

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110615\
 Data File : BF082735.D
 Acq On : 5 Nov 2015 18:03
 Operator : UM/IZ
 Sample : G4284-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-2

Quant Time: Nov 06 01:16:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

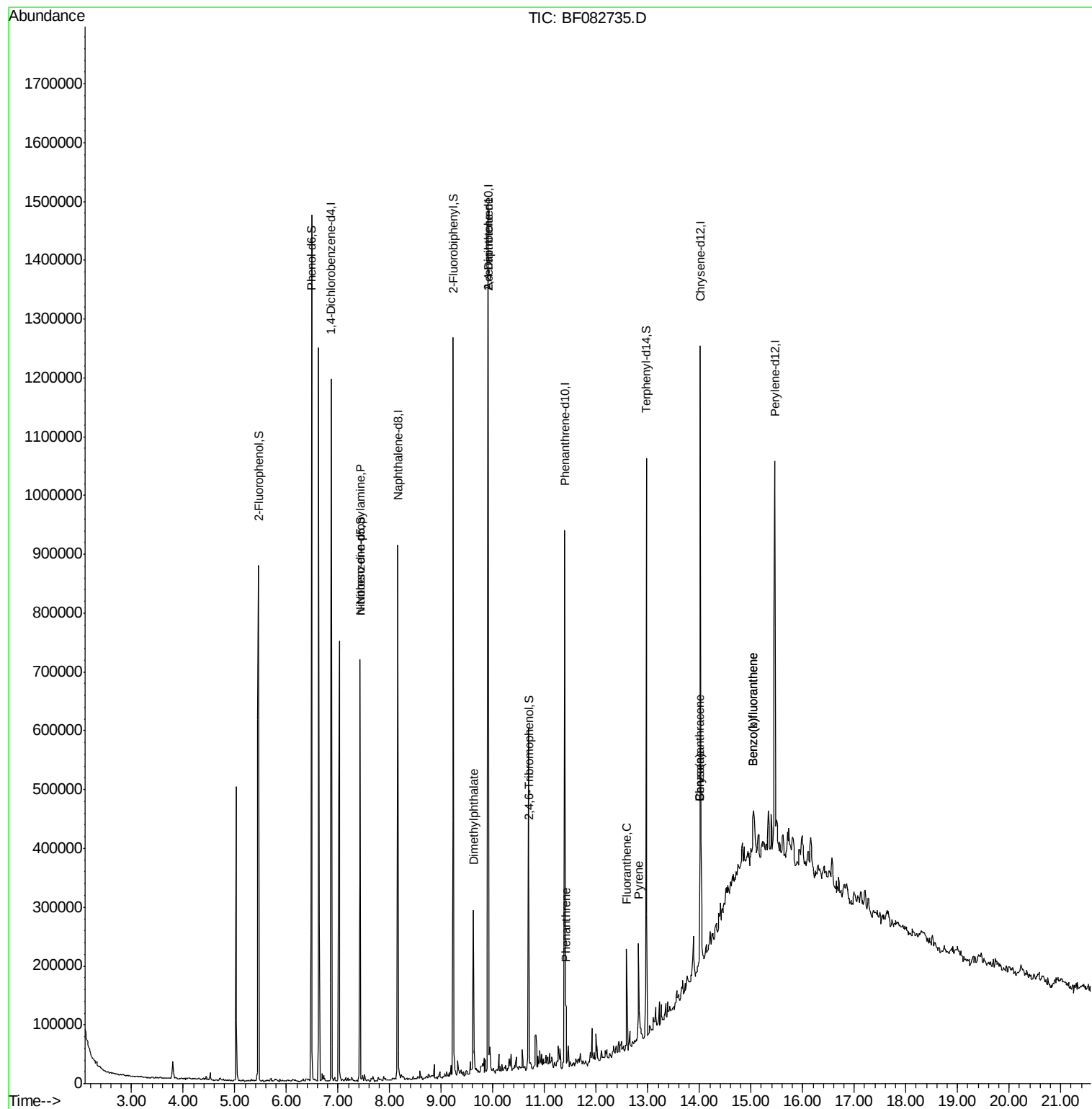
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	152429	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	529585	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	275949	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	445772	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	346179	20.00	ng	-0.03
86) Perylene-d12	15.46	264	322694	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	285275	28.19	ng	-0.01
7) Phenol-d6	6.49	99	419592	31.21	ng	-0.02
23) Nitrobenzene-d5	7.42	82	261907	20.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	78056	25.85	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	424977	21.87	ng	-0.02
78) Terphenyl-d14	12.97	244	283483	17.92	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	33928	3.33	ng	# 66
49) Dimethylphthalate	9.62	163	96654	4.29	ng	97
56) 2,4-Dinitrotoluene	9.90	165	35896	5.68	ng	# 16
70) Phenanthrene	11.41	178	51455	2.05	ng	96
74) Fluoranthene	12.59	202	73721	2.87	ng	97
77) Pyrene	12.82	202	67262	2.62	ng	97
80) Benzo(a)anthracene	14.01	228	44985	2.05	ng	93
82) Chrysene	14.01	228	44985	2.26	ng	96
87) Benzo(b)fluoranthene	15.05	252	63019	2.83	ng	# 86
88) Benzo(k)fluoranthene	15.05	252	63019	3.72	ng	# 86

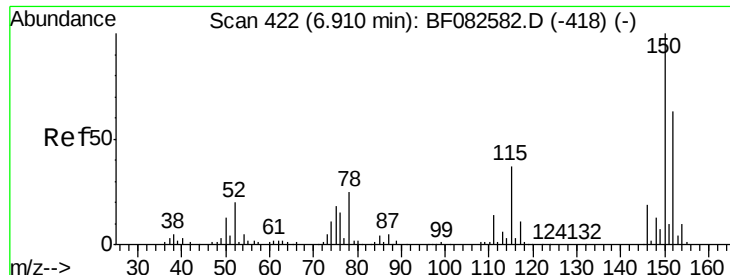
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

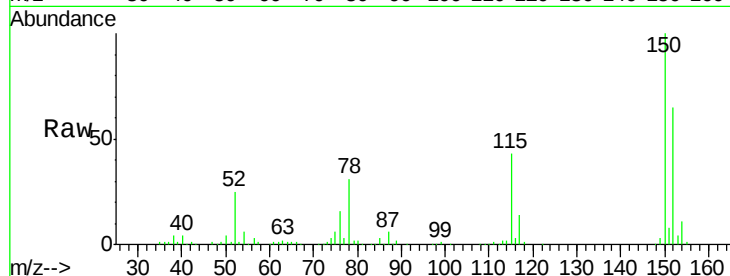
Tgt Ion:152 Resp: 152429

Ion Ratio Lower Upper

152 100

150 153.7 127.0 190.4

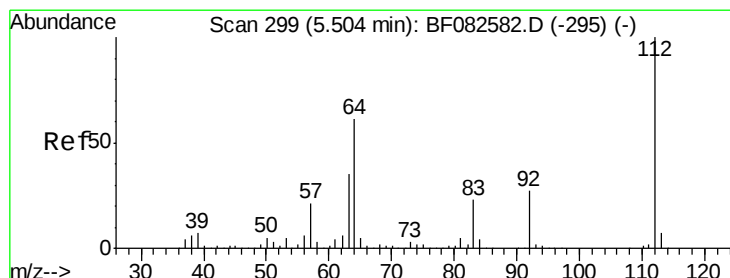
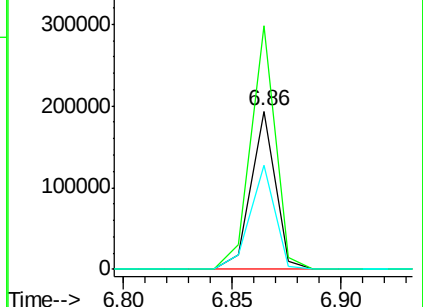
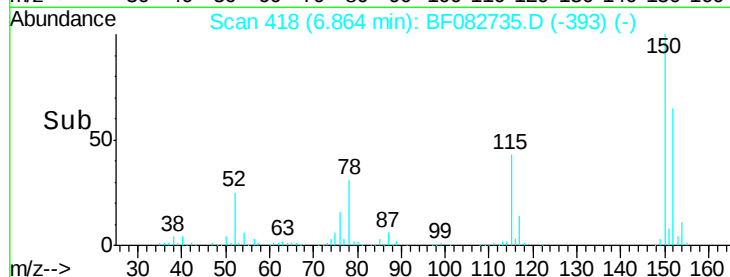
115 66.1 47.0 70.6



