

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083825.D
 Acq On : 15 Dec 2015 18:23
 Operator : UM/IZ
 Sample : G4739-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K201-0-2

Quant Time: Dec 16 06:56:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

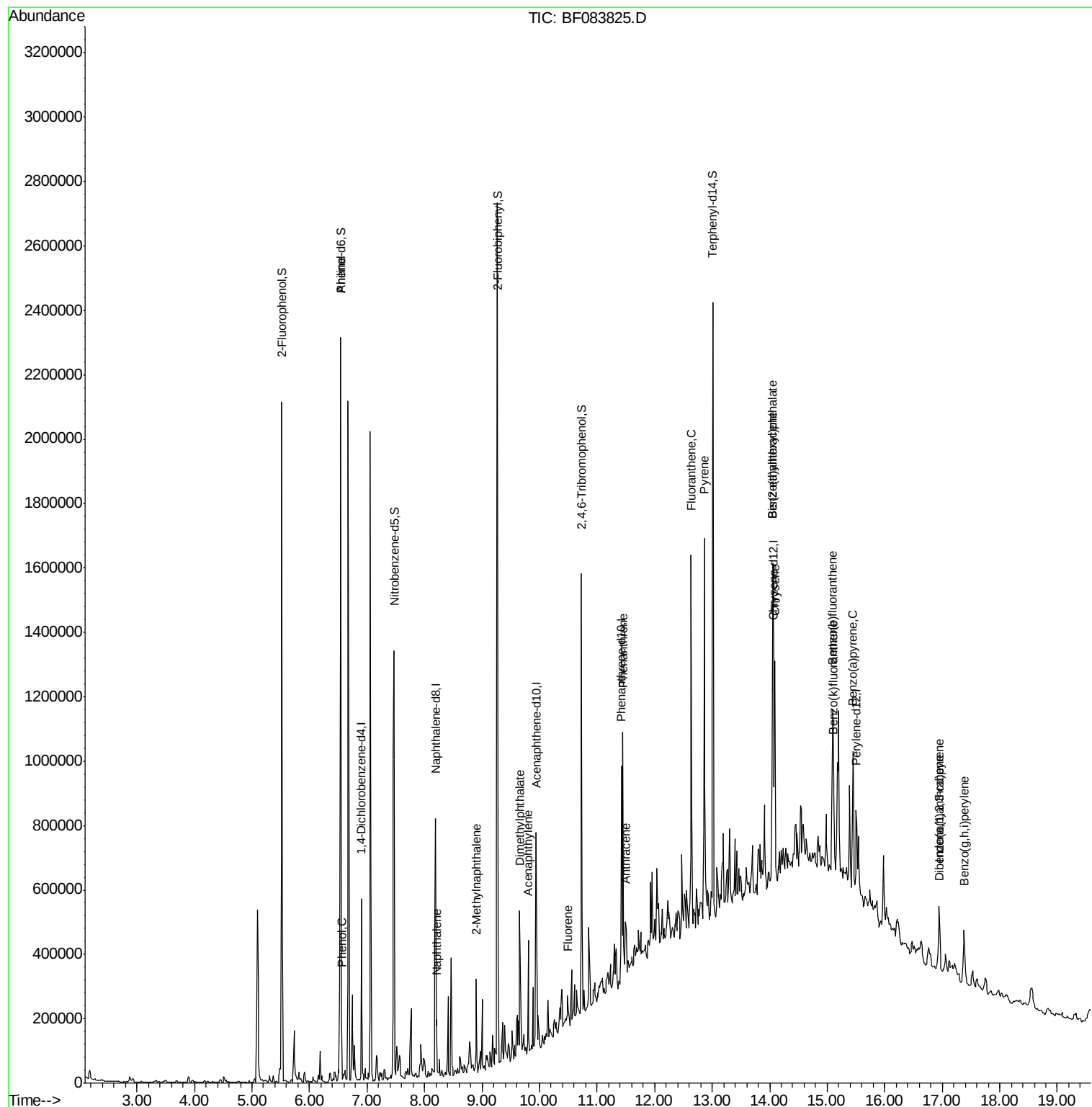
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	96334	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	379599	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	145928	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	235159	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	196669	20.00	ng	-0.01
86) Perylene-d12	15.51	264	147924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	682953	114.37	ng	-0.01
7) Phenol-d6	6.54	99	987625	130.60	ng	0.00
23) Nitrobenzene-d5	7.47	82	594395	87.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	164200	110.43	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	823291	81.67	ng	-0.02
78) Terphenyl-d14	13.01	244	627958	68.68	ng	-0.01
Target Compounds						Qvalue
6) Aniline	6.54	93	74914	7.29	ng	# 82
10) Phenol	6.56	94	22843	2.62	ng	# 63
31) Naphthalene	8.21	128	105294	5.32	ng	99
37) 2-Methylnaphthalene	8.90	142	61548	4.95	ng	97
48) Acenaphthylene	9.80	152	131982	8.22	ng	99
49) Dimethylphthalate	9.65	163	182944	16.08	ng	99
57) Fluorene	10.49	166	22081m	2.18	ng	
70) Phenanthrene	11.45	178	275133	22.02	ng	99
71) Anthracene	11.51	178	102077	7.87	ng	98
74) Fluoranthene	12.64	202	476847	36.94	ng	96
77) Pyrene	12.87	202	539556	34.71	ng	99
80) Benzo(a)anthracene	14.05	228	281774	25.20	ng	# 89
82) Chrysene	14.09	228	287075m	26.32	ng	
83) Bis(2-ethylhexyl)phthalate	14.05	149	53733	7.08	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.95	276	128753	12.02	ng	# 100
87) Benzo(b)fluoranthene	15.09	252	288283m	30.55	ng	
88) Benzo(k)fluoranthene	15.11	252	100216m	11.72	ng	
89) Benzo(a)pyrene	15.45	252	205880	24.45	ng	98
90) Dibenzo(a,h)anthracene	16.96	278	31161	3.72	ng	# 80
91) Benzo(a,h,i)perylene	17.38	276	138892	16.14	ng	99

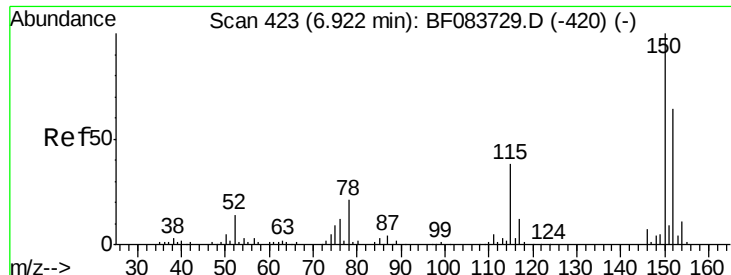
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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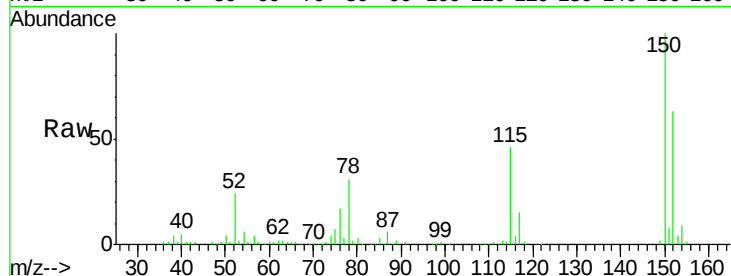




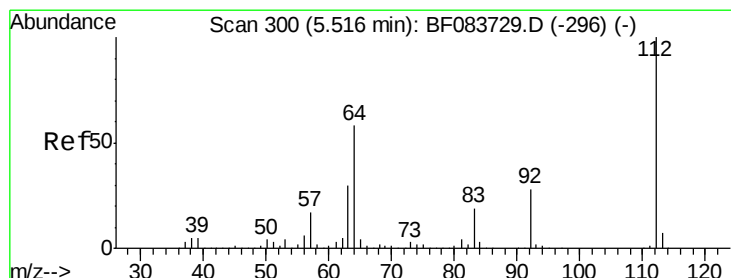
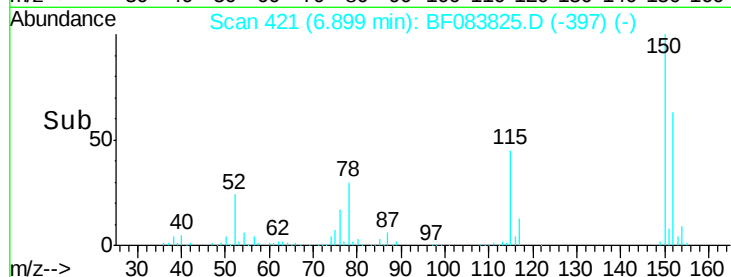
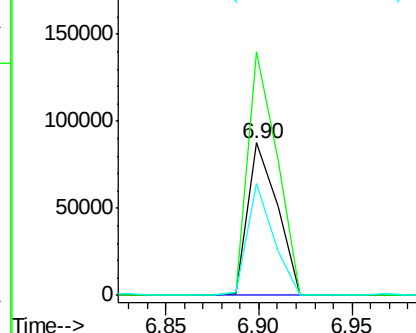
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Instrument :
 BNA_F
 ClientSampleId :
 K201-0-2

Tot Ion:152 Resp: 96334
 Ion Ratio Lower Upper
 152 100
 150 159.8 126.5 189.7
 115 73.3 52.3 78.5

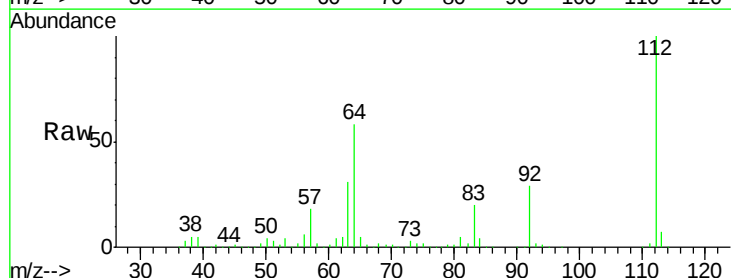


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

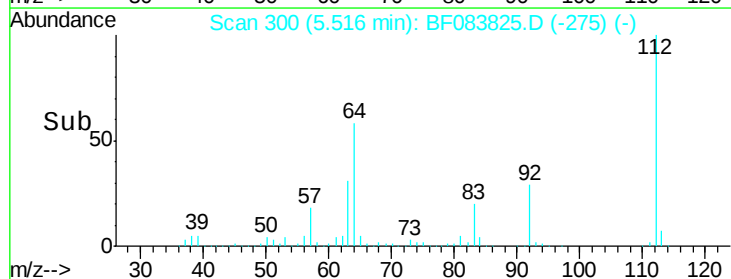
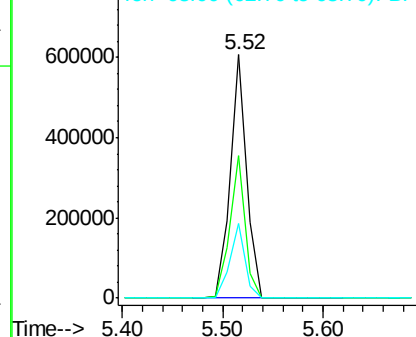


