

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084385.D
 Acq On : 11 Jan 2016 17:49
 Operator : SJ/UM
 Sample : H1058-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONTAMINATED-DRUM(1-2)COMP

Quant Time: Jan 12 02:12:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

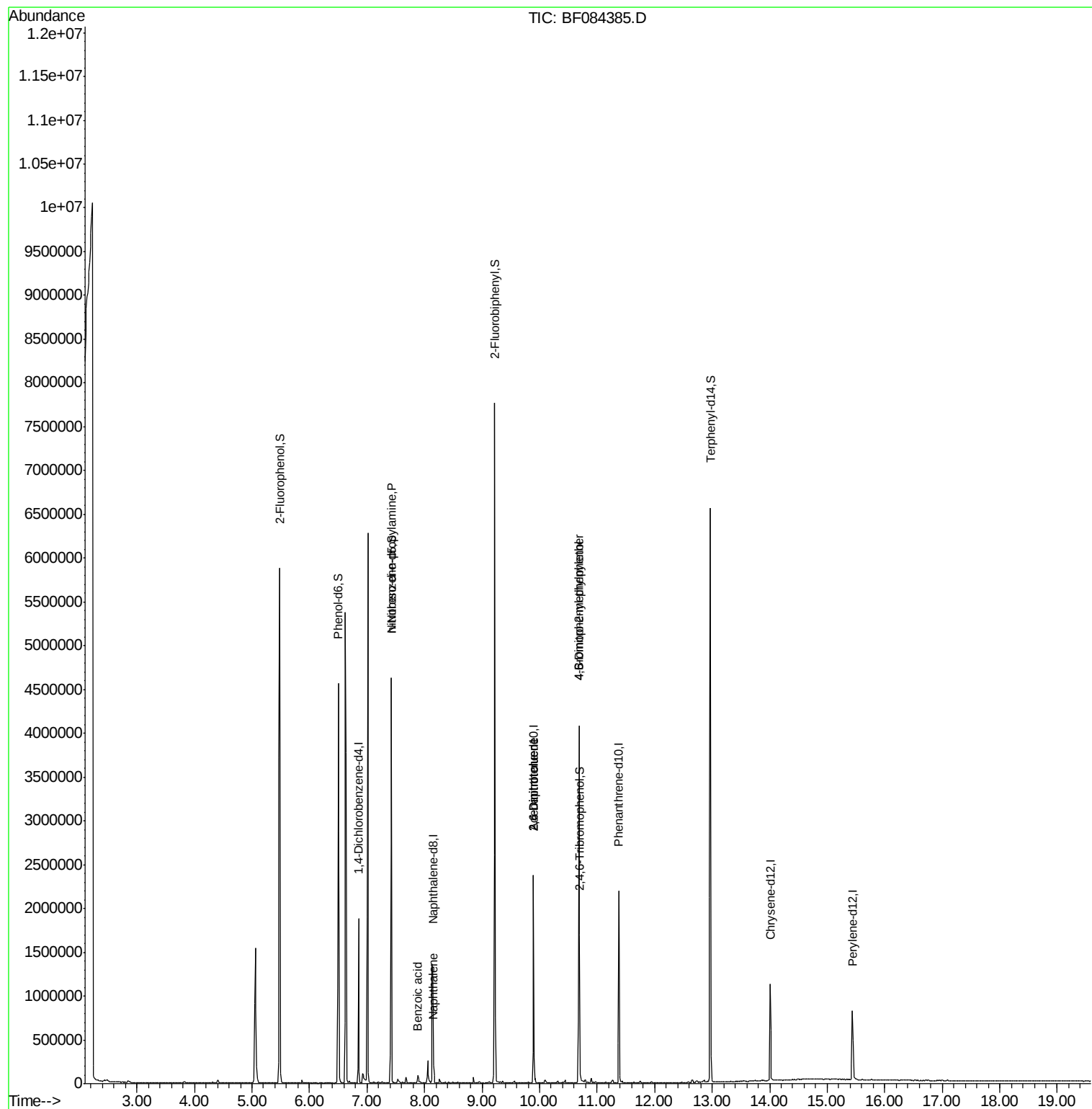
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	235921	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	924777	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	439836	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	738208	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	457286	20.00	ng	-0.06
86) Perylene-d12	15.44	264	390286	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1852388	127.00	ng	-0.01
7) Phenol-d6	6.50	99	2056756	112.28	ng	-0.03
23) Nitrobenzene-d5	7.42	82	1747832	105.19	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	585578	131.87	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2415964	97.56	ng	-0.04
78) Terphenyl-d14	12.97	244	1938407	94.62	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	249177	20.09	ng	# 72
31) Naphthalene	8.16	128	87095	2.08	ng	98
32) Benzoic acid	7.88	122	9562	7.08	ng	# 84
50) 2,6-Dinitrotoluene	9.89	165	56189	8.15	ng	# 38
54) Dibenzofuran	10.10	168	14520	Below Cal		98
56) 2,4-Dinitrotoluene	9.89	165	56182	6.44	ng	# 21
57) Fluorene	10.44	166	10316	Below Cal		95
64) 4,6-Dinitro-2-methylphenol	10.68	198	1274	6.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	34164	4.30	ng	# 1
73) Di-n-butylphthalate	11.94	149	9893	Below Cal		# 93

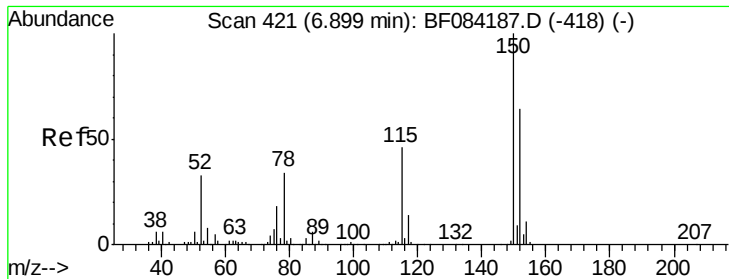
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

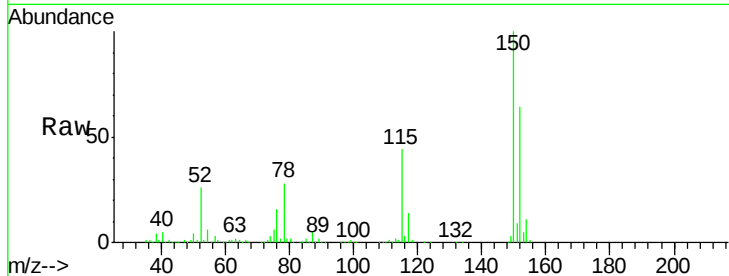
Tgt Ion:152 Resp: 235921

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

115 68.2 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

600000

500000

400000

300000

200000

100000

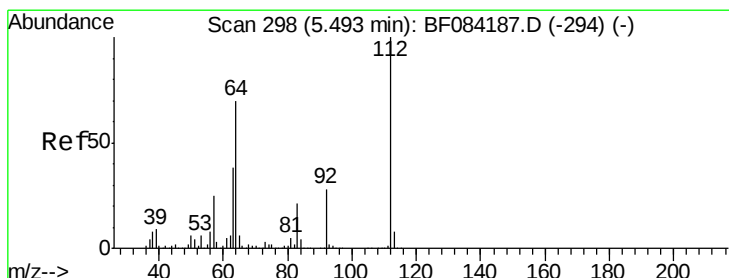
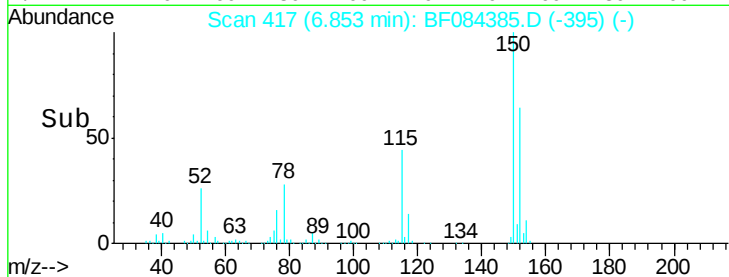
0

