

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081140.D
 Acq On : 20 Aug 2015 23:17
 Operator : UM/IZ
 Sample : G3312-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1B

Quant Time: Aug 21 01:39:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

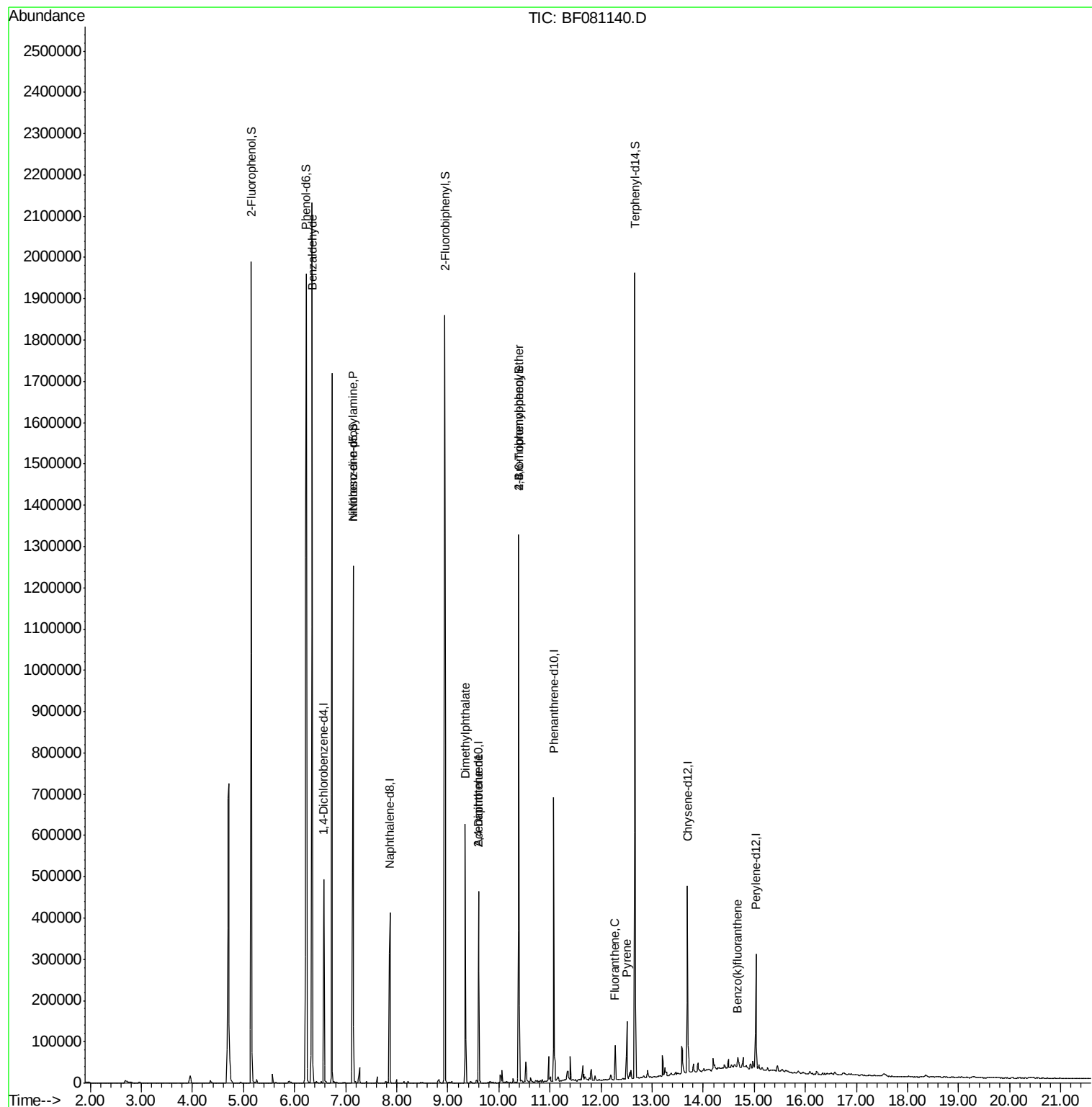
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	63325	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	245723	20.00	ng	-0.01
38) Acenaphthene-d10	9.60	164	106995	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	224607	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	154412	20.00	ng	-0.01
86) Perylene-d12	15.03	264	103954	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	544230	129.27	ng	0.01
7) Phenol-d6	6.23	99	811878	147.80	ng	0.00
23) Nitrobenzene-d5	7.14	82	441261	82.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.39	330	118357	127.61	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	707603	86.65	ng	-0.02
78) Terphenyl-d14	12.67	244	573619	79.64	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	15774	4.45	ng	81
19) n-Nitroso-di-n-propylamine	7.14	70	60145	15.81	ng	# 69
49) Dimethylphthalate	9.34	163	226243	25.68	ng	100
56) 2,4-Dinitrotoluene	9.60	165	13632	5.44	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	9018	4.09	ng	# 1
74) Fluoranthene	12.28	202	31994	2.23	ng	94
77) Pyrene	12.51	202	26326	2.10	ng	98
88) Benzo(k)fluoranthene	14.68	252	14668	2.14	ng	# 95

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

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QLast Update : Thu Aug 20 11:22:13 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1B

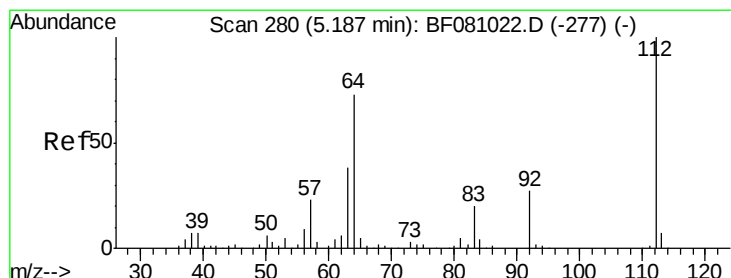
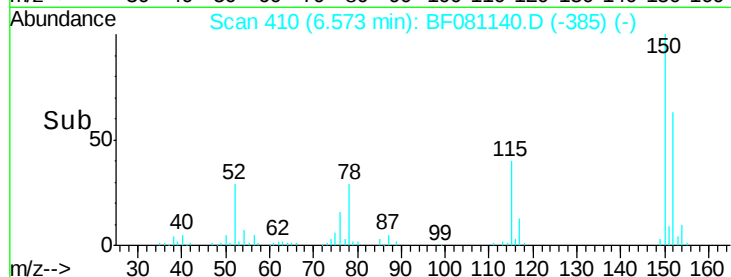
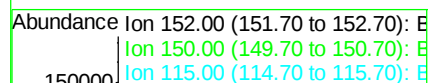
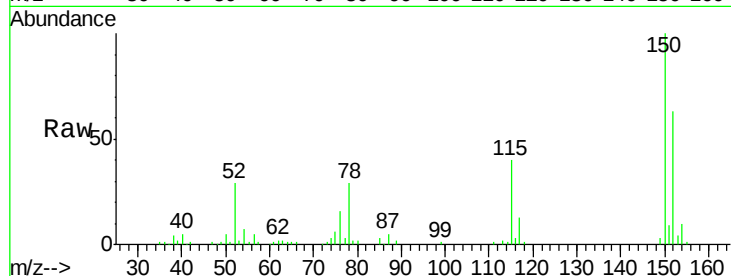
Tot Ion:152 Resp: 63325

