

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086881.D
 Acq On : 11 May 2016 5:12
 Operator : UM/SJ
 Sample : H2916-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-2K

Quant Time: May 11 05:39:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

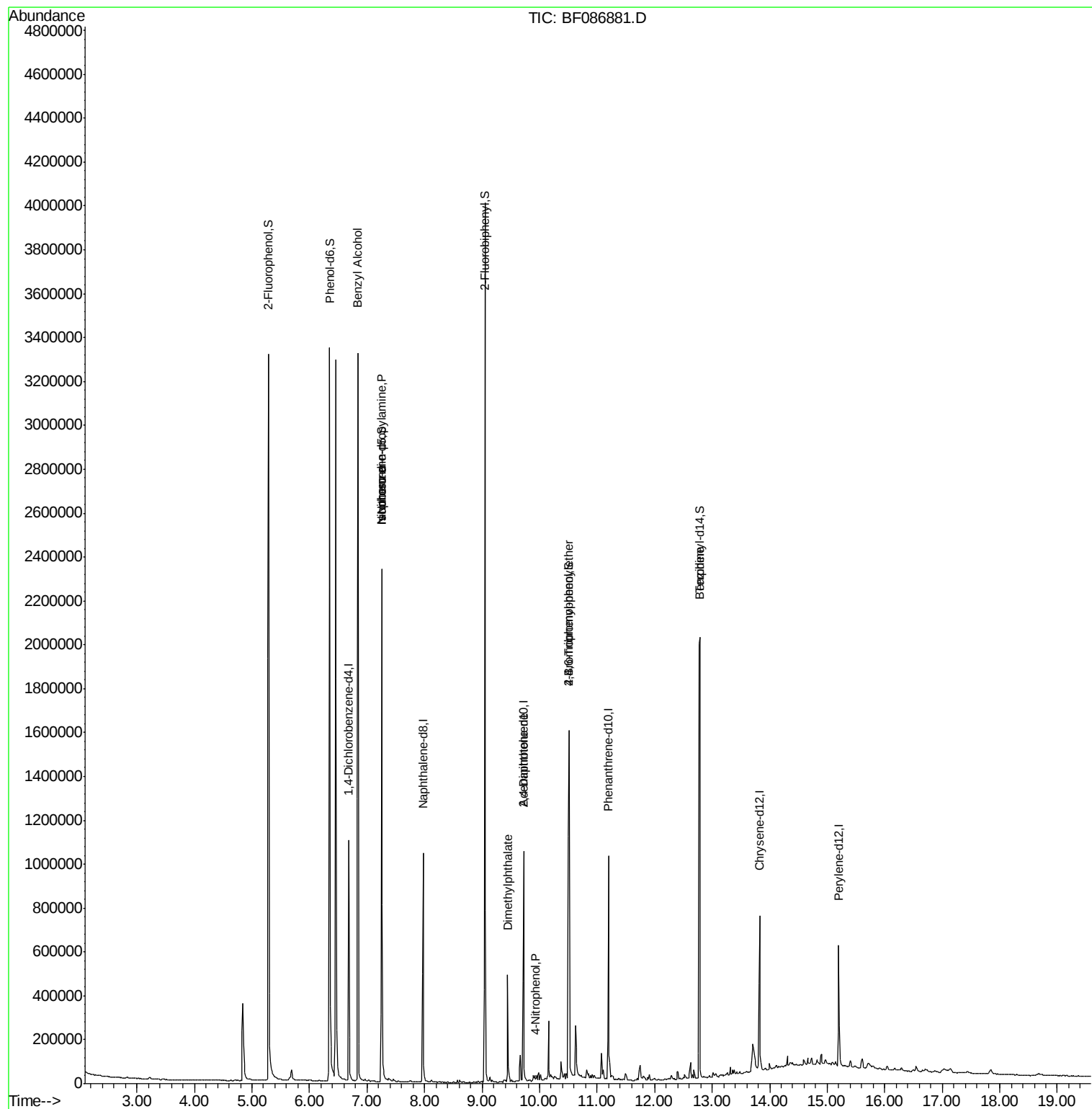
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	144625	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	525924	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	216167	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	345470	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	275706	20.00	ng	-0.01
86) Perylene-d12	15.20	264	229555	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1025353	120.07	ng	0.00
7) Phenol-d6	6.35	99	1357281	118.92	ng	-0.01
23) Nitrobenzene-d5	7.25	82	777435	74.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	237038	103.58	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1136173	88.34	ng	-0.01
78) Terphenyl-d14	12.78	244	916834	70.56	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	6.84	79	16251	2.06	ng	# 42
19) n-Nitroso-di-n-propylamine	7.25	70	108600	13.62	ng	# 69
25) Isophorone	7.25	82	701202	36.08	ng	# 68
49) Dimethylphthalate	9.45	163	165181	10.02	ng	100
55) 4-Nitrophenol	9.93	139	252	4.66	ng	# 14
56) 2,4-Dinitrotoluene	9.72	165	27914	6.50	ng	# 16
66) 4-Bromophenyl-phenylether	10.51	248	14806	4.23	ng	# 1
76) Benzidine	12.77	184	14065	2.00	ng	98

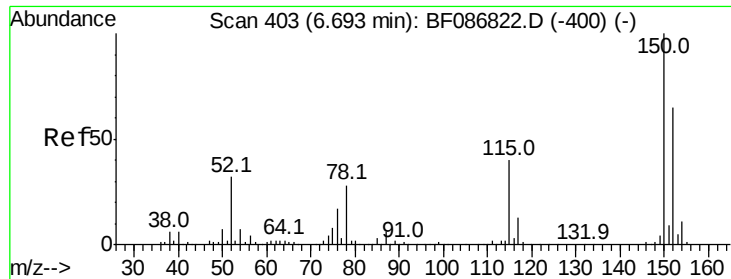
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

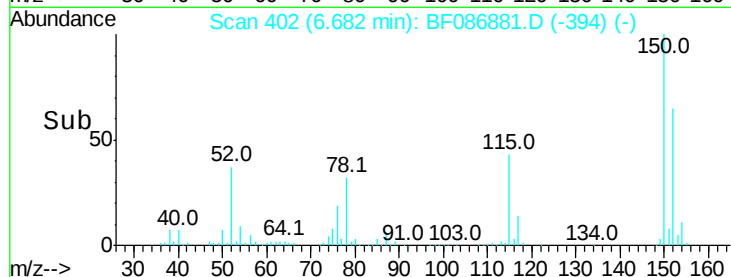
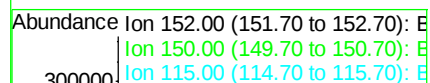
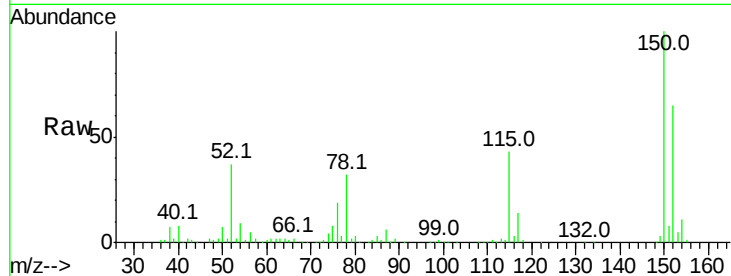
Tot Ion:152 Resp: 144625

