

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086122.D
 Acq On : 7 Apr 2016 2:44
 Operator : UM/SJ
 Sample : H2104-02RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 07 03:45:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

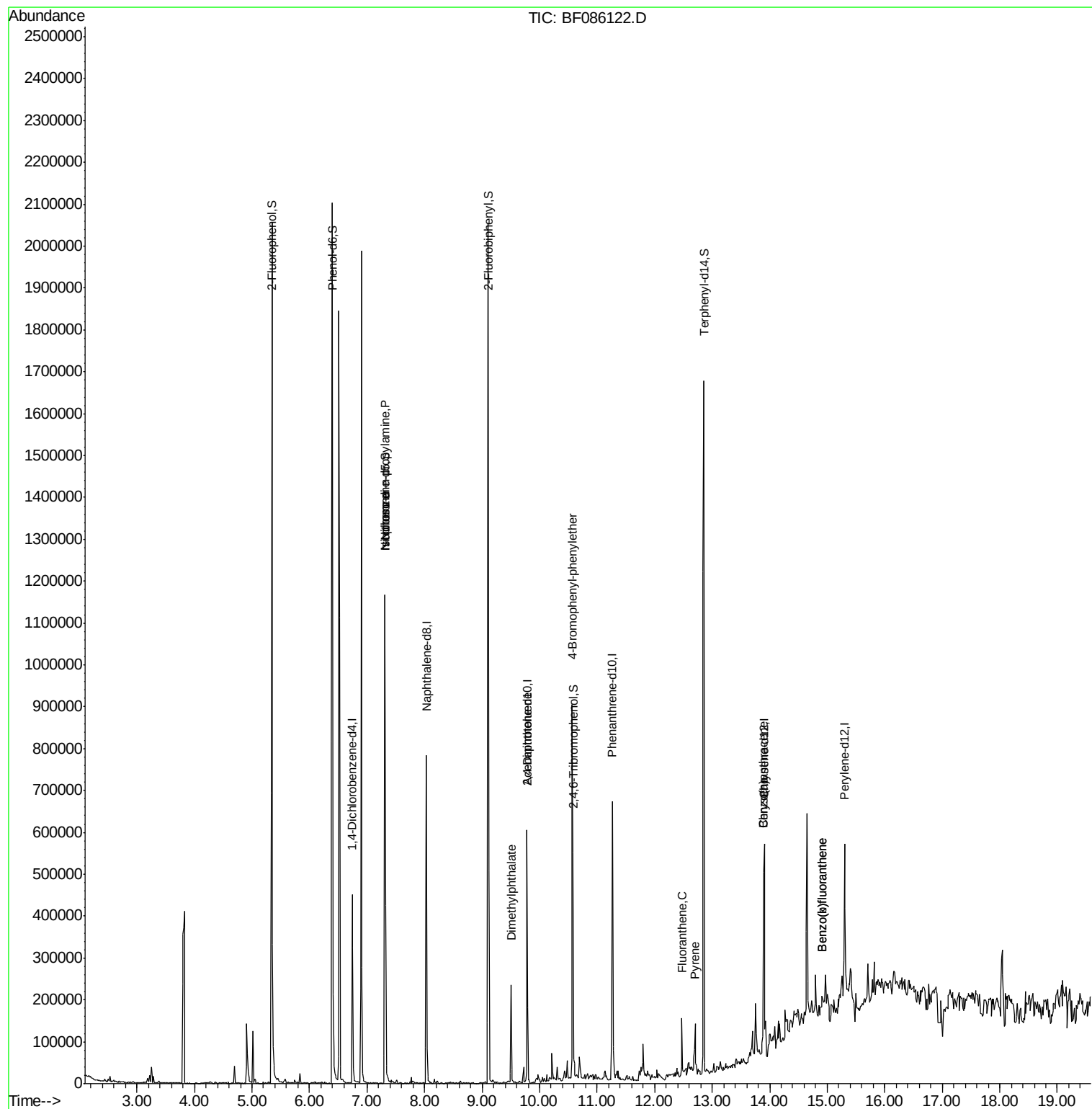
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	93526	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	339992	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	115876	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	226397	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	218626	20.00	ng	-0.02
86) Perylene-d12	15.30	264	152472	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	692310	126.53	ng	-0.02
7) Phenol-d6	6.40	99	866779	124.72	ng	-0.02
23) Nitrobenzene-d5	7.31	82	432271	74.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	129261	118.85	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	632742	90.79	ng	-0.03
78) Terphenyl-d14	12.85	244	661431	71.12	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	56512	13.12	ng	# 80
25) Isophorone	7.31	82	412600	36.25	ng	# 68
49) Dimethylphthalate	9.50	163	85035	9.90	ng	99
56) 2,4-Dinitrotoluene	9.78	165	14990	6.53	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	8755	3.79	ng	# 1
74) Fluoranthene	12.48	202	49038	3.82	ng	93
77) Pyrene	12.71	202	44972	2.92	ng	98
80) Benzo(a)anthracene	13.89	228	30680	2.38	ng	97
82) Chrysene	13.89	228	30680	2.47	ng	96
87) Benzo(b)fluoranthene	14.91	252	30481	3.18	ng	# 90
88) Benzo(k)fluoranthene	14.91	252	30481	3.59	ng	# 88

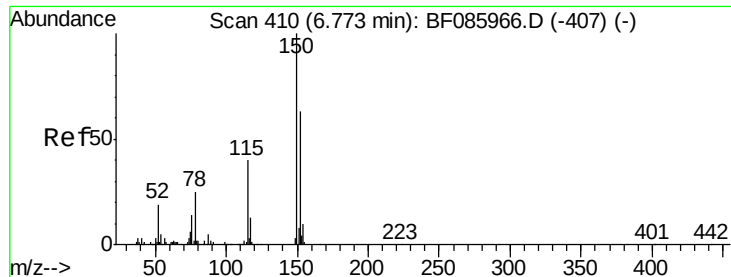
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampleId :

WC-1

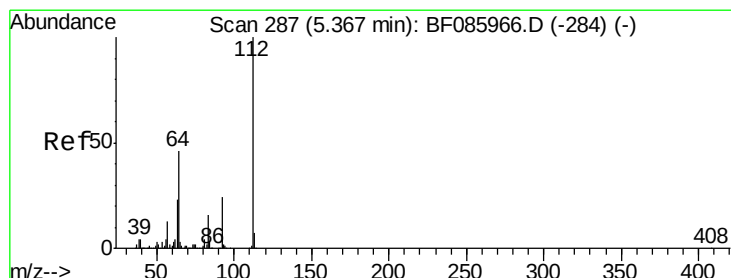
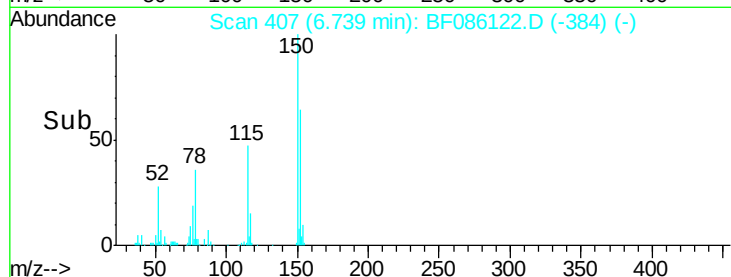
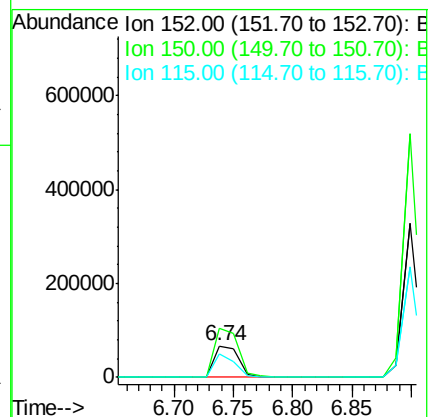
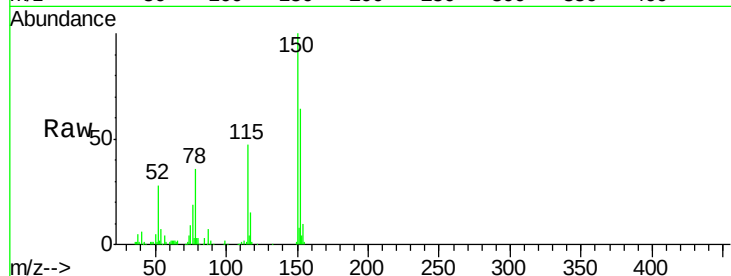
Tgt Ion:152 Resp: 93526

