

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\
 Data File : BF082431.D
 Acq On : 22 Oct 2015 5:06
 Operator : UM/IZ
 Sample : G4116-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Quant Time: Oct 22 12:55:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 13:20:24 2015
 Response via : Initial Calibration

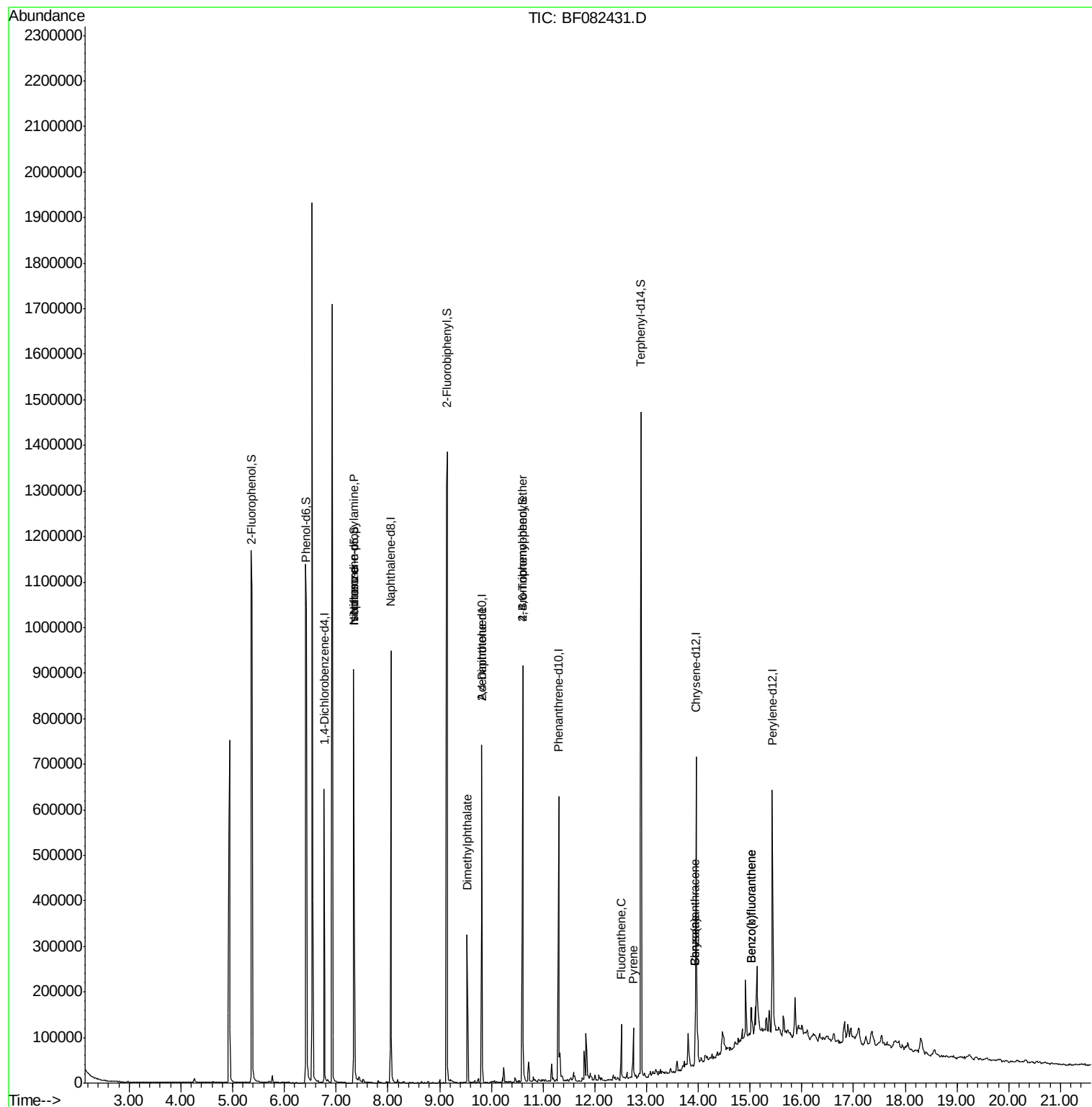
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	107074	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	409409	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	173594	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	284099	20.00	ng	0.00
75) Chrysene-d12	13.96	240	254963	20.00	ng	-0.06
86) Perylene-d12	15.43	264	253861	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	494840	93.27	ng	0.01
7) Phenol-d6	6.42	99	630942	91.39	ng	0.00
23) Nitrobenzene-d5	7.34	82	352662	57.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	108422	66.60	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	701401	67.01	ng	0.00
78) Terphenyl-d14	12.89	244	501968	52.17	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	45753	9.44	ng	# 80
25) Isophorone	7.34	82	328511	26.70	ng	# 66
49) Dimethylphthalate	9.53	163	170292	13.93	ng	99
56) 2,4-Dinitrotoluene	9.82	165	21740	6.74	ng	# 22
66) 4-Bromophenyl-phenylether	10.61	248	8669	3.05	ng	# 1
74) Fluoranthene	12.52	202	55638	3.72	ng	98
77) Pyrene	12.74	202	51660	3.41	ng	98
80) Benzo(a)anthracene	13.94	228	31840	2.40	ng	95
82) Chrysene	13.94	228	31840	2.28	ng	98
87) Benzo(b)fluoranthene	15.03	252	54188	3.51	ng	95
88) Benzo(k)fluoranthene	15.03	252	54188	4.17	ng	# 92

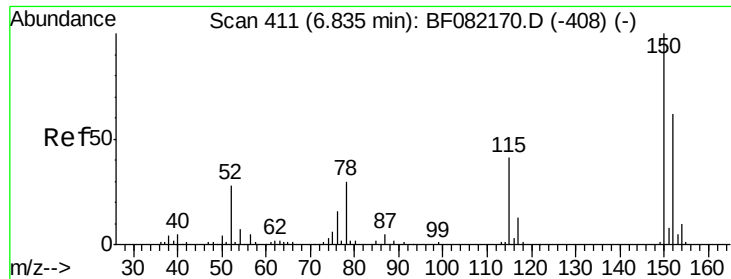
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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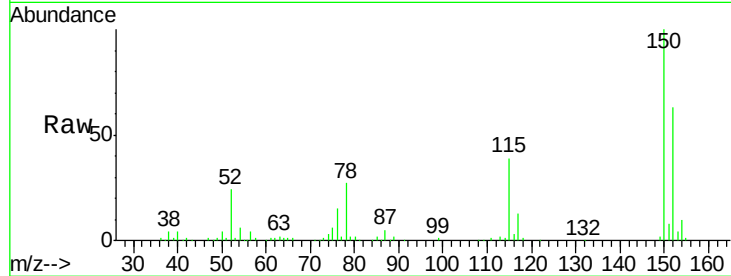


#1

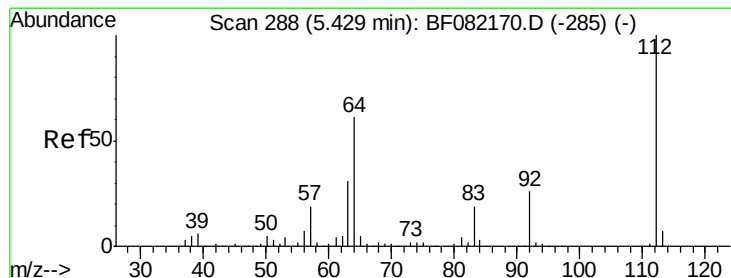
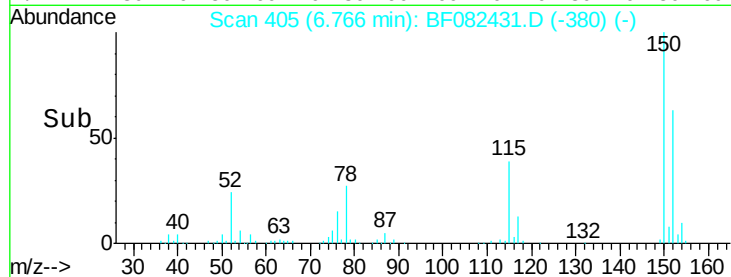
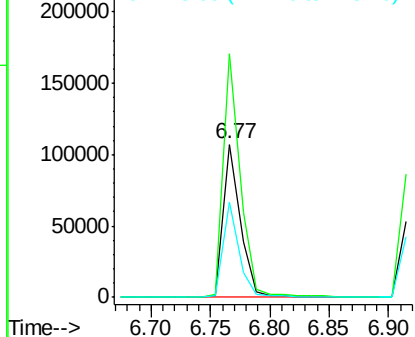
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Tot Ion:152 Resp: 107074
 Ion Ratio Lower Upper
 152 100
 150 158.9 129.0 193.4
 115 61.7 52.1 78.1



