

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086269.D
 Acq On : 16 Apr 2016 16:45
 Operator : UM/SJ
 Sample : H2413-01
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-A-1(0-2)

Quant Time: Apr 18 04:12:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

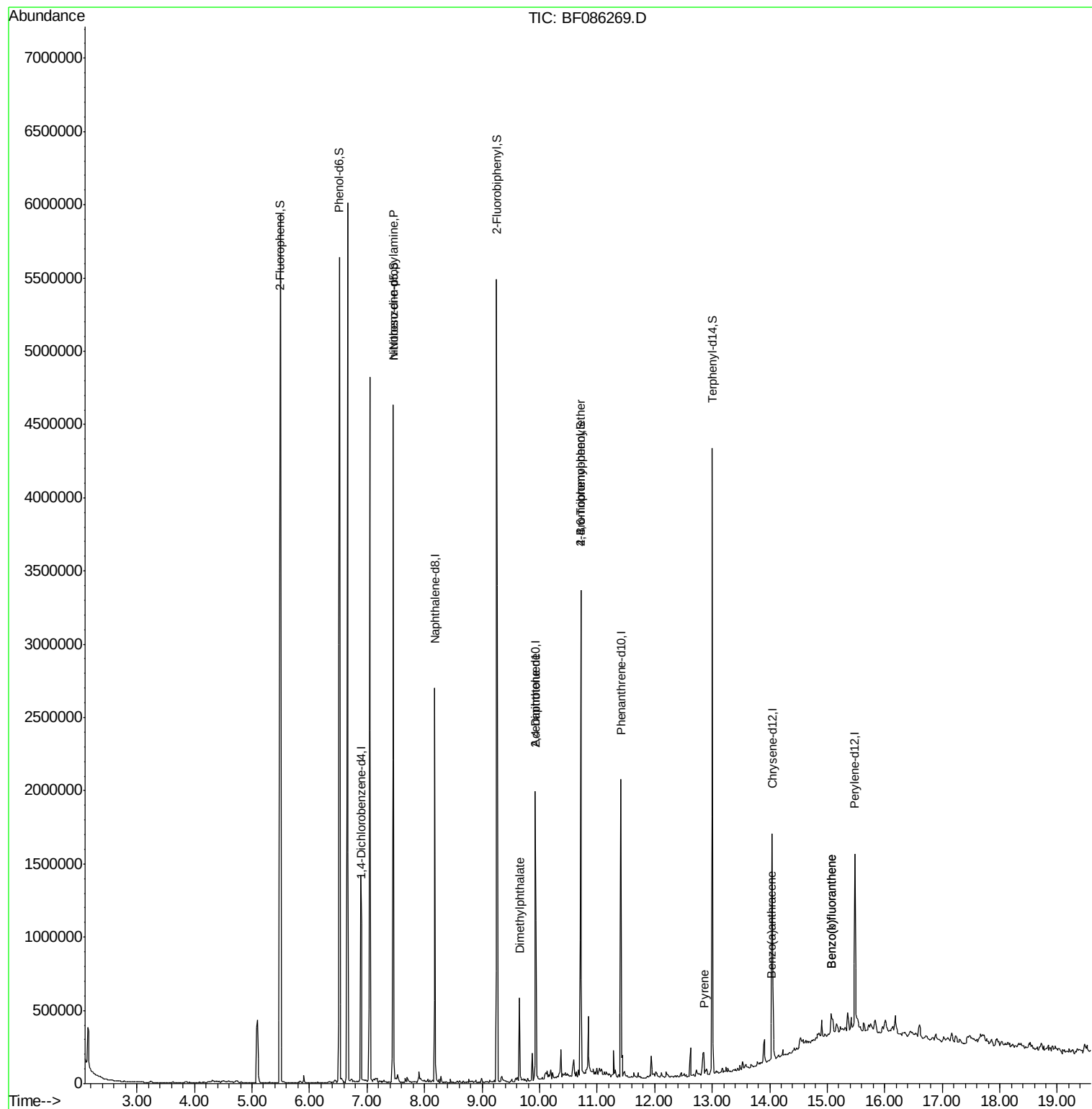
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	283485	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1126215	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	444394	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	687636	20.00	ng	0.00
75) Chrysene-d12	14.04	240	510414	20.00	ng	-0.01
86) Perylene-d12	15.48	264	529925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1897941	109.70	ng	0.01
7) Phenol-d6	6.52	99	2243150	103.65	ng	0.00
23) Nitrobenzene-d5	7.46	82	1645549	84.27	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	377347	105.75	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2202885	91.47	ng	-0.01
78) Terphenyl-d14	13.00	244	1316437	64.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	233234	16.84	ng	# 83
22) Acetophenone	7.30	105	1830	Below	Cal	# 85
49) Dimethylphthalate	9.65	163	347282	10.75	ng	99
56) 2,4-Dinitrotoluene	9.93	165	58837	6.43	ng	# 31
57) Fluorene	10.48	166	4982	Below	Cal	# 96
60) 4-Chlorophenyl-phenylether	10.48	204	458	Below	Cal	# 53
66) 4-Bromophenyl-phenylether	10.72	248	22519	3.51	ng	# 1
71) Anthracene	11.48	178	14386	Below	Cal	98
74) Fluoranthene	12.62	202	93560	Below	Cal	92
77) Pyrene	12.85	202	87264	2.23	ng	96
80) Benzo(a)anthracene	14.03	228	57057	2.04	ng	97
87) Benzo(b)fluoranthene	15.07	252	108796	3.33	ng	# 87
88) Benzo(k)fluoranthene	15.07	252	108796	3.65	ng	# 83

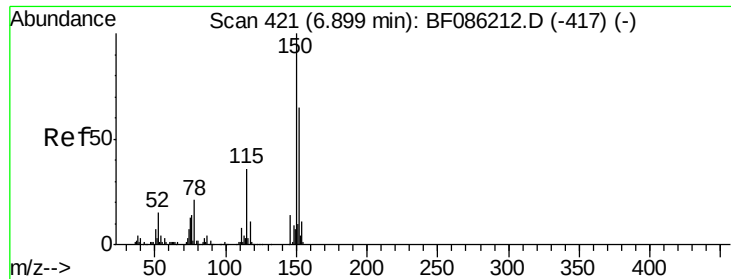
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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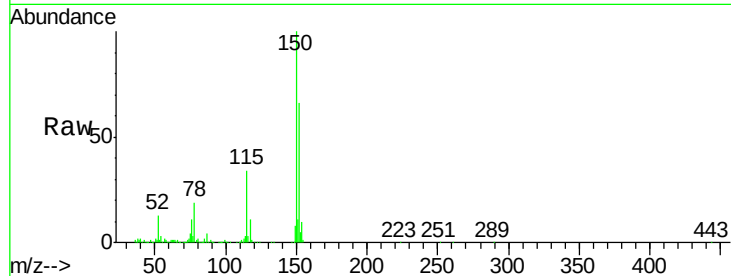


#1

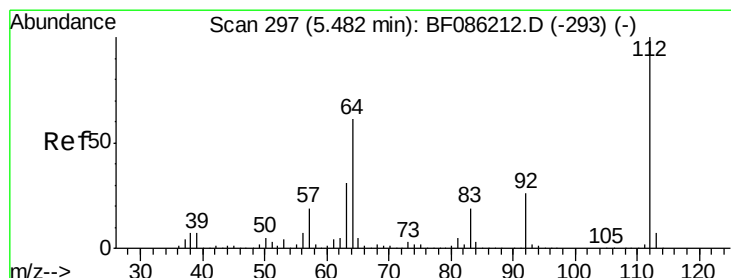
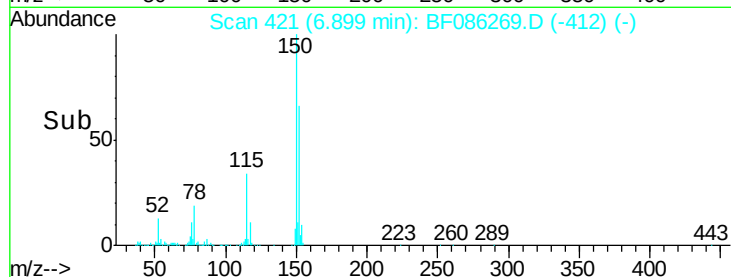
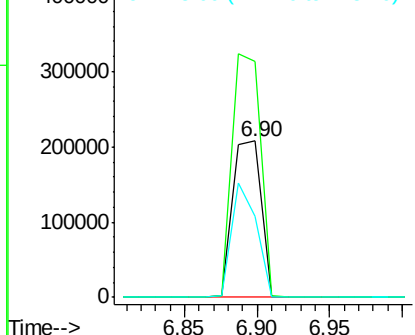
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SP-2-A-1(0-2)

