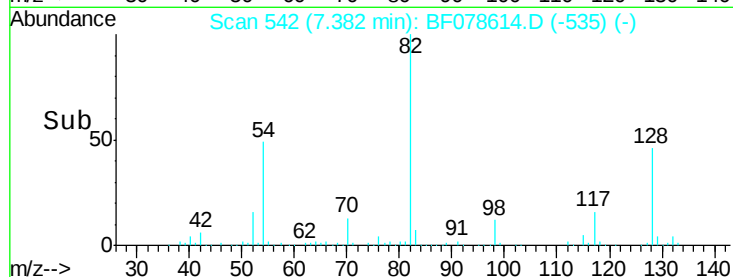
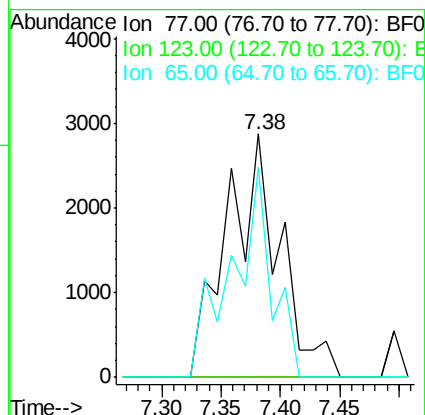
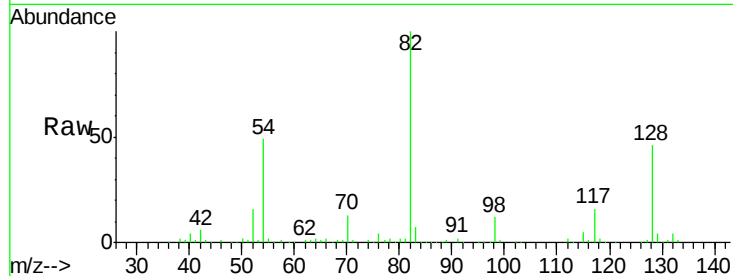




#24
Nitrobenzene
Concen: 2.64 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

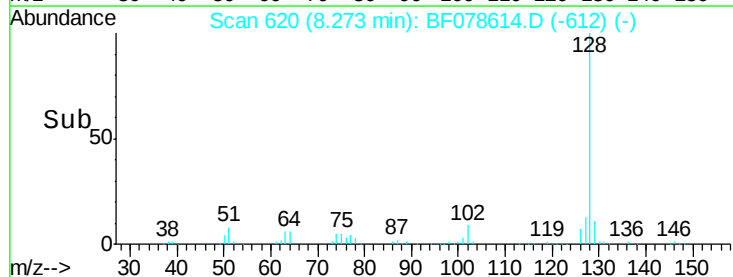
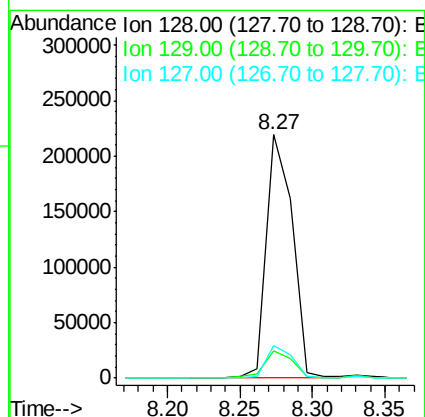
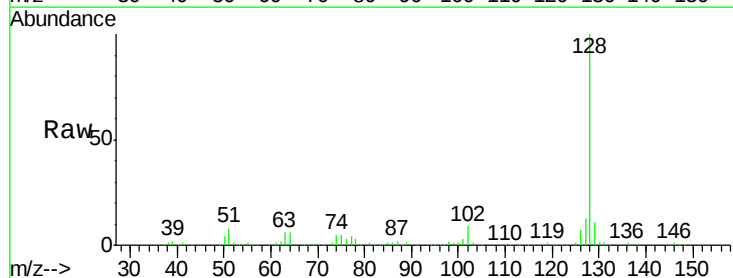
Instrument :
BNA_F
ClientSampleId :
MW-38

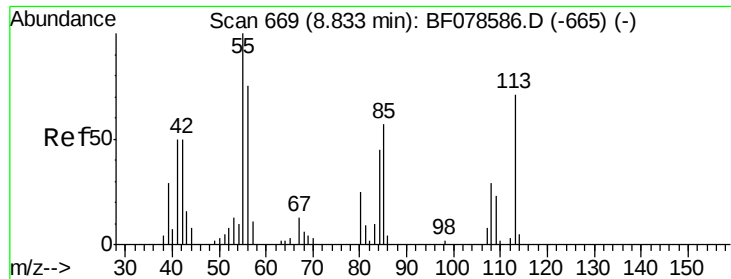
Tgt Ion: 77 Resp: 8866
Ion Ratio Lower Upper
77 100
123 0.0 46.9 70.3#
65 86.2 9.5 14.3#



#31
Naphthalene
Concen: 26.96 ng
RT: 8.27 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Tgt Ion: 128 Resp: 273494
Ion Ratio Lower Upper
128 100
129 11.4 8.6 12.8
127 13.2 10.7 16.1

