

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081545.D
 Acq On : 9 Sep 2015 4:41
 Operator : UM/IZ
 Sample : G3594-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-4A

Quant Time: Sep 09 05:55:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 09 03:32:15 2015
 Response via : Initial Calibration

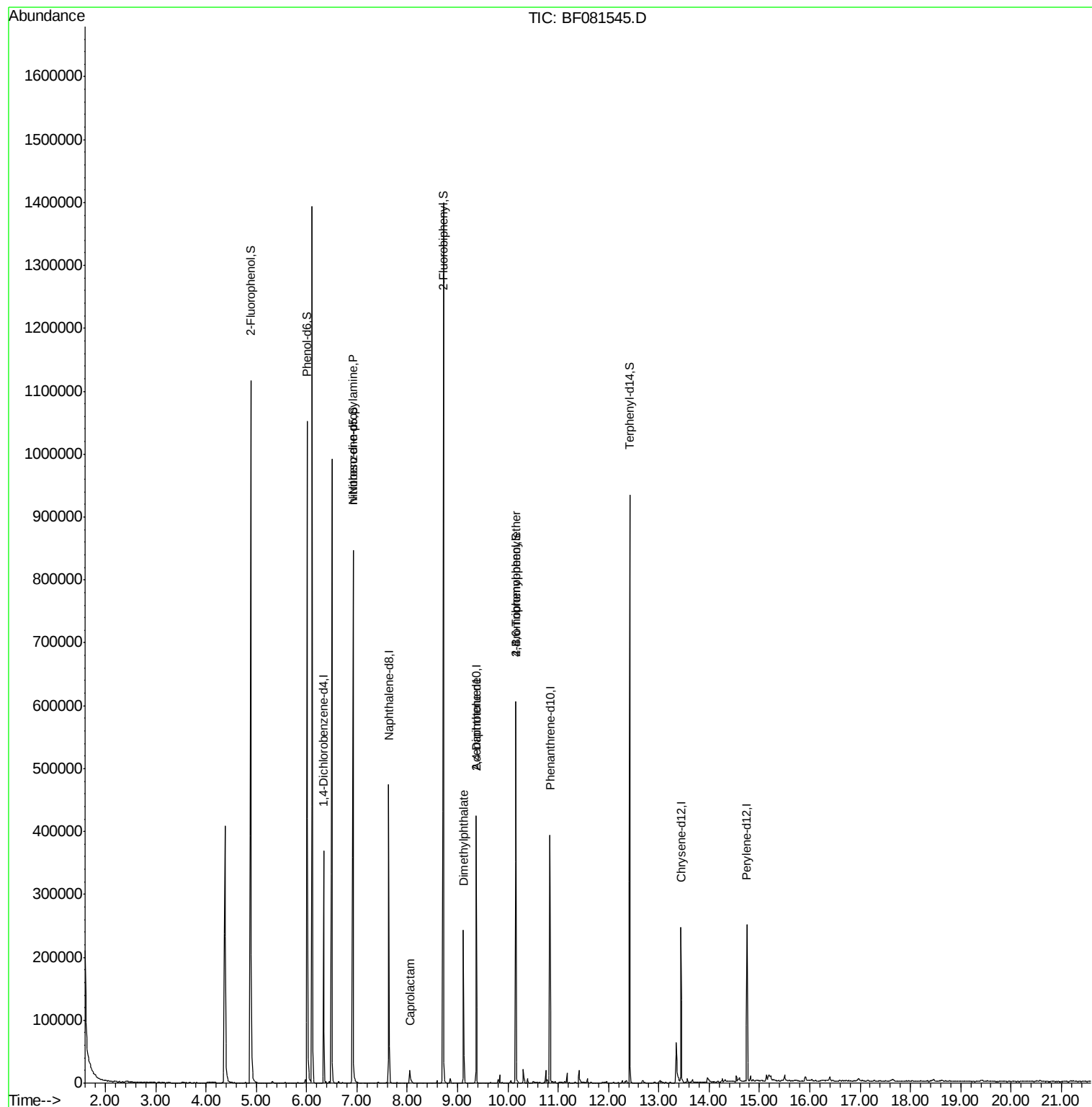
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	49600	20.00	ng	-0.01
21) Naphthalene-d8	7.63	136	189945	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	83184	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	147885	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	105940	20.00	ng	-0.01
86) Perylene-d12	14.75	264	101148	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	302930	94.76	ng	0.01
7) Phenol-d6	6.01	99	376383	88.95	ng	-0.01
23) Nitrobenzene-d5	6.92	82	286824	72.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.16	330	75255	101.60	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	435832	67.14	ng	0.00
78) Terphenyl-d14	12.42	244	292520	64.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.92	70	39355	13.66	ng	# 61
35) Caprolactam	8.06	113	2184	2.67	ng	# 54
49) Dimethylphthalate	9.12	163	85873	13.29	ng	# 97
56) 2,4-Dinitrotoluene	9.37	165	10708	5.73	ng	# 31
66) 4-Bromophenyl-phenylether	10.16	248	5824	3.89	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: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-4A