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: 28.19 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

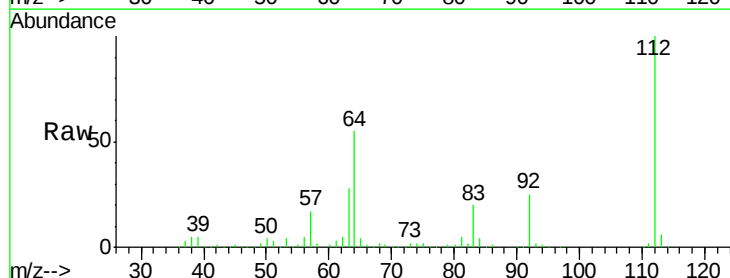
Tgt Ion:112 Resp: 285275

Ion Ratio Lower Upper

112 100

64 55.0 48.9 73.3

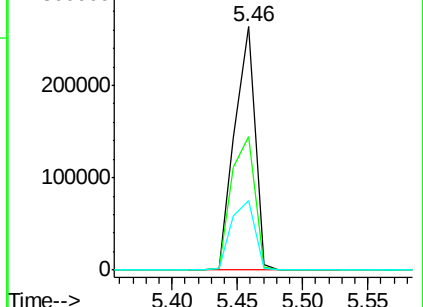
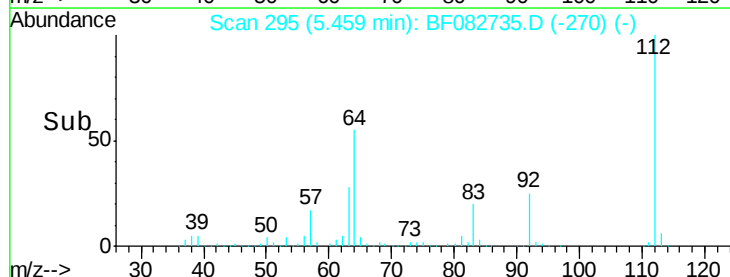
63 28.4 28.1 42.1

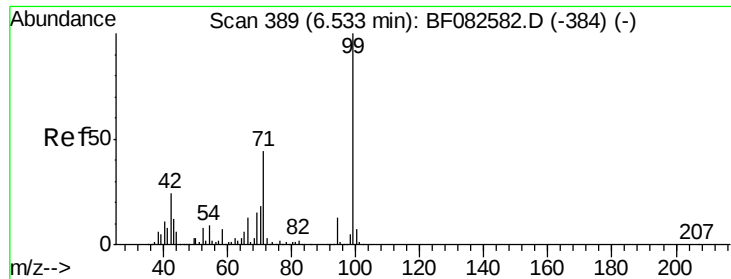


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.21 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

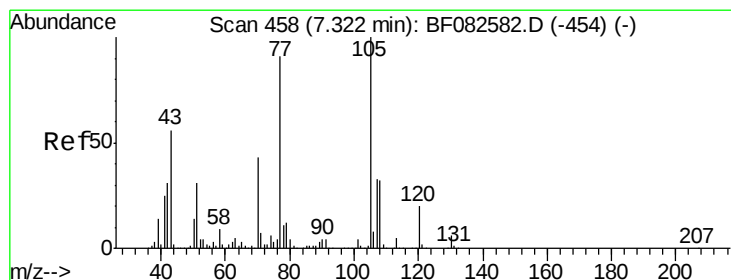
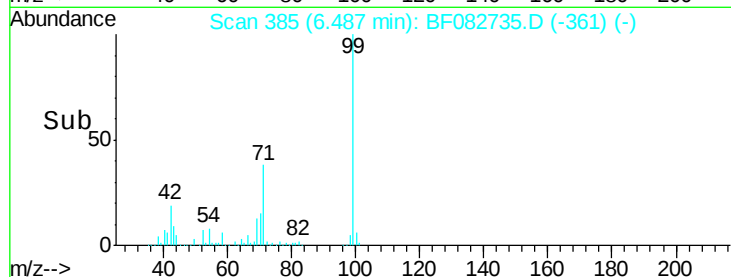
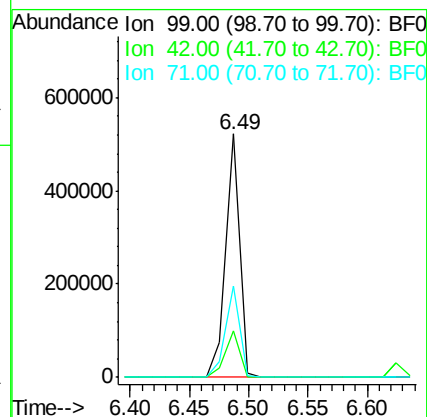
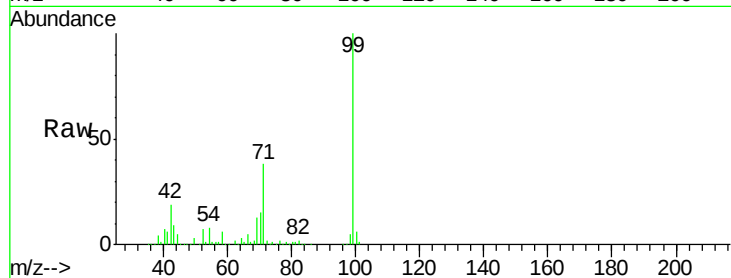
Tgt Ion: 99 Resp: 419592

Ion Ratio Lower Upper

99 100

42 19.3 19.2 28.8

71 37.6 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.33 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Tgt Ion: 70 Resp: 33928

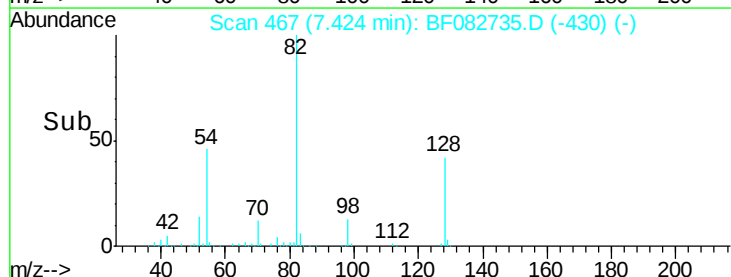
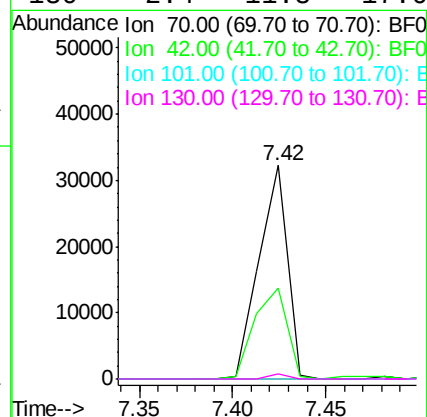
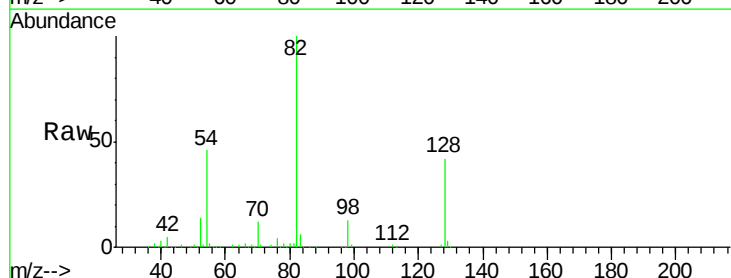
Ion Ratio Lower Upper

