

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082416.D
 Acq On : 21 Oct 2015 20:56
 Operator : UM/IZ
 Sample : G4071-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B10-WASTE-CHAR.-1

Quant Time: Oct 22 10:31:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

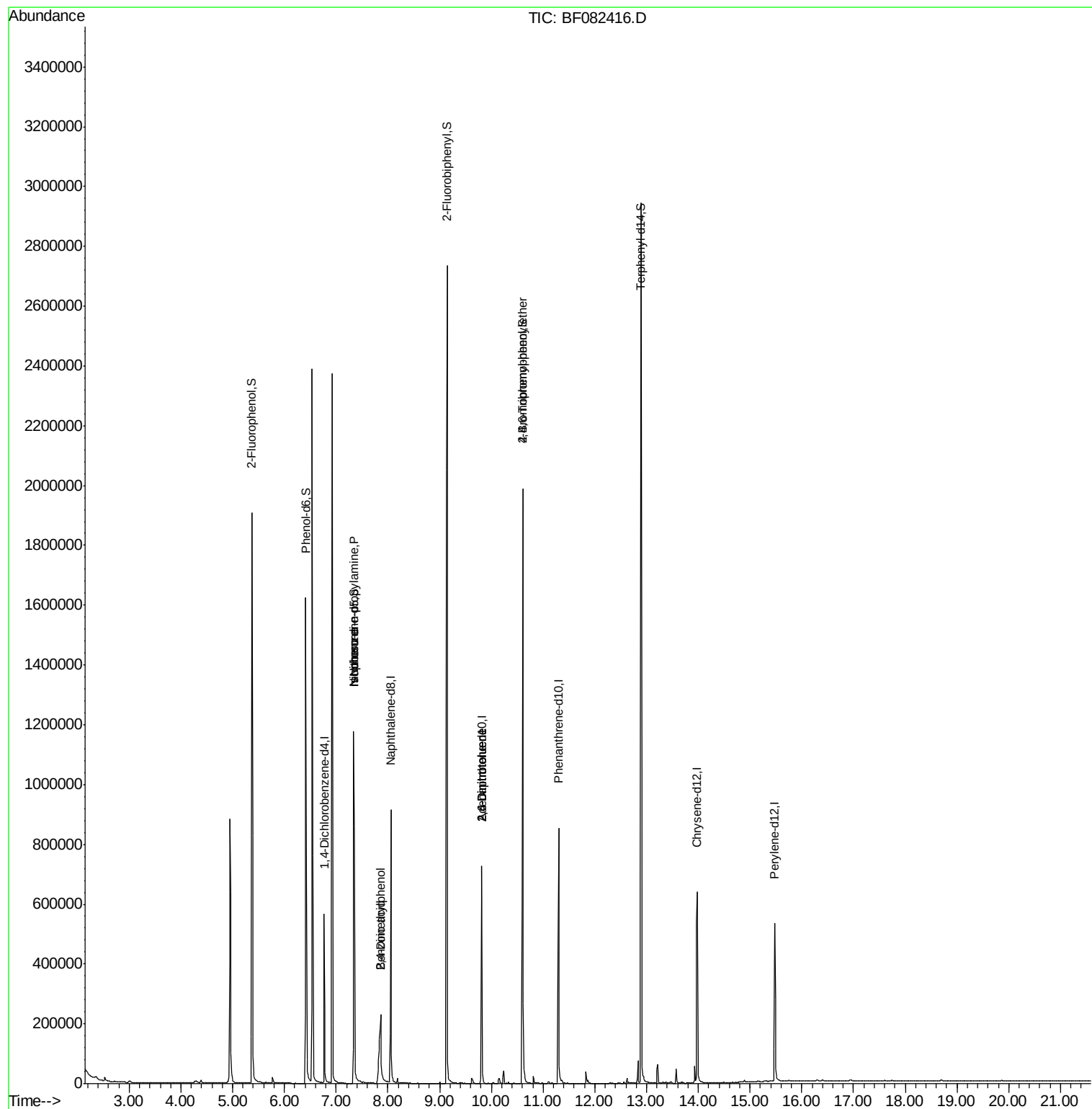
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	110320	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	434869	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	210133	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	429850	20.00	ng	0.00
75) Chrysene-d12	13.98	240	362493	20.00	ng	-0.03
86) Perylene-d12	15.48	264	267965	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	623586	114.08	ng	0.01
7) Phenol-d6	6.41	99	722119	101.52	ng	-0.01
23) Nitrobenzene-d5	7.34	82	570064	88.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	222127	112.72	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1253037	98.89	ng	0.00
78) Terphenyl-d14	12.89	244	1110829	81.20	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	72114	14.44	ng	# 81
25) Isophorone	7.34	82	526985	40.32	ng	# 66
27) 2,4-Dimethylphenol	7.86	122	134257	23.81	ng	# 4
32) Benzoic acid	7.86	122	140121	37.03	ng	97
50) 2,6-Dinitrotoluene	9.82	165	27161	8.70	ng	# 31
56) 2,4-Dinitrotoluene	9.82	165	27161	6.96	ng	# 22
66) 4-Bromophenyl-phenylether	10.61	248	18034	4.19	ng	# 1

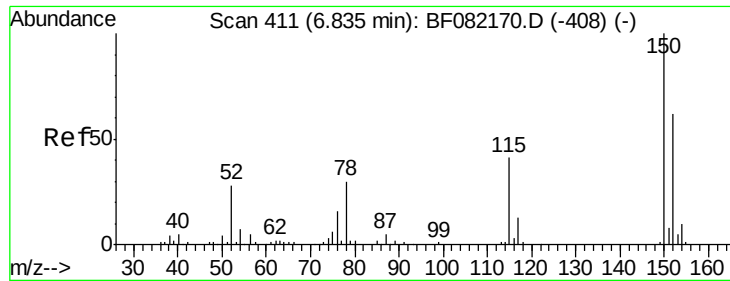
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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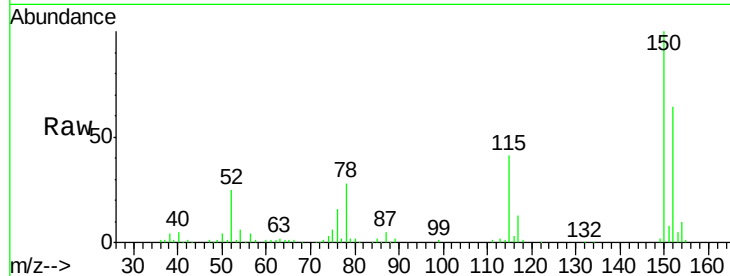