Ion Ratio Lower Upper

152 100

150 156.9 124.2 186.2

115 74.3 47.0 70.6#



#5

2-Fluorophenol

Concen: 126.53 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

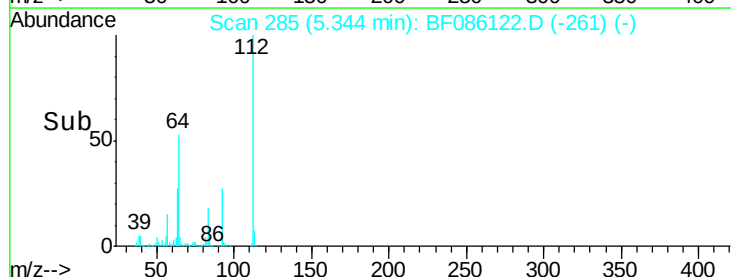
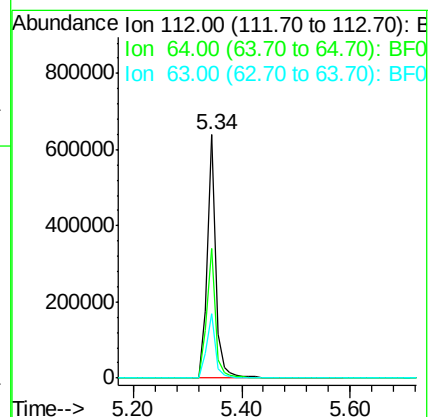
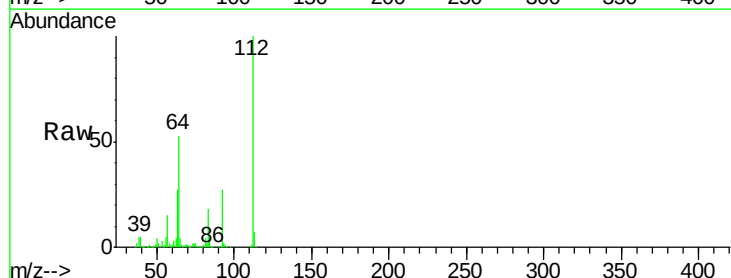
Tgt Ion:112 Resp: 692310

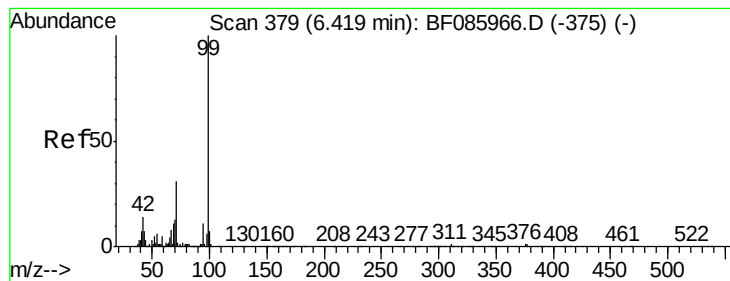
Ion Ratio Lower Upper

112 100

64 53.2 39.9 59.9

63 26.7 20.2 30.2





#7

Phenol-d6

Concen: 124.72 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampled :

WC-1

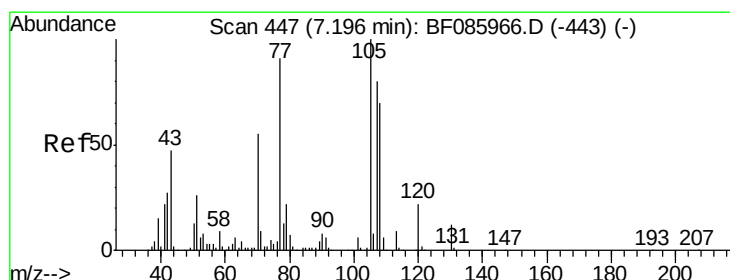
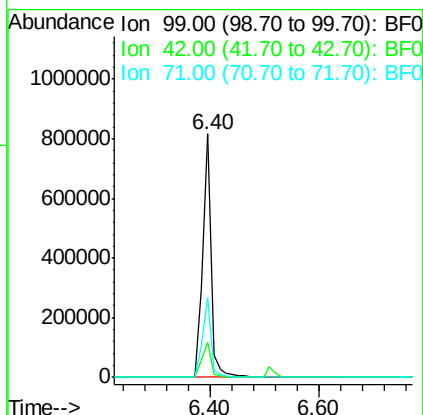
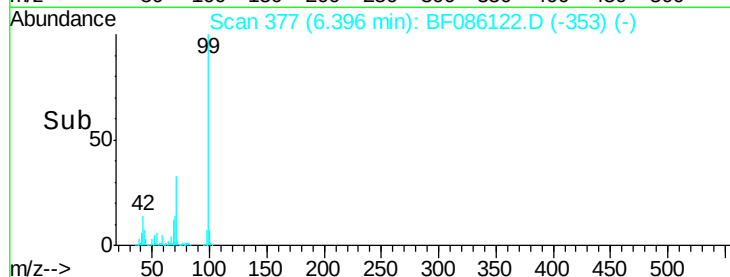
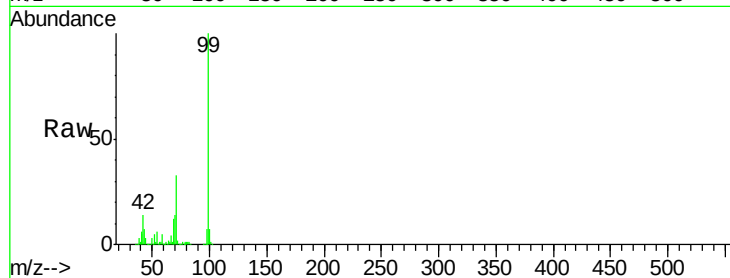
Tgt Ion: 99 Resp: 866779

Ion Ratio Lower Upper

99 100

42 14.5 11.1 16.7

71 32.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.12 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Tgt Ion: 70 Resp: 56512

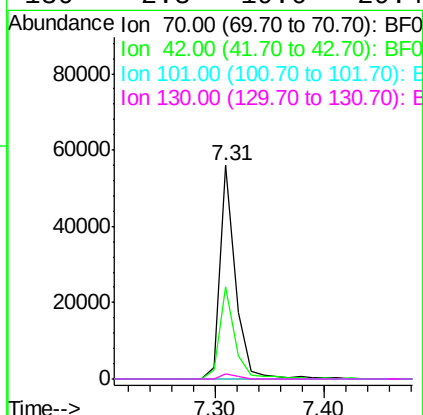
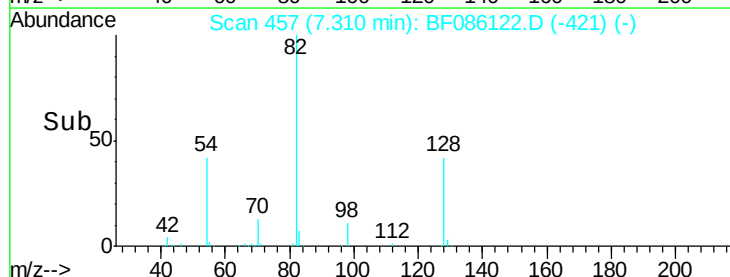
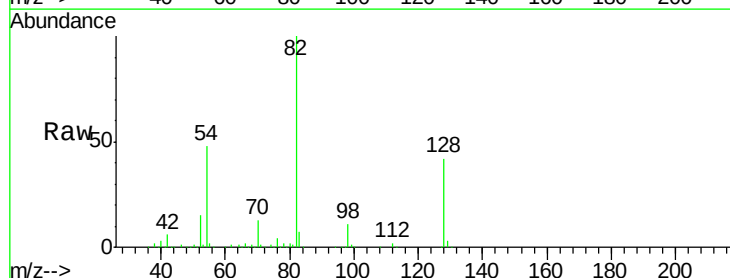
Ion Ratio Lower Upper