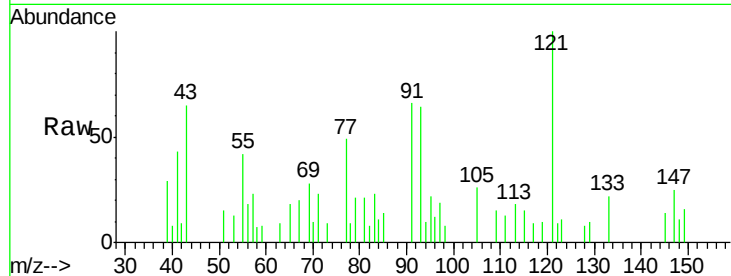




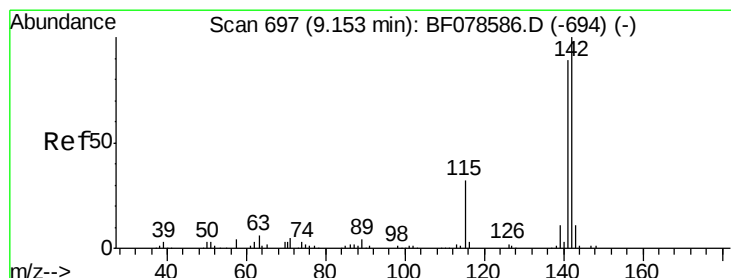
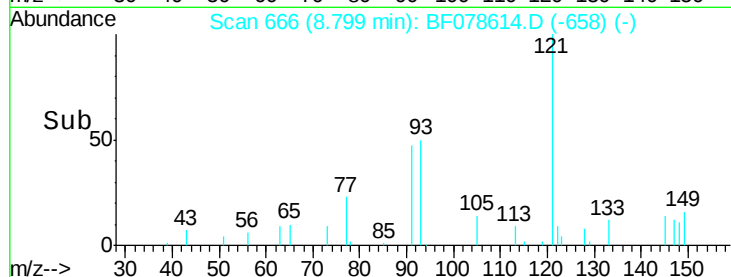
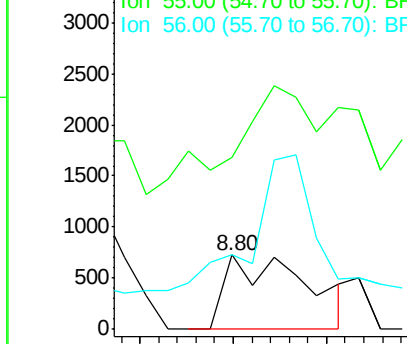
#35
 Caprolactam
 Concen: 2.69 ng
 RT: 8.80 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

Instrument :
 BNA_F
 ClientSampleId :
 MW-38

Tgt Ion:113 Resp: 2174
 Ion Ratio Lower Upper
 113 100
 55 231.9 151.9 191.9#
 56 101.0 106.1 146.1#

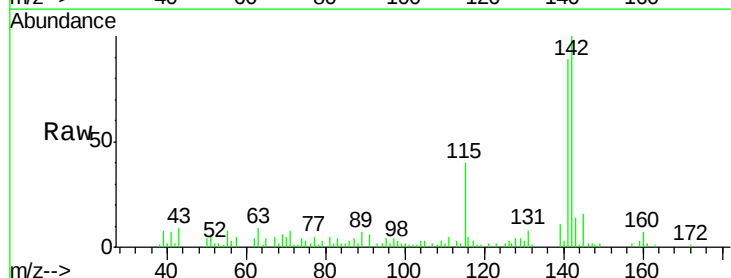


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

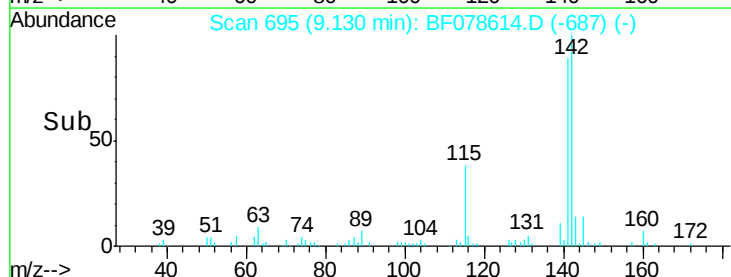
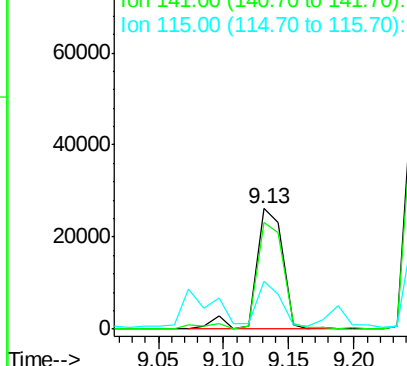