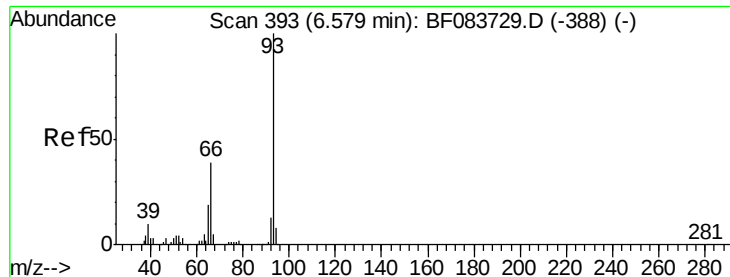
#5
 2-Fluorophenol
 Concen: 114.37 ng
 RT: 5.52 min Scan# 300
 Delta R.T. -0.01 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Tgt Ion:112 Resp: 682953
 Ion Ratio Lower Upper
 112 100
 64 58.3 50.5 75.7
 63 30.9 25.8 38.6



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





#6

Aniline

Concen: 7.29 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.03 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

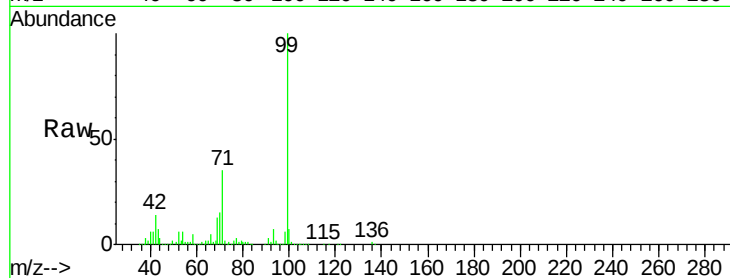
Tot Ion: 93 Resp: 74914

Ion Ratio Lower Upper

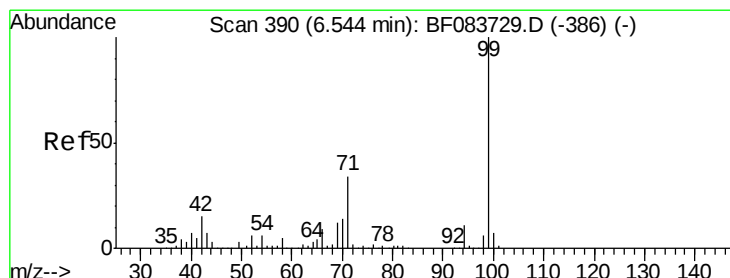
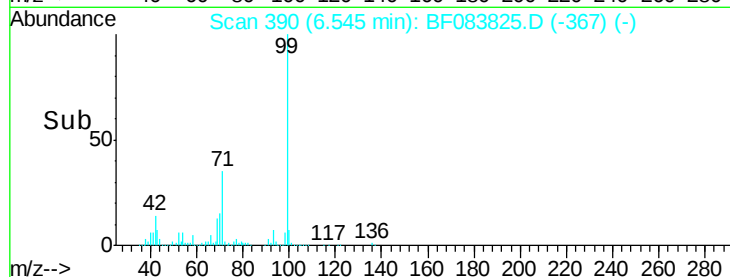
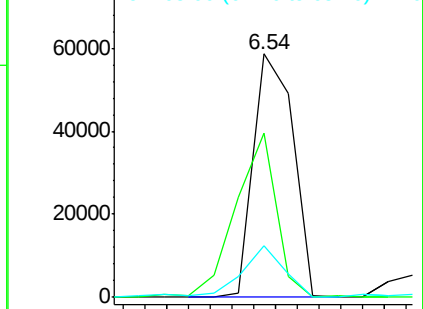
93 100

66 67.4 41.3 61.9#

65 21.1 20.8 31.2



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 130.60 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

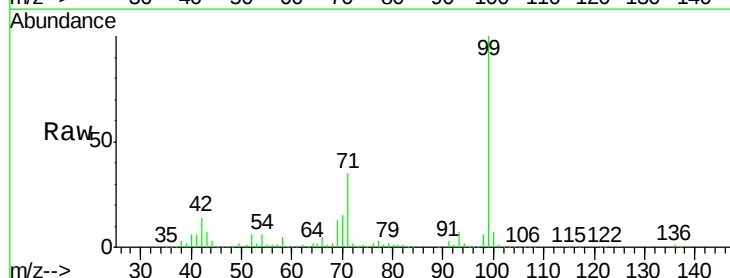
Tgt Ion: 99 Resp: 987625

Ion Ratio Lower Upper

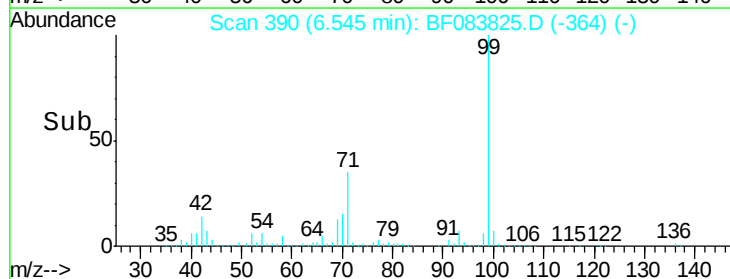
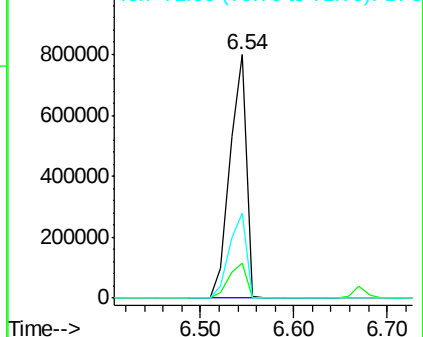
99 100

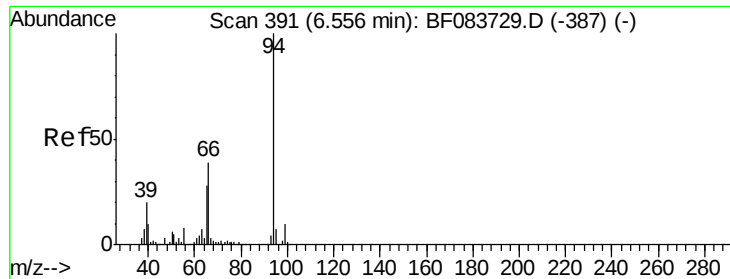
42 14.4 17.3 25.9#

71 34.6 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.62 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

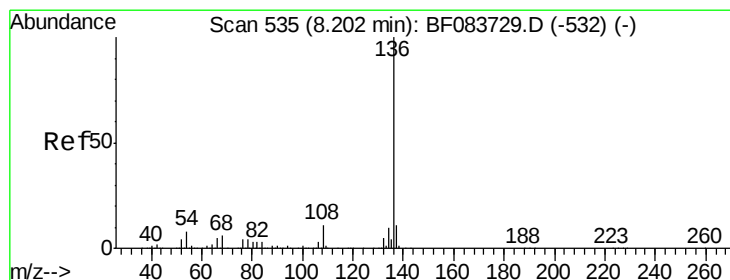
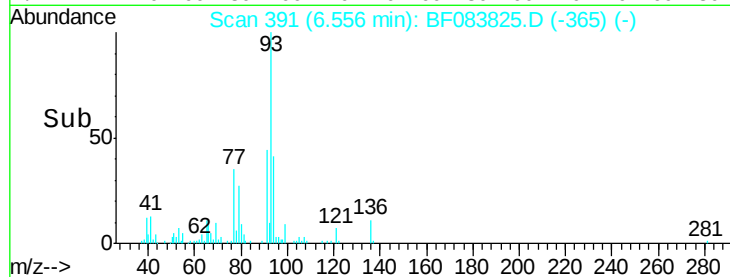
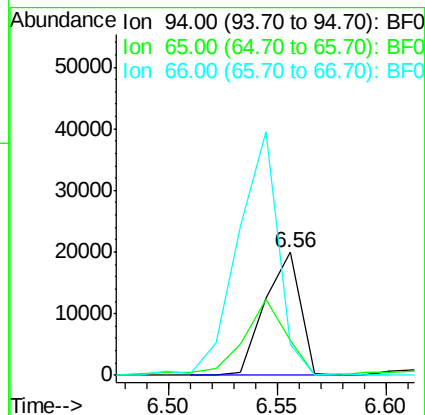
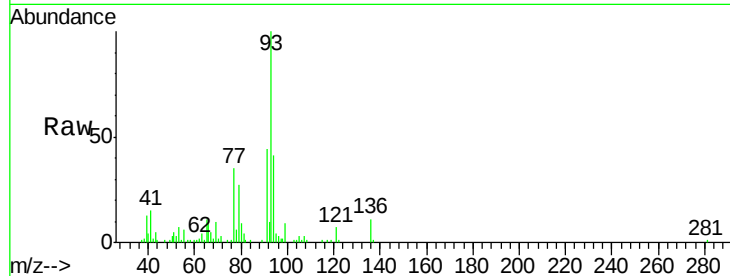
Tot Ion: 94 Resp: 22843

Ion Ratio Lower Upper

94 100

65 28.2 20.9 60.9

66 25.3 41.6 81.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Tgt Ion: 136 Resp: 379599

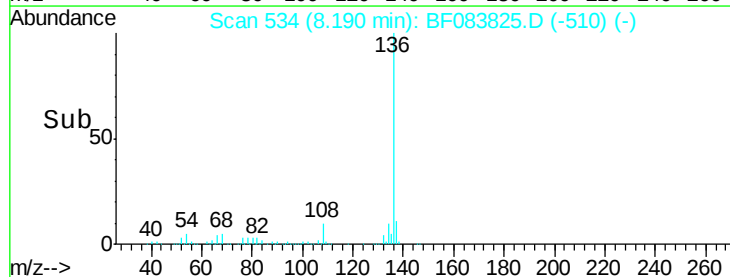
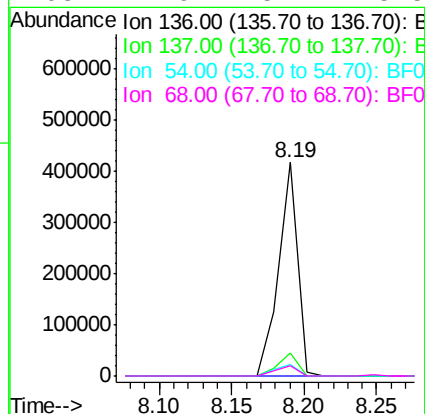
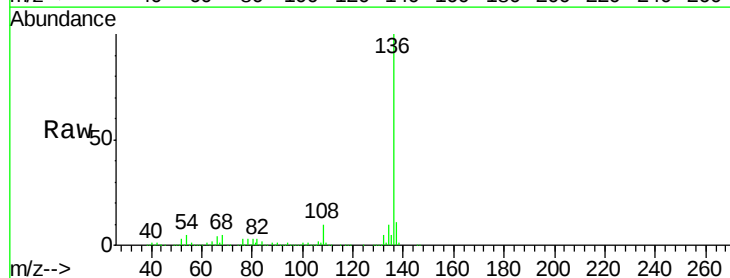
Ion Ratio Lower Upper