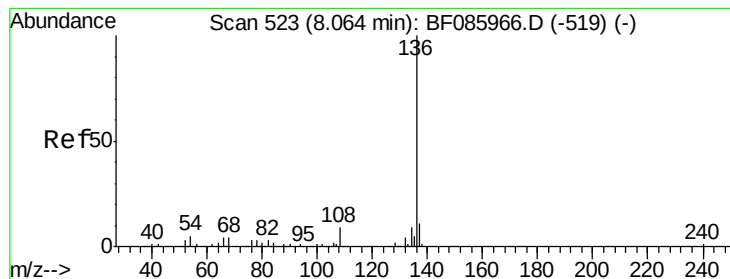
70 100

42 42.9 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 136 Resp: 339992

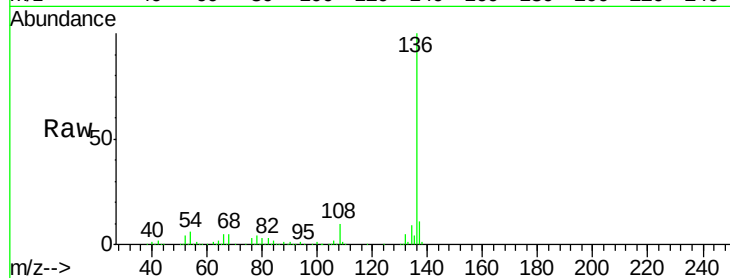
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.5 7.4 11.0#

68 5.4 5.8 8.8#

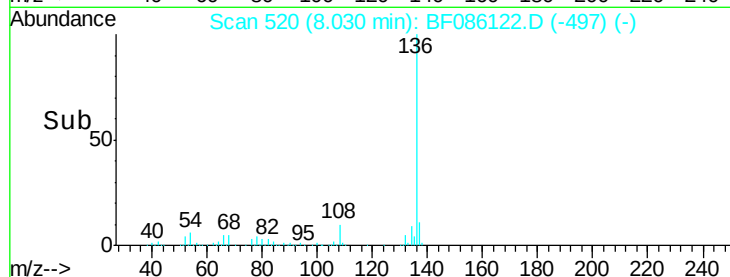


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

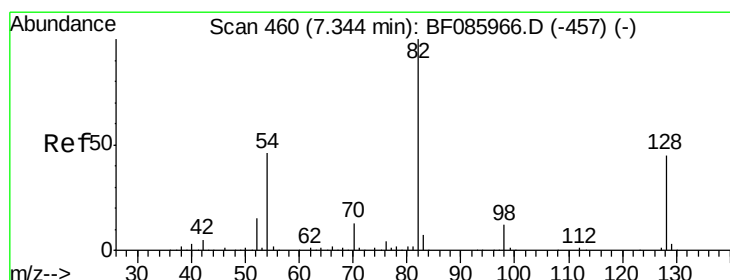
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.03



#23

Nitrobenzene-d5

Concen: 74.98 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

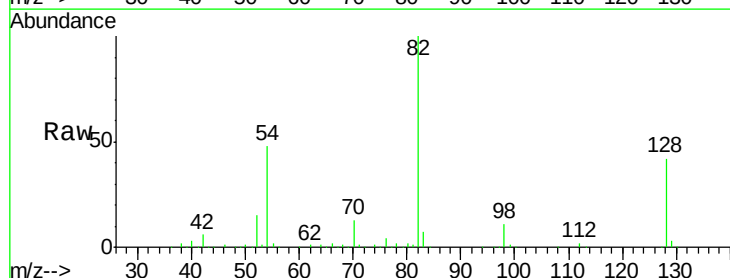
Tgt Ion: 82 Resp: 432271

Ion Ratio Lower Upper

82 100

128 41.6 41.8 62.8#

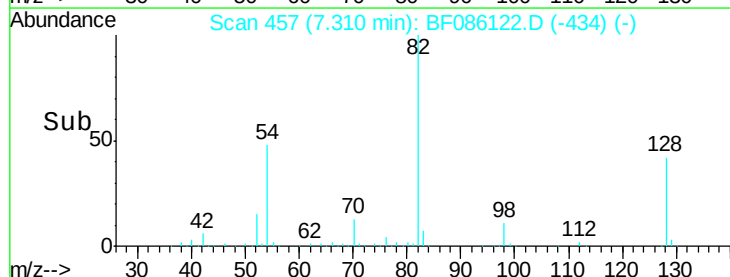
54 47.9 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

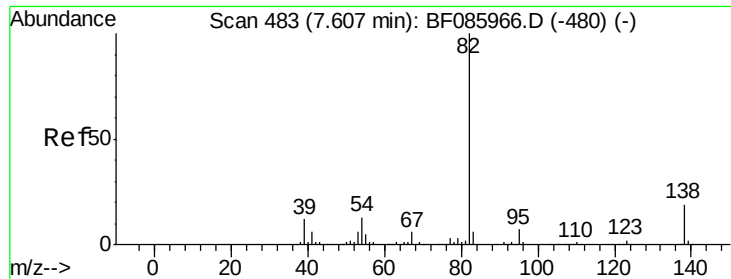
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.31



#25

Isophorone

Concen: 36.25 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampled :

WC-1

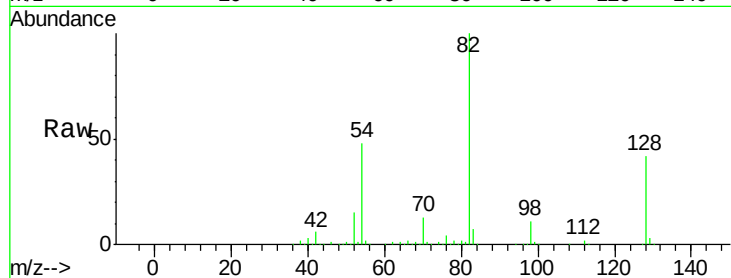
Tgt Ion: 82 Resp: 412600

Ion Ratio Lower Upper

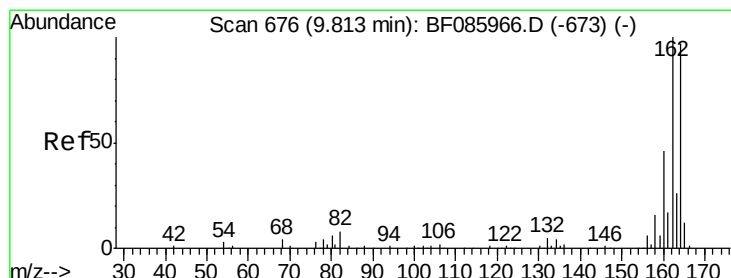
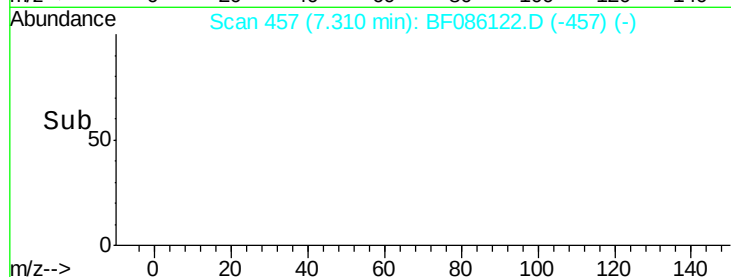
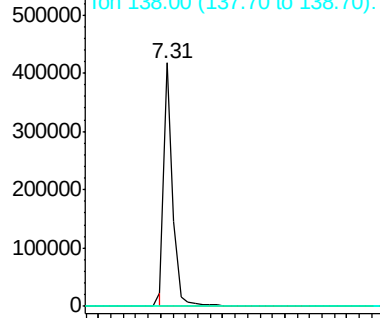
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF086122.D (-457) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