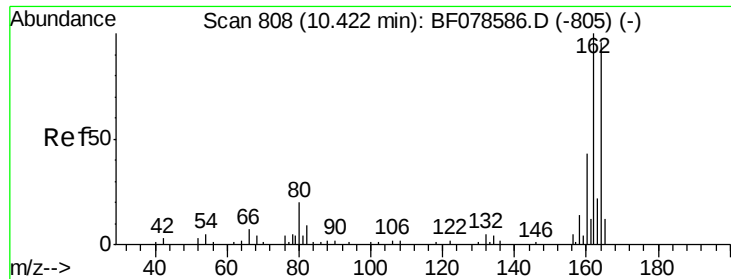
#37
 2-Methylnaphthalene
 Concen: 5.47 ng
 RT: 9.13 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

Tgt Ion:142 Resp: 37690
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.3 105.5
 115 40.0 24.6 37.0#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

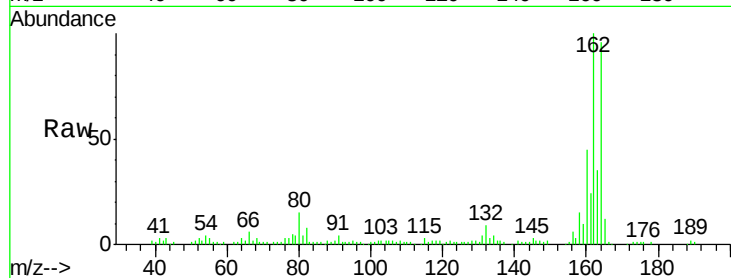




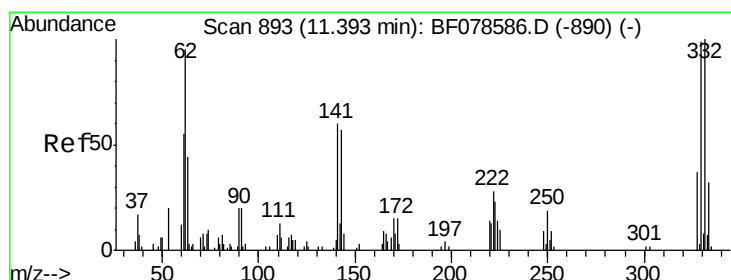
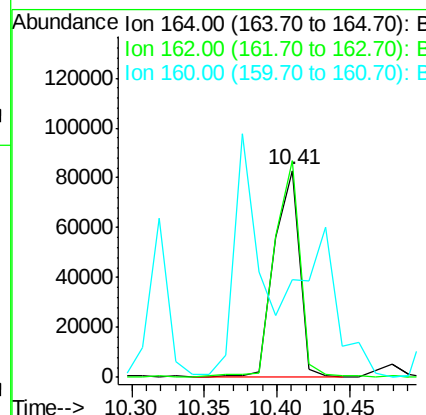
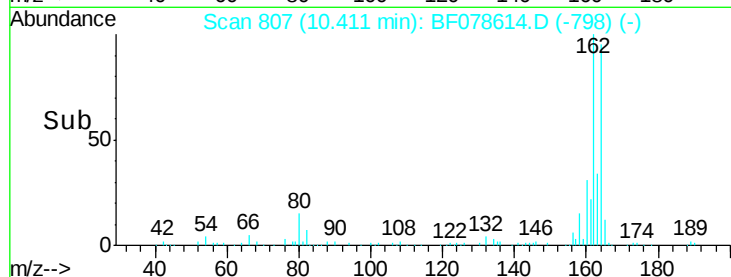
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Instrument :
BNA_F
ClientSampleId :
MW-38

Tgt Ion:164 Resp: 98752
Ion Ratio Lower Upper
164 100
162 104.6 82.2 123.2
160 47.0 34.7 52.1

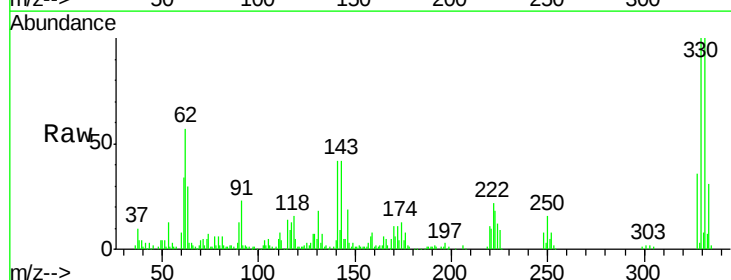


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

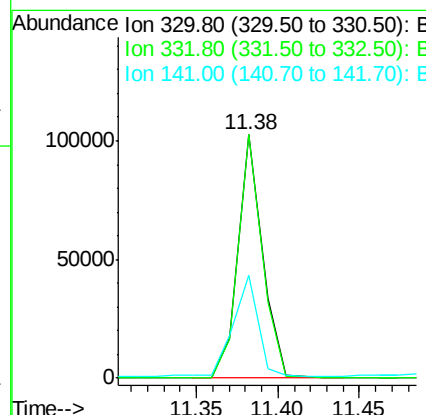
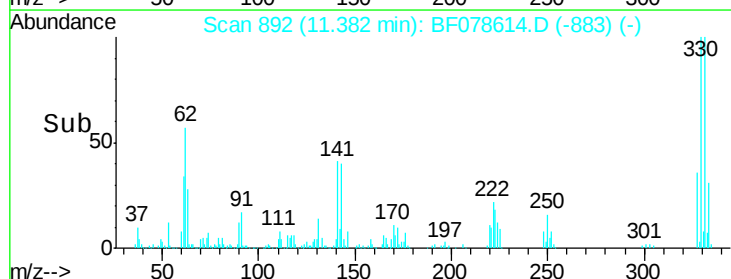