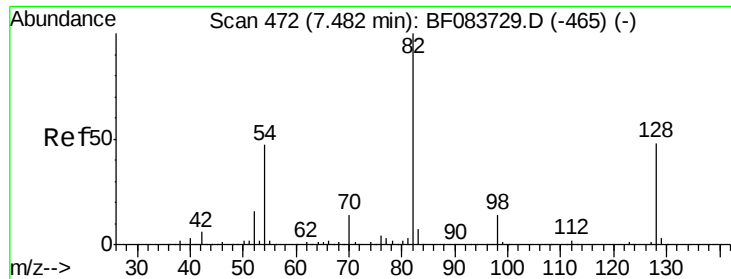
136 100

137 10.8 8.7 13.1

54 5.5 7.8 11.6#

68 4.9 5.7 8.5#

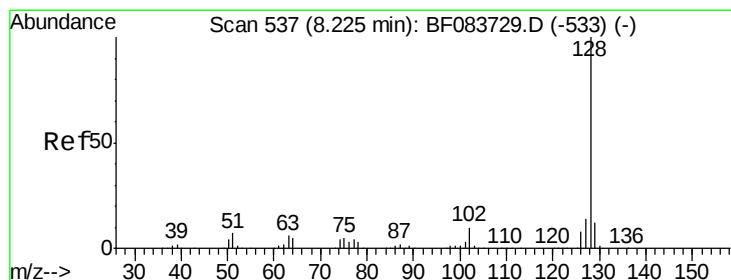
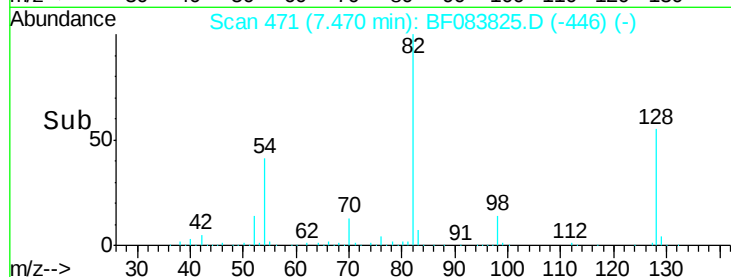
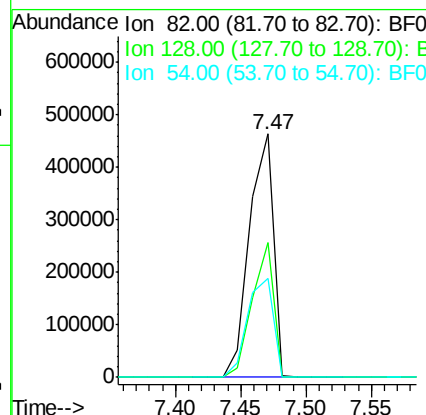
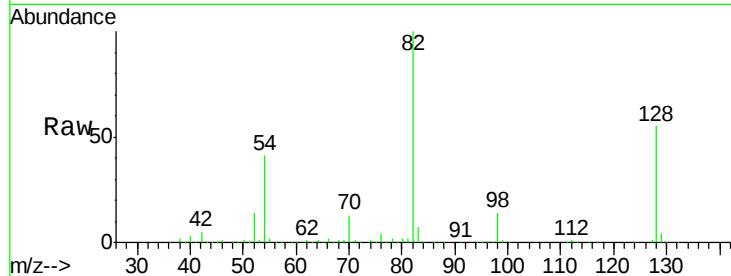




#23
Nitrobenzene-d5
Concen: 87.60 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.01 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

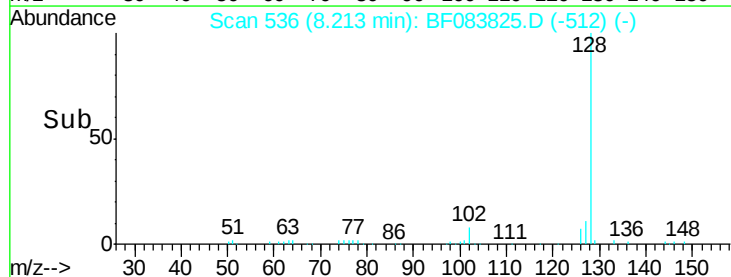
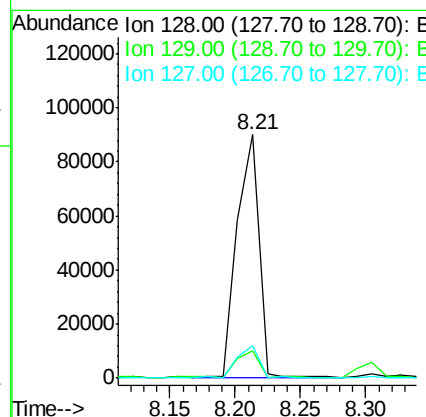
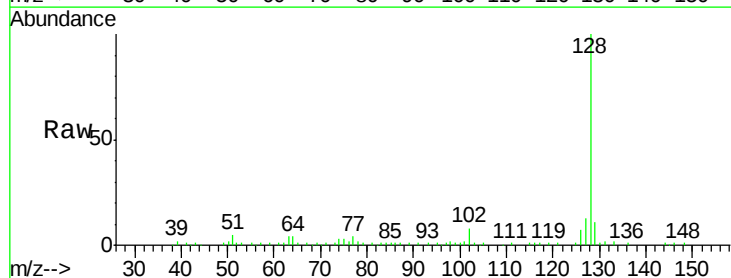
Instrument :
BNA_F
ClientSampleId :
K201-0-2

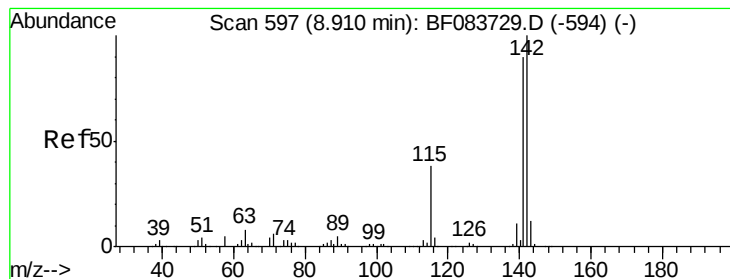
Tot Ion: 82 Resp: 594395
Ion Ratio Lower Upper
82 100
128 55.3 30.7 46.1#
54 40.9 42.5 63.7#



#31
Naphthalene
Concen: 5.32 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Tgt Ion: 128 Resp: 105294
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.1 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.95 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.02 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

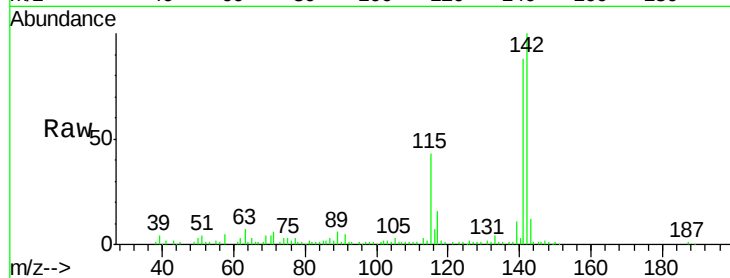
Tot Ion:142 Resp: 61548

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5

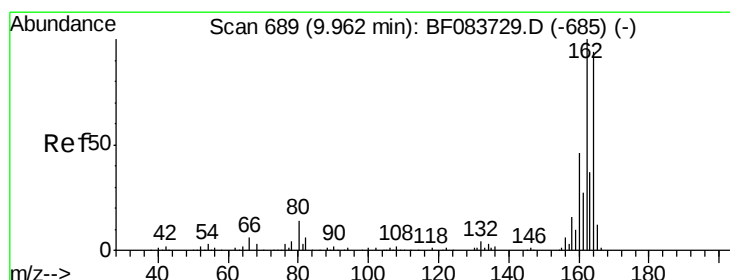
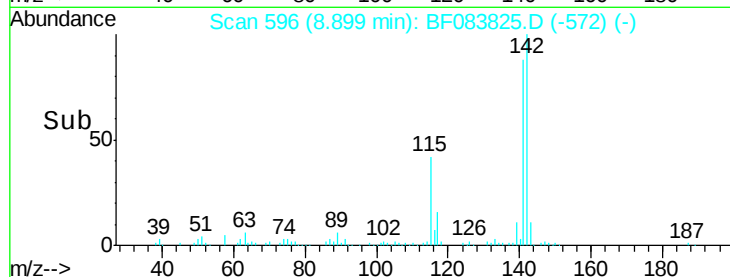
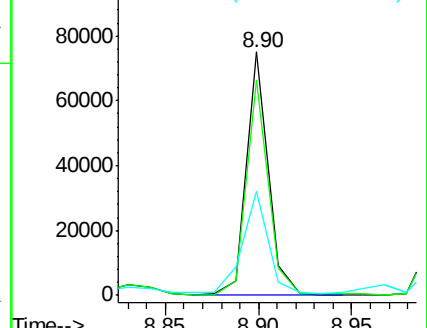
115 42.8 29.2 43.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

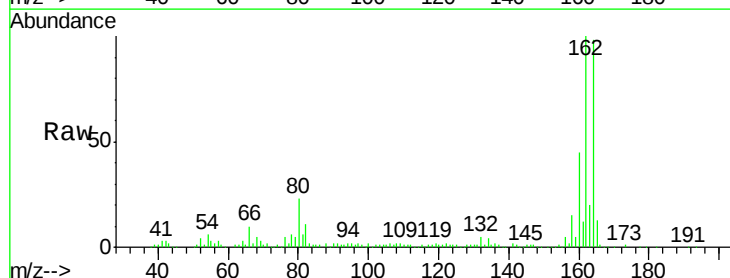
Tgt Ion:164 Resp: 145928

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

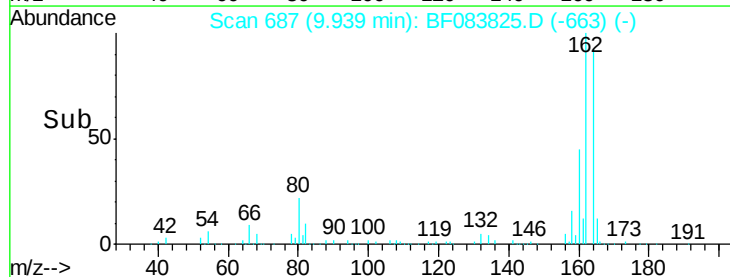
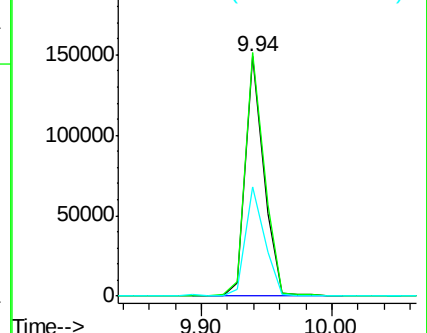
160 45.5 33.4 50.2

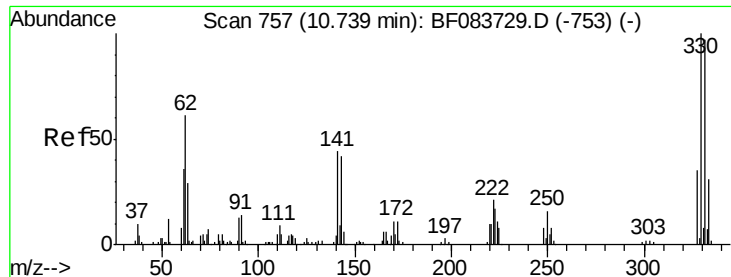


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

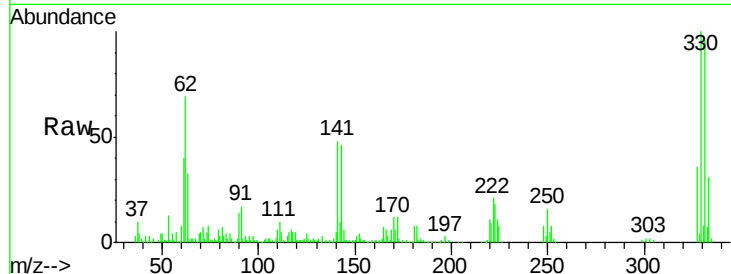




#41
 2,4,6-Tribromophenol
 Concen: 110.43 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Instrument :
 BNA_F
 ClientSampleId :
 K201-0-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	38.9	0.0	0.0#