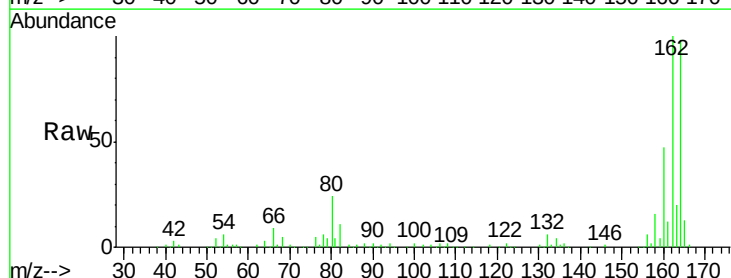
Tgt Ion: 164 Resp: 115876

Ion Ratio Lower Upper

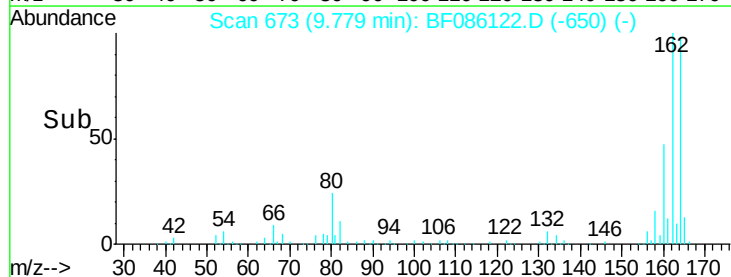
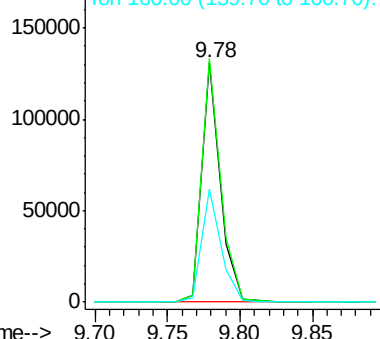
164 100

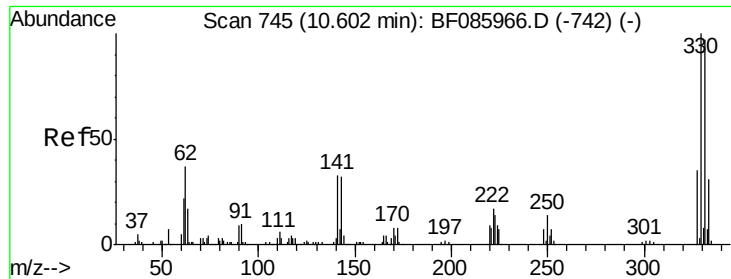
162 101.6 82.1 123.1

160 47.3 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): BF086122.D (-650) (-)

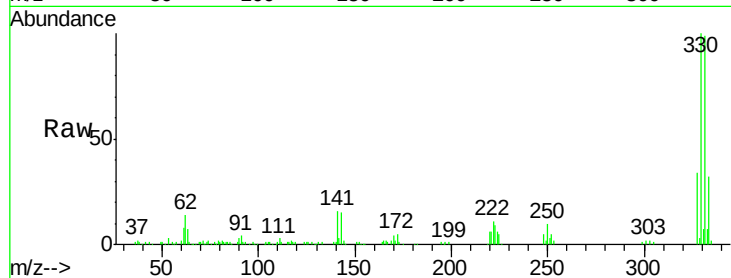




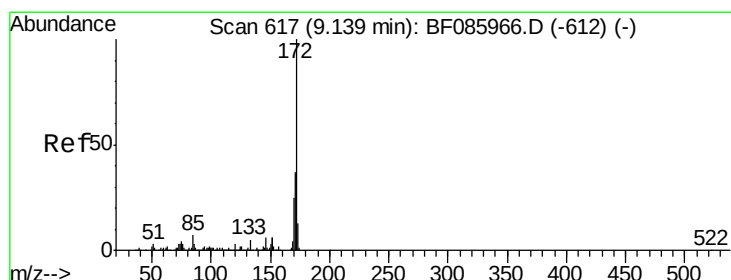
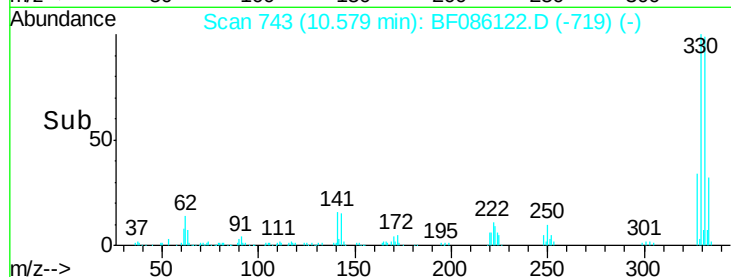
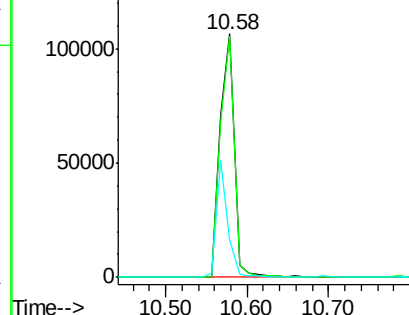
#41
 2,4,6-Tribromophenol
 Concen: 118.85 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086122.D
 Acq: 7 Apr 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.2	117.2
141	39.3	31.5	47.3

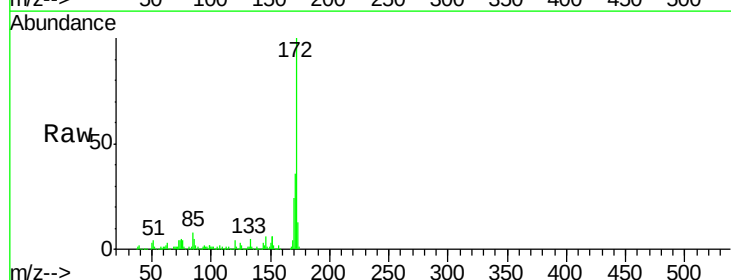


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

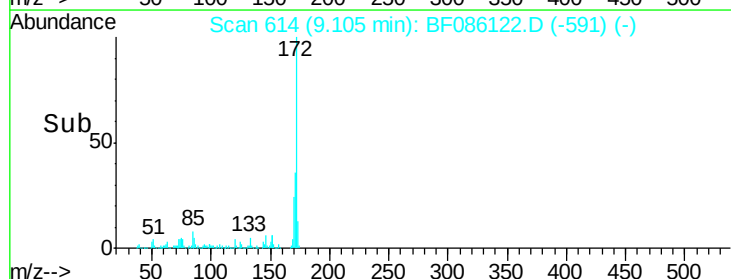
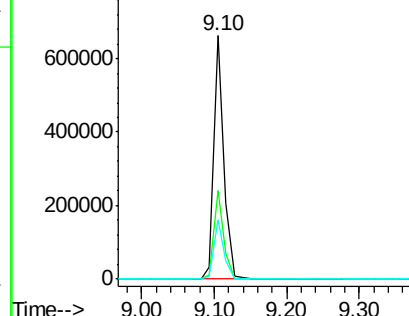


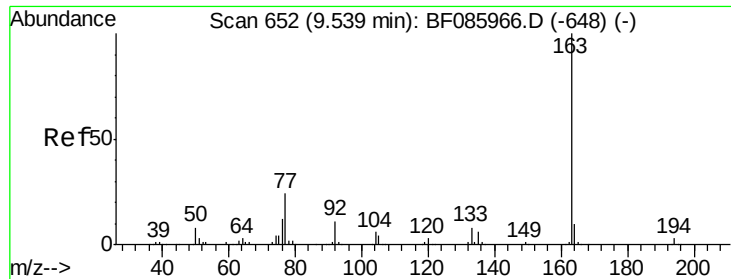
#44
 2-Fluorobiphenyl
 Concen: 90.79 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086122.D
 Acq: 7 Apr 2016 2:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.2
170	24.4	19.8	29.6



