

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083823.D
 Acq On : 15 Dec 2015 17:27
 Operator : UM/IZ
 Sample : G4739-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K211-0-2

Quant Time: Dec 16 04:51:10 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

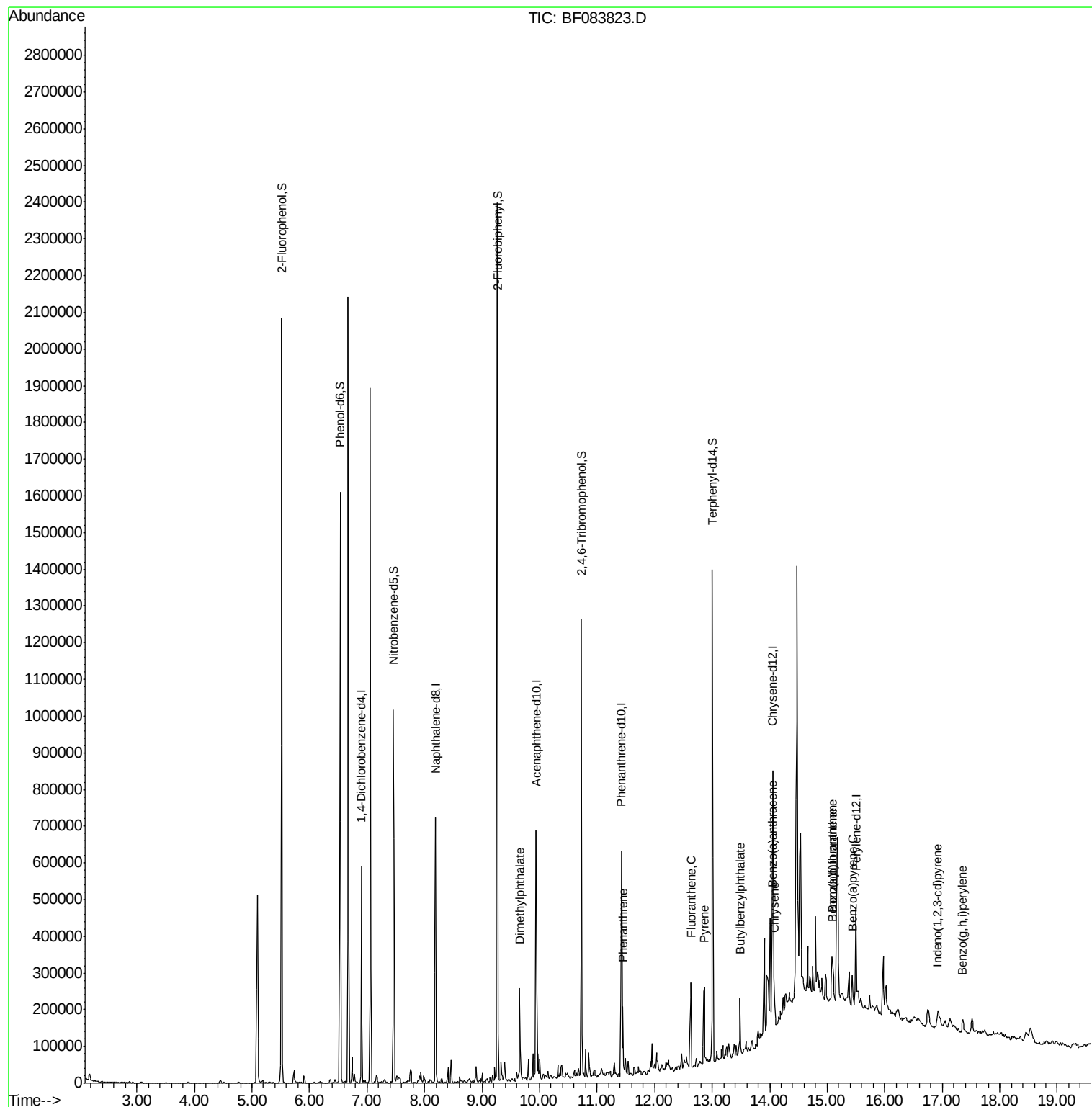
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	93521	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	362868	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	137062	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	229094	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	201507	20.00	ng	-0.02
86) Perylene-d12	15.51	264	150863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	627831	108.30	ng	-0.01
7) Phenol-d6	6.53	99	726744	98.99	ng	-0.01
23) Nitrobenzene-d5	7.46	82	443861	68.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	145566	104.23	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	706424	72.19	ng	-0.02
78) Terphenyl-d14	13.00	244	443378	47.33	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	94499	8.84	ng	100
70) Phenanthrene	11.45	178	69817	5.74	ng	98
74) Fluoranthene	12.64	202	120096	9.55	ng	97
77) Pyrene	12.87	202	121635	7.64	ng	98
79) Butylbenzylphthalate	13.48	149	35000	5.12	ng	89
80) Benzo(a)anthracene	14.04	228	65707	5.73	ng	94
82) Chrysene	14.08	228	48188m	4.31	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	24773	2.26	ng	# 100
87) Benzo(b)fluoranthene	15.08	252	56024m	5.82	ng	
88) Benzo(k)fluoranthene	15.09	252	24465m	2.81	ng	
89) Benzo(a)pyrene	15.44	252	38305	4.46	ng	# 94
91) Benzo(a,h,i)perylene	17.36	276	26512	3.02	ng	96

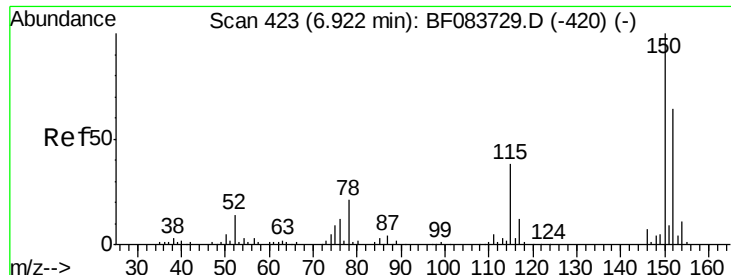
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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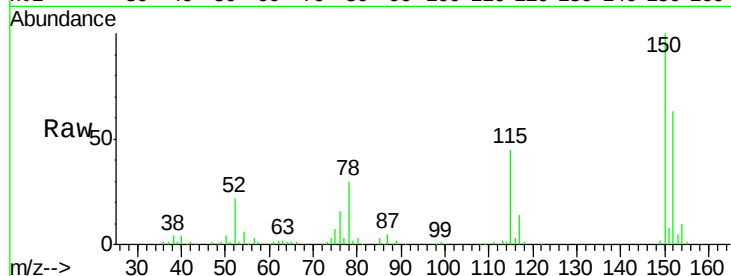


#1

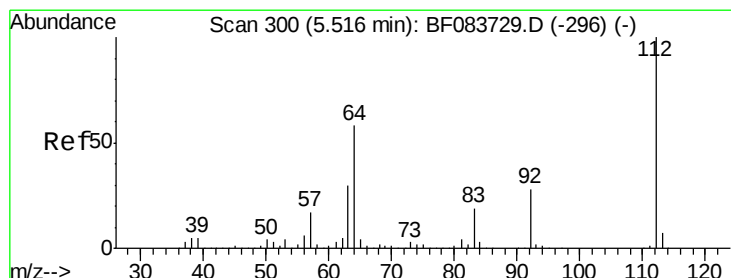
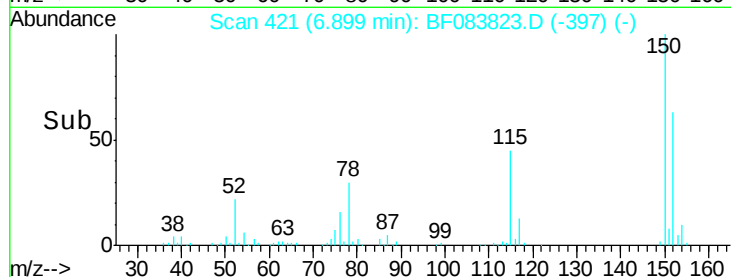
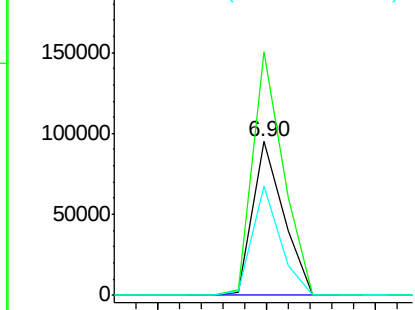
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

Instrument :
BNA_F
ClientSampleId :
K211-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.5	189.7
115	71.5	52.3	78.5



