

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084955.D
 Acq On : 9 Feb 2016 16:42
 Operator : SJ/IZ
 Sample : H1386-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(1-3)

Quant Time: Feb 10 03:23:51 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

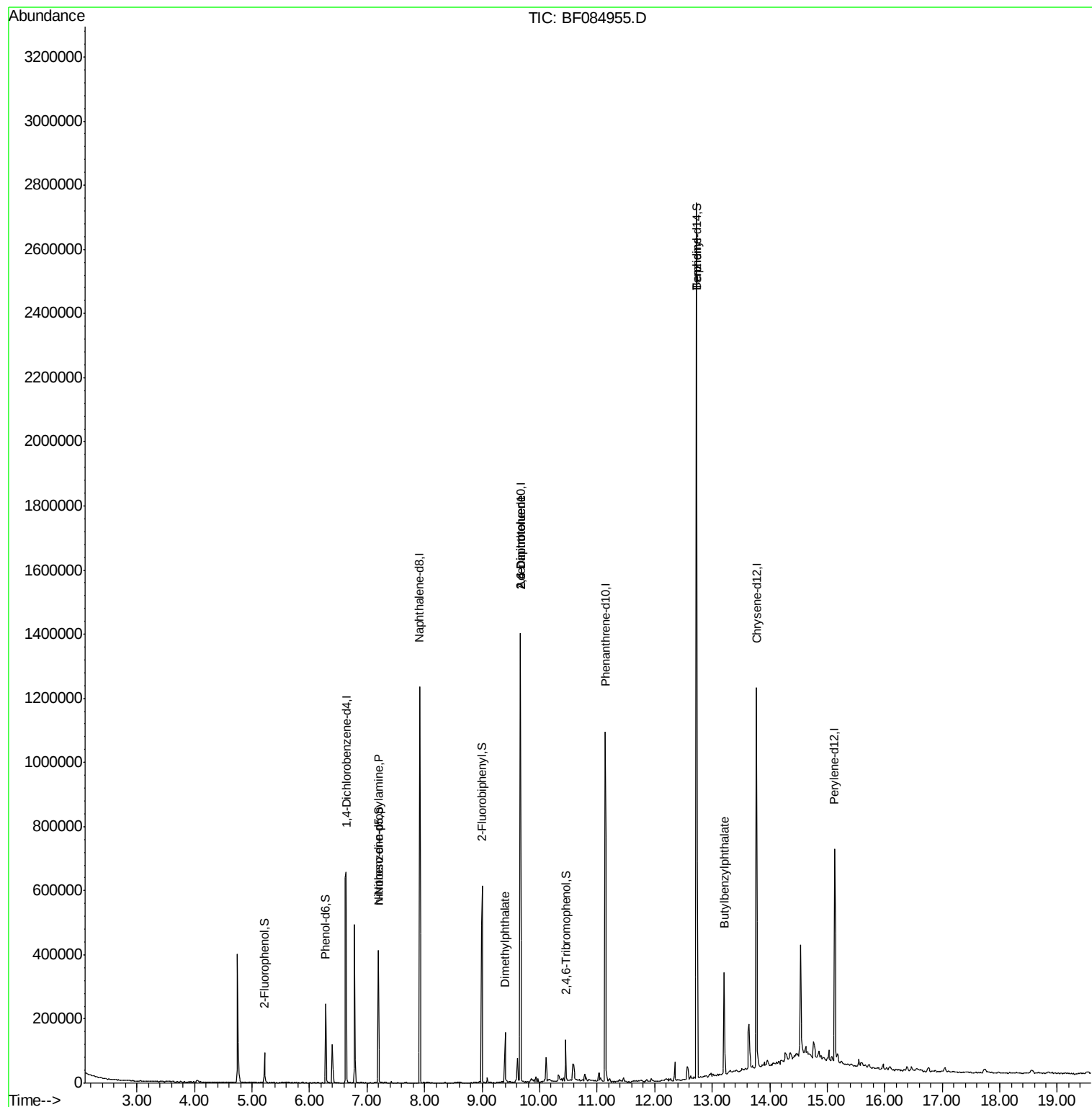
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	147643	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	614794	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	289979	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	524523	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	428477	20.00	ng	-0.07
86) Perylene-d12	15.13	264	305967	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	29917	3.16	ng	-0.06
7) Phenol-d6	6.28	99	79096	6.73	ng	-0.06
23) Nitrobenzene-d5	7.20	82	125189	11.47	ng	-0.07
41) 2,4,6-Tribromophenol	10.45	330	17327	5.73	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	274221	11.52	ng	-0.06
78) Terphenyl-d14	12.73	244	848795	44.89	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	15781	2.14	ng	# 66
49) Dimethylphthalate	9.40	163	75323	3.41	ng	# 90
50) 2,6-Dinitrotoluene	9.66	165	36045	7.47	ng	# 38
56) 2,4-Dinitrotoluene	9.66	165	36045	5.86	ng	# 21
76) Benzidine	12.73	184	11751	7.41	ng	# 95
79) Butylbenzylphthalate	13.21	149	69796	4.69	ng	94

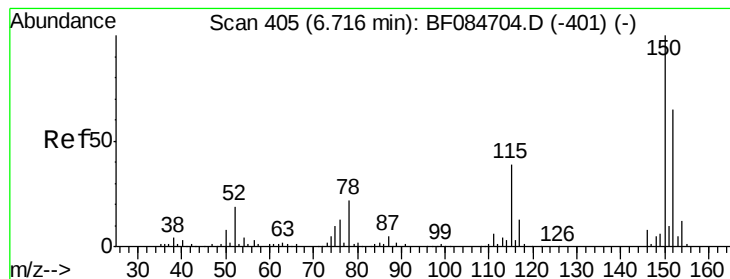
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