Ion Ratio Lower Upper

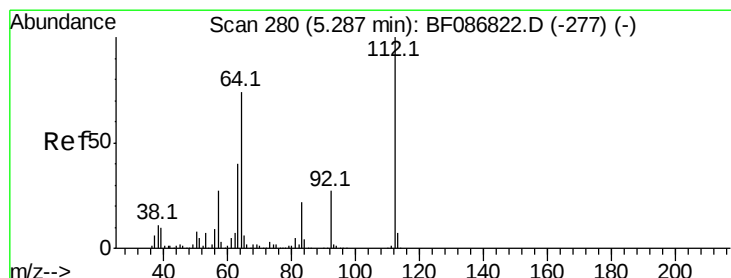
152 100

150 153.4 125.8 188.6

115 65.8 51.5 77.3



Time-->



#5

2-Fluorophenol

Concen: 120.07 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

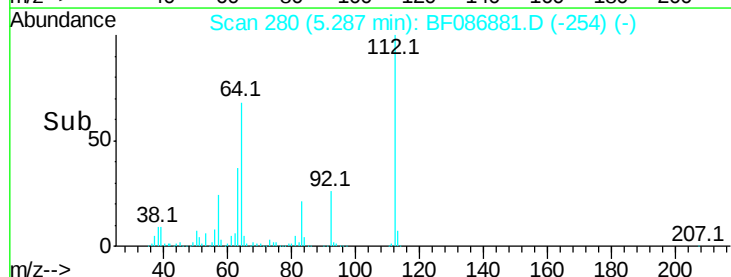
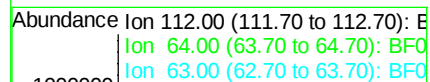
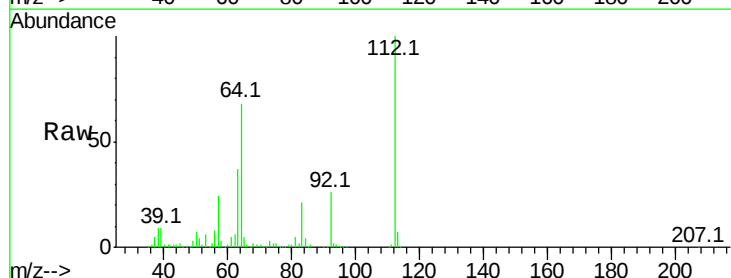
Tgt Ion:112 Resp: 1025353

Ion Ratio Lower Upper

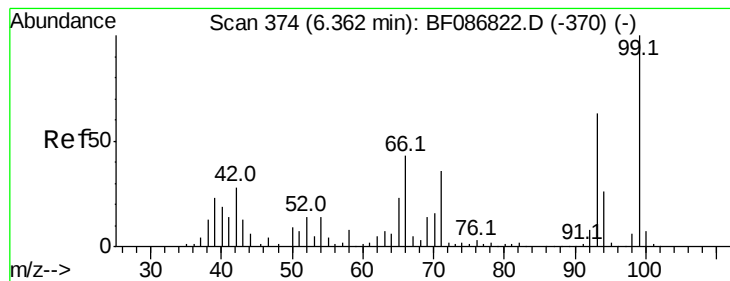
112 100

64 67.5 52.1 78.1

63 36.6 25.7 38.5



Time-->



#7

Phenol-d6

Concen: 118.92 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

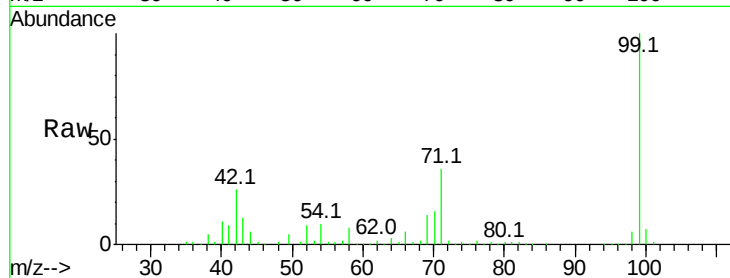
BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

Tot Ion: 99 Resp: 1357281

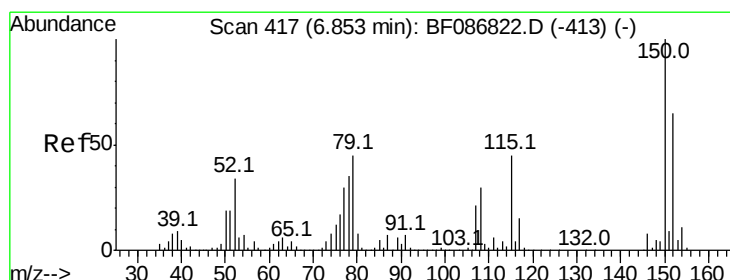
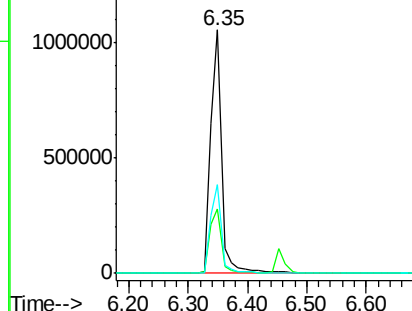
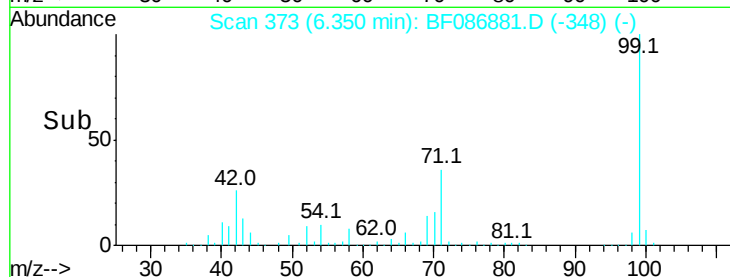
Ion	Ratio	Lower	Upper
99	100		
42	26.4	13.6	20.4#
71	36.3	24.6	36.8



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



#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.84 min Scan# 416

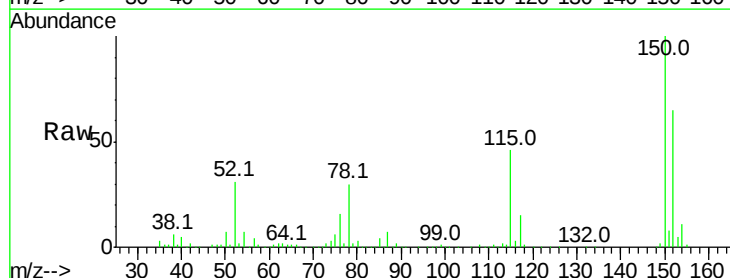
Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Tgt Ion: 79 Resp: 16251