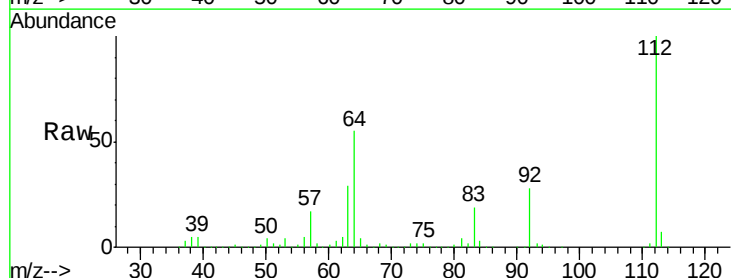
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



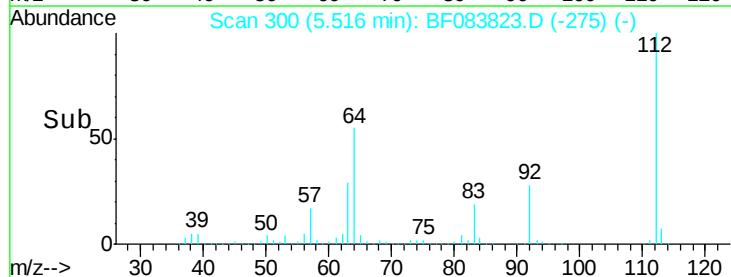
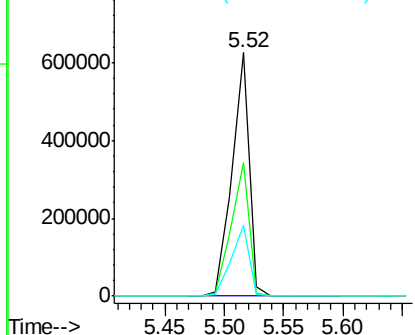
#5

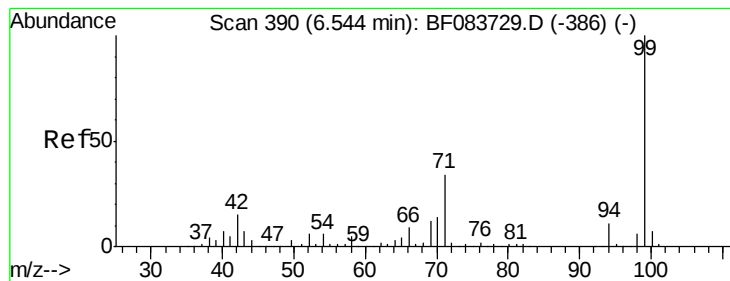
2-Fluorophenol
Concen: 108.30 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	50.5	75.7
63	28.9	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





#7

Phenol-d6

Concen: 98.99 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

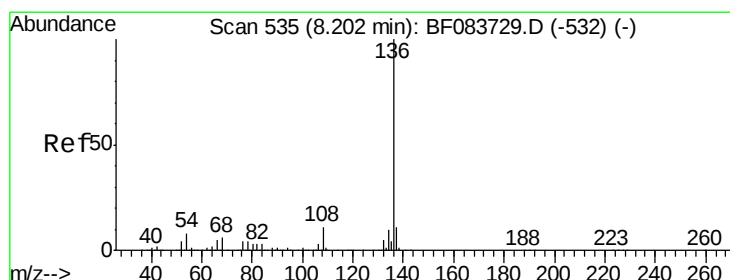
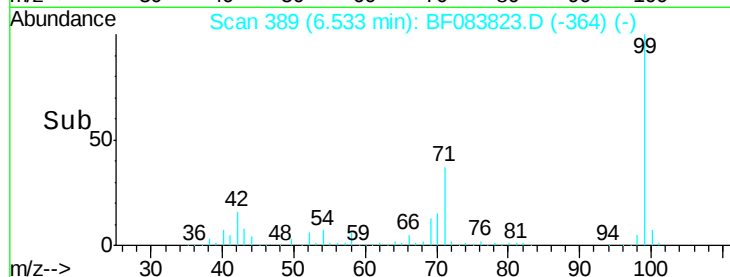
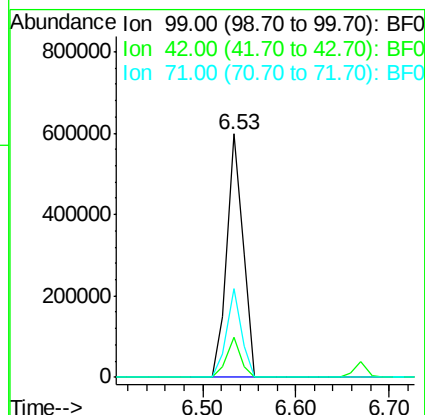
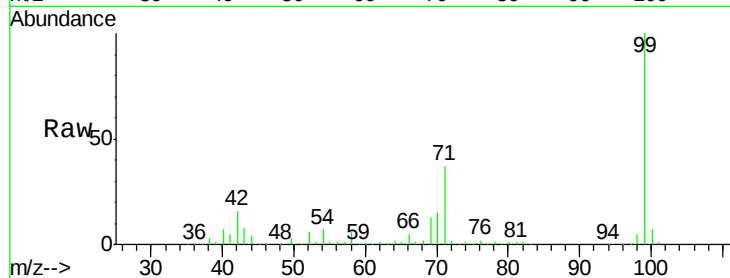
BNA_F

ClientSampleId :

K211-0-2

Tot Ion: 99 Resp: 726744

Ion	Ratio	Lower	Upper
99	100		
42	16.3	17.3	25.9#
71	36.5	26.6	40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

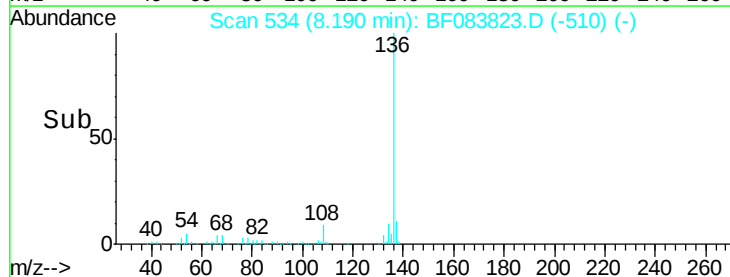
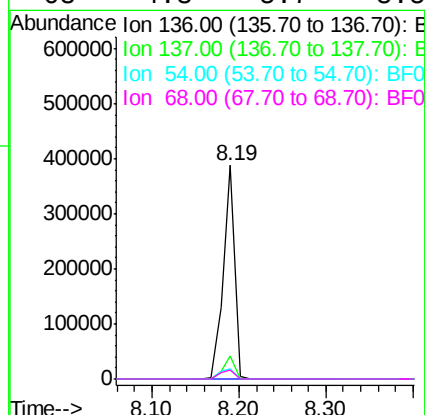
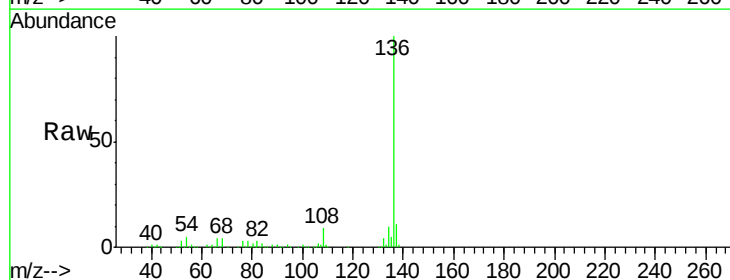
Delta R.T. -0.02 min

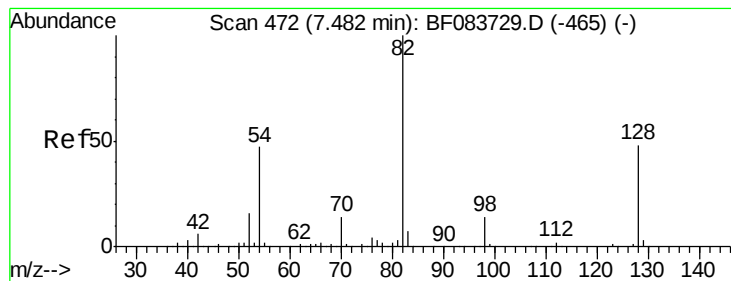
Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Tgt Ion: 136 Resp: 362868

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	5.1	7.8	11.6#
68	4.3	5.7	8.5#