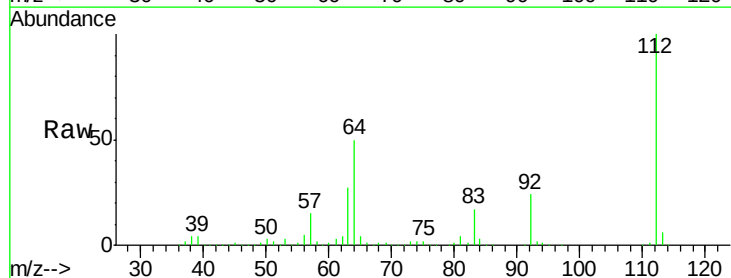
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



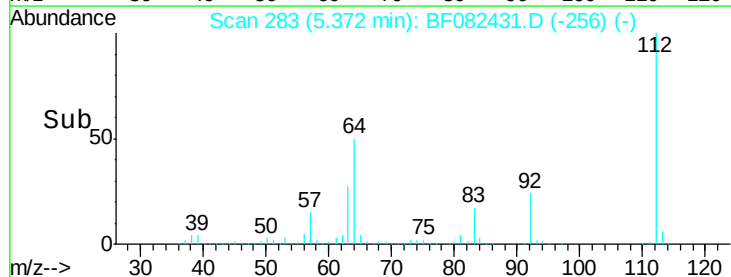
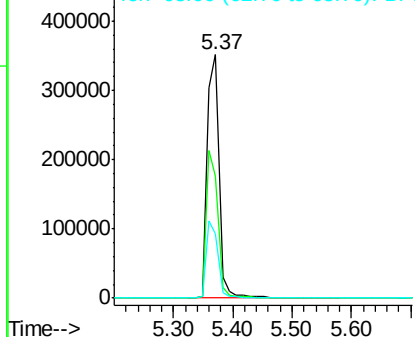
#5

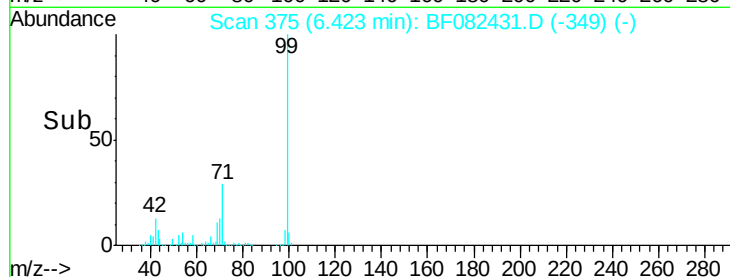
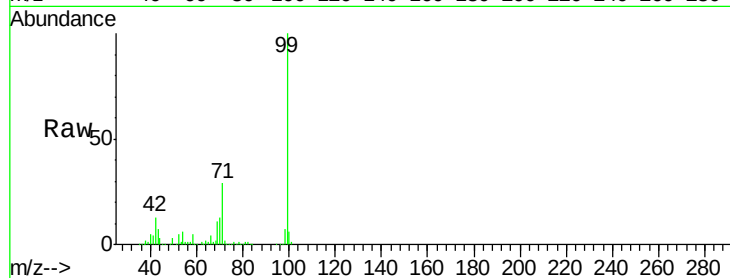
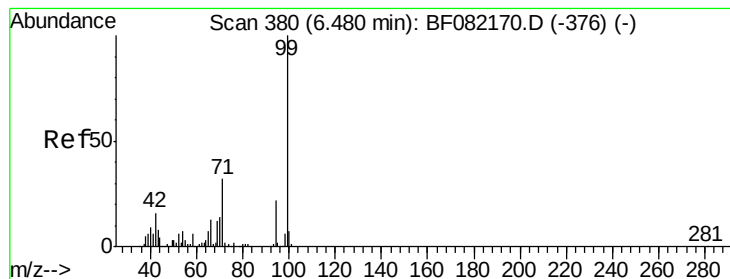
2-Fluorophenol
 Concen: 93.27 ng
 RT: 5.37 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Tgt Ion:112 Resp: 494840
 Ion Ratio Lower Upper
 112 100
 64 50.0 48.6 73.0
 63 26.5 25.1 37.7



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: 91.39 ng

RT: 6.42 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampled :

BT-02(0-2)

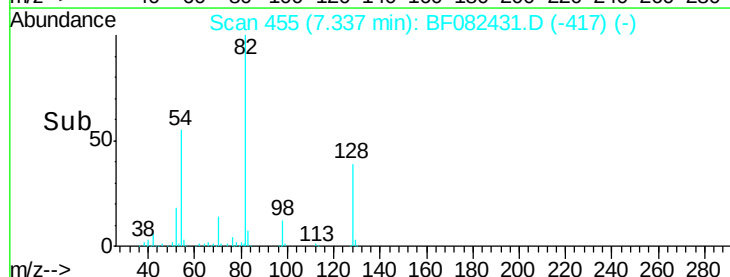
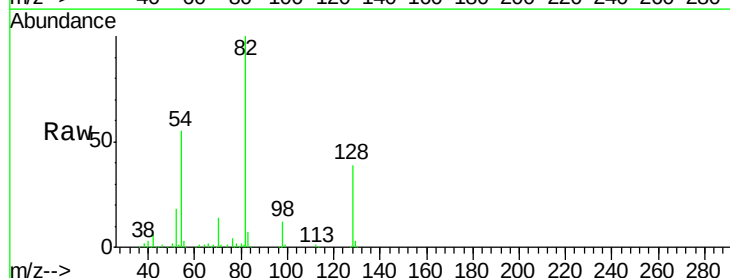
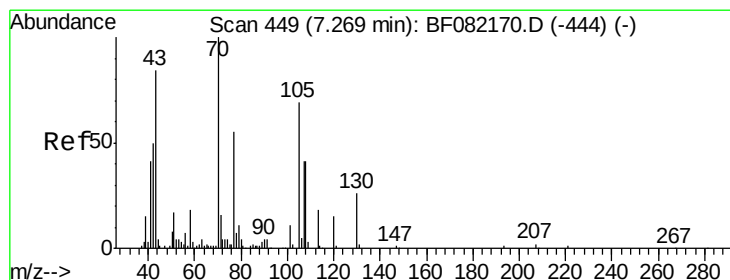
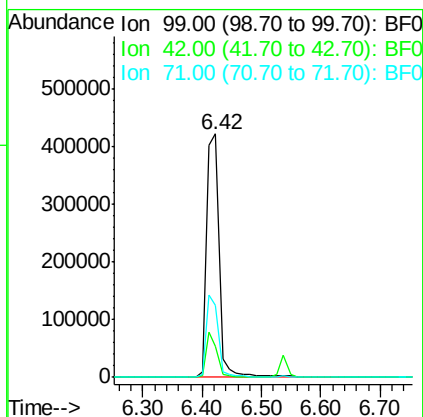
Tot Ion: 99 Resp: 630942

Ion Ratio Lower Upper

99 100

42 12.9 13.2 19.8#

71 29.4 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 9.44 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Tgt Ion: 70 Resp: 45753