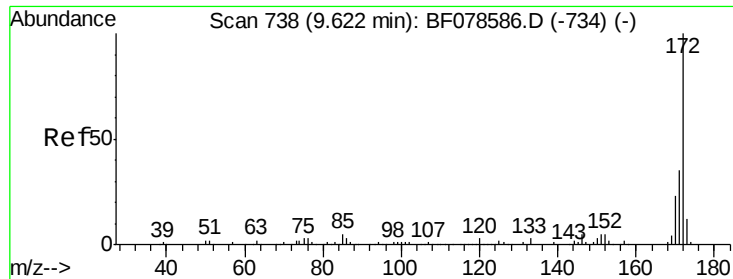
#41
2,4,6-Tribromophenol
Concen: 130.01 ng
RT: 11.38 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Tgt Ion:330 Resp: 106481
Ion Ratio Lower Upper
330 100
332 98.5 78.6 117.8
141 43.2 31.2 46.8



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

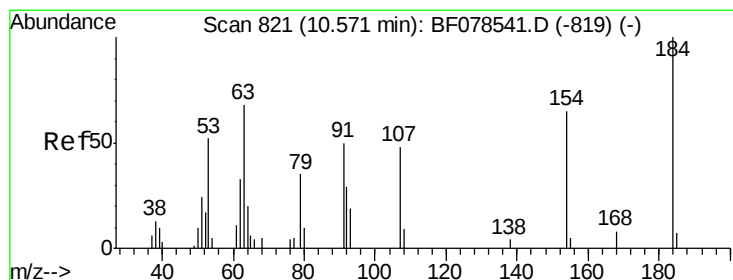
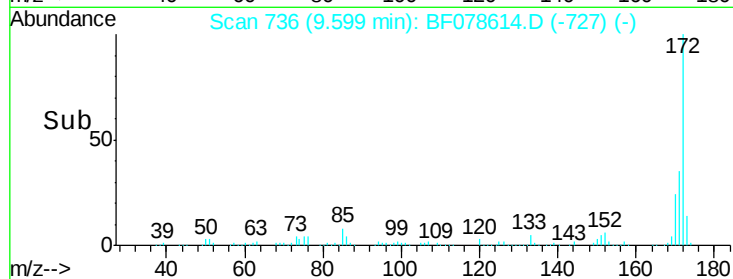
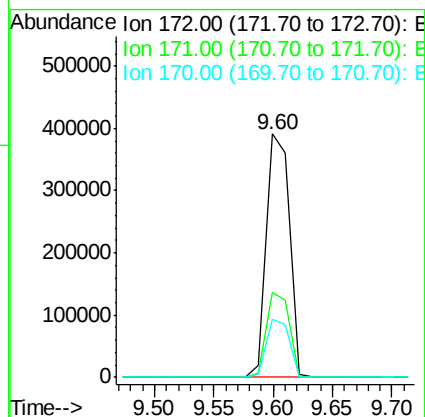
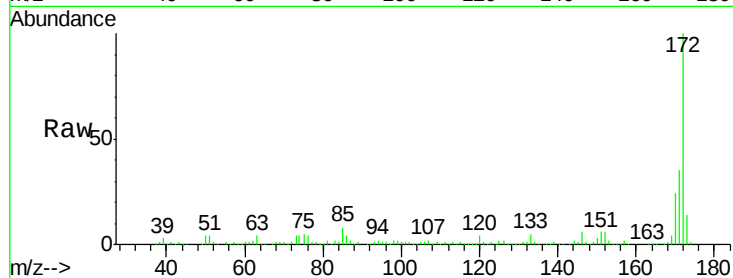




#44
 2-Fluorobiphenyl
 Concen: 77.22 ng
 RT: 9.60 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