#1

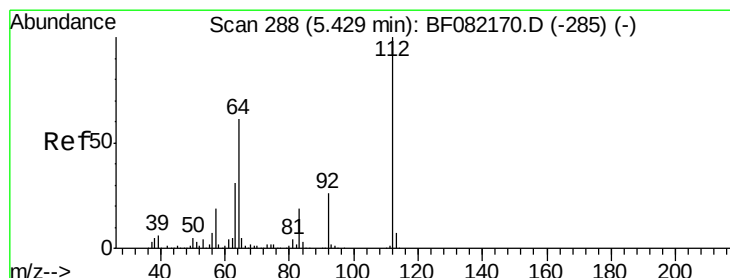
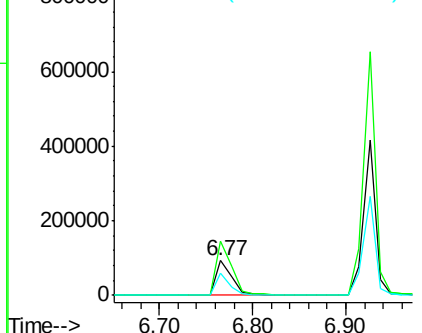
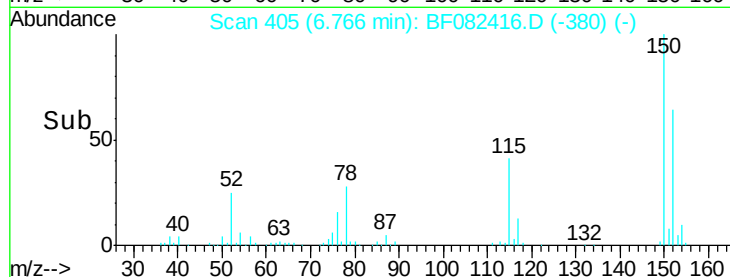
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

Instrument :
BNA_F
ClientSampleId :
B10-WASTE-CHAR.-1

Tot Ion:152 Resp: 110320
Ion Ratio Lower Upper
152 100
150 155.9 129.0 193.4
115 63.7 52.1 78.1



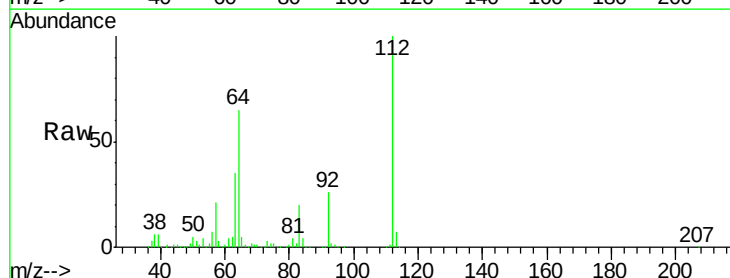
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



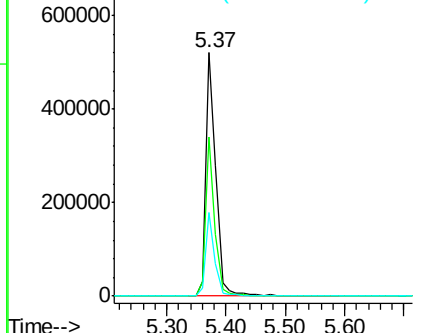
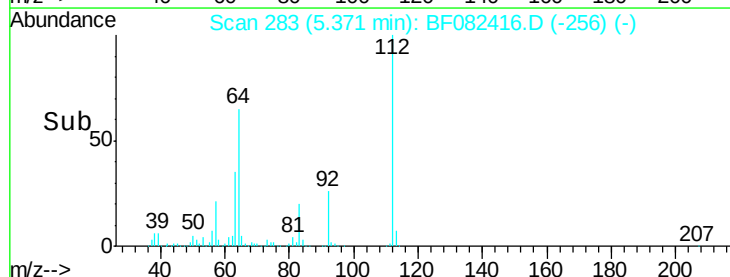
#5

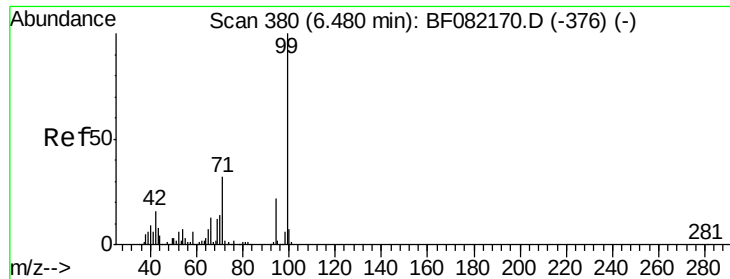
2-Fluorophenol
Concen: 114.08 ng
RT: 5.37 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

Tgt Ion:112 Resp: 623586
Ion Ratio Lower Upper
112 100
64 65.2 48.6 73.0
63 34.6 25.1 37.7



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: 101.52 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

Instrument :

BNA_F

ClientSampleId :

B10-WASTE-CHAR.-1

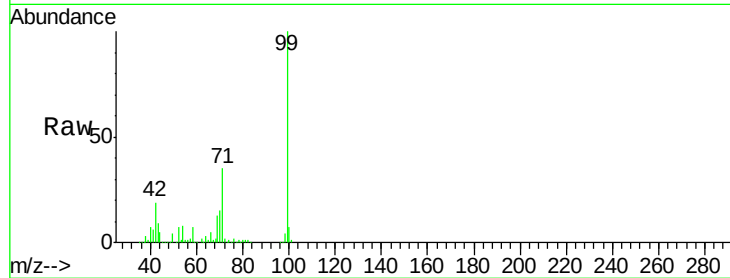
Tot Ion: 99 Resp: 722119

Ion Ratio Lower Upper

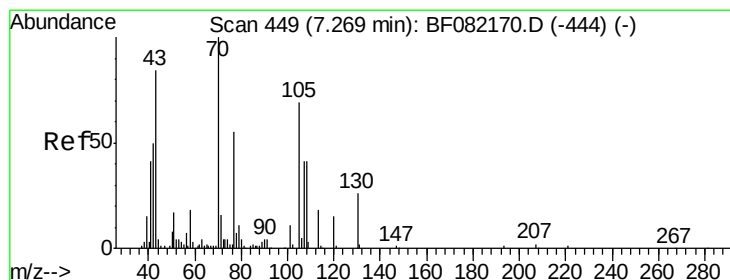
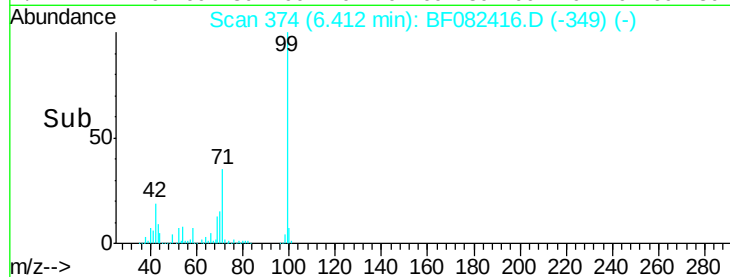
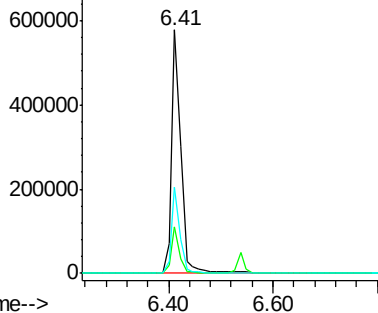
99 100

42 19.0 13.2 19.8

71 35.3 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: 14.44 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