6.80

6.85

6.90

Time-->



#5

2-Fluorophenol

Concen: 127.00 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

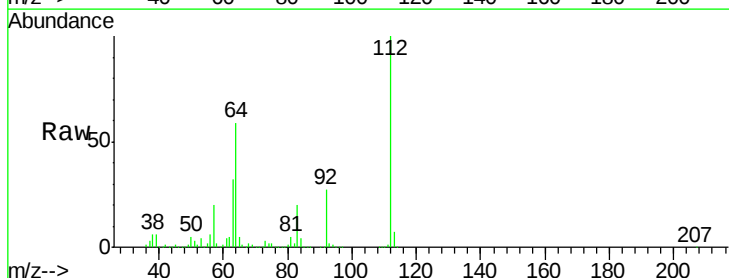
Tgt Ion:112 Resp: 1852388

Ion Ratio Lower Upper

112 100

64 59.0 36.6 55.0#

63 31.6 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

2000000

1500000

1000000

500000

0

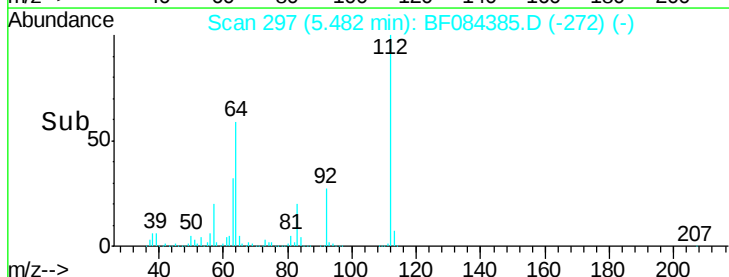
5.40

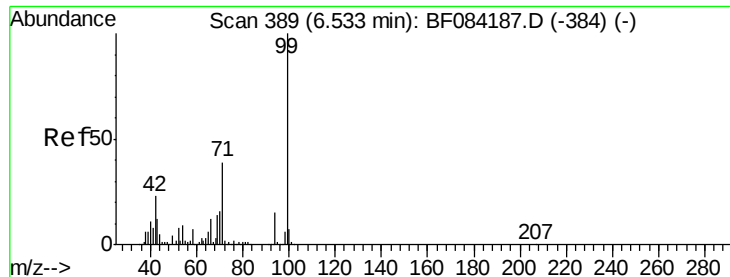
5.48

5.50

5.60

Time-->





#7

Phenol-d6

Concen: 112.28 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

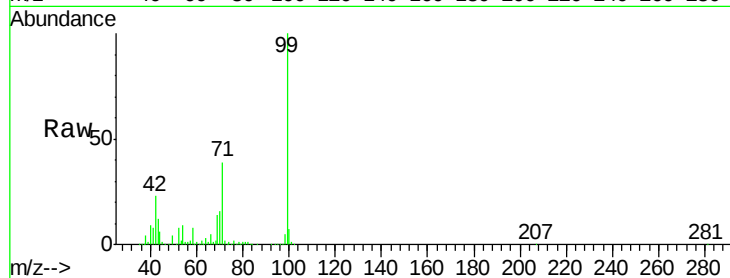
Tgt Ion: 99 Resp: 2056756

Ion Ratio Lower Upper

99 100

42 22.7 12.8 19.2#

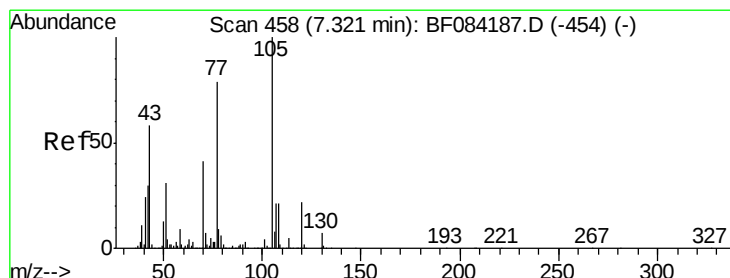
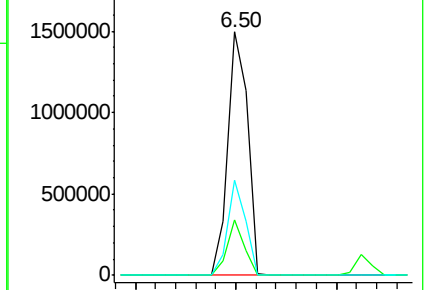
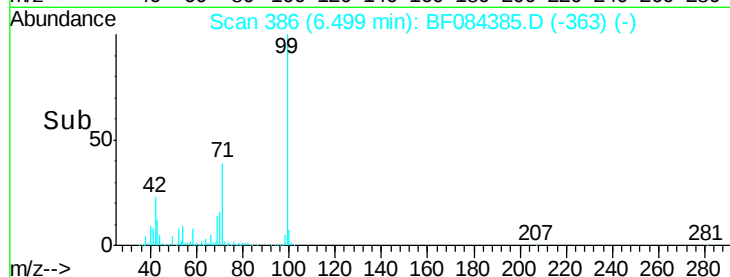
71 39.3 30.9 46.3



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: 20.09 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Tgt Ion: 70 Resp: 249177

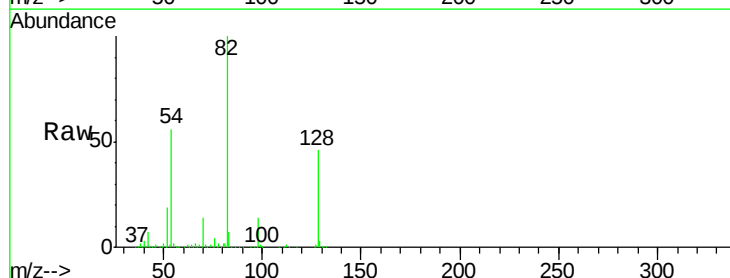
Ion Ratio Lower Upper

70 100

42 48.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

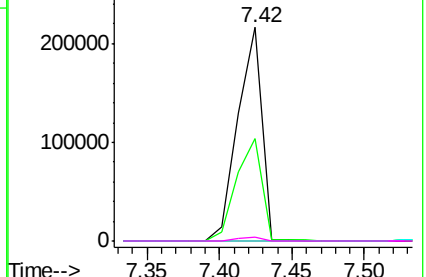
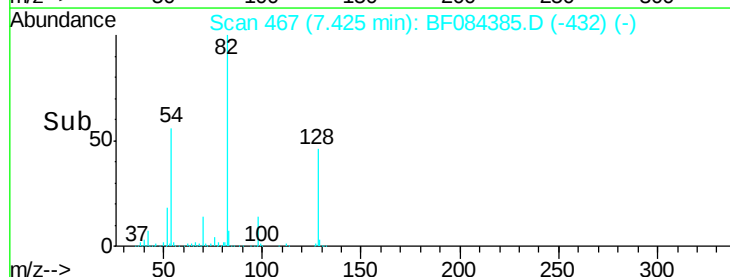