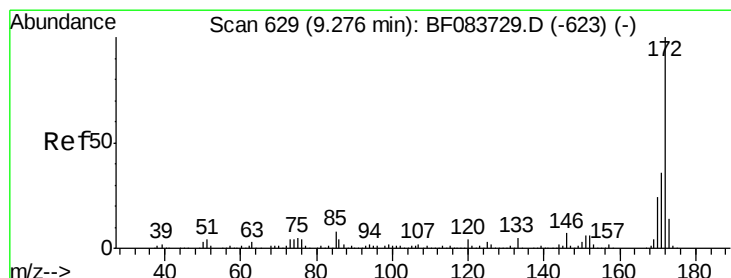
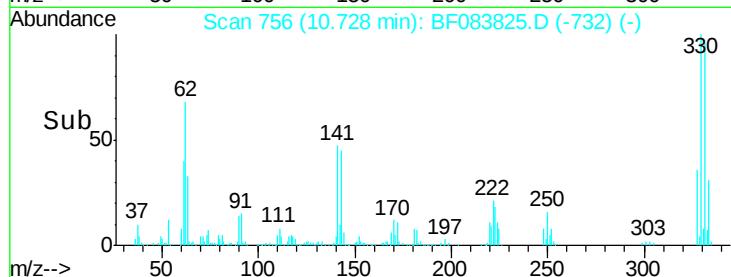
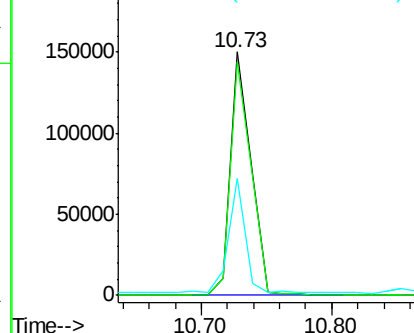


Abundance

Ion 329.80 (329.50 to 330.50): E

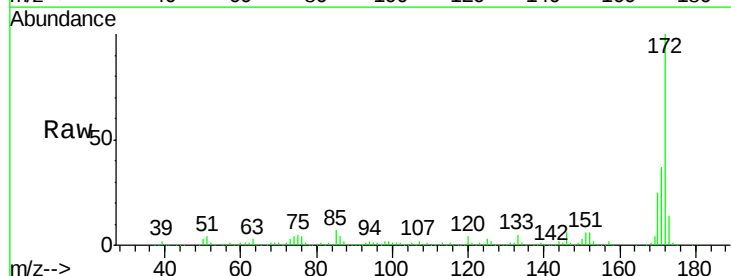
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.67 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	42.8
170	24.7	19.4	29.0

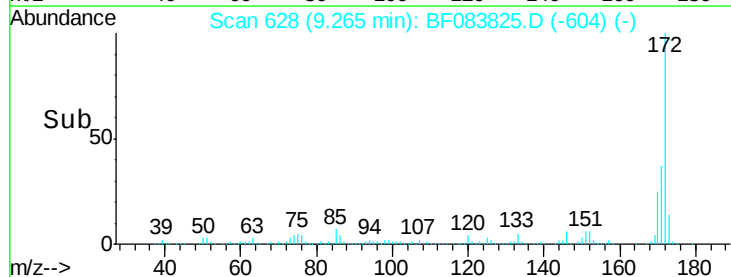
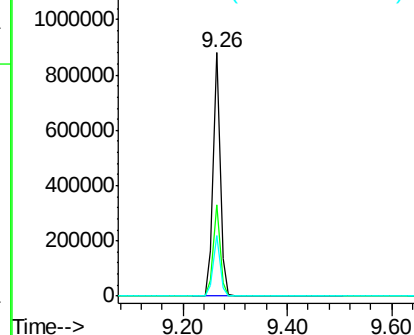


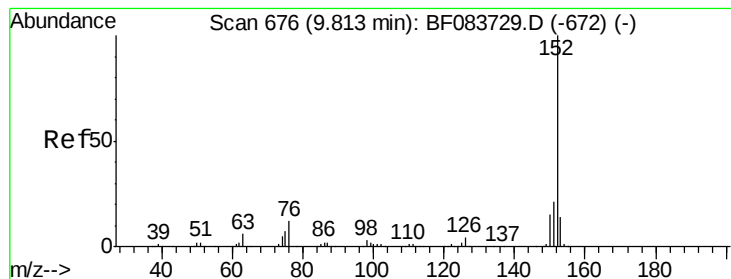
Abundance

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





#48

Acenaphthylene

Concen: 8.22 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

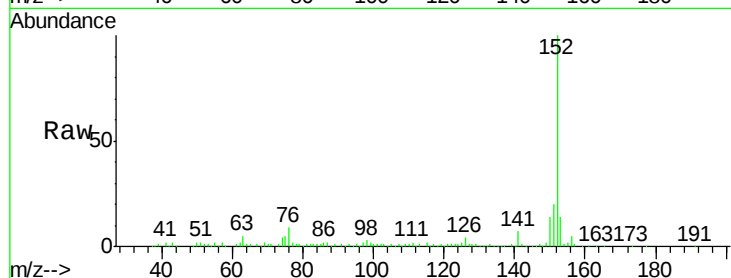
Tot Ion:152 Resp: 131982

Ion Ratio Lower Upper

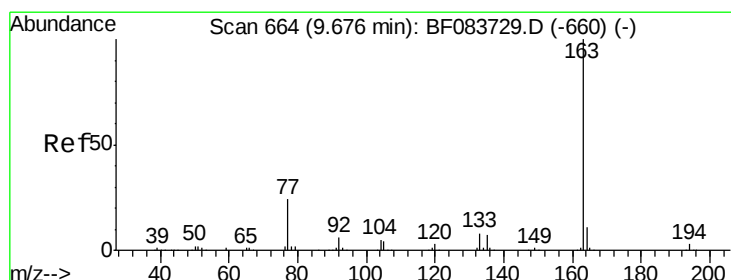
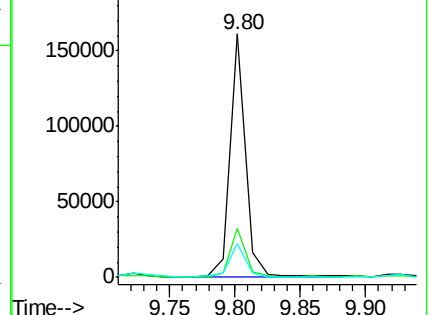
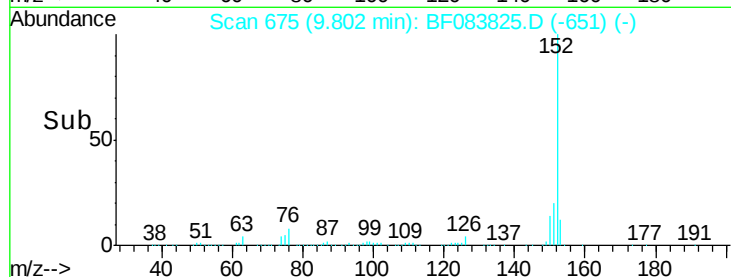
152 100

151 20.4 16.3 24.5

153 14.1 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 16.08 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

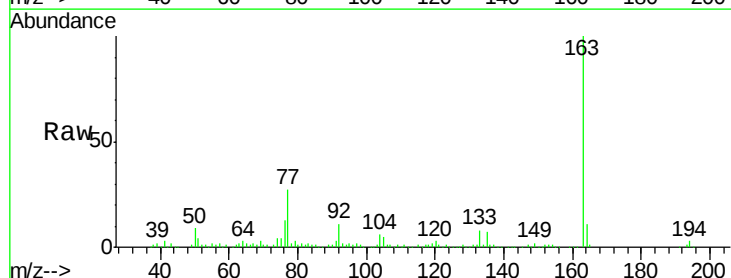
Tgt Ion:163 Resp: 182944

Ion Ratio Lower Upper

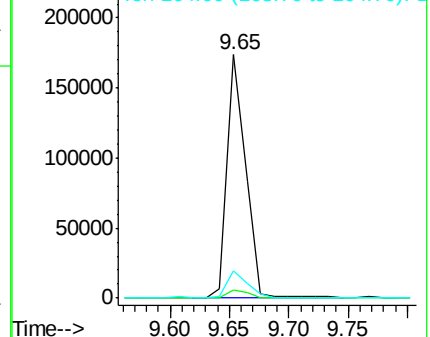
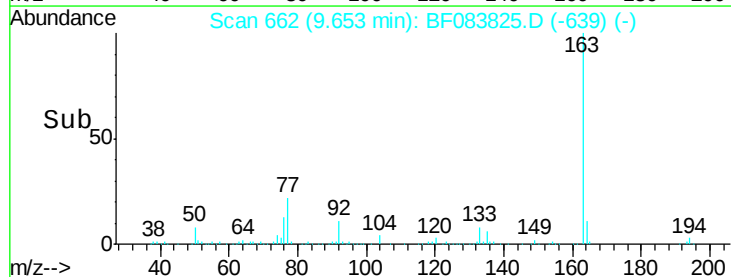
163 100

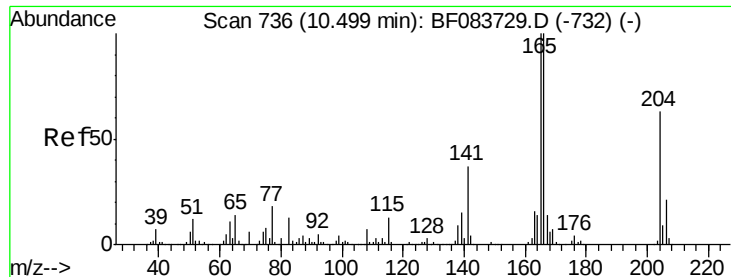
194 3.2 2.8 4.2

164 11.2 8.6 13.0



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

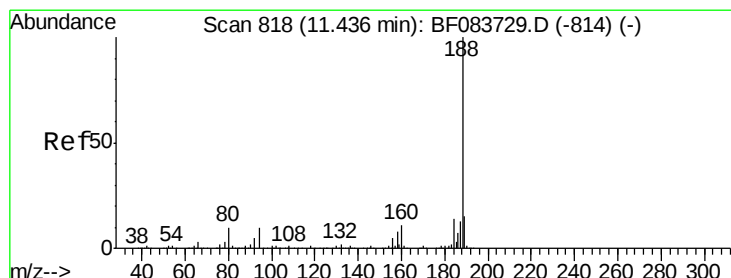
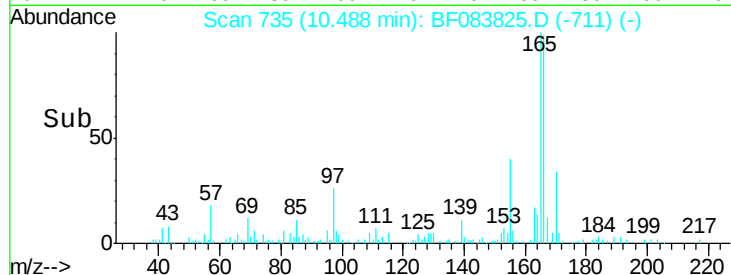
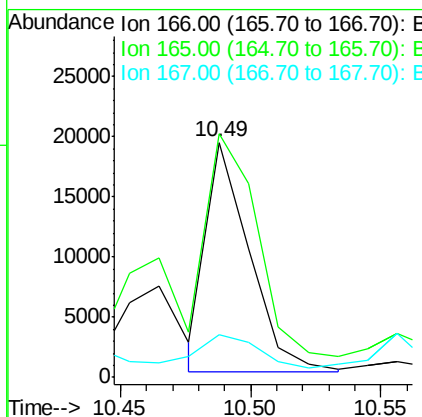
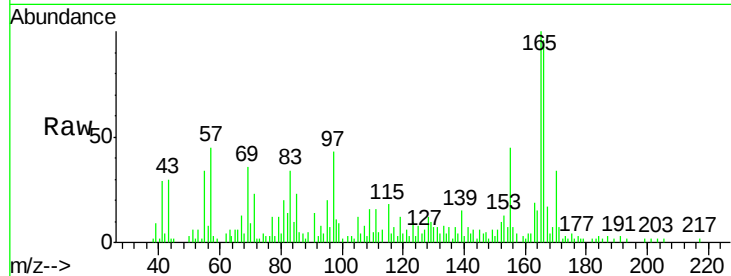




