

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084975.D
 Acq On : 10 Feb 2016 1:59
 Operator : SJ/IZ
 Sample : H1392-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-5W-(0-2)

Quant Time: Feb 10 03:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

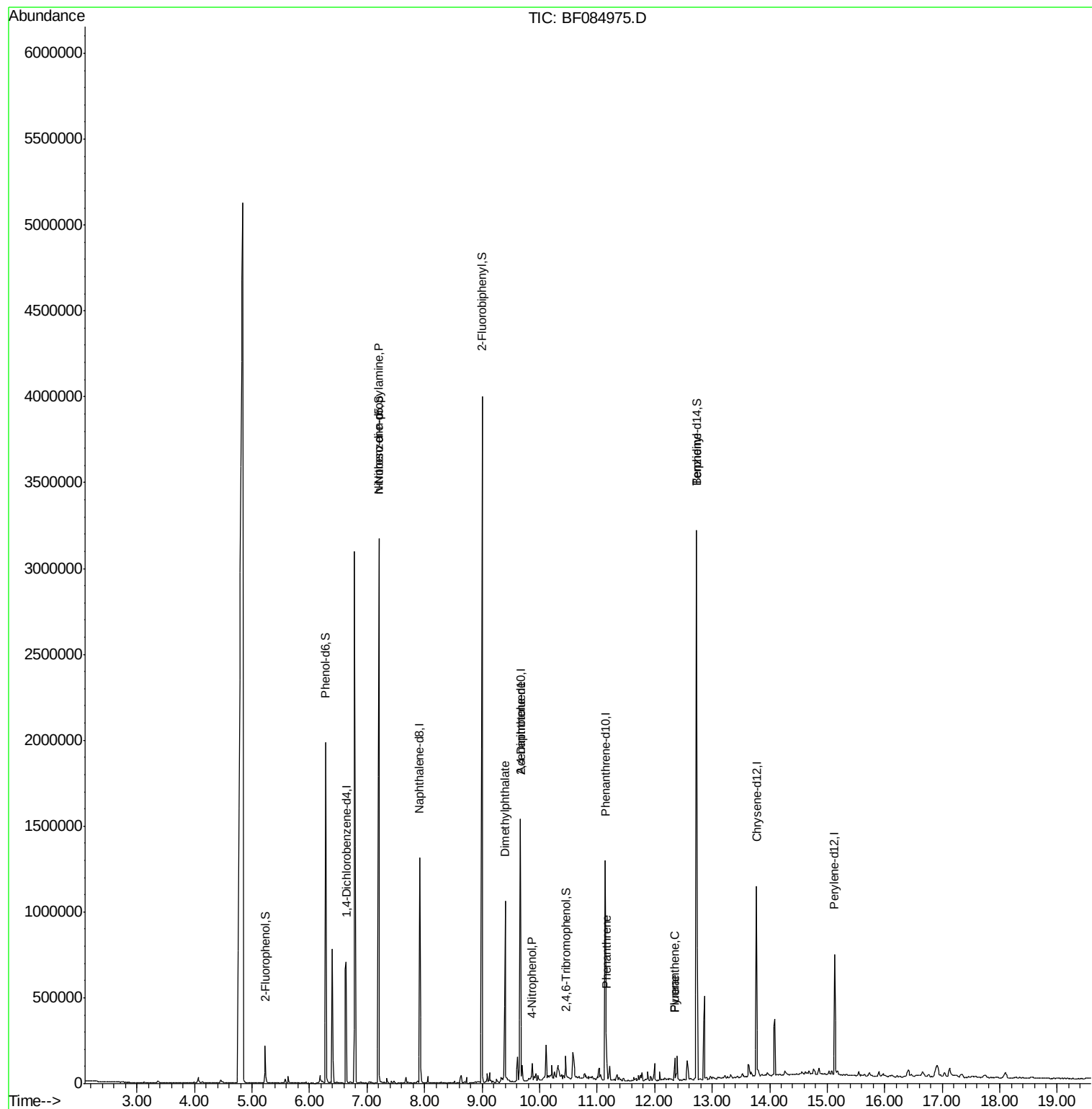
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	154470	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	622363	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	305447	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	522456	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	374720	20.00	ng	-0.07
86) Perylene-d12	15.13	264	296460	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	70676	7.13	ng	-0.05
7) Phenol-d6	6.28	99	603183	49.06	ng	-0.06
23) Nitrobenzene-d5	7.21	82	1207524	109.30	ng	-0.06
41) 2,4,6-Tribromophenol	10.45	330	12569	3.94	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1440438	76.92	ng	-0.06
78) Terphenyl-d14	12.73	244	993519	60.08	ng	-0.07
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	168961	21.92	ng	# 73
49) Dimethylphthalate	9.40	163	484056	20.81	ng	# 91
55) 4-Nitrophenol	9.87	139	11008	2.62	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	39936	6.16	ng	# 22
70) Phenanthrene	11.16	178	109464	3.78	ng	99
74) Fluoranthene	12.35	202	61108	2.08	ng	94
76) Benzidine	12.73	184	13806	7.58	ng	# 94
77) Pyrene	12.35	202	61108	2.13	ng	98

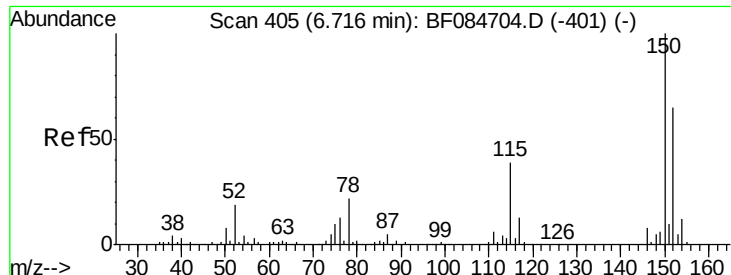
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