#23

Nitrobenzene-d5

Concen: 68.43 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

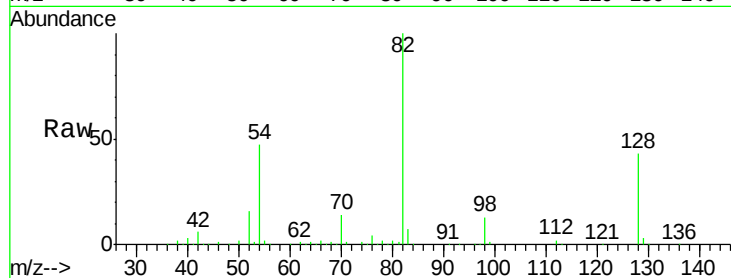
Tot Ion: 82 Resp: 443861

Ion Ratio Lower Upper

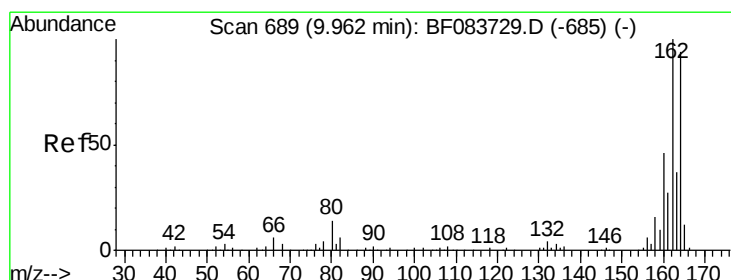
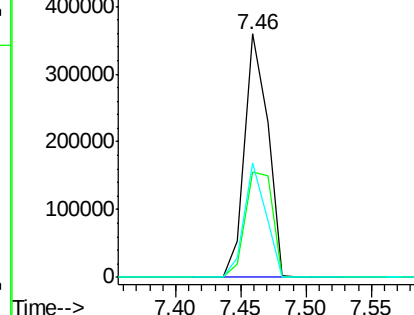
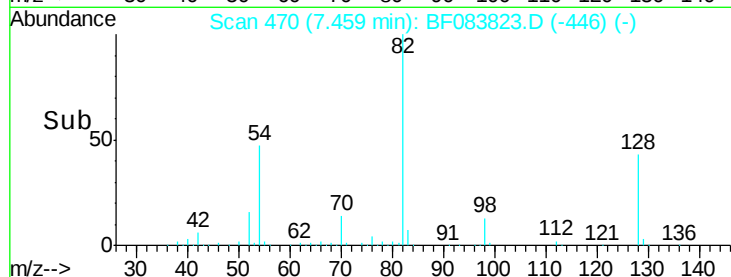
82 100

128 43.5 30.7 46.1

54 47.1 42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

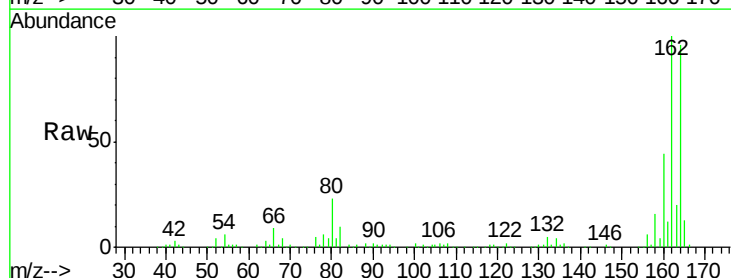
Tgt Ion:164 Resp: 137062

Ion Ratio Lower Upper

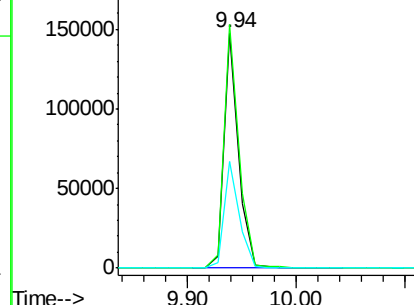
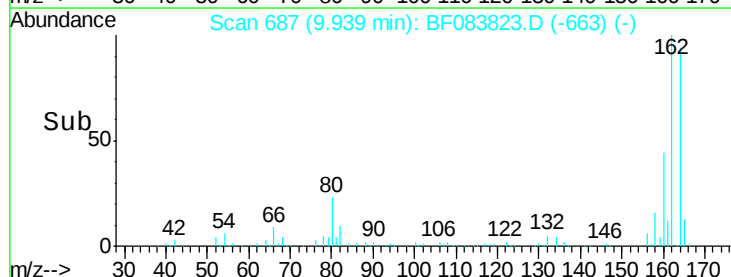
164 100

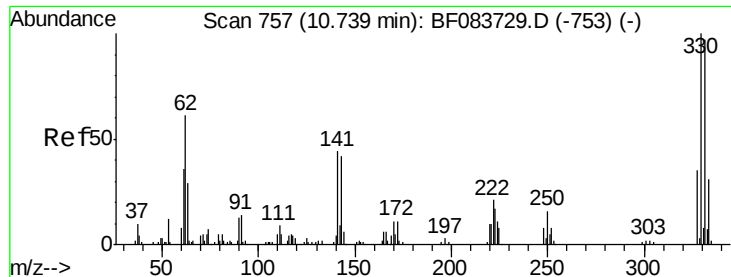
162 103.6 78.8 118.2

160 45.5 33.4 50.2



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

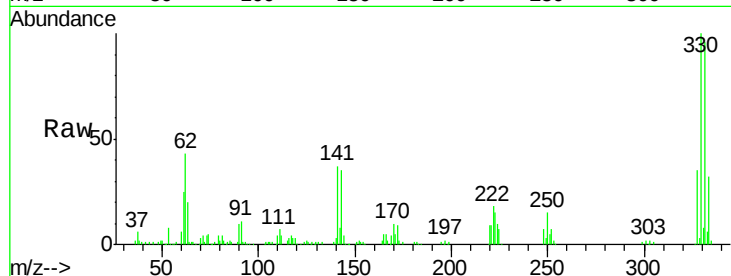




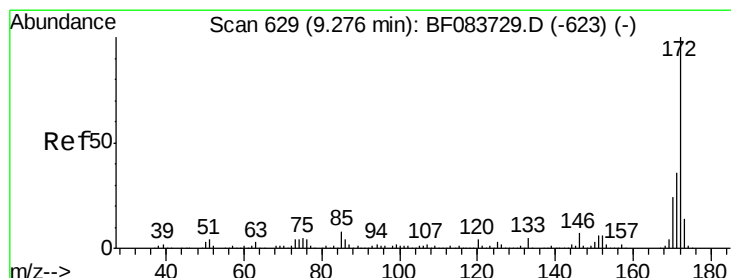
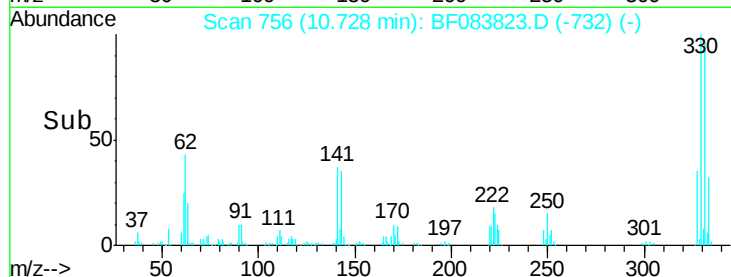
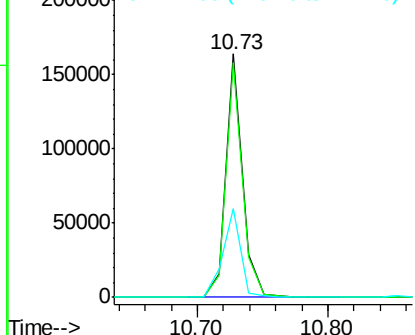
#41
 2,4,6-Tribromophenol
 Concen: 104.23 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083823.D
 Acq: 15 Dec 2015 17:27

Instrument :
 BNA_F
 ClientSampleId :
 K211-0-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	40.6	0.0	0.0#

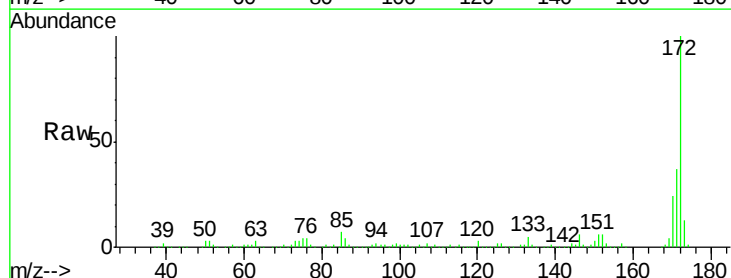


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

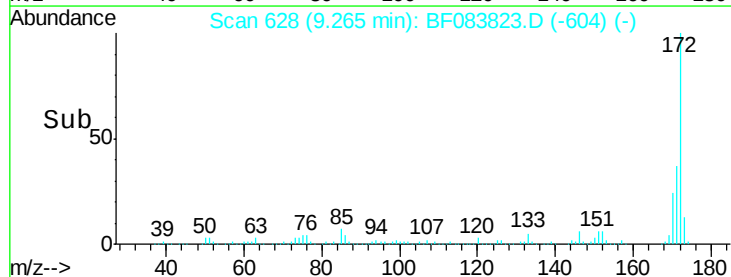
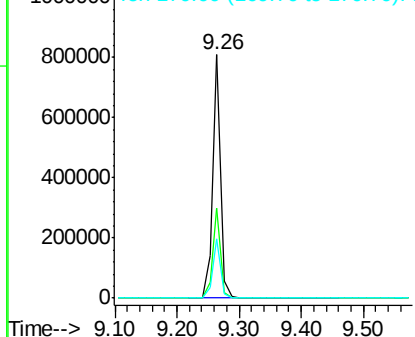