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.6

115 64.0 52.1 78.1



#5

2-Fluorophenol

Concen: 129.27 ng

RT: 5.16 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

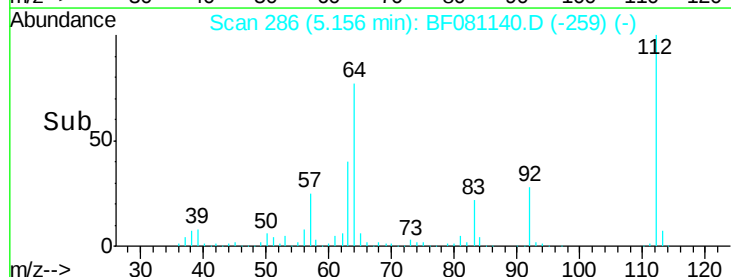
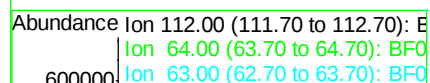
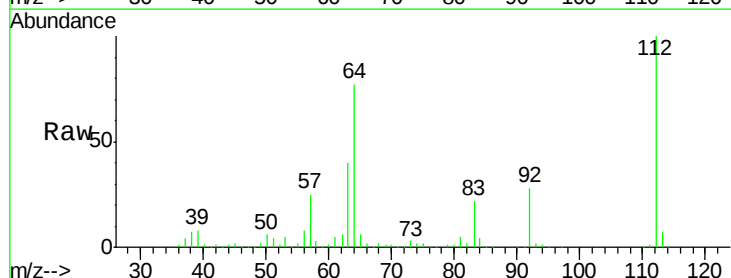
Tgt Ion:112 Resp: 544230

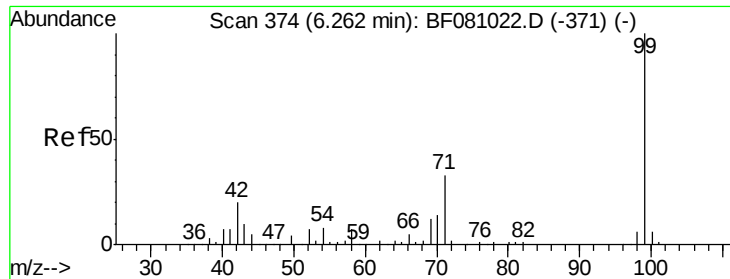
Ion Ratio Lower Upper

112 100

64 76.6 66.9 100.3

63 40.4 38.1 57.1





#7

Phenol-d6

Concen: 147.80 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1B

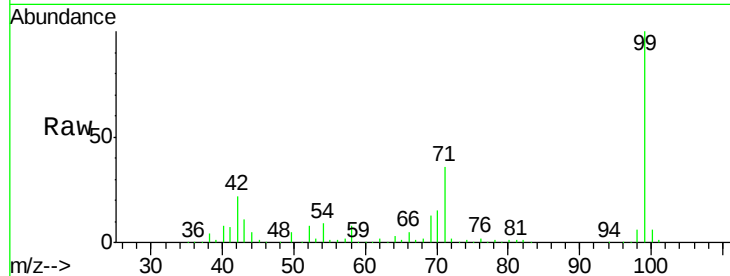
Tot Ion: 99 Resp: 811878

Ion Ratio Lower Upper

99 100

42 21.7 19.6 29.4

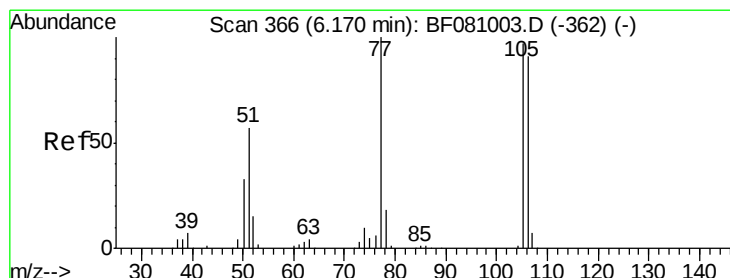
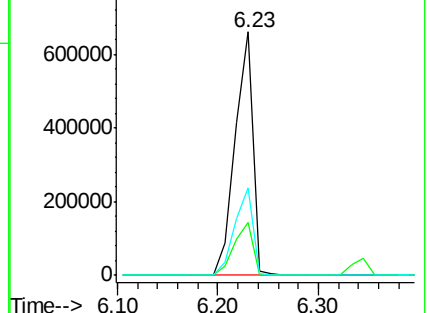
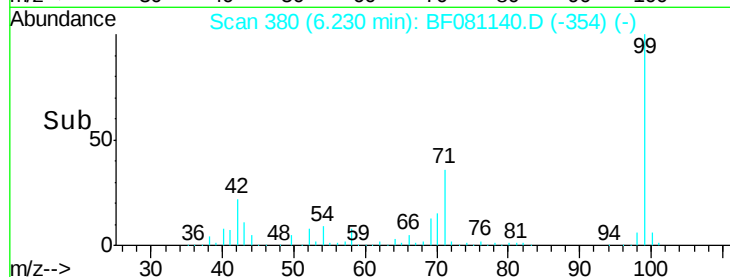
71 36.2 31.2 46.8



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



#9

Benzaldehyde

Concen: 4.45 ng

RT: 6.34 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

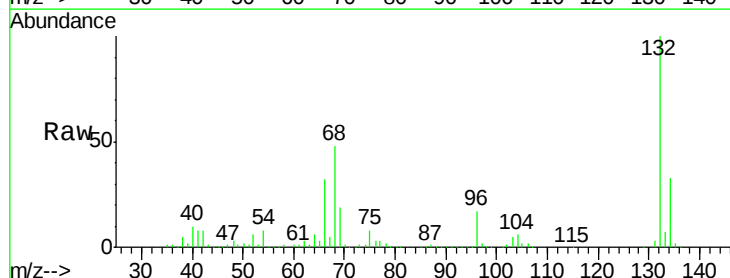
Tgt Ion: 77 Resp: 15774

Ion Ratio Lower Upper

77 100

105 74.4 69.6 109.6

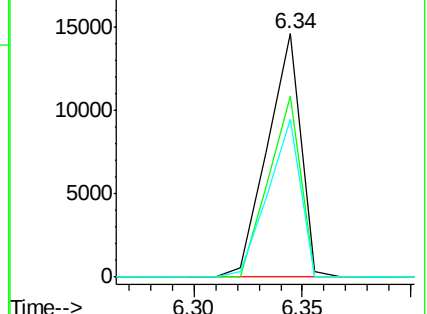
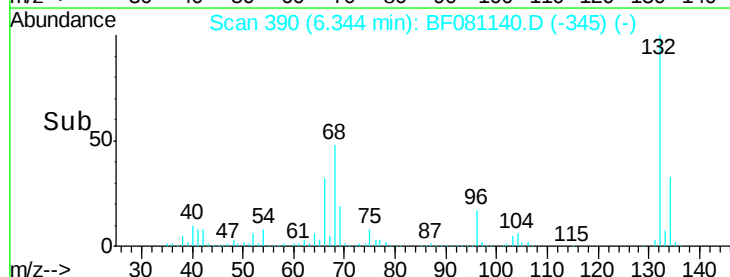
106 64.6 64.0 104.0

