

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083254.D
 Acq On : 24 Nov 2015 23:38
 Operator : UM/IZ
 Sample : G4518-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATION

Quant Time: Nov 25 00:37:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

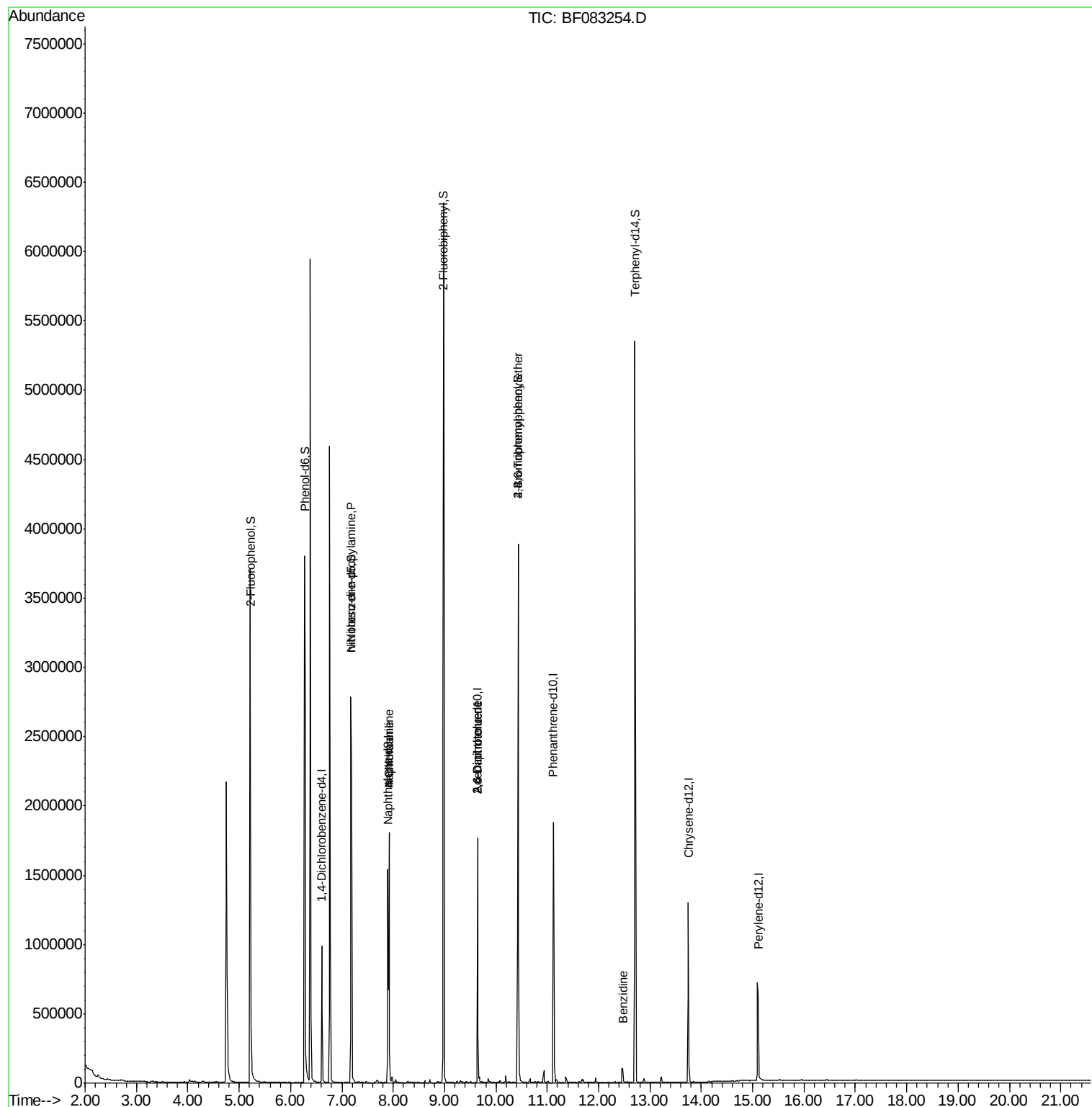
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	173684	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	674716	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	345268	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	655095	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	522706	20.00	ng	-0.06
86) Perylene-d12	15.11	264	398911	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1447040	125.96	ng	-0.06
7) Phenol-d6	6.27	99	1750829	117.79	ng	-0.07
23) Nitrobenzene-d5	7.18	82	1355800	91.82	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	453074	128.27	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	2115128	85.42	ng	-0.05
78) Terphenyl-d14	12.71	244	2037073	91.77	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.27	77	1957	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.18	70	177847	17.19	ng	# 81
31) Naphthalene	7.92	128	762397	20.94	ng	# 100
33) 4-Chloroaniline	7.92	127	98873	7.00	ng	# 27
50) 2,6-Dinitrotoluene	9.64	165	45043	7.55	ng	# 13
56) 2,4-Dinitrotoluene	9.64	165	45350	6.00	ng	# 10
66) 4-Bromophenyl-phenylether	10.43	248	30058	4.13	ng	# 1
76) Benzidine	12.47	184	60305	4.40	ng	# 99

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

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Quant Time: Nov 25 00:37:22 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.06 min

Lab File: BF083254.D

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UST-WASTECHARCTARIZATION

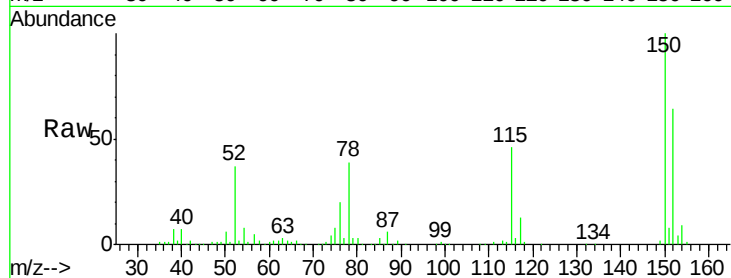
Tgt Ion:152 Resp: 173684

Ion Ratio Lower Upper

152 100

150 155.7 125.8 188.8

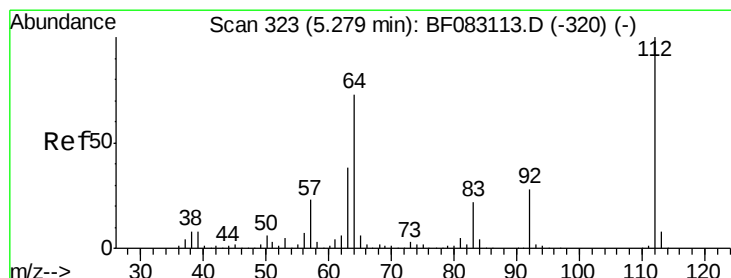
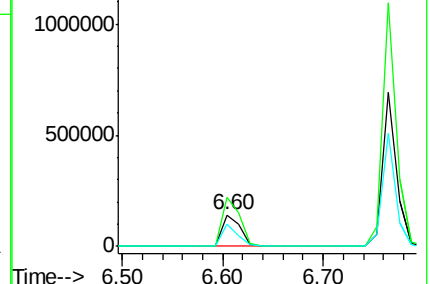
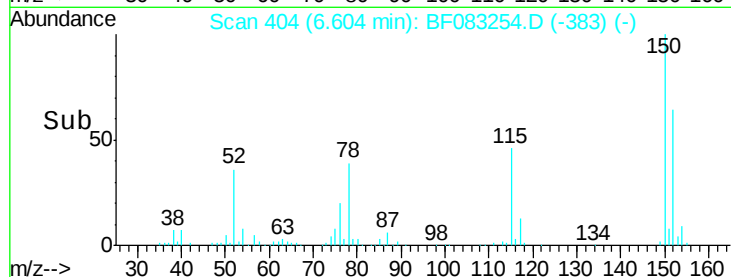
115 72.3 46.9 70.3#