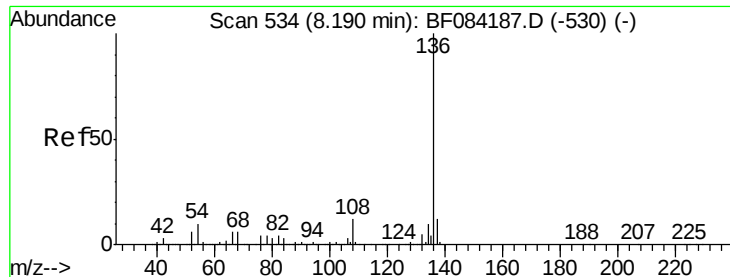
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

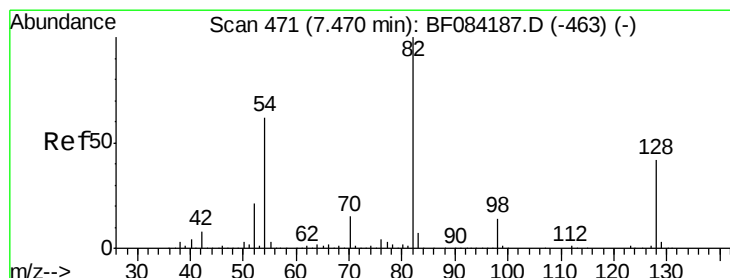
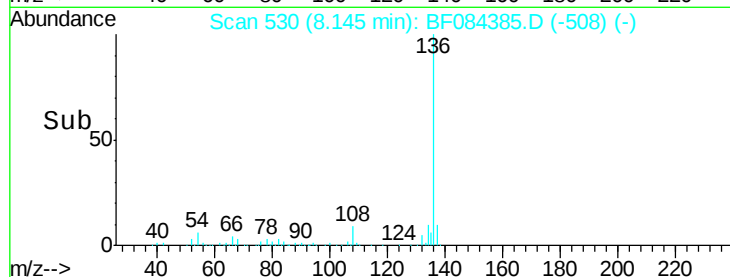
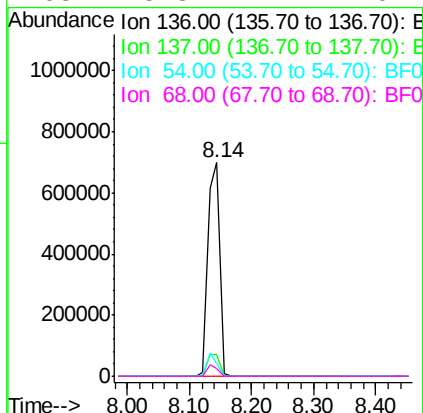
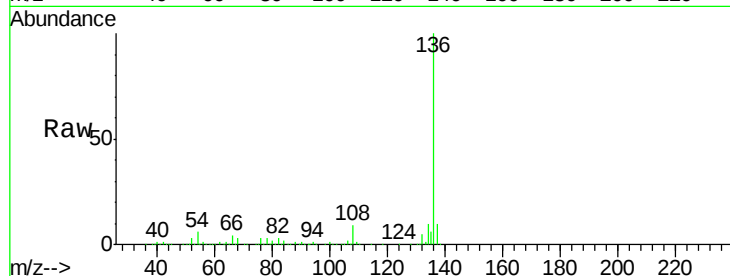




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

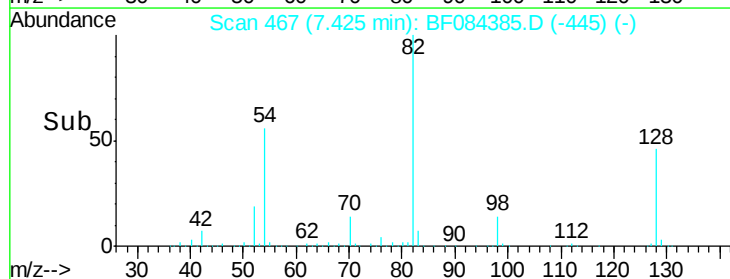
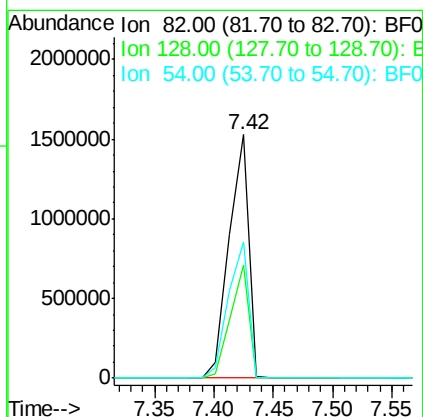
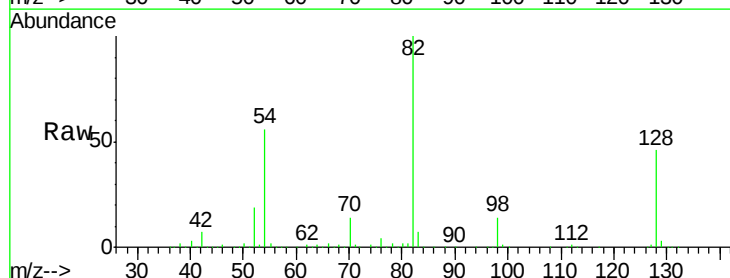
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CONTAMINATED-DRUM(1-2)COMP

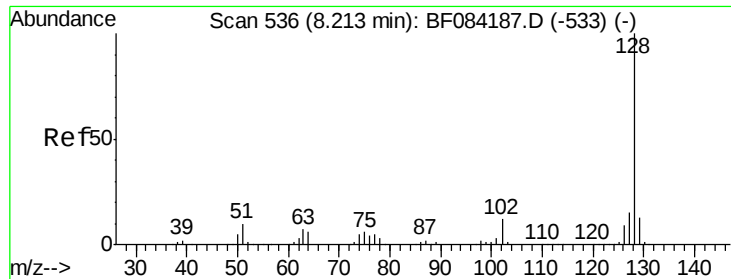
Tgt Ion:	136	Resp:	924777
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	5.8	5.8	8.8#
68	3.3	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 105.19 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

Tgt Ion:	82	Resp:	1747832
Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.6	51.8
54	55.7	38.4	57.6

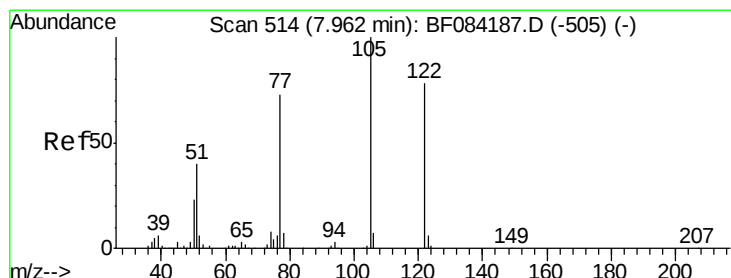
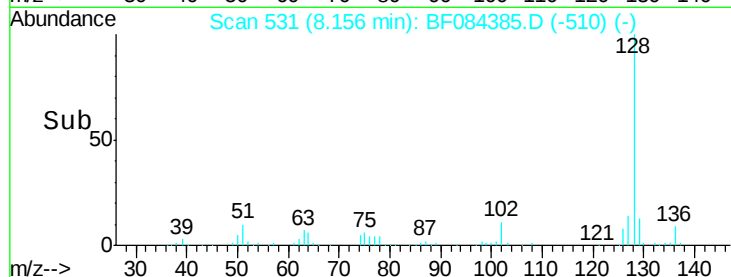
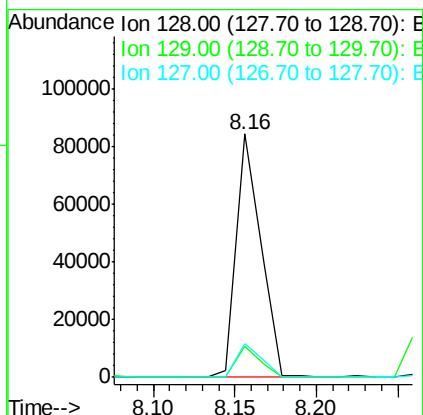
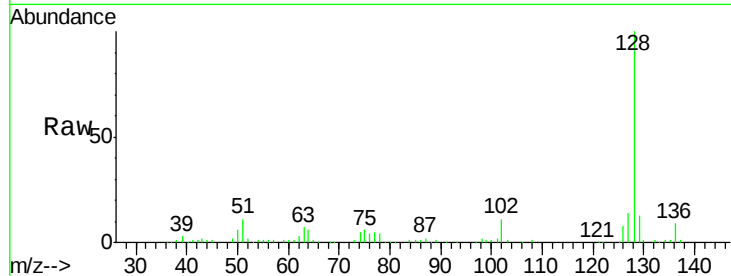