Tgt Ion:152 Resp: 283485
Ion Ratio Lower Upper
152 100
150 151.3 124.1 186.1
115 52.1 43.9 65.9



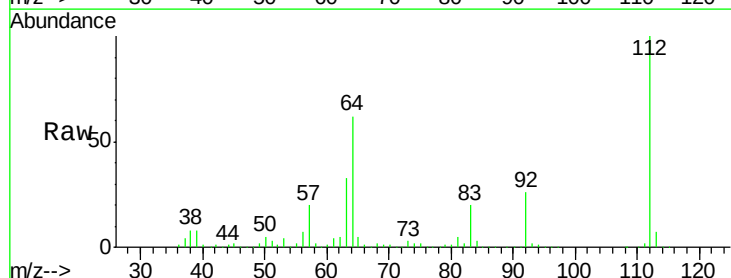
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



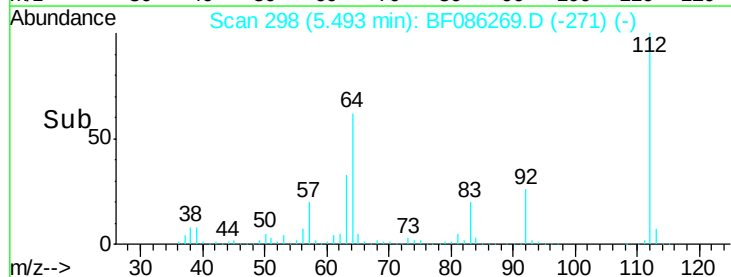
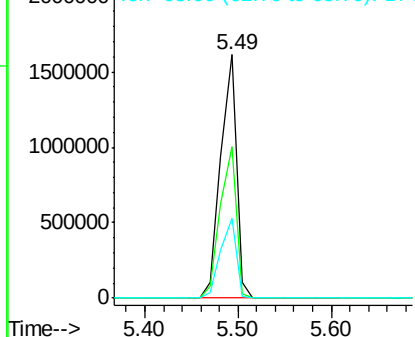
#5

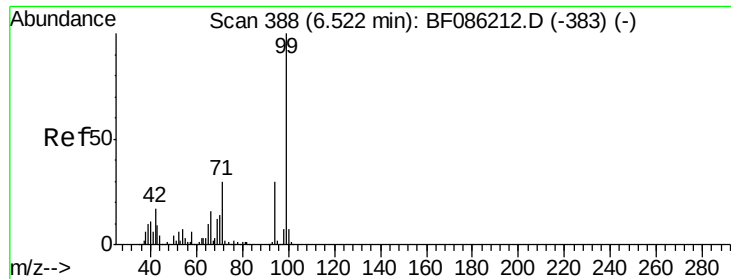
2-Fluorophenol
Concen: 109.70 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Tgt Ion:112 Resp: 1897941
Ion Ratio Lower Upper
112 100
64 62.2 48.1 72.1
63 32.7 25.5 38.3



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: 103.65 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

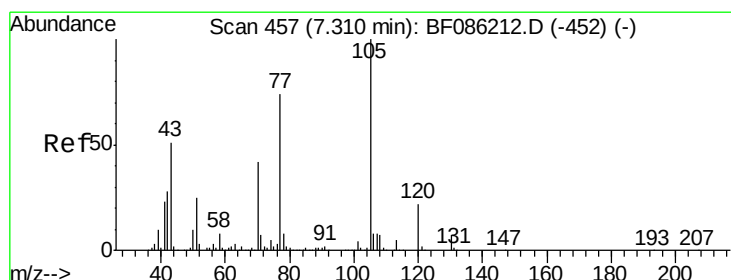
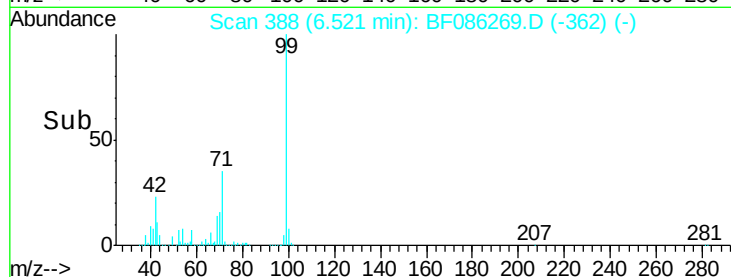
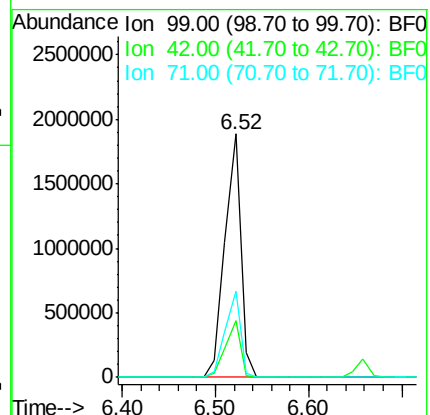
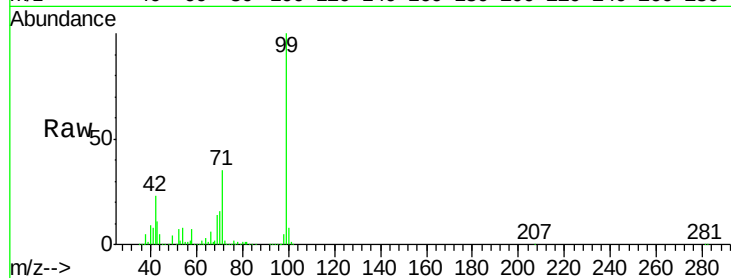
Tgt Ion: 99 Resp: 2243150

Ion Ratio Lower Upper

99 100

42 23.1 15.4 23.2

71 35.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.84 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Tgt Ion: 70 Resp: 233234

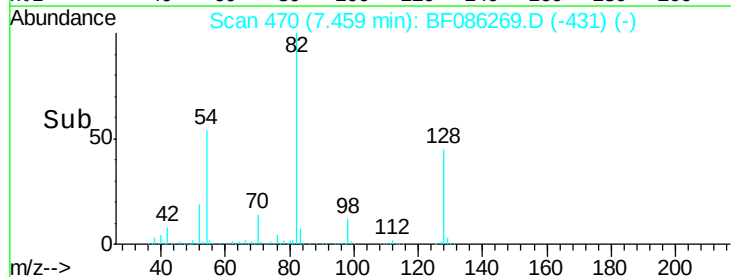
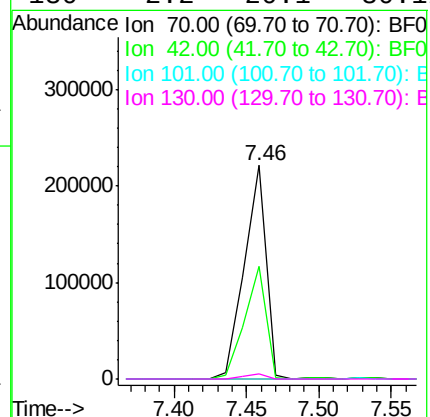
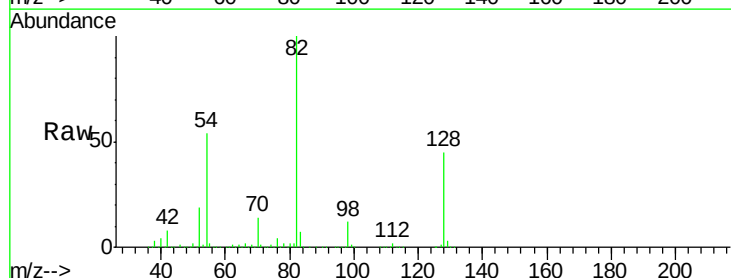
Ion Ratio Lower Upper