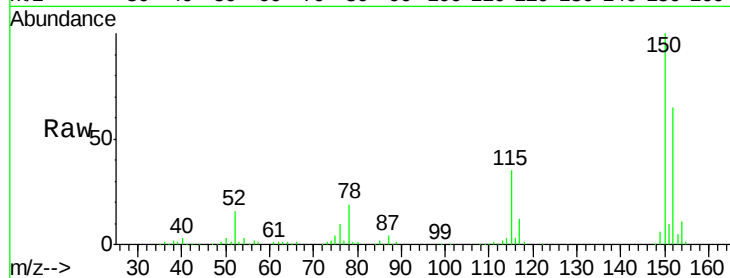
Tgt Ion:152 Resp: 147643

Ion Ratio Lower Upper

152 100

150 154.9 123.0 184.4

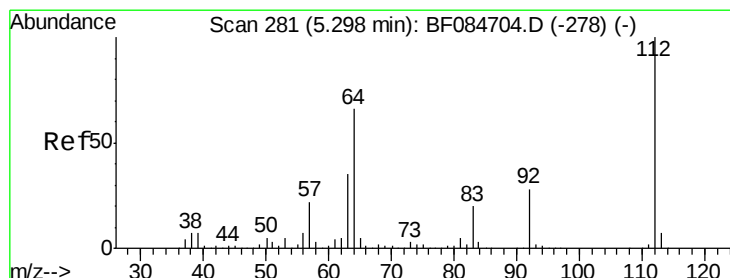
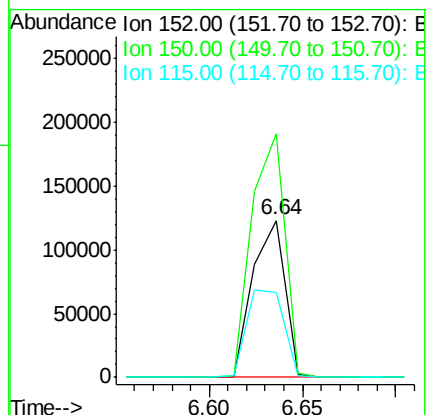
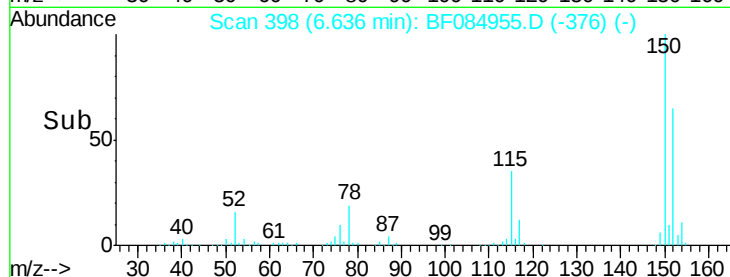
115 54.0 51.4 77.2



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: 3.16 ng

RT: 5.22 min Scan# 274

Delta R.T. -0.06 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

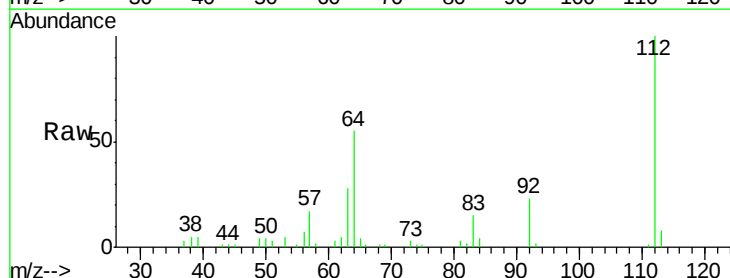
Tgt Ion:112 Resp: 29917

Ion Ratio Lower Upper

112 100

64 55.0 36.6 55.0#

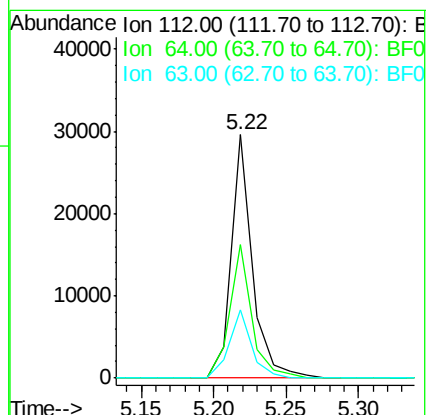
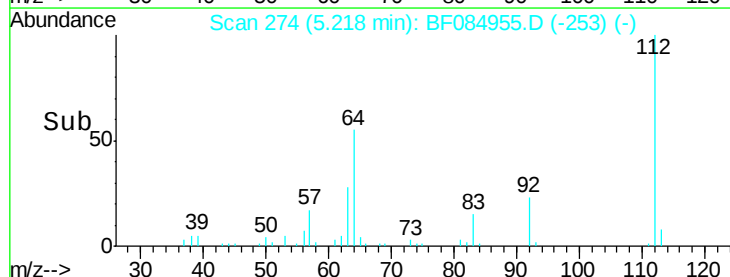
63 28.2 19.4 29.0

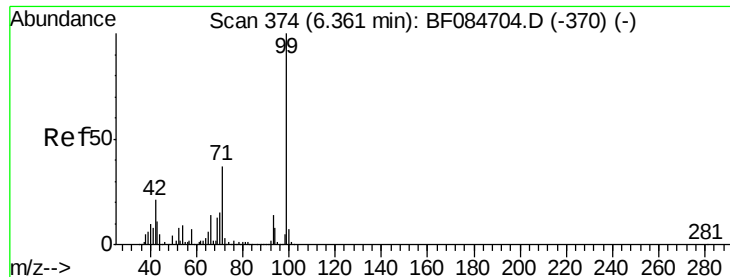


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.73 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

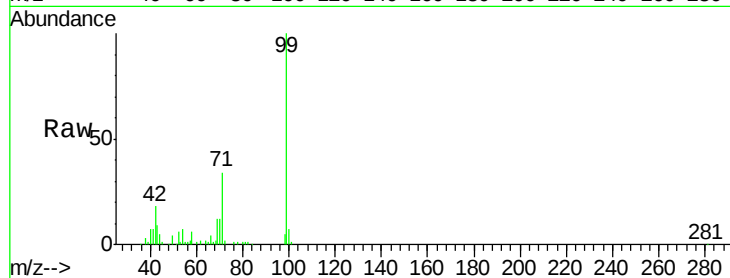
Tgt Ion: 99 Resp: 79096

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

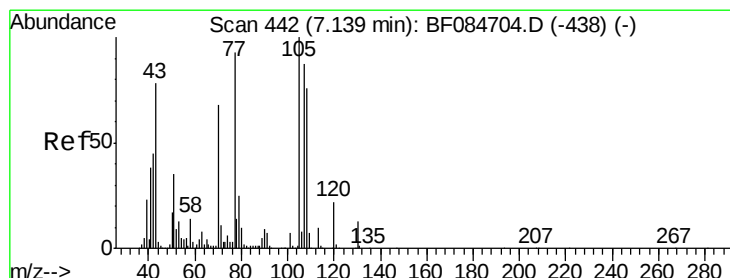
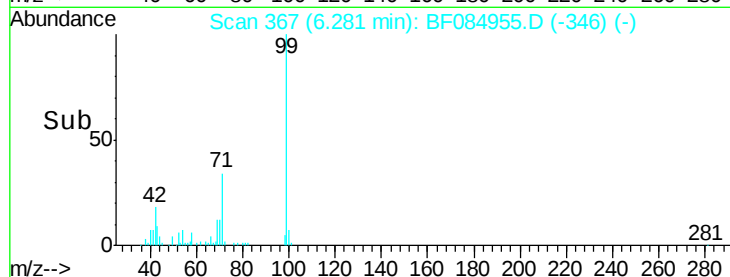
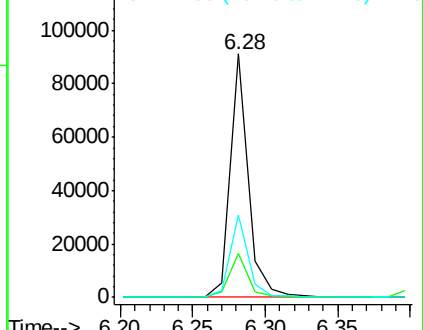
71 34.0 30.9 46.3