#57
Fluorene
 Concen: 2.18 ng/mL
 RT: 10.49 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

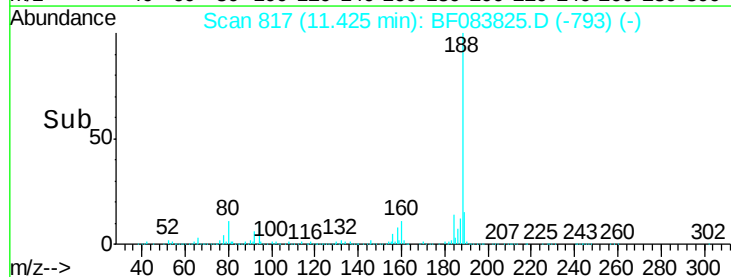
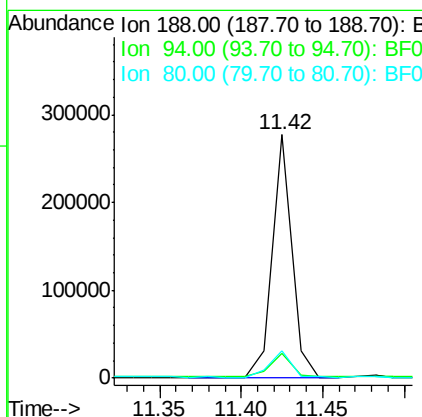
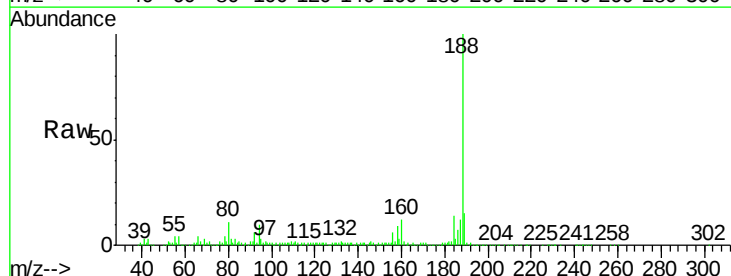
Instrument :
 BNA_F
 ClientSampleId :
 K201-0-2

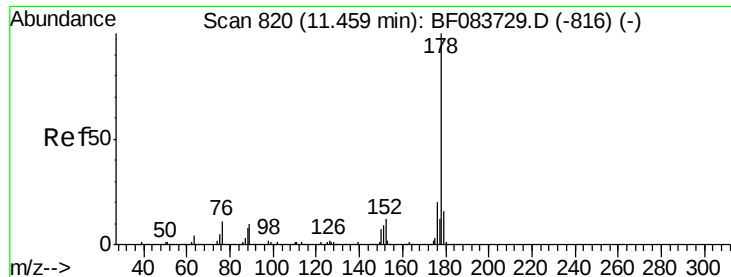
Tot Ion:166 Resp: 22081
 Ion Ratio Lower Upper
 166 100
 165 103.7 80.0 120.0
 167 18.0 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng/mL
 RT: 11.42 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Tgt Ion:188 Resp: 235159
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.1 10.6 16.0

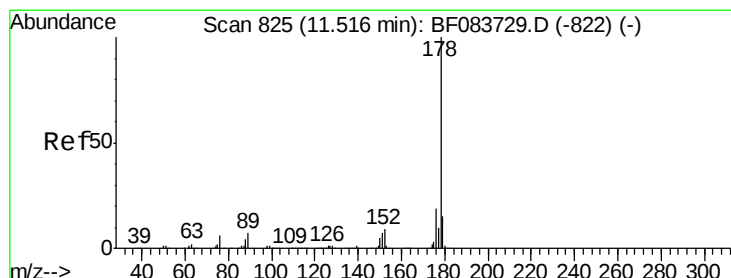
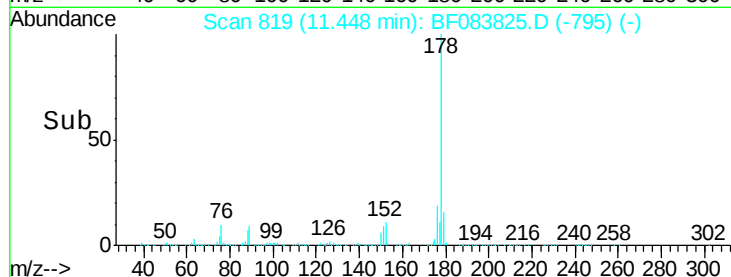
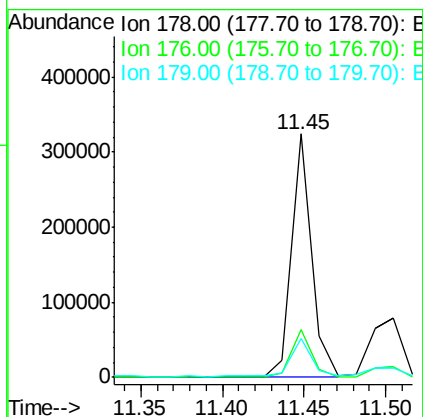
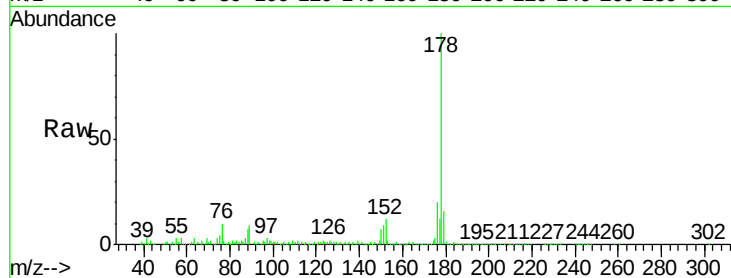




#70
Phenanthrene
Concen: 22.02 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

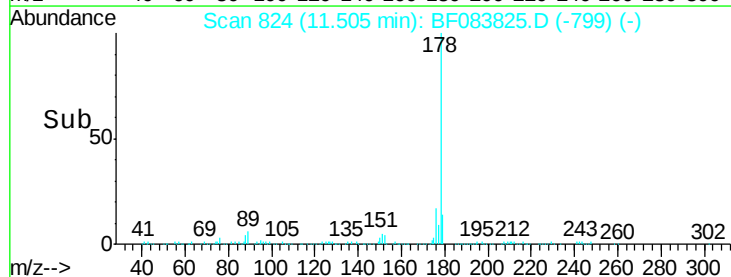
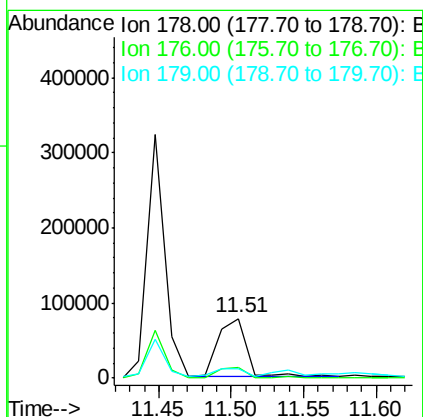
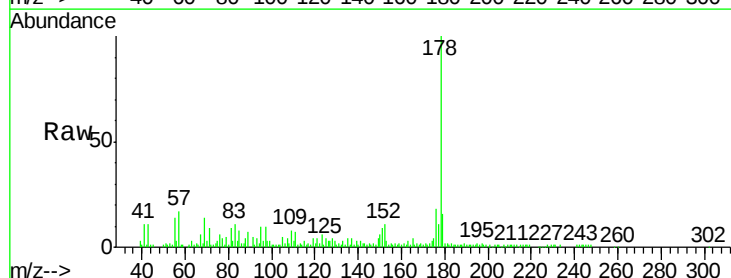
Instrument :
BNA_F
ClientSampleId :
K201-0-2

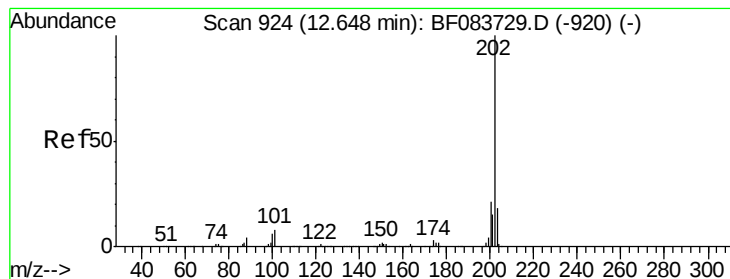
Tot Ion:178 Resp: 275133
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.0 12.2 18.4



#71
Anthracene
Concen: 7.87 ng
RT: 11.51 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Tgt Ion:178 Resp: 102077
Ion Ratio Lower Upper
178 100
176 18.0 15.2 22.8
179 16.2 12.6 18.8





#74

Fluoranthene

Concen: 36.94 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

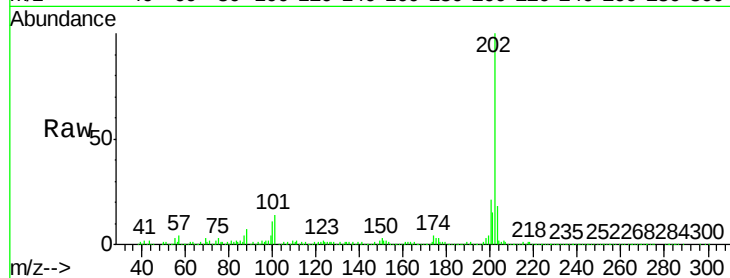
Tot Ion:202 Resp: 476847

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.5

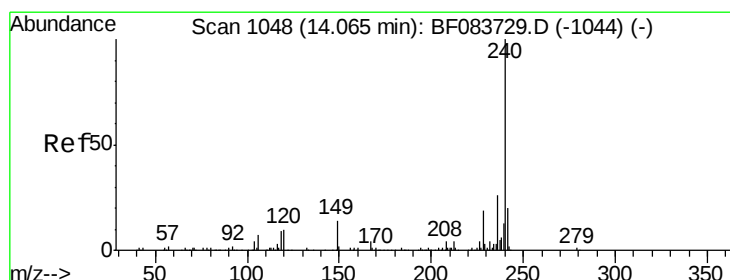
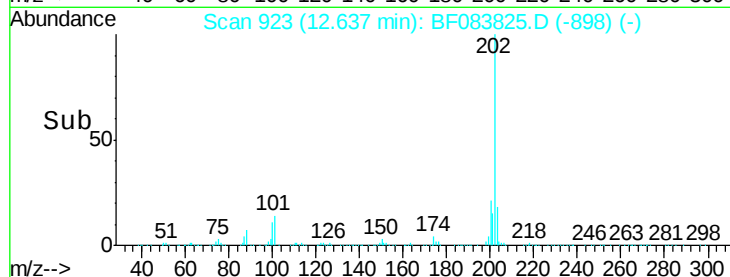
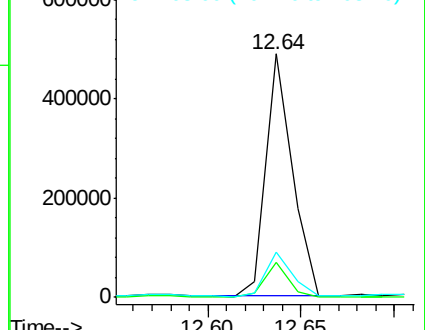
203 18.4 0.0 37.6