Tgt Ion: 70 Resp: 72114

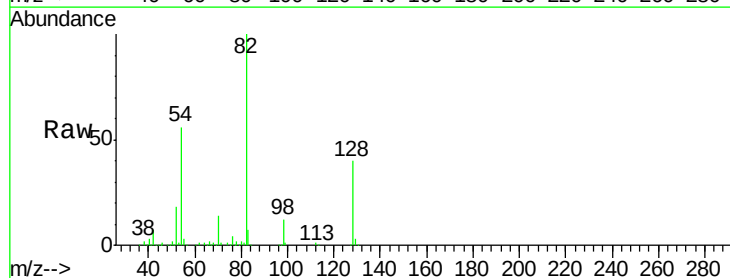
Ion Ratio Lower Upper

70 100

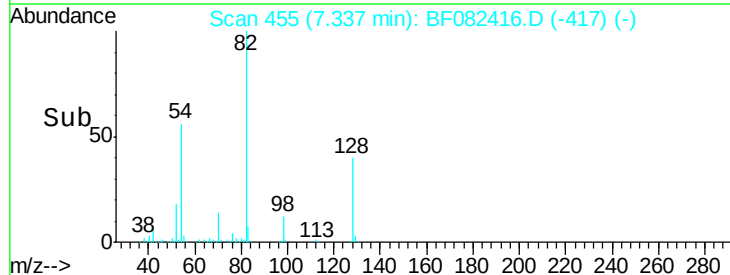
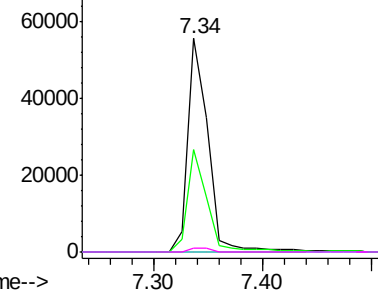
42 48.2 39.8 59.8

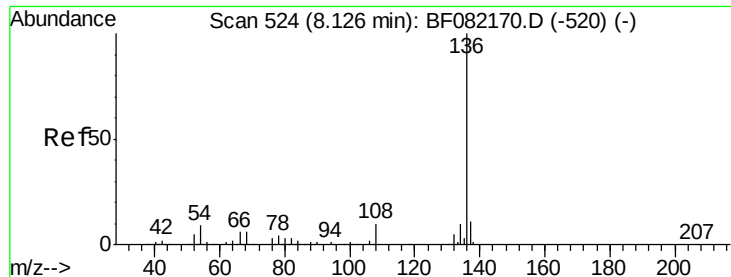
101 0.0 8.6 13.0#

130 2.1 20.5 30.7#



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: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

Instrument :

BNA_F

ClientSampleId :

B10-WASTE-CHAR.-1

Tot Ion:136 Resp: 434869

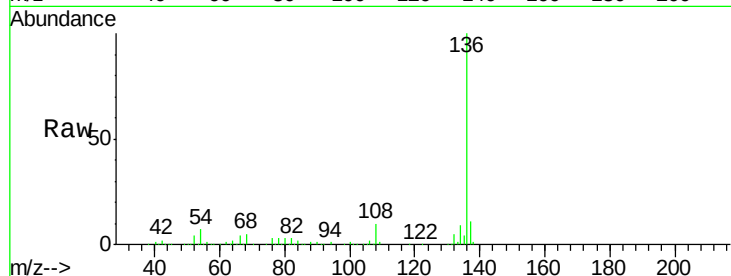
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 7.2 7.5 11.3#

68 4.8 4.6 7.0

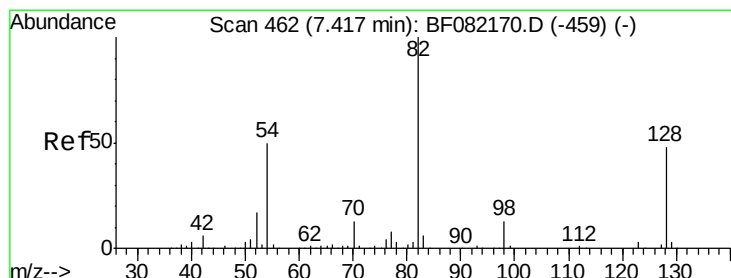
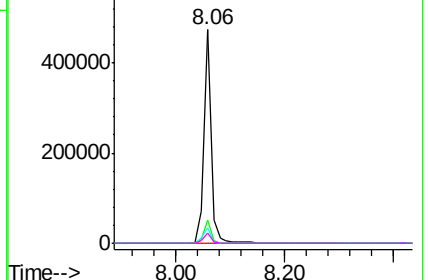
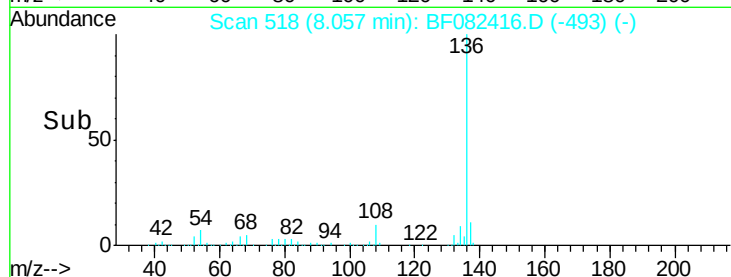


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.03 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

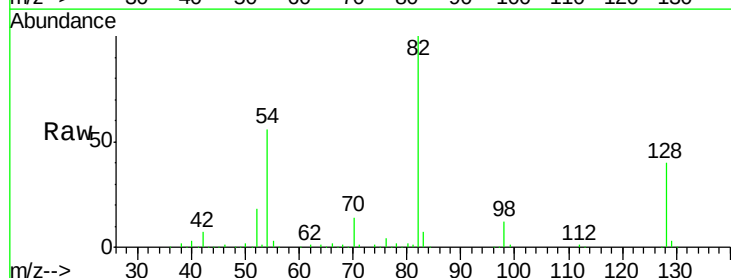
Tgt Ion: 82 Resp: 570064

Ion Ratio Lower Upper

82 100

128 40.5 38.7 58.1

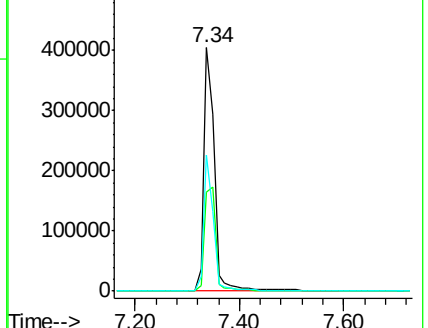
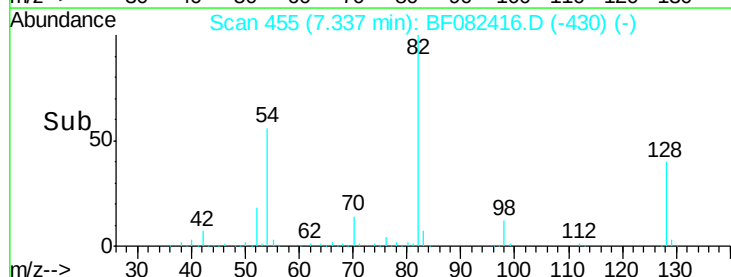
54 56.0 40.1 60.1