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: 2.14 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.08 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Tgt Ion: 70 Resp: 15781

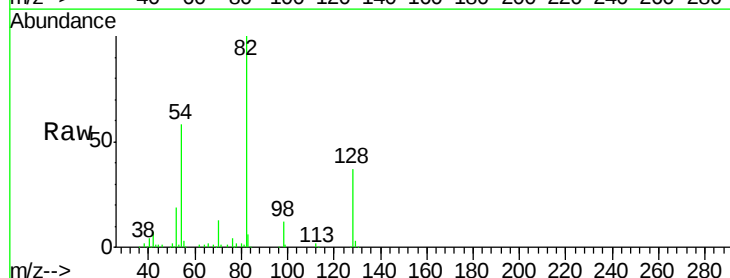
Ion Ratio Lower Upper

70 100

42 56.4 33.3 49.9#

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

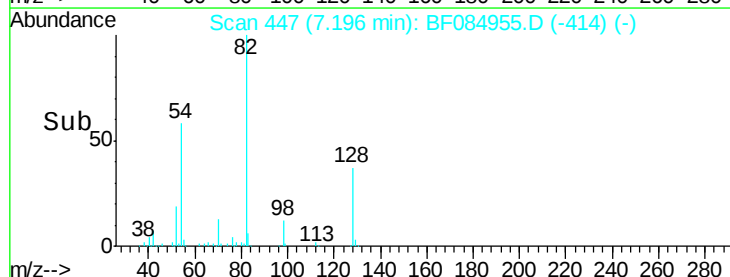
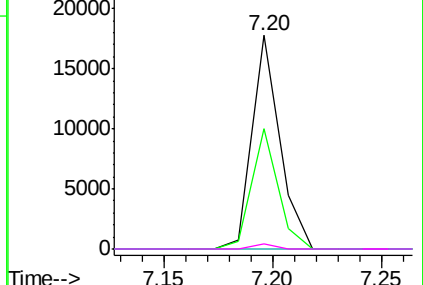


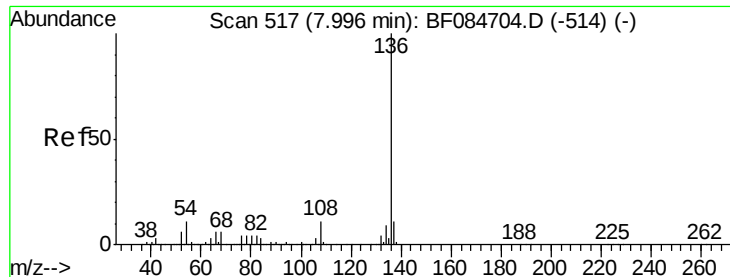
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

Tgt Ion: 136 Resp: 614794

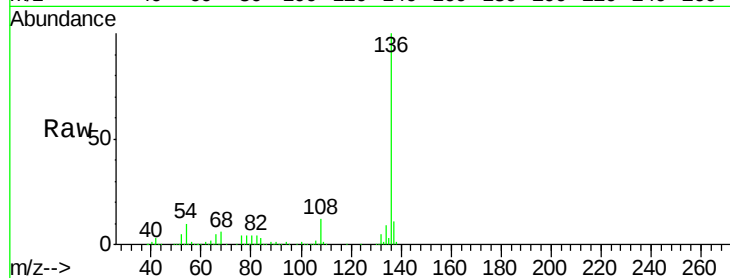
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.5 5.8 8.8#

68 5.5 4.2 6.2

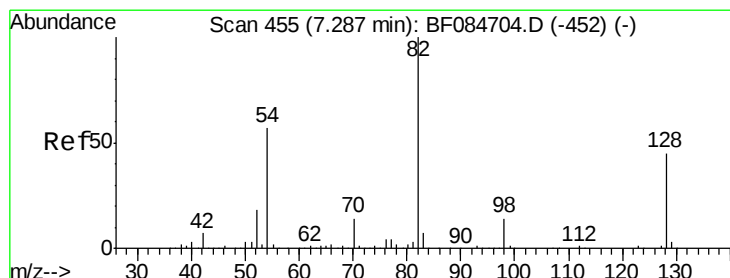
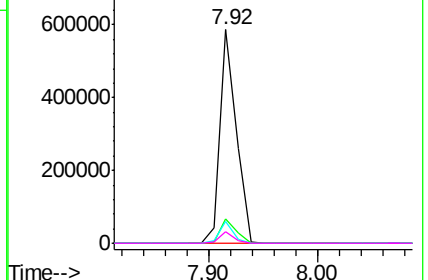
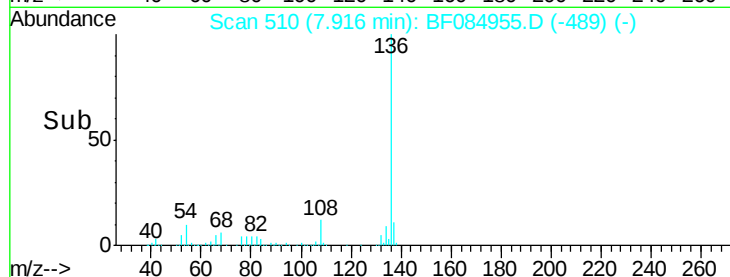


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.47 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.07 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