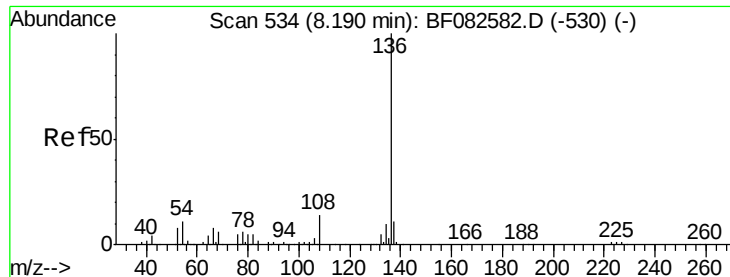
70 100

42 42.6 57.7 86.5#

101 0.0 7.0 10.6#

130 2.4 11.8 17.6#

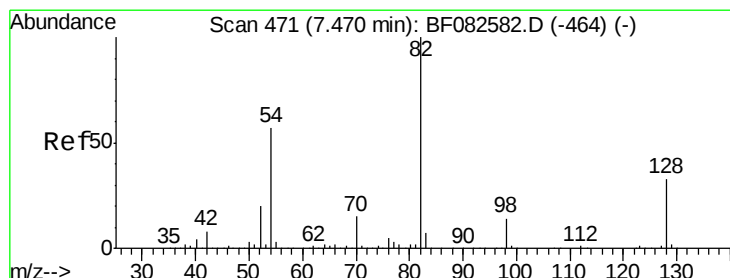
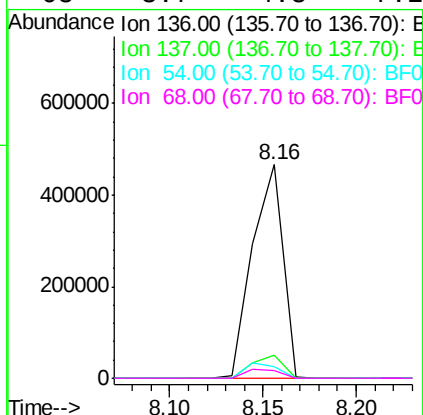
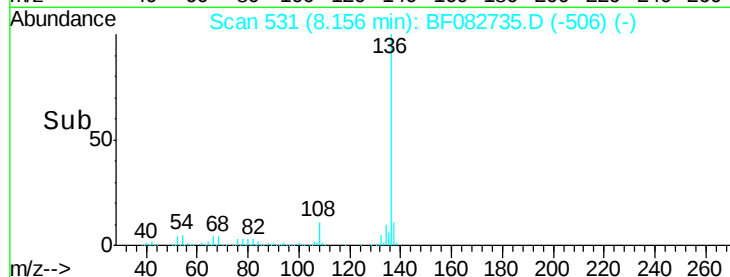
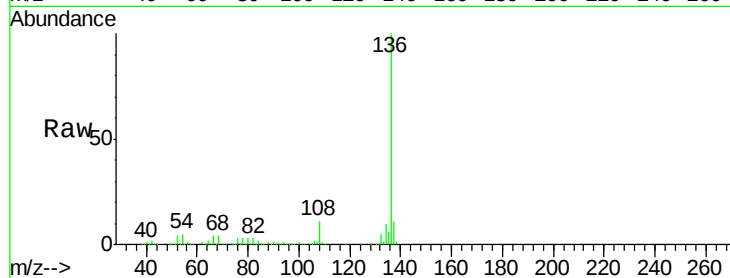




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF082735.D
Acq: 5 Nov 2015 18:03

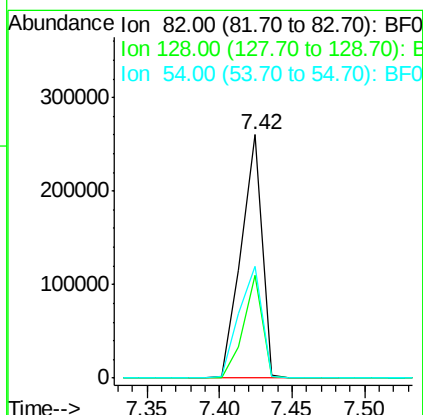
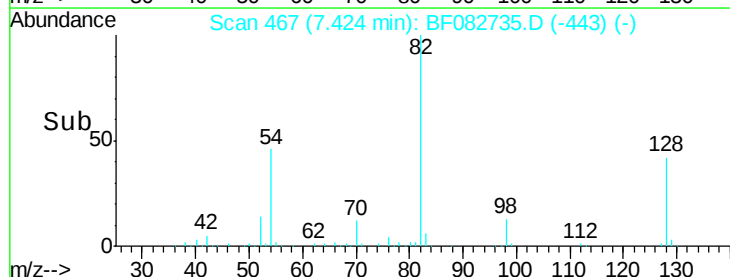
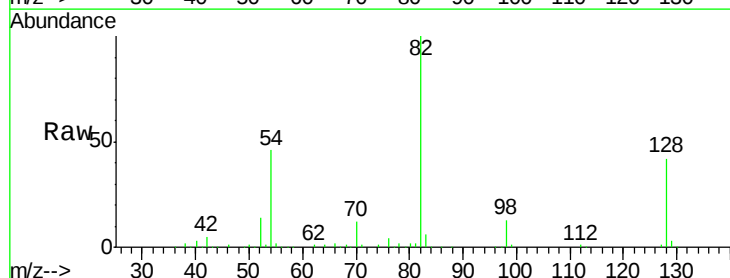
Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-2

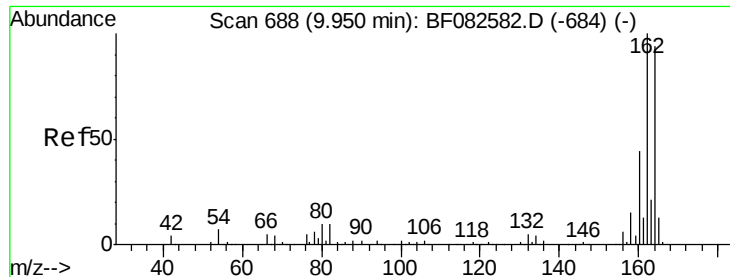
Tgt Ion:	136	Resp:	529585
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.2	9.1	13.7#
68	3.7	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 20.20 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF082735.D
Acq: 5 Nov 2015 18:03

Tgt Ion:	82	Resp:	261907
Ion Ratio	Lower	Upper	
82	100		
128	42.2	26.8	40.2#
54	45.8	45.7	68.5