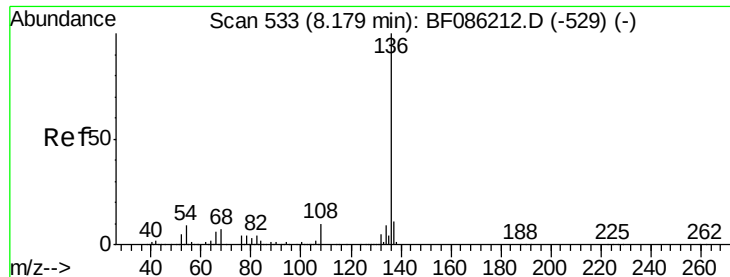
70 100

42 52.7 43.0 64.4

101 0.0 8.1 12.1#

130 2.2 20.1 30.1#

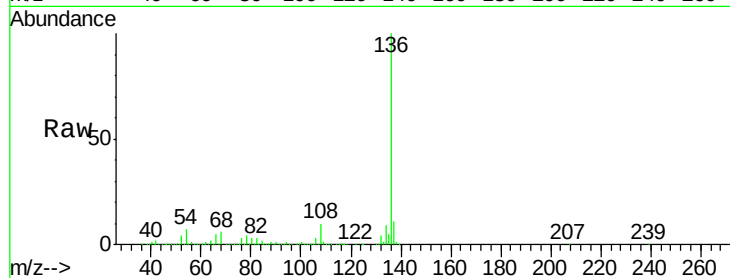




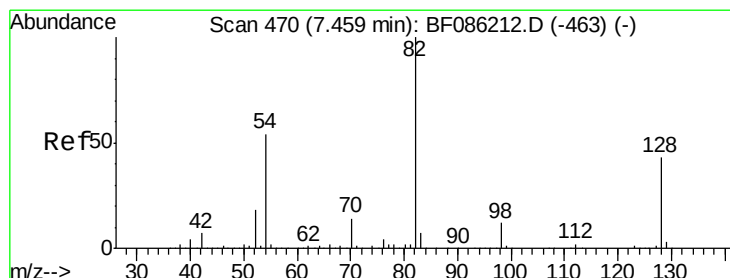
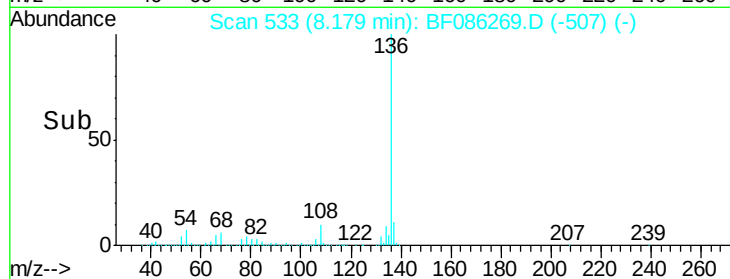
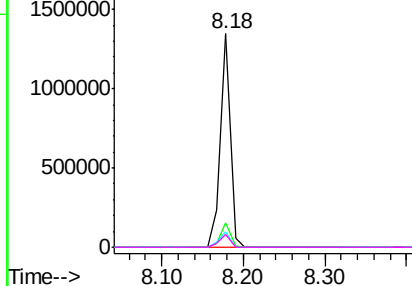
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SP-2-A-1(0-2)

Tgt Ion:	136	Resp:	1126215
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.4	7.3	10.9
68	6.3	5.7	8.5

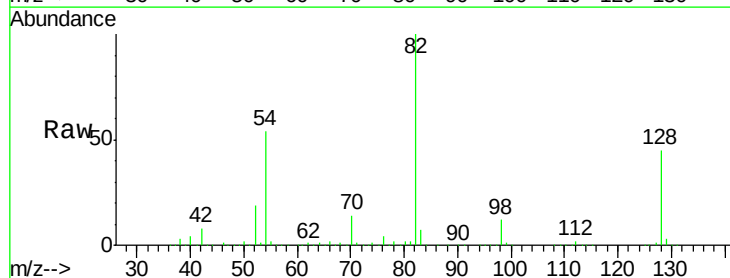


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

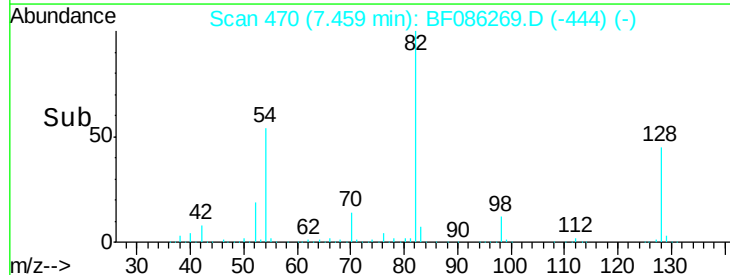
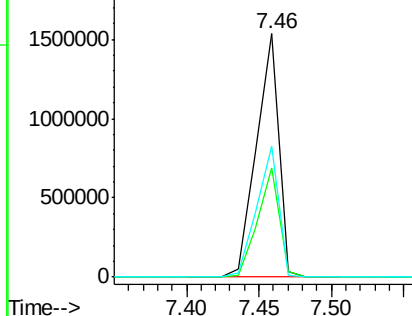


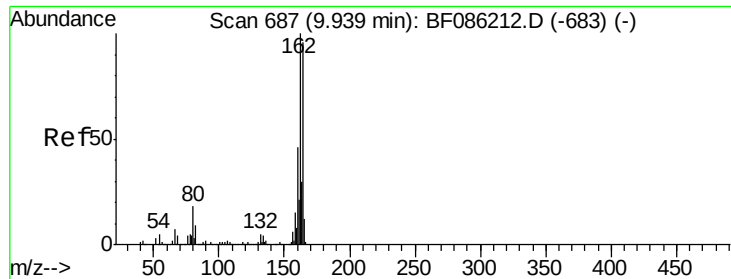
#23
Nitrobenzene-d5
Concen: 84.27 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Tgt Ion:	82	Resp:	1645549
Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.4	53.2
54	53.7	43.4	65.0