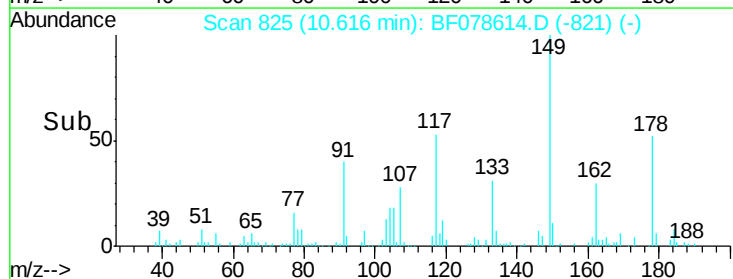
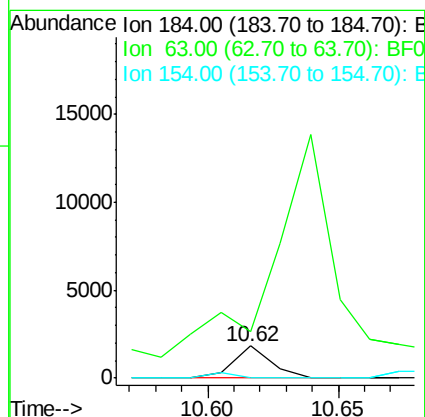
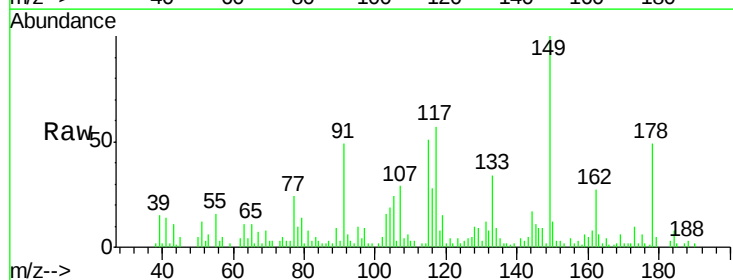
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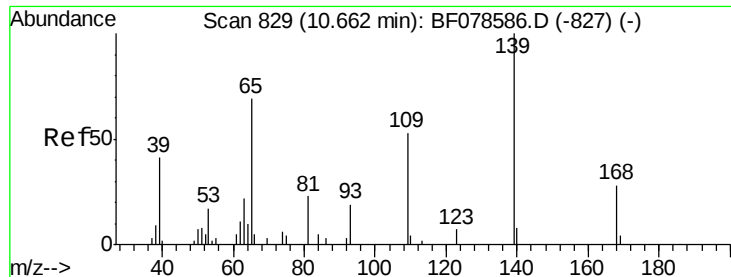
Tgt Ion:172 Resp: 533476
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 23.6 18.5 27.7



#53
 2,4-Dinitrophenol
 Concen: 11.89 ng
 RT: 10.62 min Scan# 825
 Delta R.T. -0.06 min
 Lab File: BF078614.D
 Acq: 17 Apr 2015 19:26

Tgt Ion:184 Resp: 1837
 Ion Ratio Lower Upper
 184 100
 63 145.1 51.9 77.9#
 154 0.0 51.0 76.4#

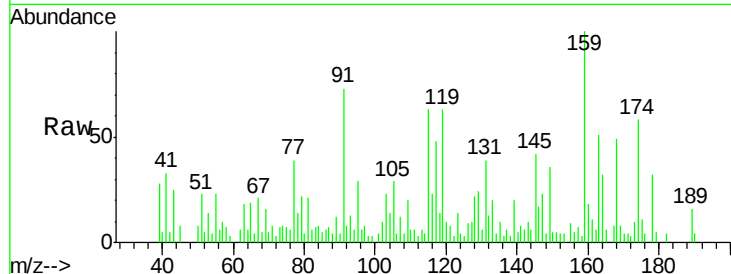




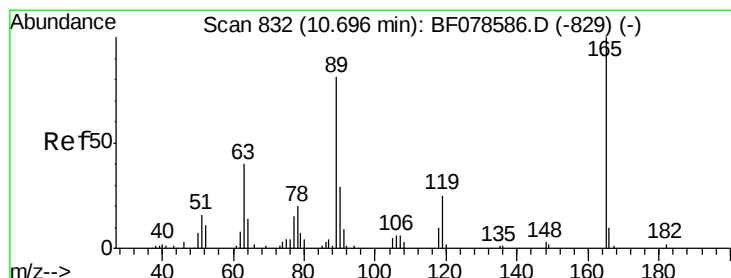
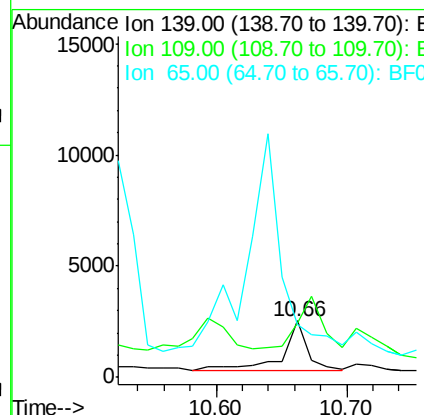
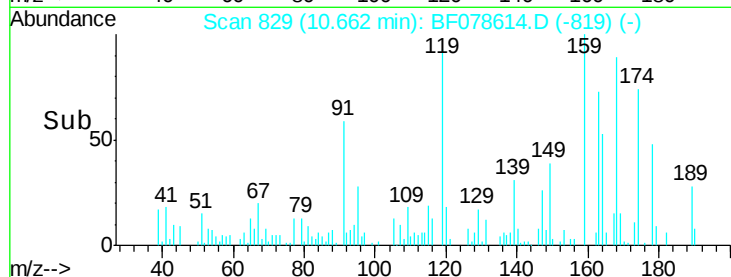
#55
4-Nitrophenol
Concen: 5.06 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.01 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Instrument :
BNA_F
ClientSampled :
MW-38