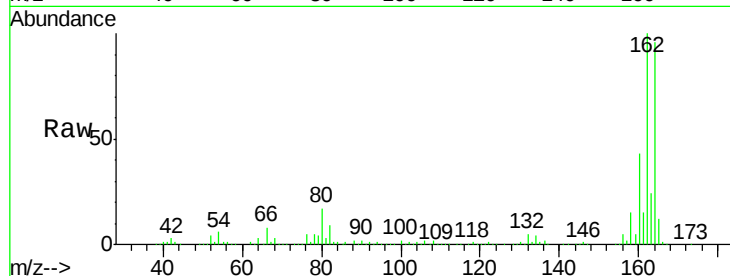




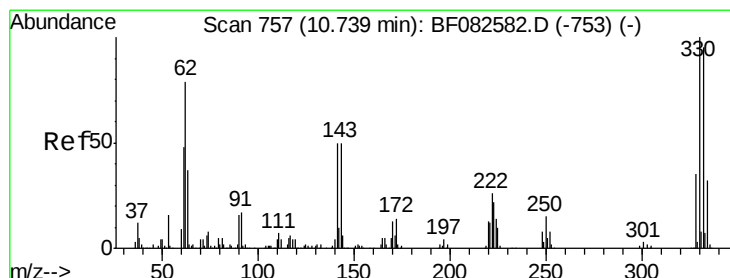
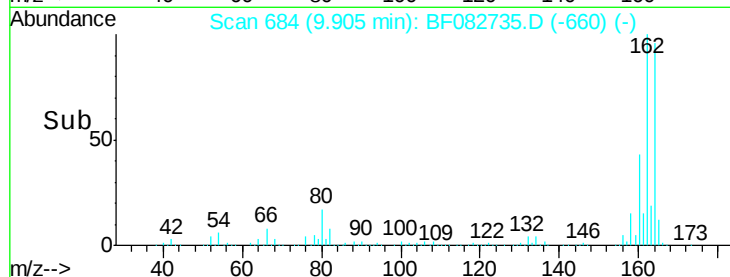
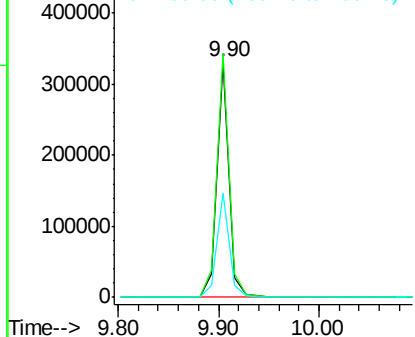
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF082735.D
 Acq: 5 Nov 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 AVE-E-RA15.1-2

Tgt Ion:164 Resp: 275949
 Ion Ratio Lower Upper
 164 100
 162 103.7 84.9 127.3
 160 44.6 37.5 56.3

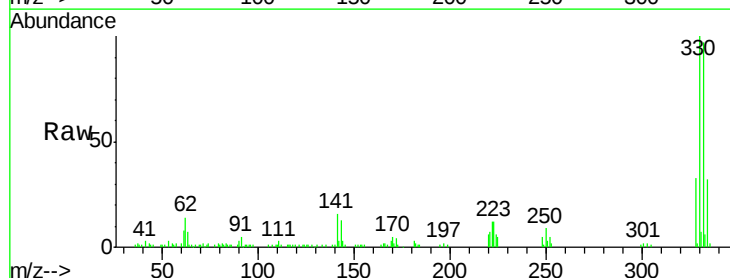


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

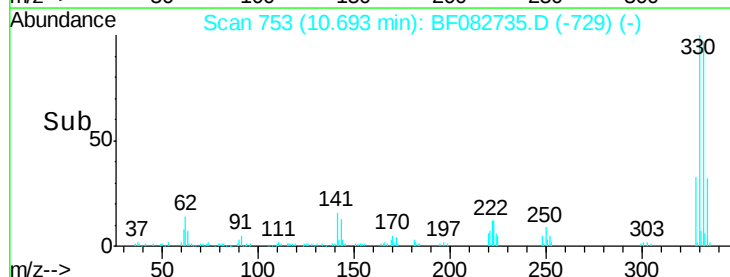
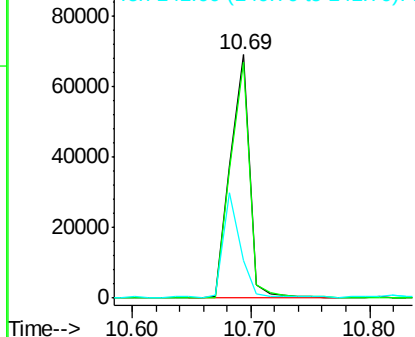


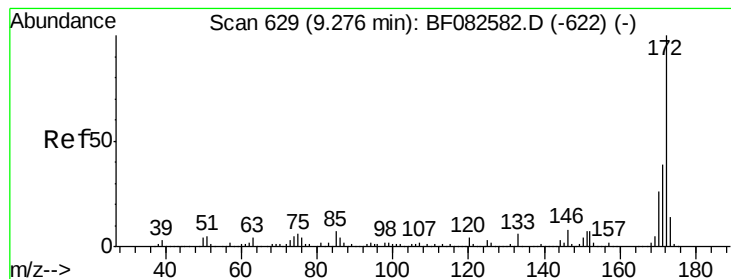
#41
 2,4,6-Tribromophenol
 Concen: 25.85 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF082735.D
 Acq: 5 Nov 2015 18:03

Tgt Ion:330 Resp: 78056
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 40.2 41.2 61.8#



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: 21.87 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

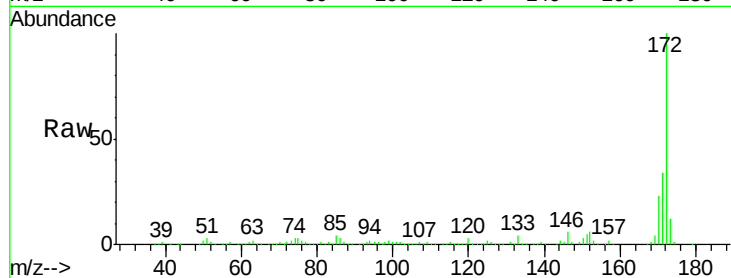
Tgt Ion:172 Resp: 424977

Ion Ratio Lower Upper

172 100

171 34.5 30.8 46.2

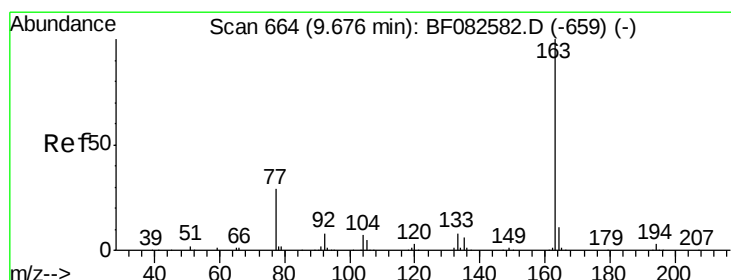
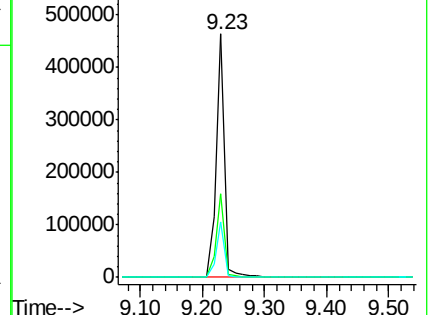
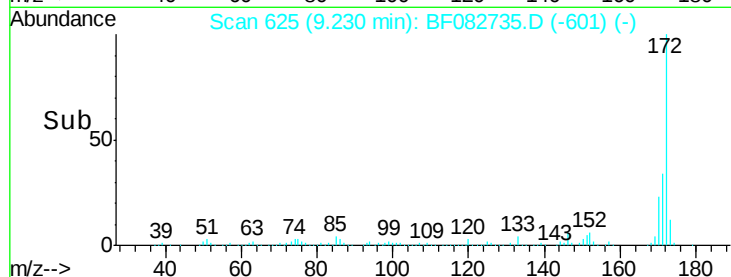
170 22.9 21.2 31.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 4.29 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

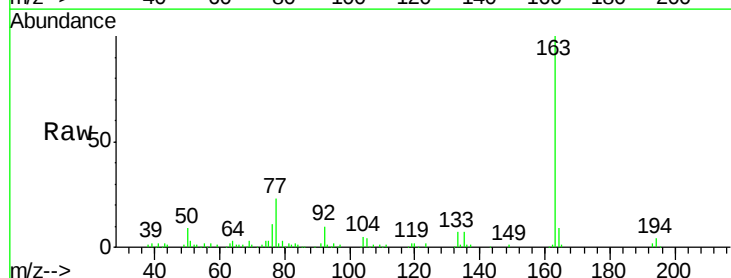
Tgt Ion:163 Resp: 96654

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

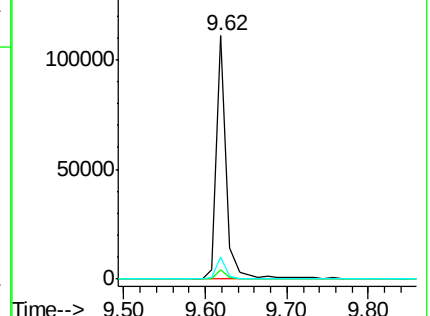
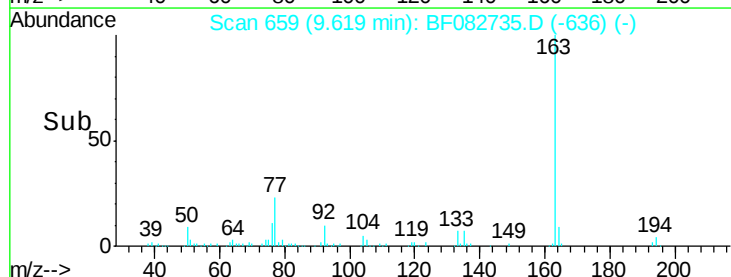
164 9.4 8.7 13.1