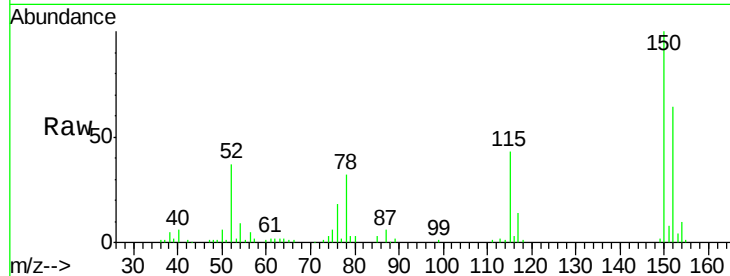
Tot Ion:152 Resp: 49600

Ion Ratio Lower Upper

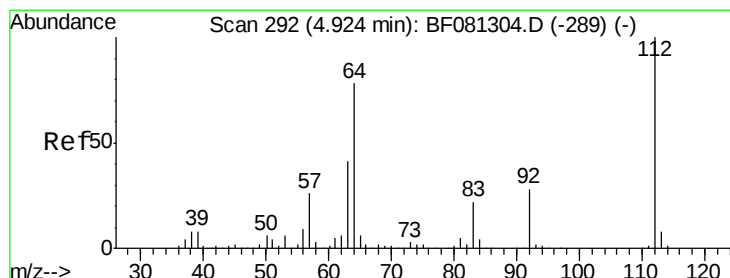
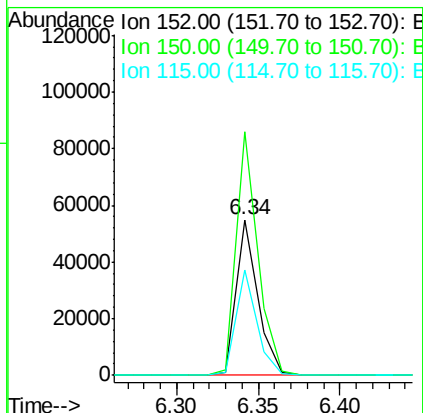
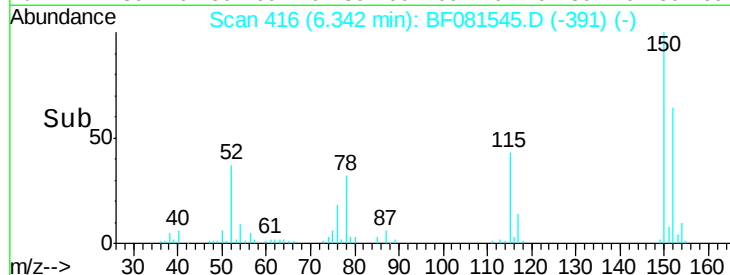
152 100

150 156.8 124.7 187.1

115 68.0 39.0 58.4#



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: 94.76 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

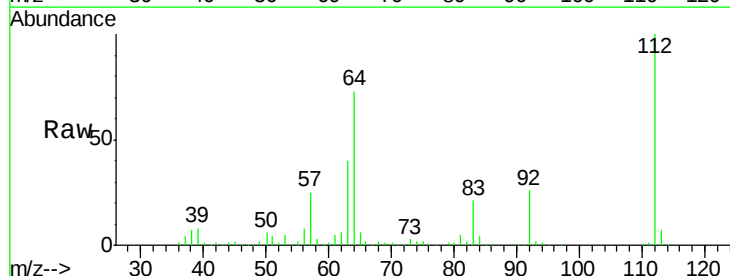
Tgt Ion:112 Resp: 302930

Ion Ratio Lower Upper

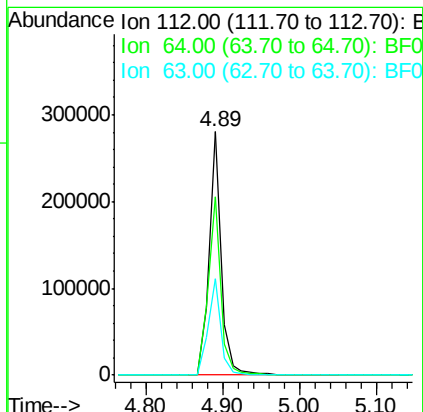
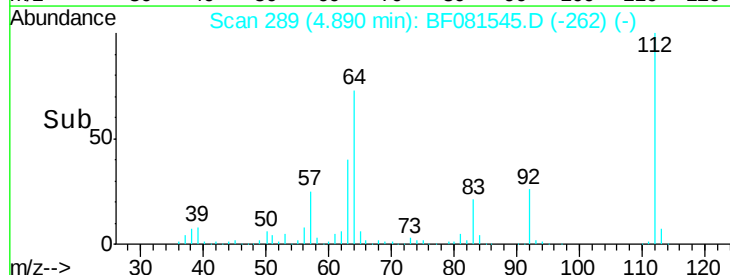
112 100

64 73.2 39.7 59.5#

63 39.8 17.4 26.0#



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: 88.95 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-4A

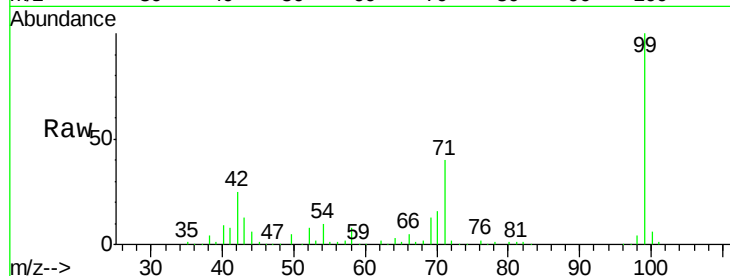
Tot Ion: 99 Resp: 376383

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

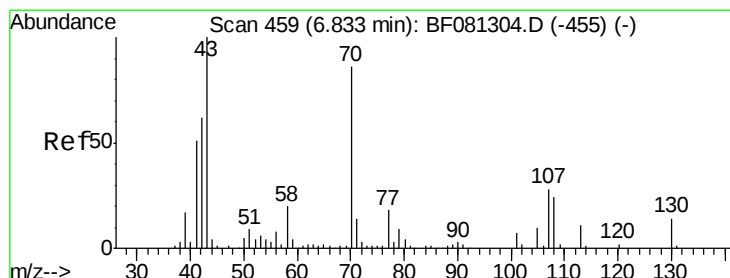
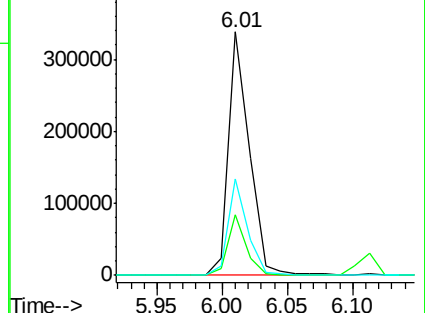
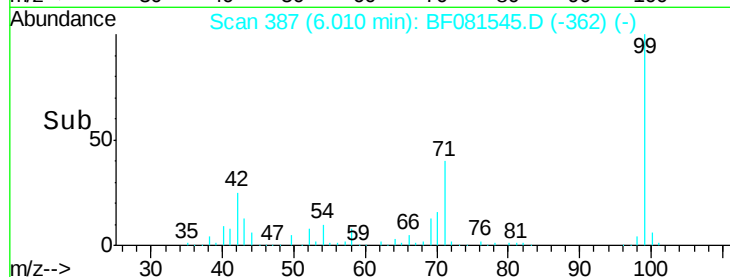
71 39.7 14.2 21.2#