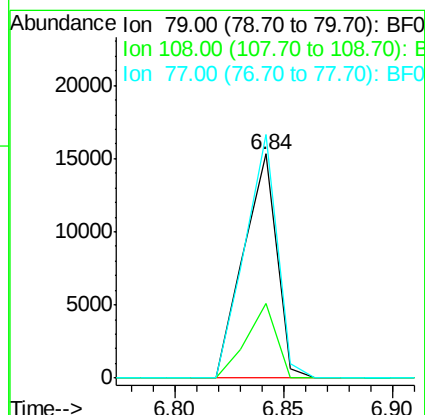
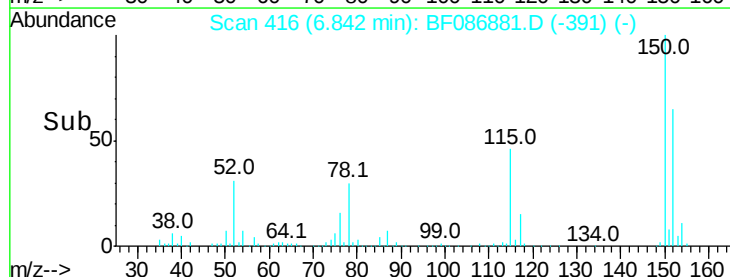
Ion	Ratio	Lower	Upper
79	100		
108	33.1	68.4	102.6#
77	108.7	50.6	76.0#

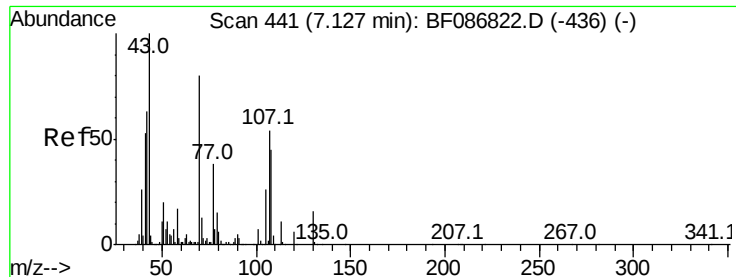


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.62 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.13 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

Tot Ion: 70 Resp: 108600

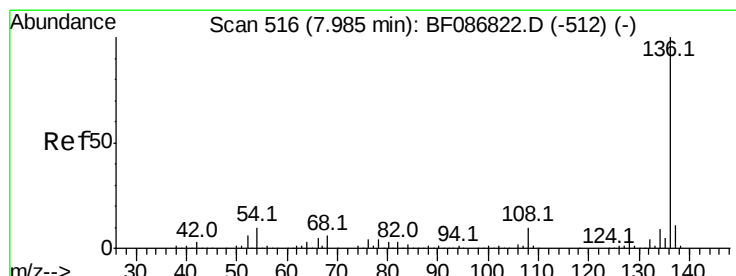
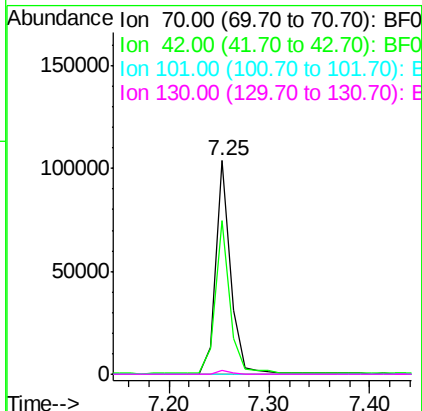
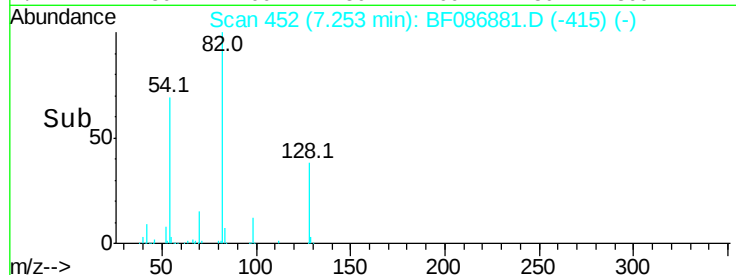
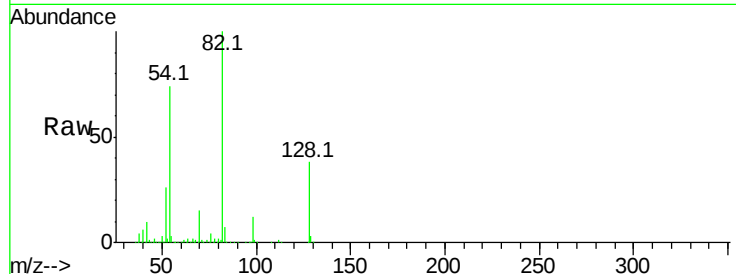
Ion Ratio Lower Upper

70 100

42 72.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Tgt Ion: 136 Resp: 525924

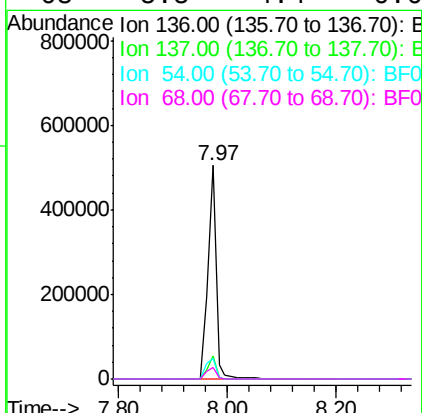
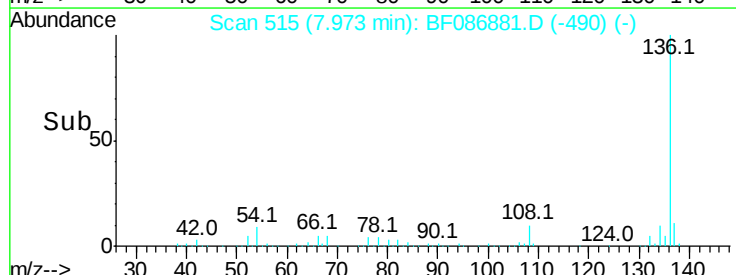
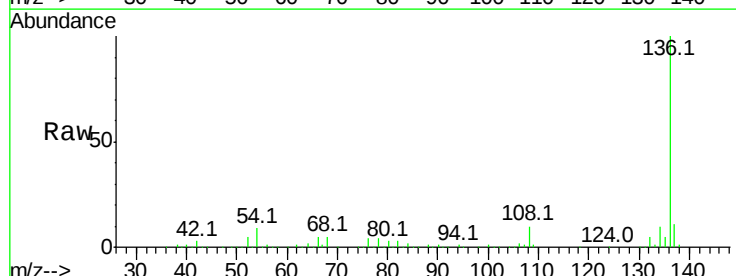
Ion Ratio Lower Upper