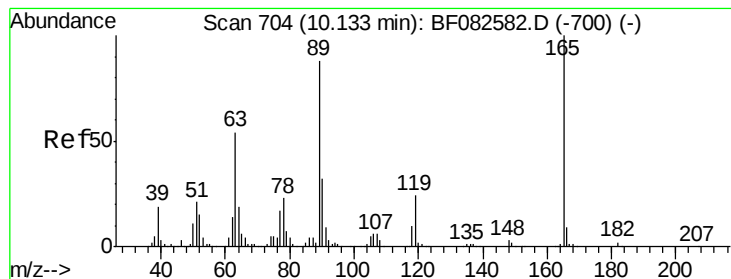


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.68 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.21 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

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Tgt Ion:165 Resp: 35896

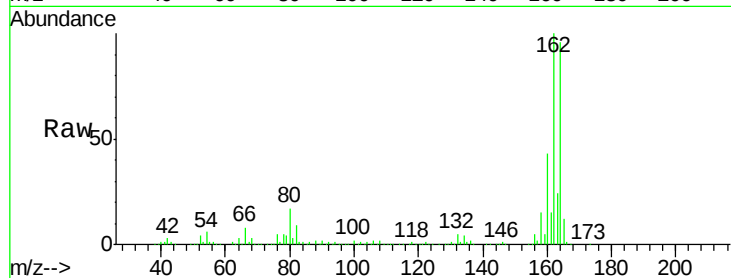
Ion Ratio Lower Upper

165 100

63 1.8 43.4 65.0#

89 2.1 70.6 106.0#

182 0.0 1.5 2.3#

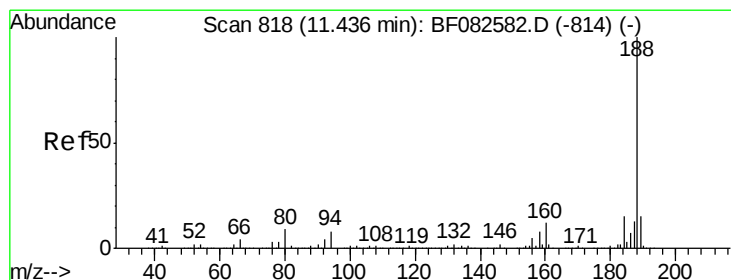
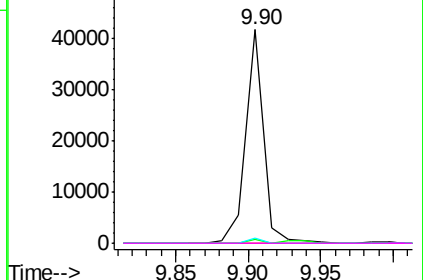
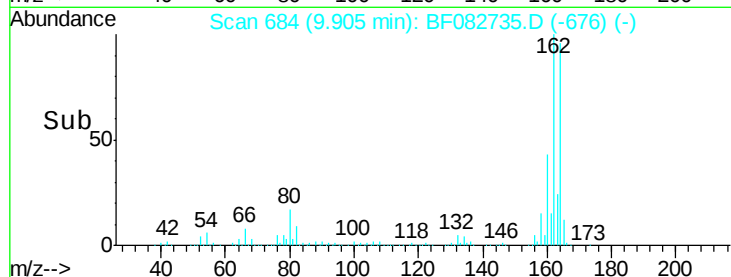


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

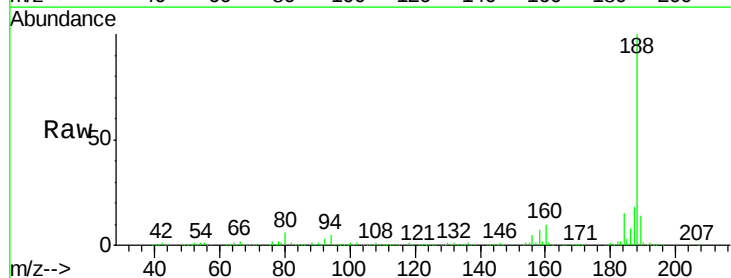
Tgt Ion:188 Resp: 445772

Ion Ratio Lower Upper

188 100

94 5.2 6.1 9.1#

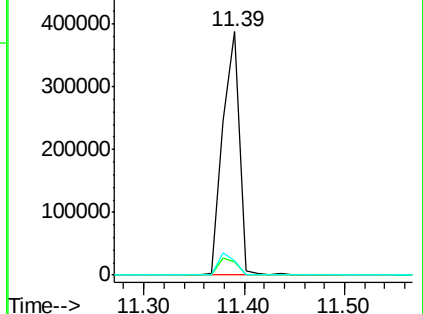
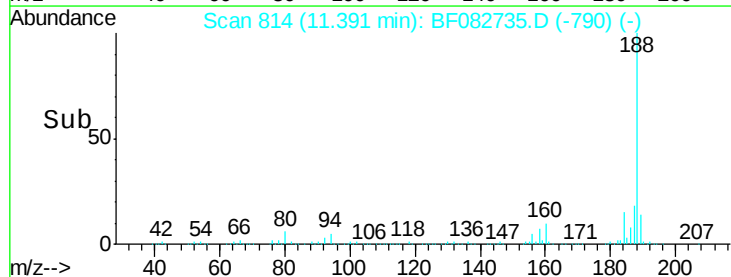
80 5.7 7.0 10.6#

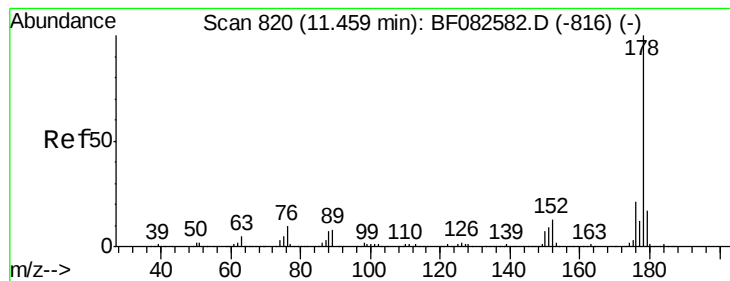


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.05 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

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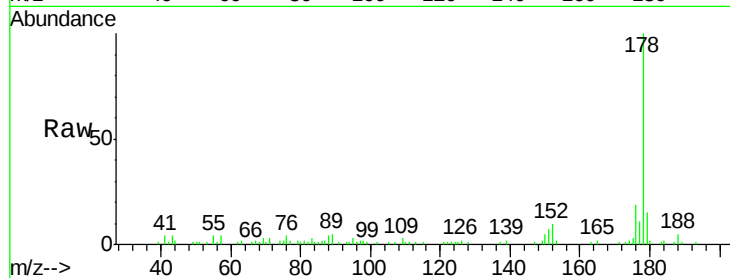
Tgt Ion:178 Resp: 51455