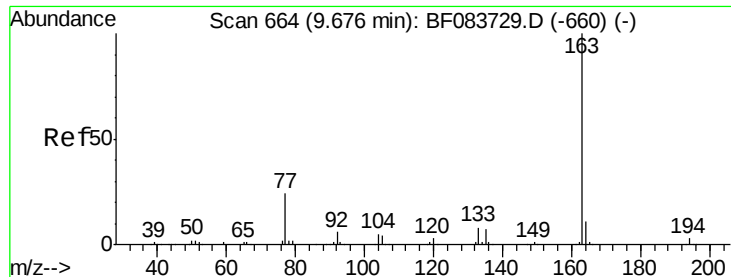
#44
 2-Fluorobiphenyl
 Concen: 72.19 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083823.D
 Acq: 15 Dec 2015 17:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.6	42.8
170	24.2	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





#49

Dimethylphthalate

Concen: 8.84 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

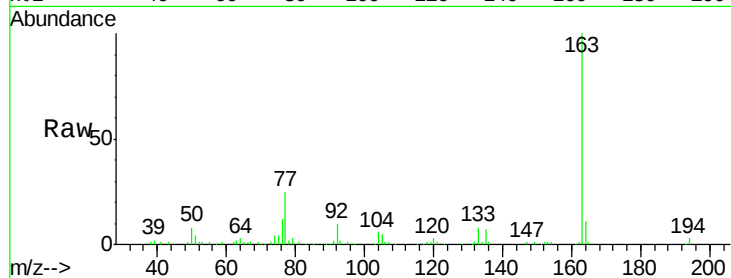
Tot Ion:163 Resp: 94499

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

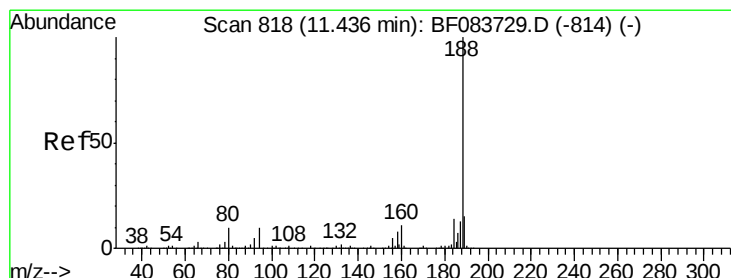
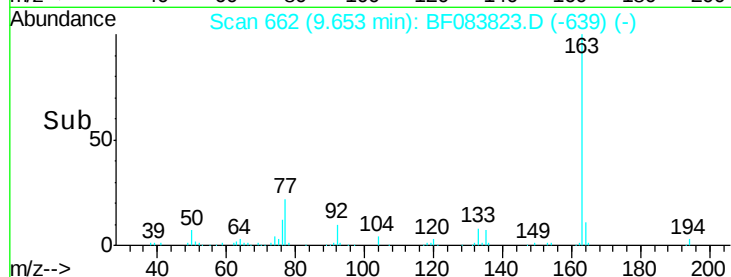
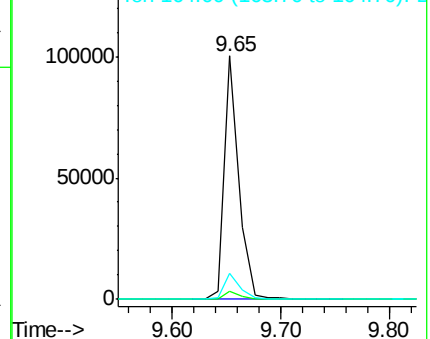
164 10.7 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

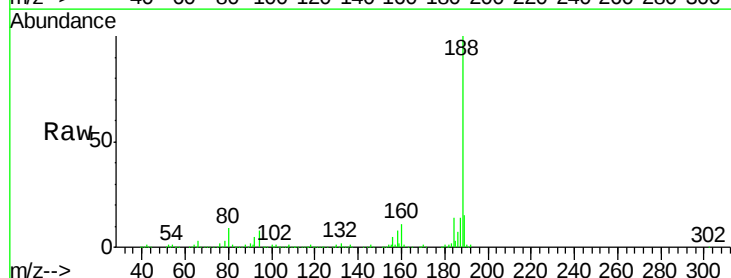
Tgt Ion:188 Resp: 229094

Ion Ratio Lower Upper

188 100

94 8.3 9.4 14.2#

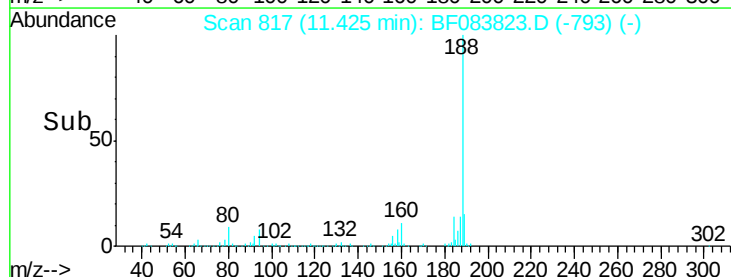
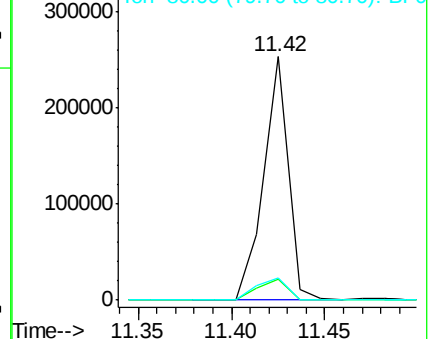
80 8.9 10.6 16.0#

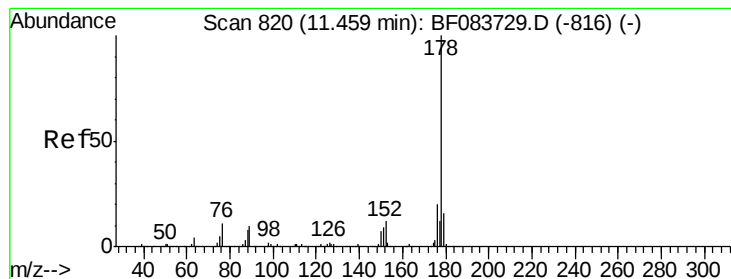


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.74 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

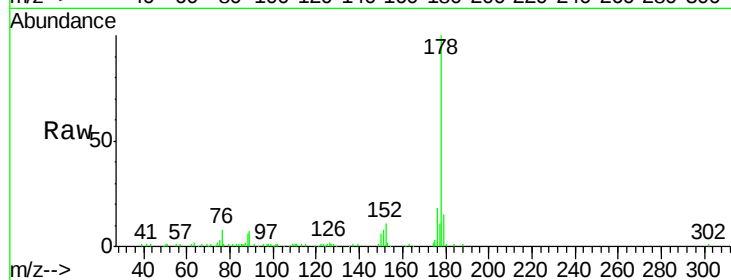
Tot Ion:178 Resp: 69817

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

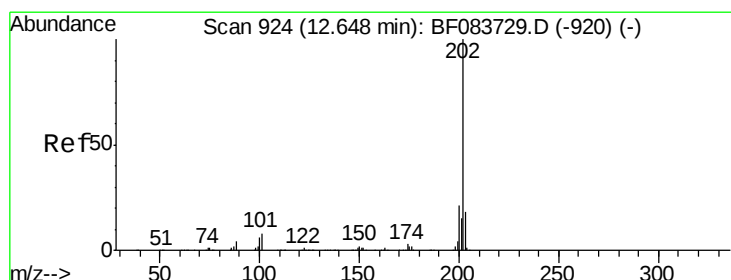
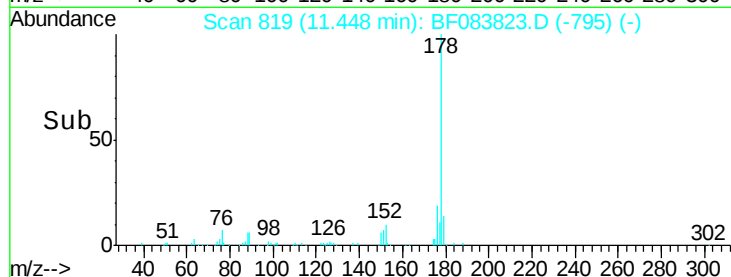
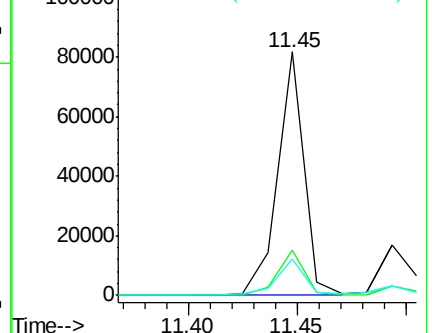
179 14.9 12.2 18.4