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: 125.96 ng

RT: 5.22 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF083254.D

Acq: 24 Nov 2015 23:38

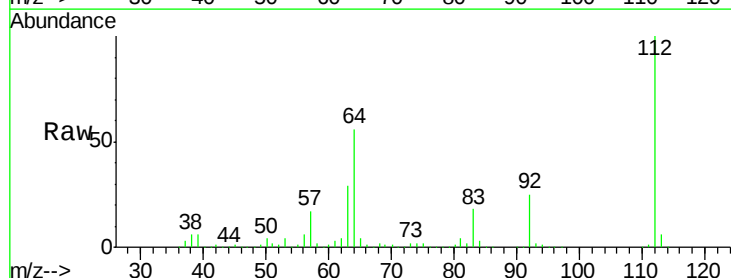
Tgt Ion:112 Resp: 1447040

Ion Ratio Lower Upper

112 100

64 56.5 58.4 87.6#

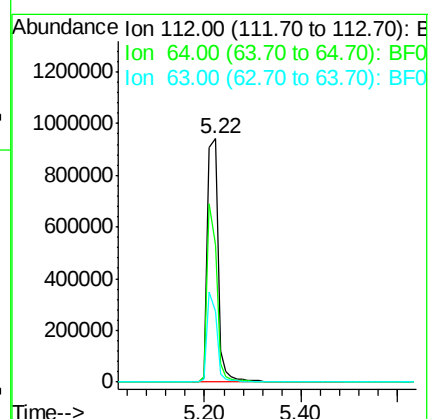
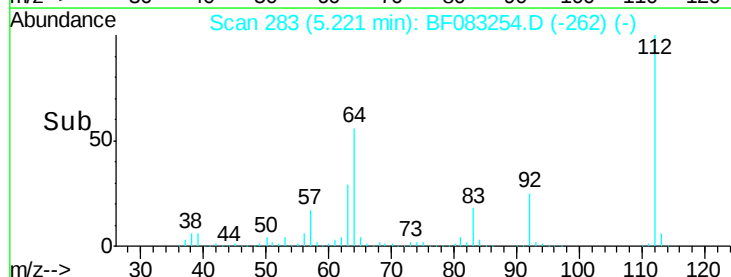
63 29.0 30.0 45.0#

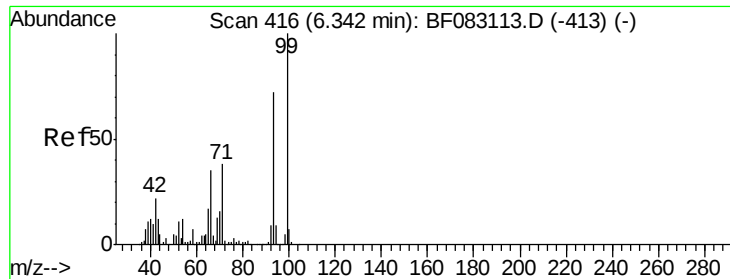


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.79 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083254.D

Acq: 24 Nov 2015 23:38

Instrument :

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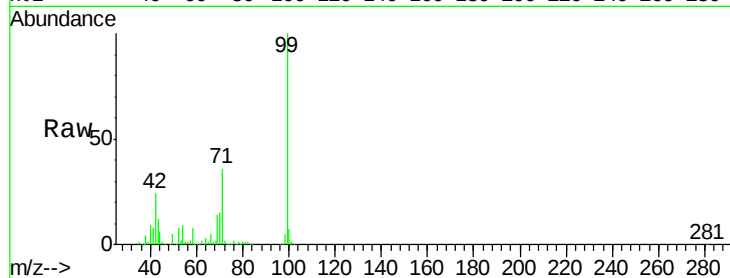
Tgt Ion: 99 Resp: 1750829

Ion Ratio Lower Upper

99 100

42 23.6 17.7 26.5

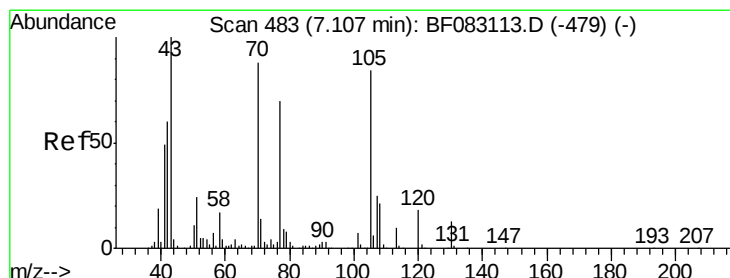
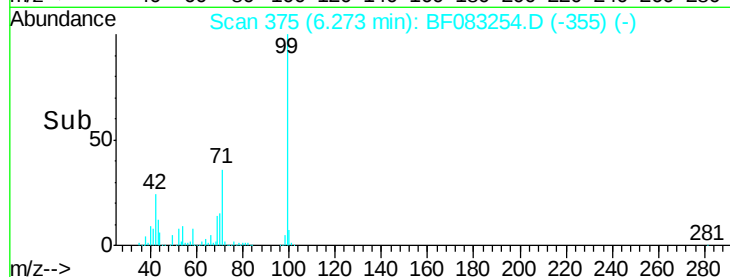
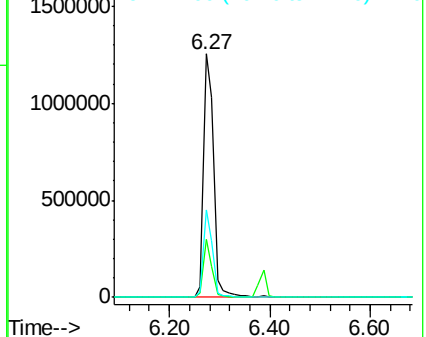
71 35.9 30.2 45.4



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: 17.19 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083254.D