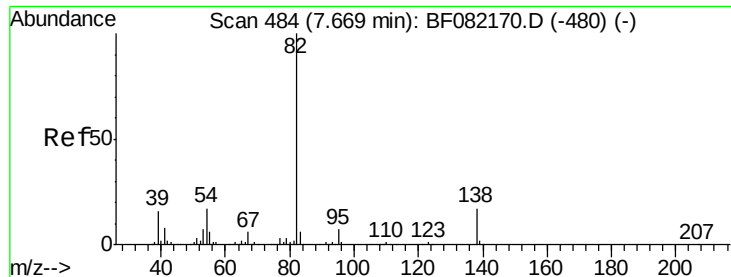


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.32 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

Instrument :

BNA_F

ClientSampleId :

B10-WASTE-CHAR.-1

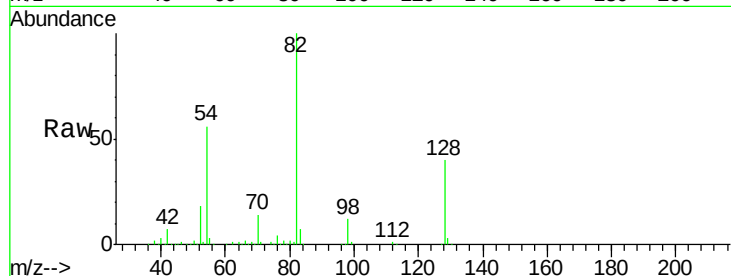
Tot Ion: 82 Resp: 526985

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

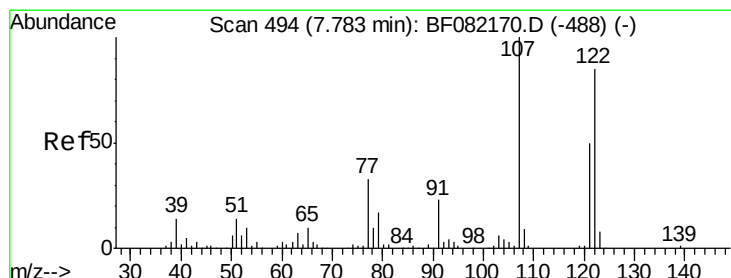
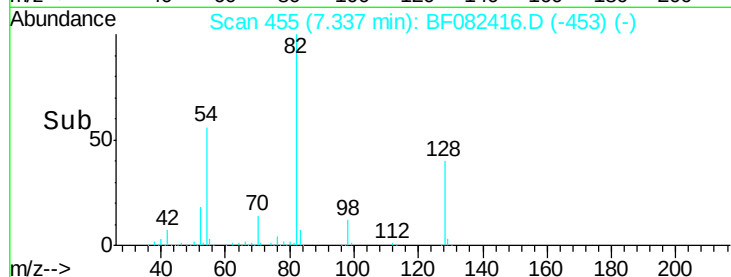
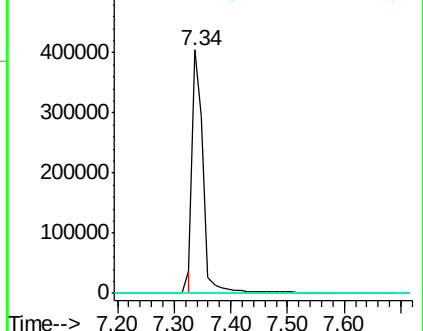
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 23.81 ng

RT: 7.86 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

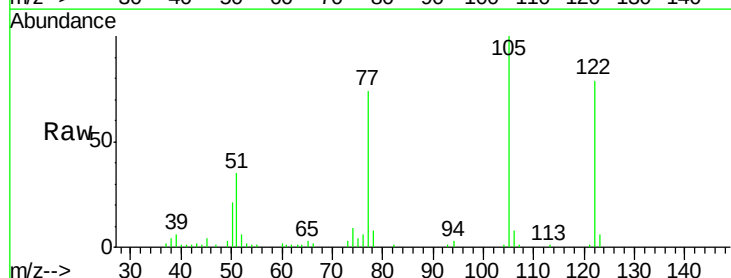
Tgt Ion: 122 Resp: 134257

Ion Ratio Lower Upper

122 100

107 1.0 94.0 141.0#

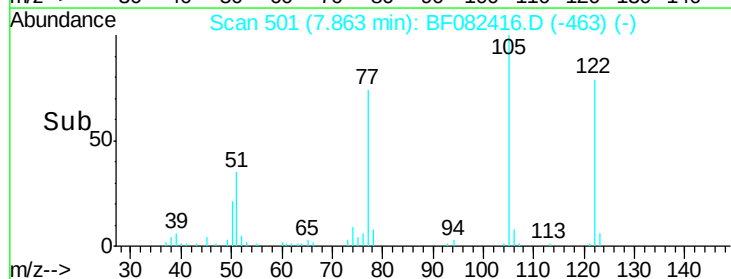
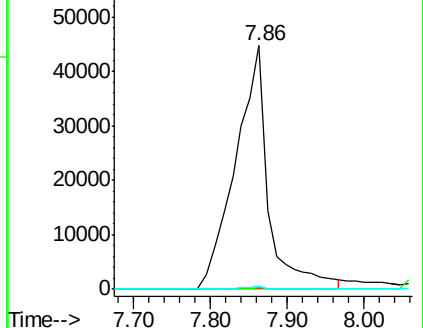
121 1.1 46.8 70.2#

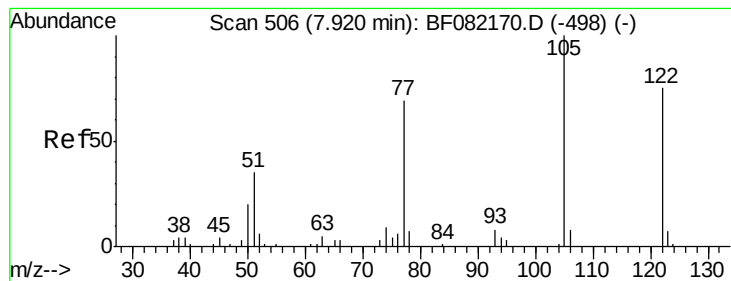


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 37.03 ng

RT: 7.86 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

Instrument :

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ClientSampleId :

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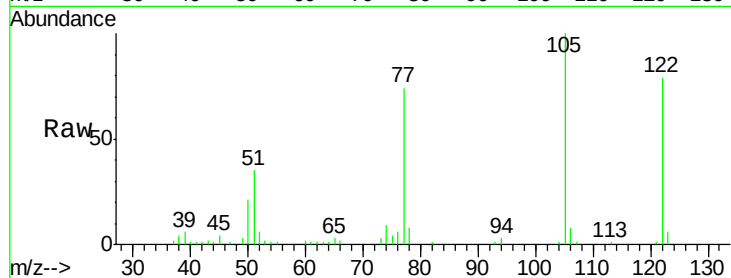
Tot Ion:122 Resp: 140121