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

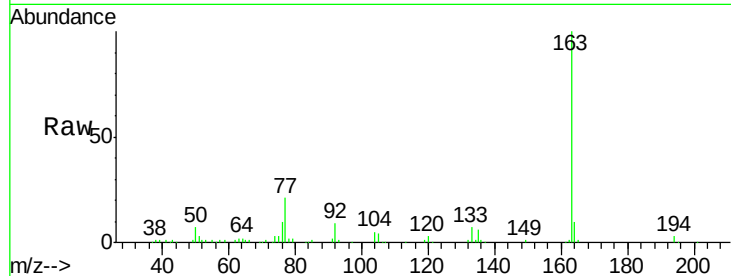




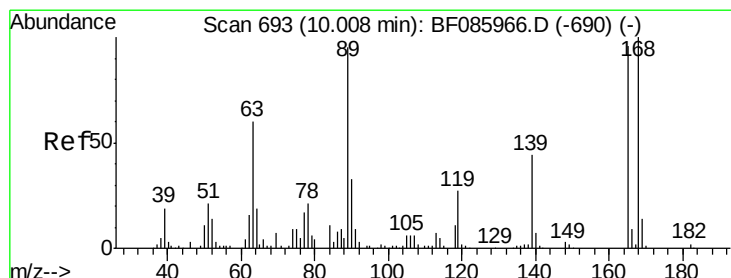
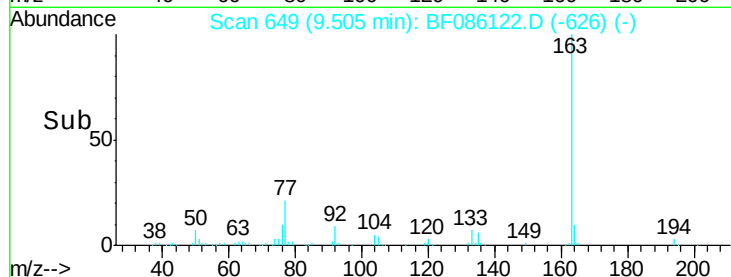
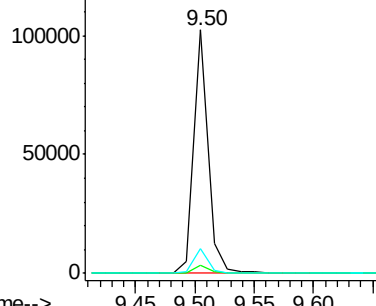
#49
Dimethylphthalate
Concen: 9.90 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086122.D
Acq: 7 Apr 2016 2:44

Instrument :
BNA_F
ClientSampled :
WC-1

Tgt Ion:163 Resp: 85035
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 10.2 8.3 12.5

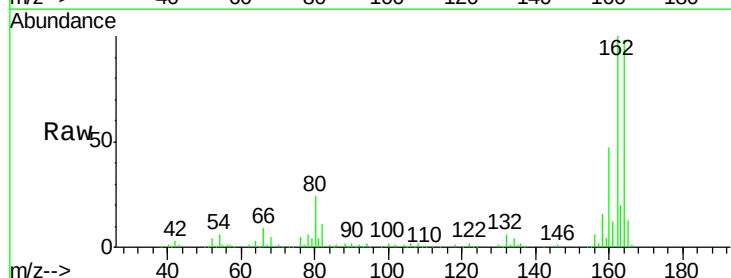


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

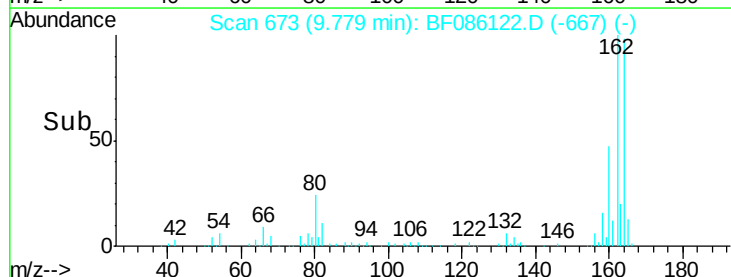
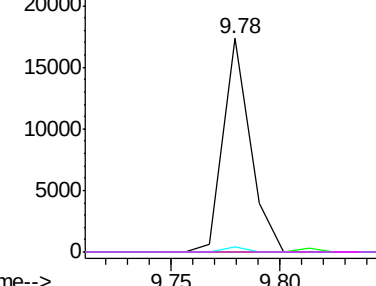


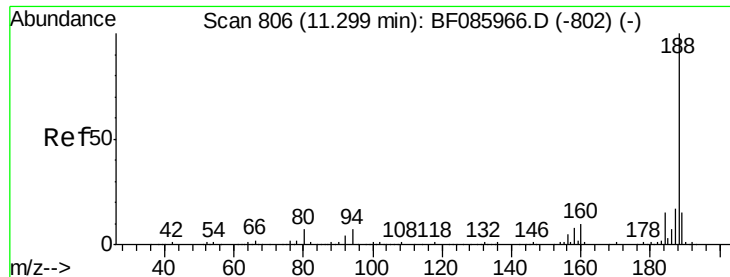
#56
2,4-Dinitrotoluene
Concen: 6.53 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.23 min
Lab File: BF086122.D
Acq: 7 Apr 2016 2:44

Tgt Ion:165 Resp: 14990
Ion Ratio Lower Upper
165 100
63 0.0 24.9 37.3#
89 2.2 41.0 61.6#
182 0.0 2.1 3.1#



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

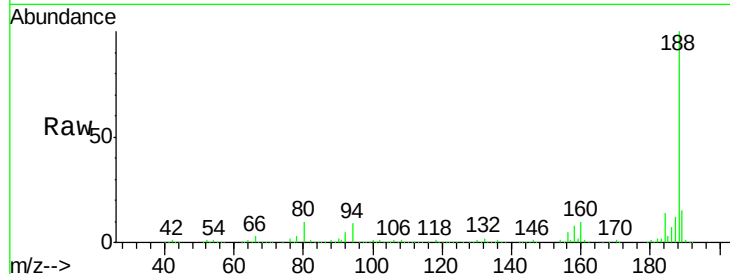




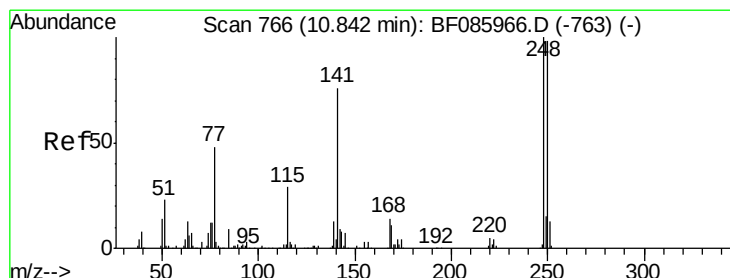
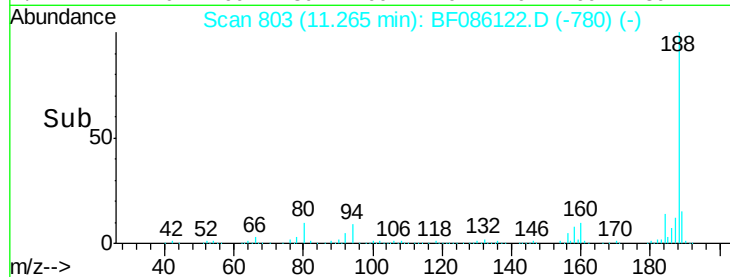
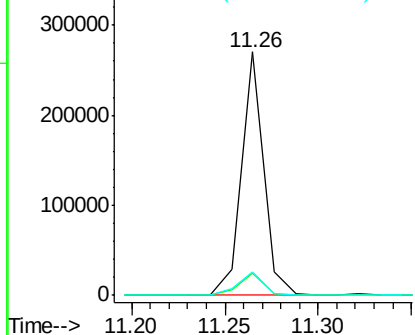
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086122.D
 Acq: 7 Apr 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:188 Resp: 226397
 Ion Ratio Lower Upper
 188 100
 94 9.1 5.4 8.0#
 80 9.6 5.5 8.3#