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: 13.66 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Tgt Ion: 70 Resp: 39355

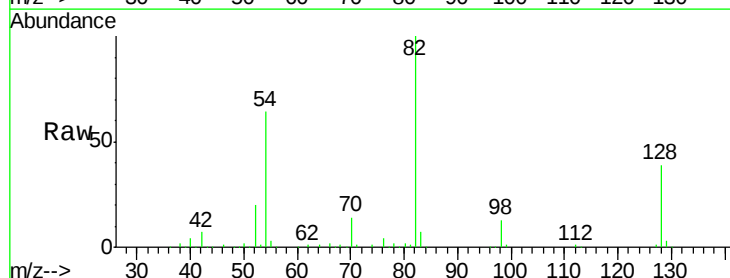
Ion Ratio Lower Upper

70 100

42 51.3 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#

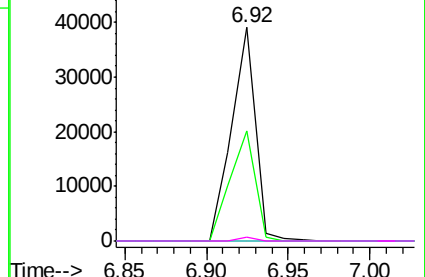
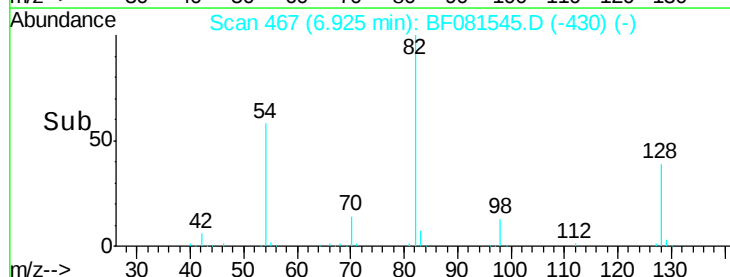


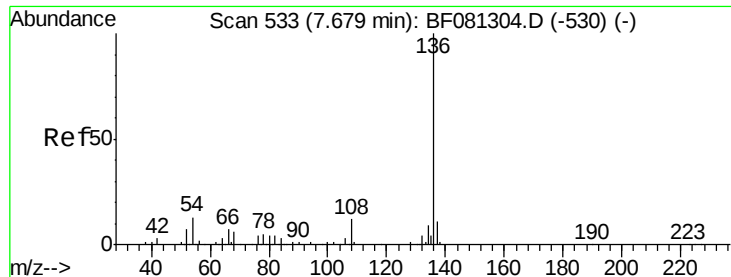
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

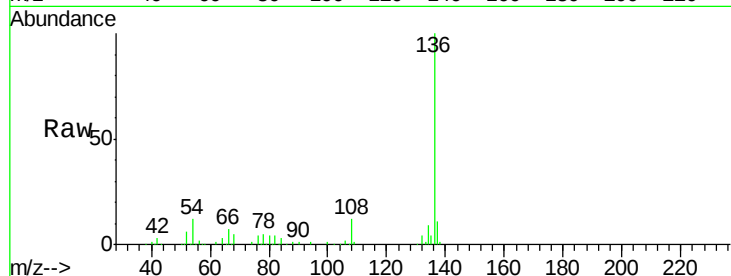




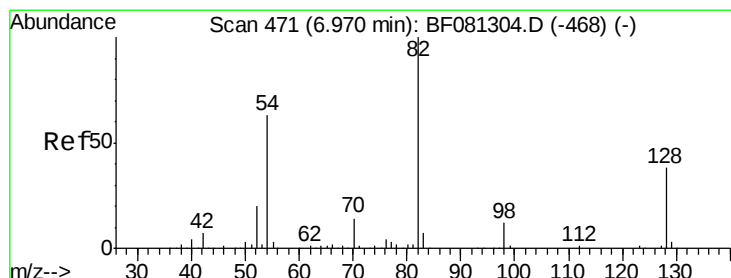
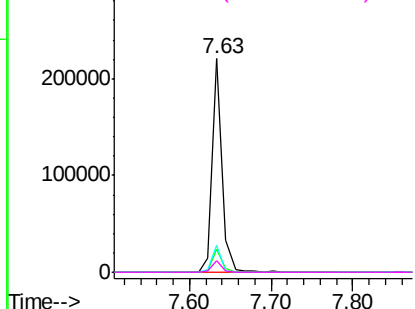
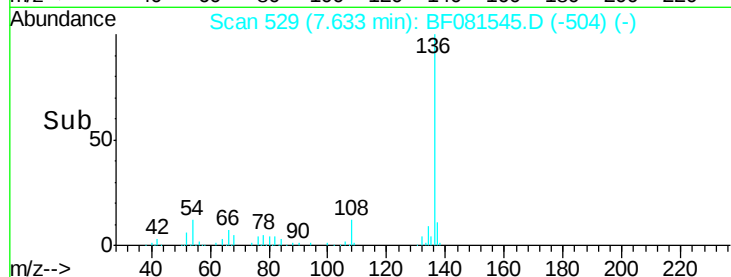
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF081545.D
Acq: 9 Sep 2015 4:41

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-4A

Tot Ion:136	Resp:	189945
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	12.3	8.2 12.2#
68	5.4	5.8 8.6#