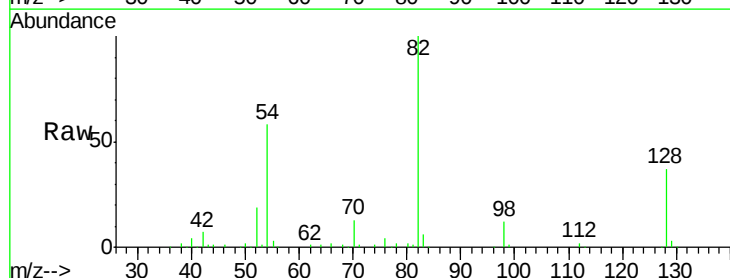
Tgt Ion: 82 Resp: 125189

Ion Ratio Lower Upper

82 100

128 37.4 34.6 51.8

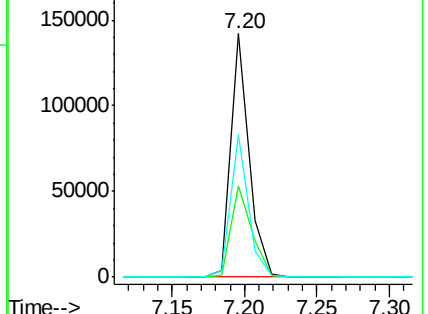
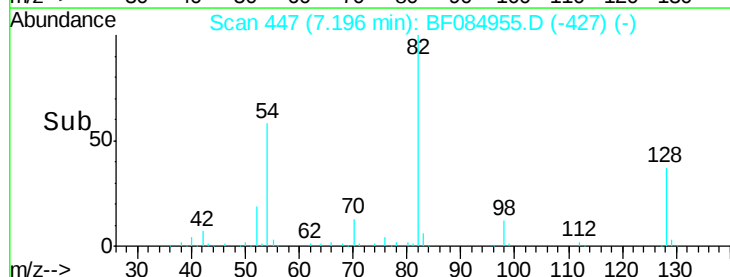
54 58.3 38.4 57.6#

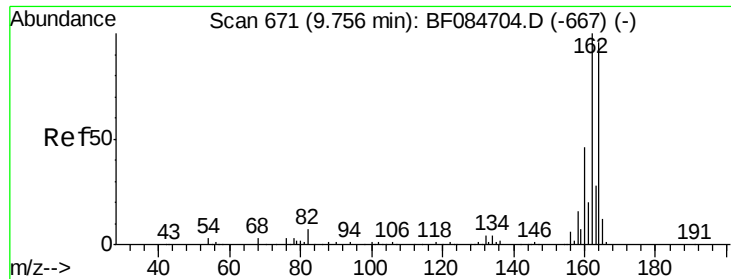


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

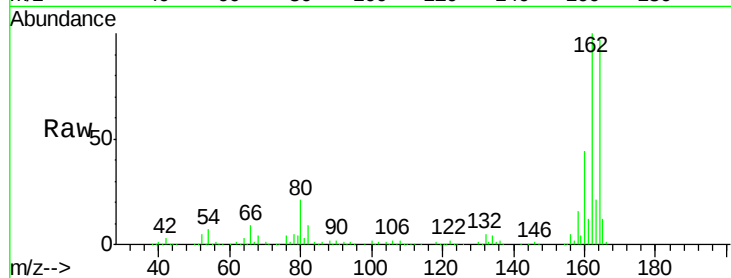
Tgt Ion:164 Resp: 289979

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

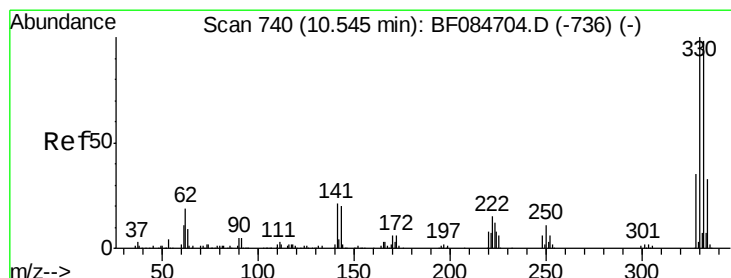
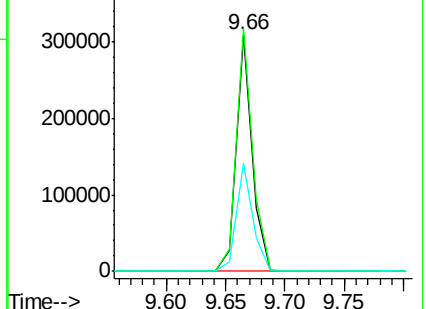
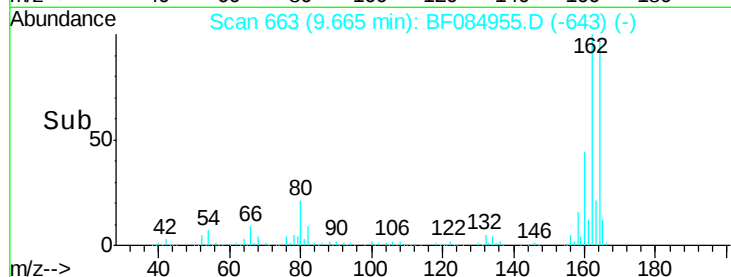
160 45.6 37.5 56.3



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: 5.73 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.07 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

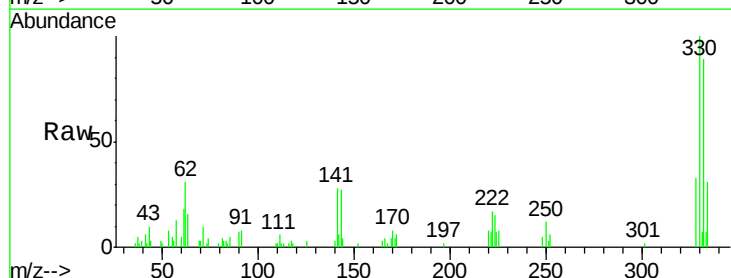
Tgt Ion:330 Resp: 17327

Ion Ratio Lower Upper

330 100

332 90.1 76.6 114.8

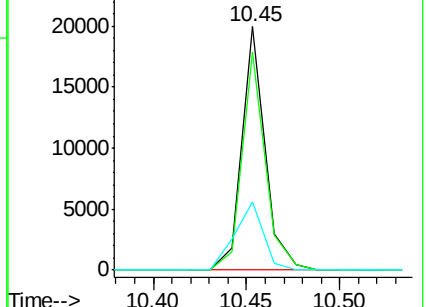
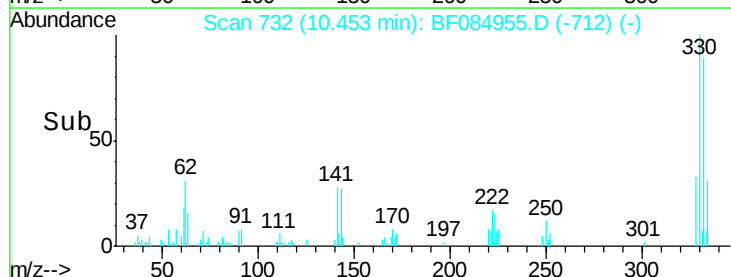
141 34.7 27.8 41.6