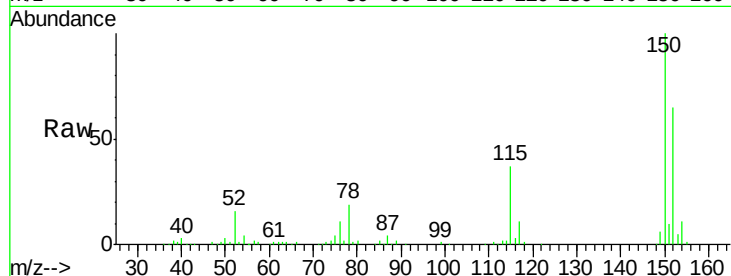
Tgt Ion:152 Resp: 154470

Ion Ratio Lower Upper

152 100

150 153.6 123.0 184.4

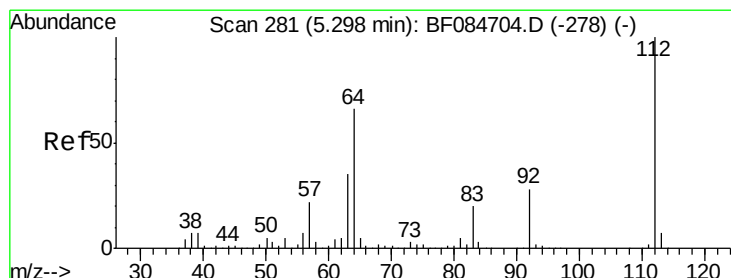
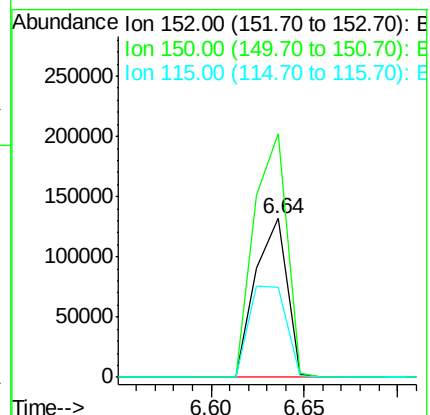
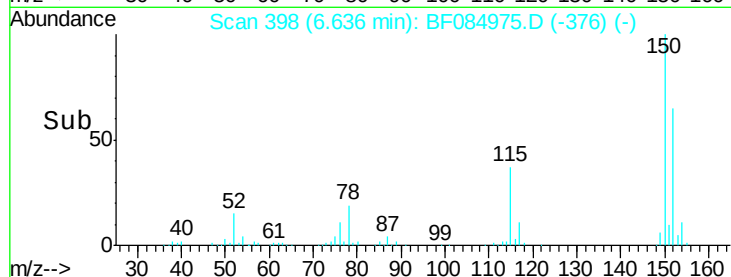
115 57.0 51.4 77.2



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: 7.13 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

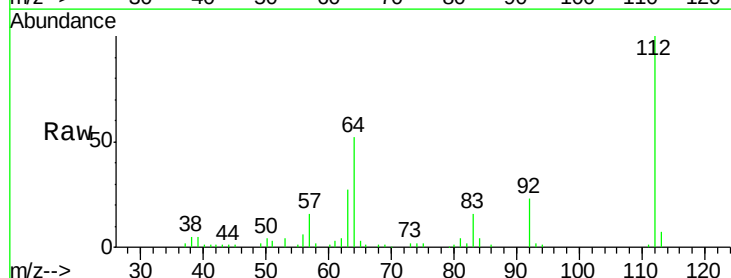
Tgt Ion:112 Resp: 70676

Ion Ratio Lower Upper

112 100

64 51.7 36.6 55.0

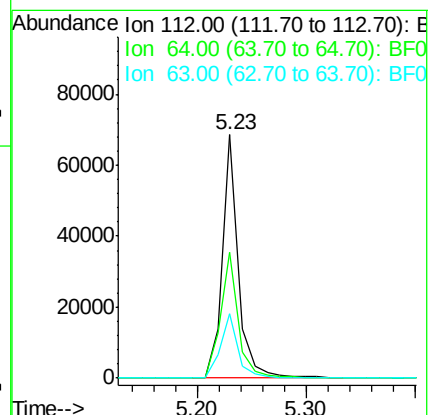
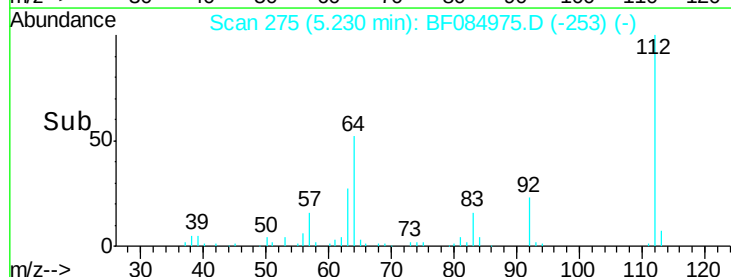
63 26.7 19.4 29.0

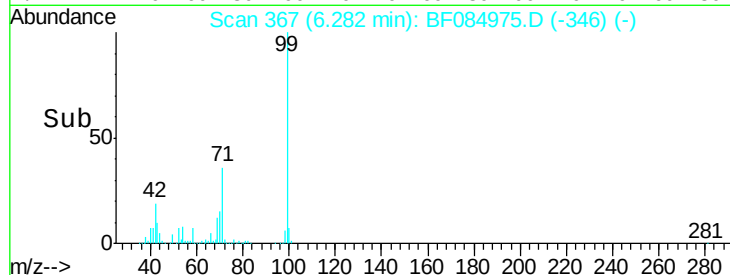
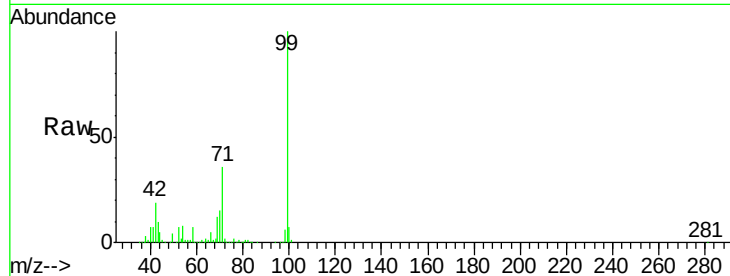
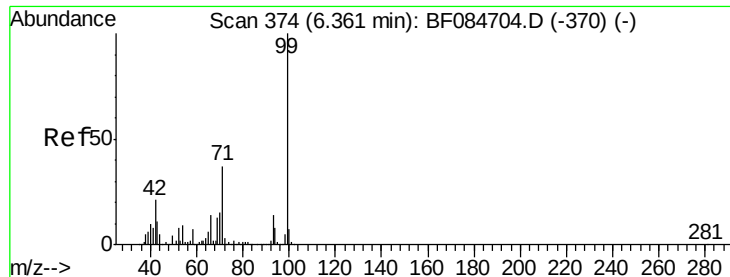


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.06 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

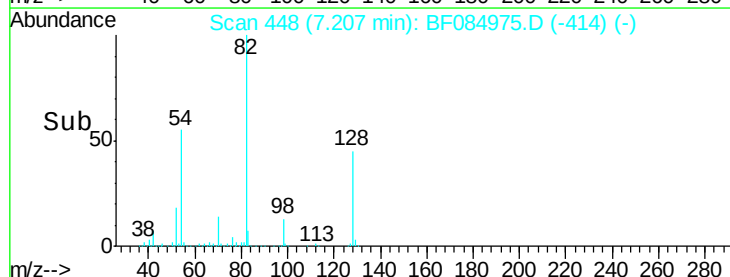
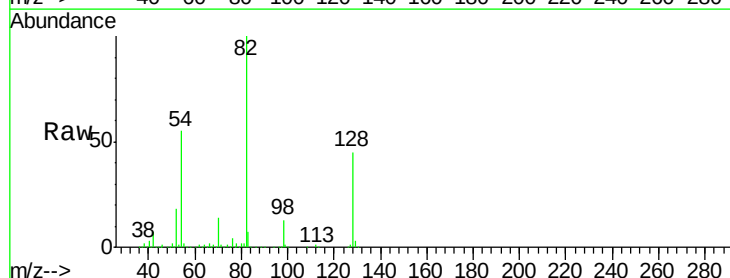
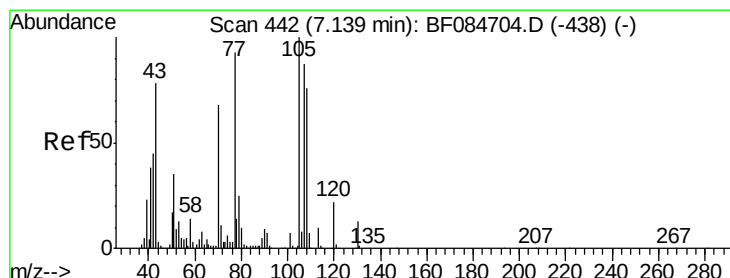
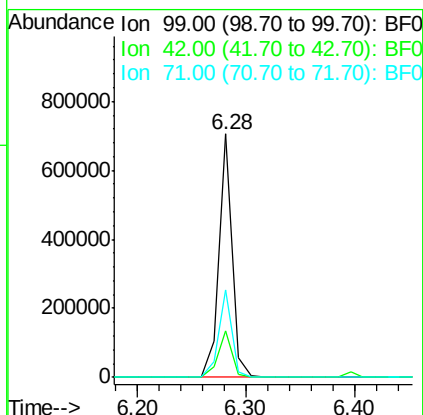
Tgt Ion: 99 Resp: 603183