Acq: 24 Nov 2015 23:38

Tgt Ion: 70 Resp: 177847

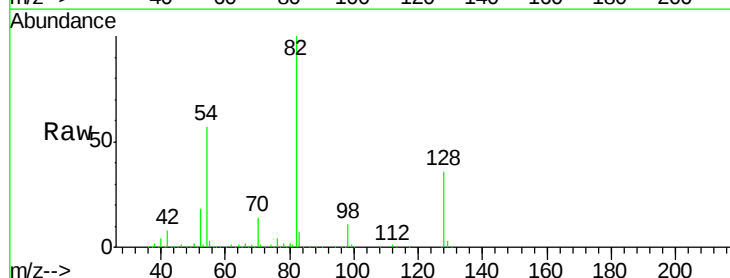
Ion Ratio Lower Upper

70 100

42 55.5 54.5 81.7

101 0.0 6.6 9.8#

130 1.9 11.5 17.3#

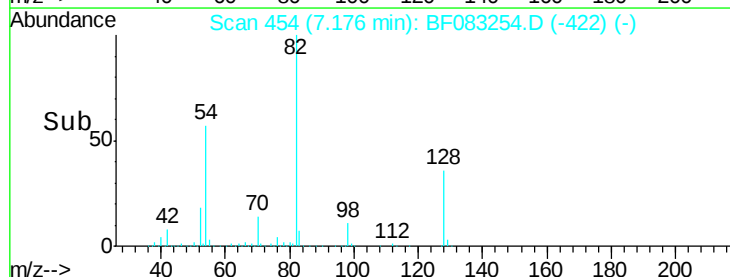
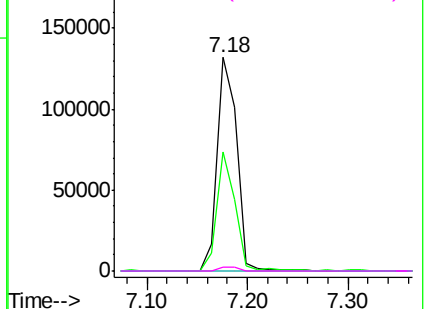


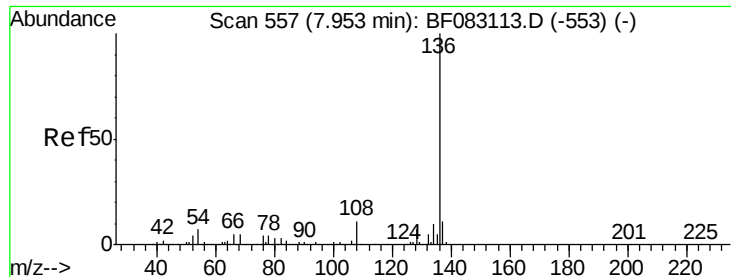
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

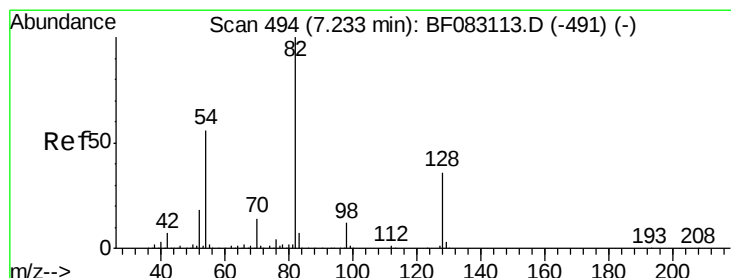
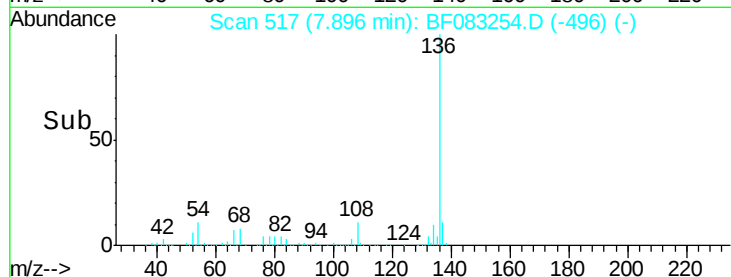
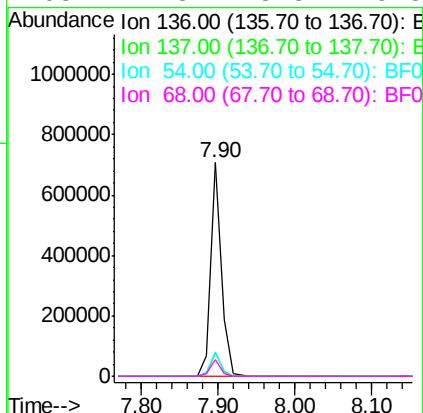
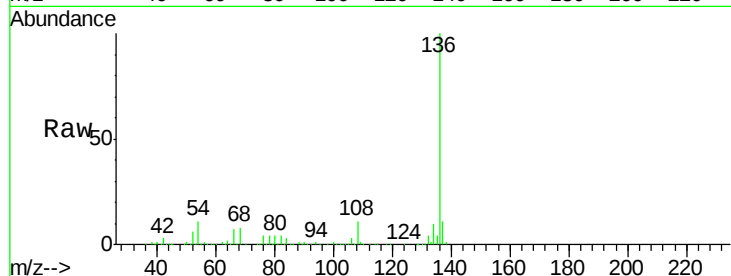




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

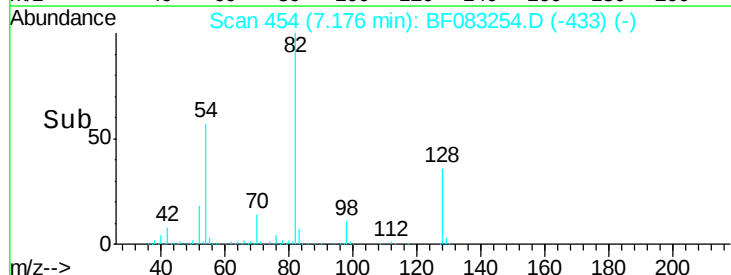
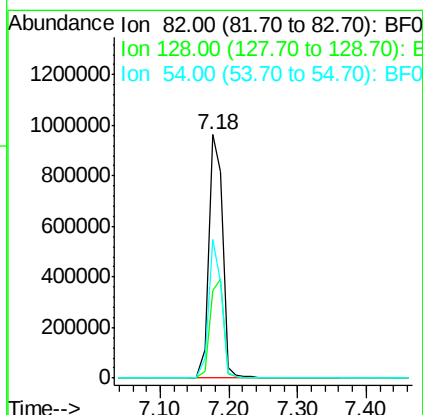
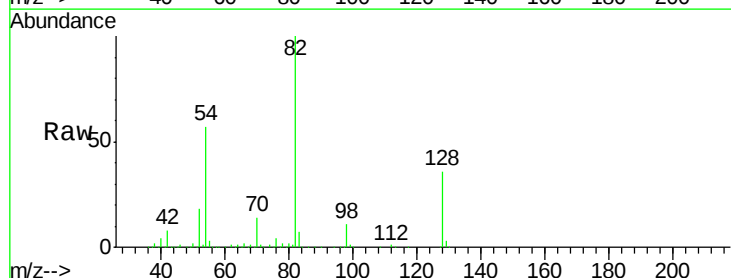
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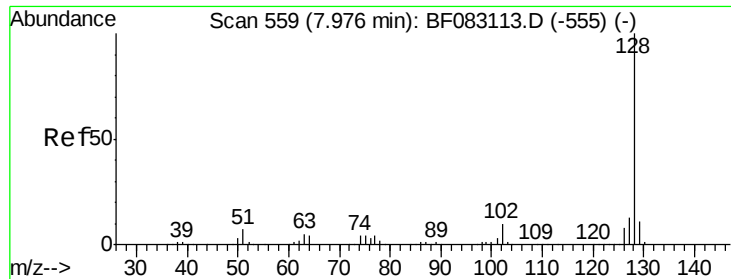
Tgt Ion:	136	Resp:	674716
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.5	5.8	8.6#
68	7.8	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 91.82 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