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: 9.55 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

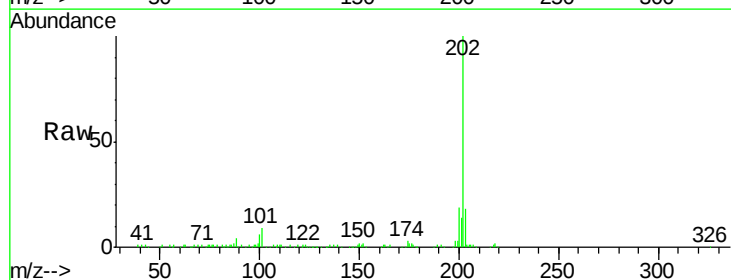
Tgt Ion:202 Resp: 120096

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.5

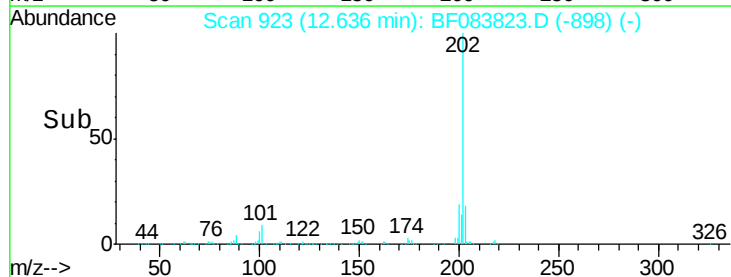
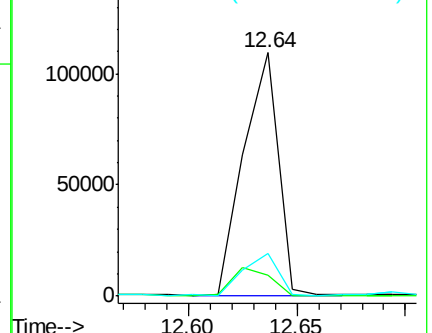
203 17.5 0.0 37.6

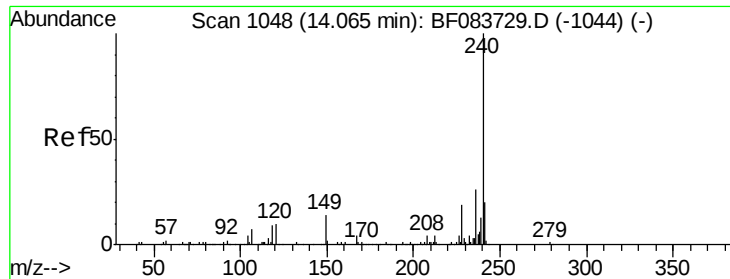


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

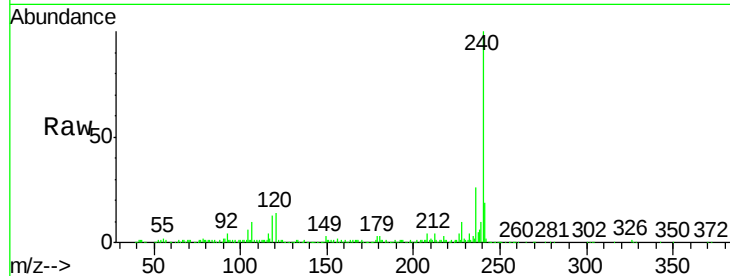
Tot Ion:240 Resp: 201507

Ion Ratio Lower Upper

240 100

120 14.2 8.1 12.1#

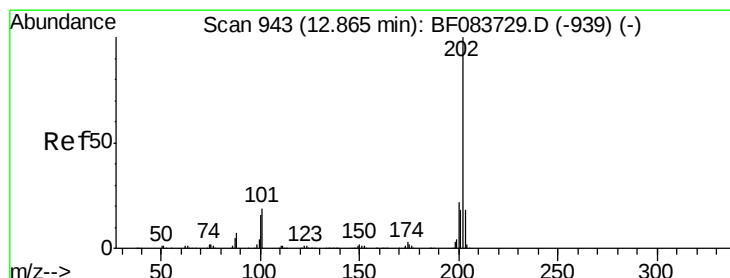
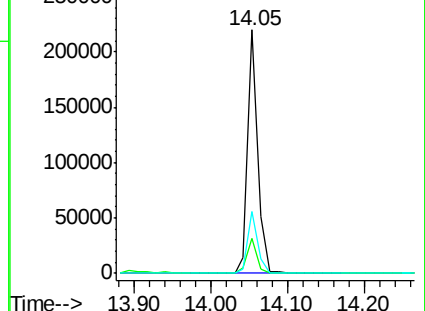
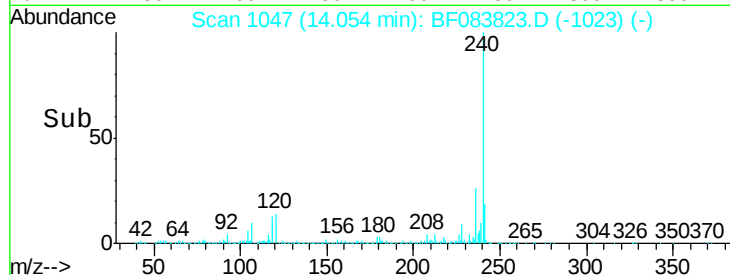
236 25.6 20.8 31.2



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

Pyrene

Concen: 7.64 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

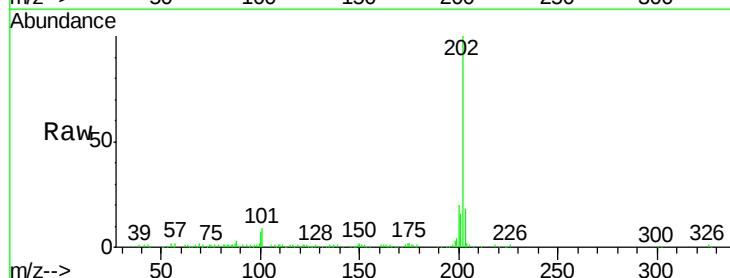
Tgt Ion:202 Resp: 121635

Ion Ratio Lower Upper

202 100

200 19.8 16.7 25.1

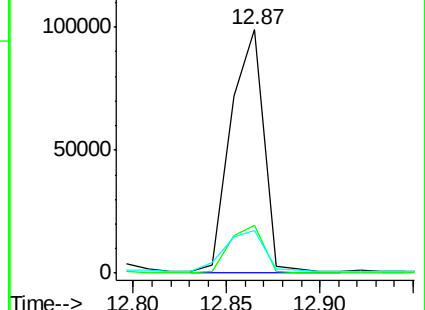
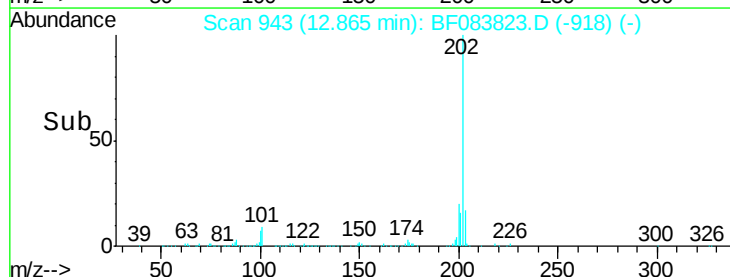
203 17.7 14.3 21.5

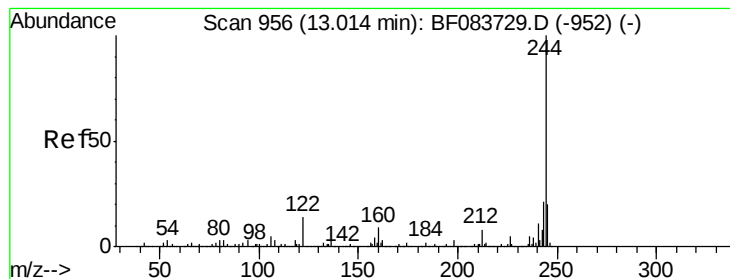


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.33 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