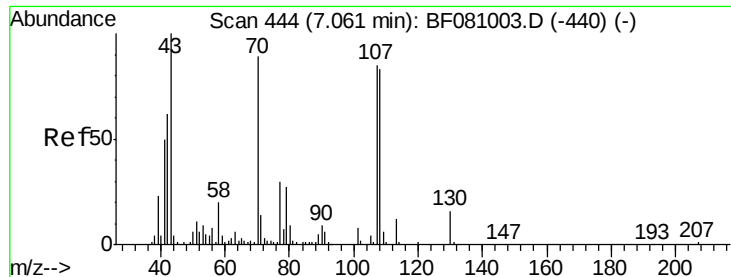


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

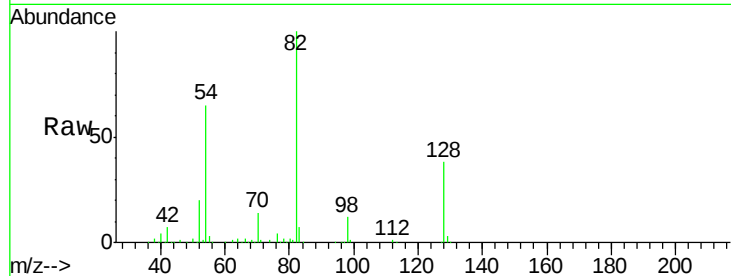




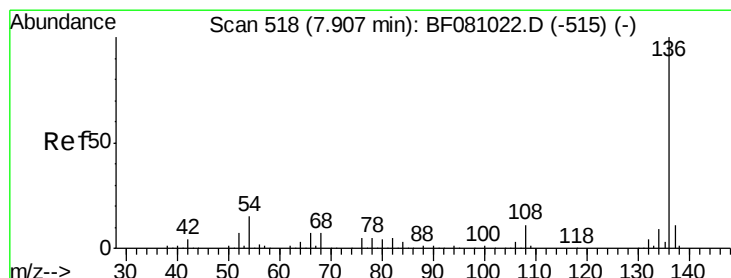
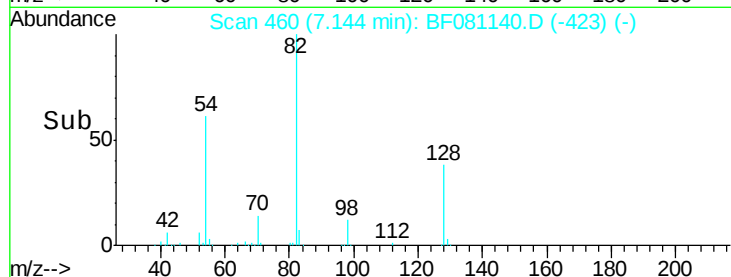
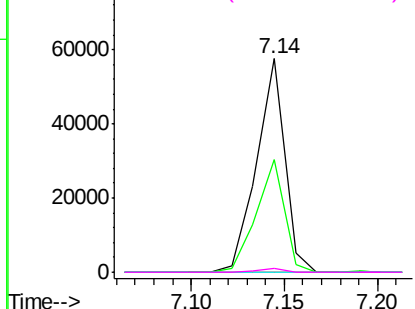
#19
n-Nitroso-di-n-propylamine
Concen: 15.81 ng
RT: 7.14 min Scan# 460
Delta R.T. 0.13 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1B

Tot Ion: 70 Resp: 60145
Ion Ratio Lower Upper
70 100
42 52.9 65.0 97.4#
101 0.0 7.4 11.2#
130 2.1 13.0 19.4#

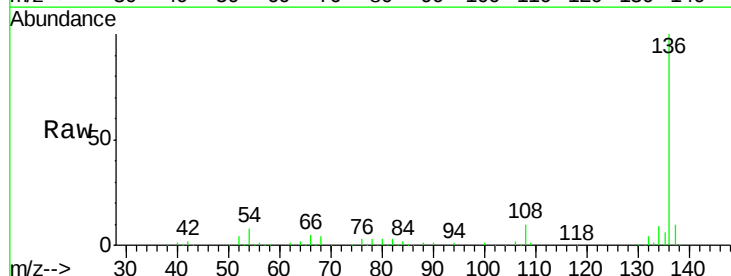


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

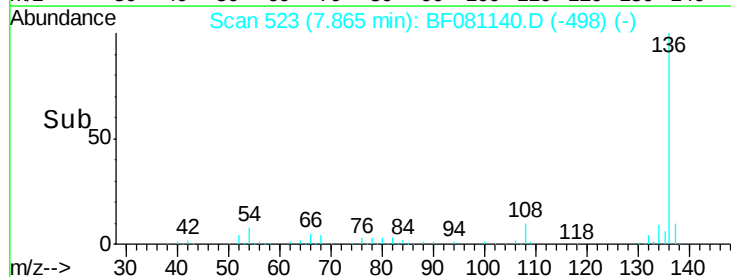
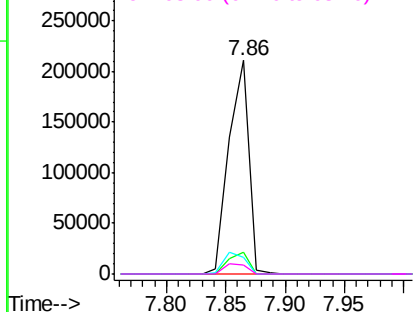


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Tgt Ion: 136 Resp: 245723
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.2
54 7.8 7.7 11.5
68 4.3 3.4 5.2