#31
Naphthalene
Concen: 2.08 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.06 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

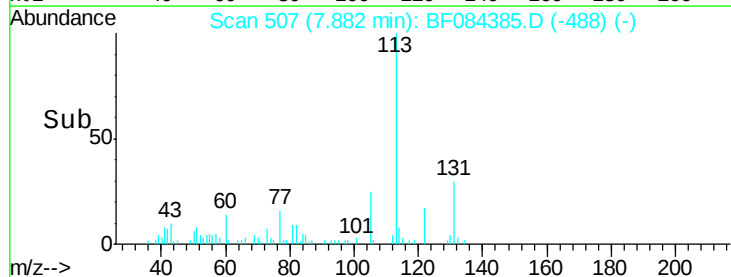
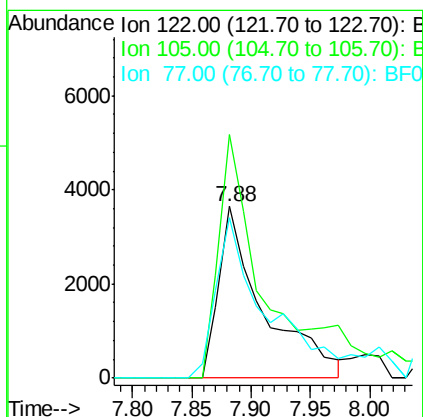
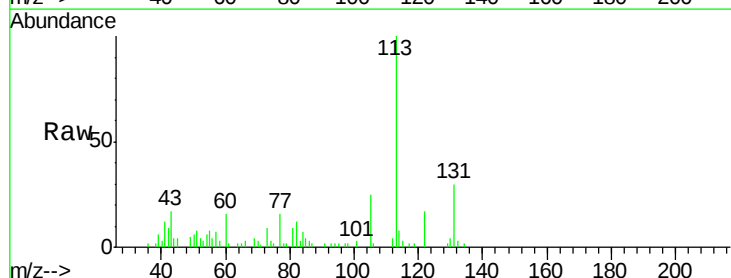
Instrument :
BNA_F
ClientSampleId :
CONTAMINATED-DRUM(1-2)COMP

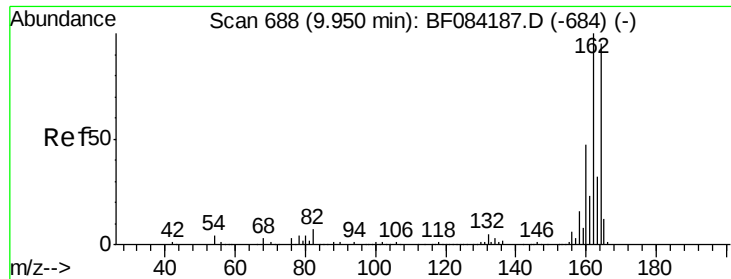
Tgt Ion:128 Resp: 87095
Ion Ratio Lower Upper
128 100
129 12.8 9.1 13.7
127 13.9 11.1 16.7



#32
Benzoic acid
Concen: 7.08 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.08 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

Tgt Ion:122 Resp: 9562
Ion Ratio Lower Upper
122 100
105 142.1 100.3 140.3#
77 93.6 63.5 103.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

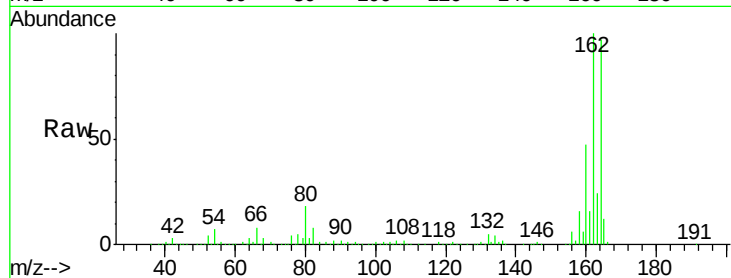
Tgt Ion:164 Resp: 439836

Ion Ratio Lower Upper

164 100

162 103.6 85.1 127.7

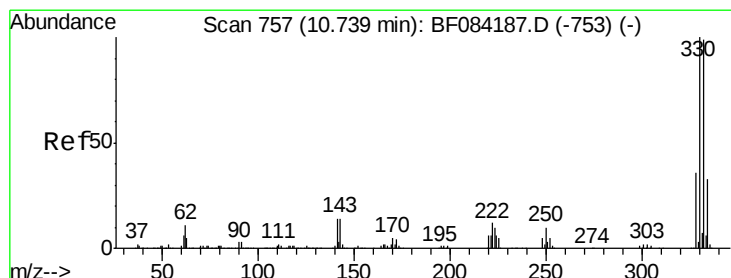
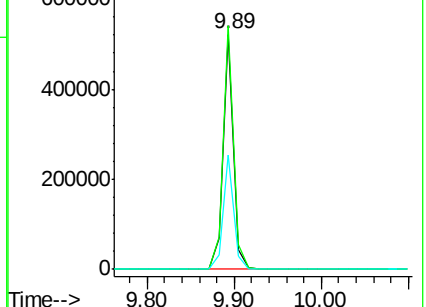
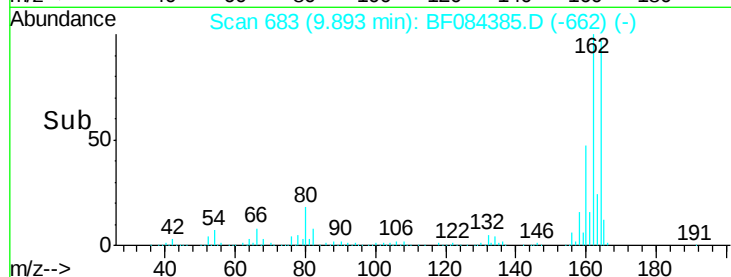
160 48.5 37.5 56.3



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: 131.87 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

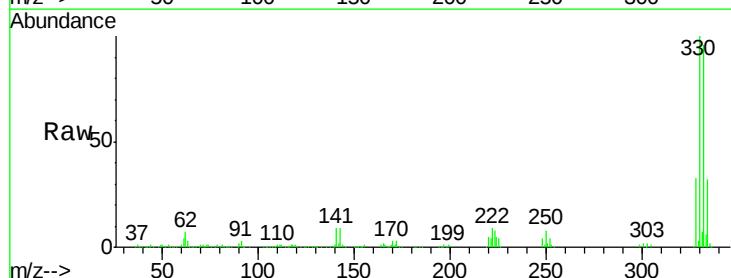
Tgt Ion:330 Resp: 585578

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

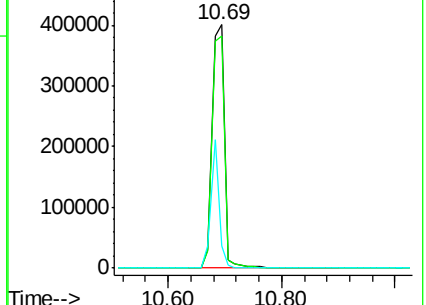
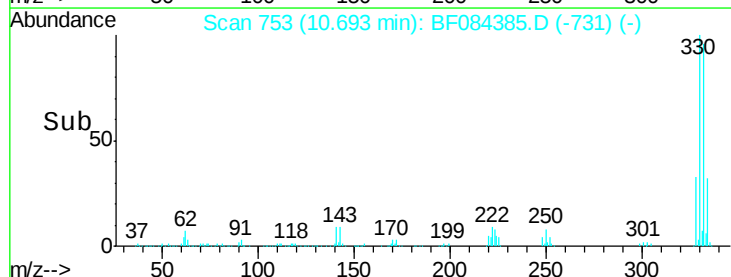
141 34.7 27.8 41.6