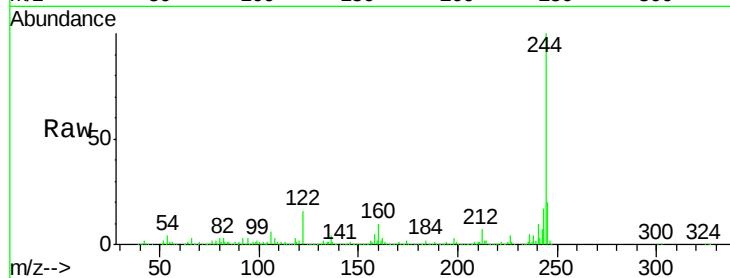
Tot Ion:244 Resp: 443378

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

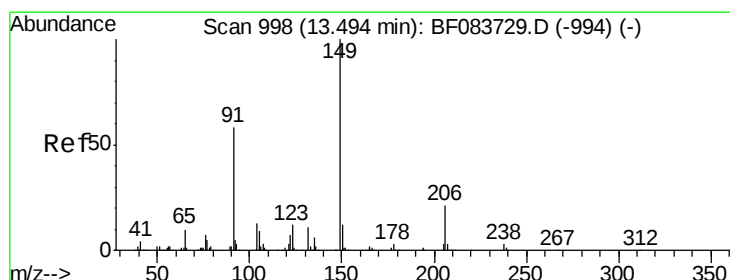
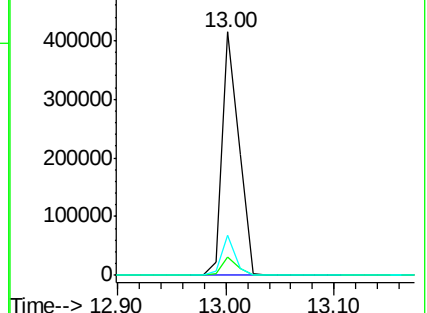
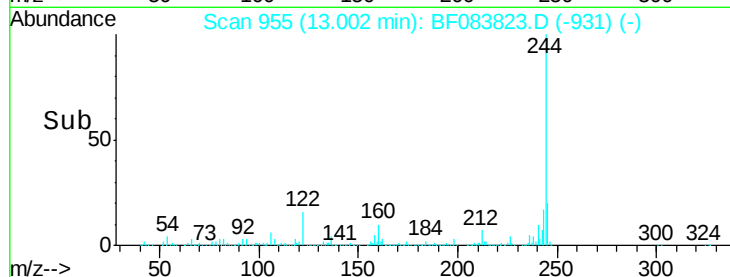
122 16.3 11.0 16.6



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



#79

Butylbenzylphthalate

Concen: 5.12 ng

RT: 13.48 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

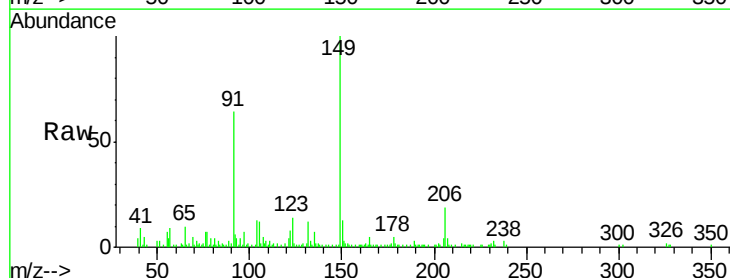
Tgt Ion:149 Resp: 35000

Ion Ratio Lower Upper

149 100

91 63.8 60.0 90.0

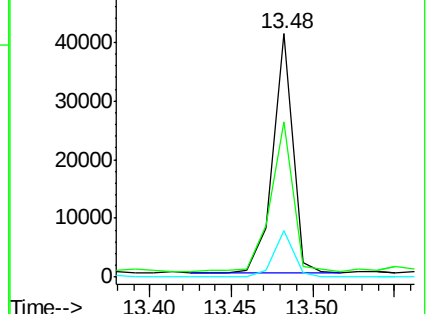
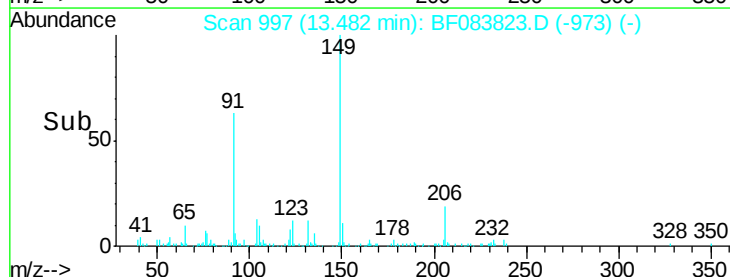
206 19.0 16.2 24.4

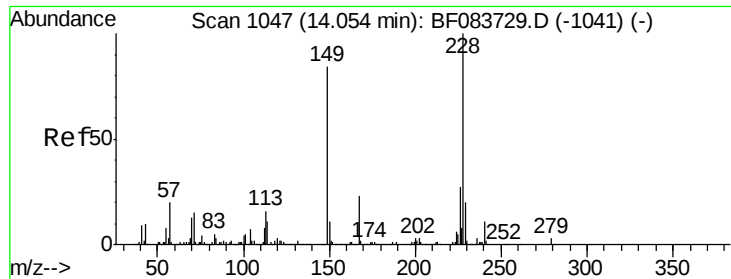


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 5.73 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

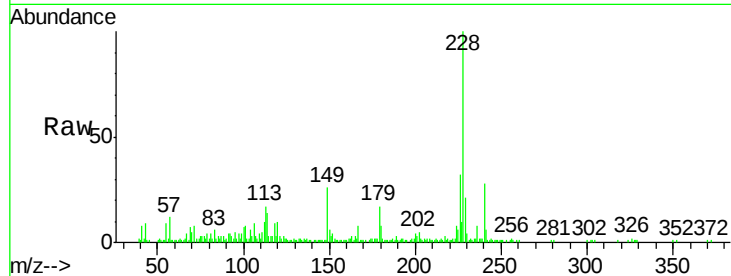
Tot Ion:228 Resp: 65707

Ion Ratio Lower Upper

228 100

226 32.3 22.3 33.5

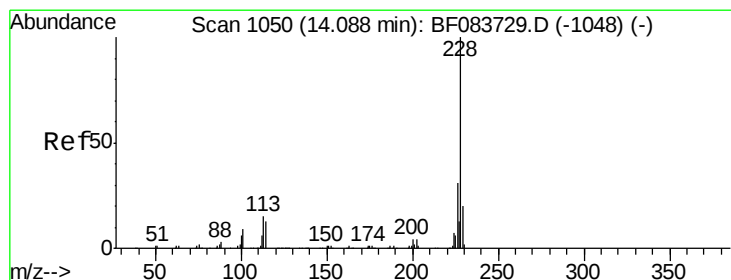
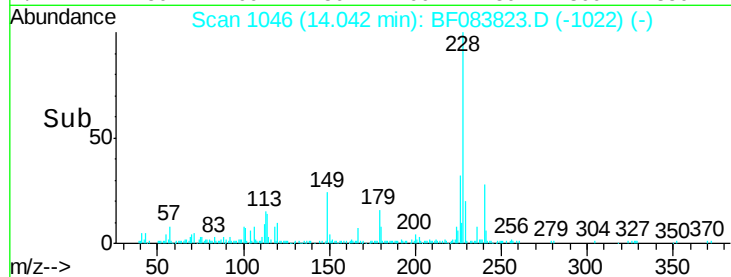
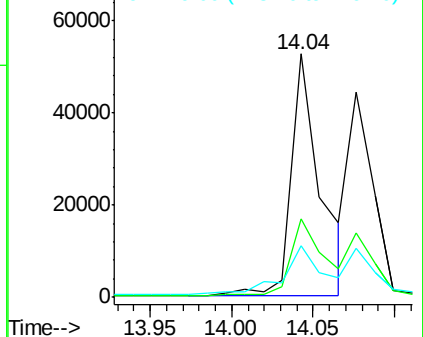
229 21.1 15.7 23.5