Ion Ratio Lower Upper

99 100

42 19.3 12.8 19.2#

71 35.8 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 21.92 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.09 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Tgt Ion: 70 Resp: 168961

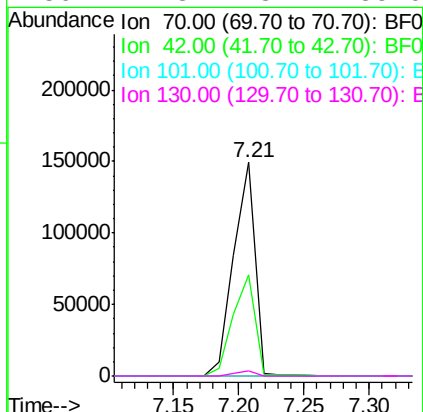
Ion Ratio Lower Upper

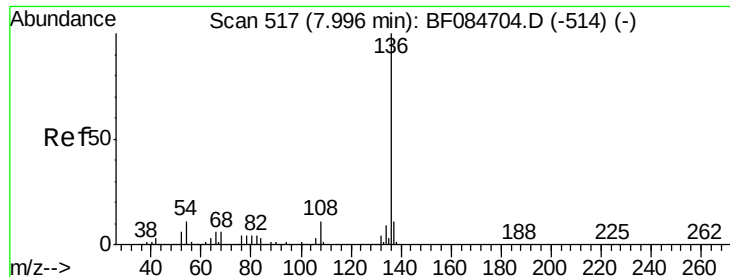
70 100

42 47.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

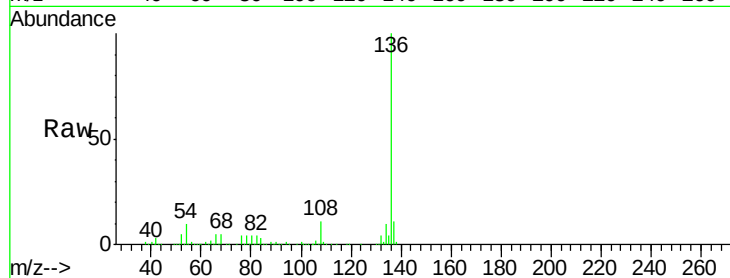
Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

Tgt Ion:	136	Resp:	622363
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.0	5.8	8.8#
68	5.3	4.2	6.2

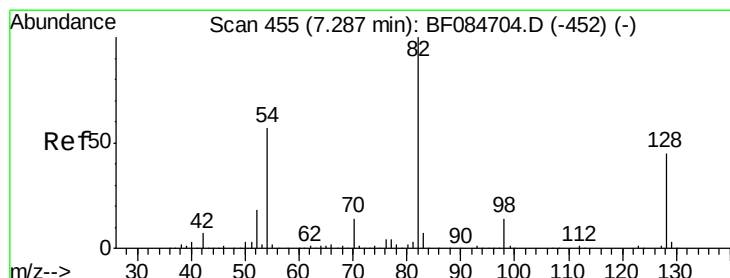
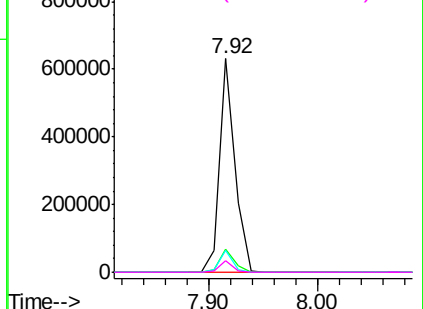
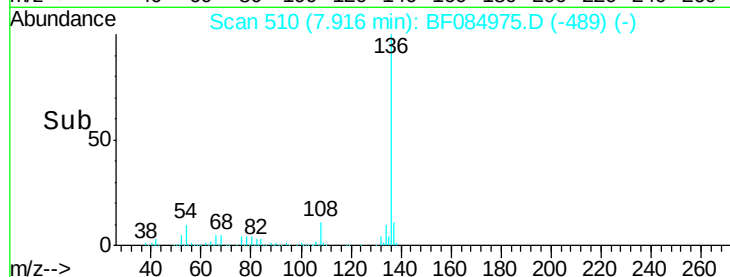


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.30 ng

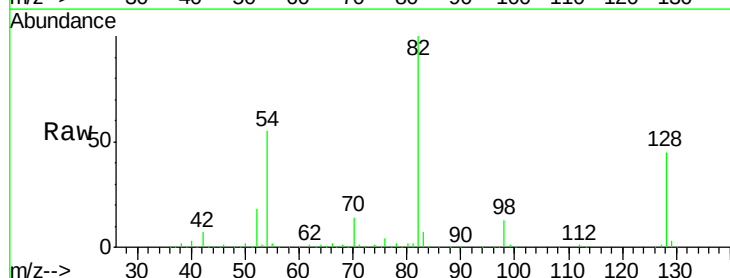
RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

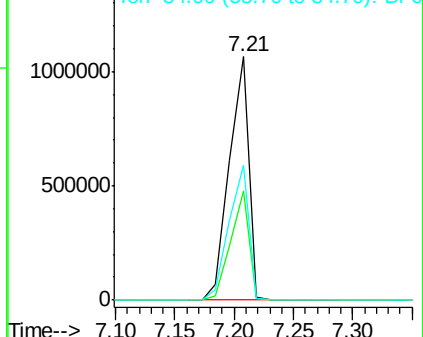
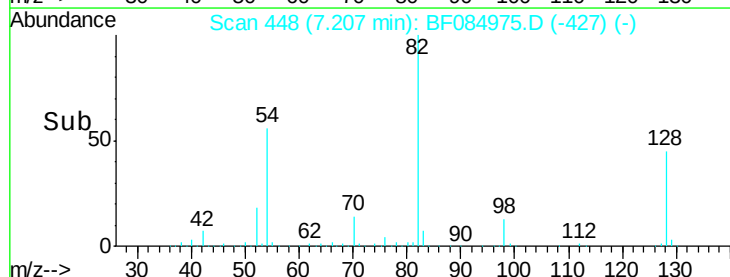
Tgt Ion:	82	Resp:	1207524
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.6	51.8
54	55.5	38.4	57.6