Ion Ratio Lower Upper

122 100

105 125.9 104.4 144.4

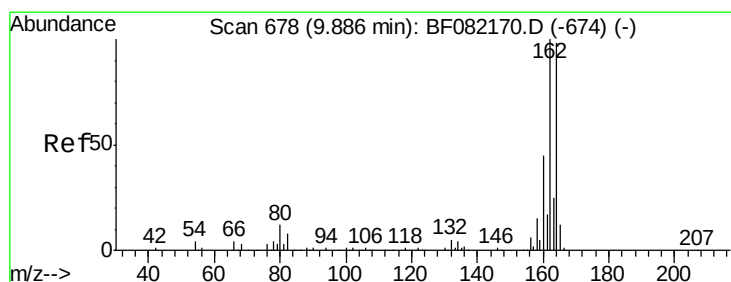
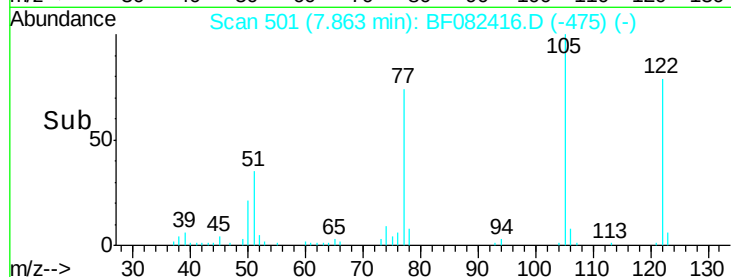
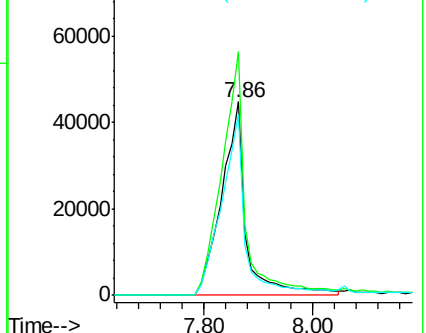
77 93.8 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082416.D

Acq: 21 Oct 2015 20:56

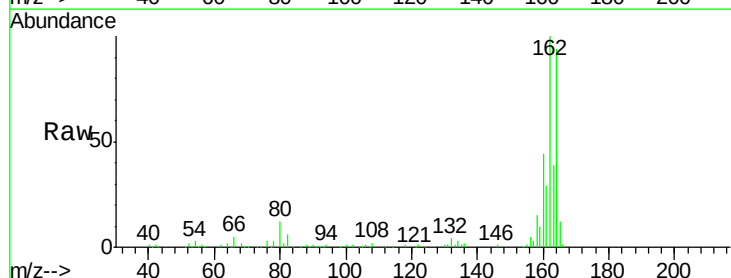
Tgt Ion:164 Resp: 210133

Ion Ratio Lower Upper

164 100

162 106.8 81.6 122.4

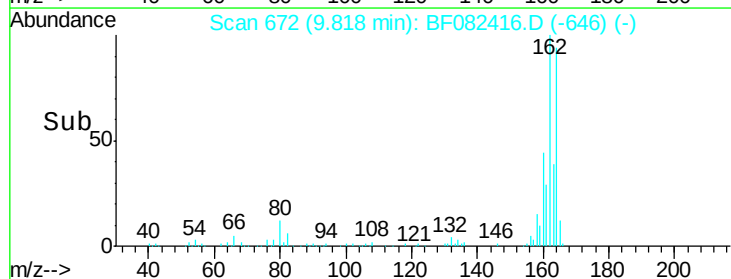
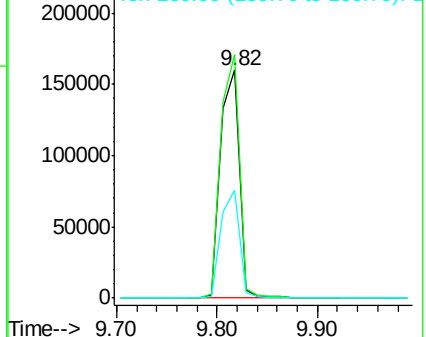
160 47.2 36.4 54.6

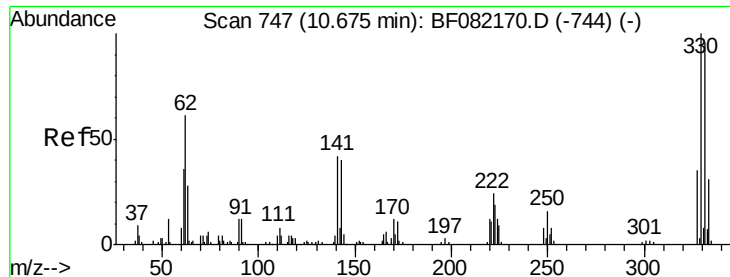


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

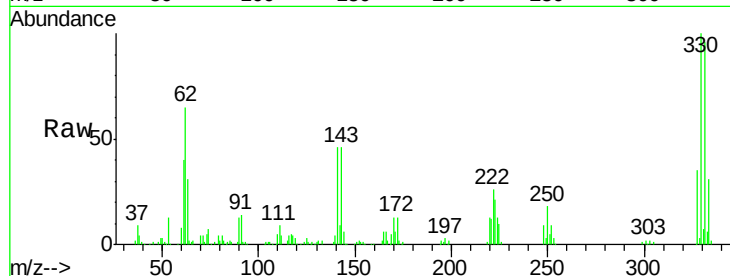




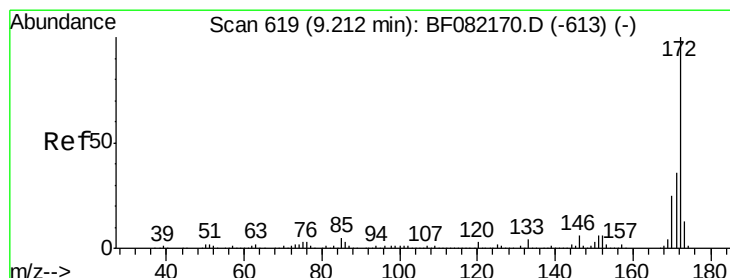
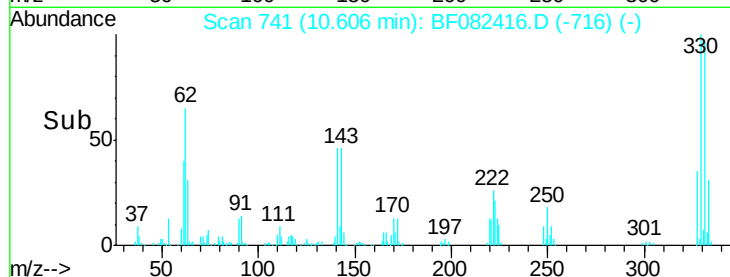
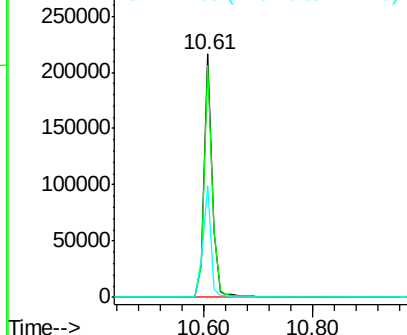
#41
 2,4,6-Tribromophenol
 Concen: 112.72 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082416.D
 Acq: 21 Oct 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B10-WASTE-CHAR.-1