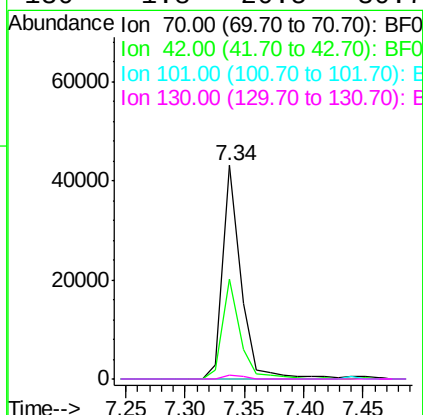
Ion Ratio Lower Upper

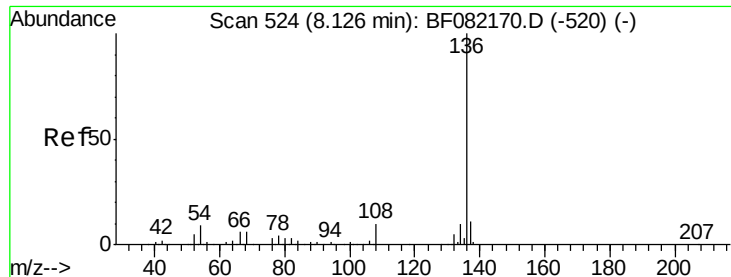
70 100

42 46.6 39.8 59.8

101 0.0 8.6 13.0#

130 1.8 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

Tot Ion:136 Resp: 409409

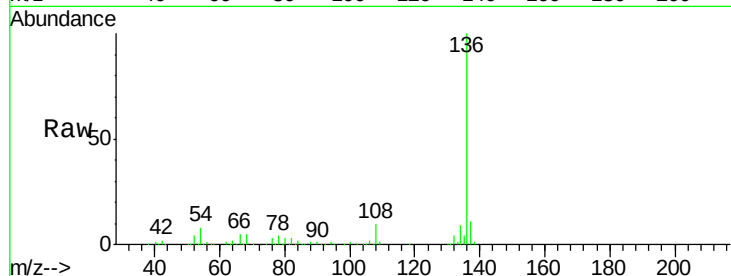
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.1 7.5 11.3

68 5.2 4.6 7.0

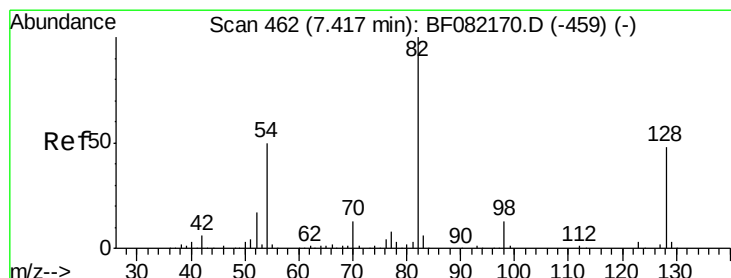
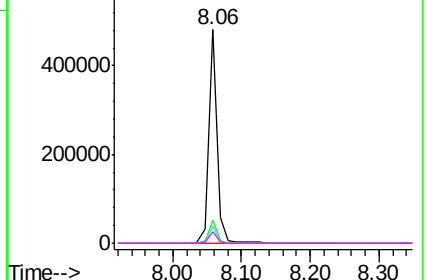
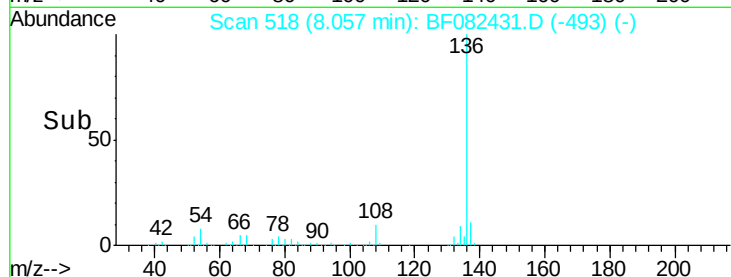


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.85 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

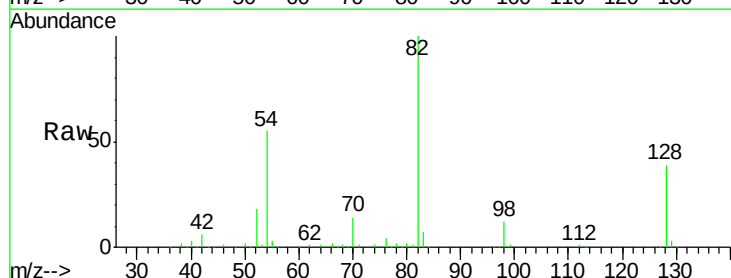
Tgt Ion: 82 Resp: 352662

Ion Ratio Lower Upper

82 100

128 39.3 38.7 58.1

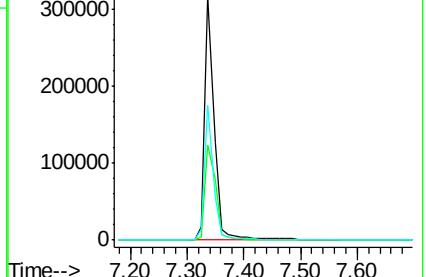
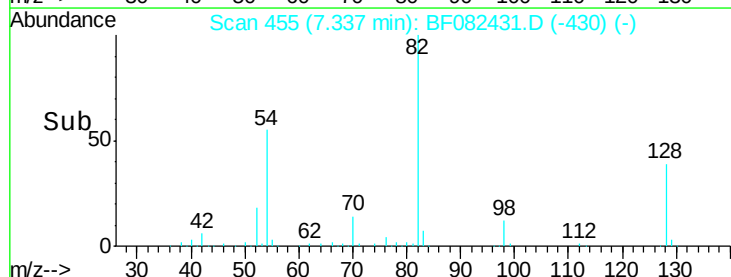
54 55.2 40.1 60.1

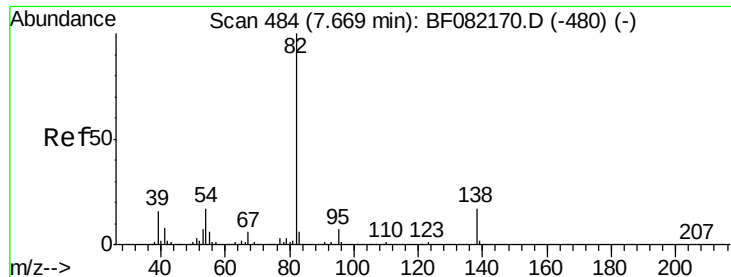


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 26.70 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

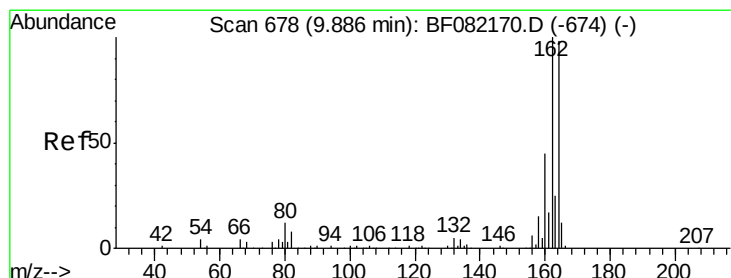
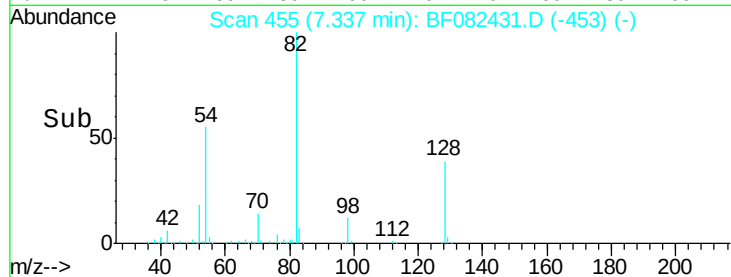
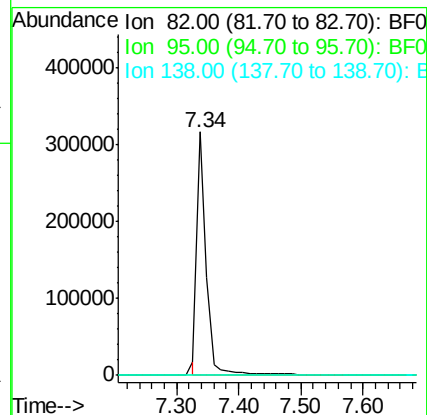
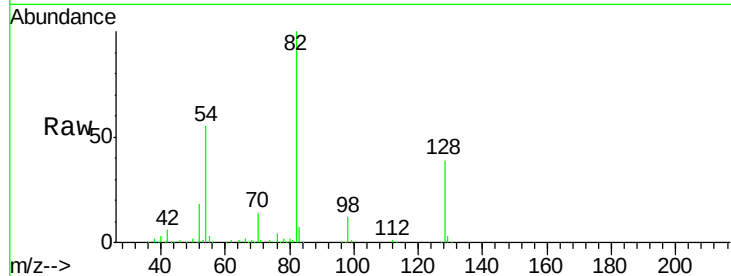
Tot Ion: 82 Resp: 328511