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

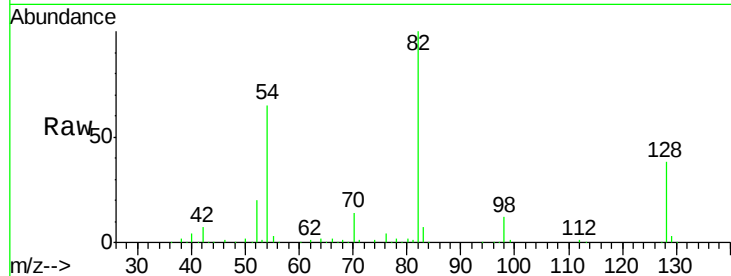




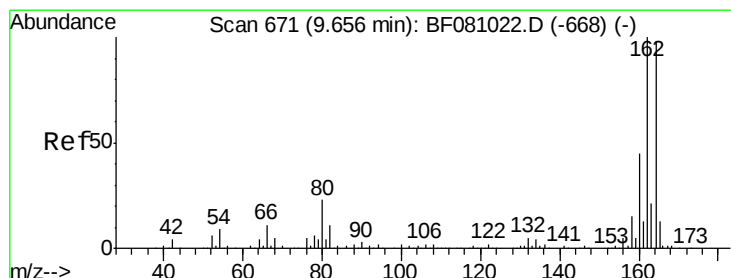
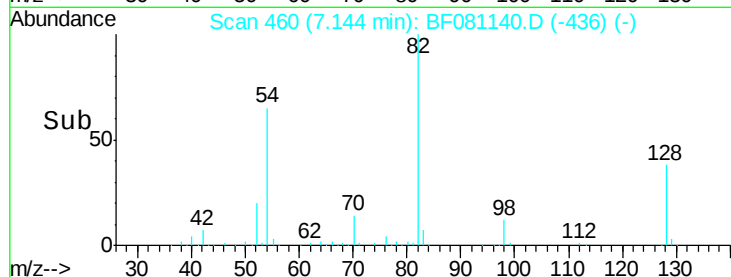
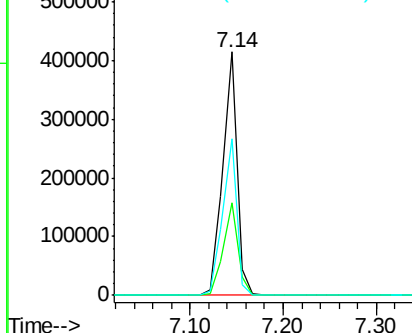
#23
 Nitrobenzene-d5
 Concen: 82.03 ng
 RT: 7.14 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1B

Tot Ion	82	Resp	441261
Ion Ratio	Lower	Upper	
82	100		
128	37.9	28.6	42.8
54	64.5	55.1	82.7

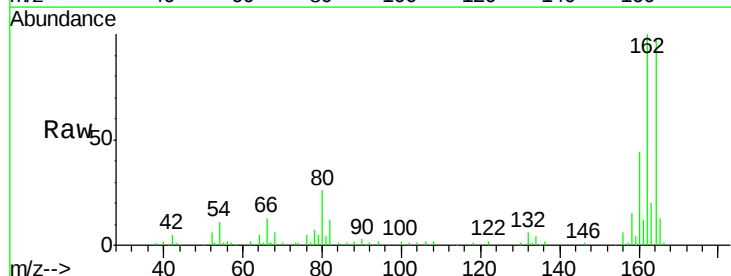


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

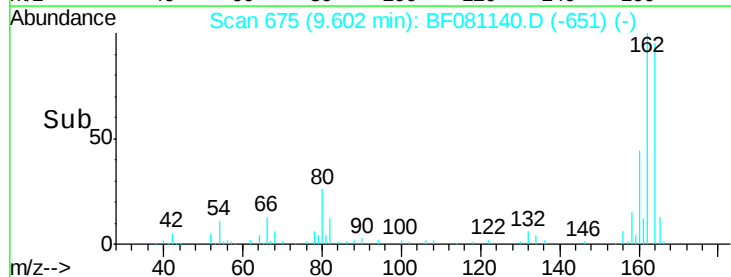
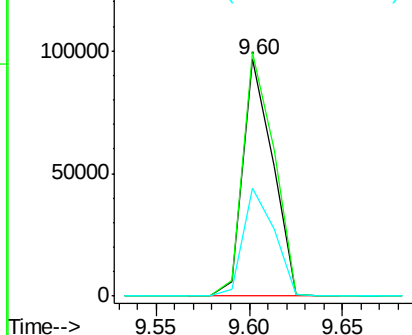


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

Tgt Ion	164	Resp	106995
Ion Ratio	Lower	Upper	
164	100		
162	102.7	83.8	125.8
160	45.7	39.8	59.8



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

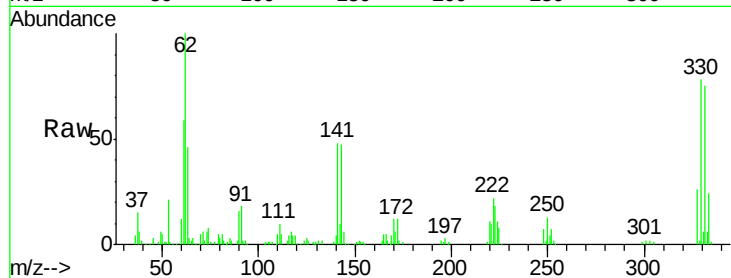




#41
 2,4,6-Tribromophenol
 Concen: 127.61 ng
 RT: 10.39 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	52.6	44.9	67.3

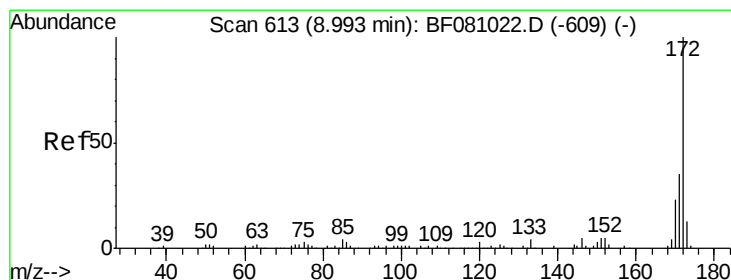
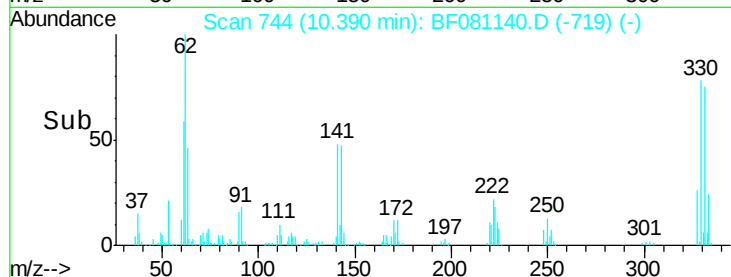
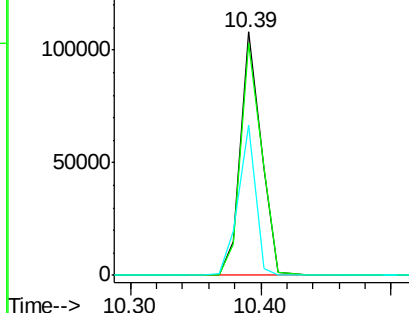


Abundance

Ion 329.80 (329.50 to 330.50): E

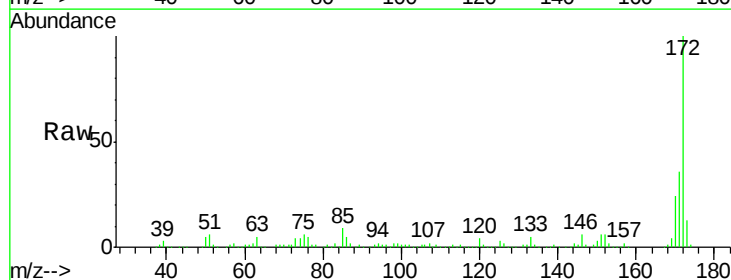
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 86.65 ng
 RT: 8.94 min Scan# 617
 Delta R.T. -0.02 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	24.1	19.4	29.2