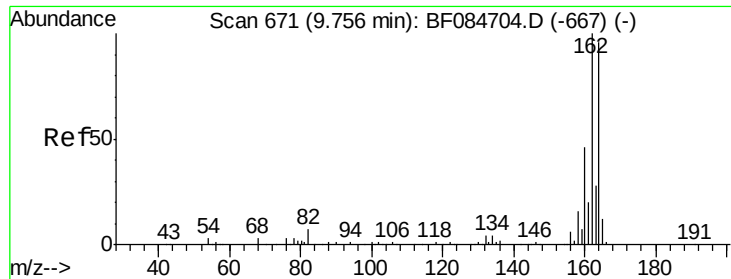


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.66 min Scan# 663

Delta R.T. -0.07 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

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ClientSampleId :

STOCKPILE-5W-(0-2)

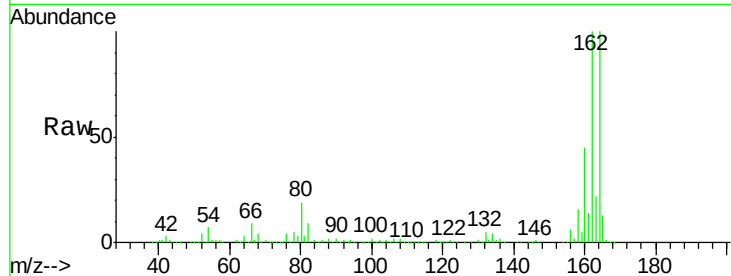
Tgt Ion:164 Resp: 305447

Ion Ratio Lower Upper

164 100

162 100.4 85.1 127.7

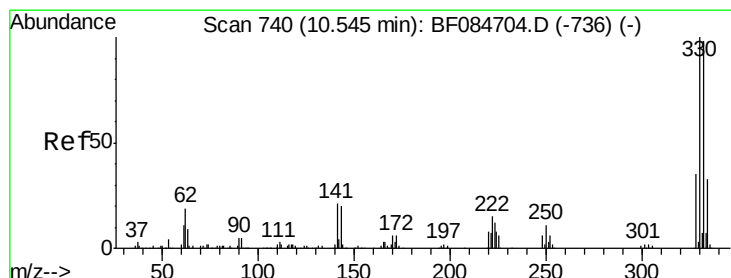
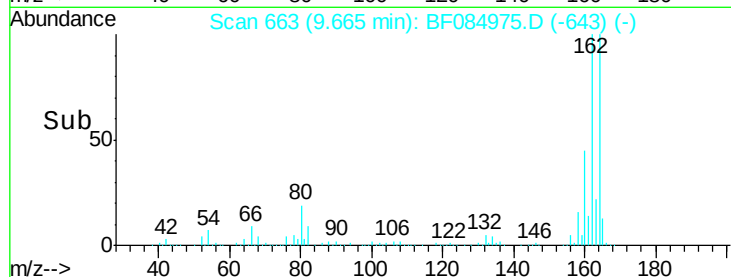
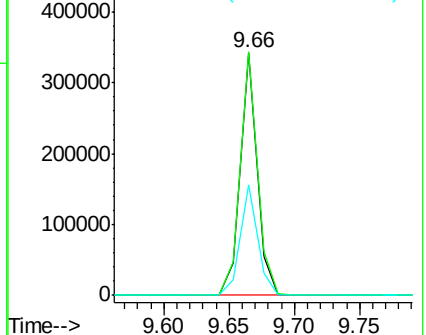
160 45.5 37.5 56.3



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: 3.94 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.07 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

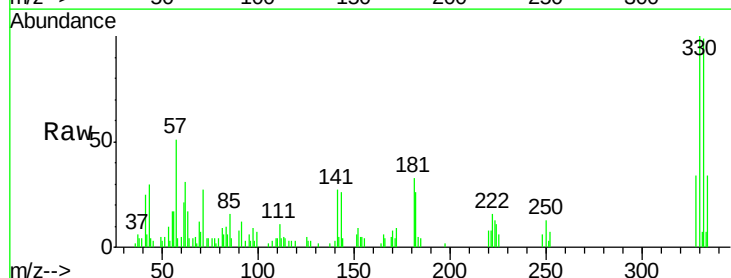
Tgt Ion:330 Resp: 12569

Ion Ratio Lower Upper

330 100

332 101.9 76.6 114.8

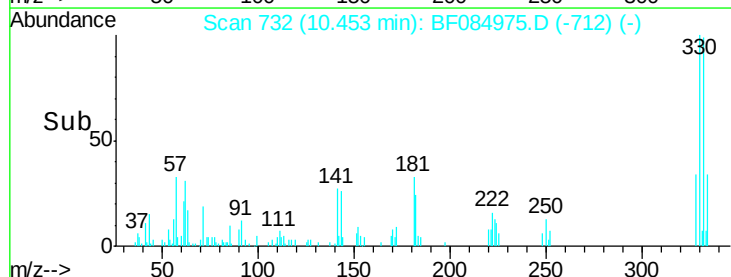
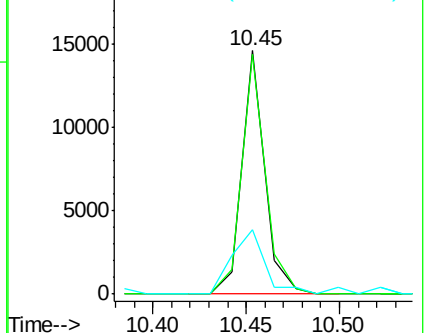
141 38.3 27.8 41.6