Ion Ratio Lower Upper

178 100

176 19.4 17.0 25.4

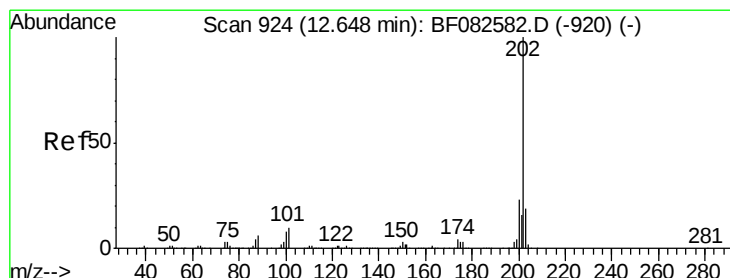
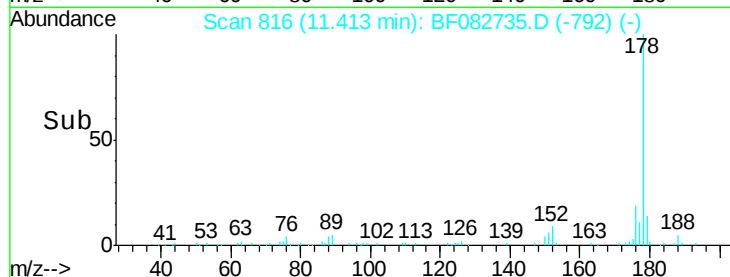
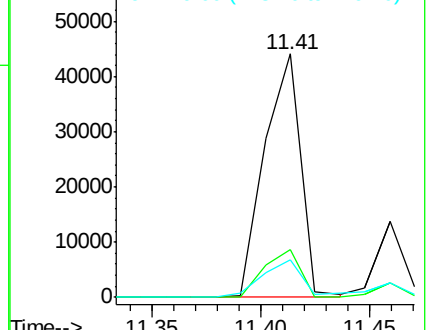
179 15.2 13.4 20.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.87 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

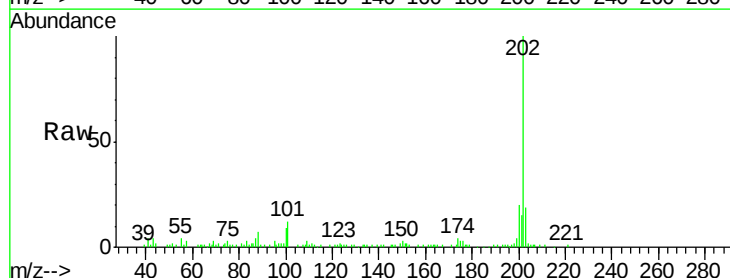
Tgt Ion:202 Resp: 73721

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.5

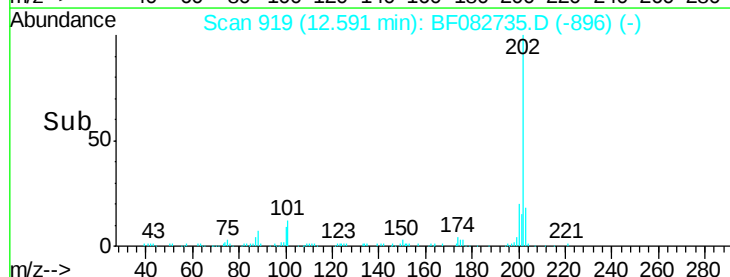
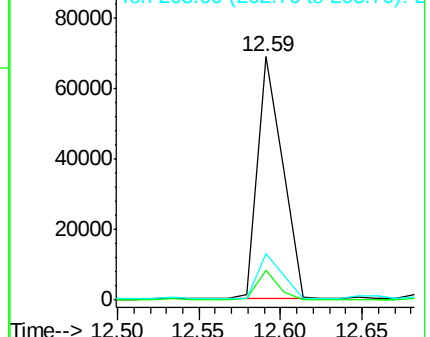
203 19.0 0.0 38.5

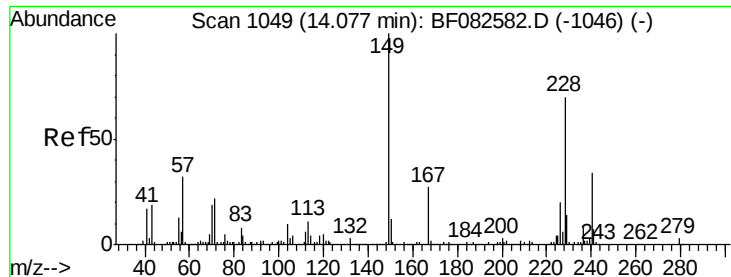


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

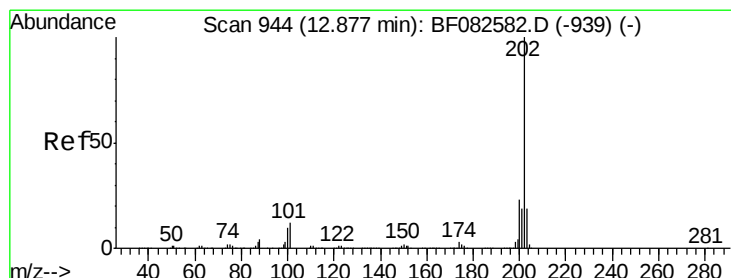
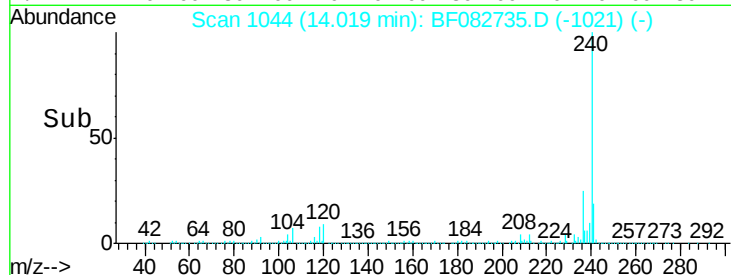
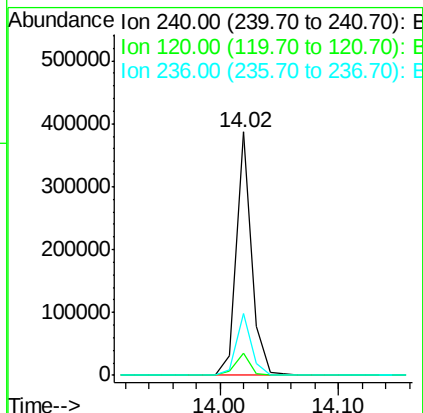
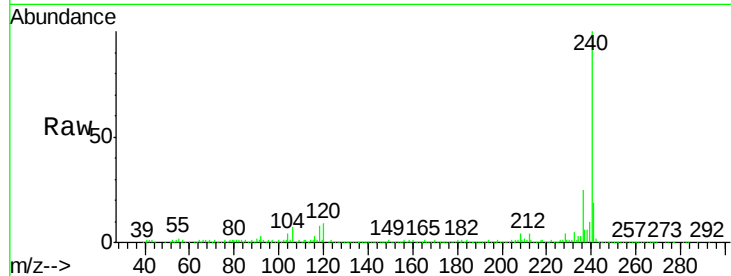
Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

Tgt Ion:	240	Resp:	346179
Ion Ratio	Lower	Upper	
240	100		
120	8.9	10.9	16.3#
236	25.5	21.6	32.4