Tgt Ion:139 Resp: 3035
Ion Ratio Lower Upper
139 100
109 96.8 36.7 76.7#
65 93.4 49.9 89.9#

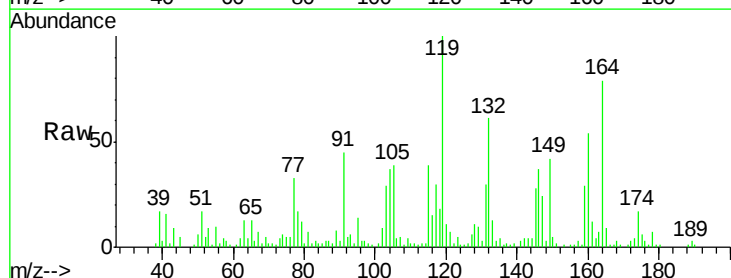


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

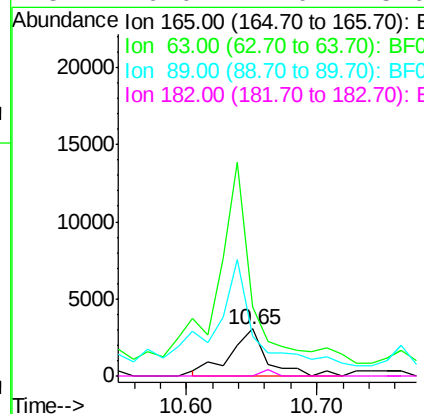
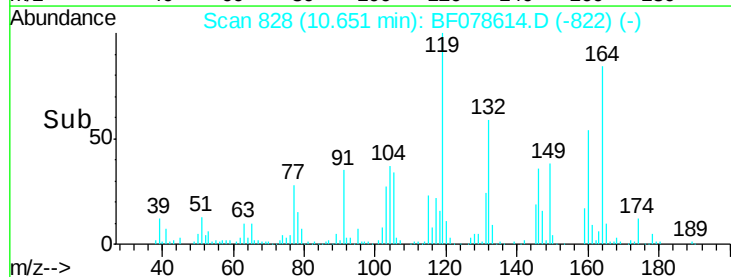


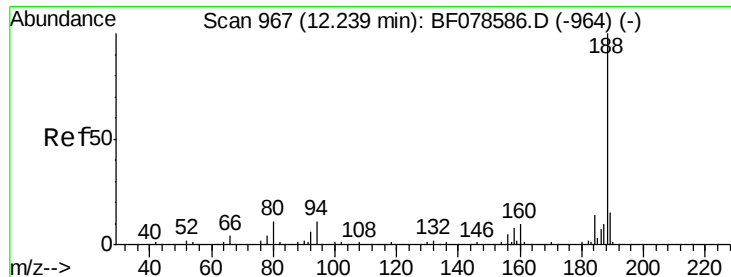
#56
2,4-Dinitrotoluene
Concen: 3.00 ng
RT: 10.65 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Tgt Ion:165 Resp: 5921
Ion Ratio Lower Upper
165 100
63 146.3 26.5 39.7#
89 84.9 46.4 69.6#
182 0.0 2.0 3.0#



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

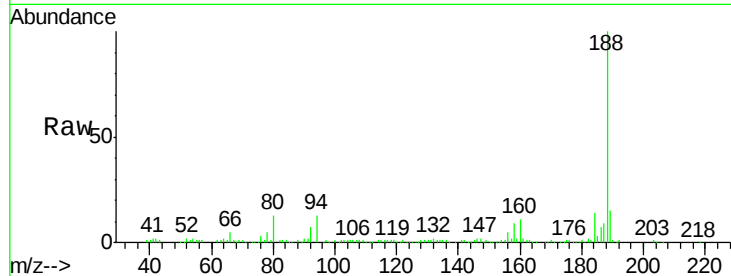




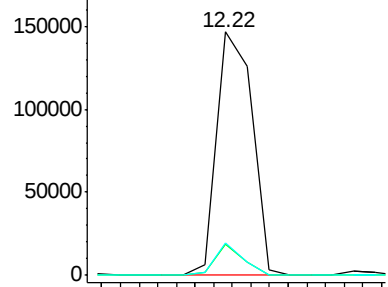
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Instrument :
BNA_F
ClientSampleId :
MW-38