Tgt Ion:	82	Resp:	1355800
Ion	Ratio	Lower	Upper
82	100		
128	35.9	28.5	42.7
54	57.0	44.6	67.0

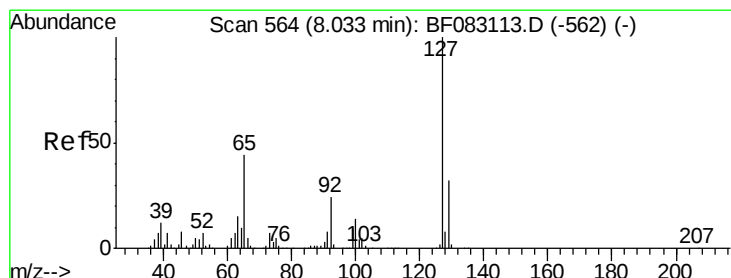
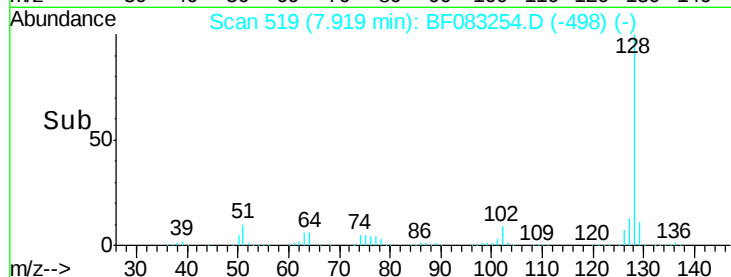
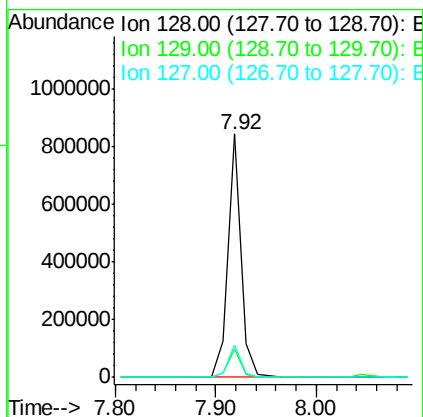
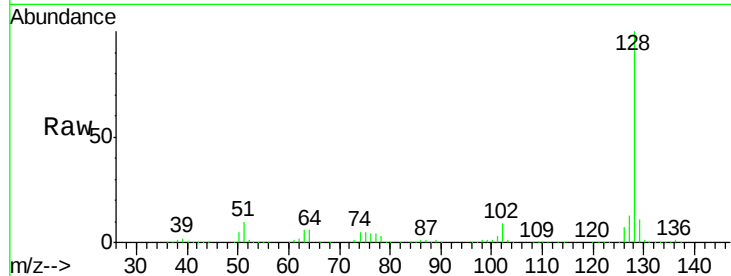




#31
Naphthalene
Concen: 20.94 ng
RT: 7.92 min Scan# 519
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

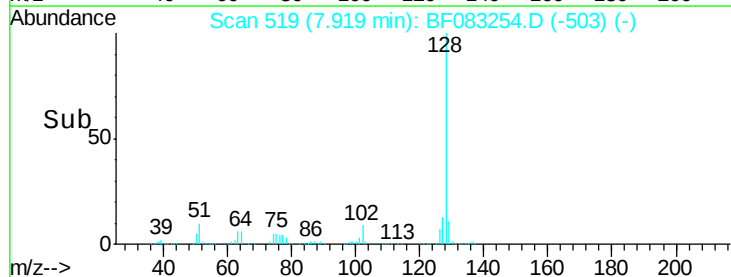
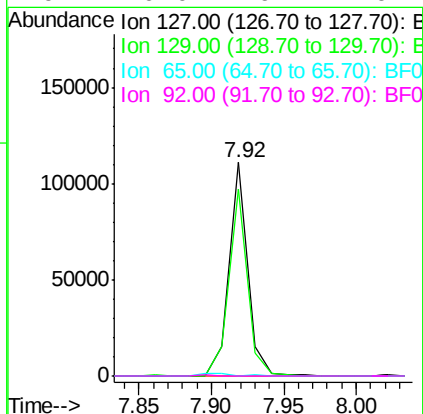
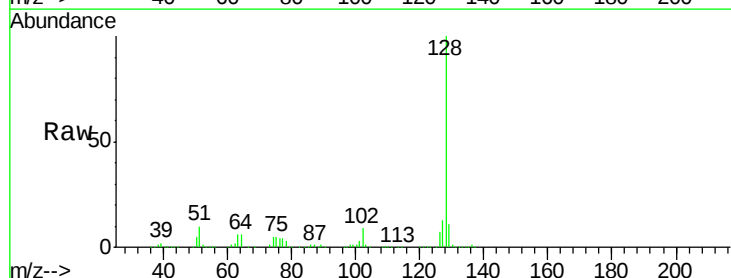
Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATION

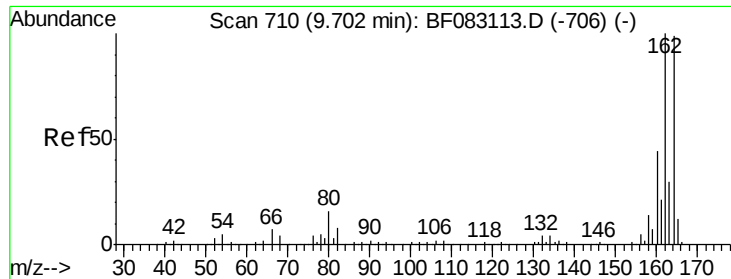
Tgt Ion:128 Resp: 762397
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.1 10.6 15.8



#33
4-Chloroaniline
Concen: 7.00 ng
RT: 7.92 min Scan# 519
Delta R.T. -0.11 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

Tgt Ion:127 Resp: 98873
Ion Ratio Lower Upper
127 100
129 87.4 25.7 38.5#
65 0.0 35.5 53.3#
92 0.0 19.4 29.2#