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

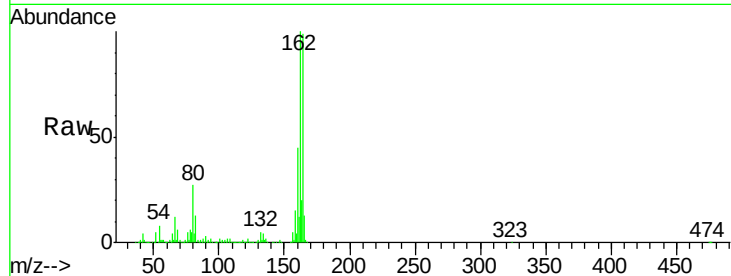
Tgt Ion:164 Resp: 444394

Ion Ratio Lower Upper

164 100

162 101.4 82.8 124.2

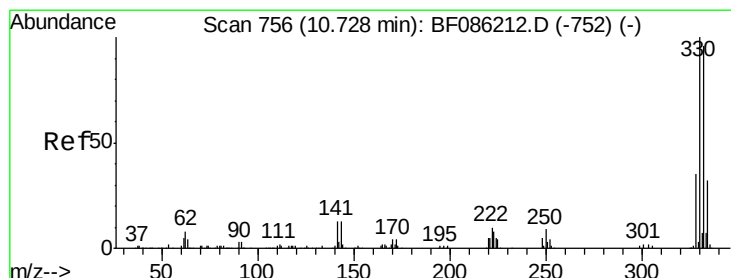
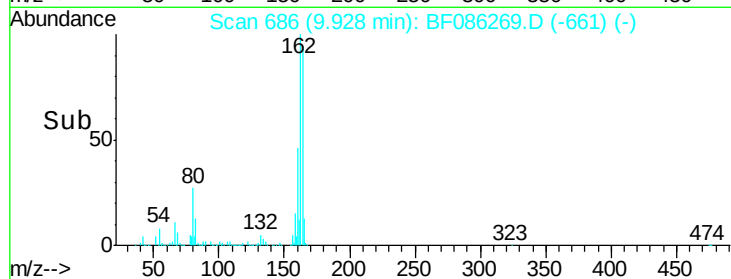
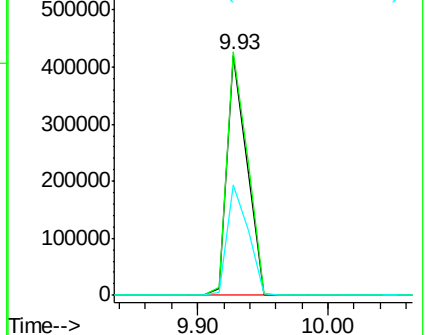
160 46.1 38.9 58.3



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: 105.75 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

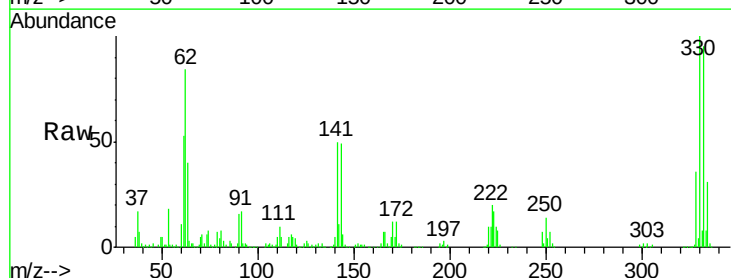
Tgt Ion:330 Resp: 377347

Ion Ratio Lower Upper

330 100

332 95.0 78.7 118.1

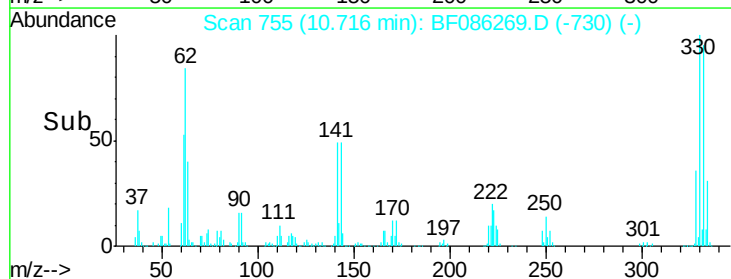
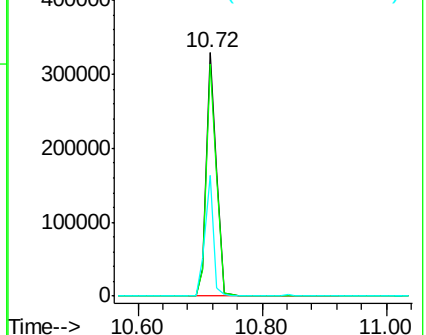
141 41.4 28.6 42.8

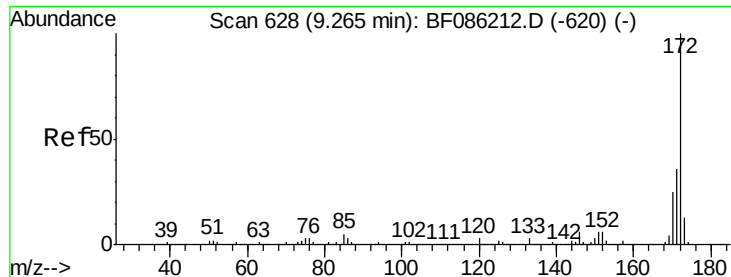


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

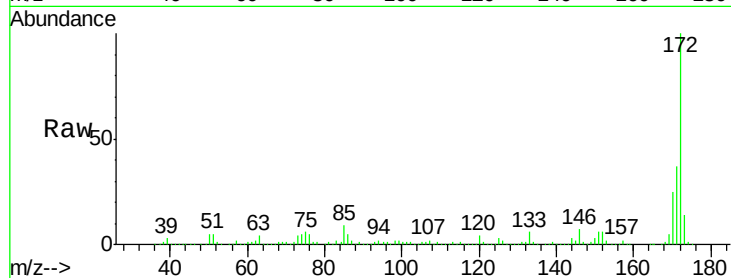




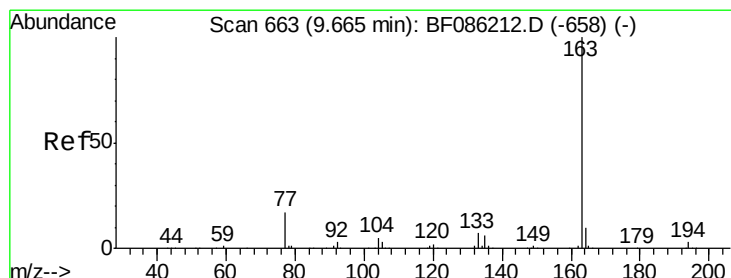
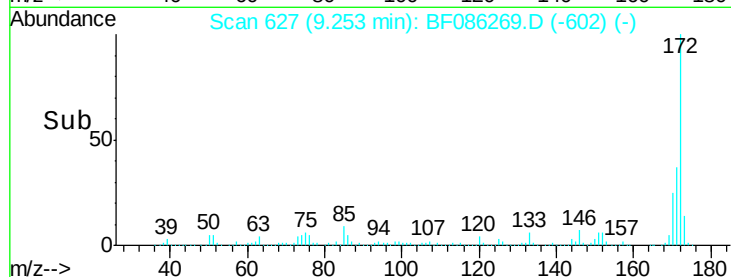
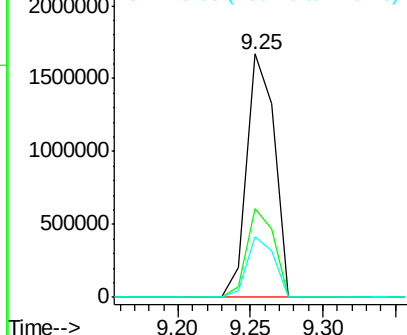
#44
2-Fluorobiphenyl
Concen: 91.47 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SP-2-A-1(0-2)

Tgt Ion:172 Resp: 2202885
Ion Ratio Lower Upper
172 100
171 36.5 29.1 43.7
170 24.9 19.9 29.9

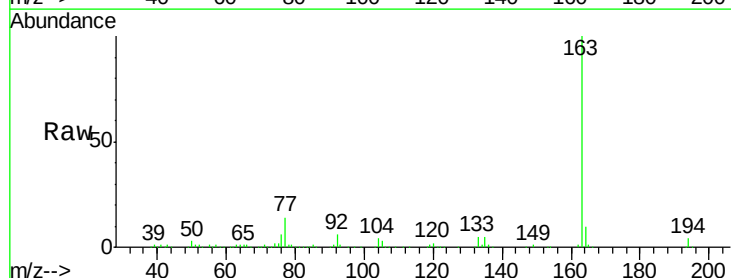


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

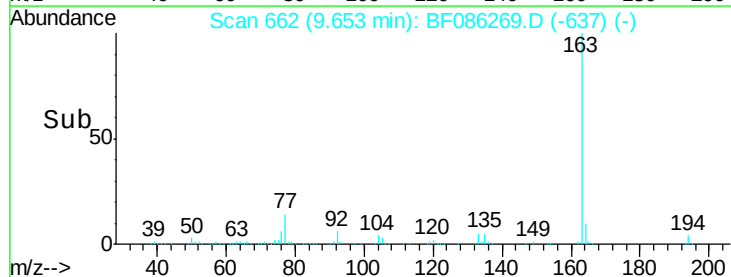
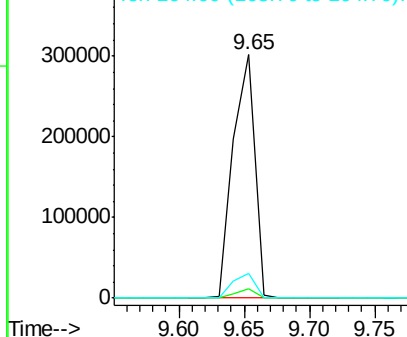