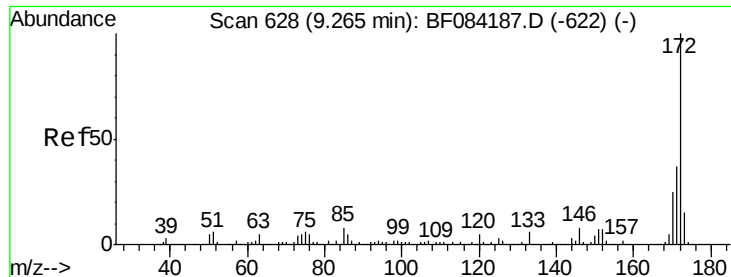


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

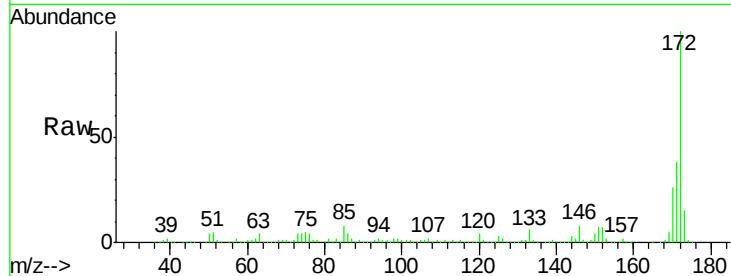




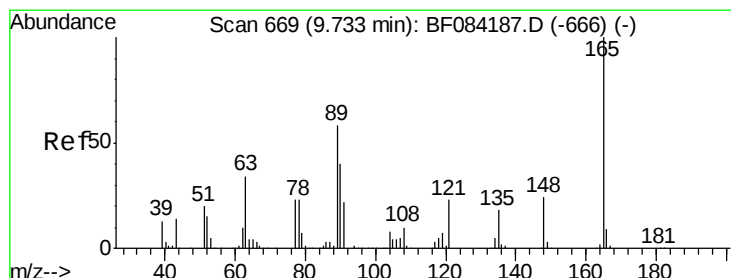
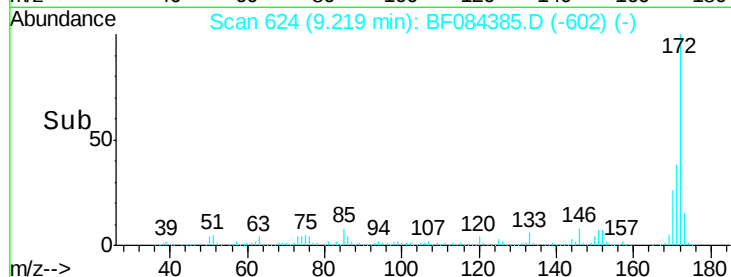
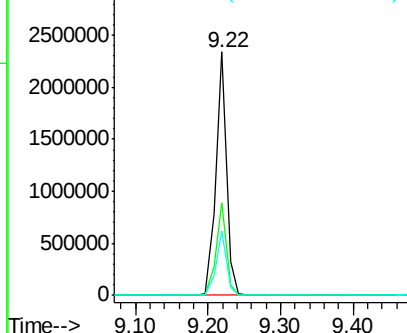
#44
 2-Fluorobiphenyl
 Concen: 97.56 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084385.D
 Acq: 11 Jan 2016 17:49

Instrument :
 BNA_F
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 CONTAMINATED-DRUM(1-2)COMP

Tgt Ion:172 Resp: 2415964
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.4 18.6 27.8

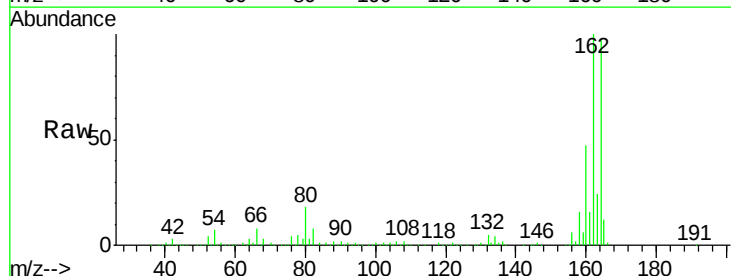


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

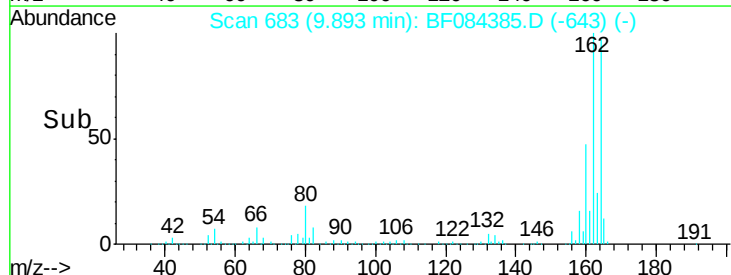
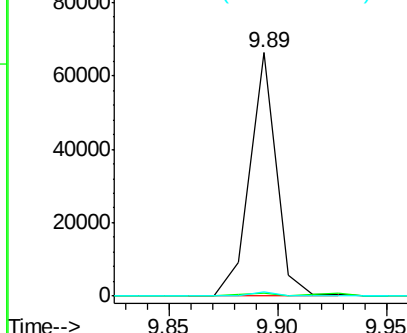


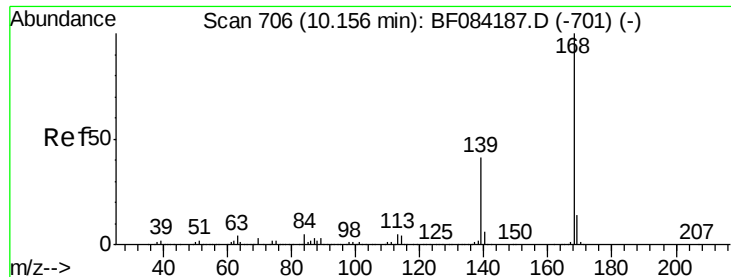
#50
 2,6-Dinitrotoluene
 Concen: 8.15 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084385.D
 Acq: 11 Jan 2016 17:49

Tgt Ion:165 Resp: 56189
 Ion Ratio Lower Upper
 165 100
 63 1.4 28.8 43.2#
 89 1.6 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