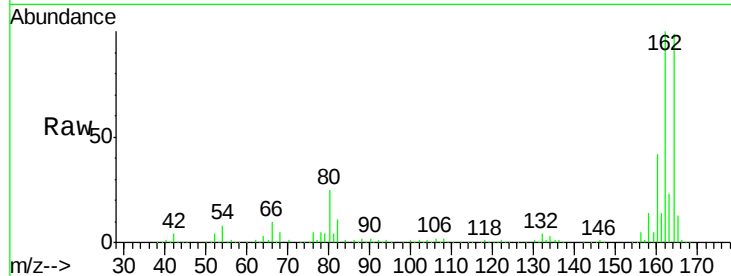




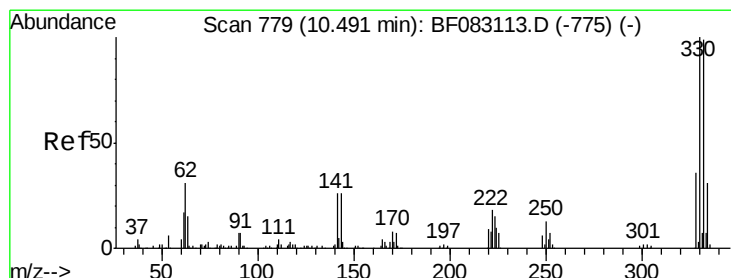
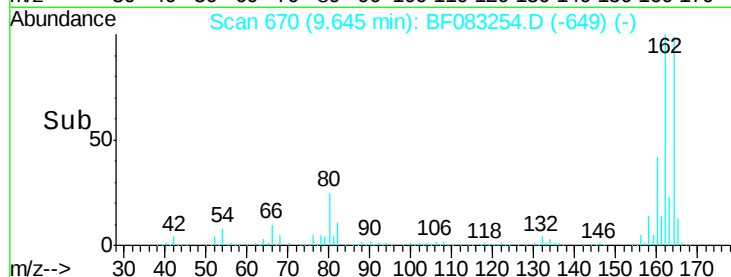
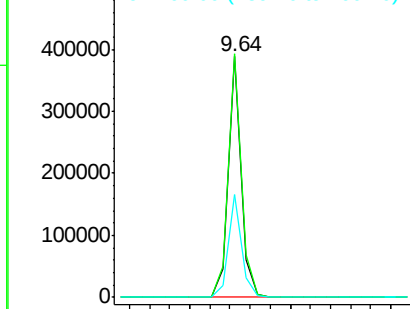
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083254.D
 Acq: 24 Nov 2015 23:38

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATION

Tgt Ion:164 Resp: 345268
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.2 121.8
 160 42.9 35.6 53.4

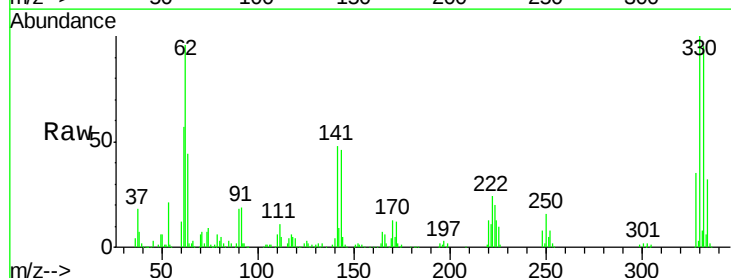


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

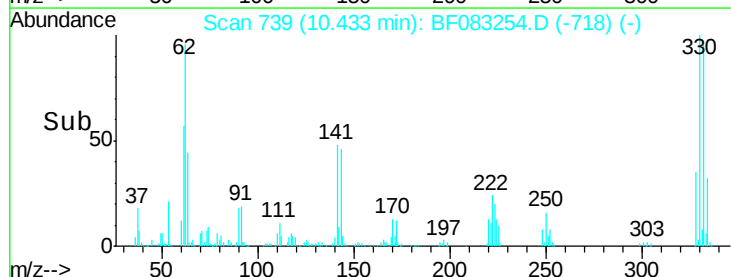
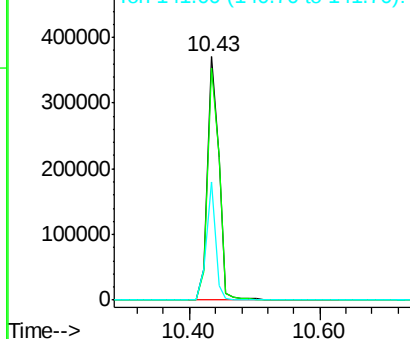


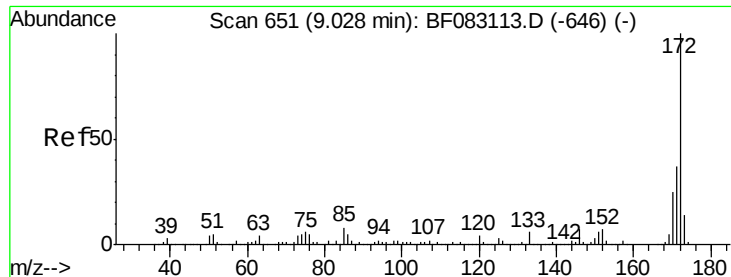
#41
 2,4,6-Tribromophenol
 Concen: 128.27 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083254.D
 Acq: 24 Nov 2015 23:38

Tgt Ion:330 Resp: 453074
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.7 116.5
 141 38.8 29.7 44.5



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

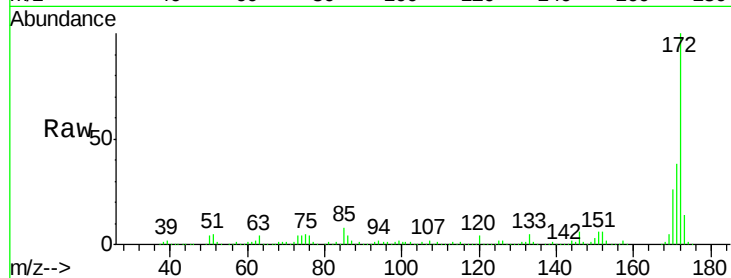




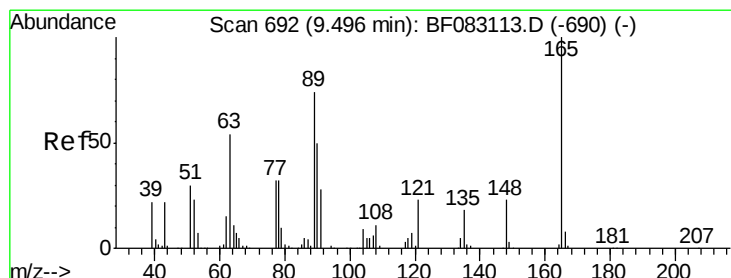
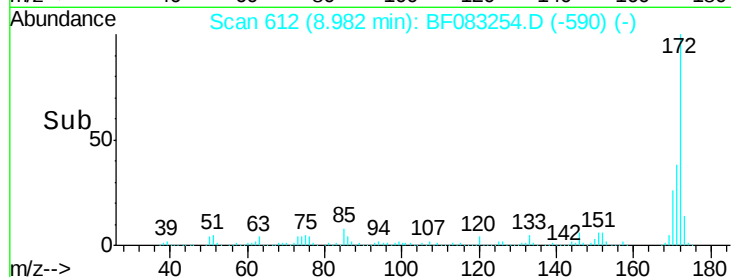
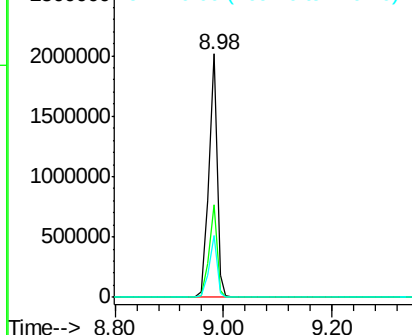
#44
 2-Fluorobiphenyl
 Concen: 85.42 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083254.D
 Acq: 24 Nov 2015 23:38