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

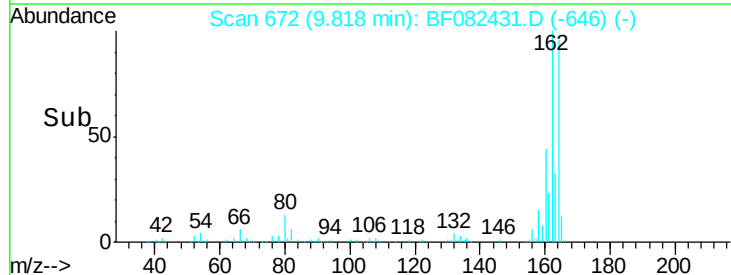
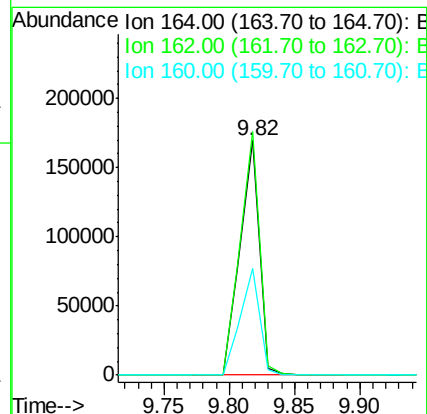
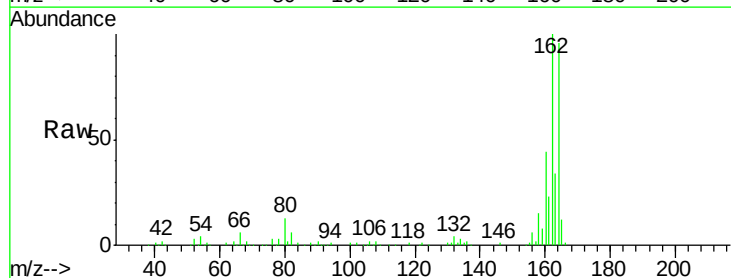
Tgt Ion: 164 Resp: 173594

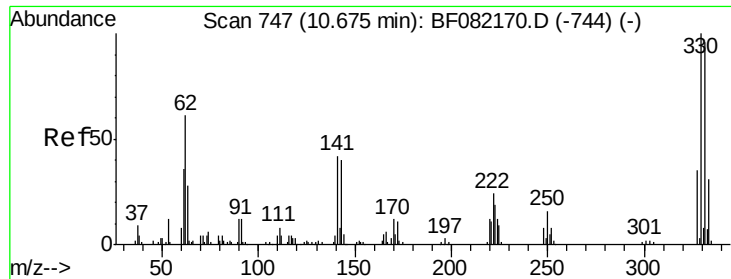
Ion Ratio Lower Upper

164 100

162 103.9 81.6 122.4

160 45.7 36.4 54.6

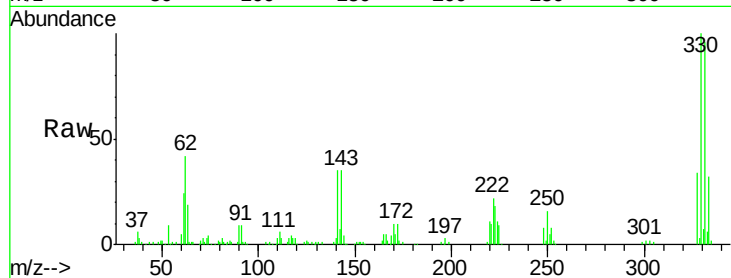




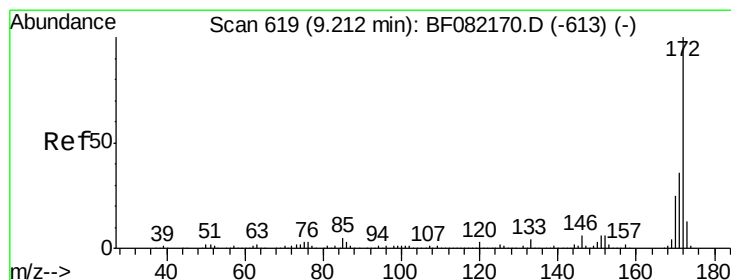
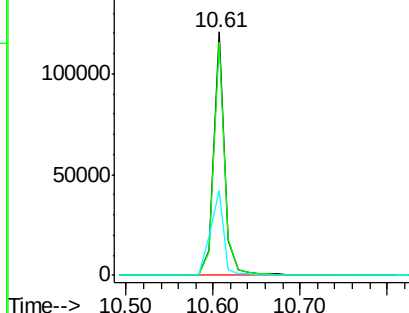
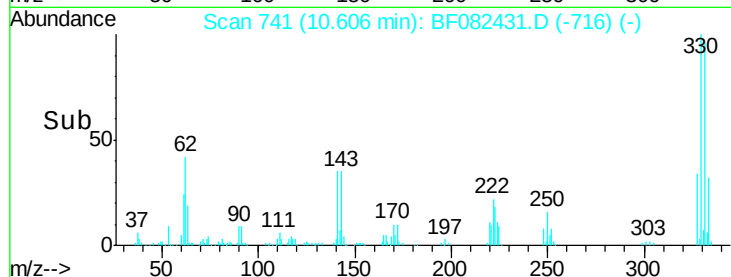
#41
 2,4,6-Tribromophenol
 Concen: 66.60 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	42.4	29.8	44.8

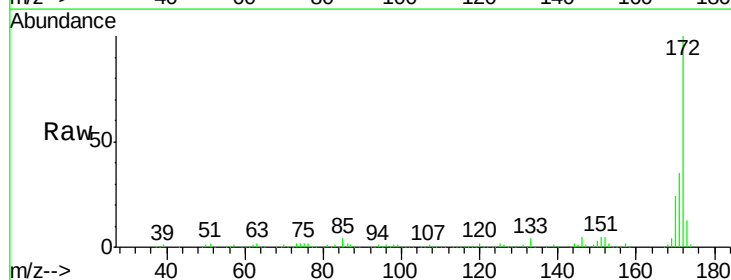


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

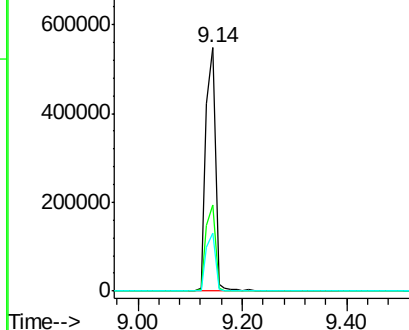
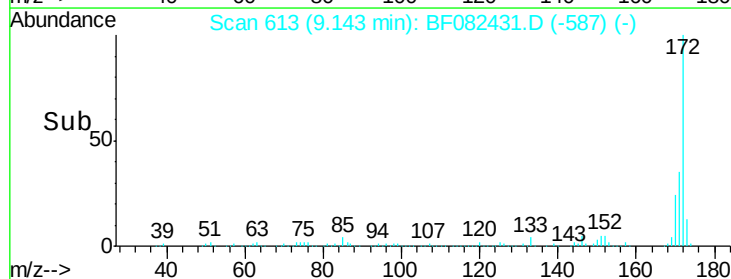


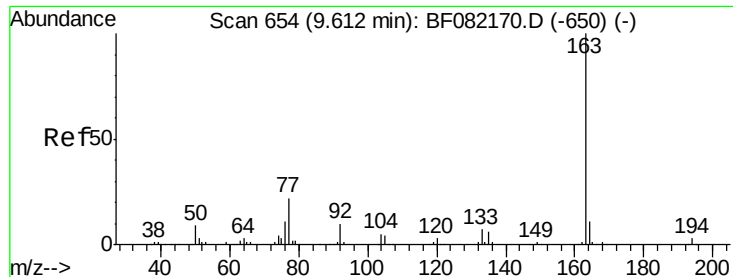
#44
 2-Fluorobiphenyl
 Concen: 67.01 ng
 RT: 9.14 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.6	19.7	29.5