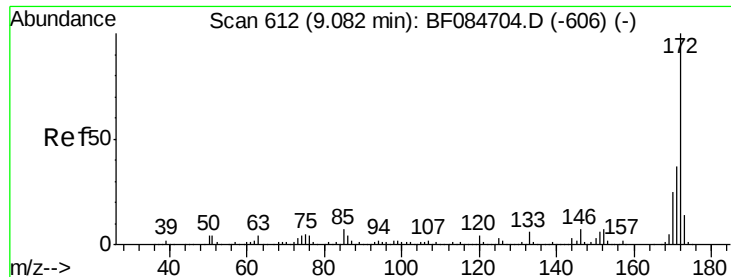


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

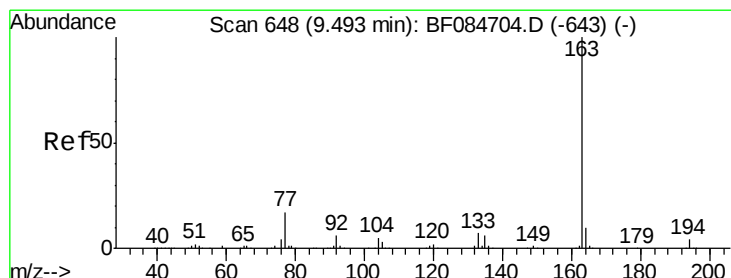
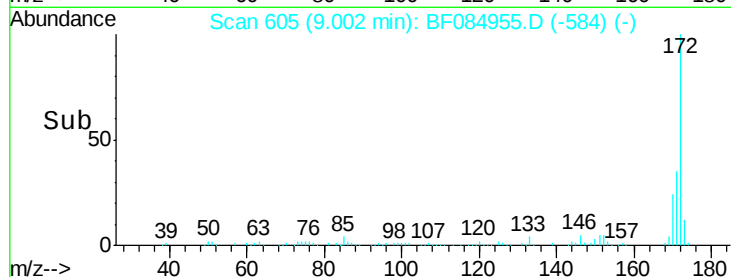
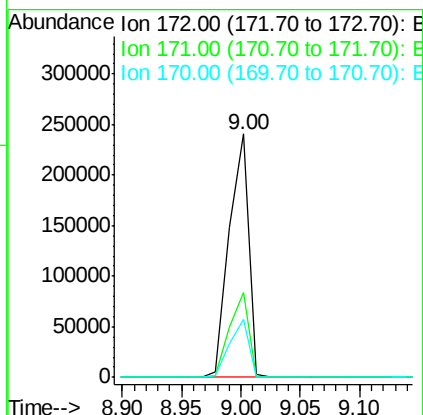
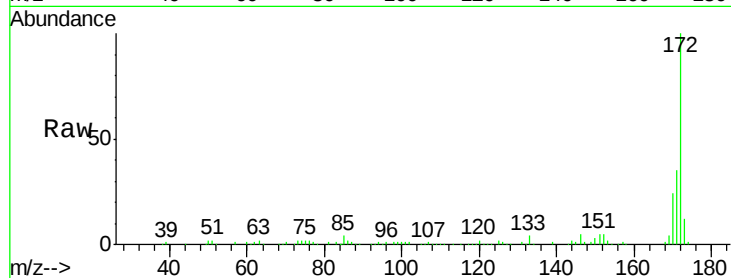




#44
 2-Fluorobiphenyl
 Concen: 11.52 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084955.D
 Acq: 9 Feb 2016 16:42

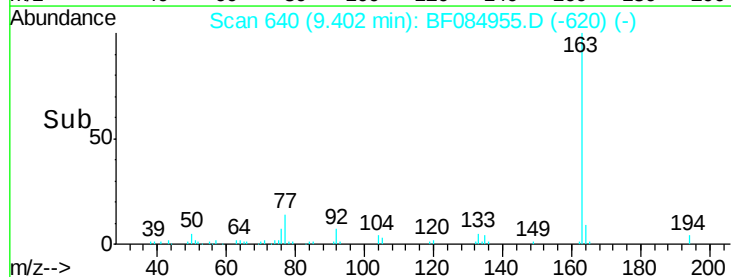
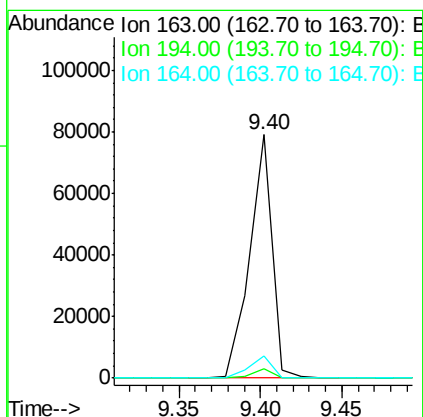
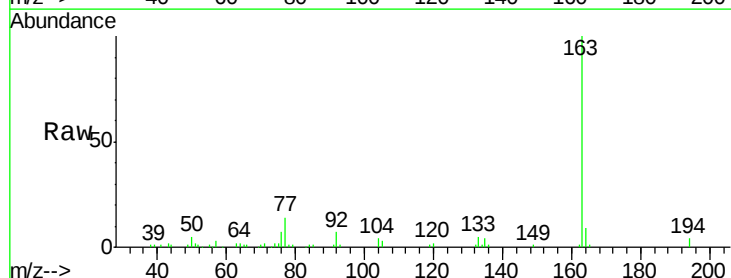
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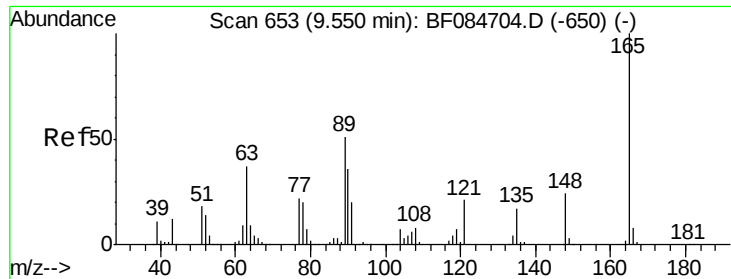
Tgt Ion:172 Resp: 274221
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 23.6 18.6 27.8



#49
 Dimethylphthalate
 Concen: 3.41 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.07 min
 Lab File: BF084955.D
 Acq: 9 Feb 2016 16:42

Tgt Ion:163 Resp: 75323
 Ion Ratio Lower Upper
 163 100
 194 3.7 8.0 12.0#
 164 9.0 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 7.47 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.14 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