Instrument :
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Tgt Ion:172 Resp: 2115128
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.5 44.3
 170 25.6 19.9 29.9

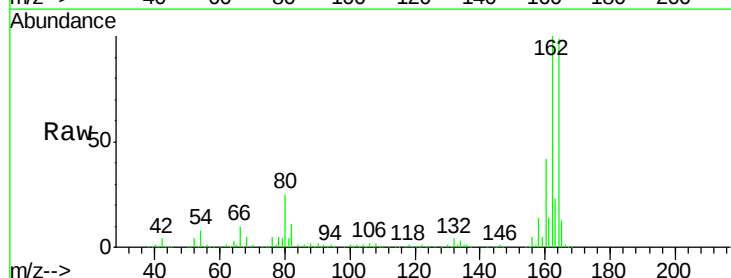


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

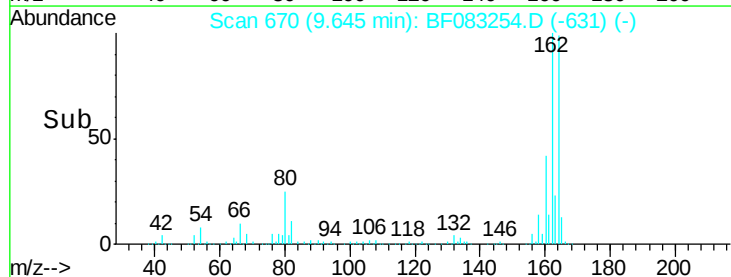
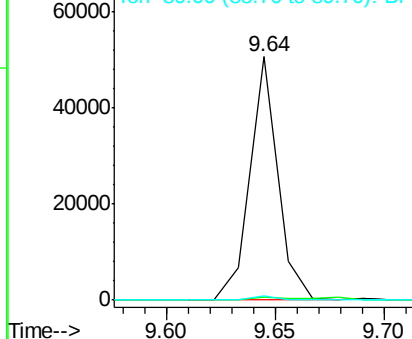


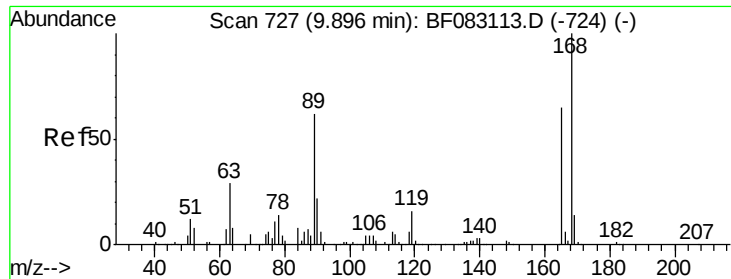
#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.64 min Scan# 670
 Delta R.T. 0.15 min
 Lab File: BF083254.D
 Acq: 24 Nov 2015 23:38

Tgt Ion:165 Resp: 45043
 Ion Ratio Lower Upper
 165 100
 63 1.5 62.5 93.7#
 89 1.8 59.1 88.7#



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

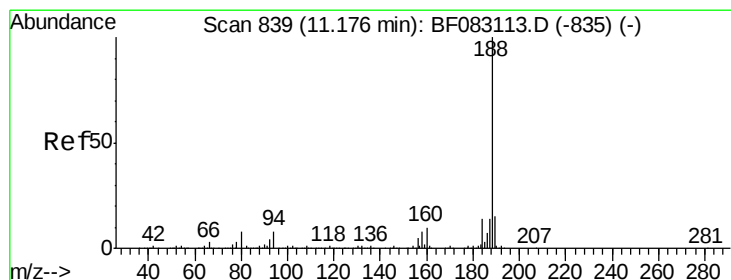
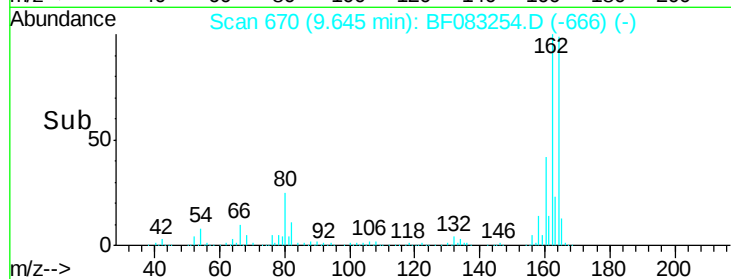
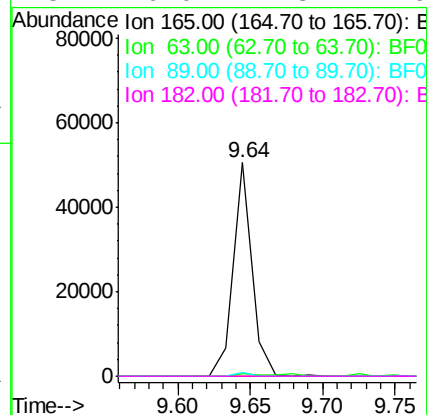
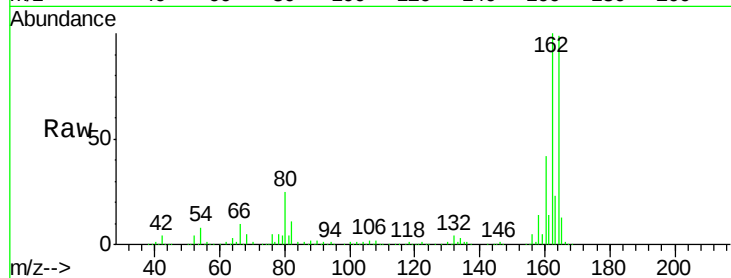




#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.25 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