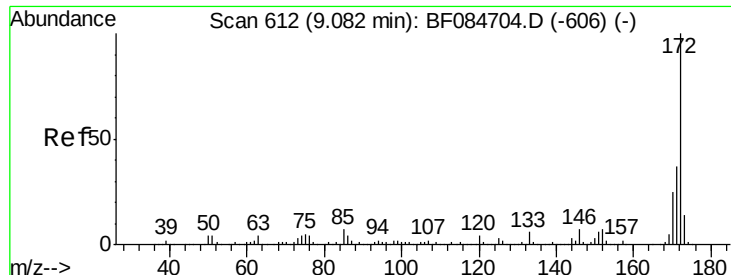


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

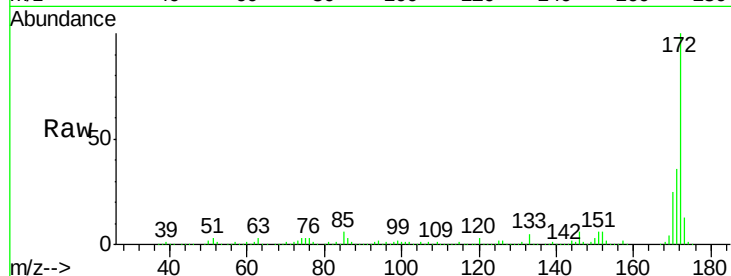




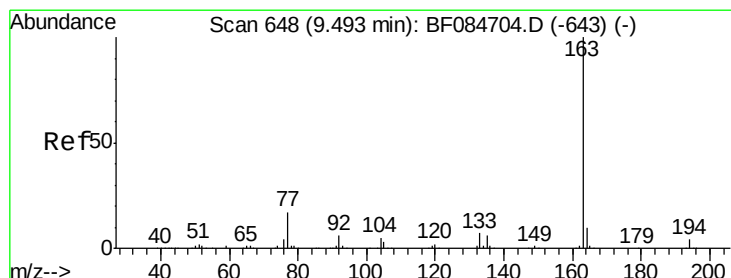
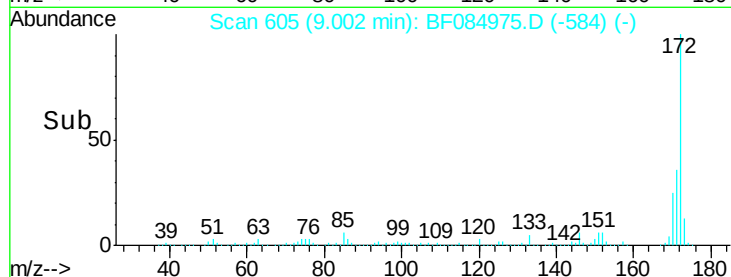
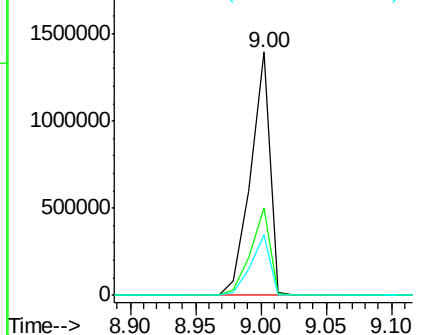
#44
 2-Fluorobiphenyl
 Concen: 76.92 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084975.D
 Acq: 10 Feb 2016 1:59

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-5W-(0-2)

Tgt Ion:172 Resp: 1440438
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 24.8 18.6 27.8

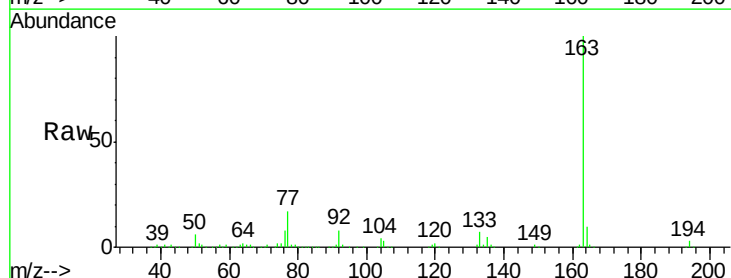


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

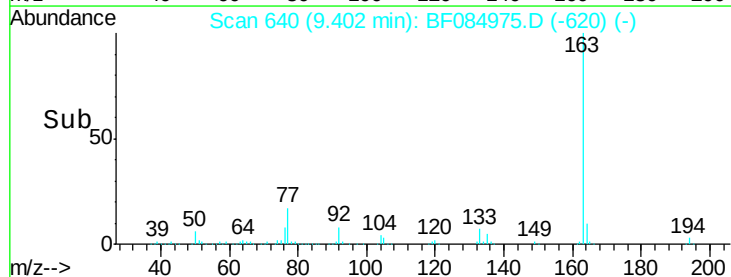
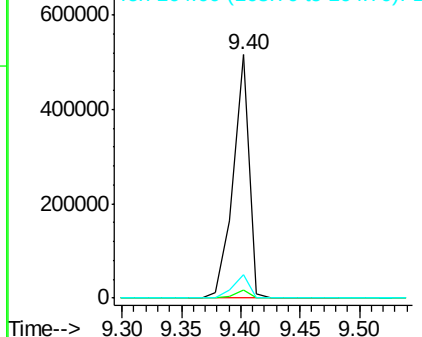


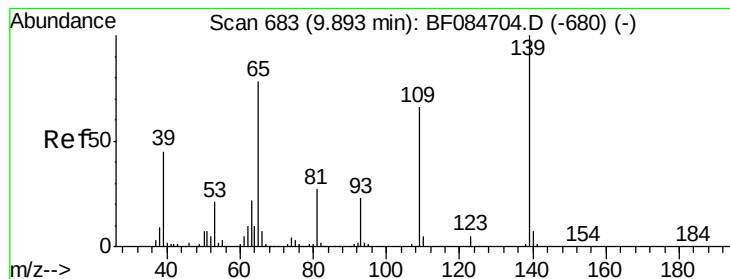
#49
 Dimethylphthalate
 Concen: 20.81 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.07 min
 Lab File: BF084975.D
 Acq: 10 Feb 2016 1:59

Tgt Ion:163 Resp: 484056
 Ion Ratio Lower Upper
 163 100
 194 3.4 8.0 12.0#
 164 9.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 2.62 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

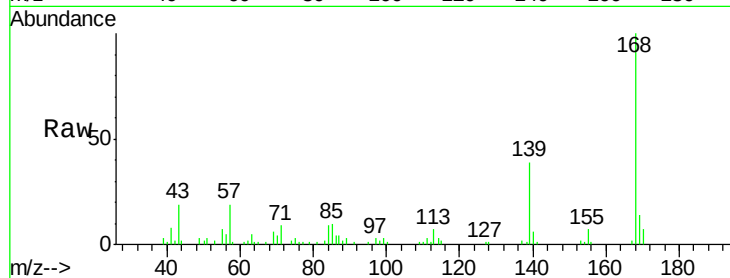
Tgt Ion:139 Resp: 11008

Ion Ratio Lower Upper

139 100

109 2.8 58.5 98.5#

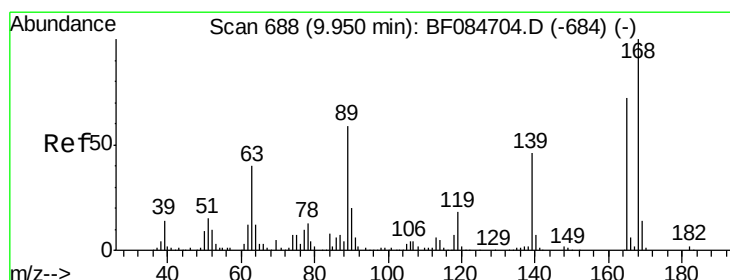
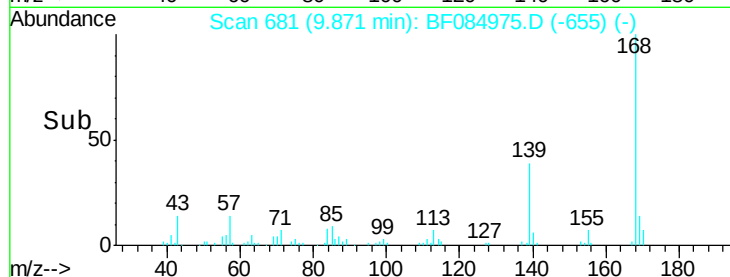
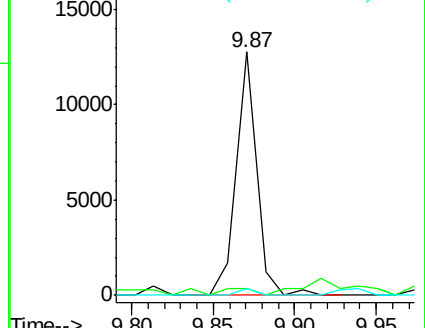
65 2.8 57.6 97.6#



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: 6.16 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Tgt Ion:165 Resp: 39936

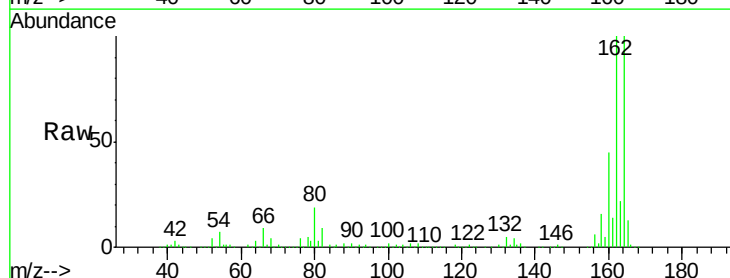
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 2.3 61.9 92.9#