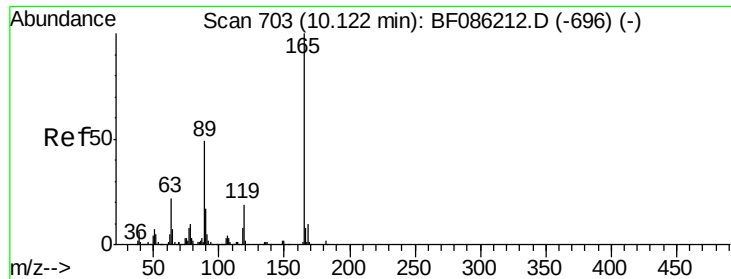
#49
Dimethylphthalate
Concen: 10.75 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Tgt Ion:163 Resp: 347282
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 10.0 8.4 12.6



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: 6.43 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.19 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

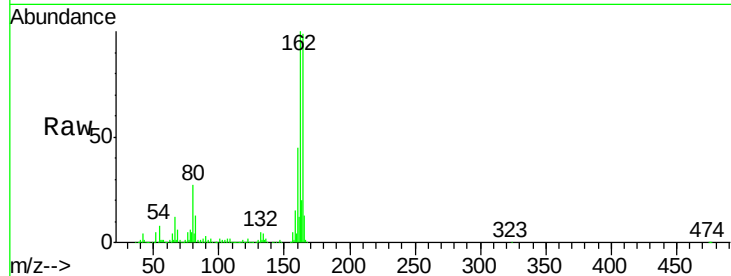
Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

Tgt Ion:	165	Resp:	58837
Ion Ratio	Lower	Upper	
165	100		
63	1.6	26.6	40.0#
89	1.6	49.5	74.3#
182	0.0	1.9	2.9#

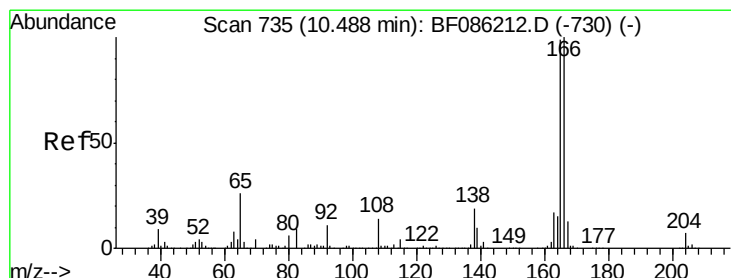
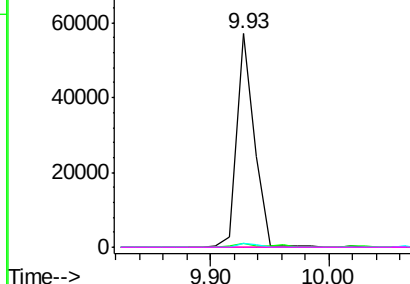
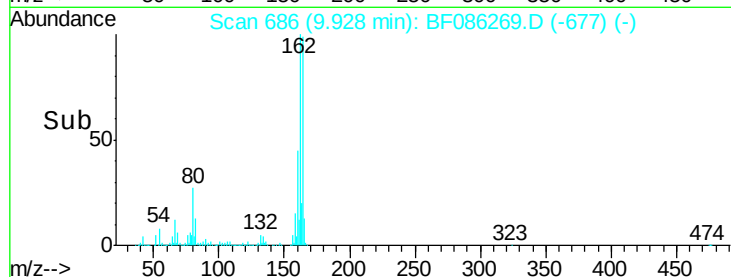


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

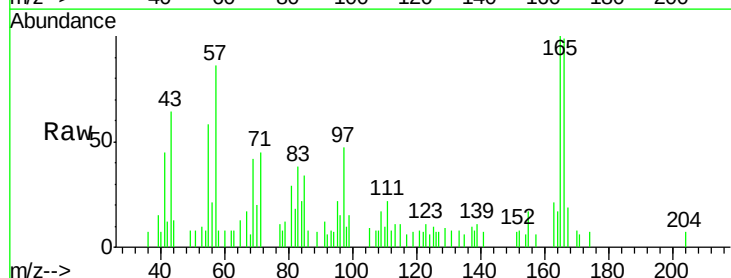
RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

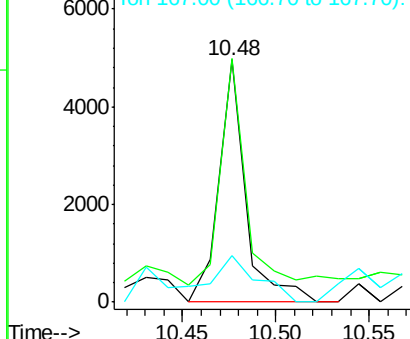
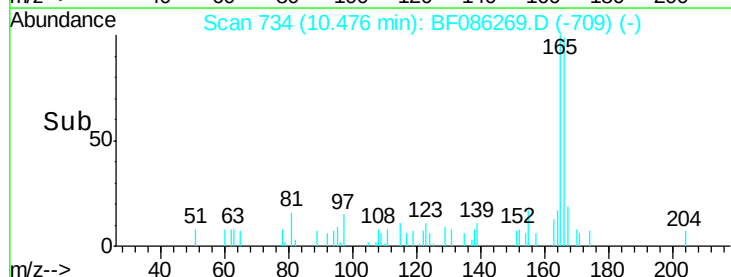
Tgt Ion:	166	Resp:	4982
Ion Ratio	Lower	Upper	
166	100		
165	100.5	78.6	117.8
167	19.1	10.4	15.6#