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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

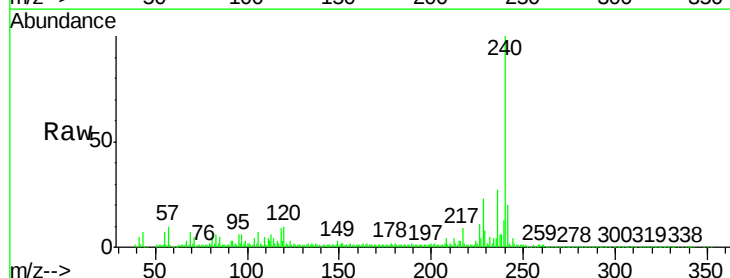
Tgt Ion:240 Resp: 196669

Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

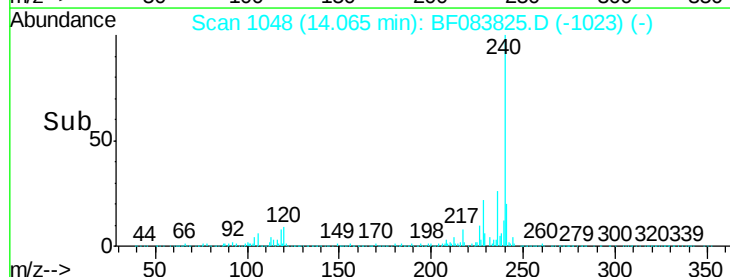
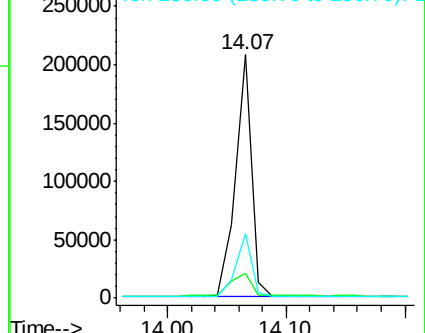
236 26.6 20.8 31.2

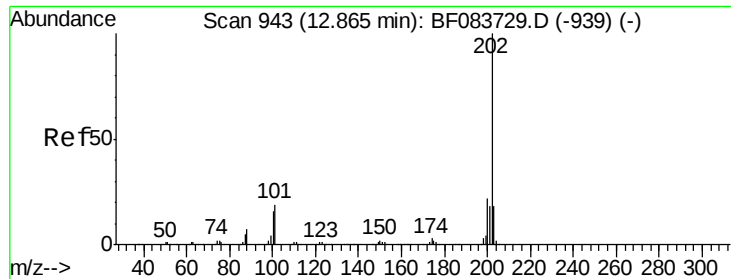


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

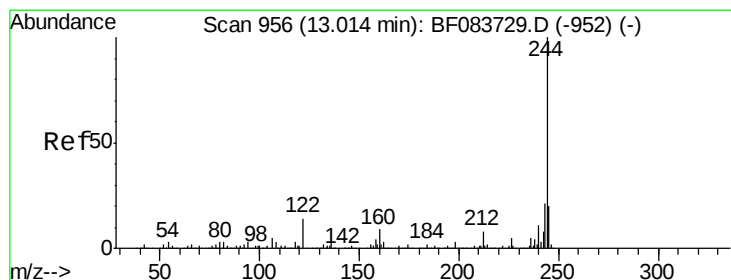
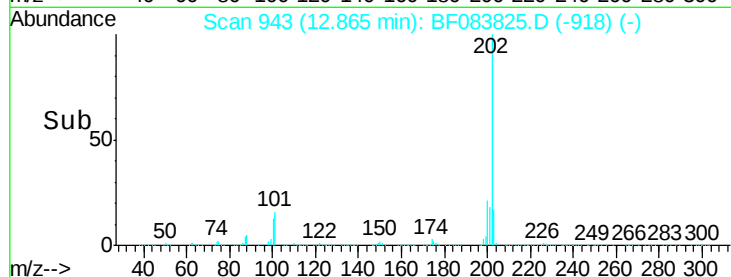
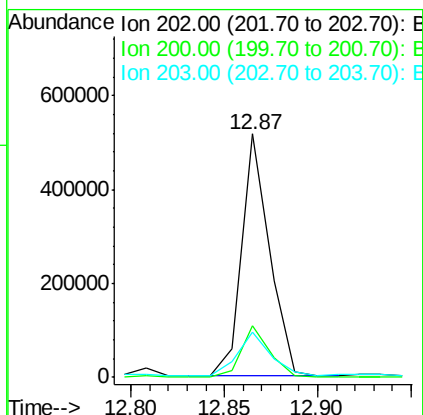
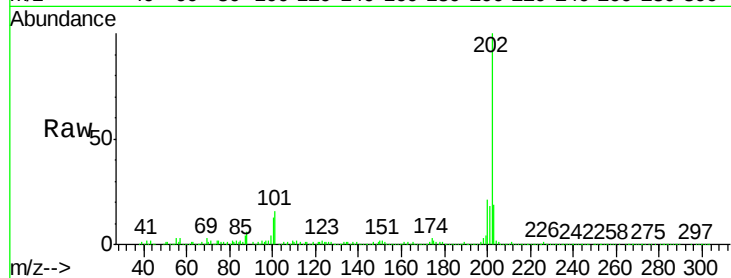




#77
Pvrene
Concen: 34.71 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

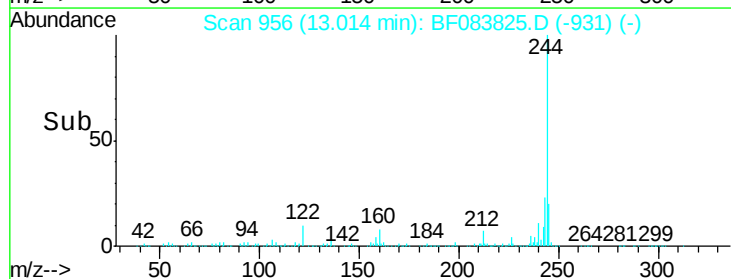
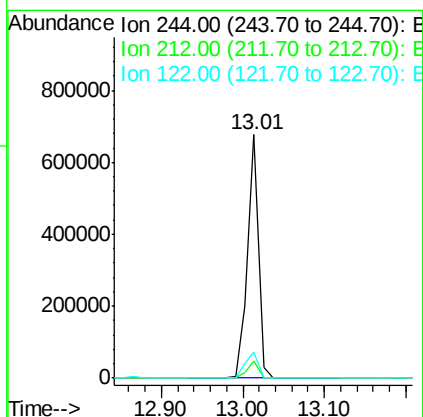
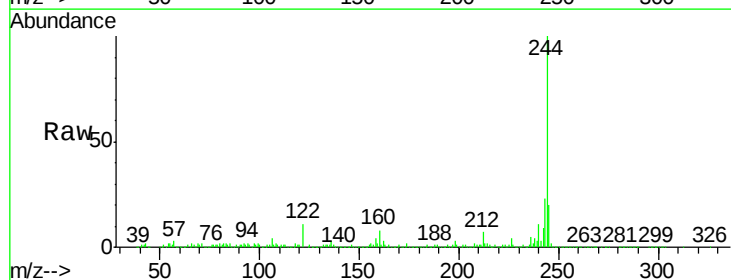
Instrument :
BNA_F
ClientSampleId :
K201-0-2

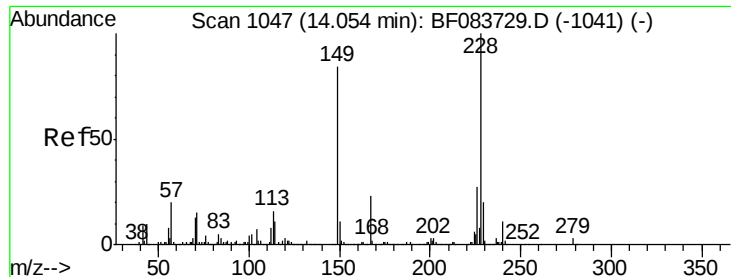
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	18.6	14.3	21.5



#78
Terphenyl-d14
Concen: 68.68 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	10.7	11.0	16.6





#80

Benzo(a)anthracene

Concen: 25.20 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

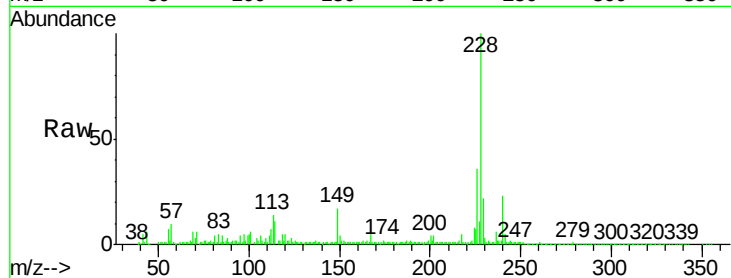
Tot Ion:228 Resp: 281774

Ion Ratio Lower Upper

228 100

226 36.4 22.3 33.5#

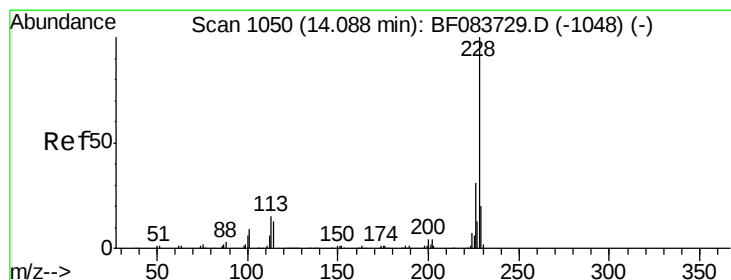
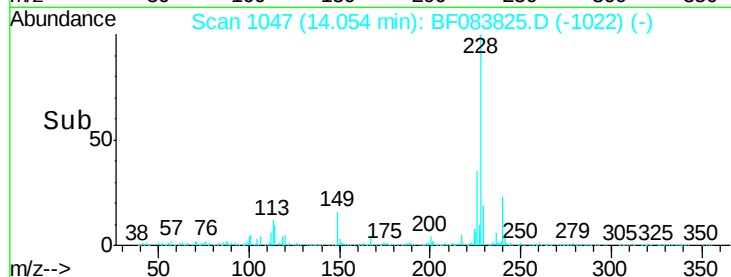
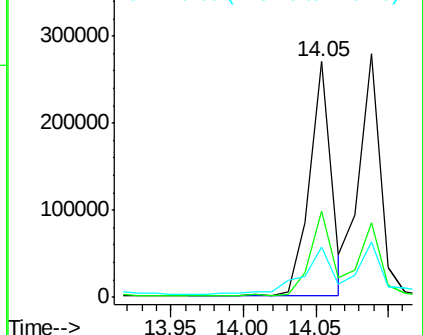
229 21.6 15.7 23.5