182 0.0 2.0 3.0#

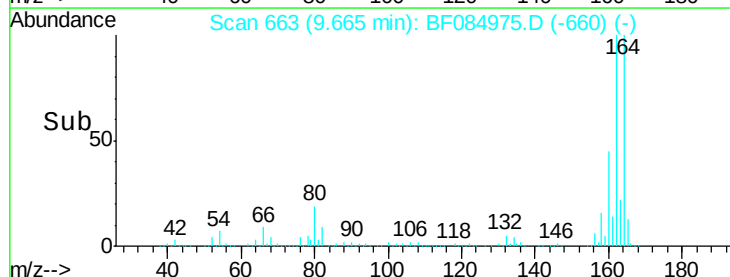
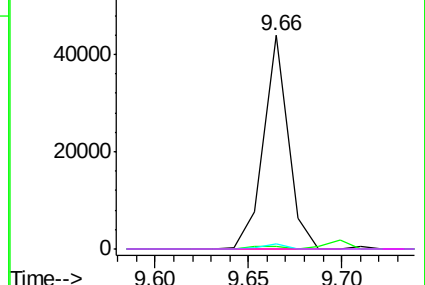


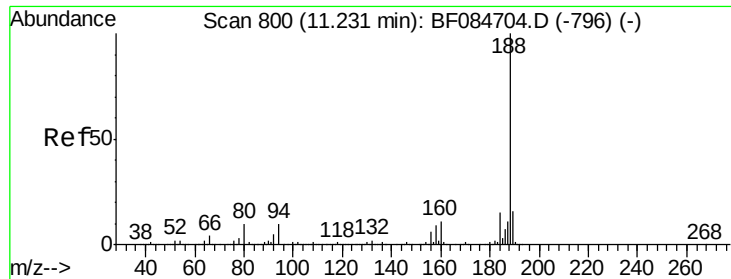
Abundance Ion 165.00 (164.70 to 165.70): E

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

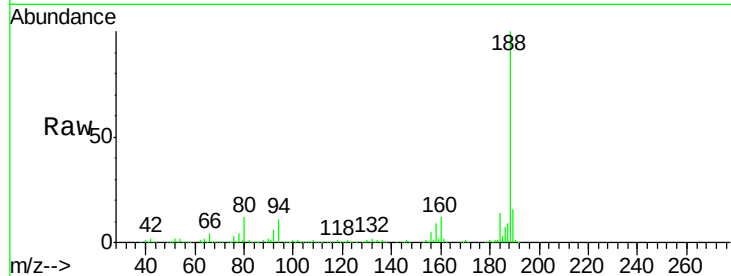




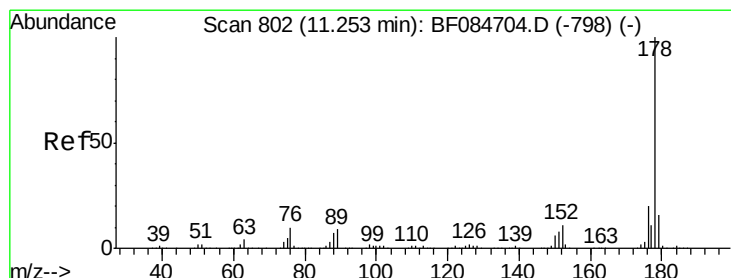
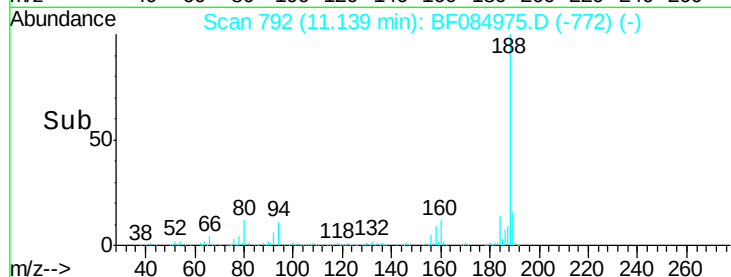
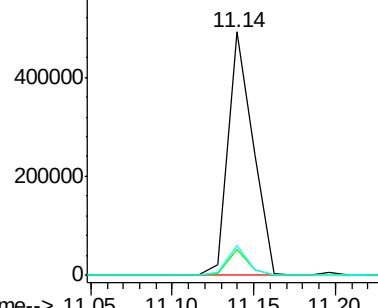
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 792
Delta R.T. -0.07 min
Lab File: BF084975.D
Acq: 10 Feb 2016 1:59

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-5W-(0-2)

Tgt Ion:188 Resp: 522456
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.4
80 12.4 9.6 14.4

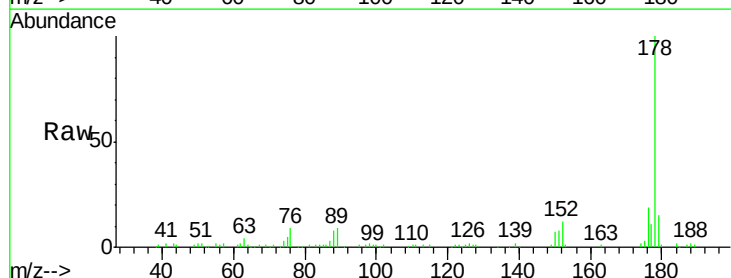


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

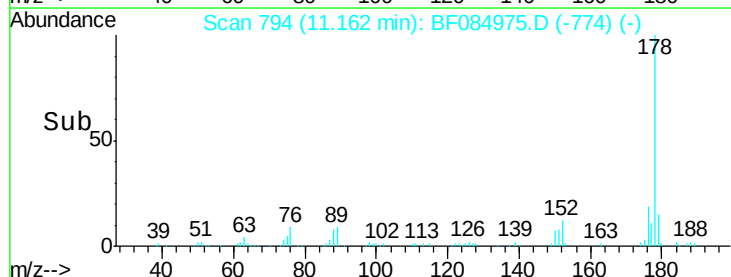
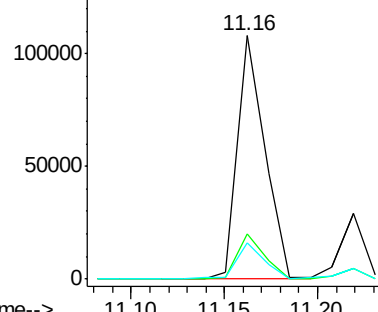


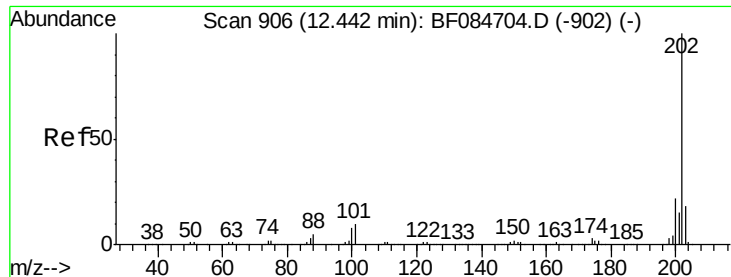
#70
Phenanthrene
Concen: 3.78 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF084975.D
Acq: 10 Feb 2016 1:59