Tot Ion:330 Resp: 222127
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.1 115.7
 141 45.2 29.8 44.8#

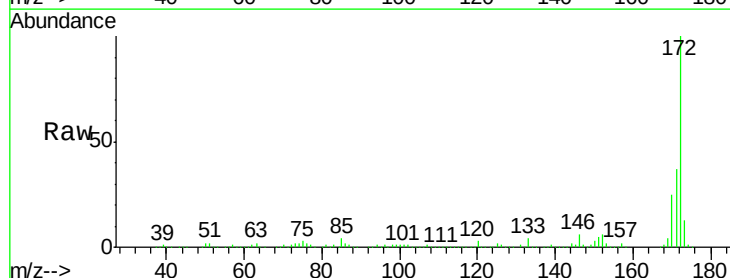


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

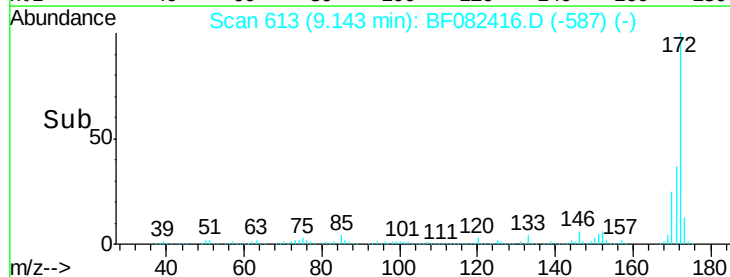
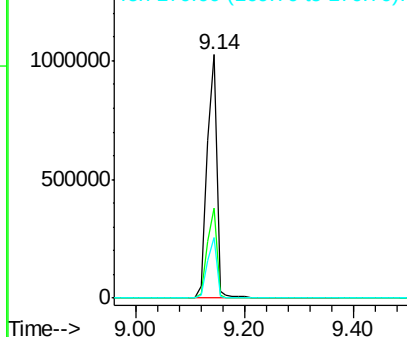


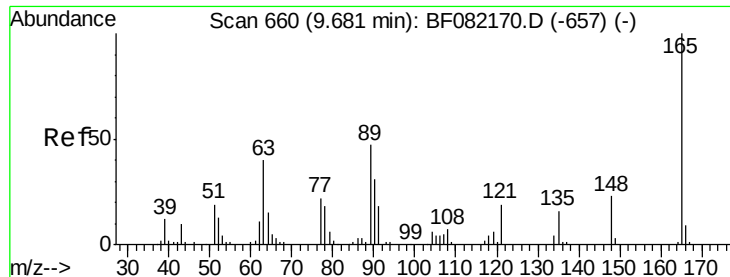
#44
 2-Fluorobiphenyl
 Concen: 98.89 ng
 RT: 9.14 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF082416.D
 Acq: 21 Oct 2015 20:56

Tgt Ion:172 Resp: 1253037
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 42.8
 170 24.7 19.7 29.5



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

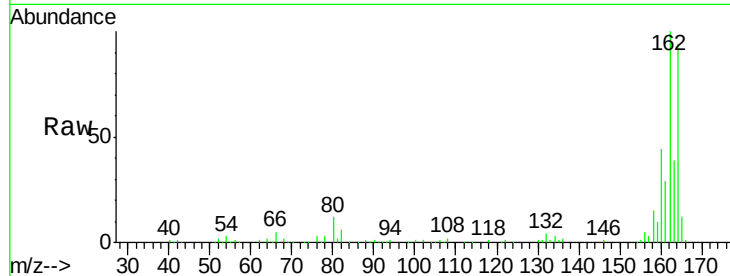




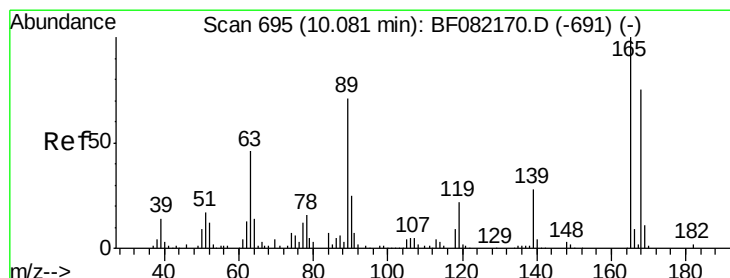
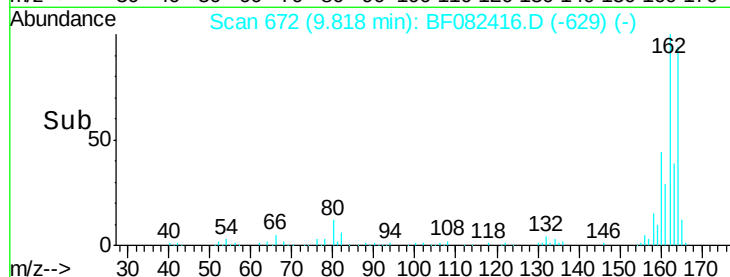
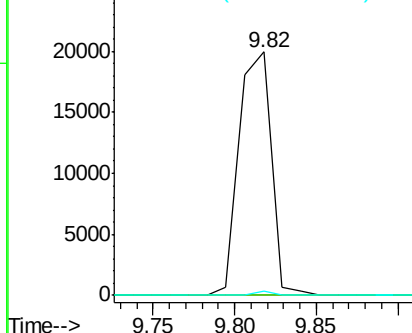
#50
 2,6-Dinitrotoluene
 Concen: 8.70 ng
 RT: 9.82 min Scan# 672
 Delta R.T. 0.19 min
 Lab File: BF082416.D
 Acq: 21 Oct 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B10-WASTE-CHAR.-1

Tot Ion:165 Resp: 27161
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.7 55.1#
 89 1.5 37.8 56.6#



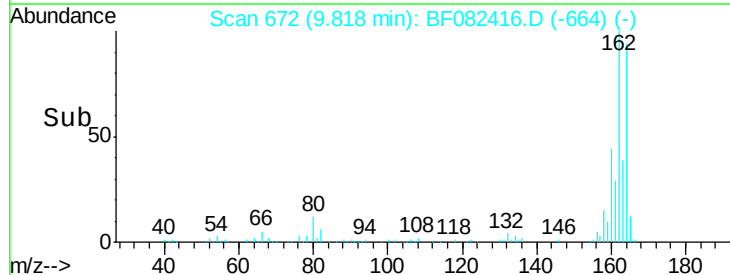
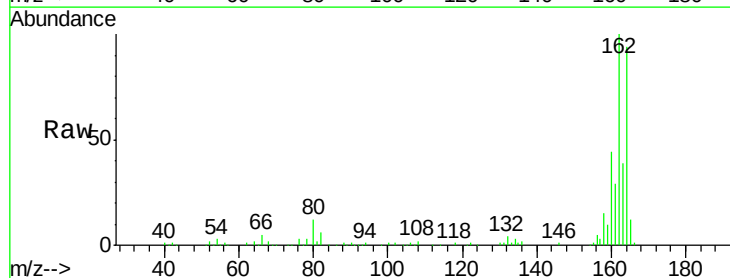
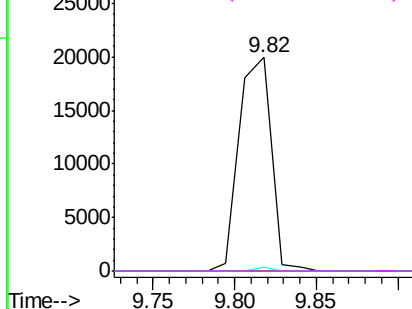
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