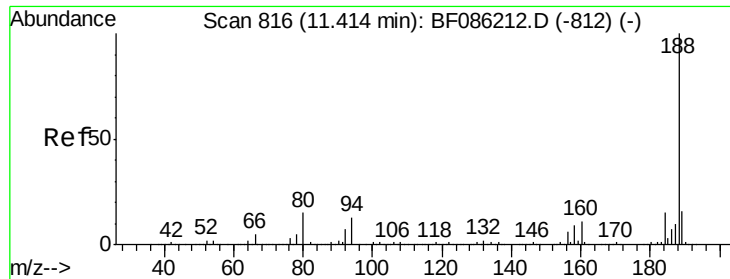


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

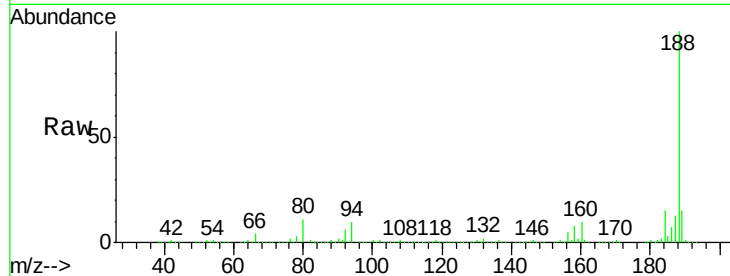




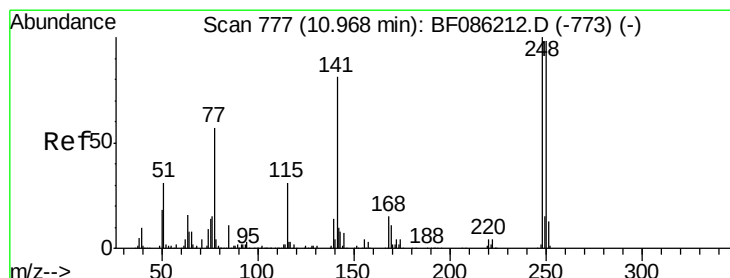
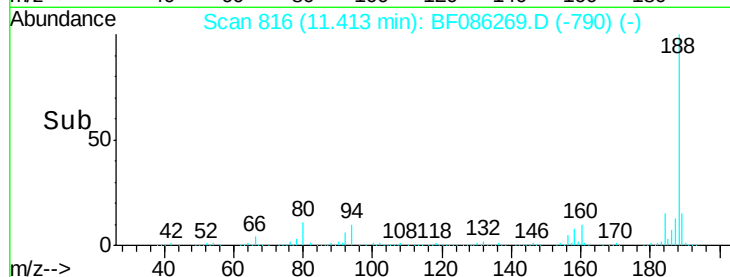
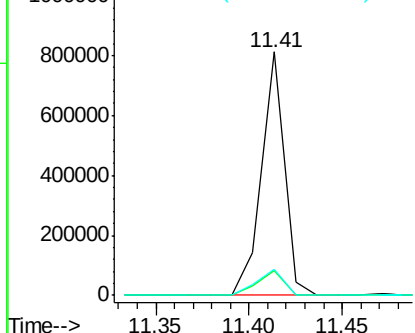
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF086269.D
 Acq: 16 Apr 2016 16:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-A-1(0-2)

Tgt Ion:188 Resp: 687636
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.8 14.8
 80 10.9 10.5 15.7

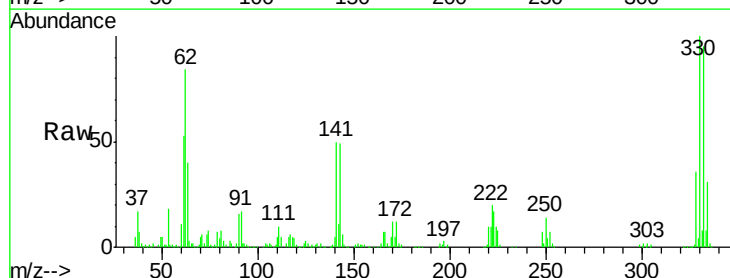


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

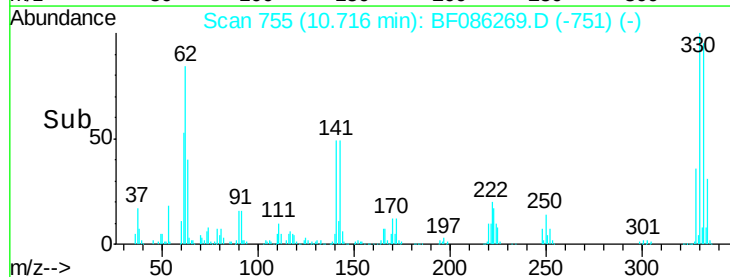
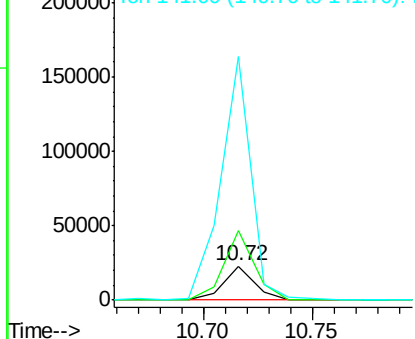


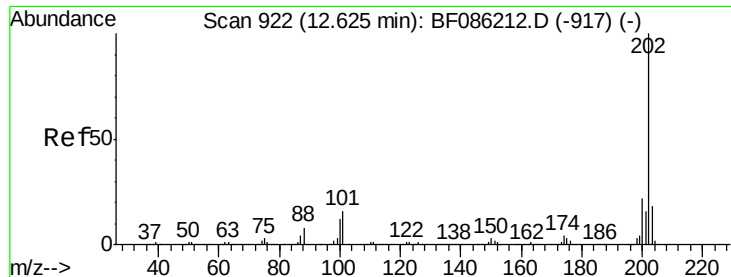
#66
 4-Bromophenyl-phenylether
 Concen: 3.51 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.25 min
 Lab File: BF086269.D
 Acq: 16 Apr 2016 16:45

Tgt Ion:248 Resp: 22519
 Ion Ratio Lower Upper
 248 100
 250 204.5 78.6 118.0#
 141 722.4 57.9 86.9#



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: Below Cal

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

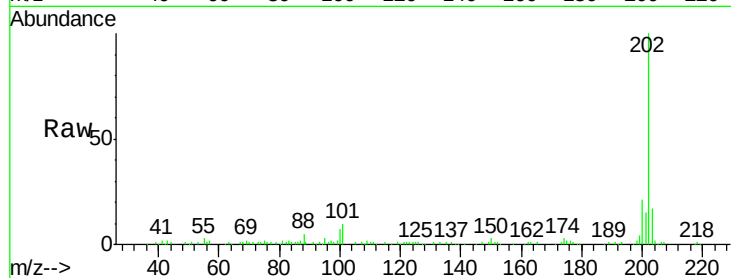
Tgt Ion:202 Resp: 93560

Ion Ratio Lower Upper

202 100

101 10.0 0.0 35.2

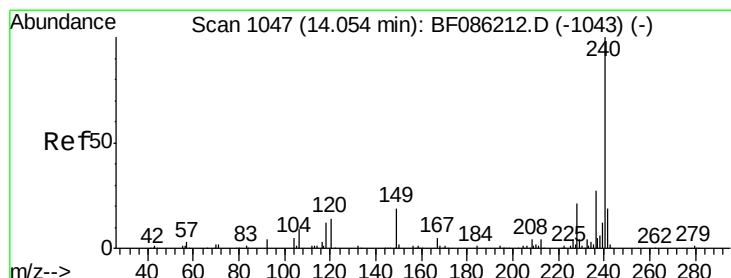
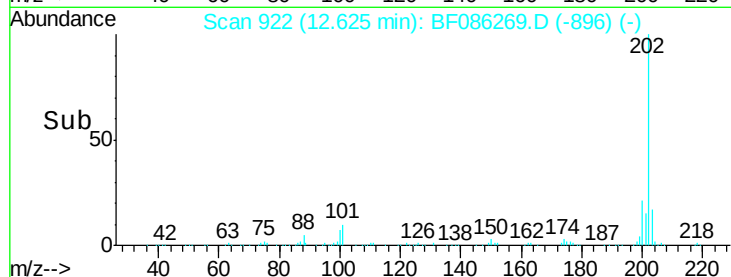
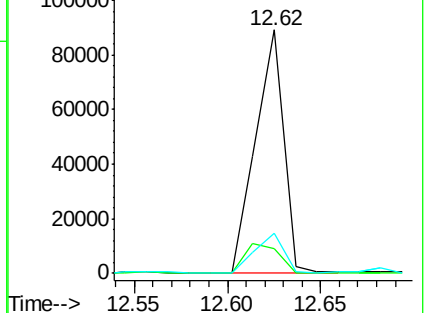
203 16.6 0.0 38.2



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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