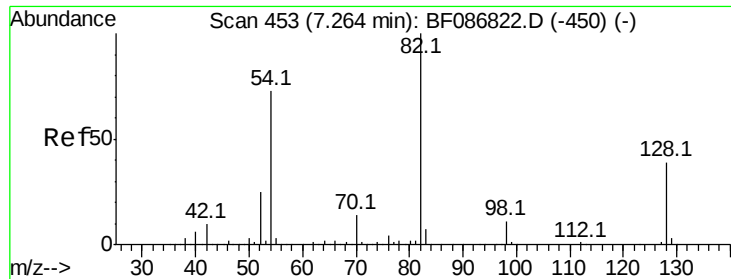
136 100

137 10.7 8.8 13.2

54 9.5 5.0 7.4#

68 5.5 4.4 6.6

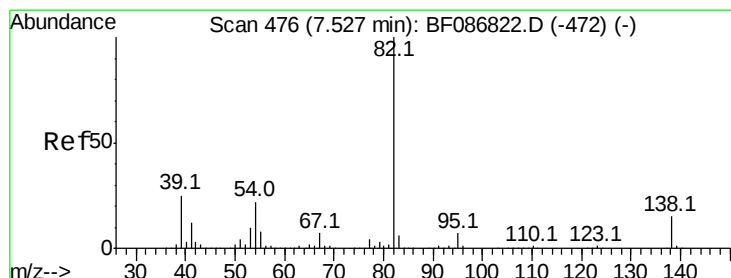
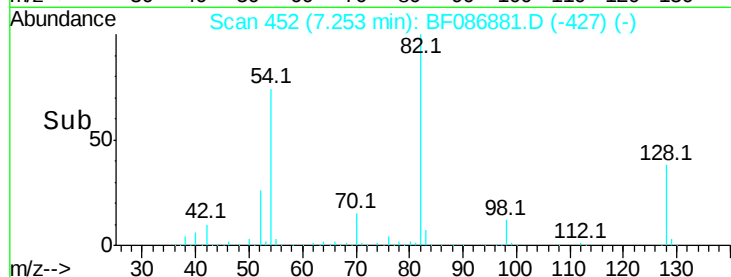
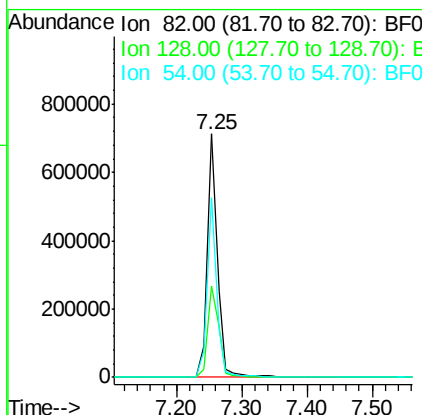
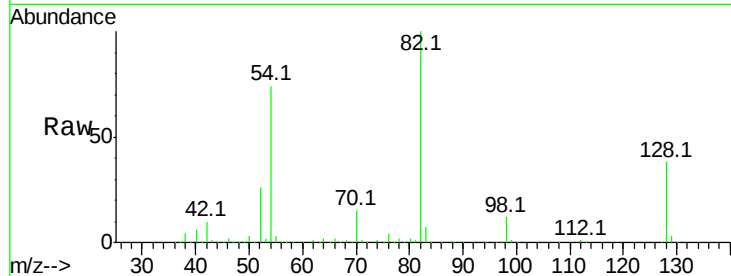




#23
 Nitrobenzene-d5
 Concen: 74.23 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

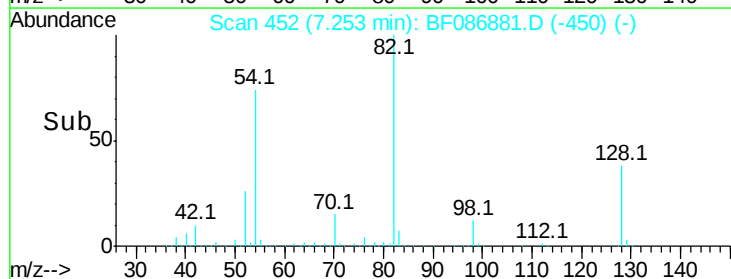
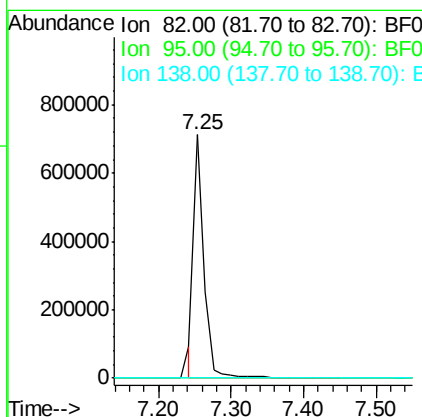
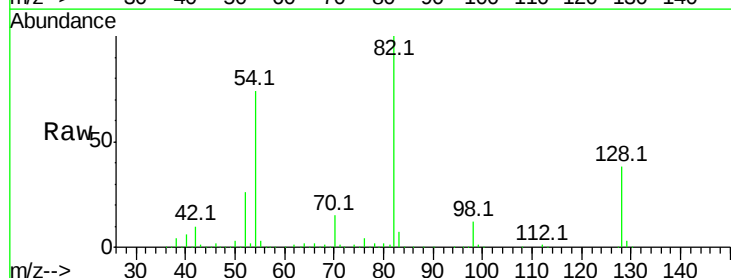
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-2K

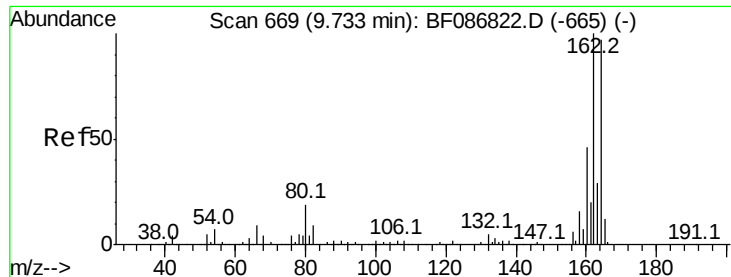
Tot Ion	Ratio	Lower	Upper
82	100		
128	37.5	40.6	61.0#
54	73.6	38.1	57.1#



#25
 Isophorone
 Concen: 36.08 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.27 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