Tgt Ion:178 Resp: 109464
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.2 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.08 ng

RT: 12.35 min Scan# 898

Delta R.T. -0.07 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

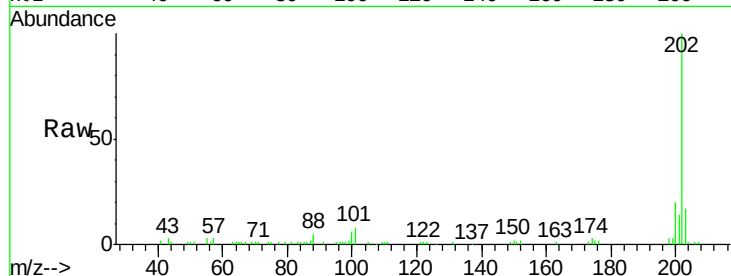
Tgt Ion:202 Resp: 61108

Ion Ratio Lower Upper

202 100

101 7.7 0.0 32.8

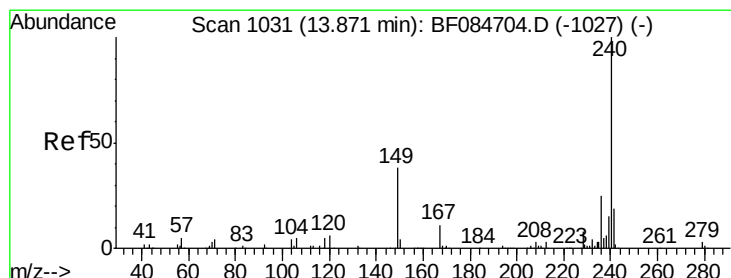
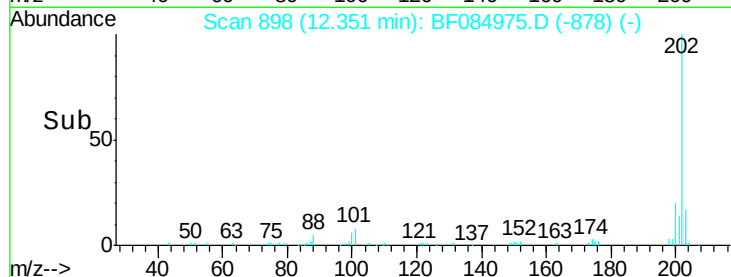
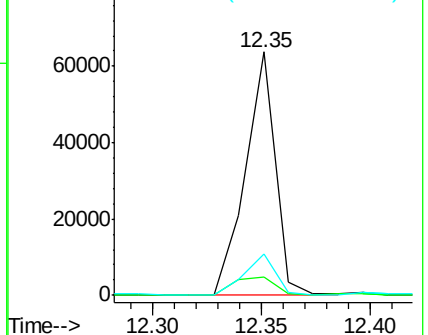
203 17.2 0.0 37.9



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: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

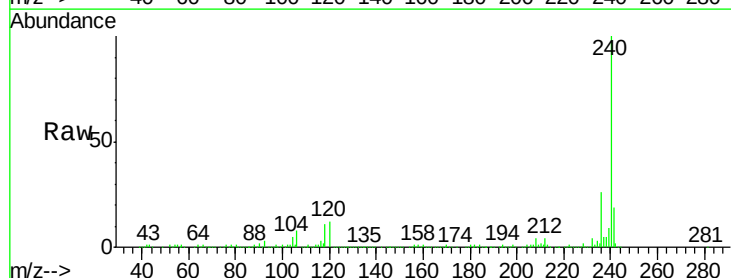
Tgt Ion:240 Resp: 374720

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

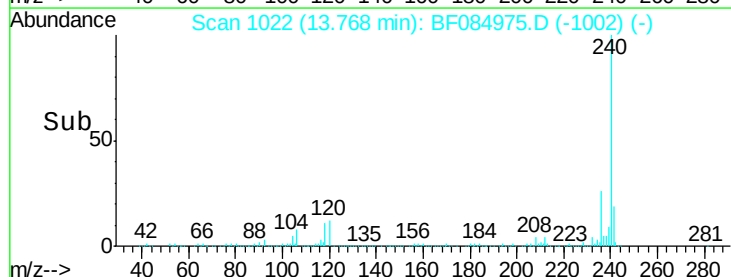
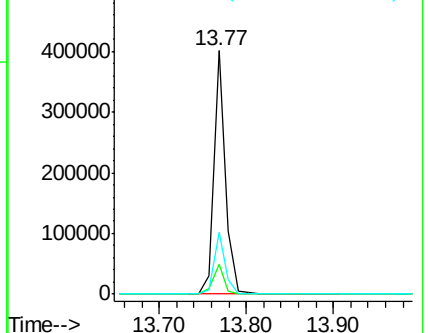
236 25.5 20.6 31.0

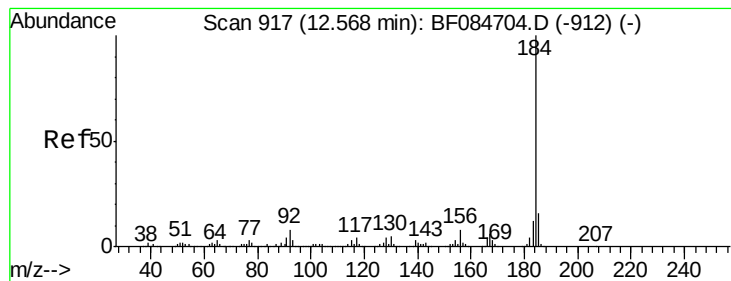


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.58 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

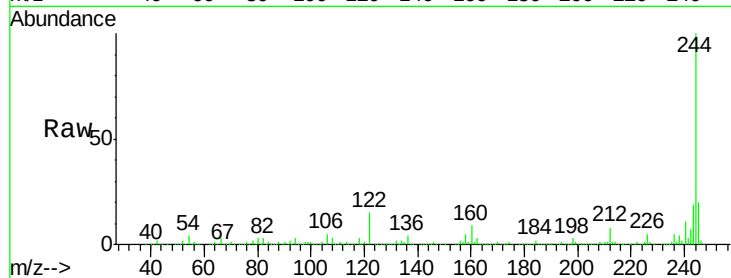
Tgt Ion:184 Resp: 13806

Ion Ratio Lower Upper

184 100

185 19.1 12.2 18.2#

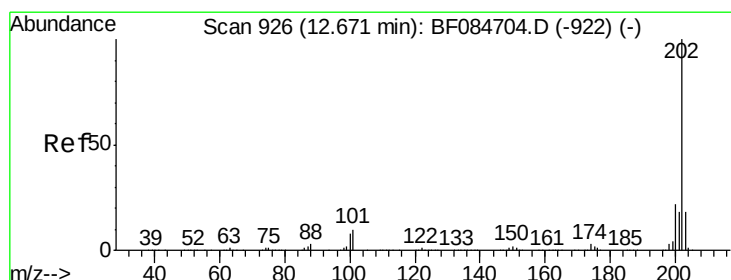
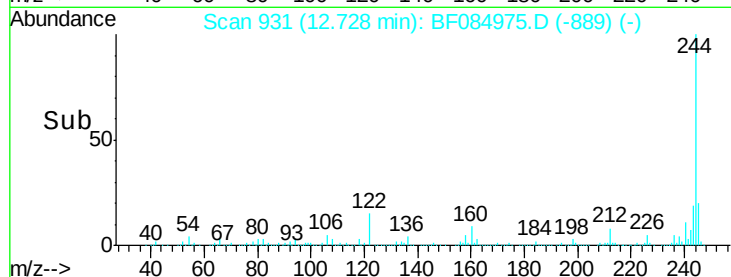
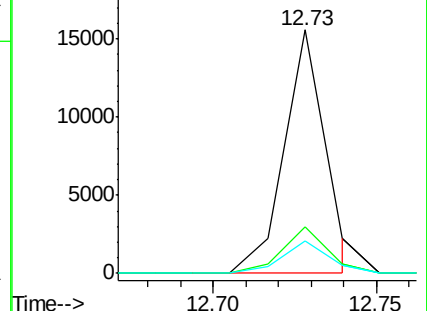
183 13.1 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 2.13 ng