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: 26.32 ng m

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

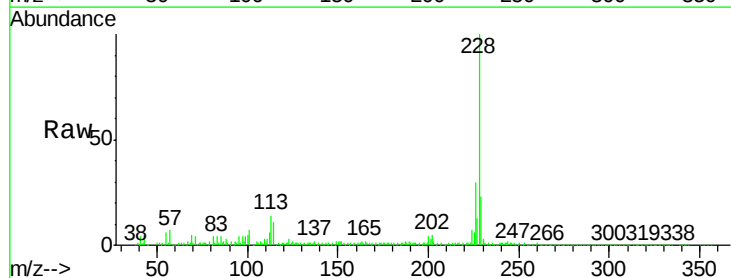
Tgt Ion:228 Resp: 287075

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

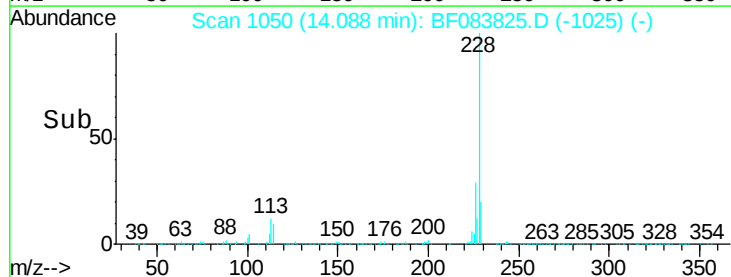
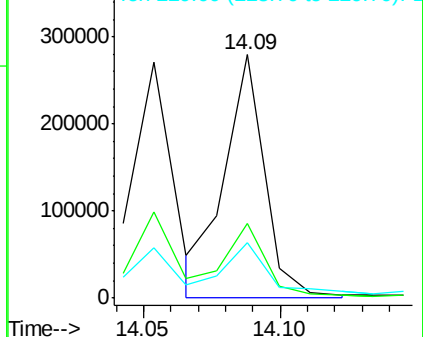
229 23.0 16.3 24.5

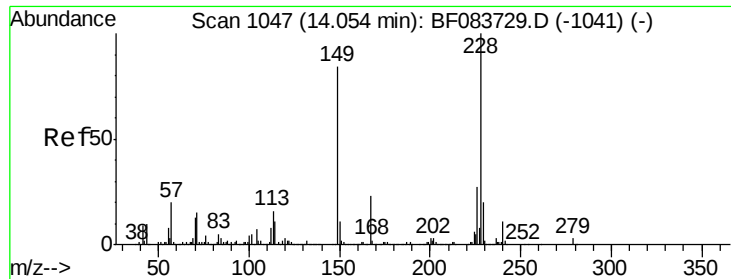


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

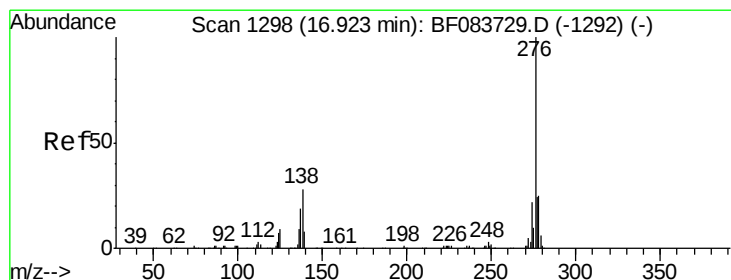
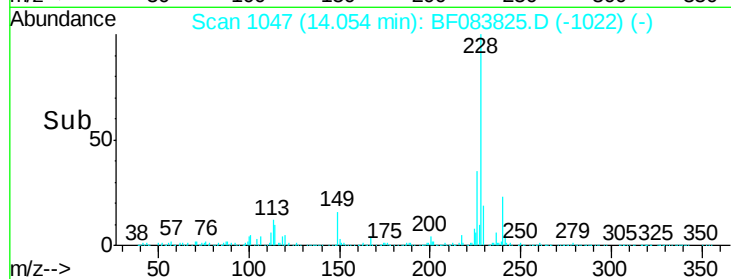
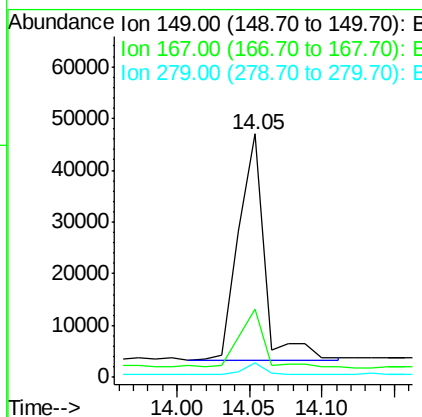
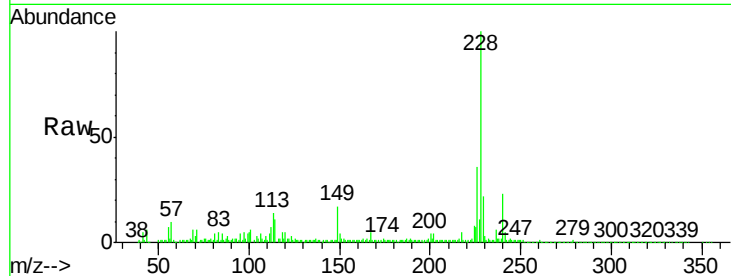




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.08 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

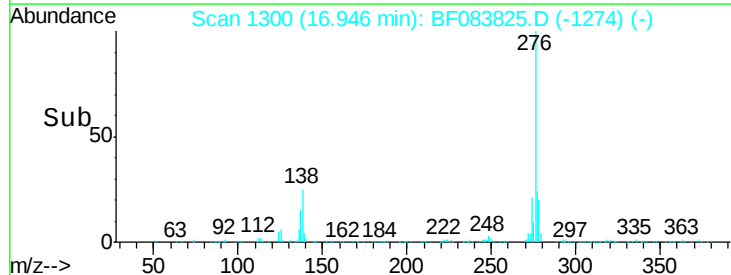
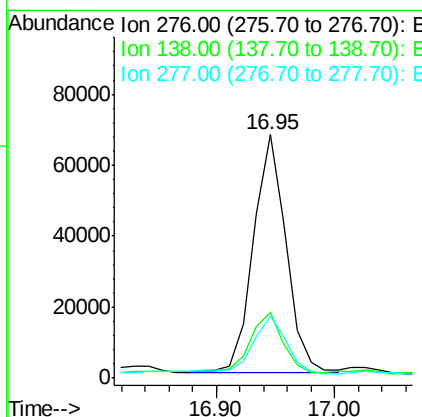
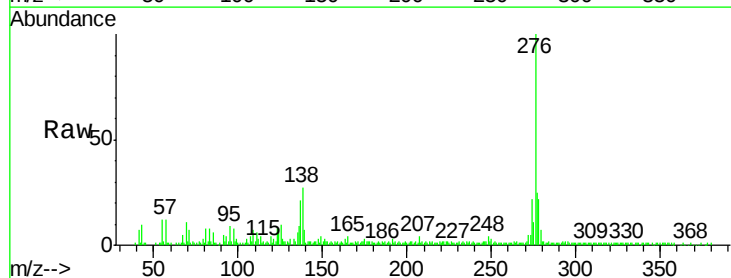
Instrument :
 BNA_F
 ClientSampleId :
 K201-0-2

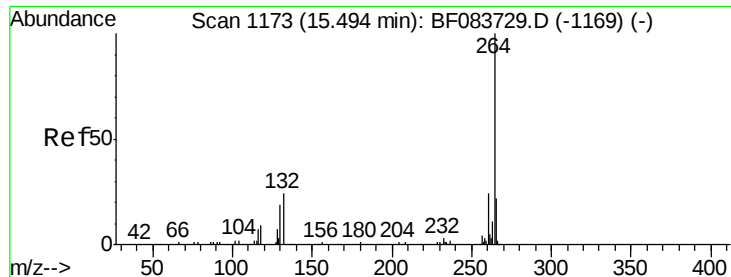
Tot Ion:149 Resp: 53733
 Ion Ratio Lower Upper
 149 100
 167 28.2 21.8 32.8
 279 6.2 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.02 ng
 RT: 16.95 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF083825.D
 Acq: 15 Dec 2015 18:23

Tgt Ion:276 Resp: 128753
 Ion Ratio Lower Upper
 276 100
 138 24.8 0.0 0.0#
 277 27.3 0.0 0.0#

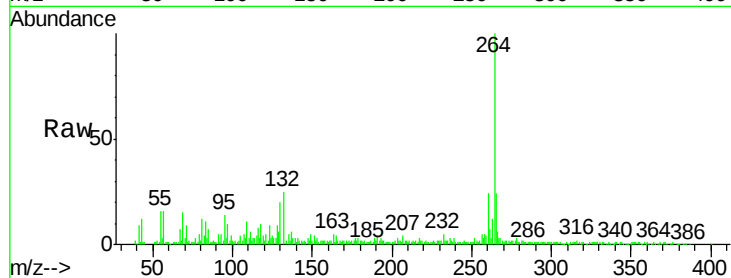




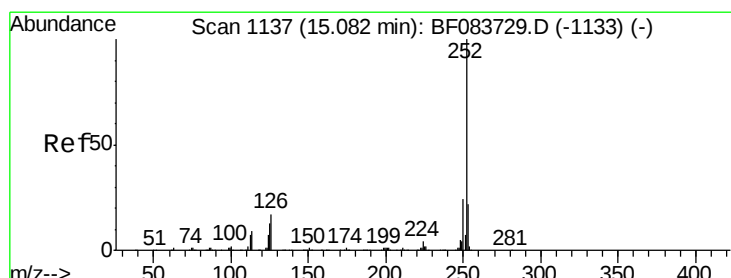
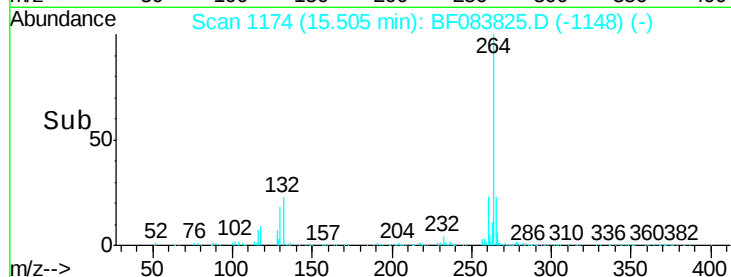
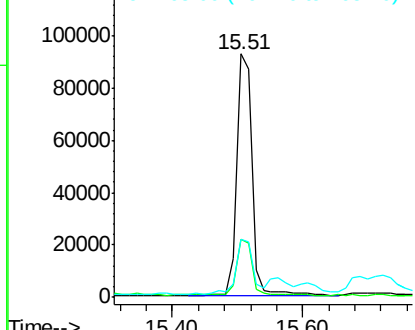
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Instrument :
BNA_F
ClientSampleId :
K201-0-2

Tot Ion:264 Resp: 147924
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 23.8 17.8 26.6