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

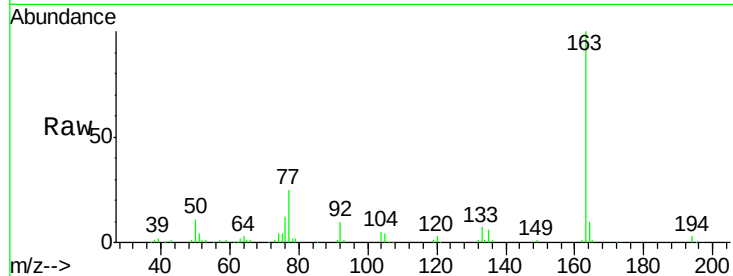




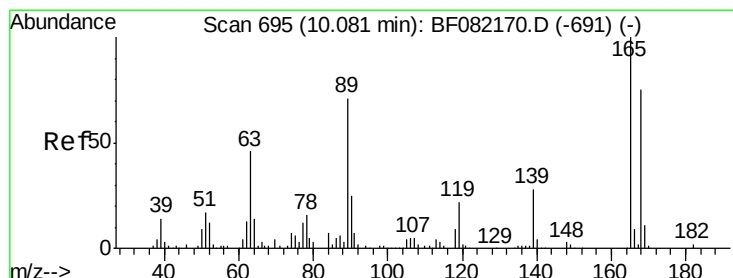
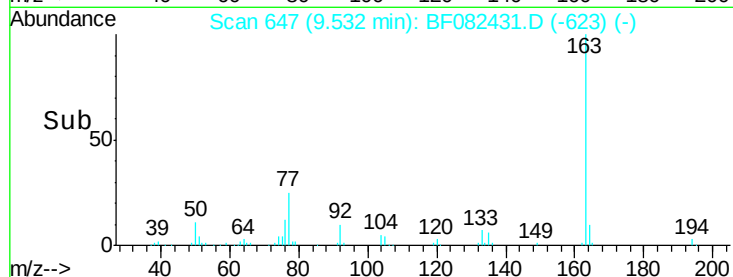
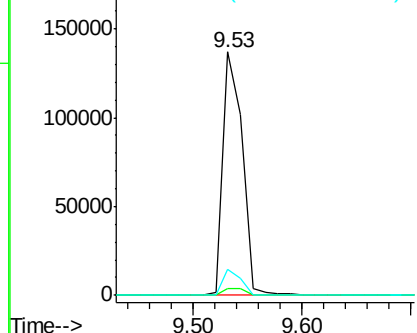
#49
Dimethylphthalate
Concen: 13.93 ng
RT: 9.53 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF082431.D
Acq: 22 Oct 2015 5:06

Instrument :
BNA_F
ClientSampleId :
BT-02(0-2)

Tot Ion:163 Resp: 170292
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.5 8.5 12.7

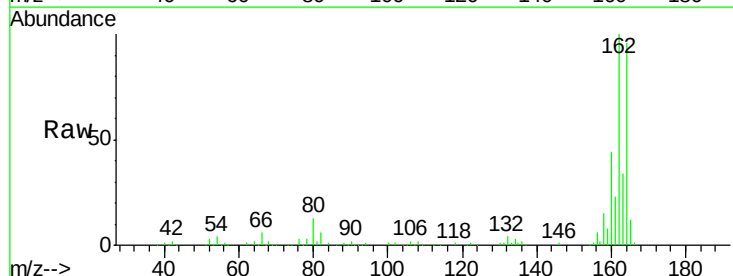


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

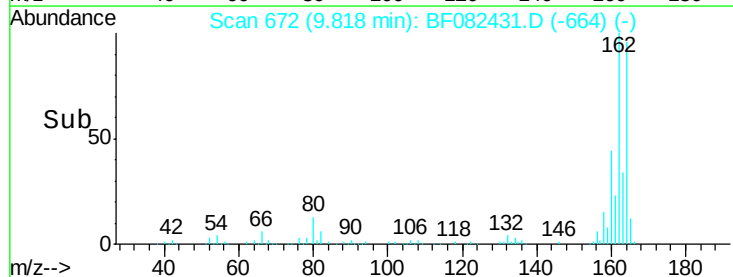
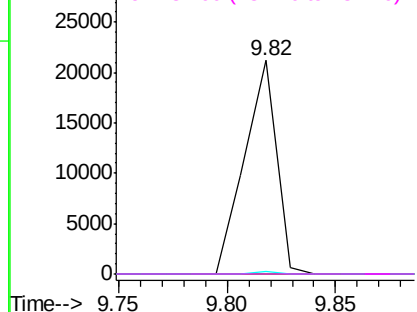


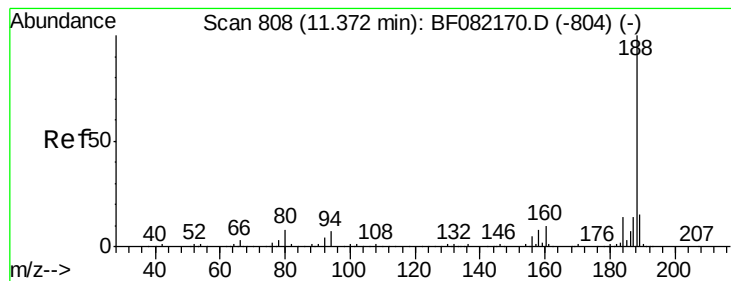
#56
2,4-Dinitrotoluene
Concen: 6.74 ng
RT: 9.82 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF082431.D
Acq: 22 Oct 2015 5:06

Tgt Ion:165 Resp: 21740
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 1.5 57.0 85.6#
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: 11.30 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

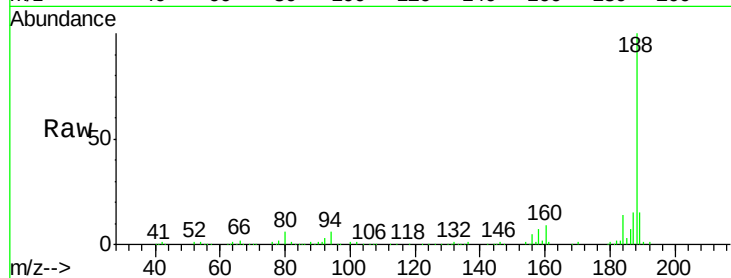
Tot Ion:188 Resp: 284099

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.6

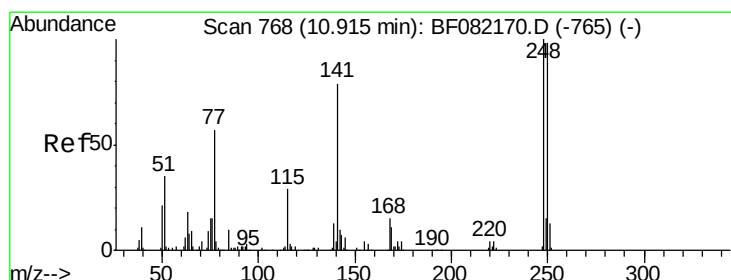
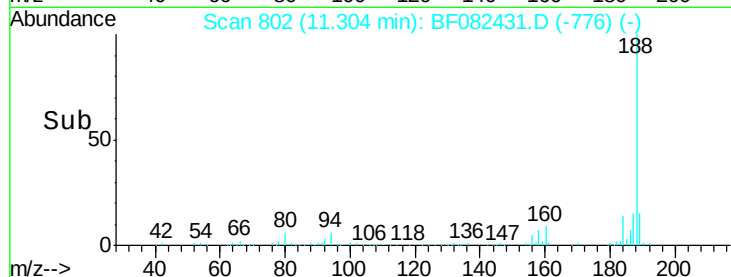
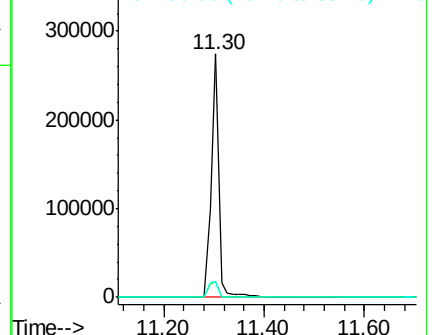
80 6.3 6.4 9.6#