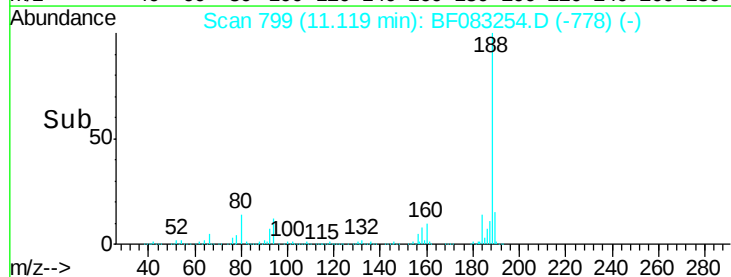
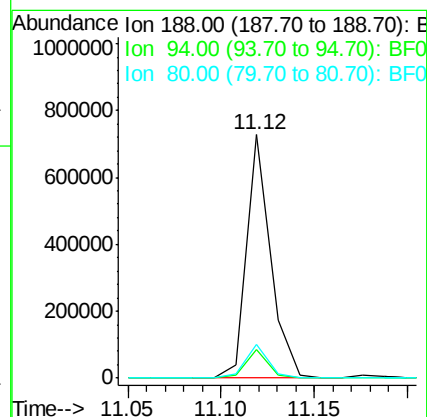
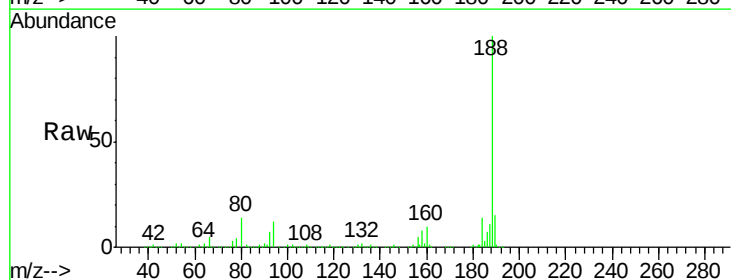
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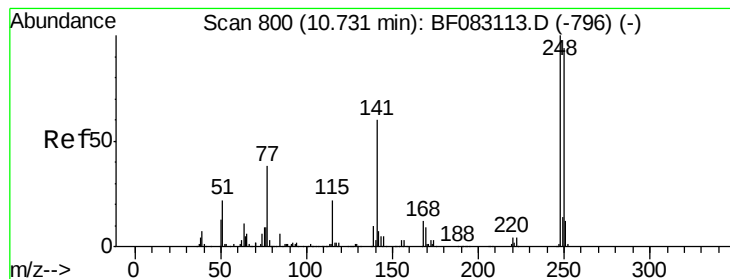
Tgt Ion:	165	Resp:	45350
Ion Ratio	Lower	Upper	
165	100		
63	1.5	54.5	81.7#
89	1.8	77.3	115.9#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

Tgt Ion:	188	Resp:	655095
Ion Ratio	Lower	Upper	
188	100		
94	11.9	6.0	9.0#
80	13.9	6.7	10.1#





#66

4-Bromophenyl-phenylether

Concen: 4.13 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.30 min

Lab File: BF083254.D

Acq: 24 Nov 2015 23:38

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATION

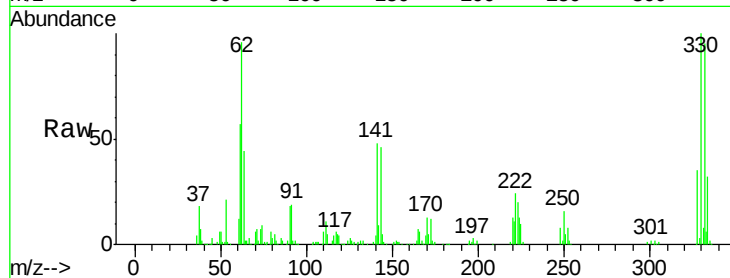
Tgt Ion:248 Resp: 30058

Ion Ratio Lower Upper

248 100

250 200.9 75.4 113.2#

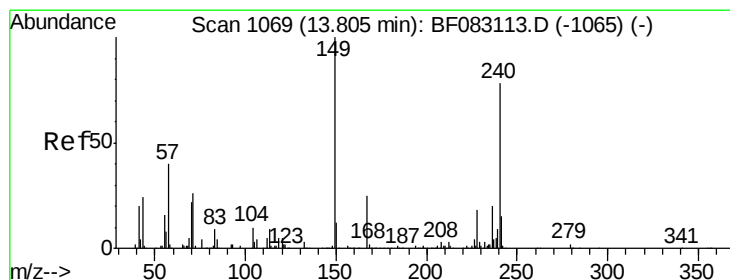
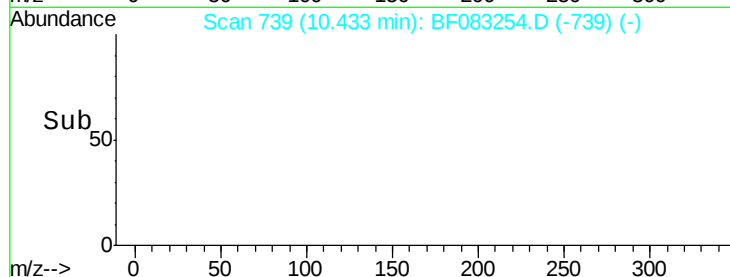
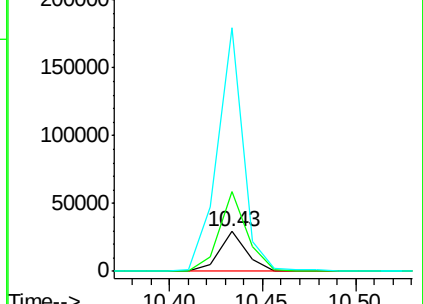
141 616.3 48.1 72.1#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083254.D

Acq: 24 Nov 2015 23:38

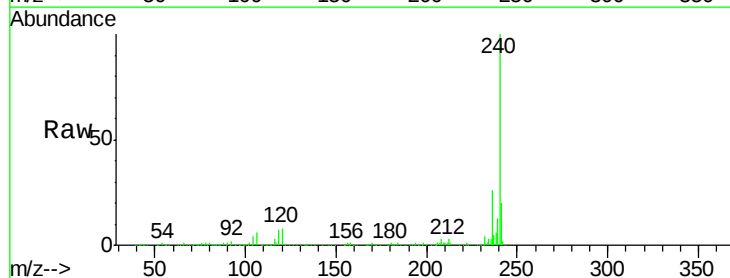
Tgt Ion:240 Resp: 522706

Ion Ratio Lower Upper

240 100

120 8.2 5.4 8.2#

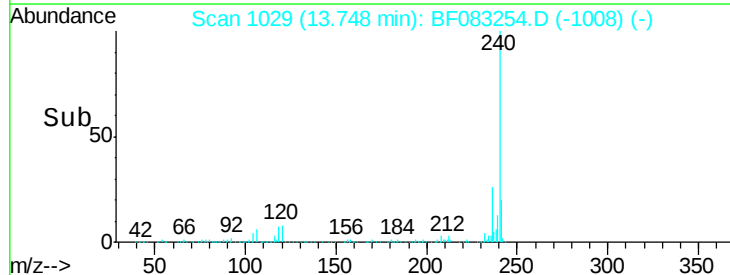
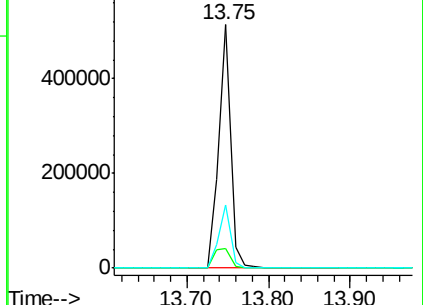
236 25.7 20.6 31.0