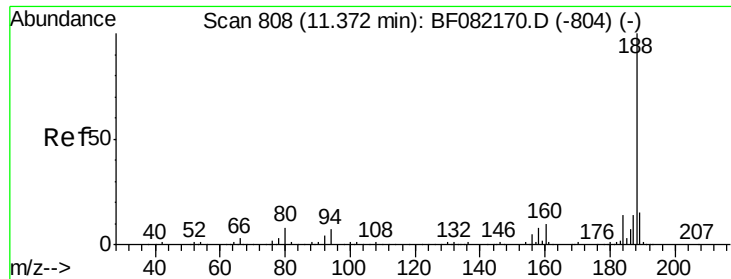


#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.82 min Scan# 672
 Delta R.T. -0.21 min
 Lab File: BF082416.D
 Acq: 21 Oct 2015 20:56

Tgt Ion:165 Resp: 27161
 Ion Ratio Lower Upper
 165 100
 63 0.0 38.6 58.0#
 89 1.5 57.0 85.6#
 182 0.0 1.8 2.6#

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
 Ion 182.00 (181.70 to 182.70): E

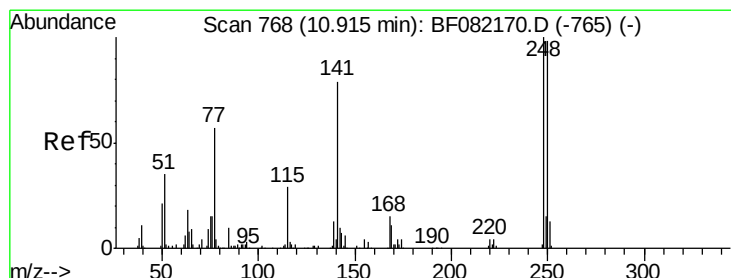
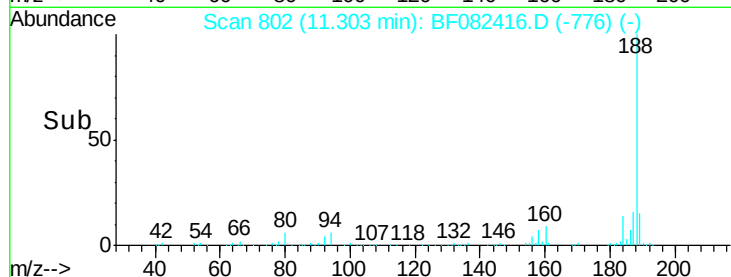
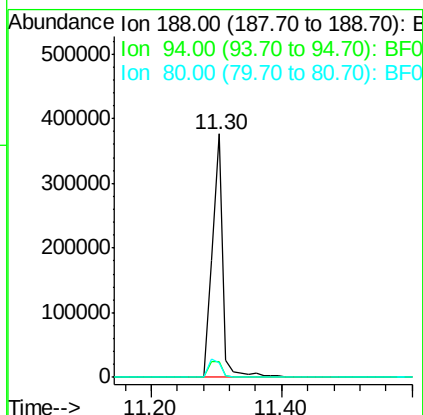
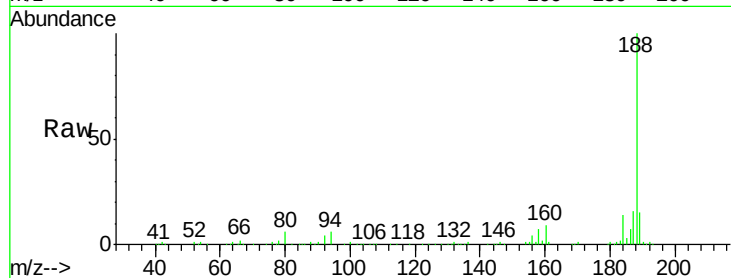




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

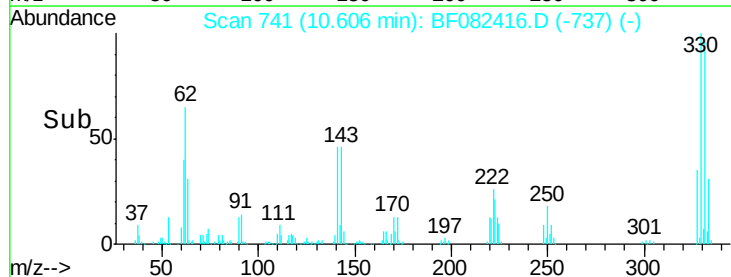
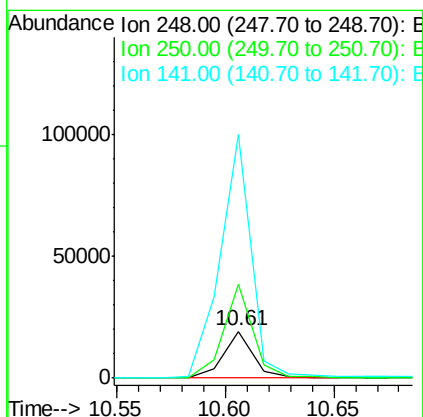
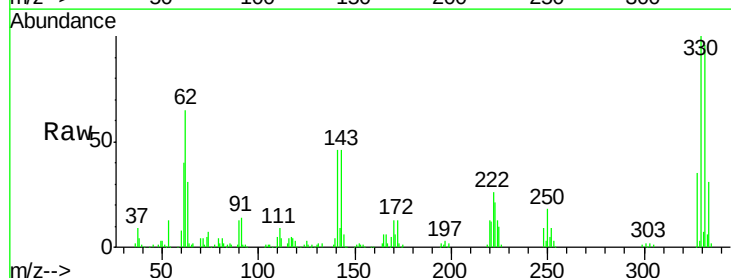
Instrument :
BNA_F
ClientSampleId :
B10-WASTE-CHAR.-1

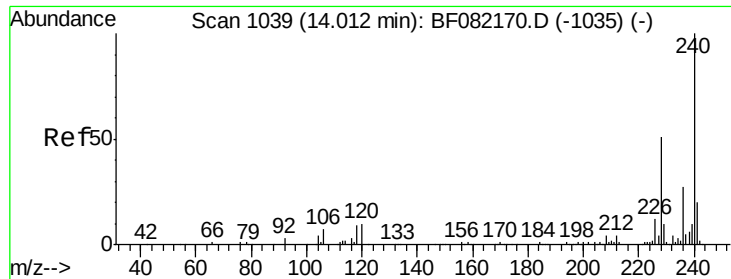
Tot Ion:188 Resp: 429850
Ion Ratio Lower Upper
188 100
94 6.3 5.8 8.6
80 6.2 6.4 9.6#