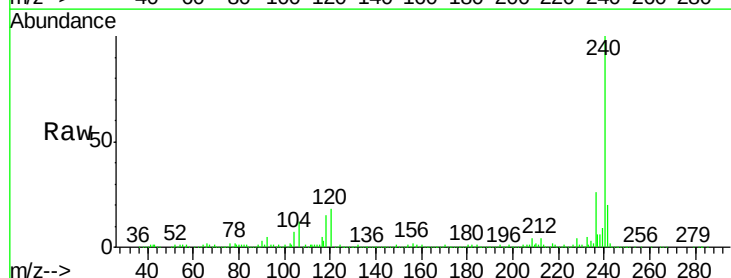
Tgt Ion:240 Resp: 510414

Ion Ratio Lower Upper

240 100

120 17.9 9.3 13.9#

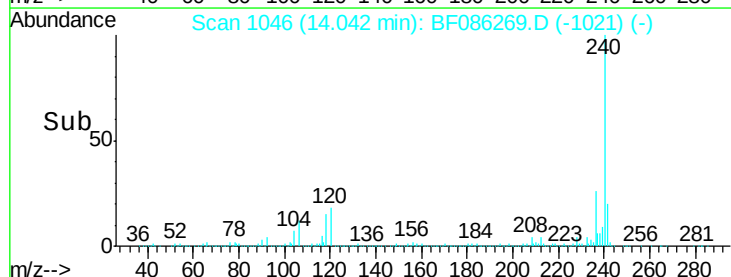
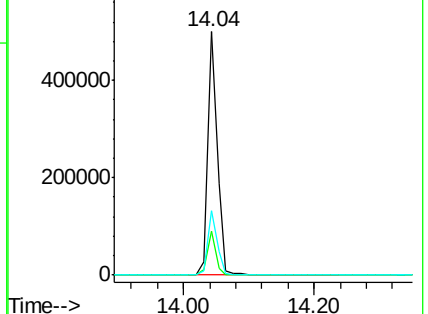
236 26.5 21.1 31.7

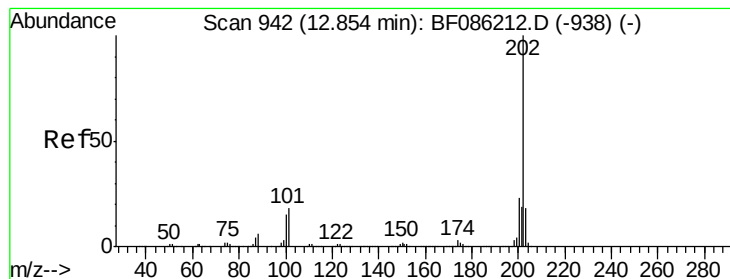


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.23 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

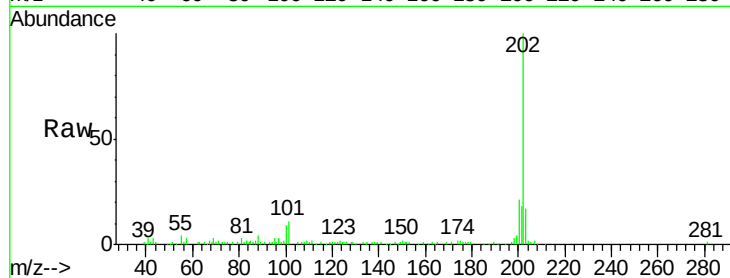
Tgt Ion:202 Resp: 87264

Ion Ratio Lower Upper

202 100

200 20.6 18.3 27.5

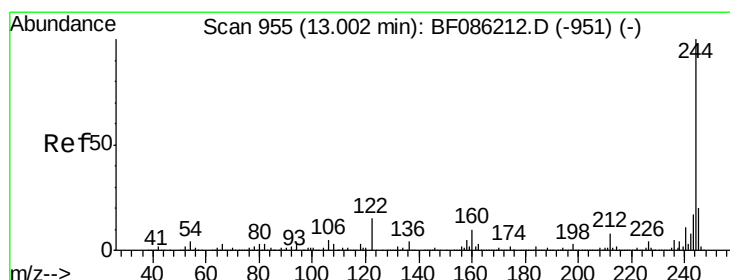
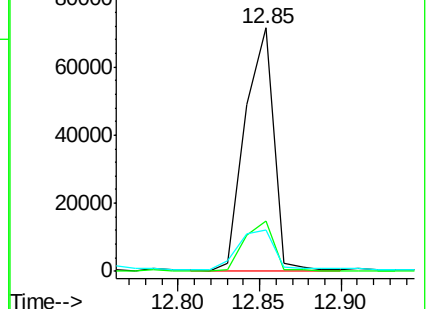
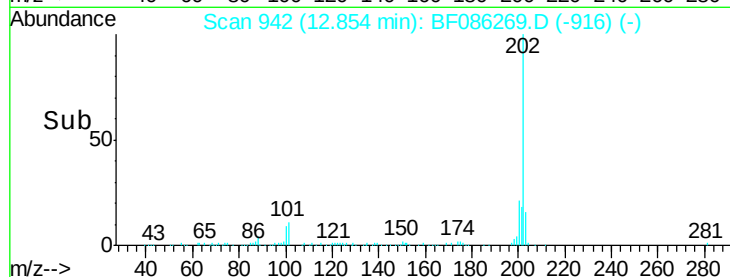
203 17.1 14.9 22.3



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: 64.85 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

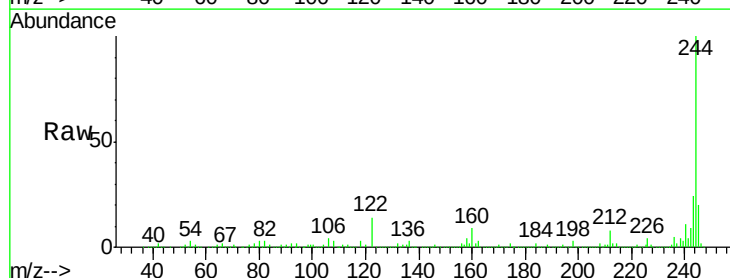
Tgt Ion:244 Resp: 1316437

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

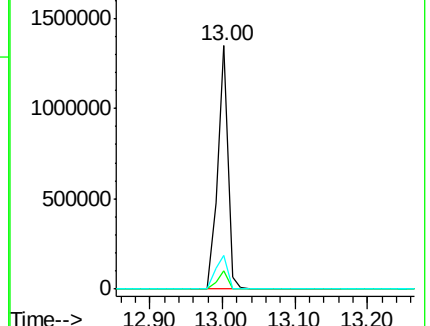
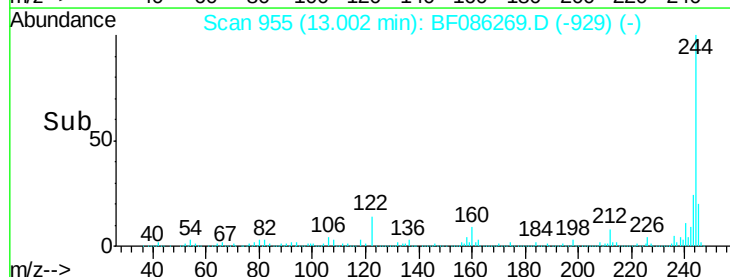
122 13.8 11.7 17.5

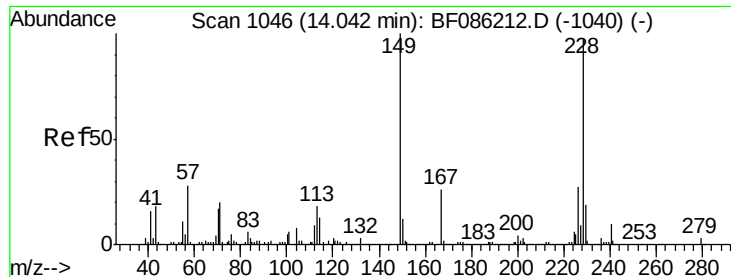


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

Instrument :

BNA_F

ClientSampleId :

SP-2-A-1(0-2)