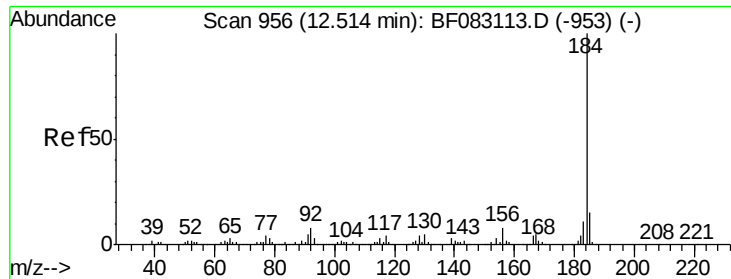


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

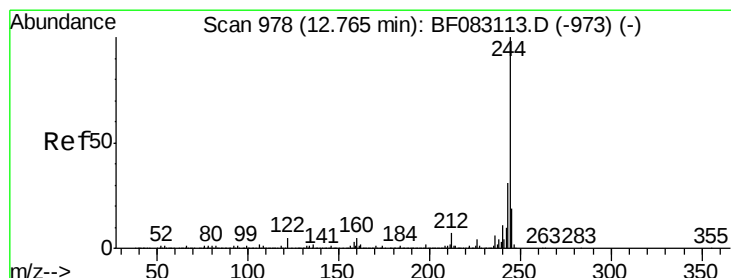
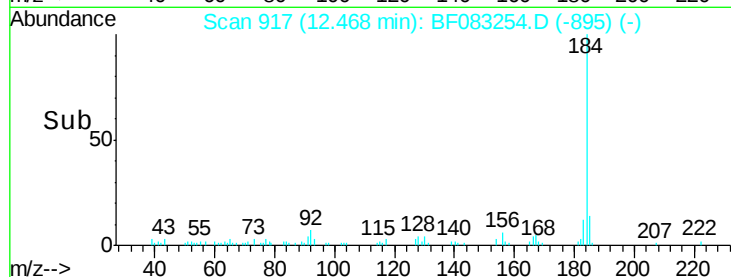
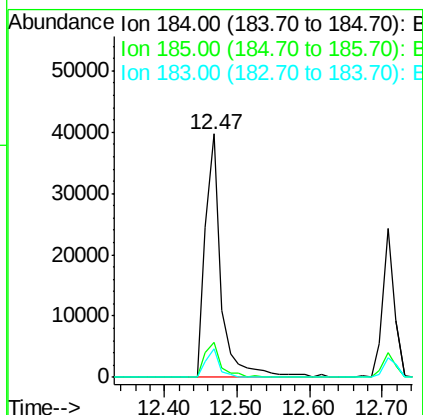
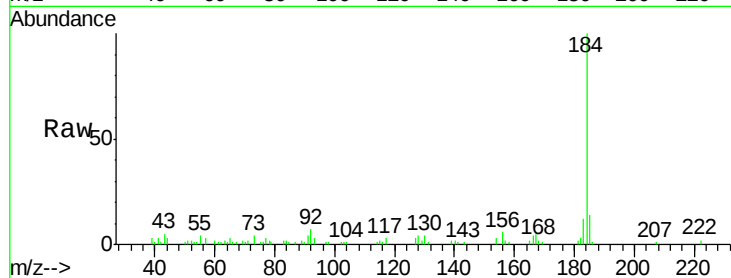




#76
Benzidine
Concen: 4.40 ng
RT: 12.47 min Scan# 917
Delta R.T. -0.05 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

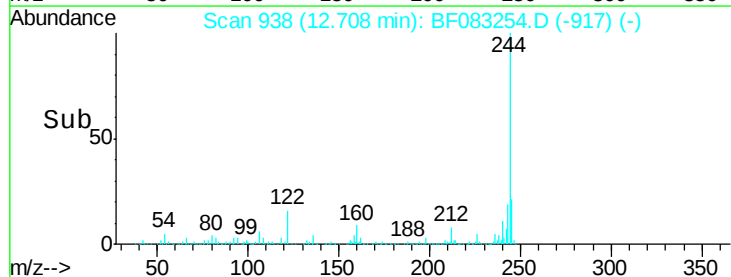
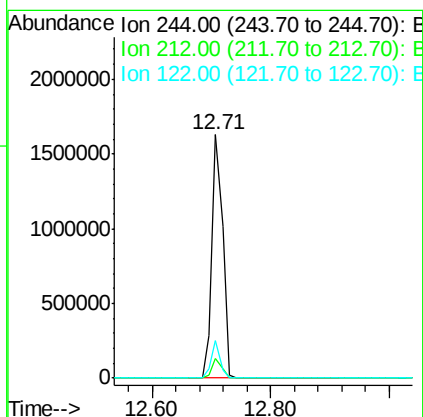
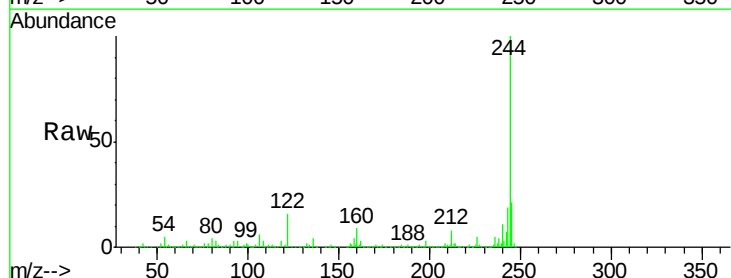
Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATION

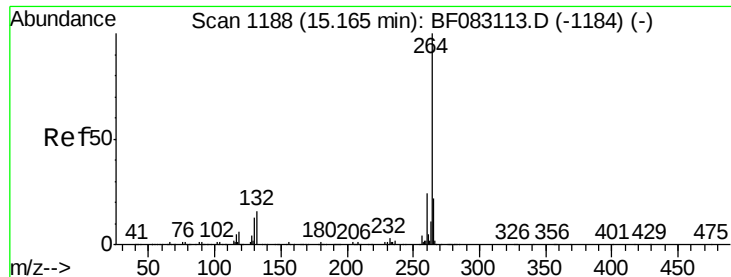
Tgt Ion:184 Resp: 60305
Ion Ratio Lower Upper
184 100
185 14.4 11.7 17.5
183 11.5 8.8 13.2



#78
Terphenyl-d14
Concen: 91.77 ng
RT: 12.71 min Scan# 938
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

Tgt Ion:244 Resp: 2037073
Ion Ratio Lower Upper
244 100
212 8.0 5.4 8.2
122 15.5 4.3 6.5#

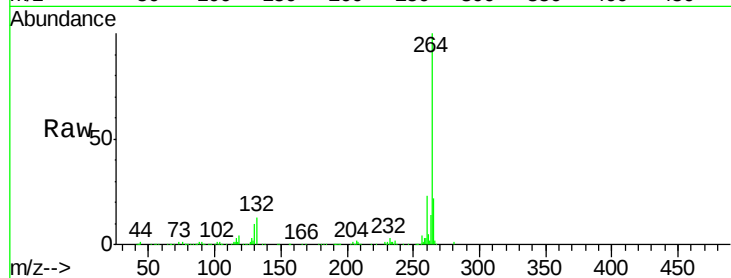




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083254.D
Acq: 24 Nov 2015 23:38

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATION

Tgt Ion: 264 Resp: 398911
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.8 18.2 27.4



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