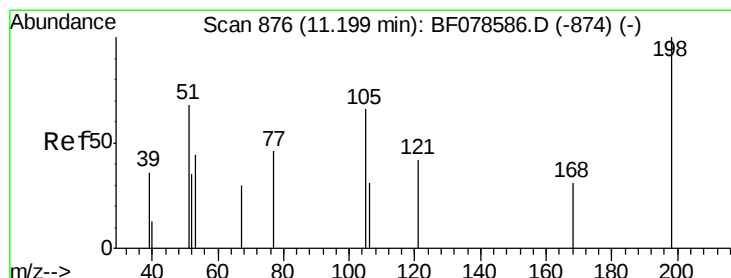
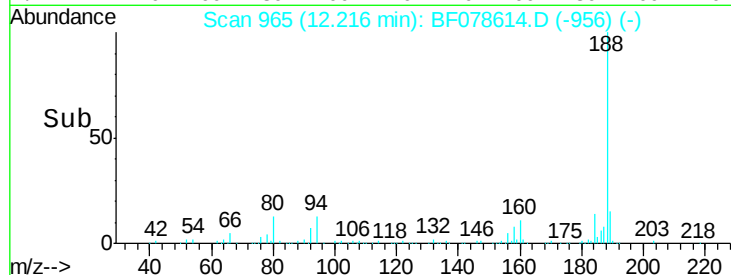
Tgt Ion:188 Resp: 194171
Ion Ratio Lower Upper
188 100
94 12.6 9.0 13.4
80 13.4 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

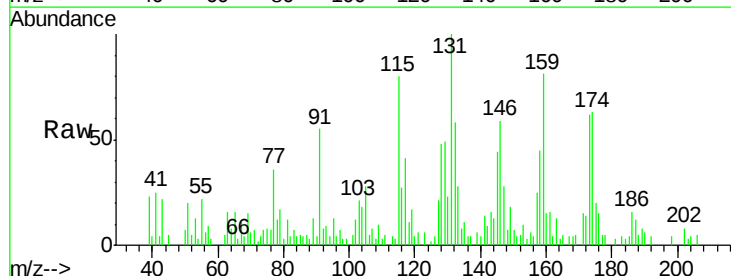


Time--> 12.15 12.20 12.25

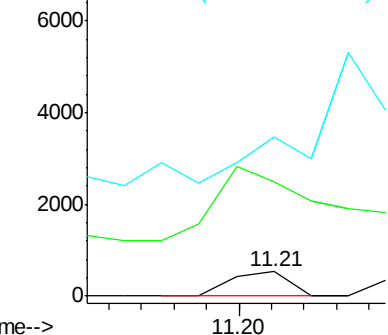


#64
4,6-Dinitro-2-methylphenol
Concen: 9.13 ng
RT: 11.21 min Scan# 877
Delta R.T. 0.03 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

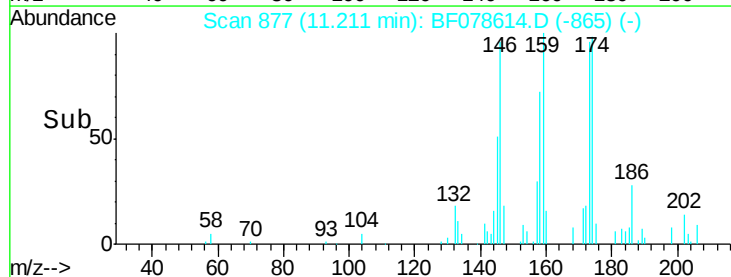
Tgt Ion:198 Resp: 667
Ion Ratio Lower Upper
198 100
51 462.5 48.6 88.6#
105 648.1 45.8 85.8#

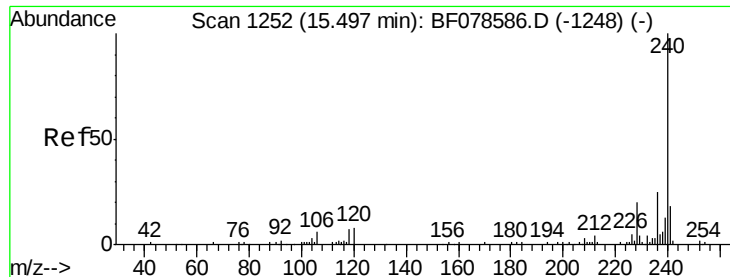


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E



Time--> 11.20





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078614.D

Acq: 17 Apr 2015 19:26

Instrument :

BNA_F

ClientSampleId :