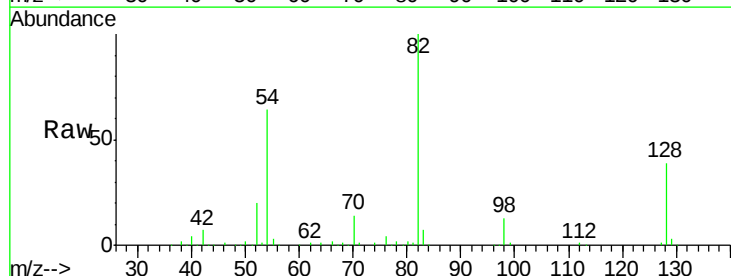


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

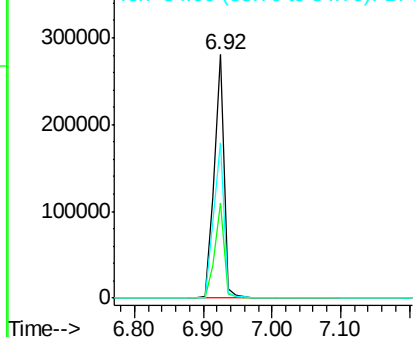
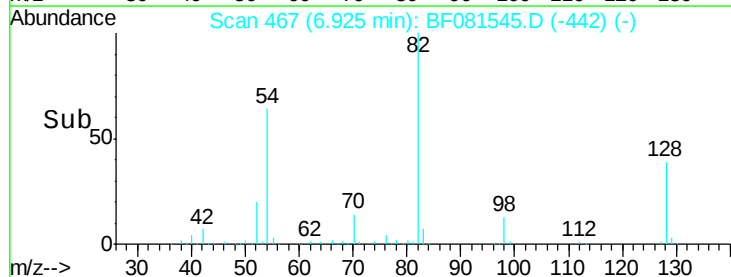


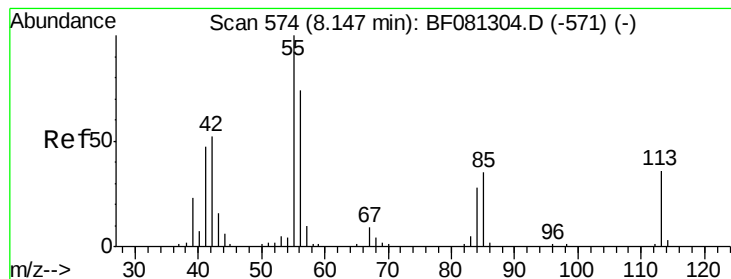
#23
Nitrobenzene-d5
Concen: 72.85 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.01 min
Lab File: BF081545.D
Acq: 9 Sep 2015 4:41

Tgt Ion: 82	Resp:	286824
Ion Ratio	Lower	Upper
82	100	
128	39.2	51.0 76.6#
54	63.6	47.5 71.3



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





#35

Caprolactam

Concen: 2.67 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.06 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-4A

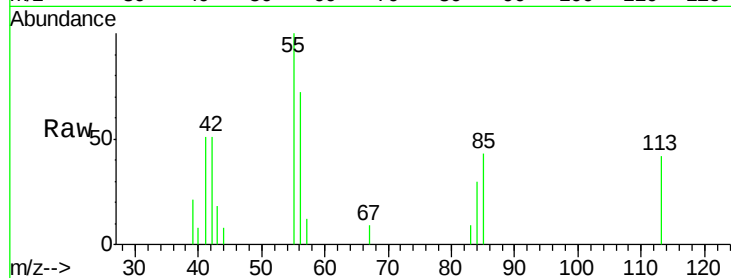
Tot Ion:113 Resp: 2184

Ion Ratio Lower Upper

113 100

55 239.6 152.4 192.4#

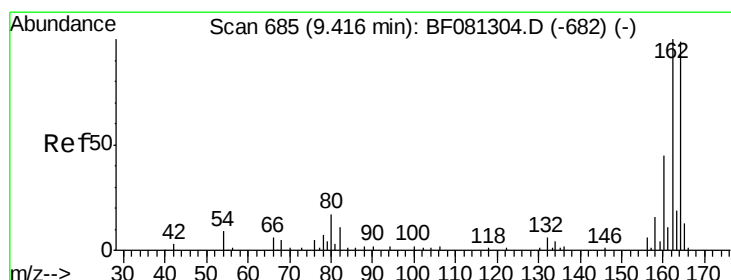
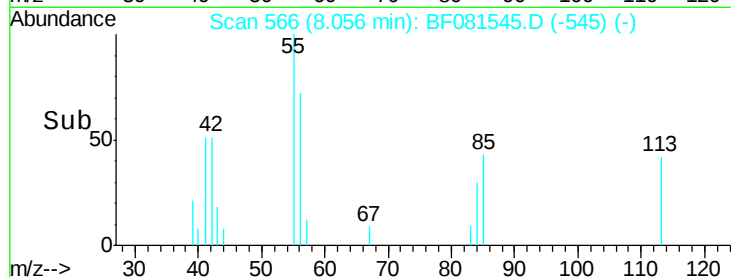
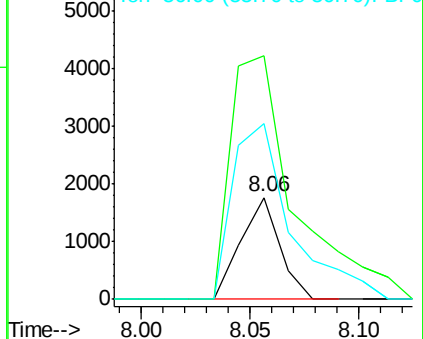
56 173.0 104.6 144.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

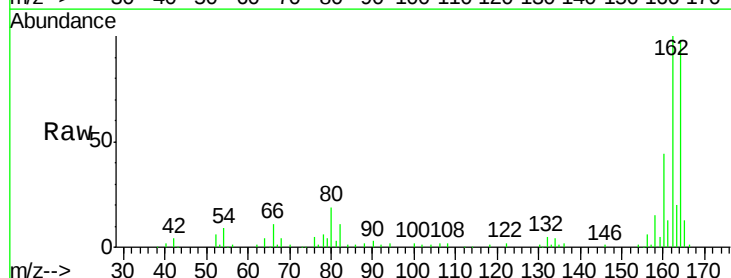
Tgt Ion:164 Resp: 83184

Ion Ratio Lower Upper

164 100

162 102.2 75.2 112.8

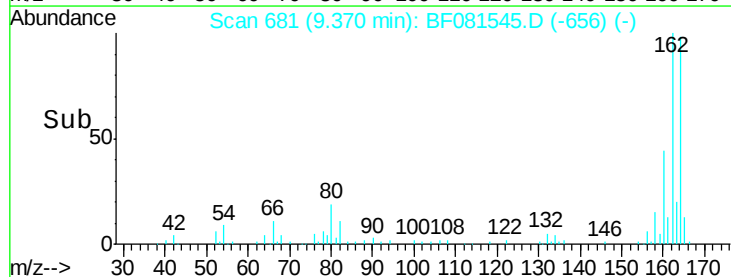
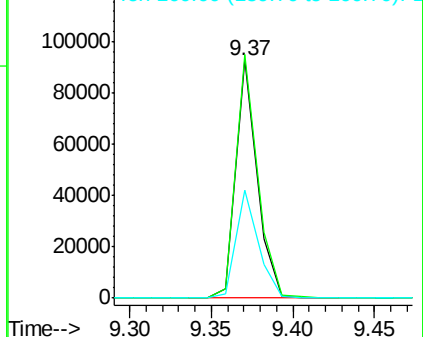
160 45.4 31.5 47.3