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: 3.05 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

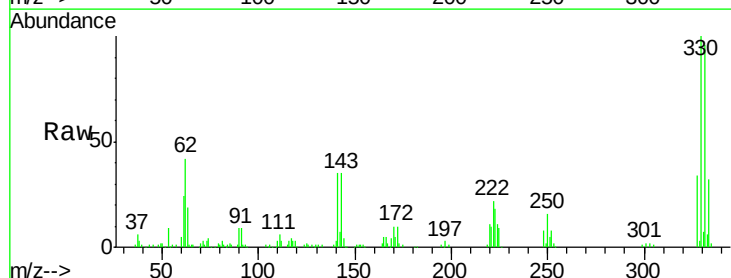
Tgt Ion:248 Resp: 8669

Ion Ratio Lower Upper

248 100

250 193.3 78.6 117.8#

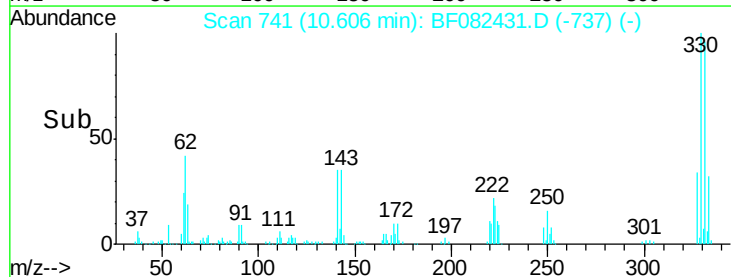
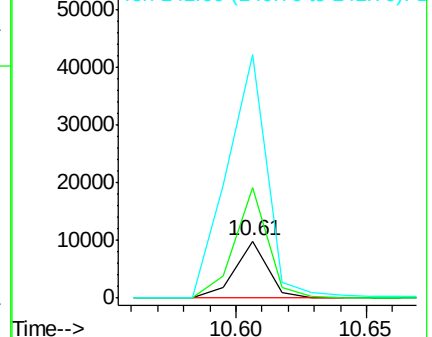
141 425.6 63.3 94.9#

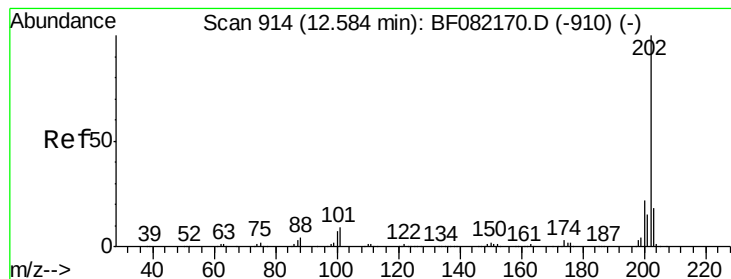


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.72 ng

RT: 12.52 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

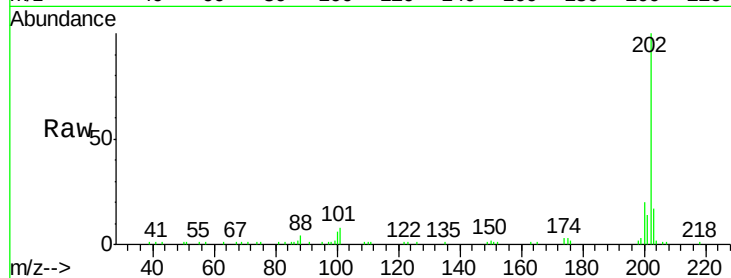
Tot Ion:202 Resp: 55638

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.3

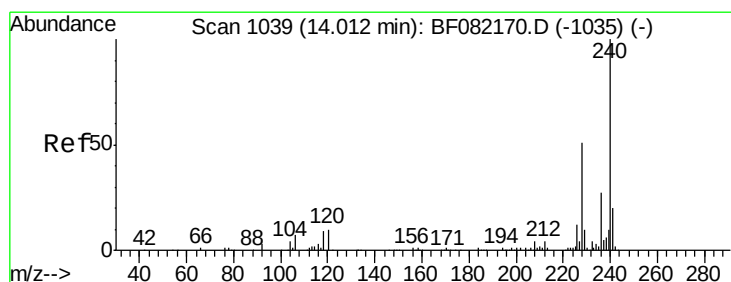
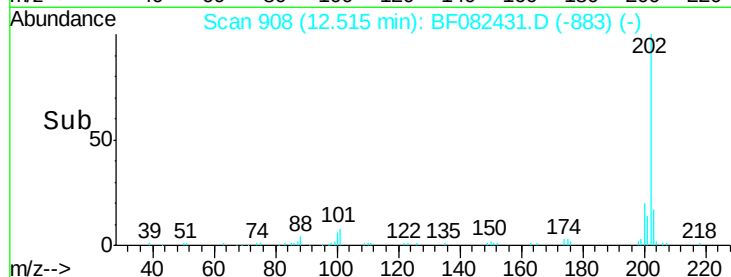
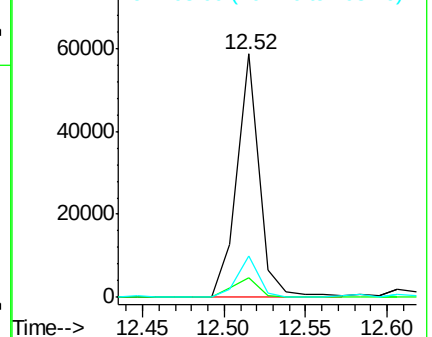
203 17.0 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

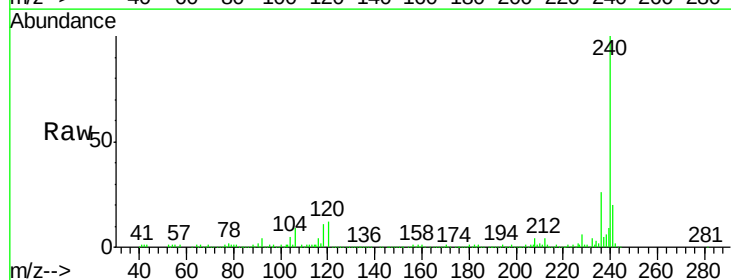
Tgt Ion:240 Resp: 254963

Ion Ratio Lower Upper

240 100

120 12.5 8.1 12.1#

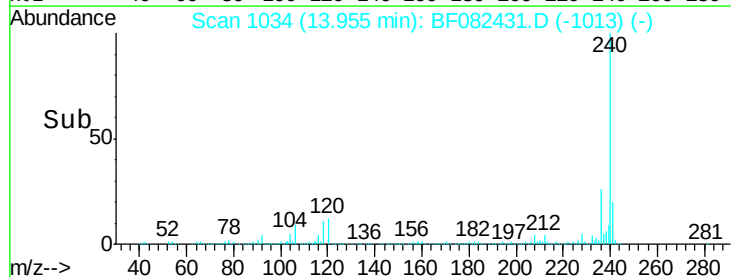
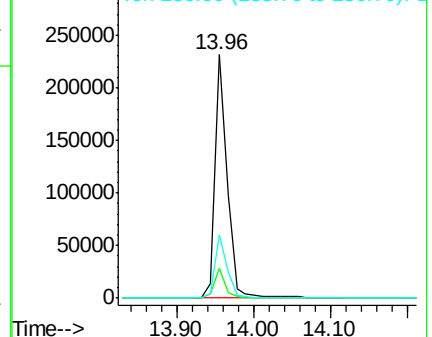
236 25.9 21.3 31.9