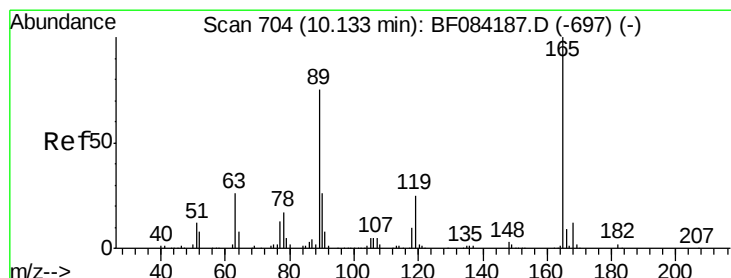
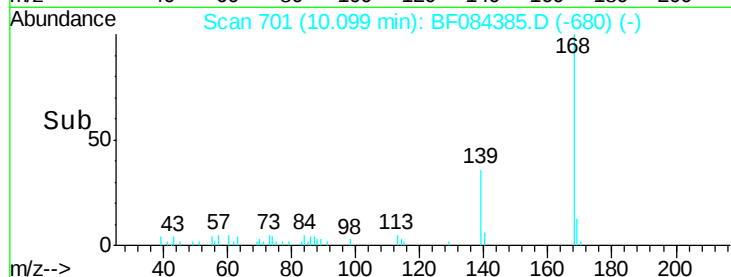
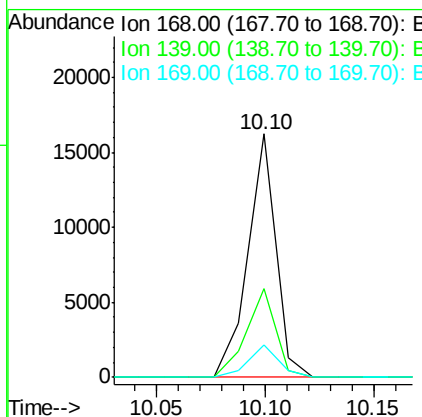
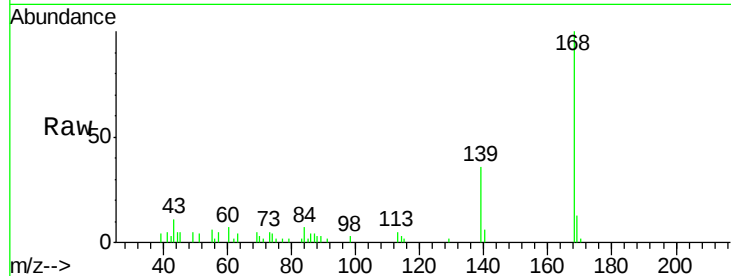




#54
Dibenzofuran
Concen: Below Cal
RT: 10.10 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

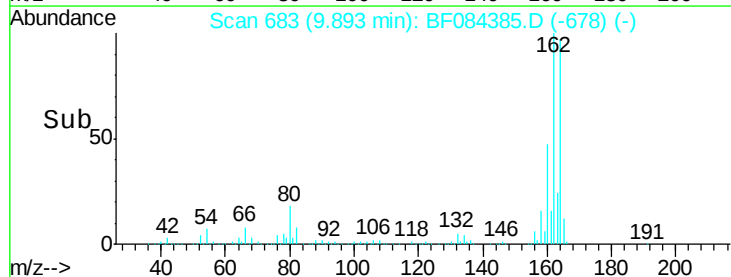
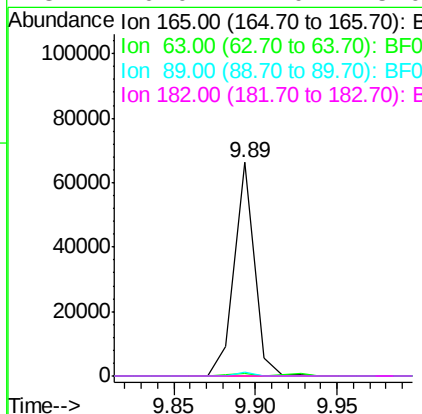
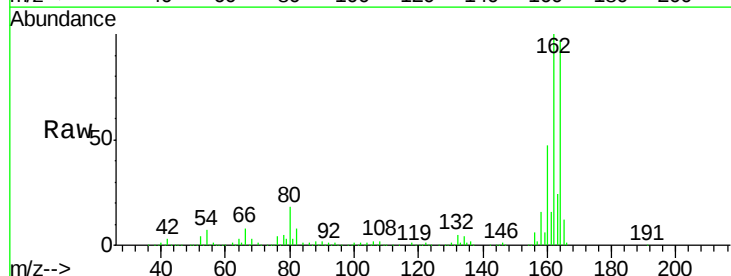
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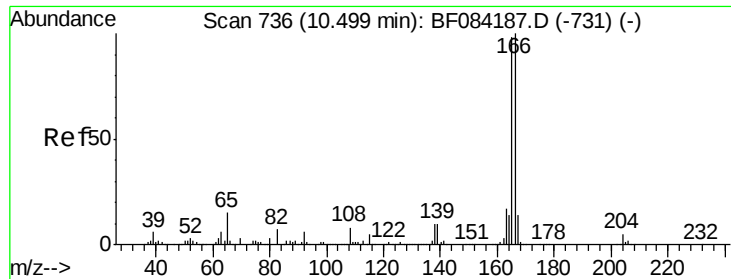
Tgt Ion:168 Resp: 14520
Ion Ratio Lower Upper
168 100
139 36.4 30.5 45.7
169 13.2 10.4 15.6



#56
2,4-Dinitrotoluene
Concen: 6.44 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.24 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

Tgt Ion:165 Resp: 56182
Ion Ratio Lower Upper
165 100
63 1.4 36.7 55.1#
89 1.6 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

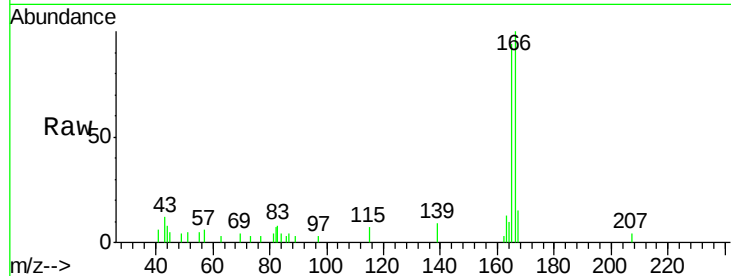
Tgt Ion:166 Resp: 10316

Ion Ratio Lower Upper

166 100

165 94.2 79.1 118.7

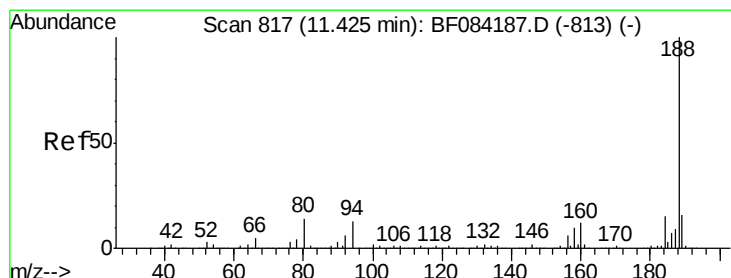
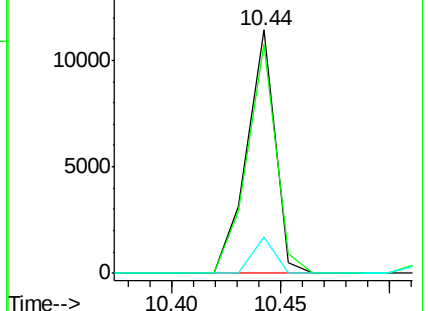
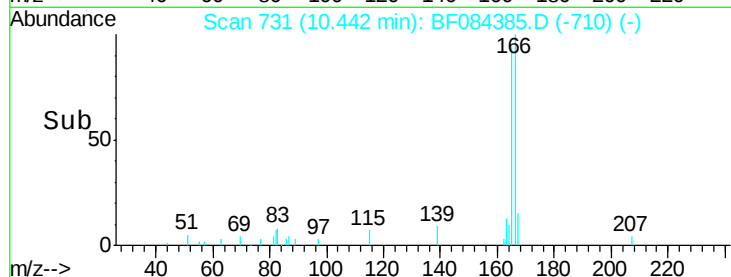
167 14.7 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