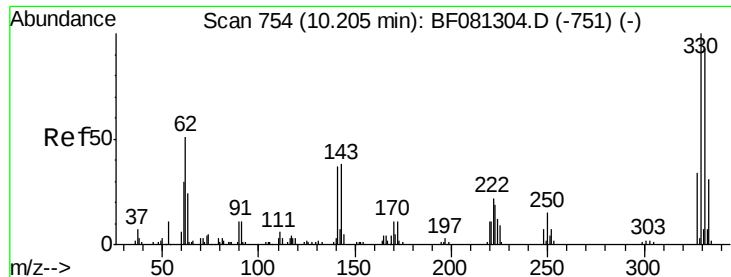


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

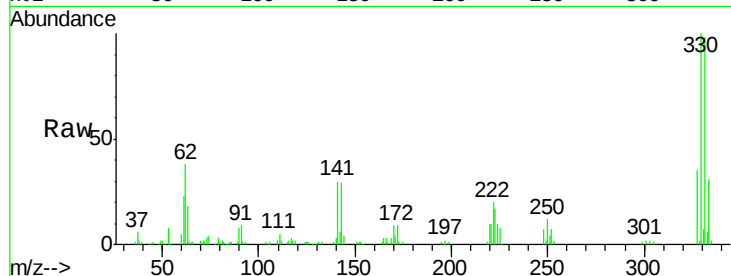




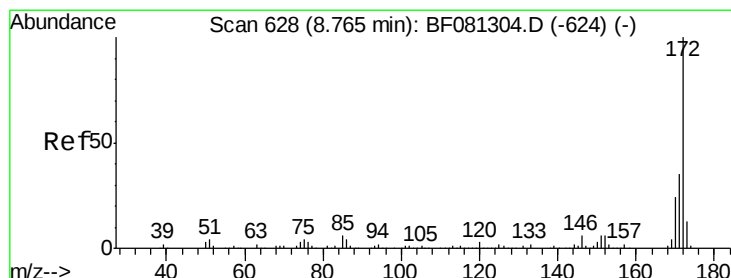
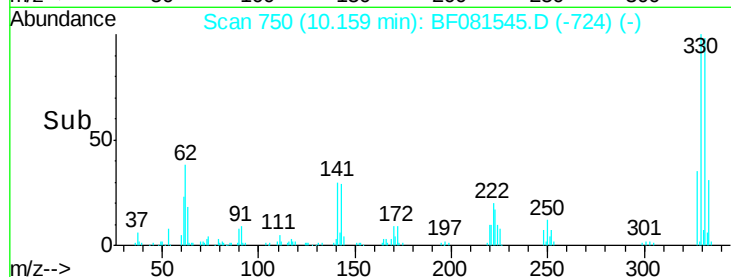
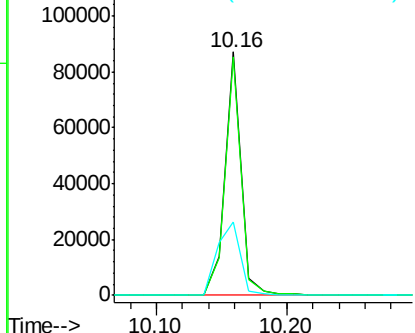
#41
 2,4,6-Tribromophenol
 Concen: 101.60 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081545.D
 Acq: 9 Sep 2015 4:41

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-4A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	114.8
141	43.0	29.7	44.5

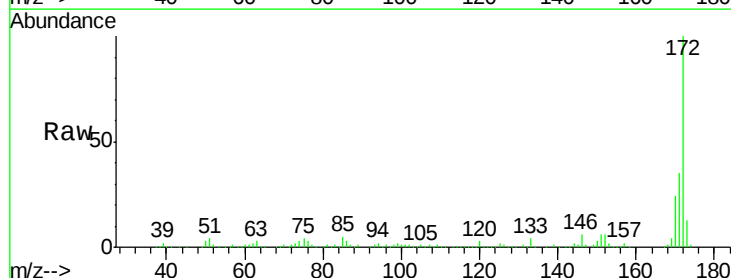


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

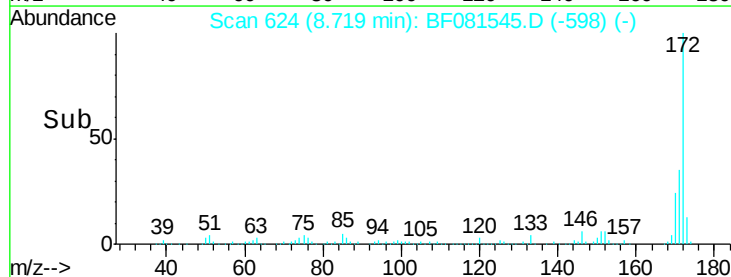
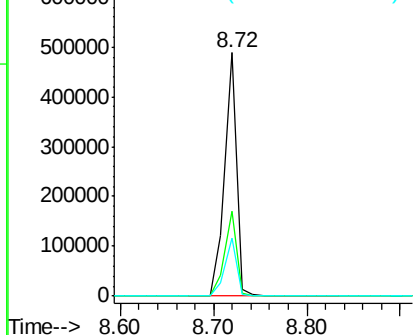


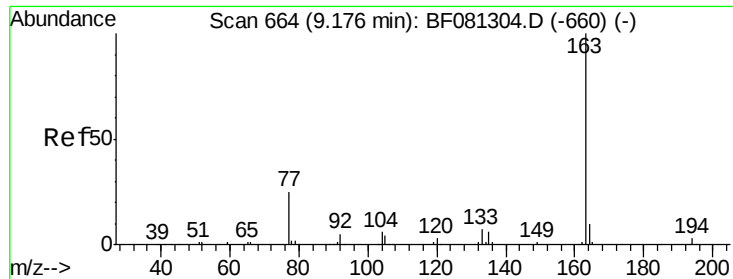
#44
 2-Fluorobiphenyl
 Concen: 67.14 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081545.D
 Acq: 9 Sep 2015 4:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.1	39.1
170	23.9	17.4	26.2