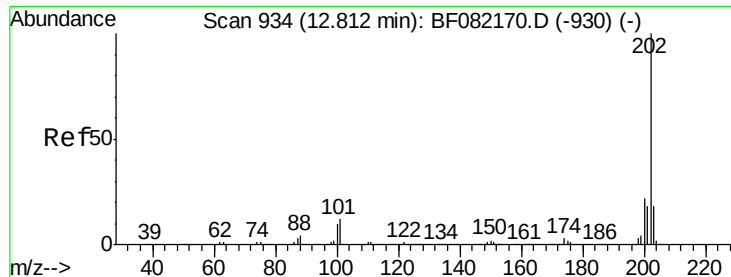


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

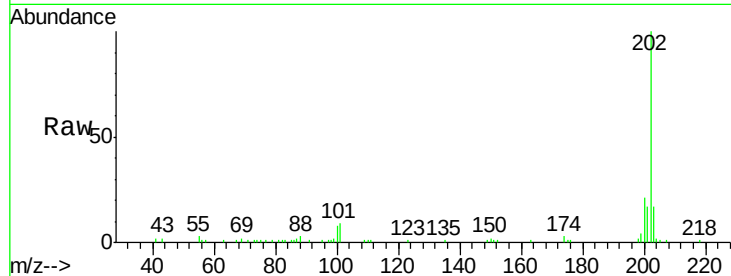




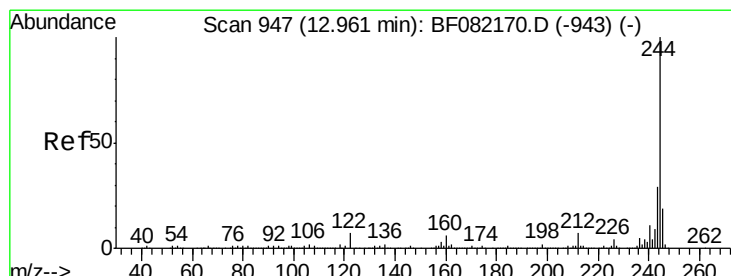
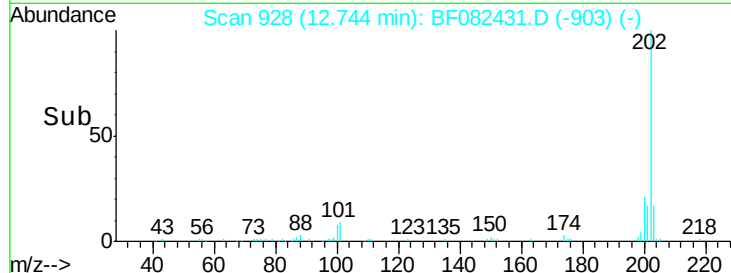
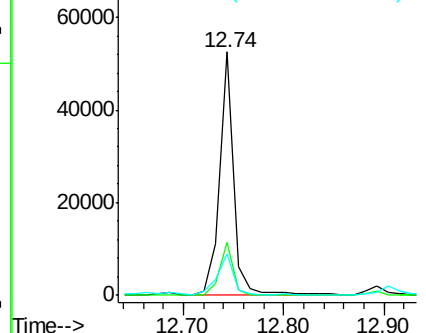
#77
 Pvrene
 Concen: 3.41 ng
 RT: 12.74 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Instrument :
 BNA_F
 ClientSampleId :
 BT-02(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.9	26.9
203	17.0	14.5	21.7

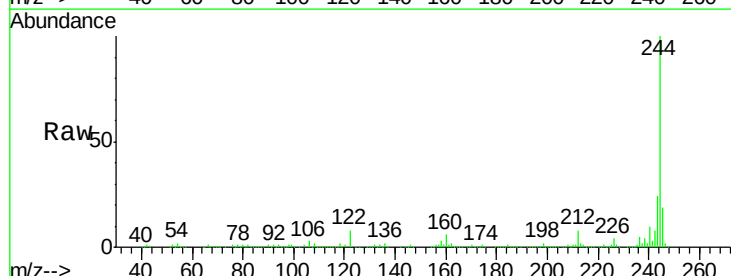


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

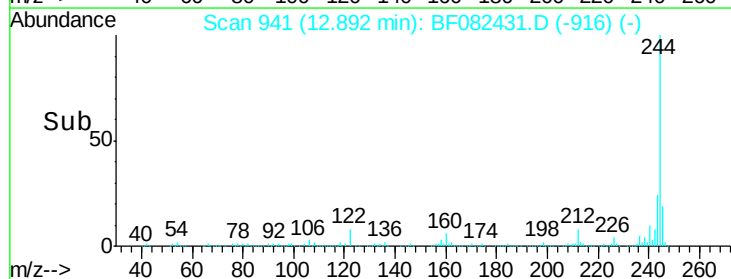
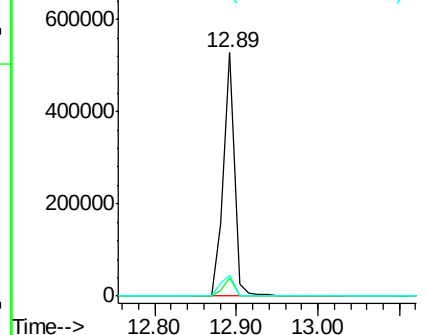


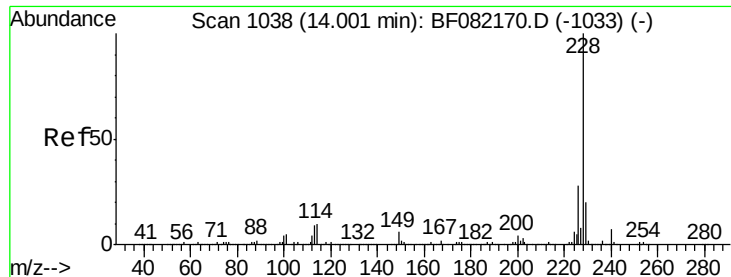
#78
 Terphenyl-d14
 Concen: 52.17 ng
 RT: 12.89 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF082431.D
 Acq: 22 Oct 2015 5:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.3	5.9	8.9



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





#80

Benzo(a)anthracene

Concen: 2.40 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

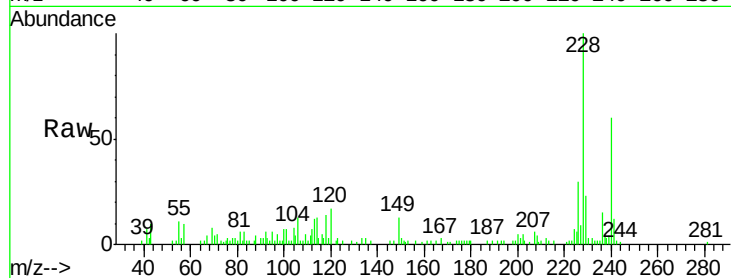
Tot Ion:228 Resp: 31840

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

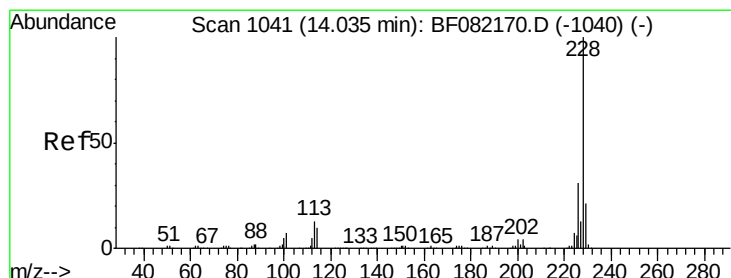
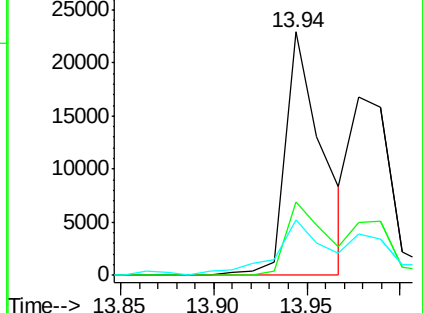
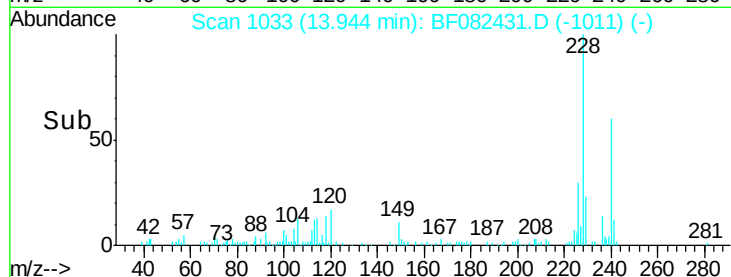
229 22.6 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.28 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