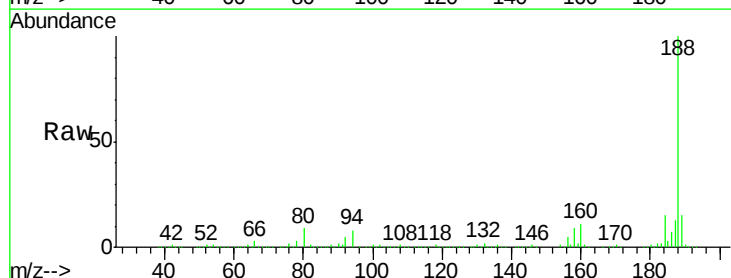
Tgt Ion:188 Resp: 738208

Ion Ratio Lower Upper

188 100

94 8.1 9.0 13.4#

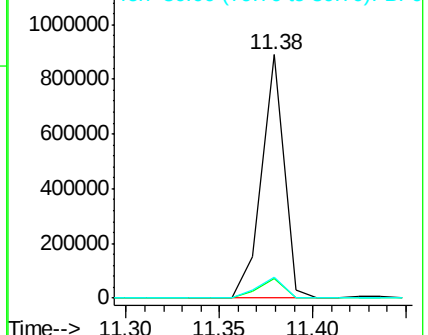
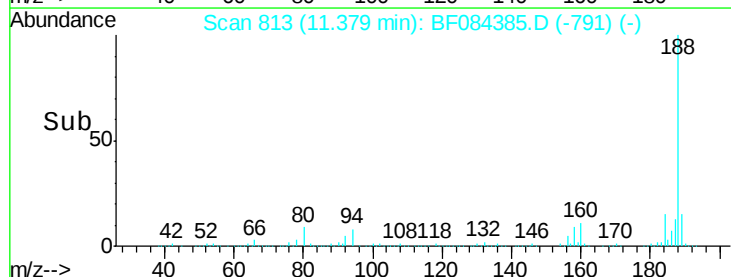
80 8.8 9.6 14.4#

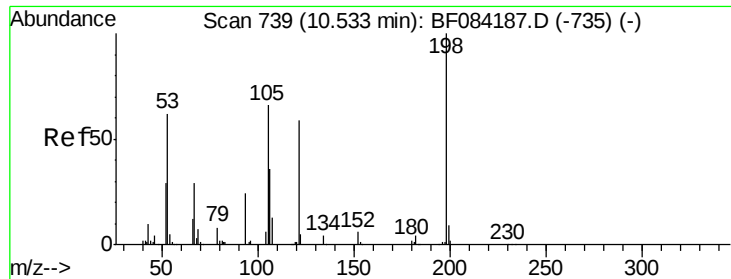


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.63 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

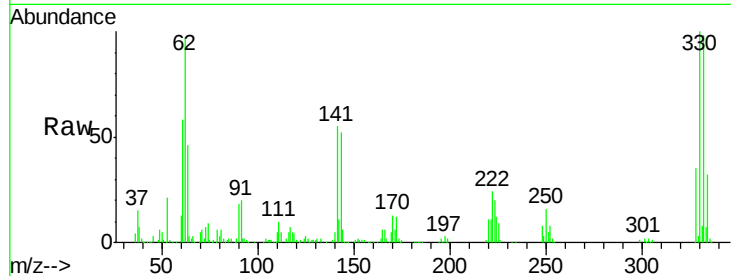
Tgt Ion:198 Resp: 1274

Ion Ratio Lower Upper

198 100

51 207.4 18.9 58.9#

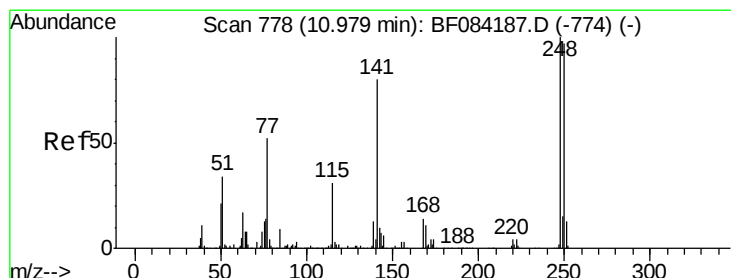
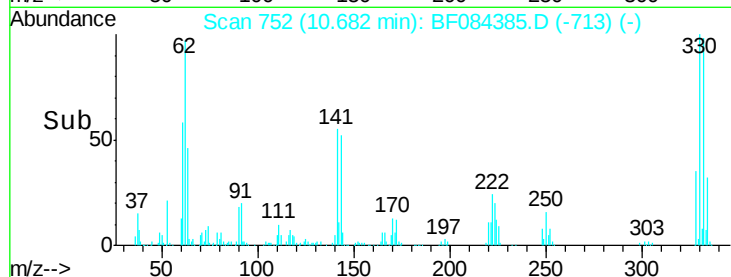
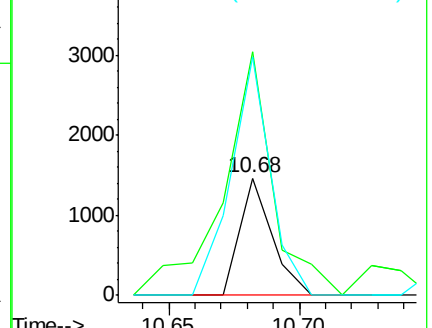
105 203.3 26.4 66.4#



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



#66

4-Bromophenyl-phenylether

Concen: 4.30 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

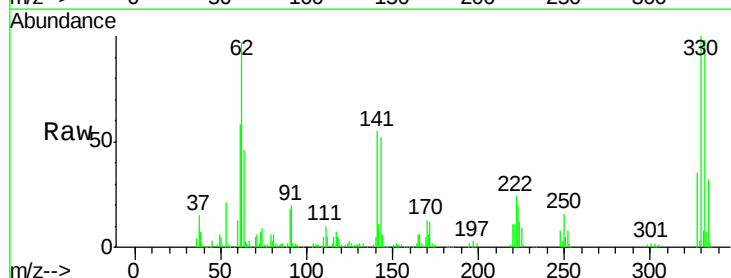
Tgt Ion:248 Resp: 34164

Ion Ratio Lower Upper

248 100

250 200.6 78.4 117.6#

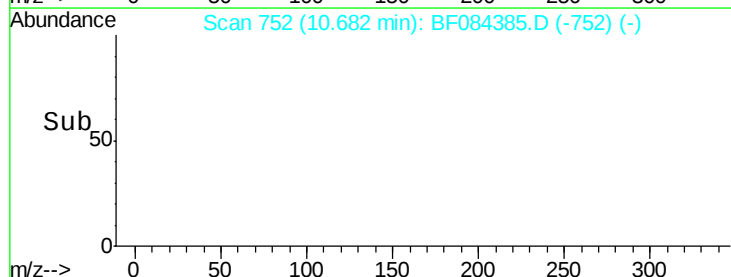
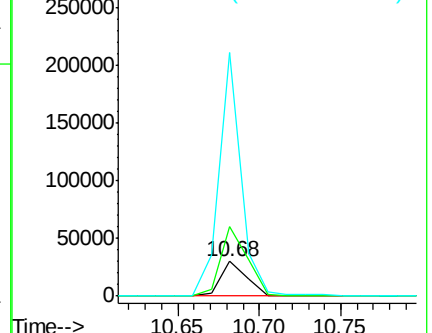
141 705.2 44.0 66.0#