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

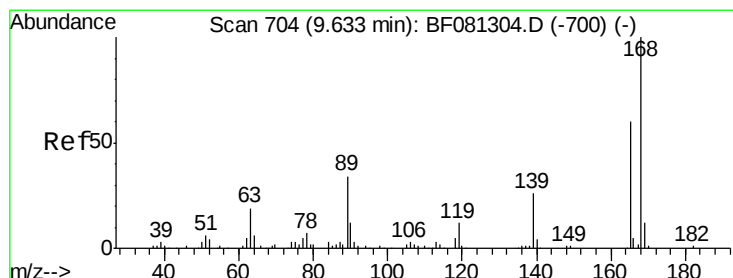
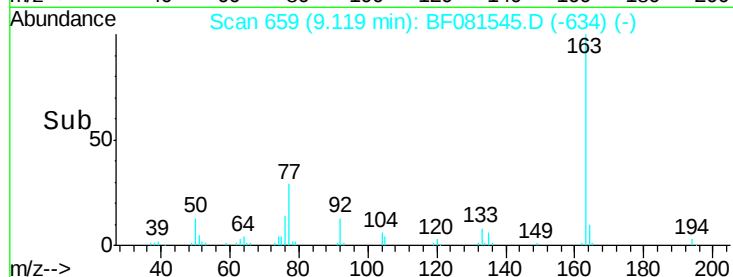
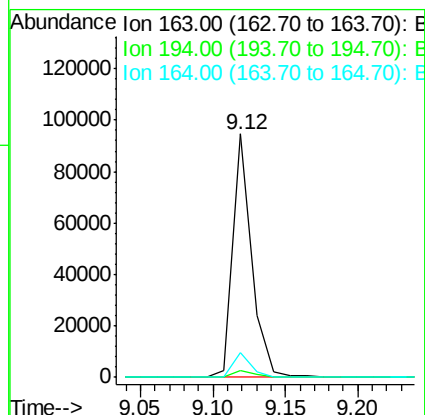
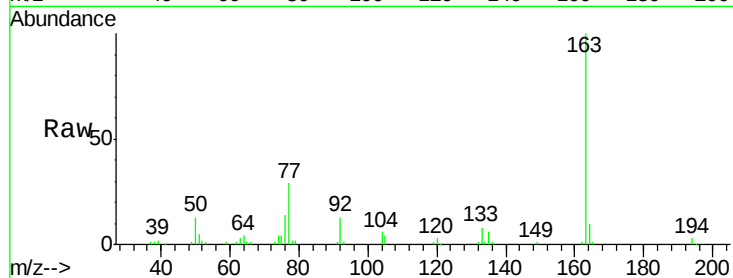




#49
Dimethylphthalate
Concen: 13.29 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.01 min
Lab File: BF081545.D
Acq: 9 Sep 2015 4:41

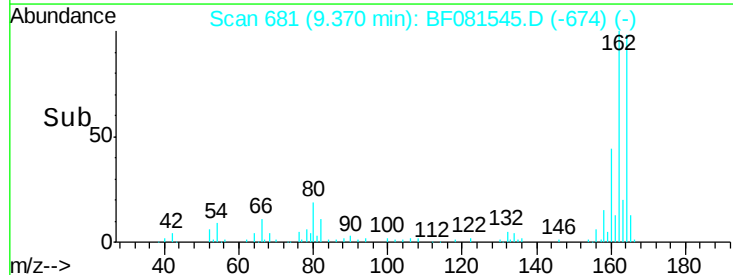
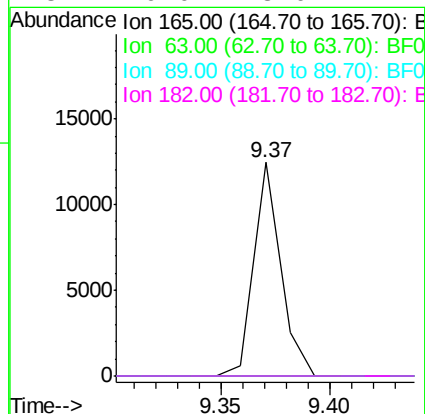
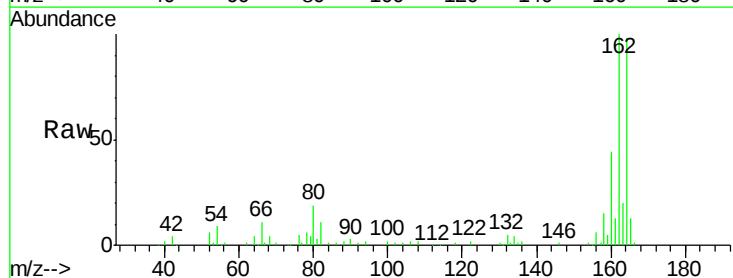
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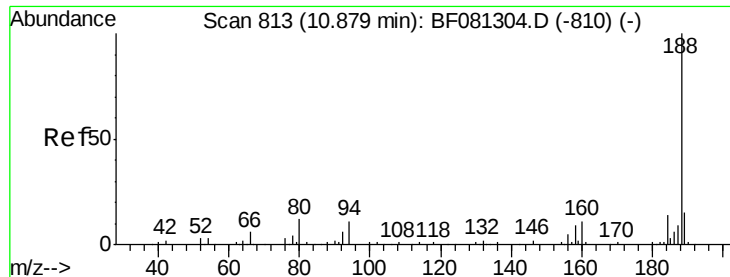
Tot Ion:163 Resp: 85873
Ion Ratio Lower Upper
163 100
194 2.7 4.4 6.6#
164 10.2 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF081545.D
Acq: 9 Sep 2015 4:41