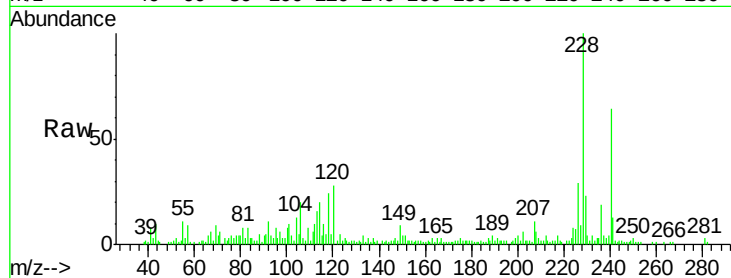
Tgt Ion:228 Resp: 57057

Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

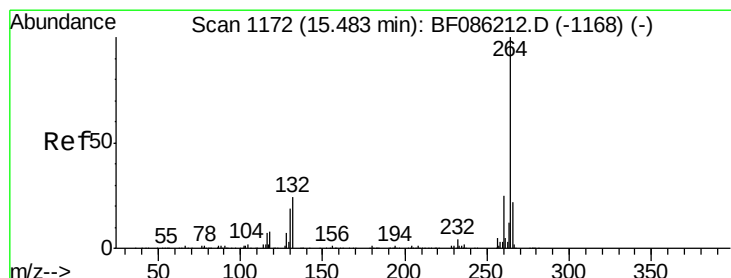
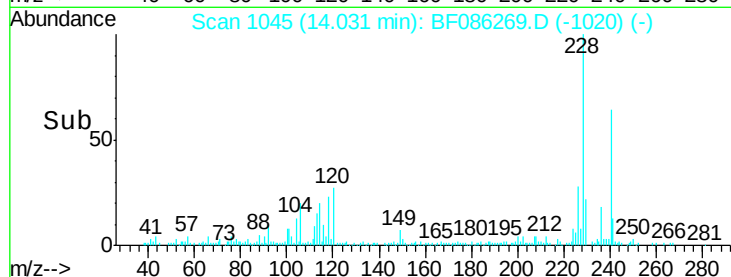
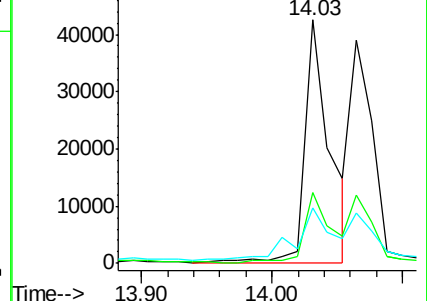
229 22.6 16.2 24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086269.D

Acq: 16 Apr 2016 16:45

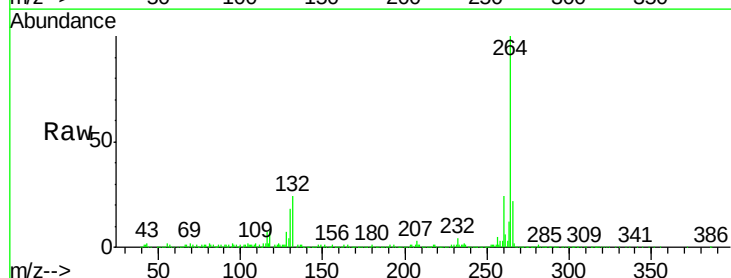
Tgt Ion:264 Resp: 529925

Ion Ratio Lower Upper

264 100

260 24.1 20.0 30.0

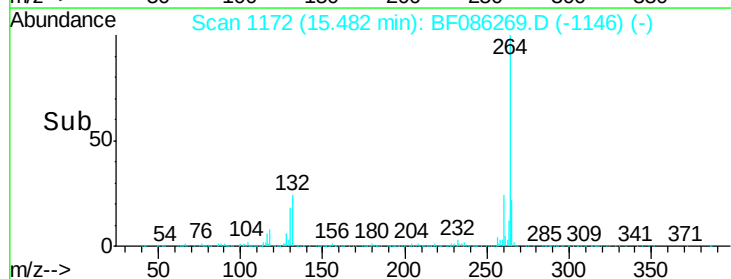
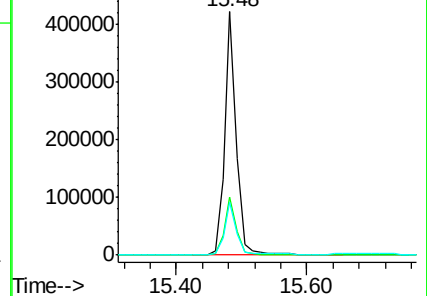
265 22.0 17.4 26.0

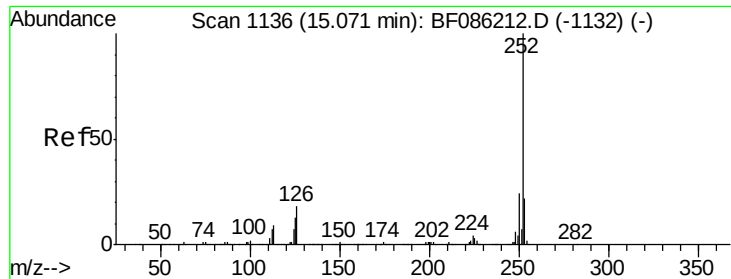


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

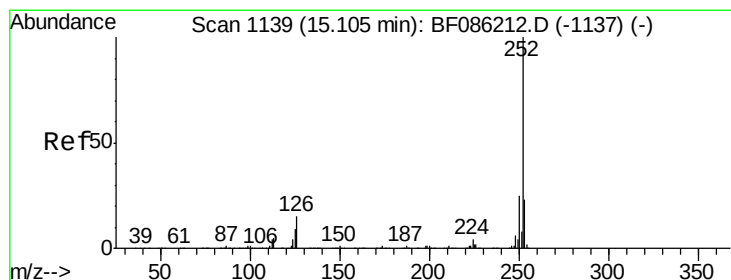
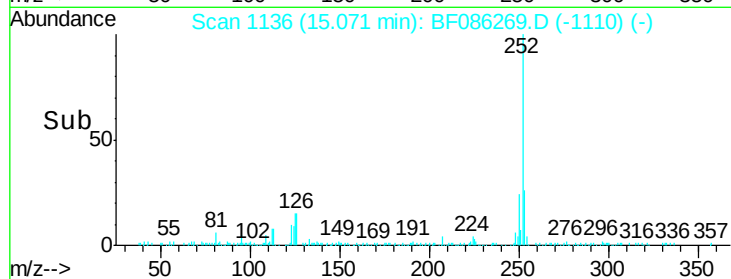
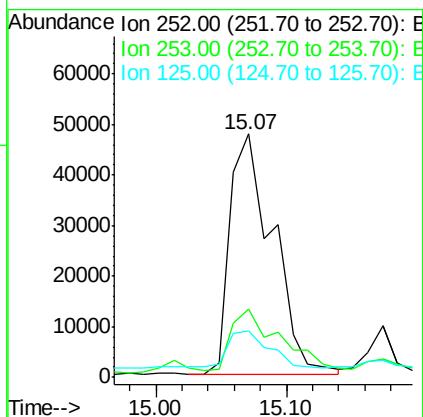
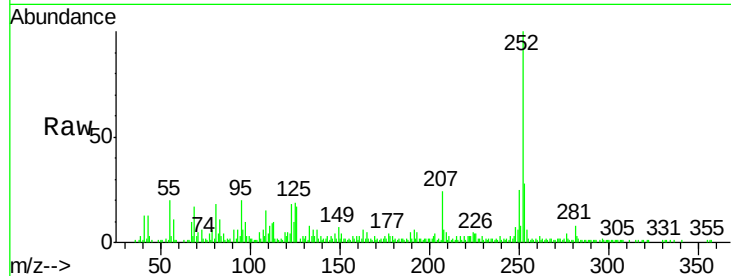




#87
Benzo(b)fluoranthene
Concen: 3.33 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Instrument :
BNA_F
ClientSampleId :
SP-2-A-1(0-2)

Tgt Ion:252 Resp: 108796
Ion Ratio Lower Upper
252 100
253 27.9 17.7 26.5#
125 19.1 10.3 15.5#



#88
Benzo(k)fluoranthene
Concen: 3.65 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF086269.D
Acq: 16 Apr 2016 16:45

Tgt Ion:252 Resp: 108796
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 19.1 7.8 11.6#