#77

Pyrene

Concen: 2.62 ng

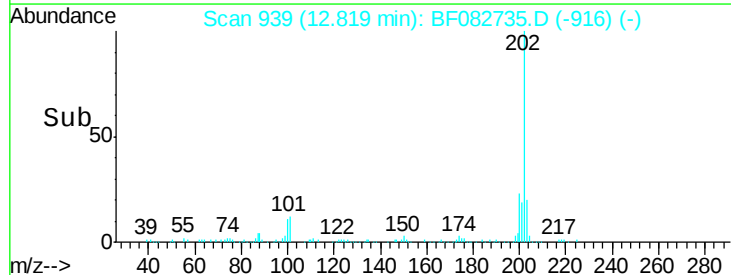
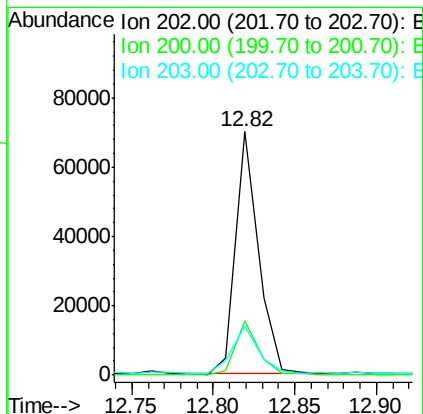
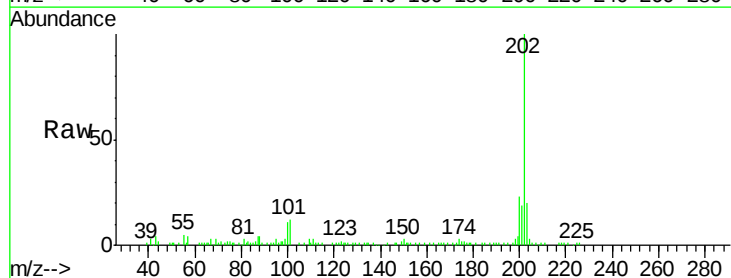
RT: 12.82 min Scan# 939

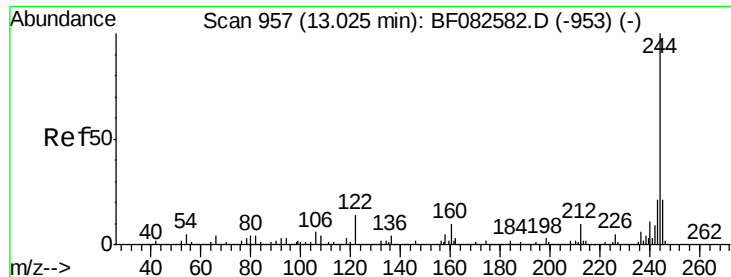
Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Tgt Ion:	202	Resp:	67262
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.7	28.1
203	20.0	14.8	22.2





#78

Terphenyl-d14

Concen: 17.92 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

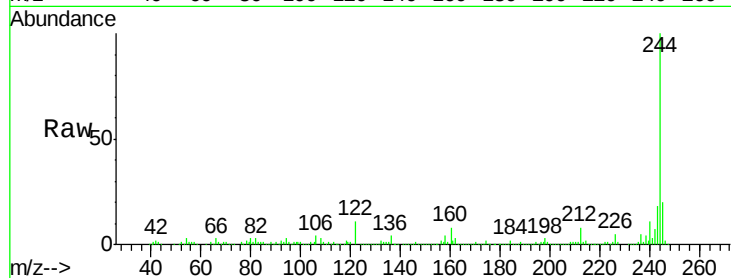
Tgt Ion:244 Resp: 283483

Ion Ratio Lower Upper

244 100

212 8.0 7.6 11.4

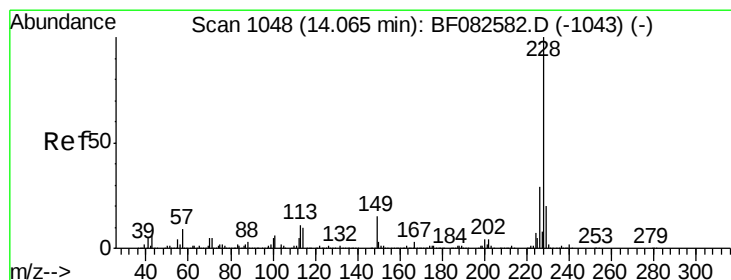
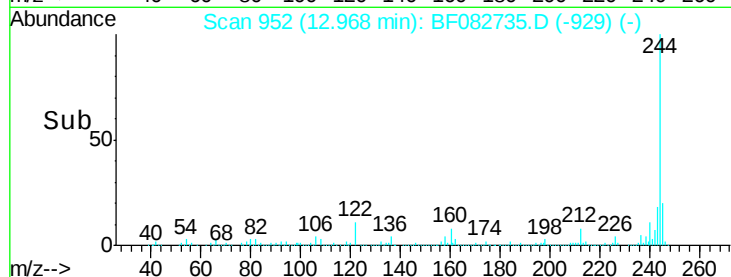
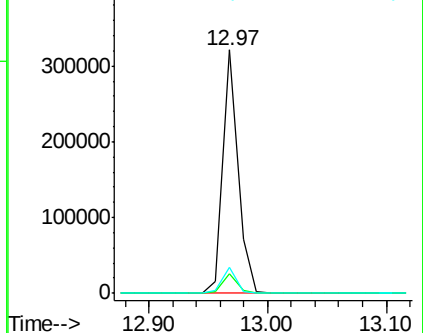
122 10.7 11.3 16.9#



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: 2.05 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

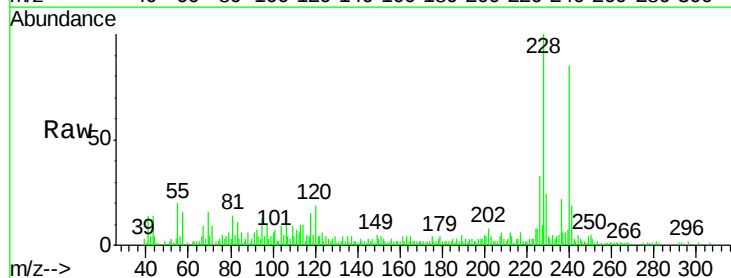
Tgt Ion:228 Resp: 44985

Ion Ratio Lower Upper

228 100

226 33.0 23.4 35.2

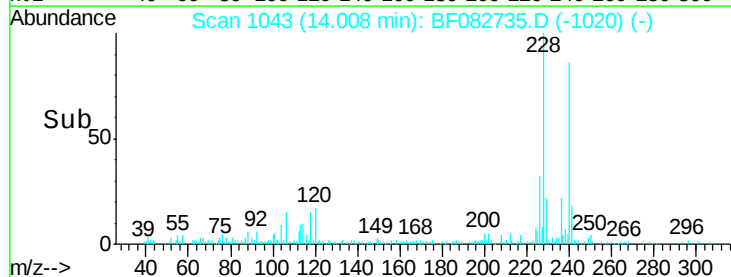
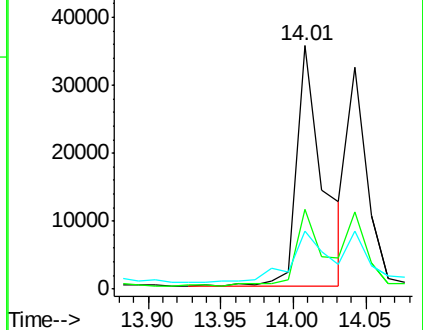
229 23.7 16.3 24.5

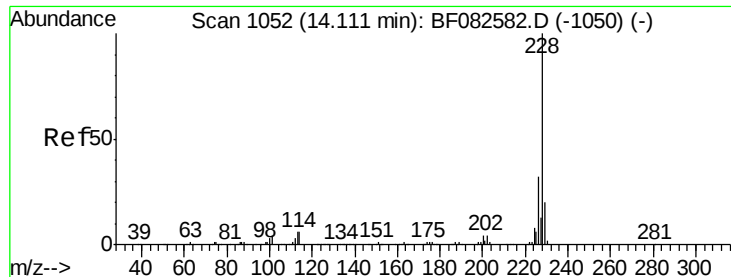


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.26 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.08 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

Instrument :

BNA_F

ClientSampleId :