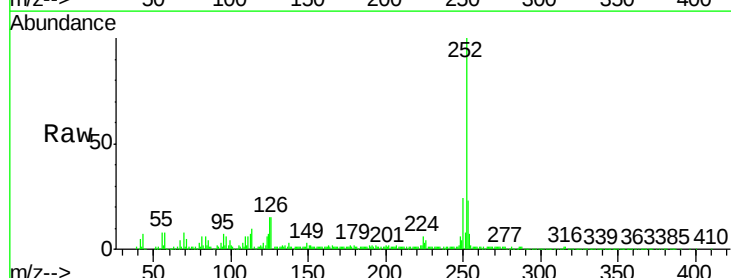


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

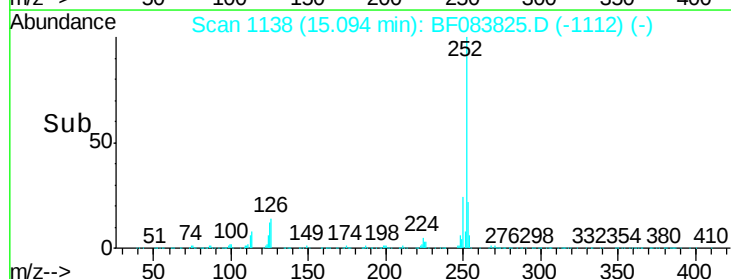
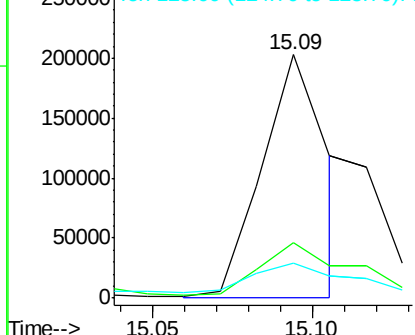


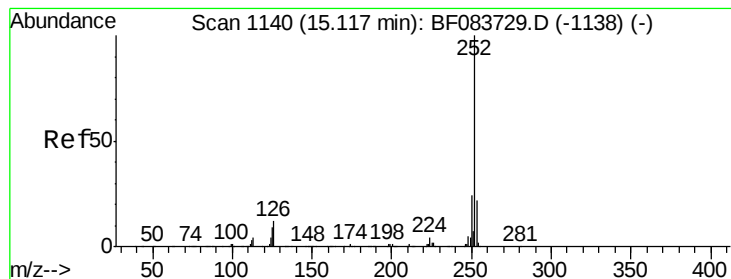
#87
Benzo(b)fluoranthene
Concen: 30.55 ng m
RT: 15.09 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Tgt Ion:252 Resp: 288283
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 14.6 8.2 12.4#



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: 11.72 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

Instrument :

BNA_F

ClientSampleId :

K201-0-2

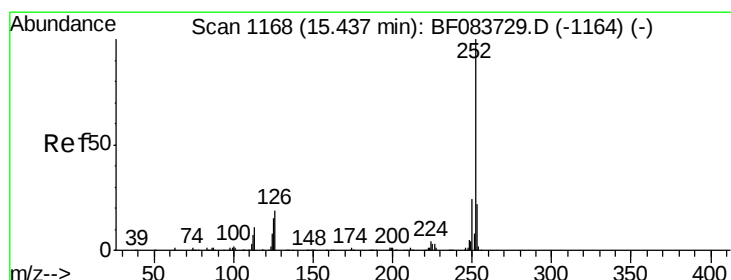
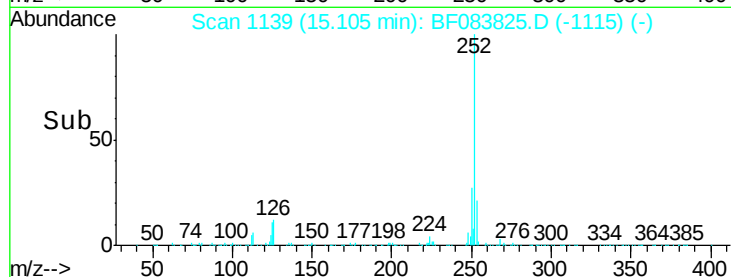
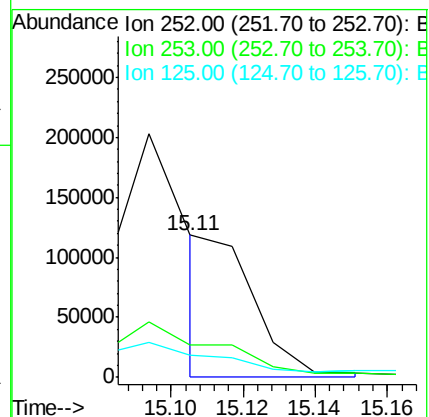
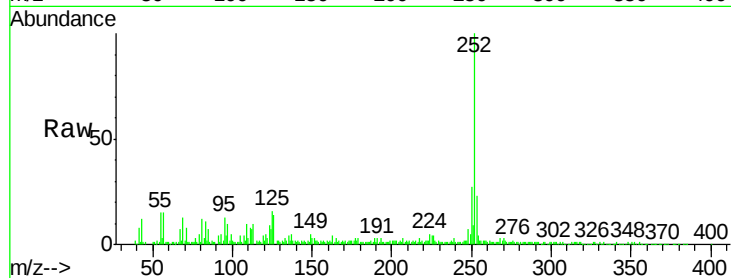
Tot Ion:252 Resp: 100216

Ion Ratio Lower Upper

252 100

253 23.0 18.6 27.8

125 15.9 11.5 17.3



#89

Benzo(a)pyrene

Concen: 24.45 ng

RT: 15.45 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF083825.D

Acq: 15 Dec 2015 18:23

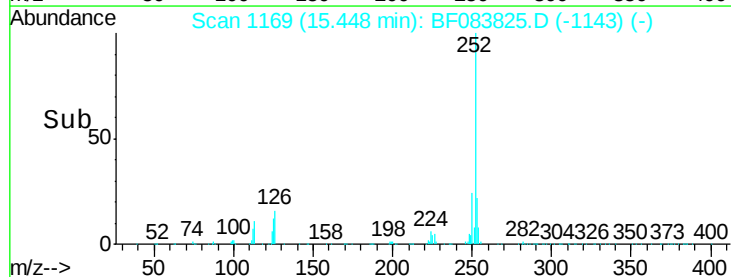
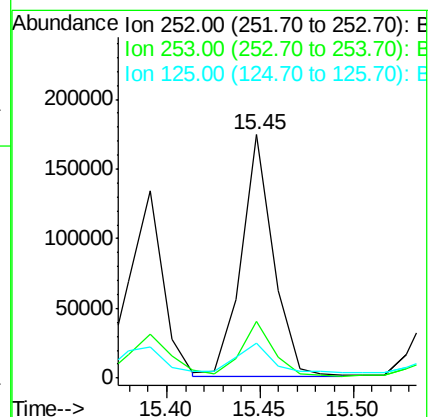
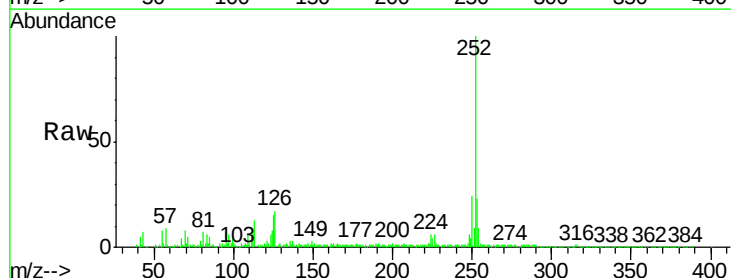
Tgt Ion:252 Resp: 205880

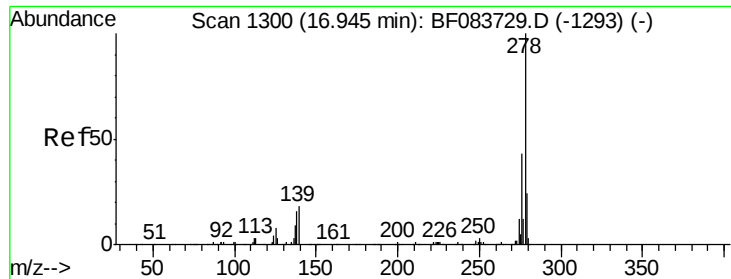
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 14.5 11.0 16.6

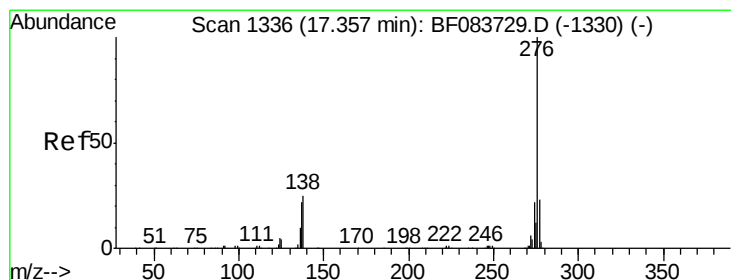
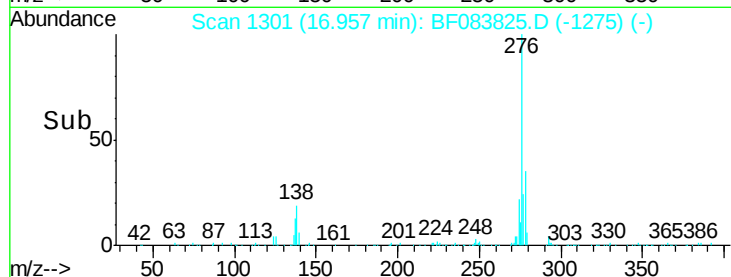
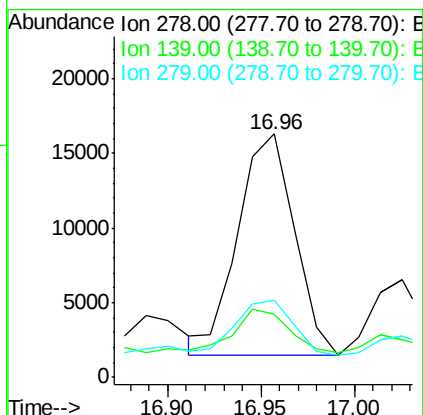
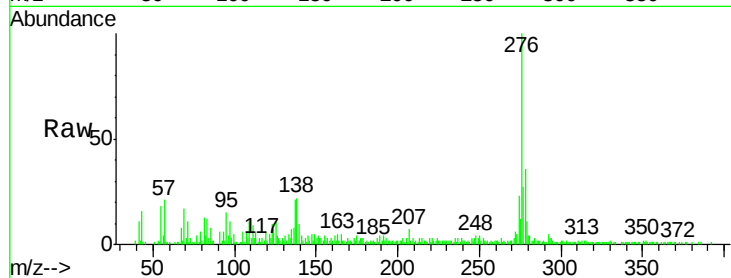




#90
Dibenzo(a,h)anthracene
Concen: 3.72 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Instrument :
BNA_F
ClientSampleId :
K201-0-2

Tot Ion:278 Resp: 31161
Ion Ratio Lower Upper
278 100
139 26.2 12.8 19.2#
279 31.5 18.6 28.0#



#91
Benzo(g,h,i)perylene
Concen: 16.14 ng
RT: 17.38 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083825.D
Acq: 15 Dec 2015 18:23

Tgt Ion:276 Resp: 138892
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 25.2 19.5 29.3