#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.61 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

Tgt Ion:248 Resp: 18034
Ion Ratio Lower Upper
248 100
250 198.4 78.6 117.8#
141 517.0 63.3 94.9#

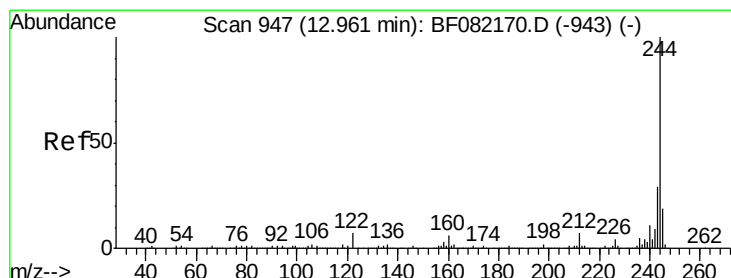
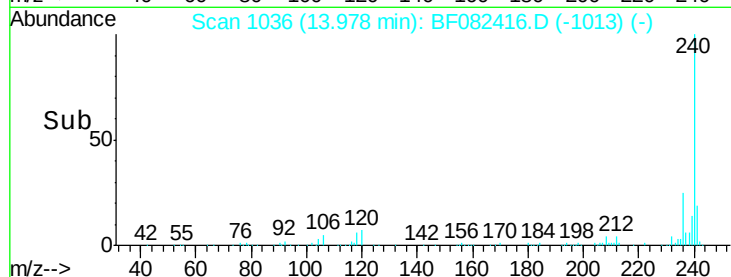
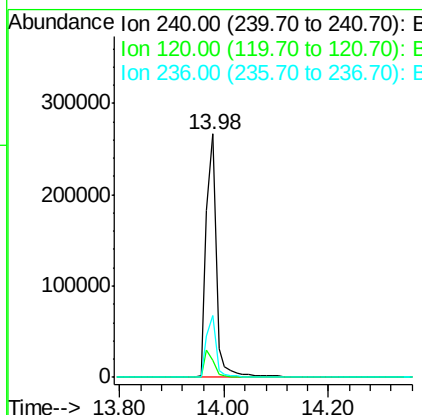
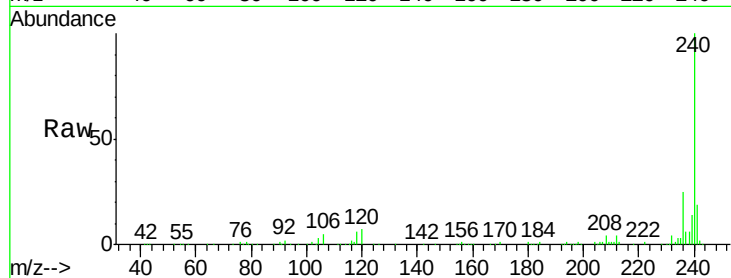




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

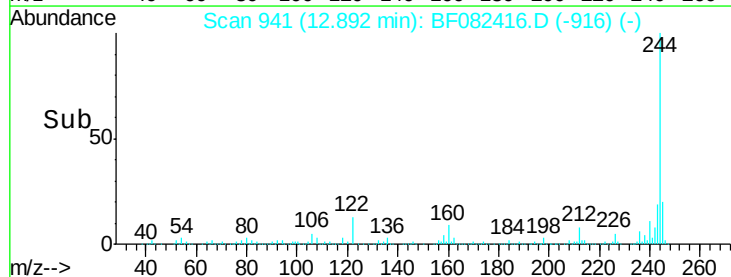
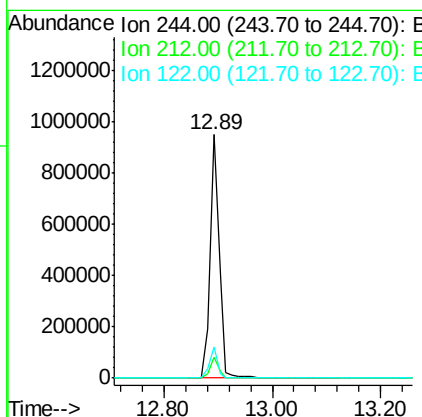
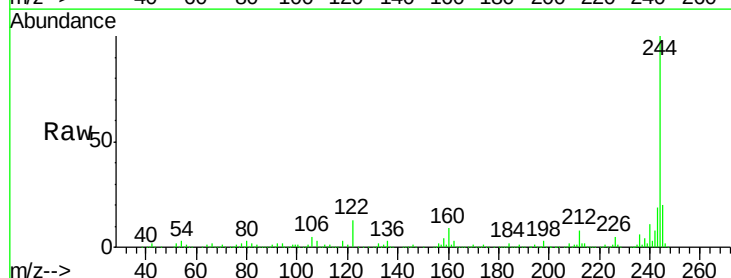
Instrument :
BNA_F
ClientSampleId :
B10-WASTE-CHAR.-1

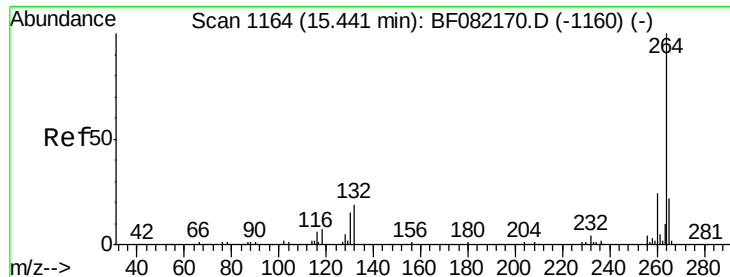
Tot Ion:240 Resp: 362493
Ion Ratio Lower Upper
240 100
120 6.9 8.1 12.1#
236 25.5 21.3 31.9



#78
Terphenyl-d14
Concen: 81.20 ng
RT: 12.89 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF082416.D
Acq: 21 Oct 2015 20:56

Tgt Ion:244 Resp: 1110829
Ion Ratio Lower Upper
244 100
212 8.4 5.8 8.6
122 12.9 5.9 8.9#

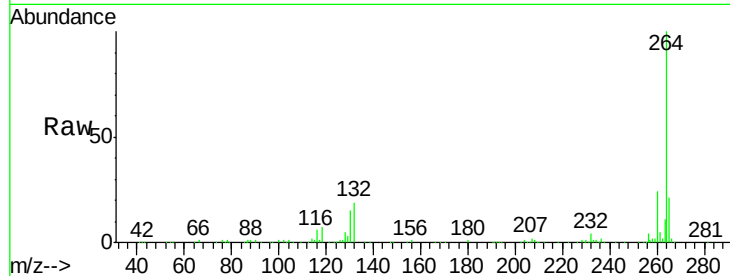




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1167
 Delta R.T. -0.06 min
 Lab File: BF082416.D
 Acq: 21 Oct 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 B10-WASTE-CHAR.-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	21.4	17.3	25.9



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