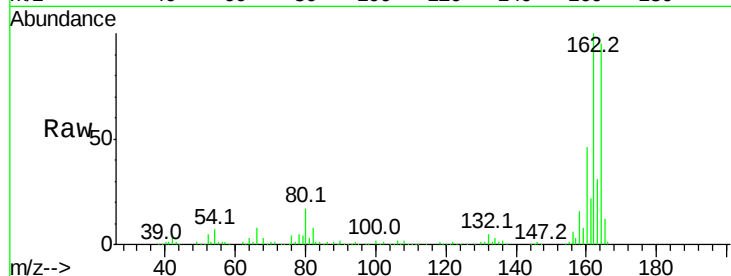




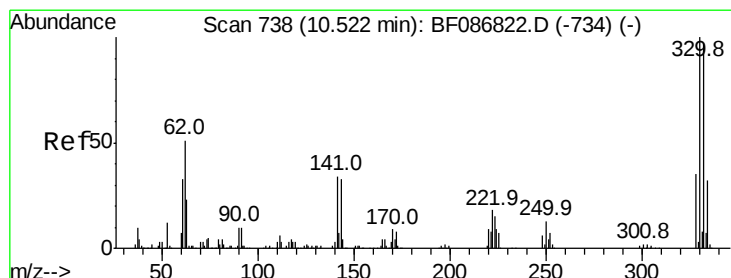
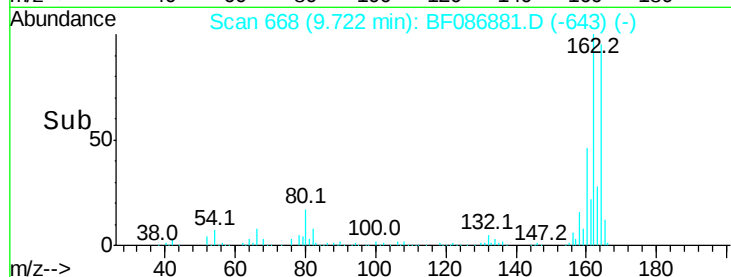
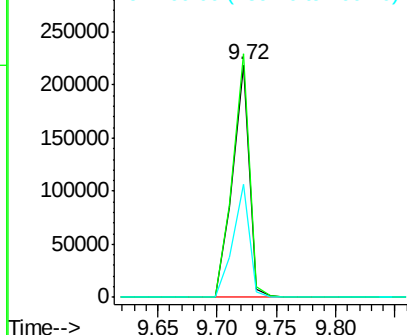
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086881.D
Acq: 11 May 2016 5:12

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-2K

Tot Ion:164 Resp: 216167
Ion Ratio Lower Upper
164 100
162 104.8 82.8 124.2
160 48.6 36.9 55.3

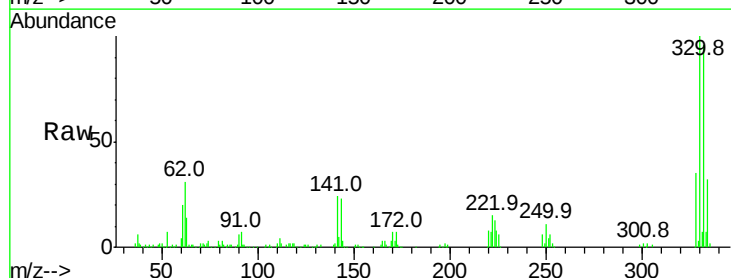


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

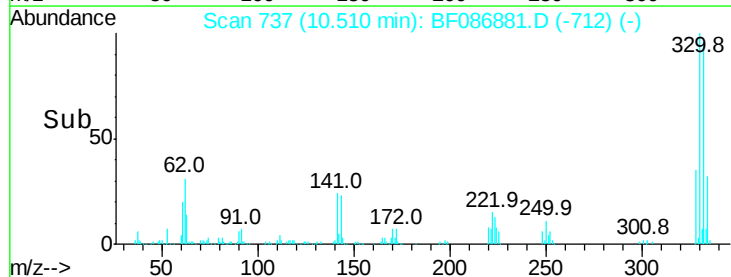
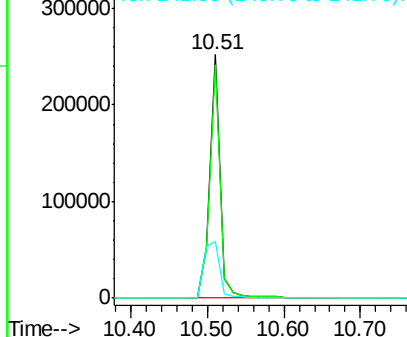


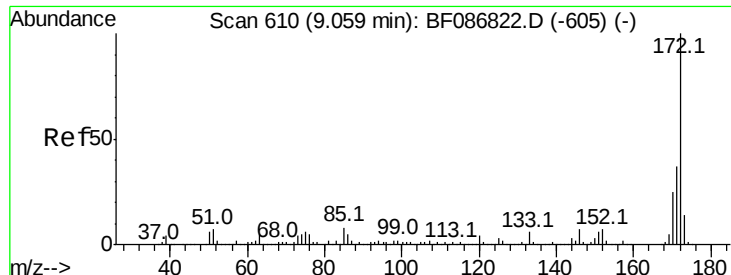
#41
2,4,6-Tribromophenol
Concen: 103.58 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF086881.D
Acq: 11 May 2016 5:12

Tgt Ion:330 Resp: 237038
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.4
141 35.9 31.2 46.8



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



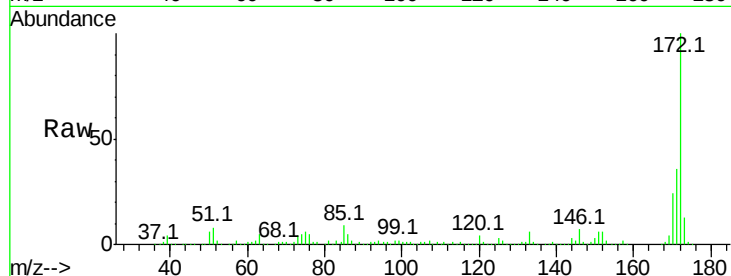


#44
 2-Fluorobiphenyl
 Concen: 88.34 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

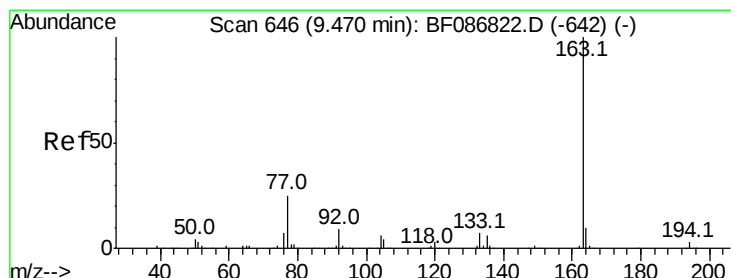
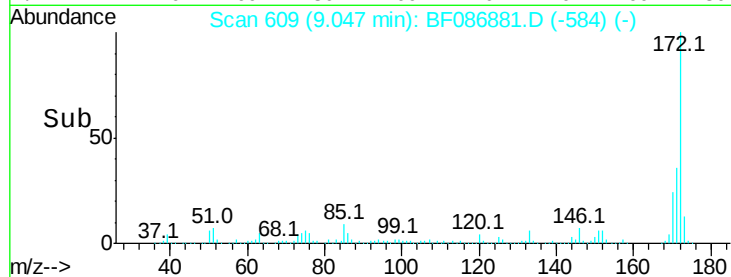
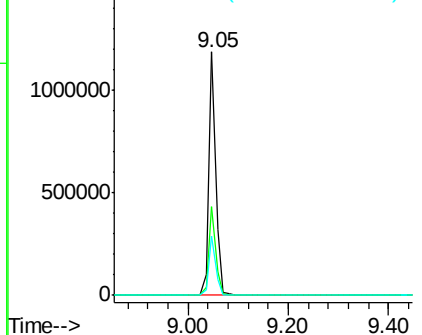
Instrument :
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Tot Ion:172 Resp: 1136173

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.2	19.8	29.8



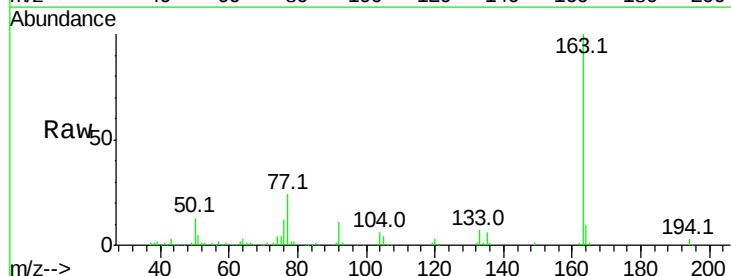
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