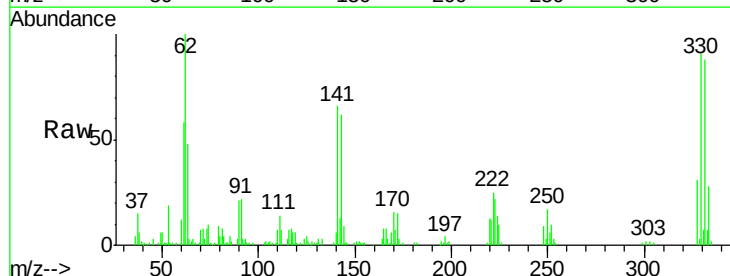


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

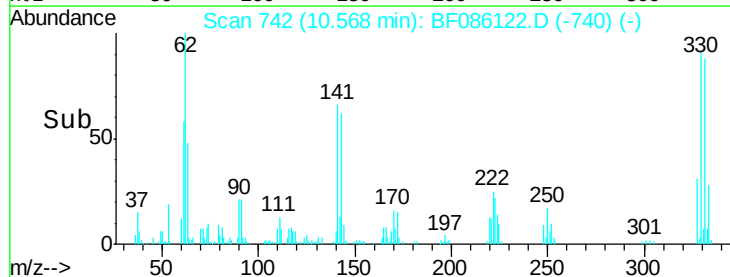
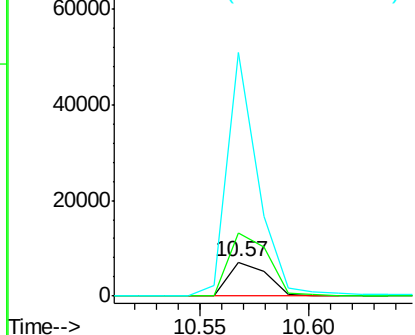


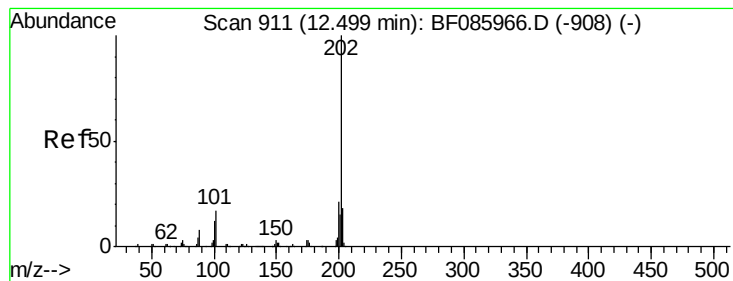
#66
 4-Bromophenyl-phenylether
 Concen: 3.79 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086122.D
 Acq: 7 Apr 2016 2:44

Tgt Ion:248 Resp: 8755
 Ion Ratio Lower Upper
 248 100
 250 186.8 77.4 116.0#
 141 714.8 63.6 95.4#



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: 3.82 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampleId :

WC-1

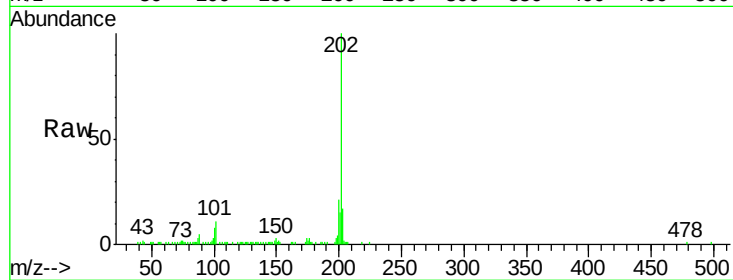
Tgt Ion:202 Resp: 49038

Ion Ratio Lower Upper

202 100

101 11.2 0.0 36.6

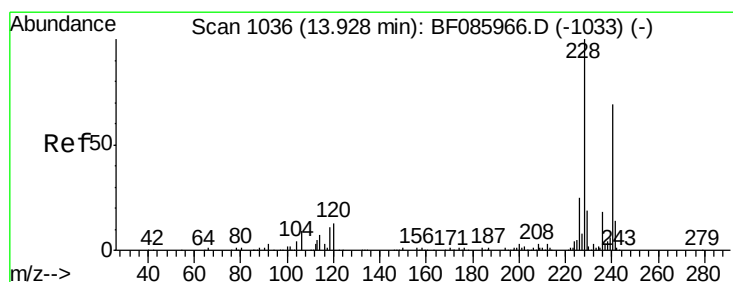
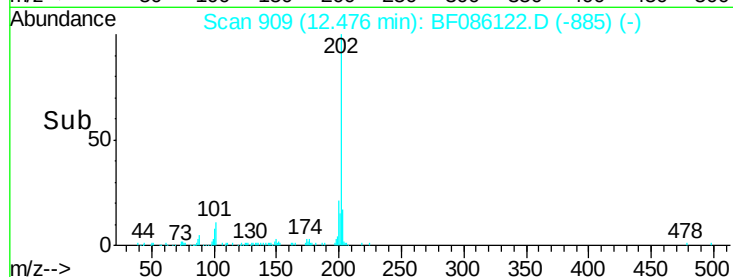
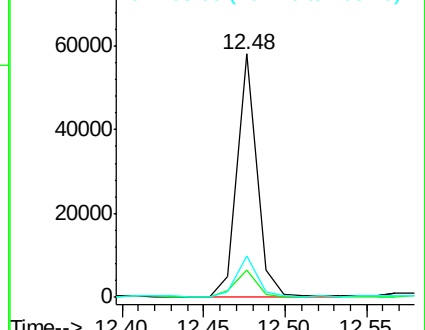
203 17.1 0.0 38.1



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: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

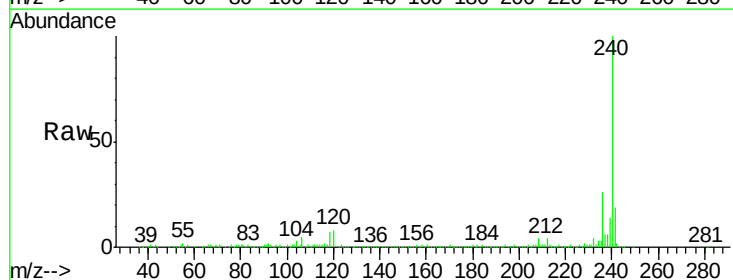
Tgt Ion:240 Resp: 218626

Ion Ratio Lower Upper

240 100

120 8.3 13.8 20.8#

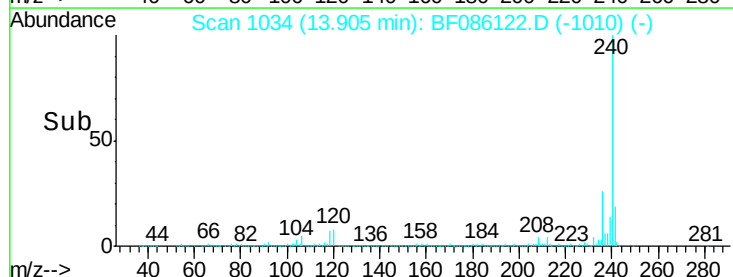
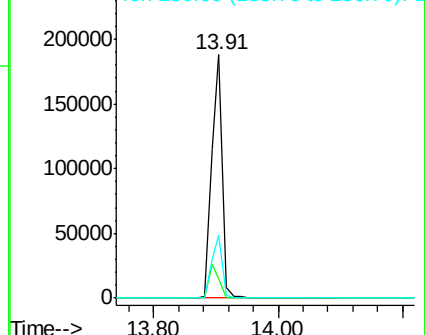
236 26.1 20.6 30.8

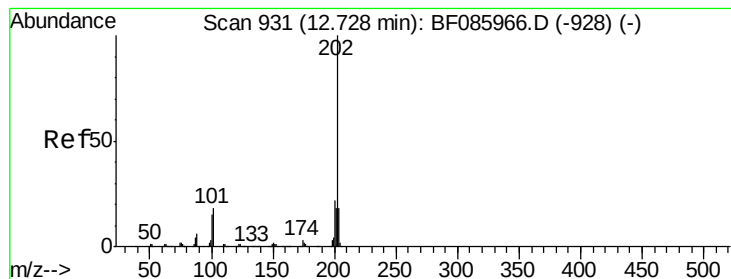


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.92 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Instrument :

BNA_F

ClientSampleId :