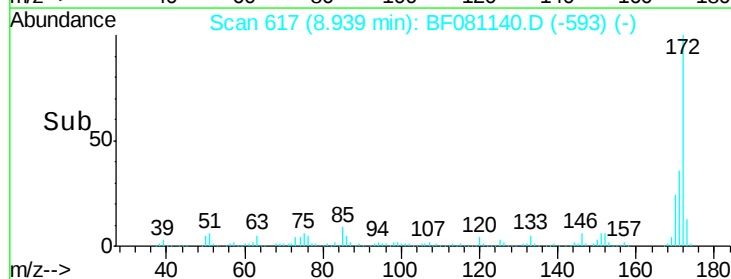
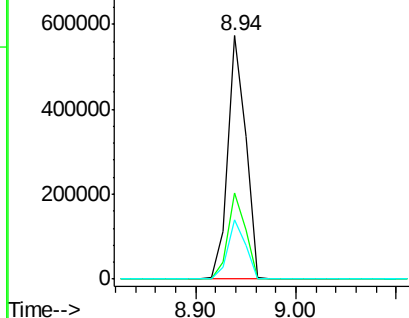


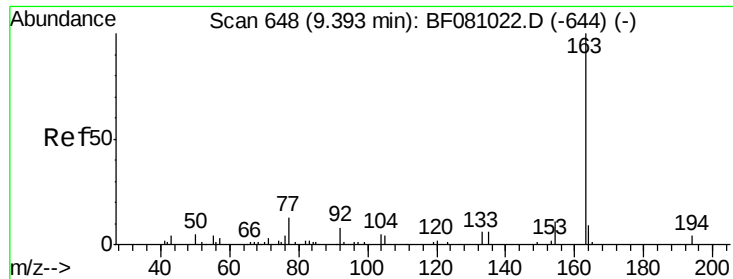
Abundance

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

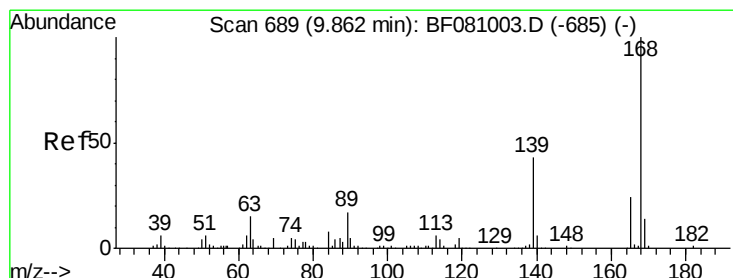
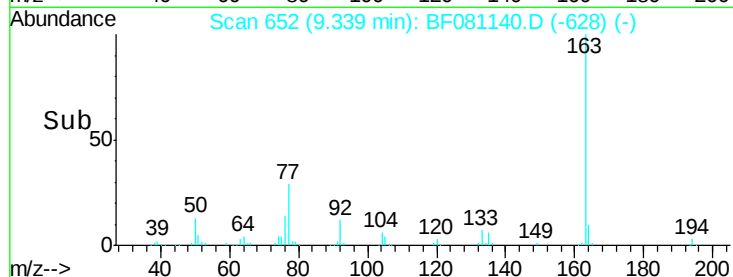
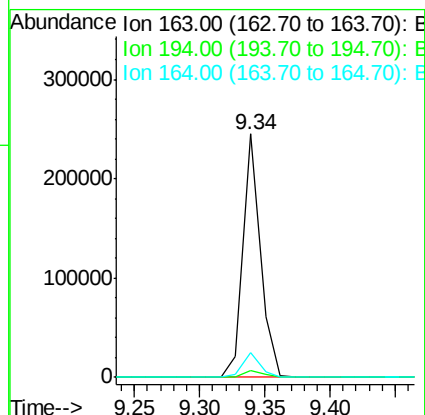
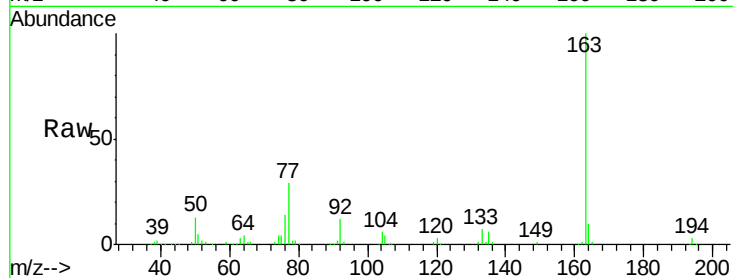




#49
Dimethylphthalate
Concen: 25.68 ng
RT: 9.34 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

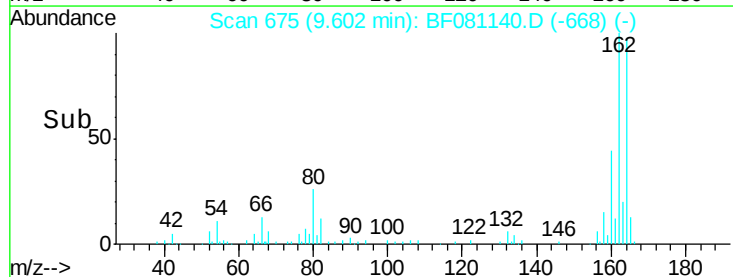
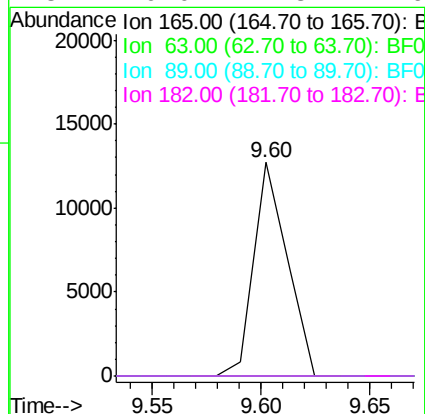
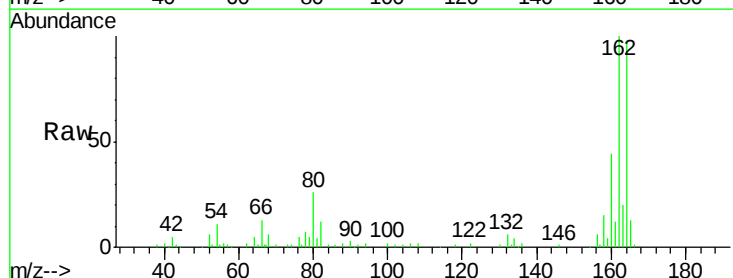
Instrument :
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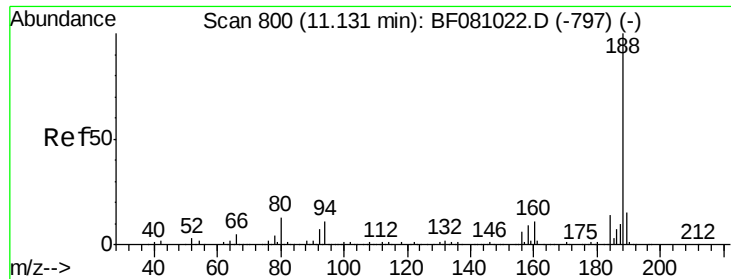
Tot Ion:163 Resp: 226243
Ion Ratio Lower Upper
163 100
194 3.0 2.5 3.7
164 10.2 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 5.44 ng
RT: 9.60 min Scan# 675
Delta R.T. -0.22 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Tgt Ion:165 Resp: 13632
Ion Ratio Lower Upper
165 100
63 0.0 52.2 78.4#
89 0.0 60.1 90.1#
182 0.0 1.8 2.6#