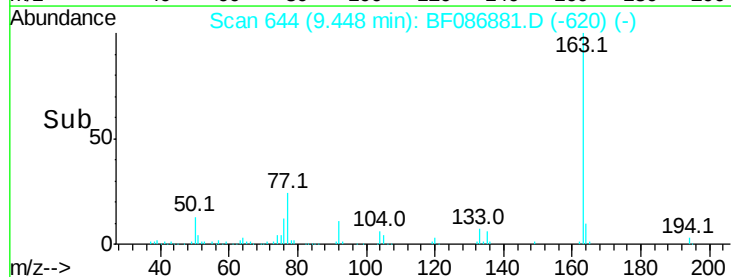
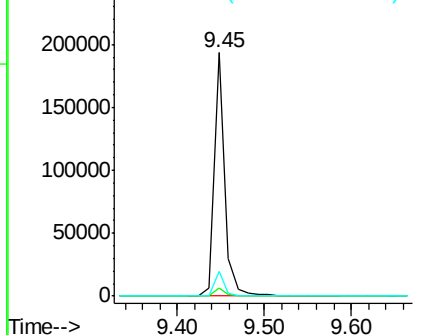
#49
 Dimethylphthalate
 Concen: 10.02 ng
 RT: 9.45 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

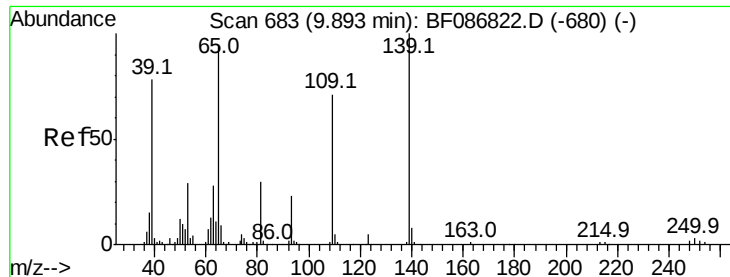
Tgt Ion:163 Resp: 165181

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.2	12.4



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: 4.66 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.03 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

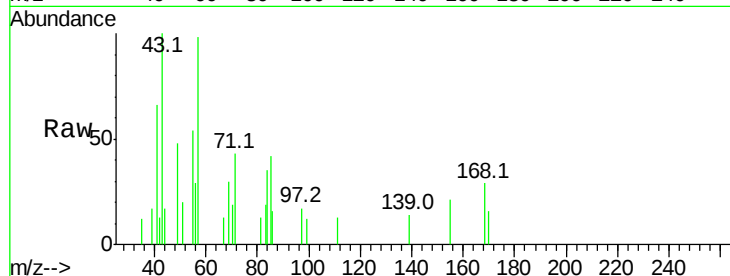
Tot Ion:139 Resp: 252

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

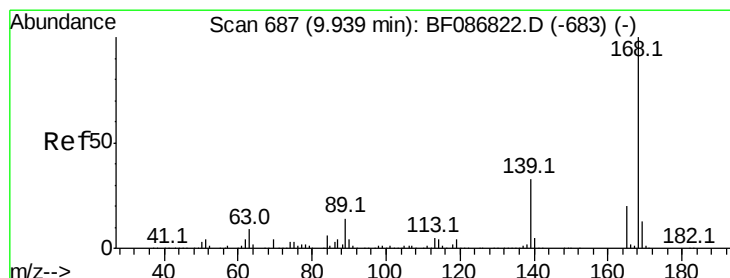
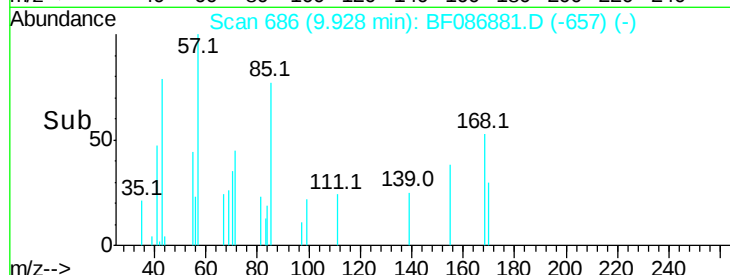
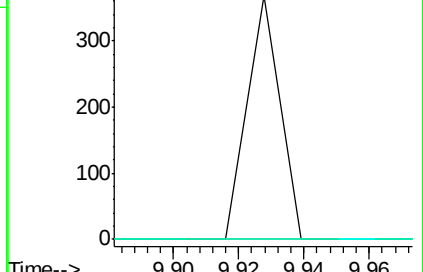
65 0.0 64.0 104.0#



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): E



#56

2,4-Dinitrotoluene

Concen: 6.50 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.22 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Tgt Ion:165 Resp: 27914

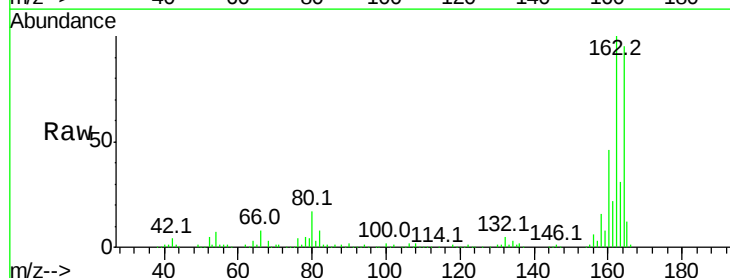
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 2.2 70.0 105.0#

182 0.0 1.8 2.6#

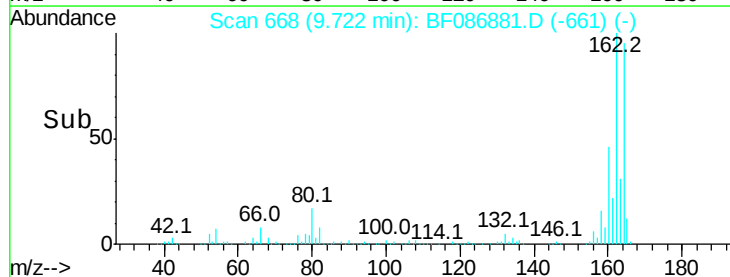
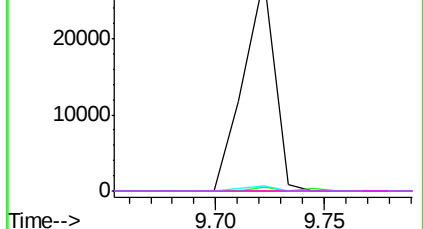


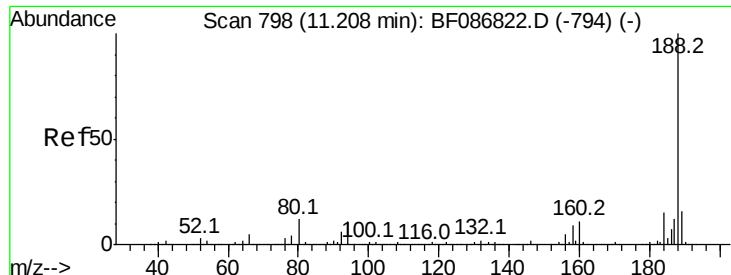
Abundance Ion 165.00 (164.70 to 165.70): E