Tgt Ion:165 Resp: 10708
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#

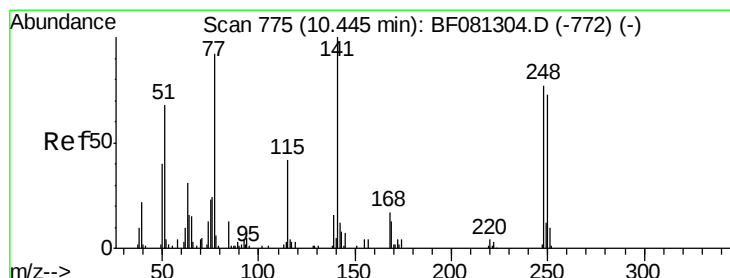
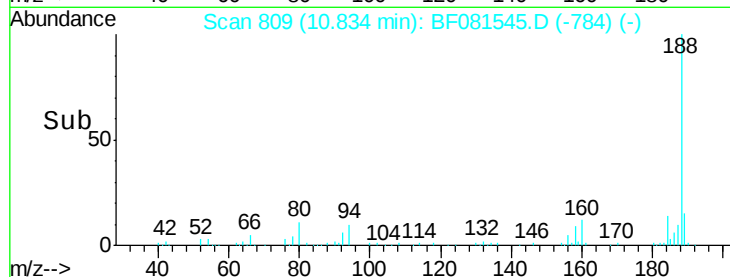
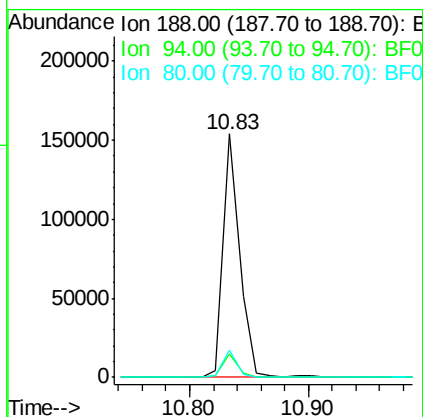
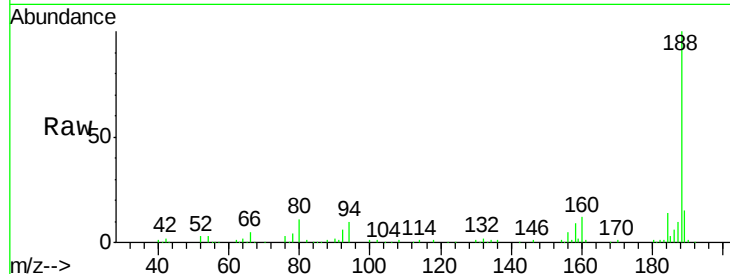




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081545.D
 Acq: 9 Sep 2015 4:41

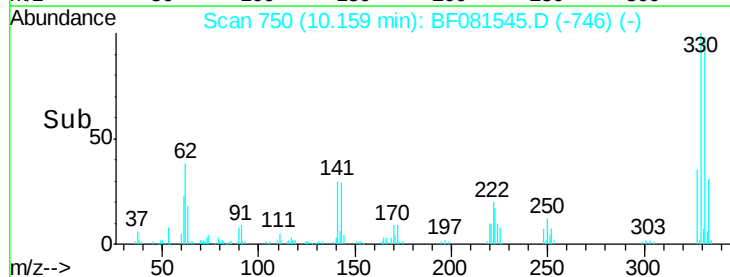
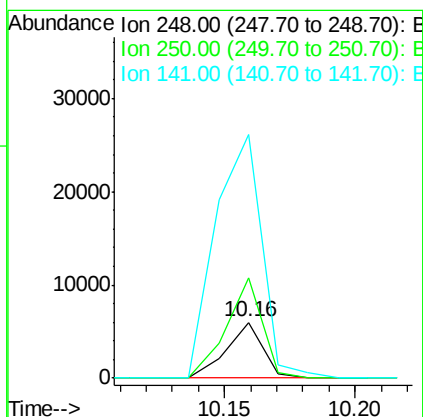
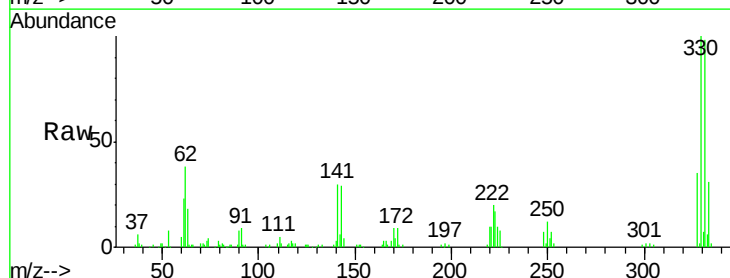
Instrument :
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 VITALE-FILL-SOURCE-4A

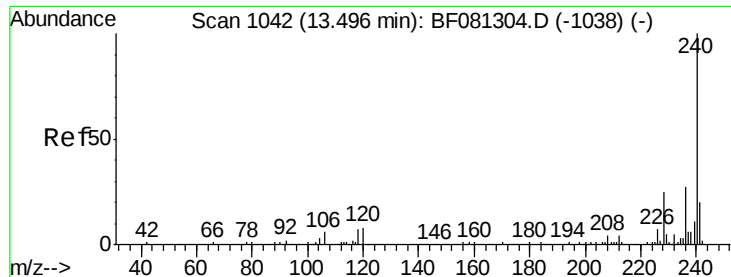
Tot Ion:188 Resp: 147885
 Ion Ratio Lower Upper
 188 100
 94 9.8 11.1 16.7#
 80 11.0 11.0 16.4



#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF081545.D
 Acq: 9 Sep 2015 4:41

Tgt Ion:248 Resp: 5824
 Ion Ratio Lower Upper
 248 100
 250 180.5 78.5 117.7#
 141 436.4 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-4A