MW-38

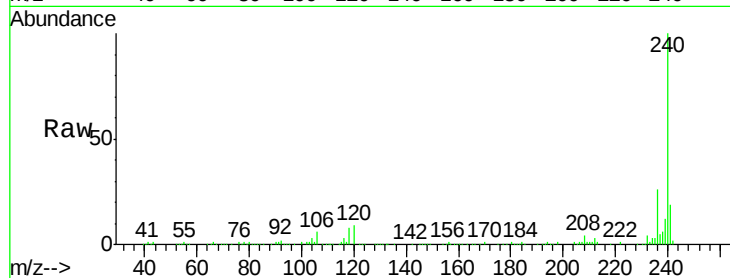
Tgt Ion:240 Resp: 227546

Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

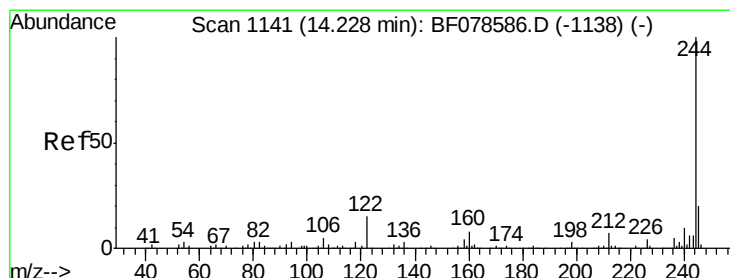
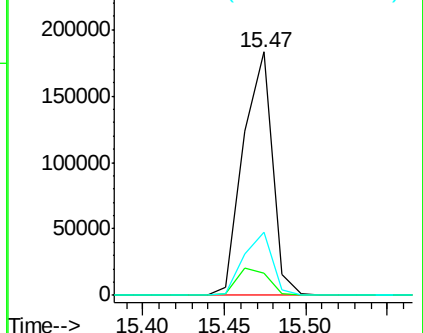
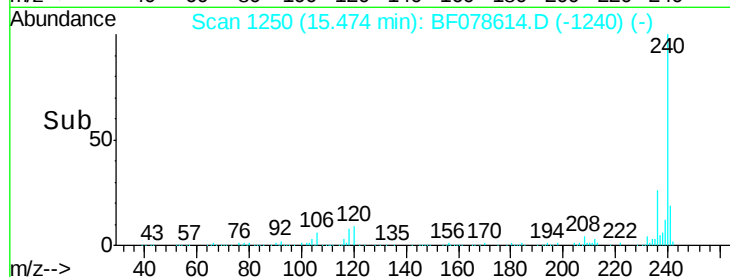
236 26.0 21.4 32.2



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: 65.59 ng

RT: 14.21 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF078614.D

Acq: 17 Apr 2015 19:26

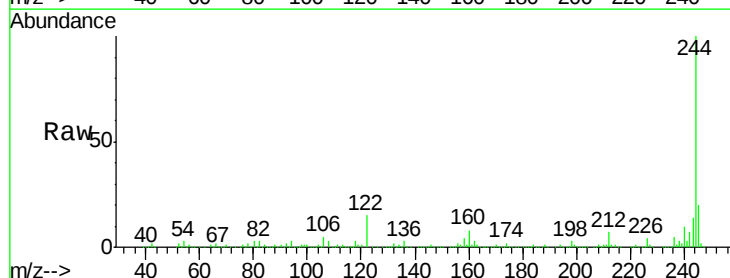
Tgt Ion:244 Resp: 660499

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

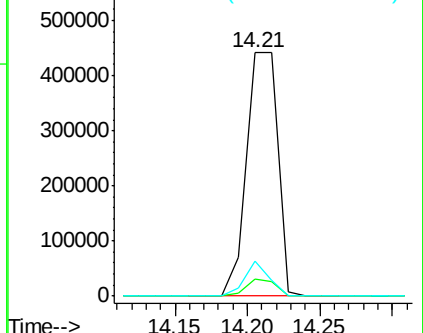
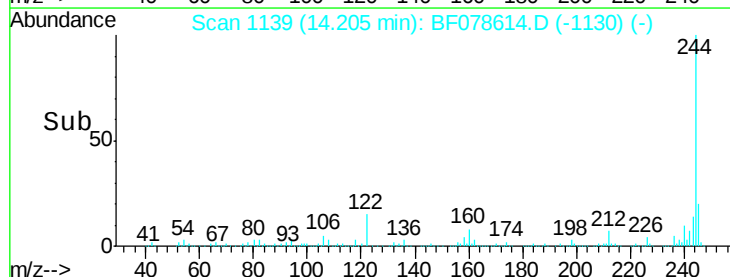
122 14.5 7.1 10.7#

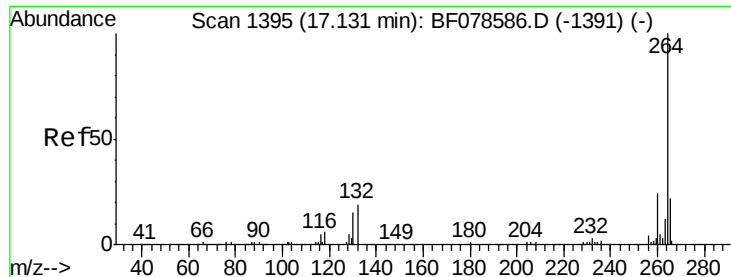


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

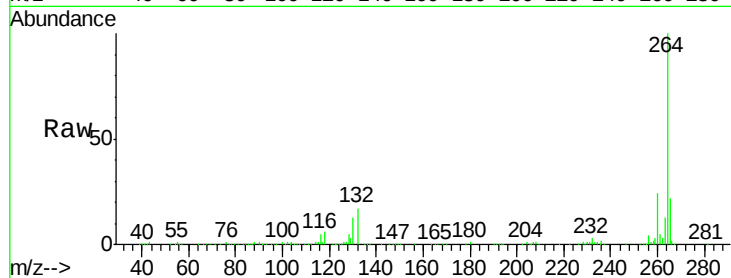




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.22 min Scan# 1403
Delta R.T. 0.07 min
Lab File: BF078614.D
Acq: 17 Apr 2015 19:26

Instrument :
BNA_F
ClientSampleId :
MW-38

Tgt Ion: 264 Resp: 226076
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