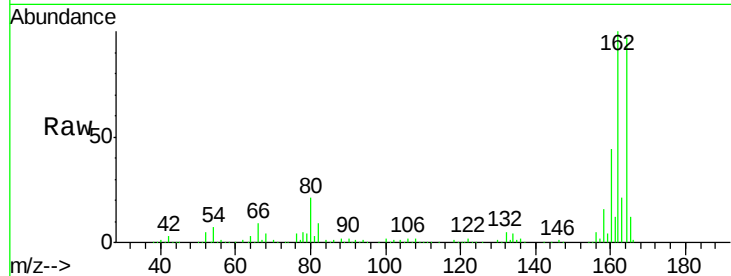
Tgt Ion:165 Resp: 36045

Ion Ratio Lower Upper

165 100

63 1.2 28.8 43.2#

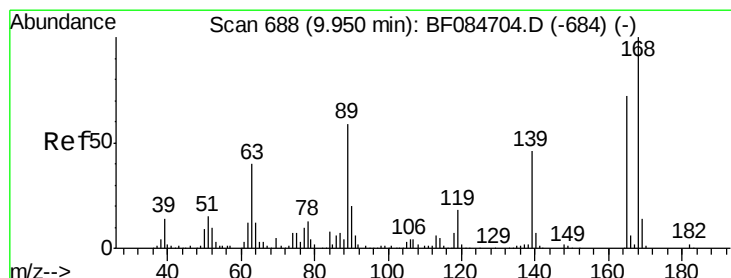
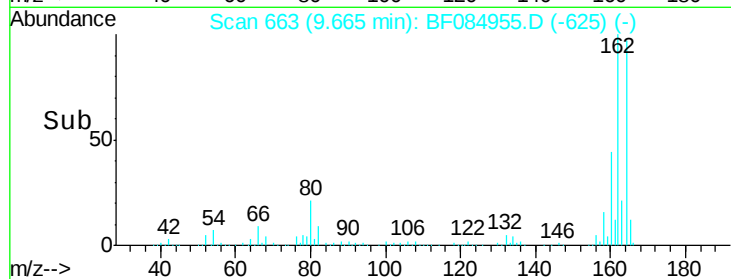
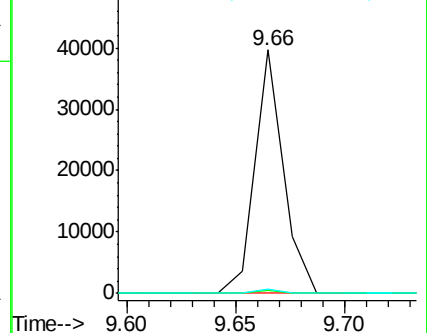
89 1.8 35.1 52.7#



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: 5.86 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Tgt Ion:165 Resp: 36045

Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.8 61.9 92.9#

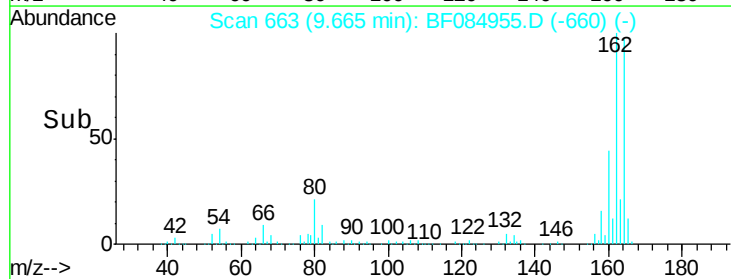
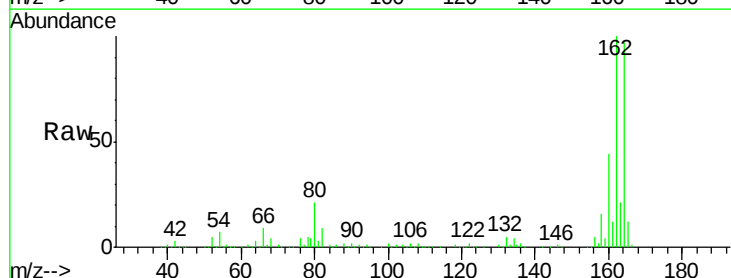
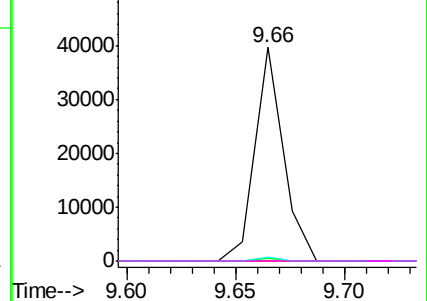
182 0.0 2.0 3.0#

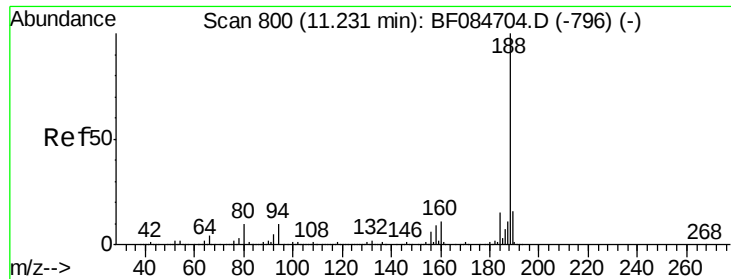
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