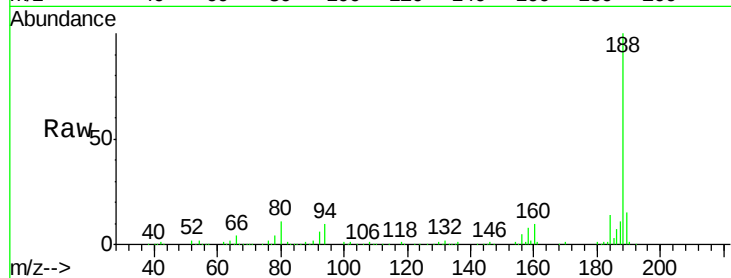




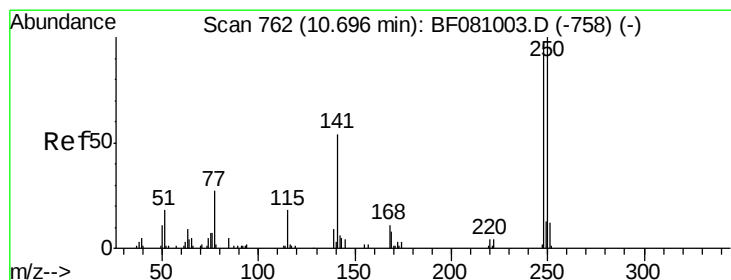
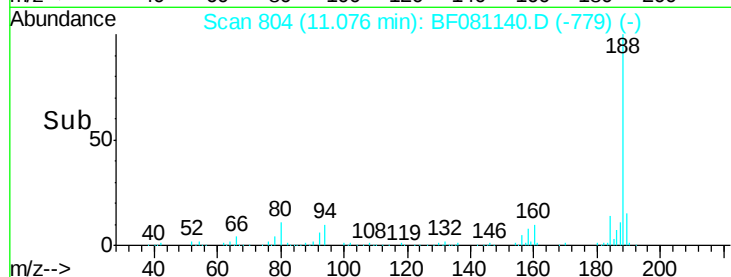
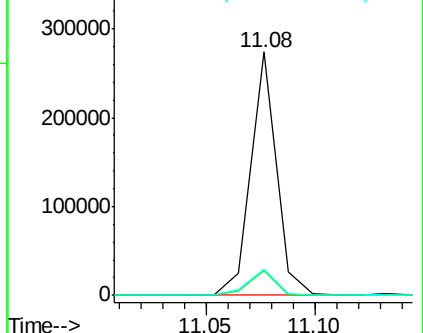
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1B

Tot Ion:188 Resp: 224607
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 10.8 9.5 14.3

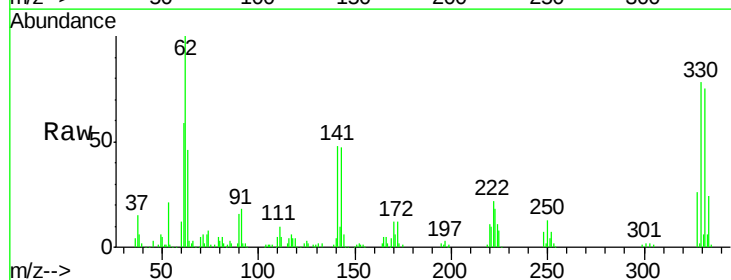


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

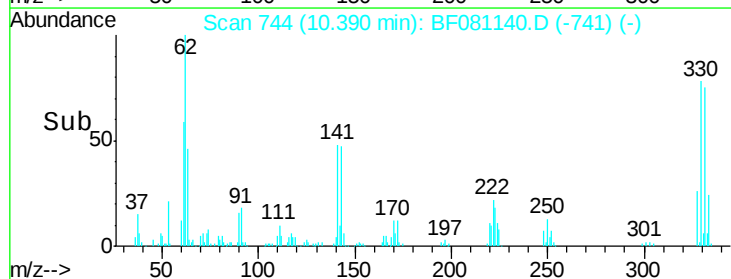
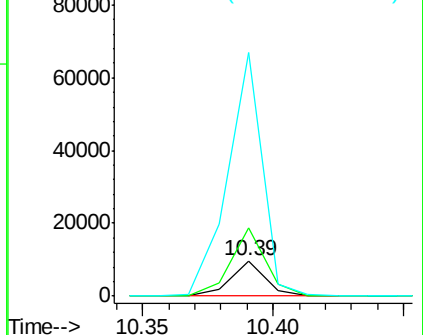


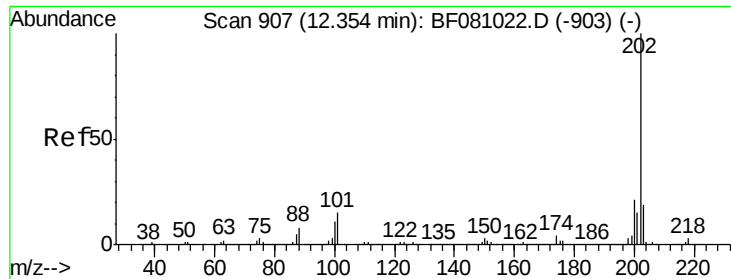
#66
4-Bromophenyl-phenylether
Concen: 4.09 ng
RT: 10.39 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Tgt Ion:248 Resp: 9018
Ion Ratio Lower Upper
248 100
250 193.1 77.8 116.6#
141 695.1 39.8 59.6#