RT: 12.35 min Scan# 898

Delta R.T. -0.29 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

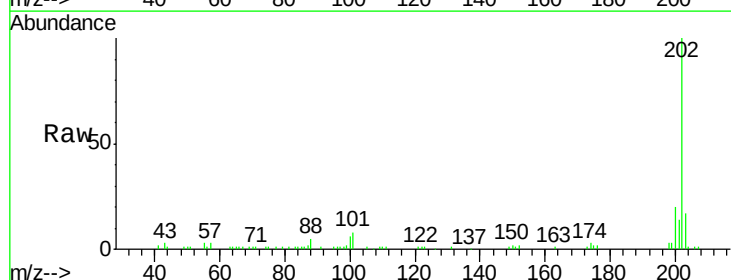
Tgt Ion:202 Resp: 61108

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

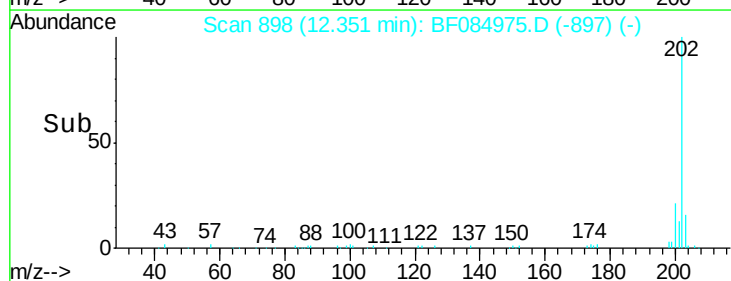
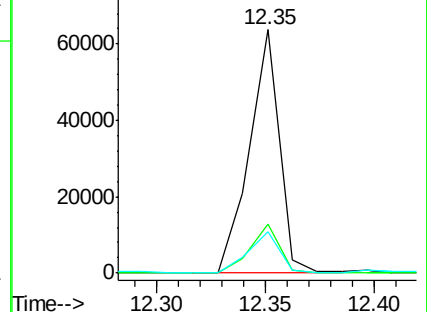
203 17.2 14.3 21.5

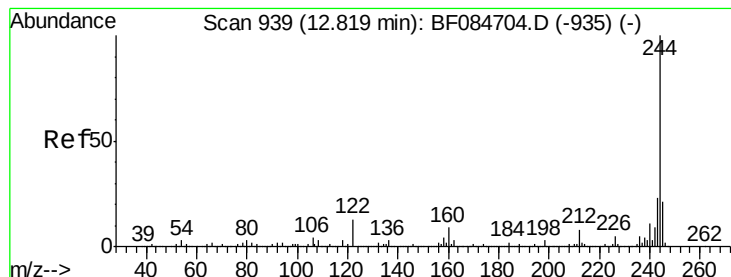


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.08 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.07 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-5W-(0-2)

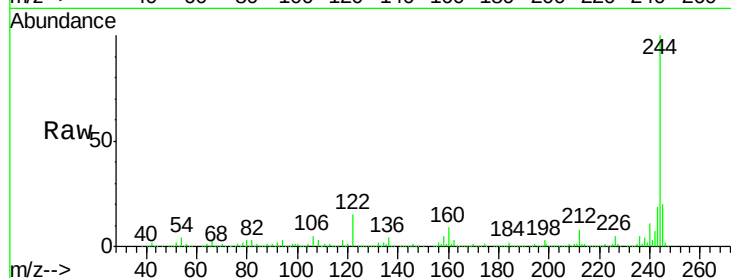
Tgt Ion:244 Resp: 993519

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

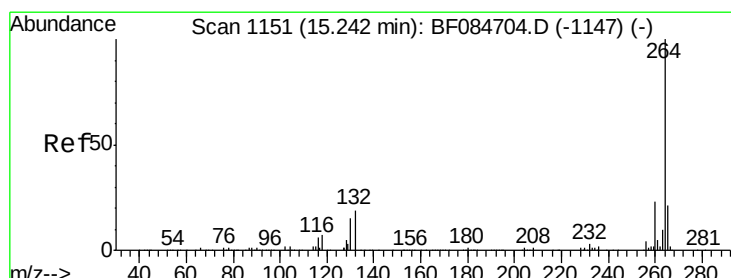
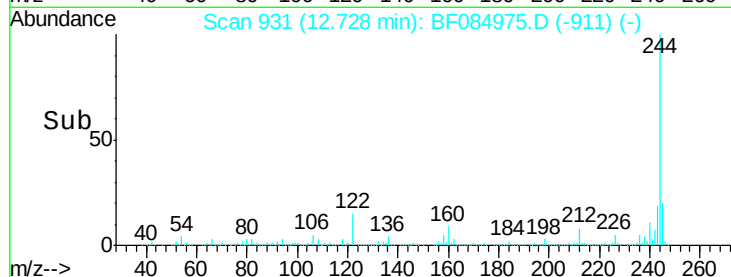
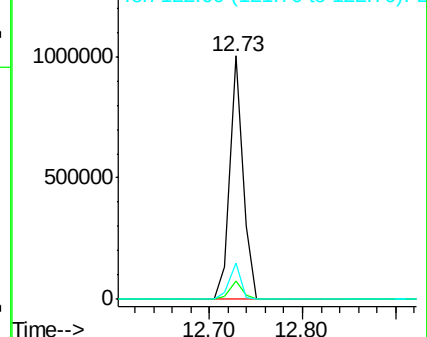
122 14.7 7.4 11.0#



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: 15.13 min Scan# 1141

Delta R.T. -0.08 min

Lab File: BF084975.D

Acq: 10 Feb 2016 1:59

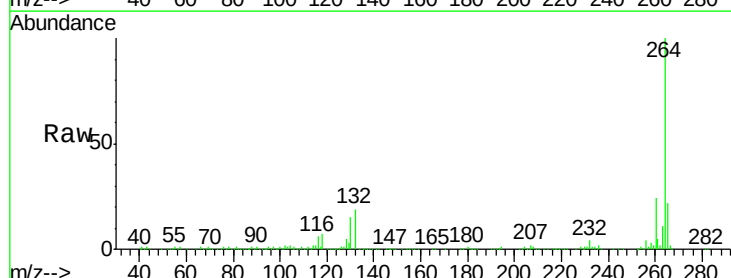
Tgt Ion:264 Resp: 296460

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.2 17.8 26.6



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