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

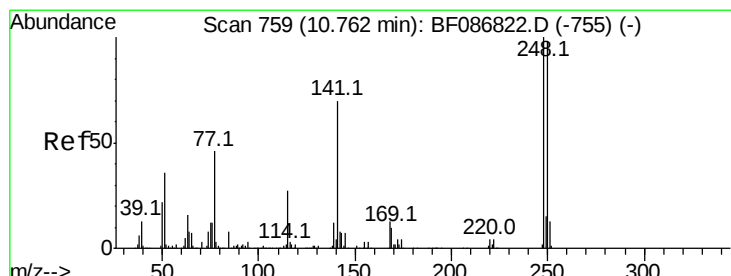
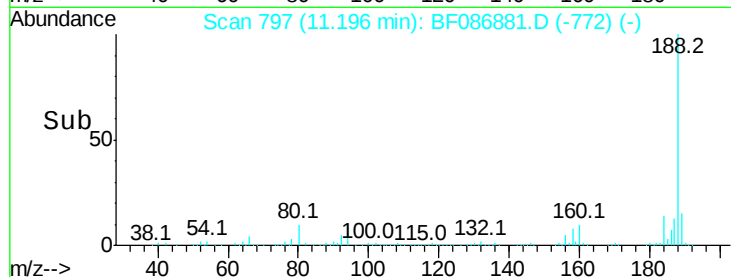
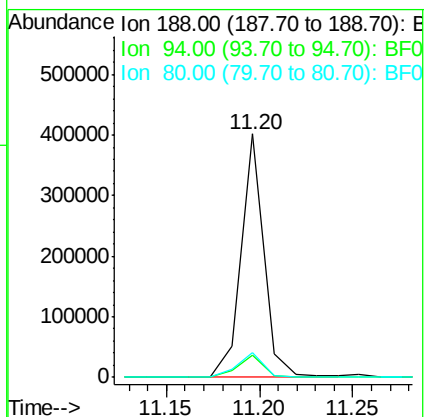
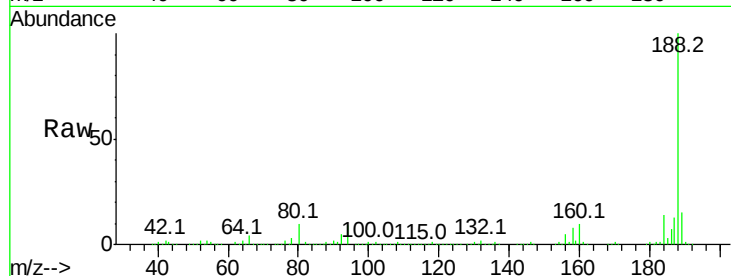




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

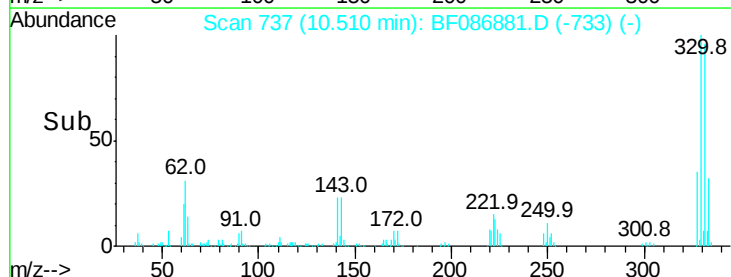
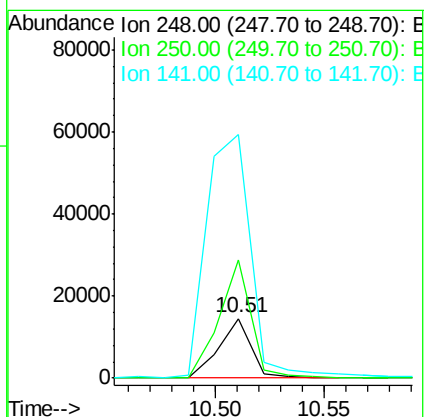
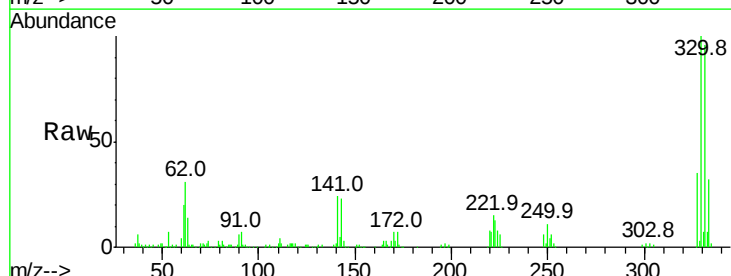
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-2K

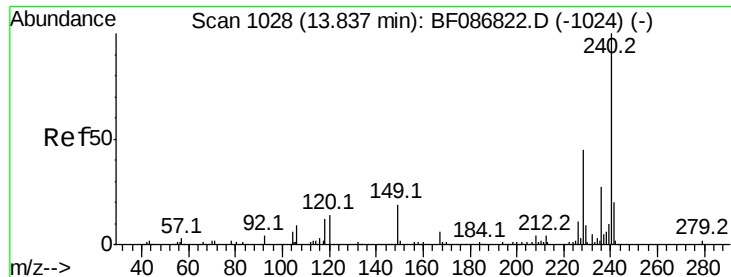
Tot Ion:188 Resp: 345470
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.8 10.2
 80 9.9 7.1 10.7



#66
 4-Bromophenyl-phenylether
 Concen: 4.23 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.25 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

Tgt Ion:248 Resp: 14806
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.6 117.8#
 141 407.7 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-2K