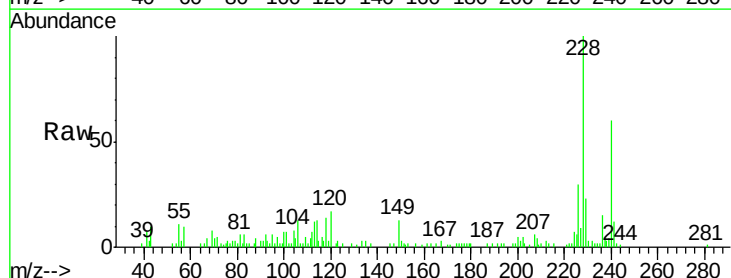
Tgt Ion:228 Resp: 31840

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

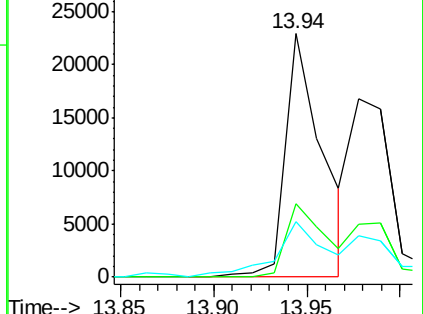
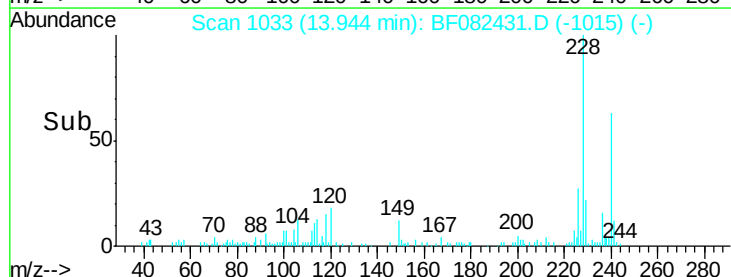
229 22.6 16.3 24.5

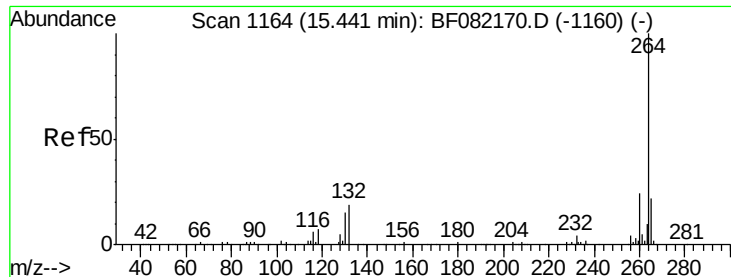


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1163

Delta R.T. -0.10 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

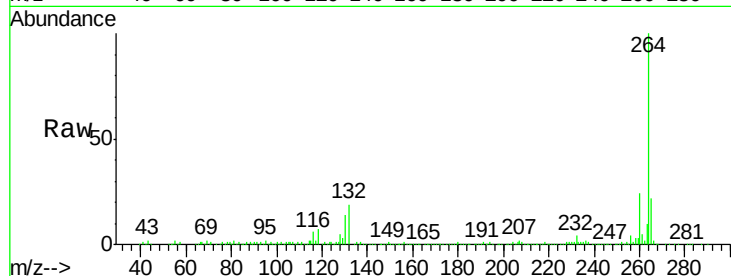
Tot Ion:264 Resp: 253861

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

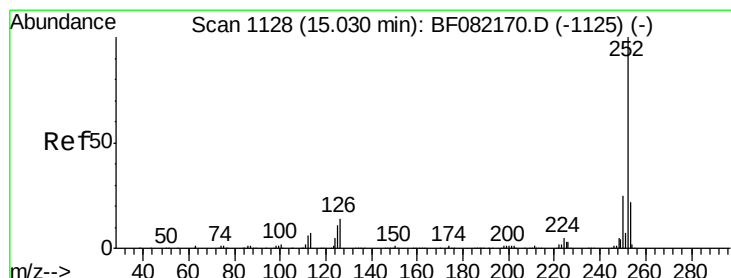
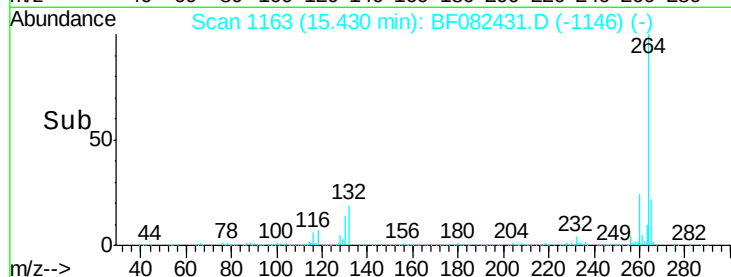
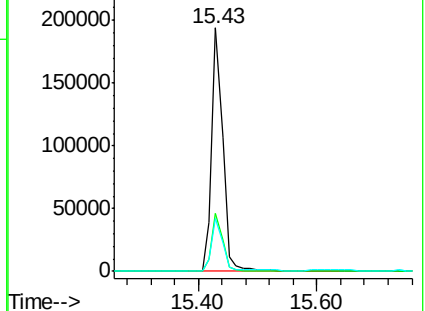
265 21.8 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 3.51 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.10 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

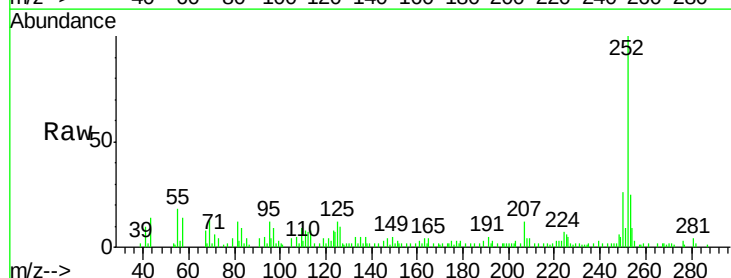
Tgt Ion:252 Resp: 54188

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

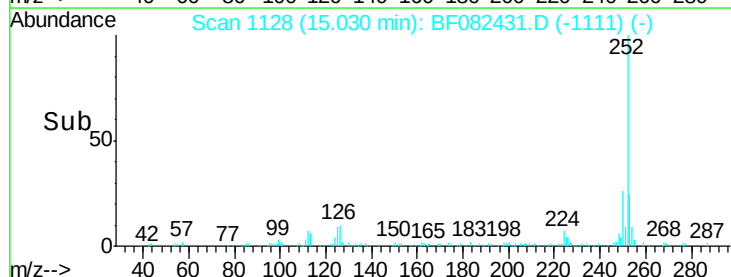
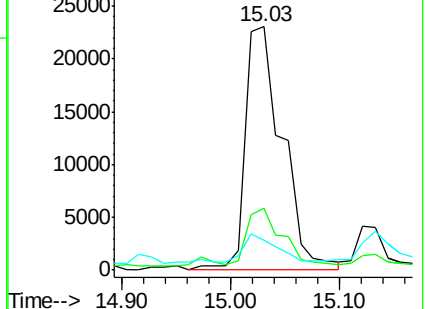
125 12.3 8.6 12.8

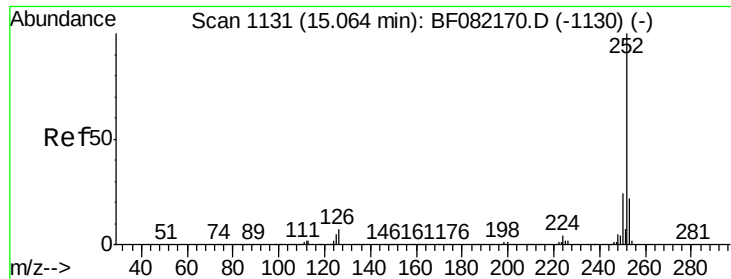


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.17 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.13 min

Lab File: BF082431.D

Acq: 22 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

BT-02(0-2)

Tot Ion:252 Resp: 54188

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 12.3 6.7 10.1#