WC-1

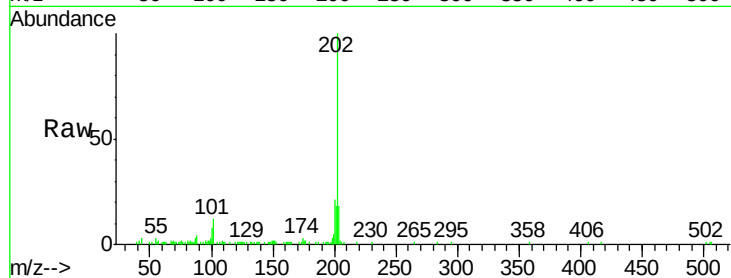
Tgt Ion:202 Resp: 44972

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

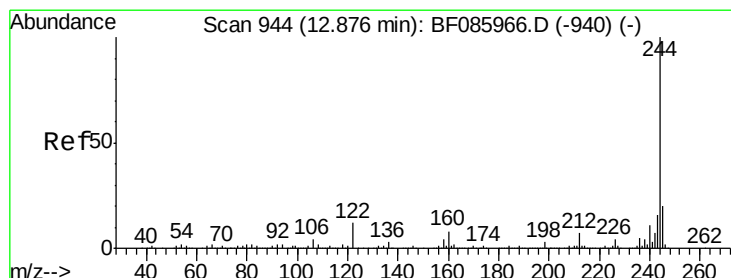
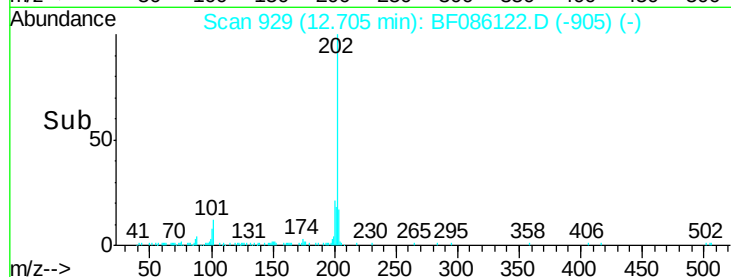
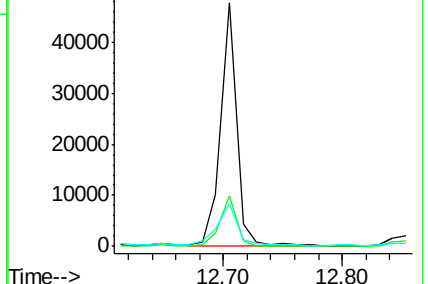
203 17.7 14.0 21.0



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: 71.12 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

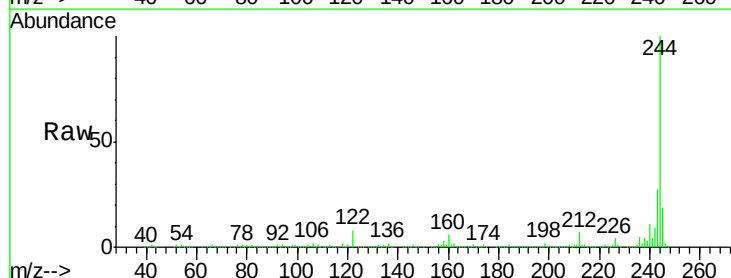
Tgt Ion:244 Resp: 661431

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

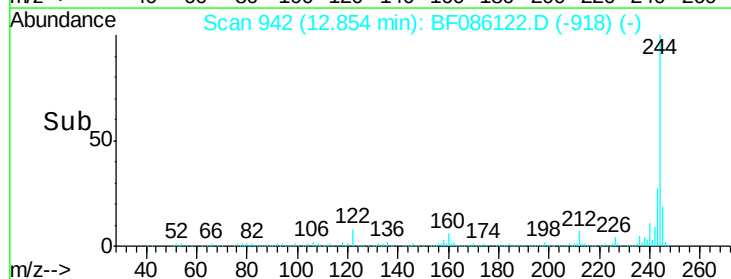
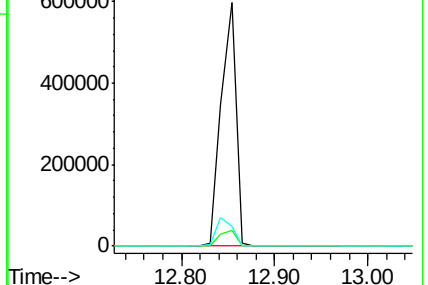
122 8.1 10.2 15.4#

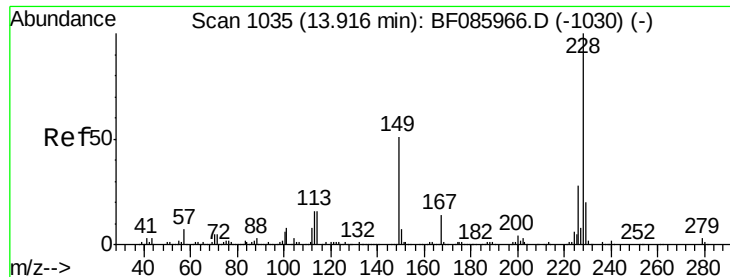


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.38 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

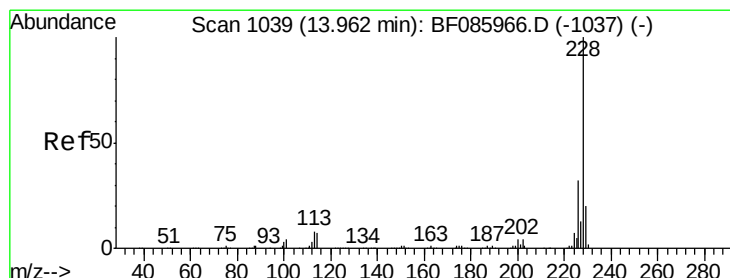
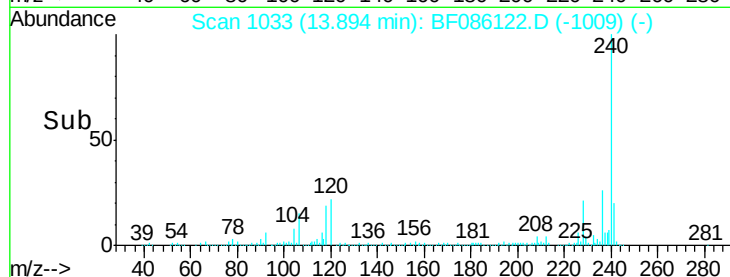
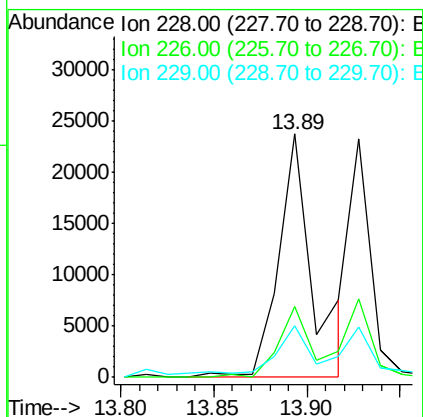
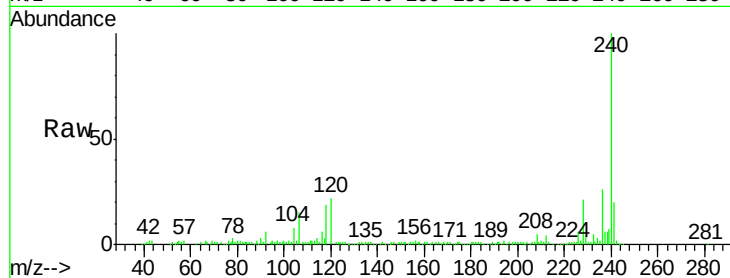
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	228	Resp:	30680
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	21.2	16.2	24.4