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

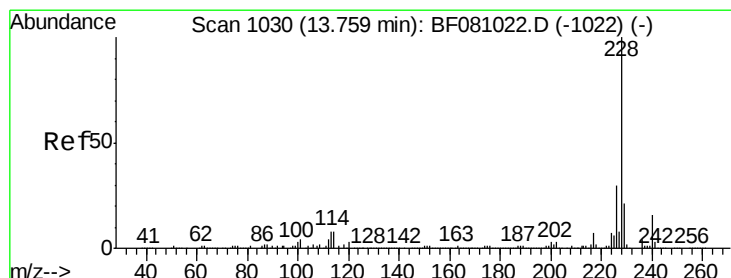
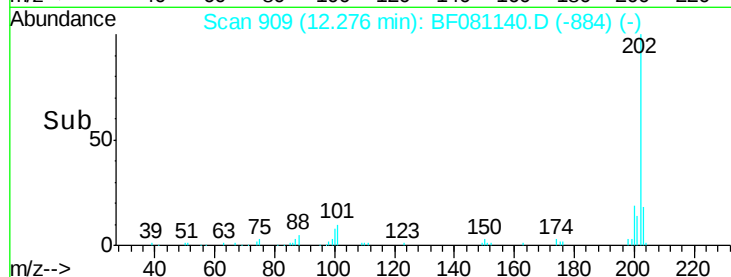
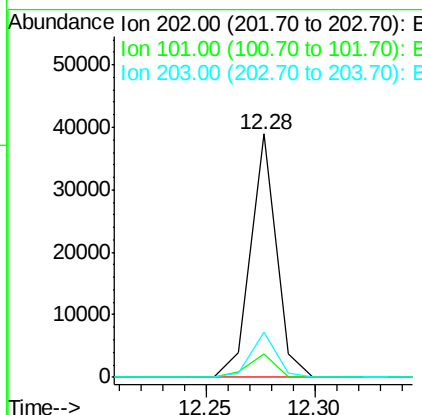
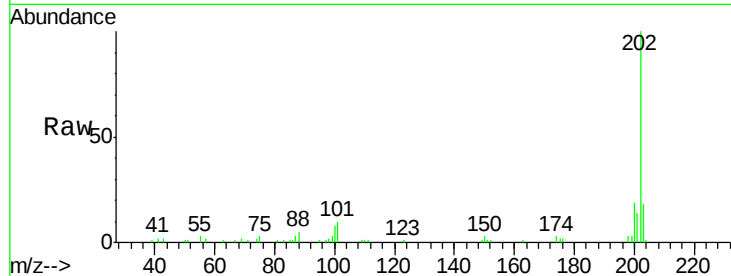




#74
 Fluoranthene
 Concen: 2.23 ng
 RT: 12.28 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

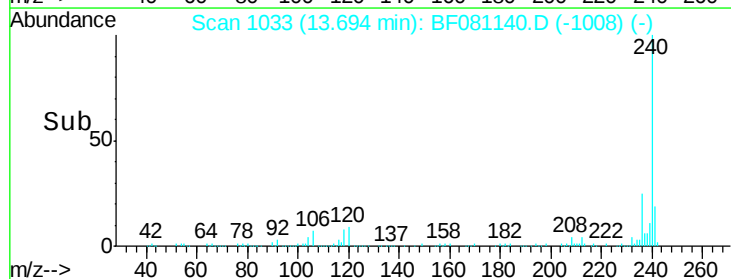
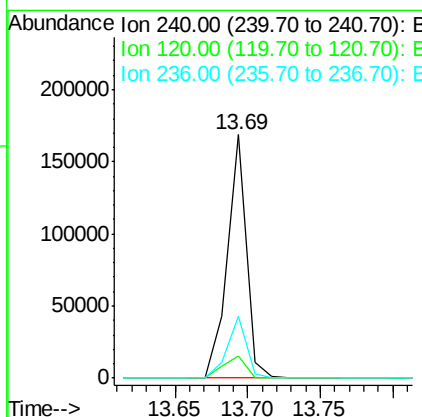
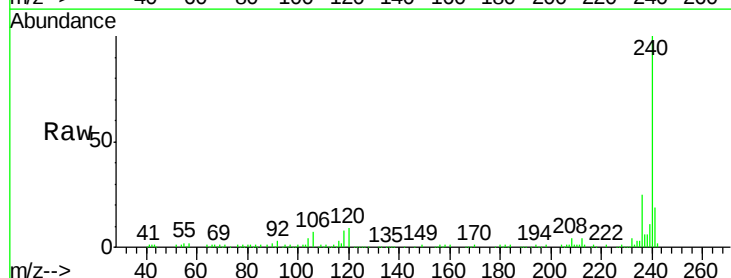
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1B

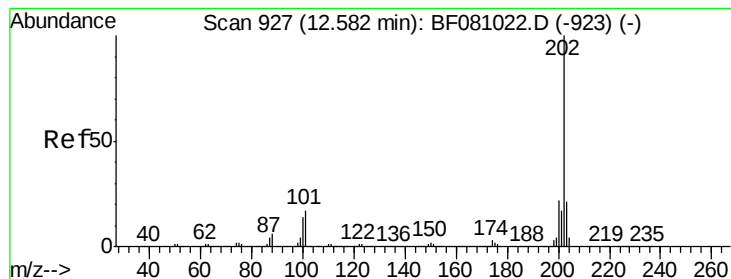
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	24.8
203	18.3	0.0	36.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.69 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF081140.D
 Acq: 20 Aug 2015 23:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	5.6	8.4#
236	25.5	20.6	30.8





#77

Pvrene

Concen: 2.10 ng

RT: 12.51 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1B

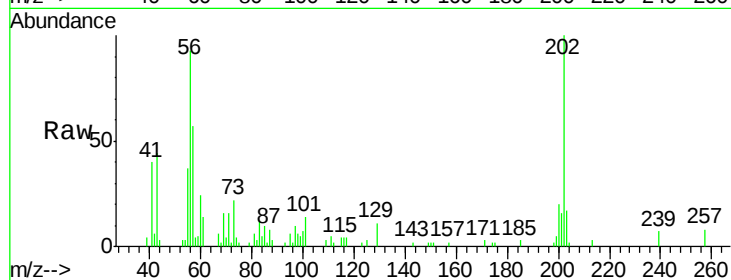
Tot Ion:202 Resp: 26326

Ion Ratio Lower Upper

202 100

200 19.7 16.6 24.8

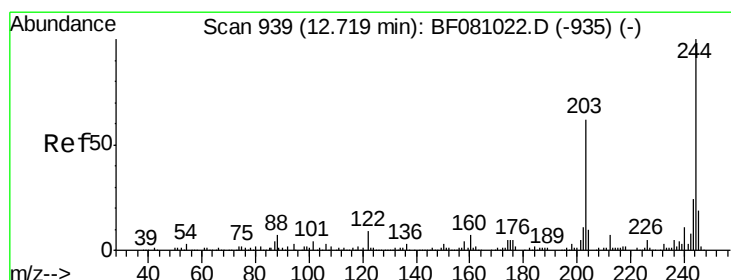
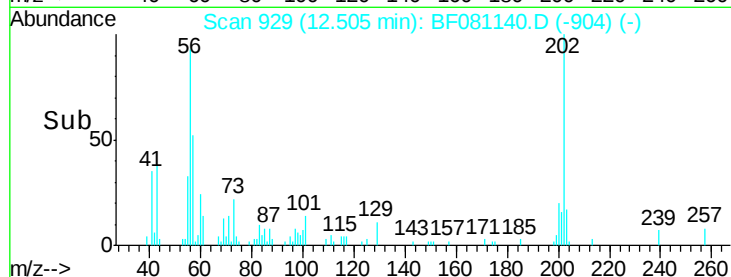
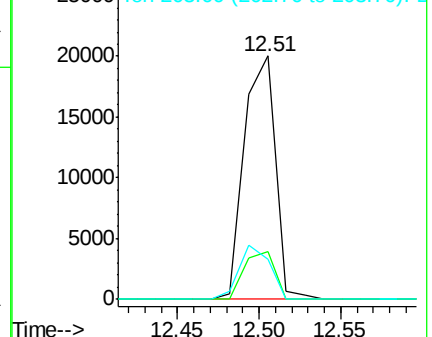
203 16.7 14.1 21.1