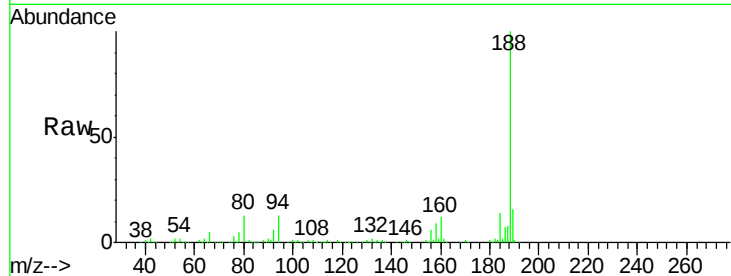
Tgt Ion:188 Resp: 524523

Ion Ratio Lower Upper

188 100

94 12.6 9.0 13.4

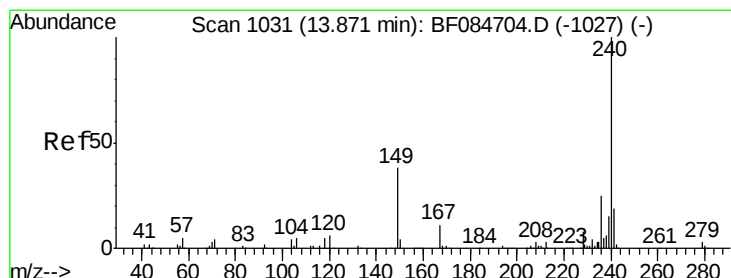
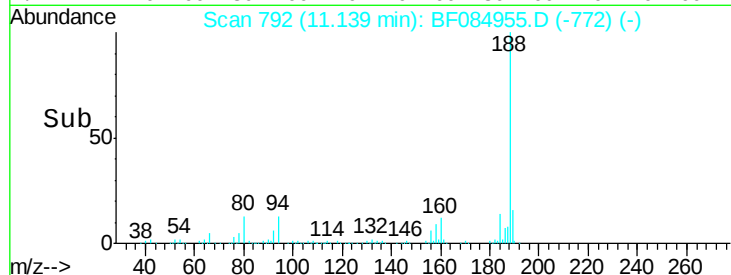
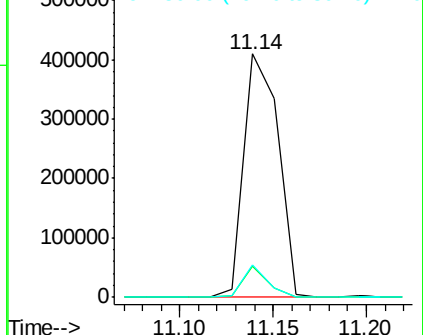
80 13.2 9.6 14.4



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

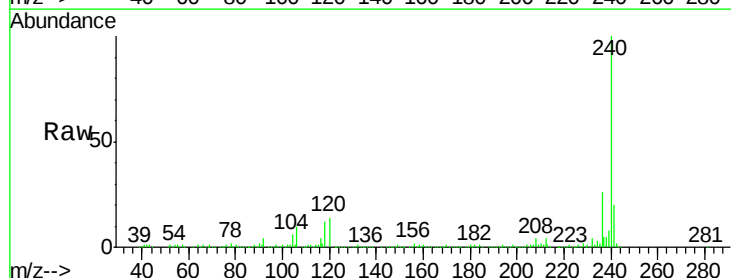
Tgt Ion:240 Resp: 428477

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

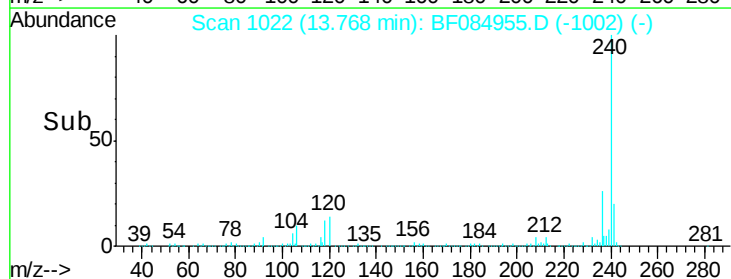
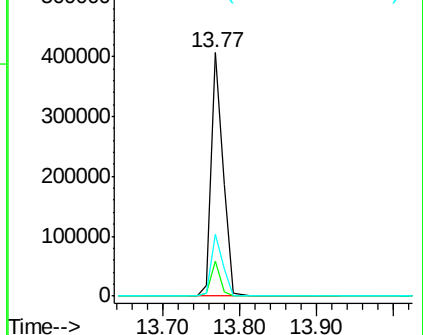
236 25.5 20.6 31.0

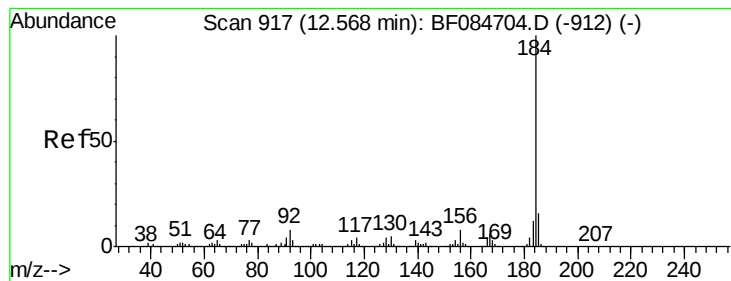


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.41 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

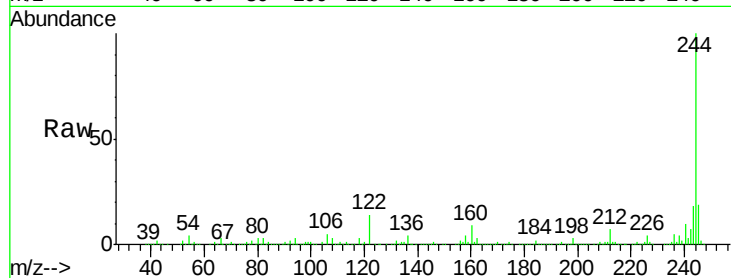
Tgt Ion:184 Resp: 11751

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

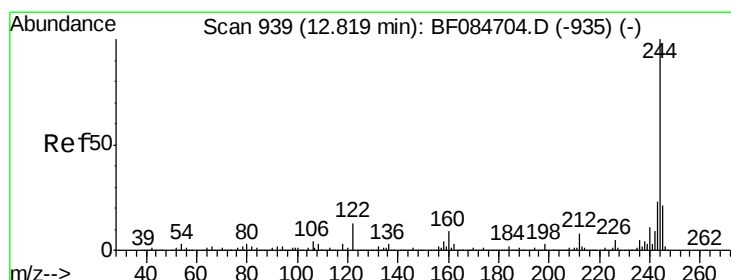
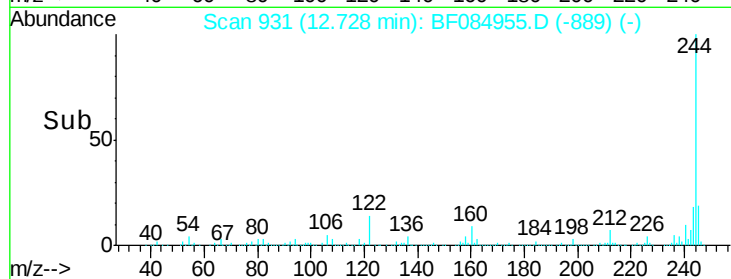
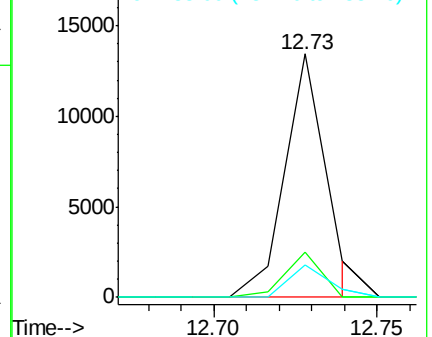
183 13.3 9.8 14.8