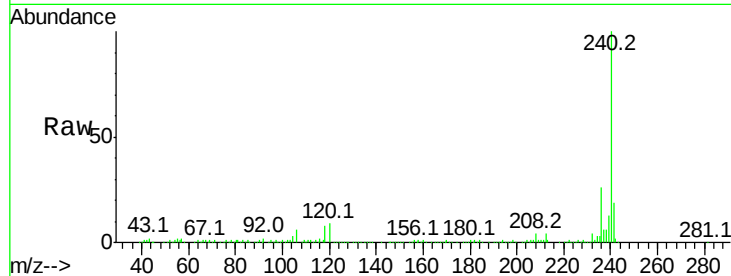
Tot Ion:240 Resp: 275706

Ion Ratio Lower Upper

240 100

120 8.7 11.2 16.8#

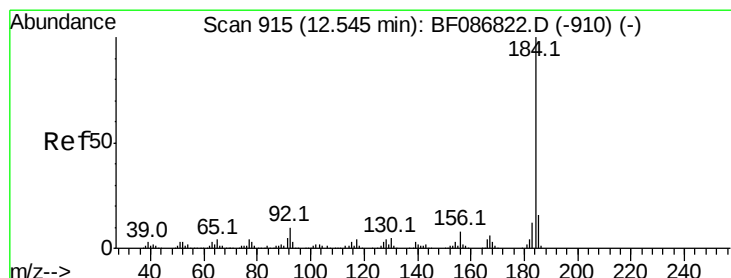
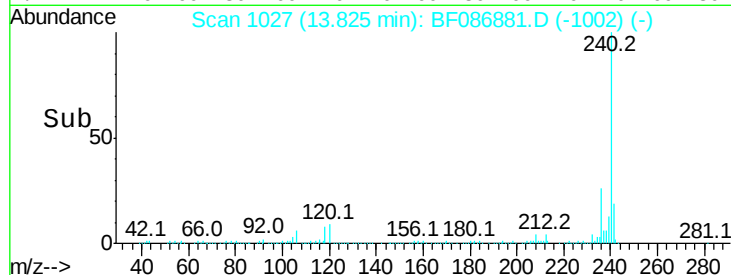
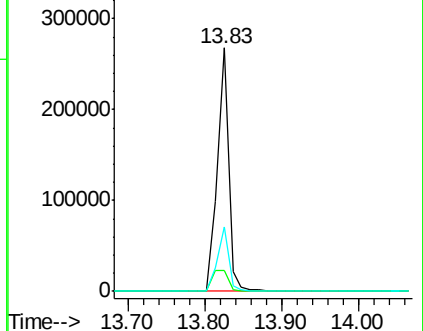
236 26.2 21.2 31.8



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: 2.00 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.23 min

Lab File: BF086881.D

Acq: 11 May 2016 5:12

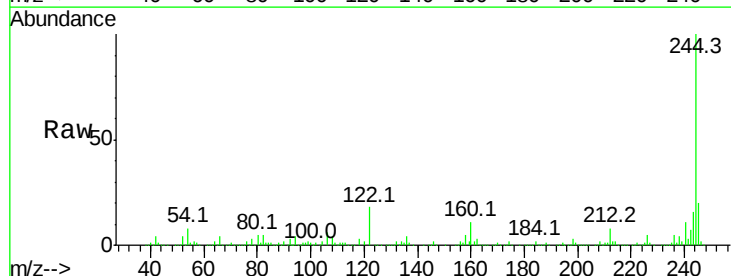
Tgt Ion:184 Resp: 14065

Ion Ratio Lower Upper

184 100

185 18.4 13.6 20.4

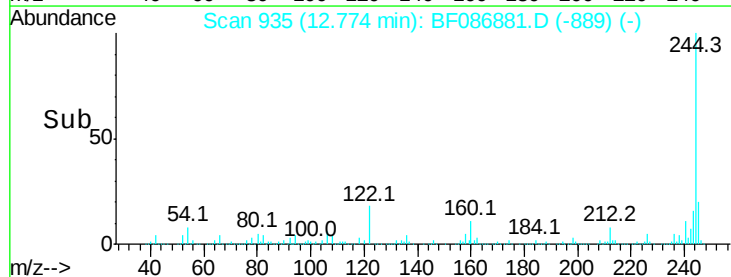
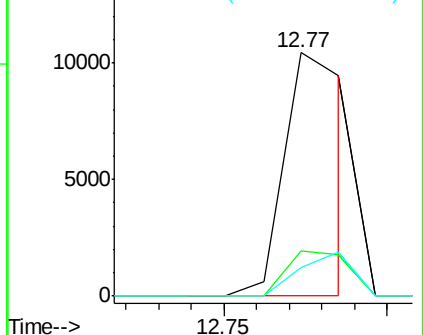
183 11.7 9.8 14.6

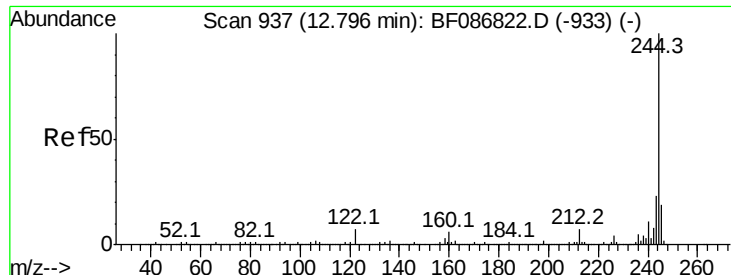


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

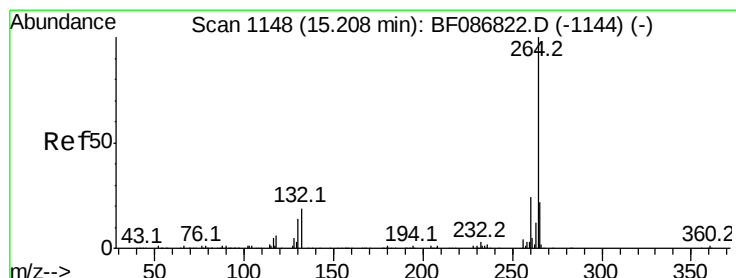
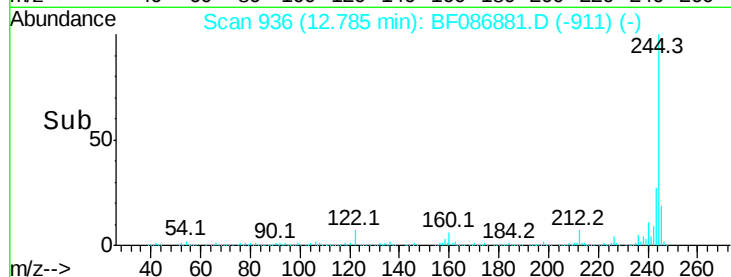
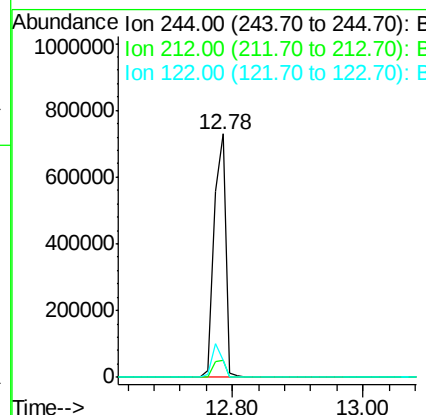
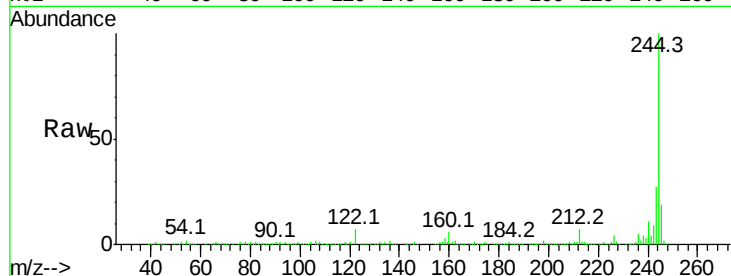




#78
 Terphenyl-d14
 Concen: 70.56 ng
 RT: 12.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-2K

Tot Ion:244 Resp: 916834
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 6.9 12.0 18.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF086881.D
 Acq: 11 May 2016 5:12

Tgt Ion:264 Resp: 229555
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.6 17.3 25.9