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: 4.31 ng m

RT: 14.08 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

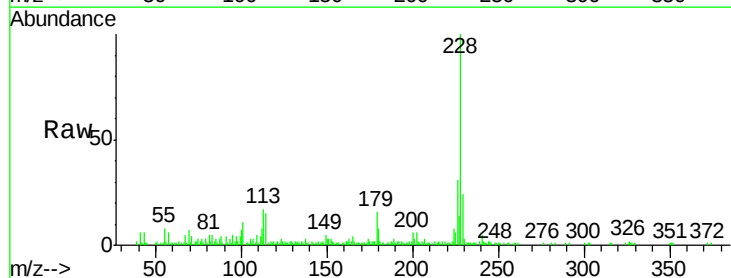
Tgt Ion:228 Resp: 48188

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

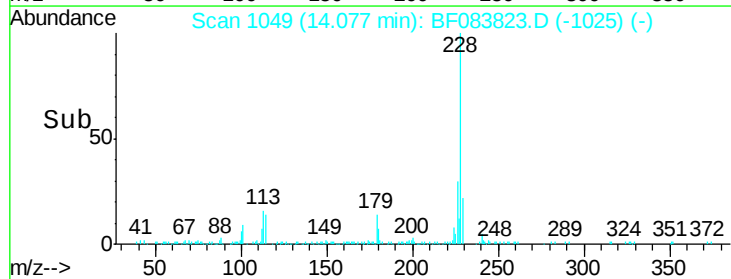
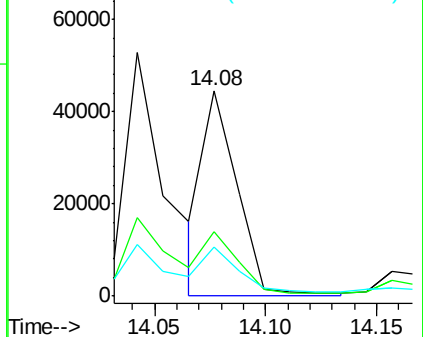
229 24.1 16.3 24.5

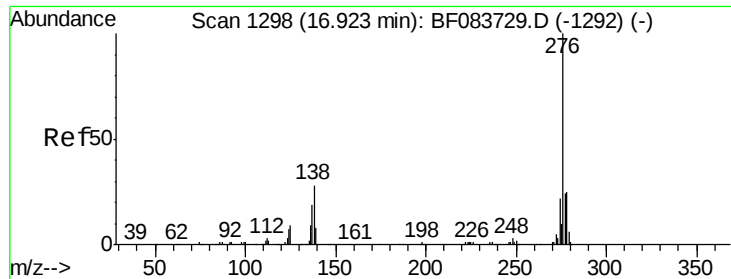


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

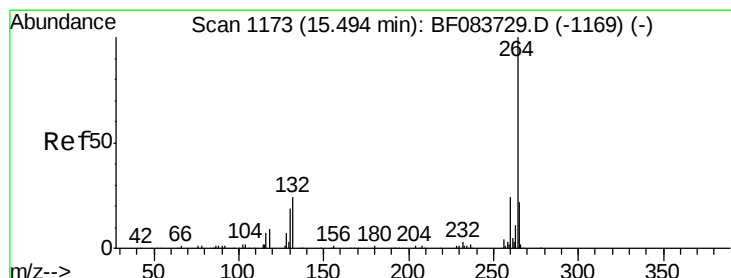
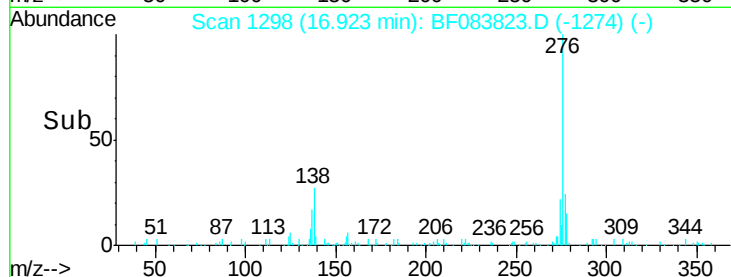
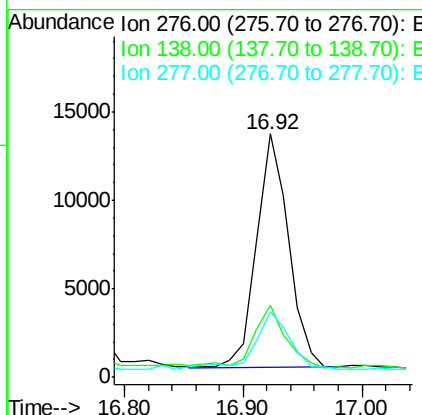
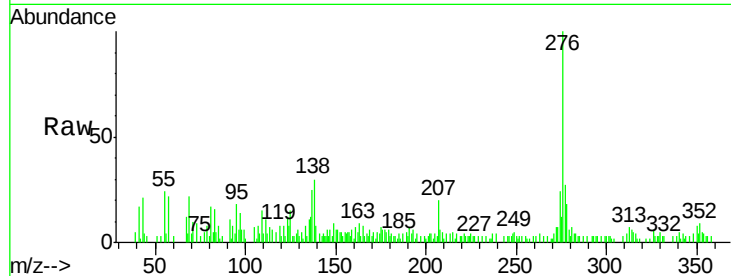




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.26 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

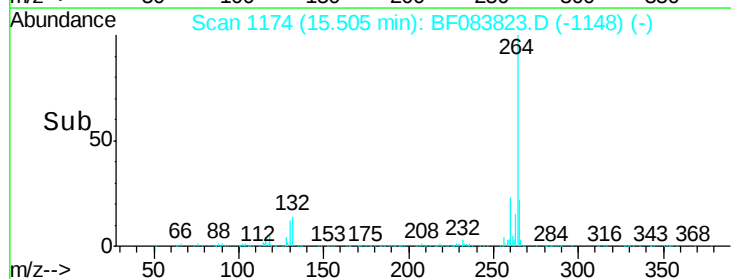
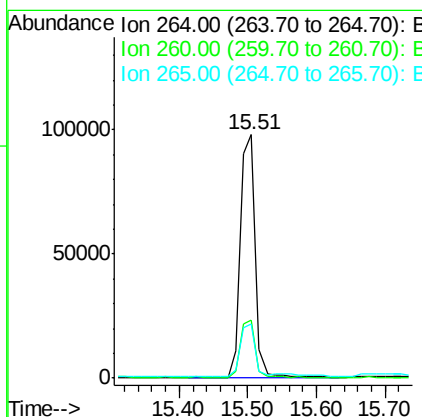
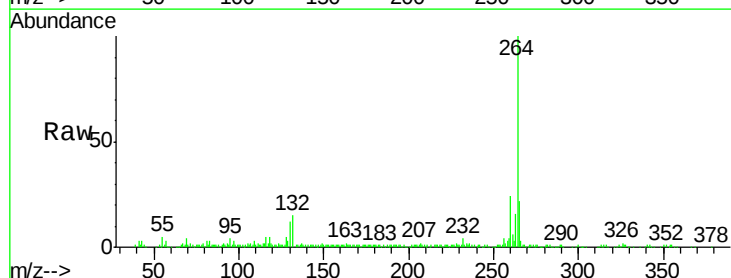
Instrument :
BNA_F
ClientSampleId :
K211-0-2

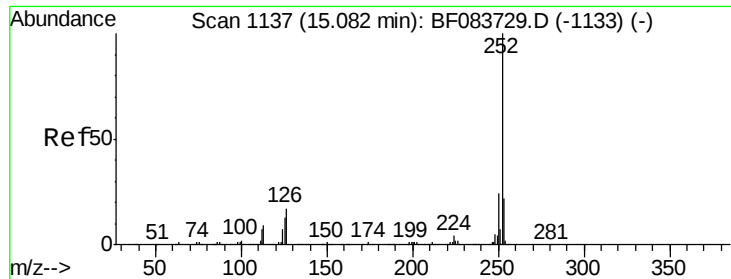
Tot Ion:276 Resp: 24773
Ion Ratio Lower Upper
276 100
138 26.6 0.0 0.0#
277 30.7 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

Tgt Ion:264 Resp: 150863
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 22.2 17.8 26.6