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



#78

Terphenyl-d14

Concen: 44.89 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.07 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

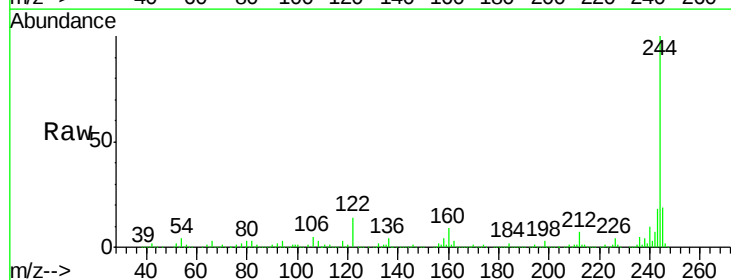
Tgt Ion:244 Resp: 848795

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

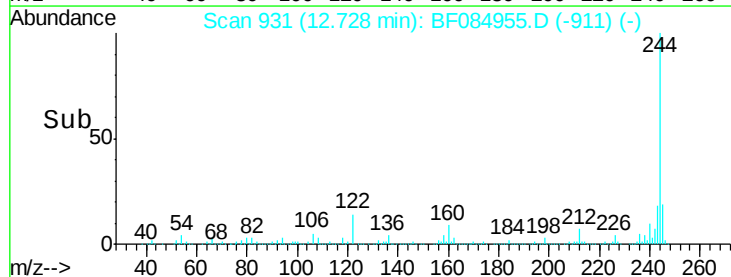
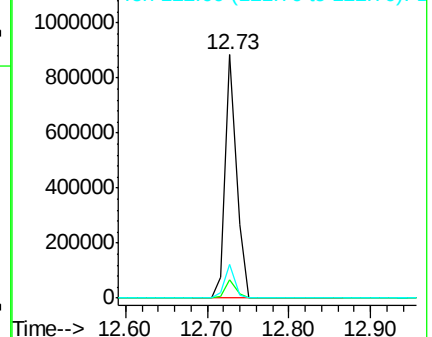
122 13.7 7.4 11.0#

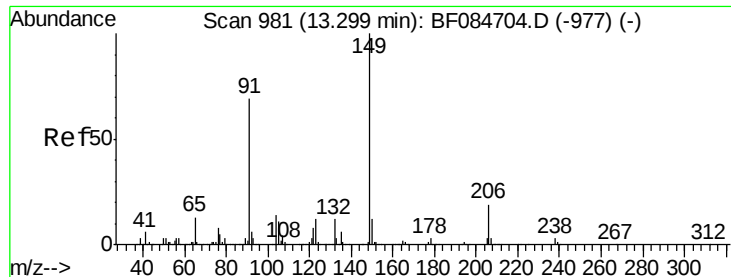


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 4.69 ng

RT: 13.21 min Scan# 973

Delta R.T. -0.07 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

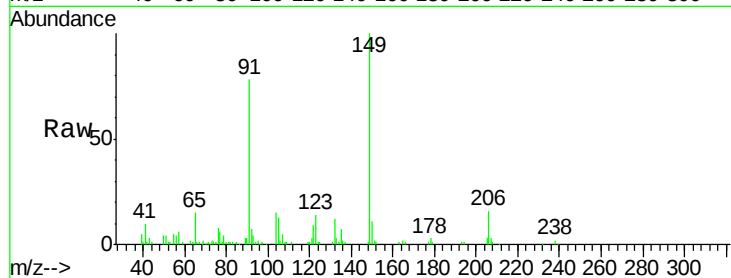
Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)

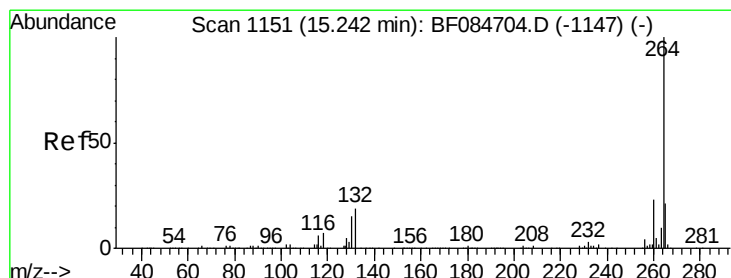
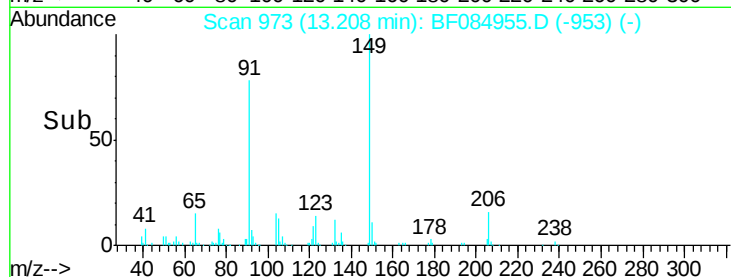
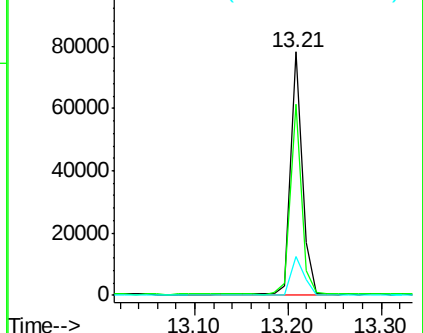
Tgt Ion:	149	Resp:	69796
Ion	Ratio	Lower	Upper
149	100		
91	78.3	57.6	86.4
206	15.9	13.2	19.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#86

Perylene-d12

Concen: 20.00 ng

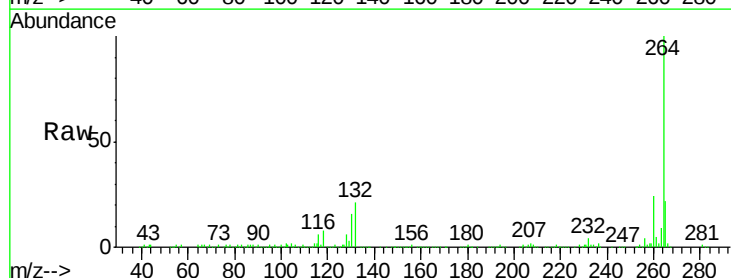
RT: 15.13 min Scan# 1141

Delta R.T. -0.08 min

Lab File: BF084955.D

Acq: 9 Feb 2016 16:42

Tgt Ion:	264	Resp:	305967
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.9	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