#82

Chrysene

Concen: 2.47 ng

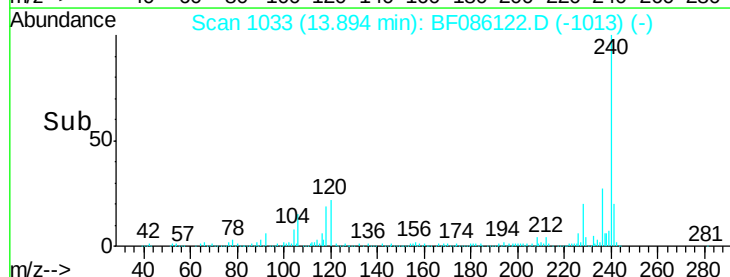
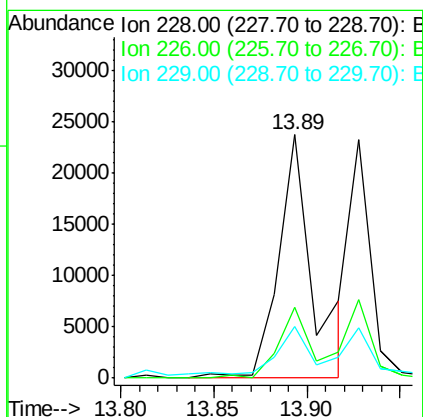
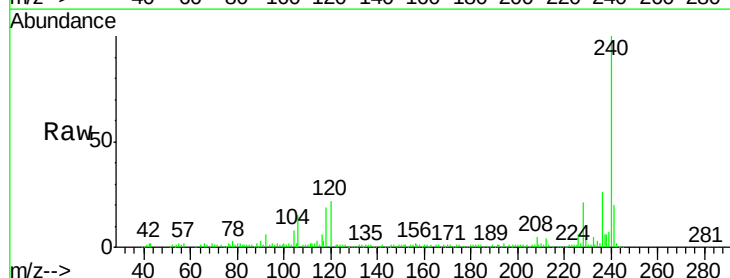
RT: 13.89 min Scan# 1033

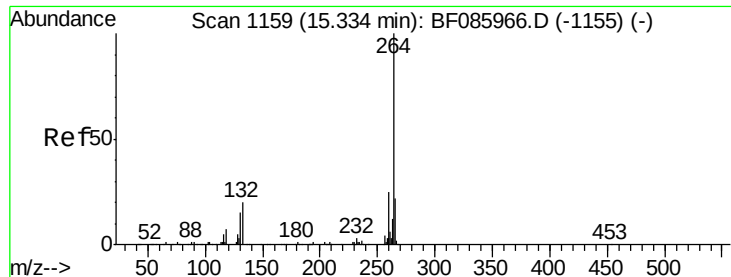
Delta R.T. -0.07 min

Lab File: BF086122.D

Acq: 7 Apr 2016 2:44

Tgt Ion:	228	Resp:	30680
Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.2	15.7	23.5

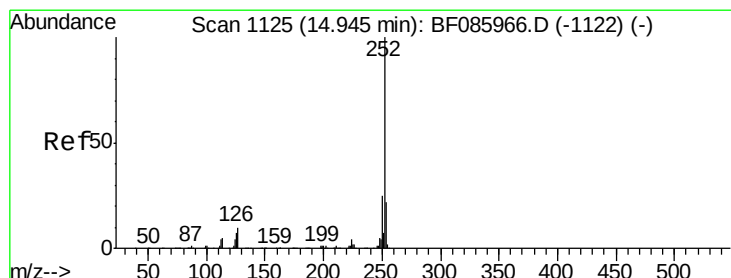
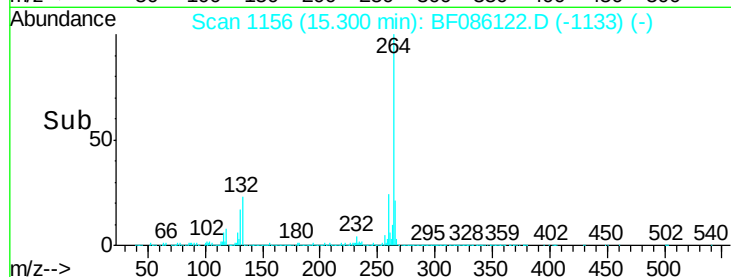
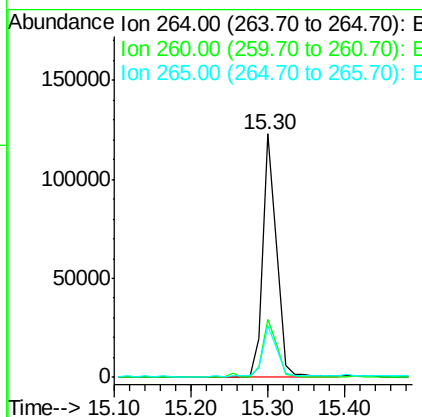
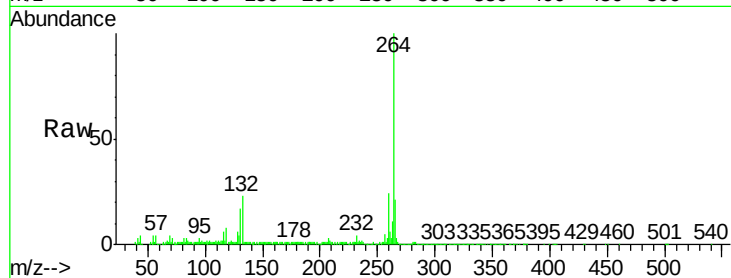




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086122.D
Acq: 7 Apr 2016 2:44

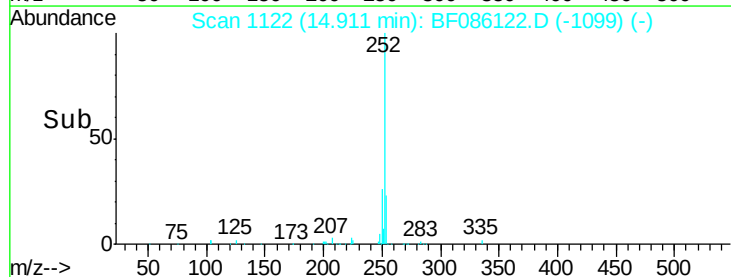
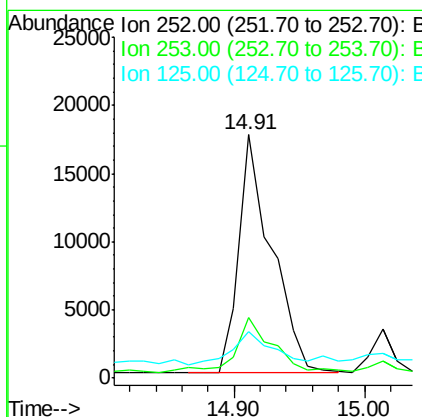
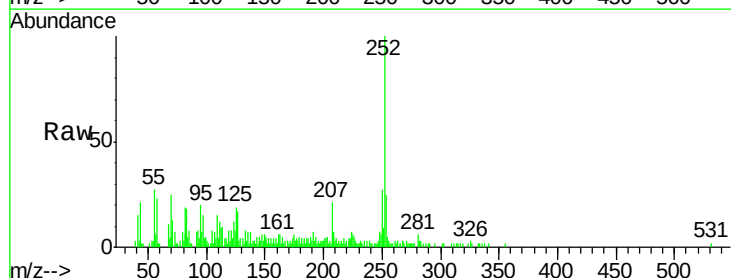
Instrument :
BNA_F
ClientSampleId :
WC-1

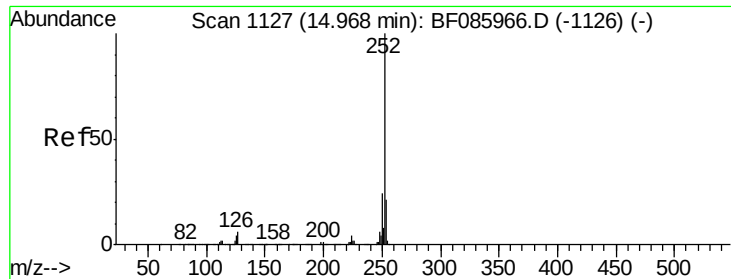
Tgt Ion:264 Resp: 152472
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.18 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086122.D
Acq: 7 Apr 2016 2:44

Tgt Ion:252 Resp: 30481
Ion Ratio Lower Upper
252 100
253 25.1 17.6 26.4
125 19.2 10.3 15.5#





#88
 Benzo(k)fluoranthene
 Concen: 3.59 ng
 RT: 14.91 min Scan# 1122
 Delta R.T. -0.06 min
 Lab File: BF086122.D
 Acq: 7 Apr 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion: 252 Resp: 30481
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.8 26.6
 125 19.2 7.7 11.5#