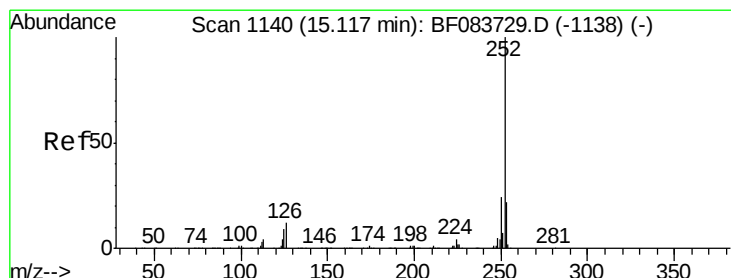
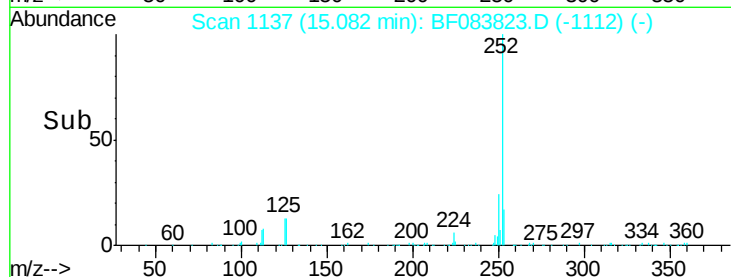
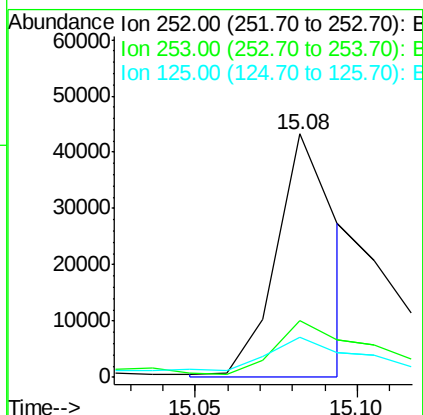
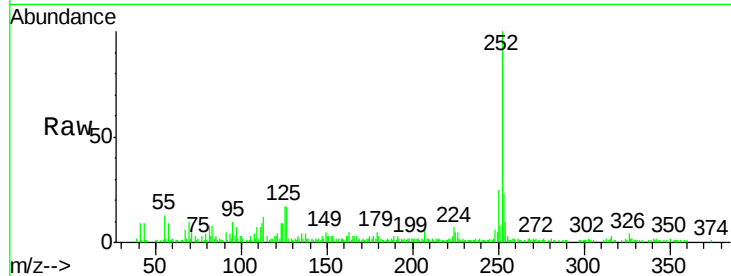




#87
Benzo(b)fluoranthene
Concen: 5.82 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

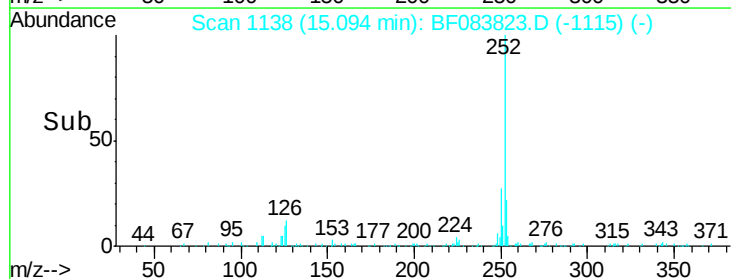
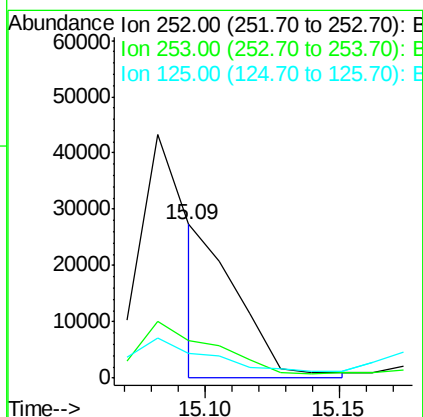
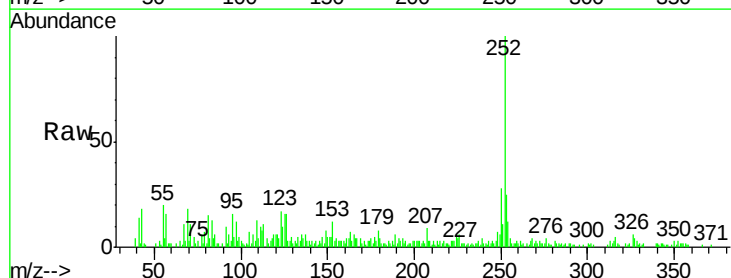
Instrument :
BNA_F
ClientSampleId :
K211-0-2

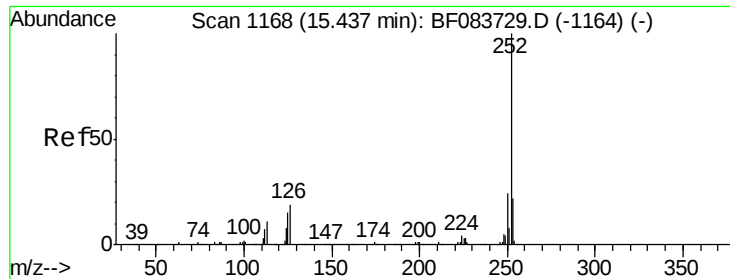
Tot Ion:252 Resp: 56024
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 16.5 8.2 12.4#



#88
Benzo(k)fluoranthene
Concen: 2.81 ng m
RT: 15.09 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF083823.D
Acq: 15 Dec 2015 17:27

Tgt Ion:252 Resp: 24465
Ion Ratio Lower Upper
252 100
253 24.5 18.6 27.8
125 16.0 11.5 17.3





#89

Benzo(a)pyrene

Concen: 4.46 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

Instrument :

BNA_F

ClientSampleId :

K211-0-2

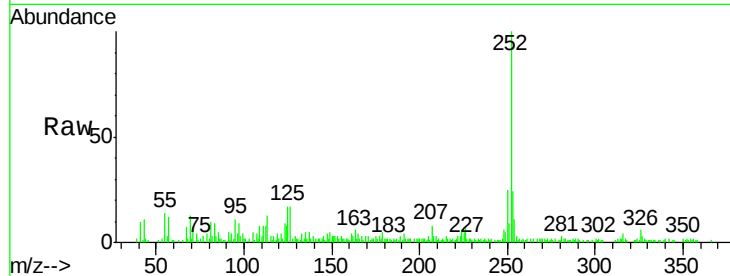
Tot Ion:252 Resp: 38305

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 16.7 11.0 16.6#

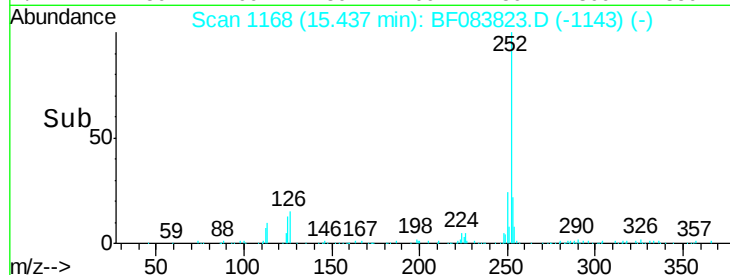


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

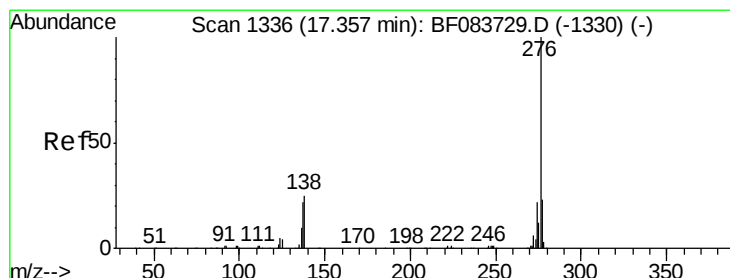
Ion 125.00 (124.70 to 125.70): E

Time-->



15.44

Time-->



#91

Benzo(g,h,i)perylene

Concen: 3.02 ng

RT: 17.36 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF083823.D

Acq: 15 Dec 2015 17:27

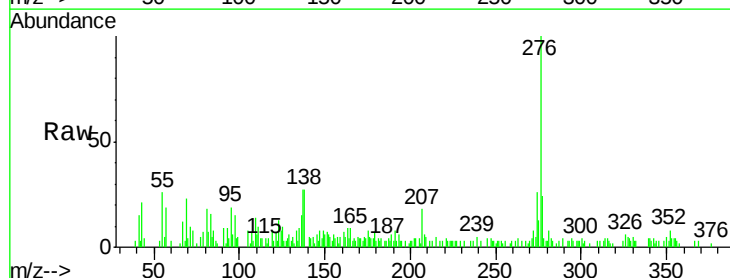
Tgt Ion:276 Resp: 26512

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 27.5 19.5 29.3

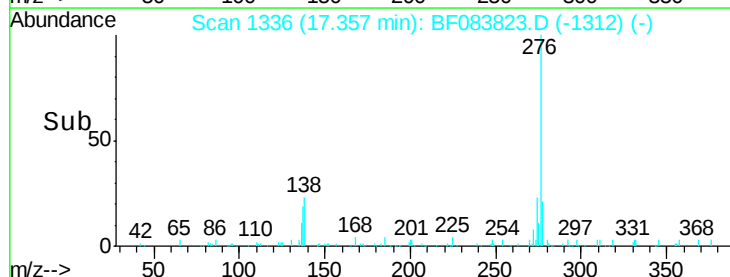


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



17.36

Time-->