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: 79.64 ng

RT: 12.67 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF081140.D

Acq: 20 Aug 2015 23:17

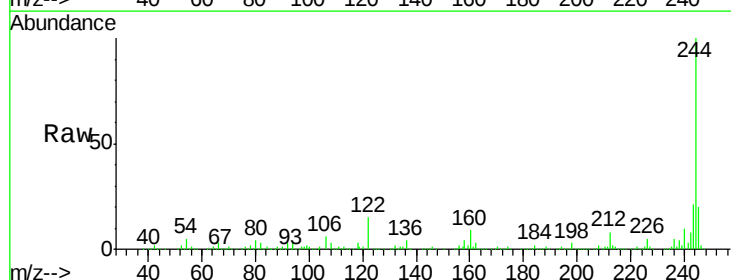
Tgt Ion:244 Resp: 573619

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

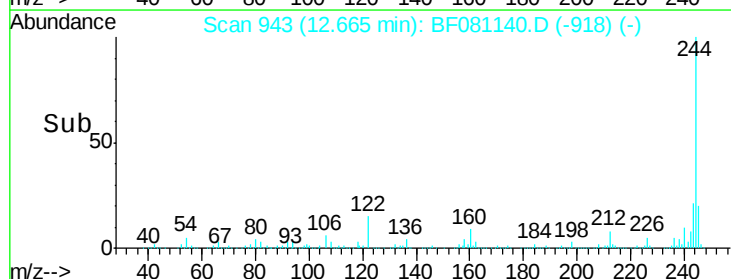
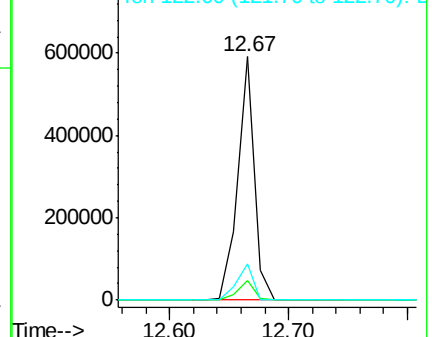
122 15.0 8.2 12.4

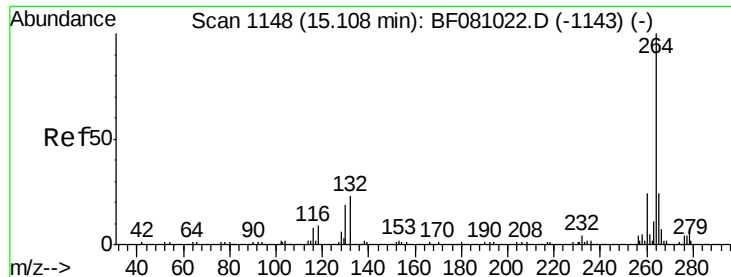


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

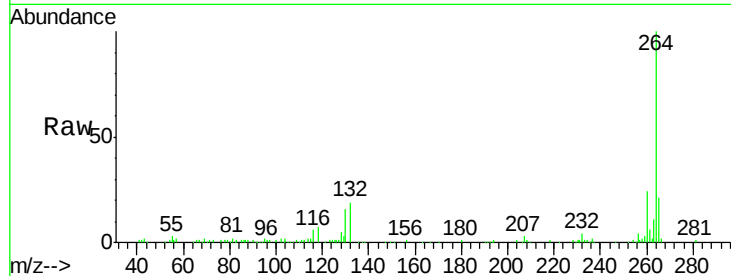




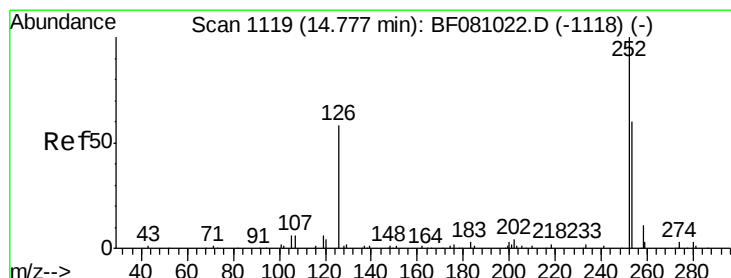
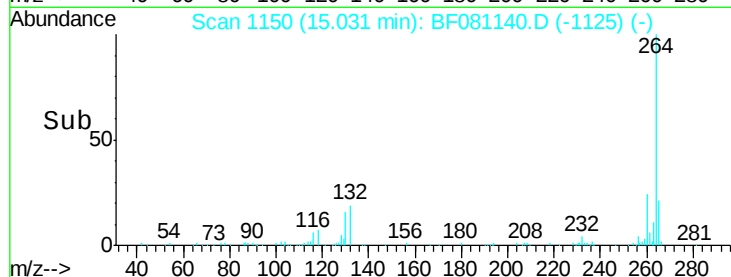
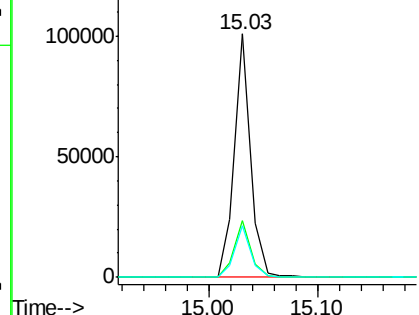
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1B

Tot Ion:264 Resp: 103954
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 21.0 17.5 26.3

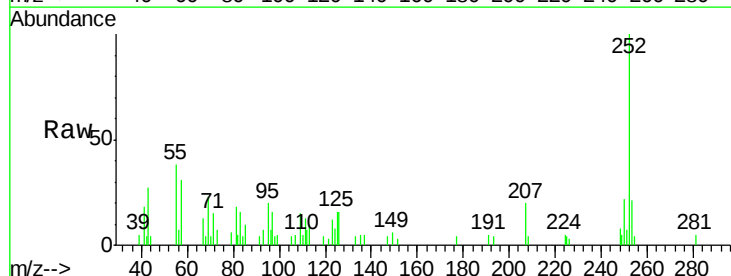


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(k)fluoranthene
Concen: 2.14 ng
RT: 14.68 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF081140.D
Acq: 20 Aug 2015 23:17

Tgt Ion:252 Resp: 14668
Ion Ratio Lower Upper
252 100
253 20.5 17.6 26.4
125 16.3 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