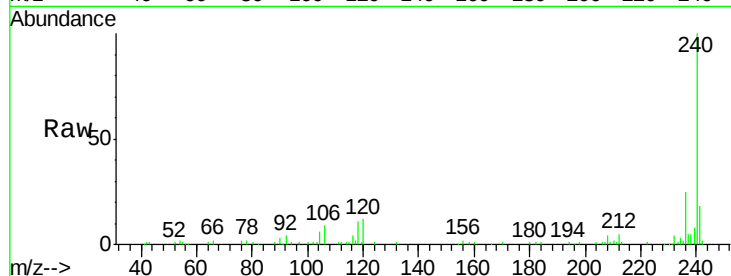
Tot Ion:240 Resp: 105940

Ion Ratio Lower Upper

240 100

120 12.0 16.2 24.2#

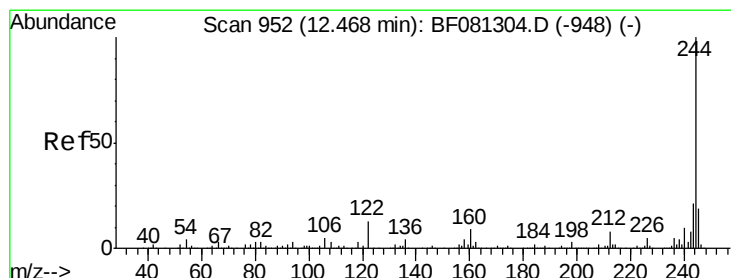
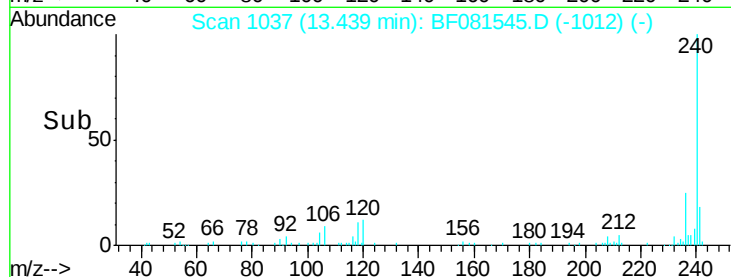
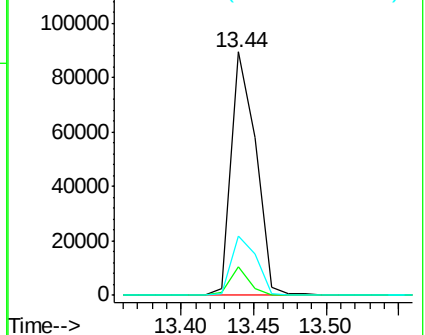
236 24.5 18.4 27.6



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: 64.28 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

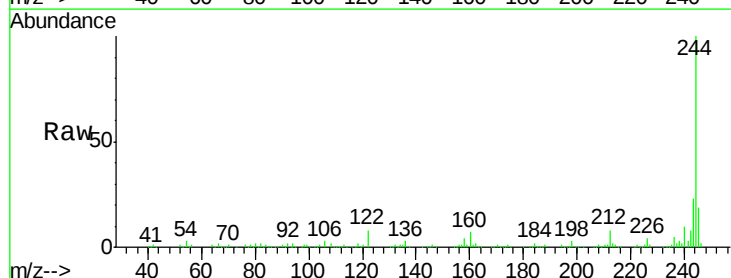
Tgt Ion:244 Resp: 292520

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

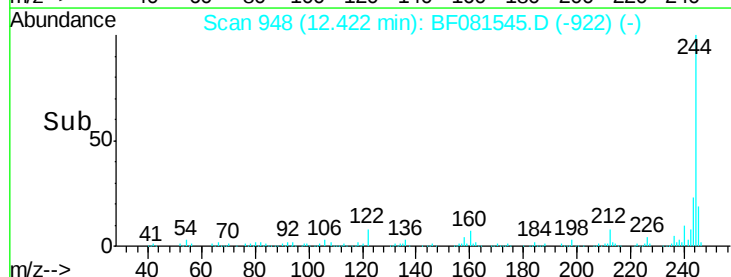
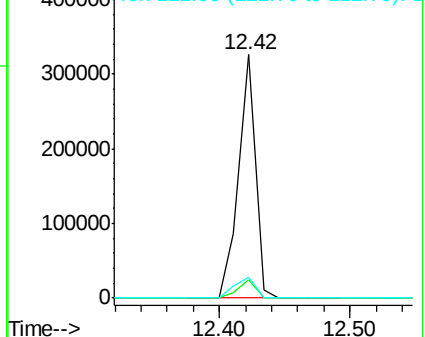
122 8.4 17.4 26.2#

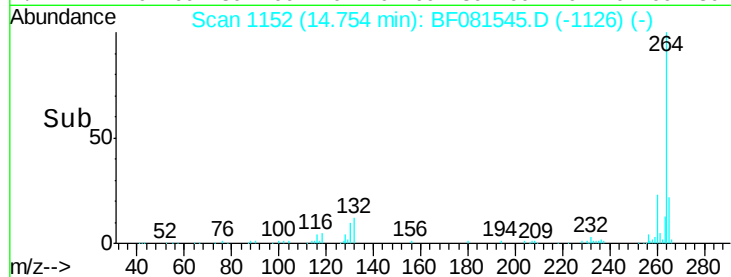
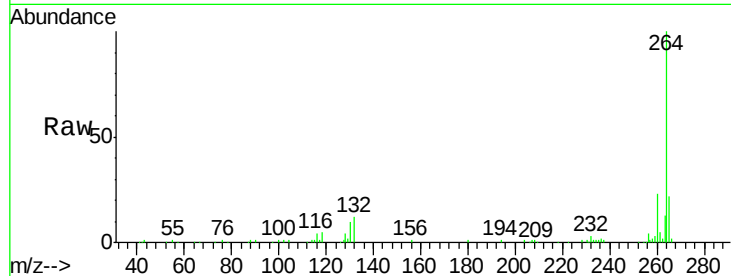
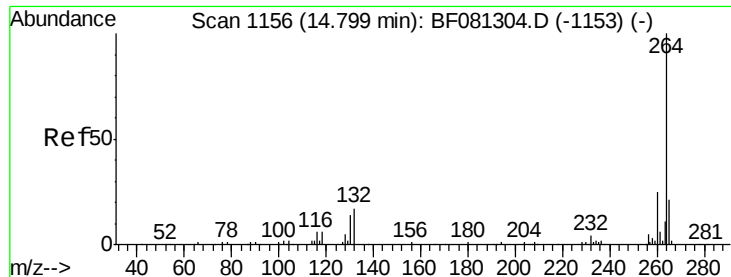


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF081545.D

Acq: 9 Sep 2015 4:41

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-4A

Tot Ion: 264 Resp: 101148

Ion Ratio Lower Upper

264 100

260 23.0 16.7 25.1

265 21.9 17.2 25.8