AVE-E-RA15.1-2

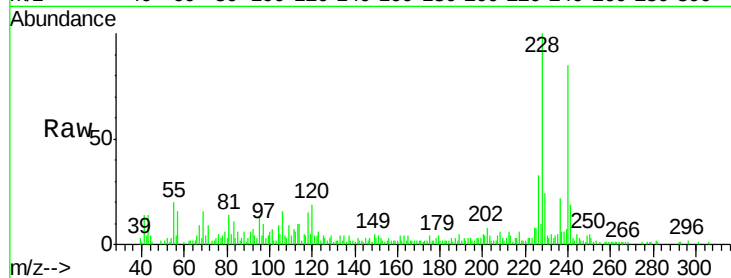
Tgt Ion:228 Resp: 44985

Ion Ratio Lower Upper

228 100

226 33.0 25.5 38.3

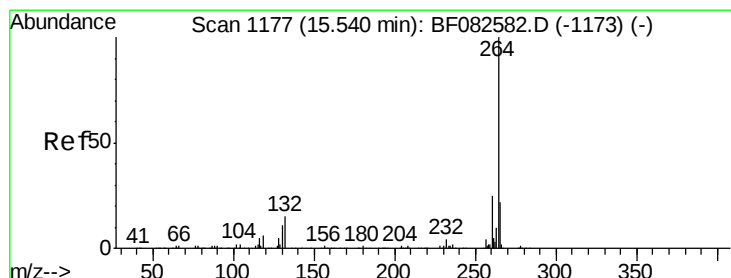
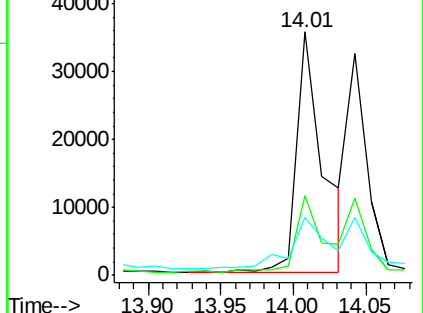
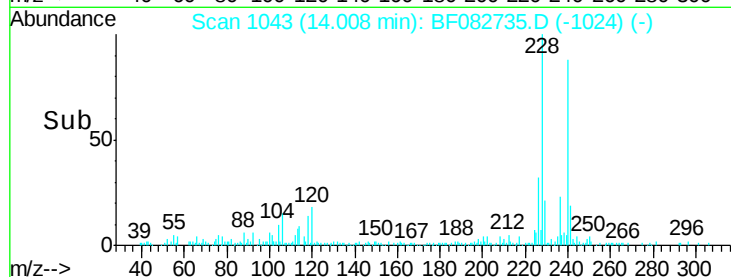
229 23.7 16.3 24.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.05 min

Lab File: BF082735.D

Acq: 5 Nov 2015 18:03

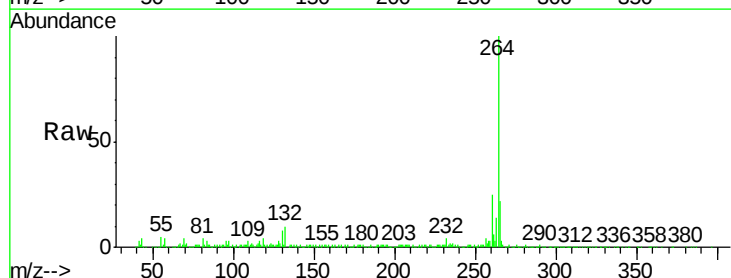
Tgt Ion:264 Resp: 322694

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.6

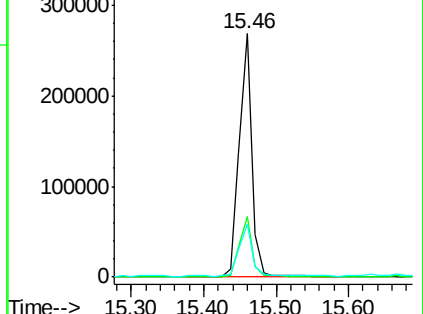
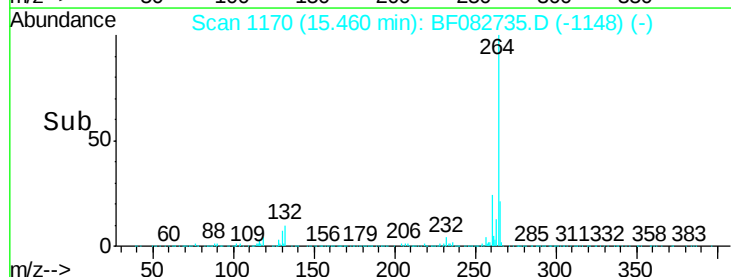
265 21.5 17.4 26.0

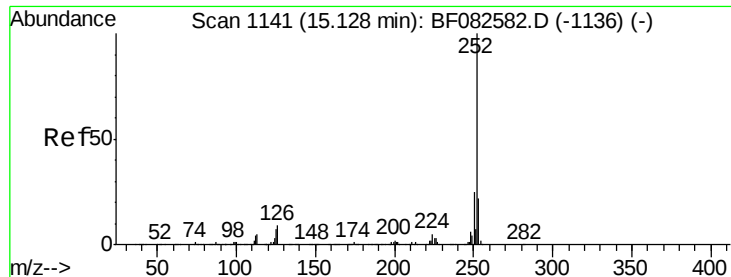


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

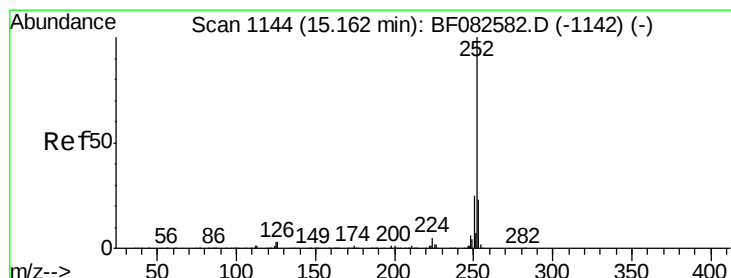
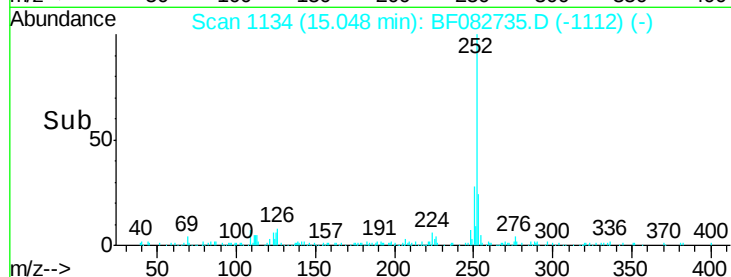
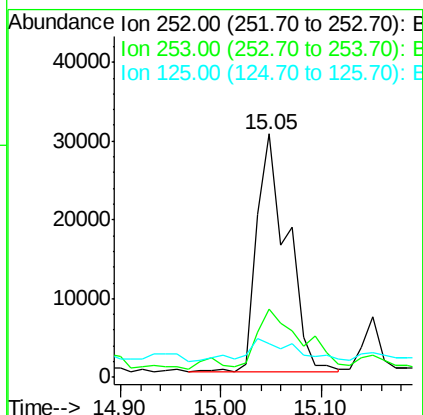
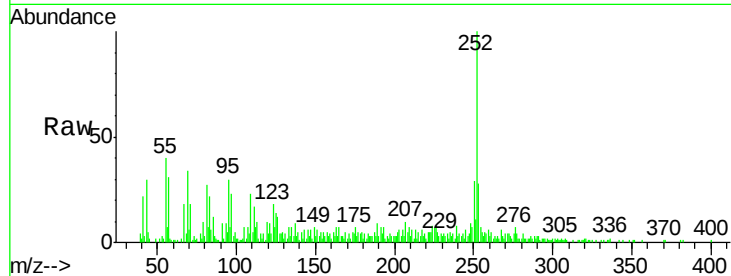




#87
Benzo(b)fluoranthene
Concen: 2.83 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082735.D
Acq: 5 Nov 2015 18:03

Instrument :
BNA_F
ClientSampleId :
AVE-E-RA15.1-2

Tgt Ion:252 Resp: 63019
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8#
125 14.1 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 3.72 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.08 min
Lab File: BF082735.D
Acq: 5 Nov 2015 18:03

Tgt Ion:252 Resp: 63019
Ion Ratio Lower Upper
252 100
253 27.8 17.9 26.9#
125 14.1 3.5 5.3#