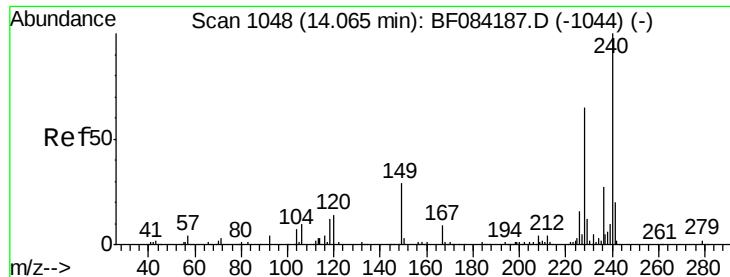


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

Instrument :

BNA_F

ClientSampleId :

CONTAMINATED-DRUM(1-2)COMP

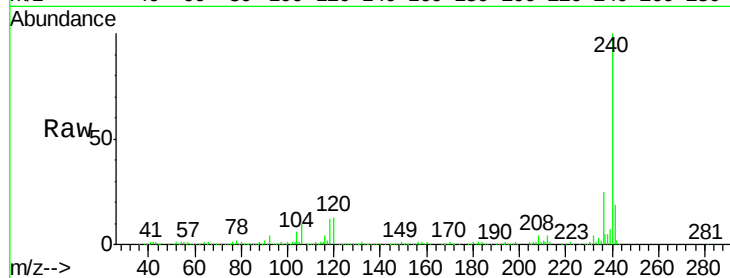
Tgt Ion:240 Resp: 457286

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

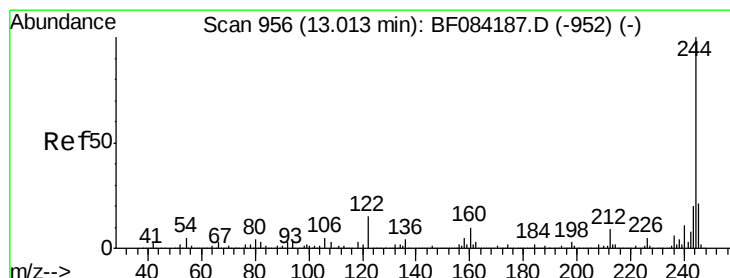
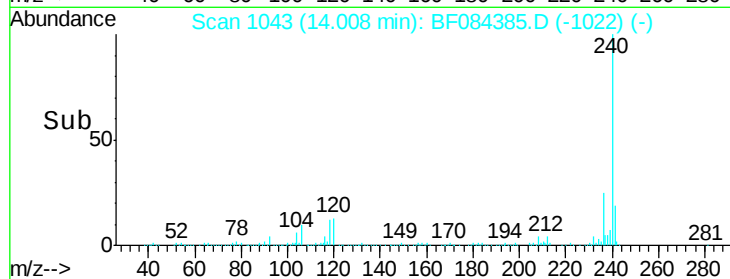
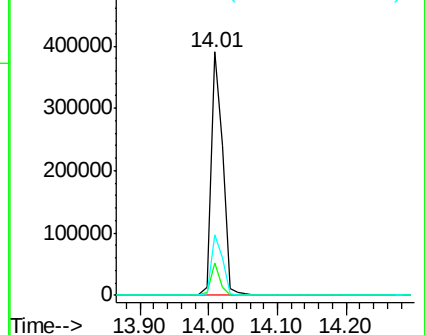
236 24.7 20.6 31.0



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



#78

Terphenyl-d14

Concen: 94.62 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084385.D

Acq: 11 Jan 2016 17:49

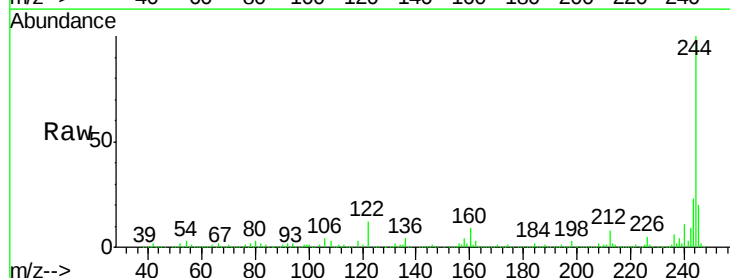
Tgt Ion:244 Resp: 1938407

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

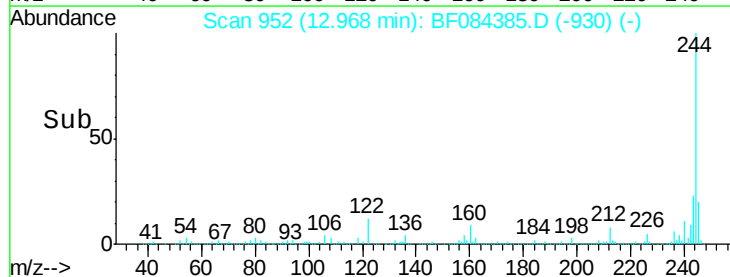
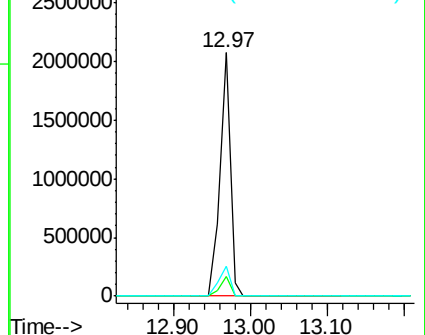
122 12.4 7.4 11.0#

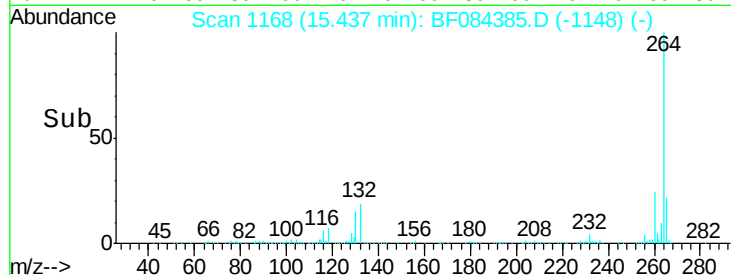
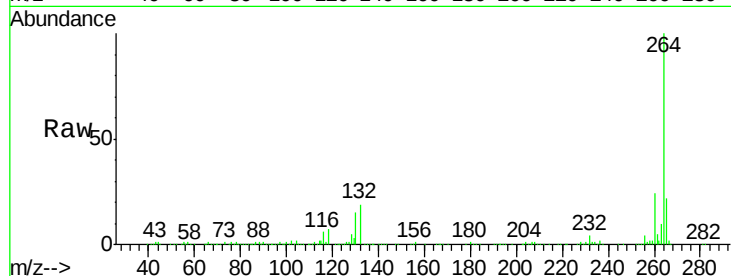
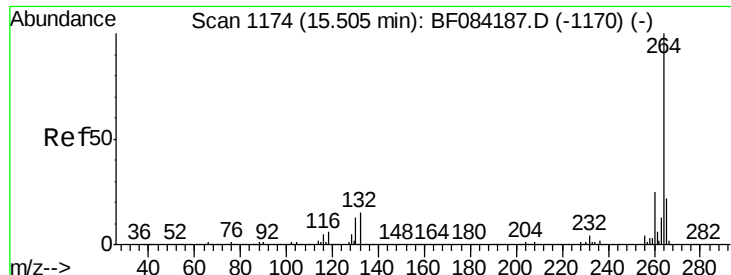


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084385.D
Acq: 11 Jan 2016 17:49

Instrument :
BNA_F
ClientSampleId :
CONTAMINATED-DRUM(1-2)COMP

Tgt Ion:	264	Resp:	390286
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	22.2	17.8	26.6

