

Data Path : V:\HPCHEM1\BNA F\DATA\BF121515\
 Data File : BF083817.D
 Acq On : 15 Dec 2015 14:39
 Operator : UM/IZ
 Sample : G4739-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K205-0-2

Quant Time: Dec 16 01:28:49 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

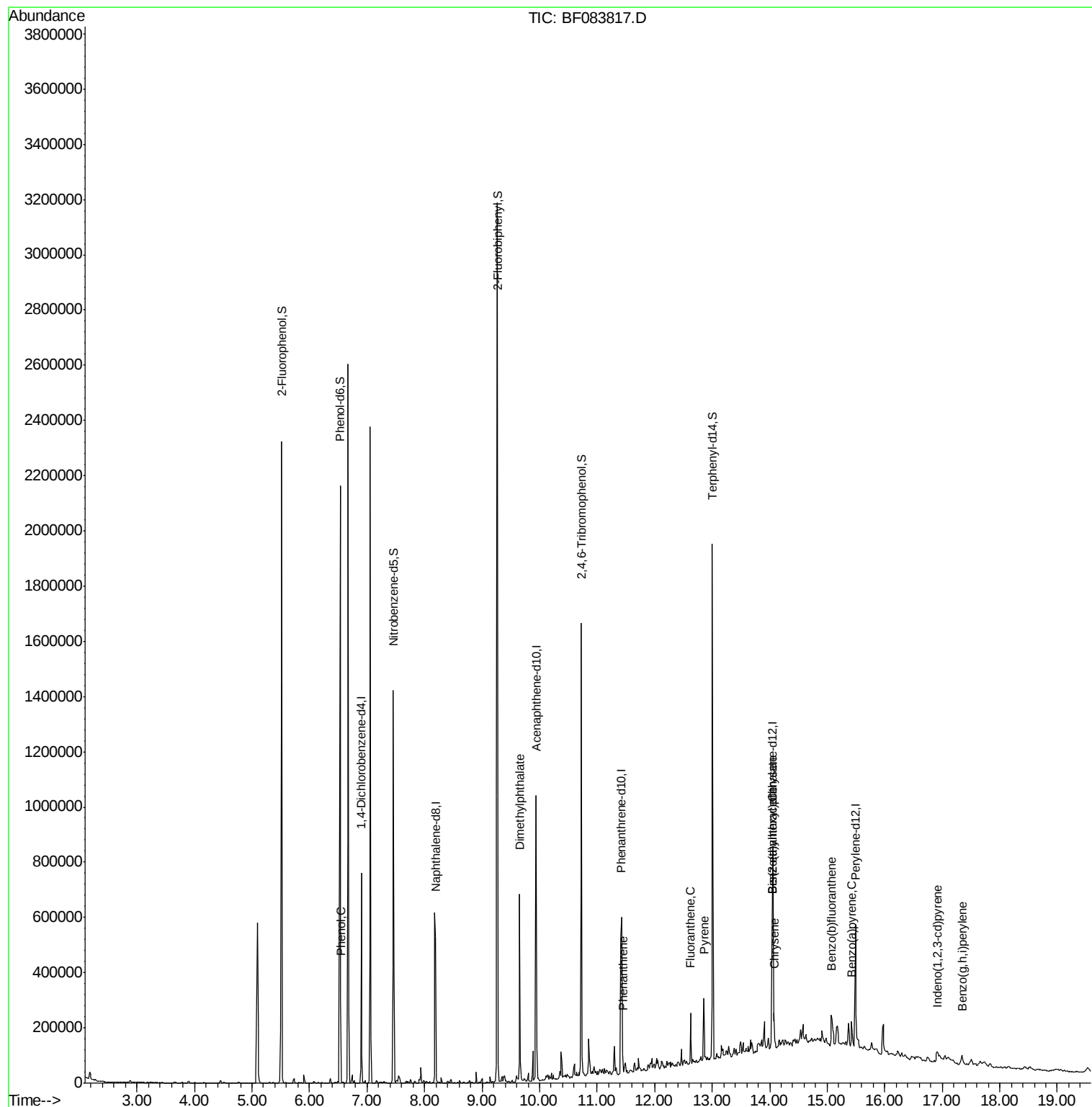
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	106623	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	410885	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	190773	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	297964	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	237791	20.00	ng	-0.02
86) Perylene-d12	15.49	264	200522	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	813758	123.13	ng	-0.01
7) Phenol-d6	6.53	99	865713	103.43	ng	-0.01
23) Nitrobenzene-d5	7.46	82	538850	73.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	218904	112.61	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	995470	73.39	ng	-0.02
78) Terphenyl-d14	13.00	244	614245	55.56	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.54	94	24099	2.50	ng	80
49) Dimethylphthalate	9.65	163	250536	16.84	ng	99
70) Phenanthrene	11.45	178	39316	2.48	ng	97
74) Fluoranthene	12.63	202	76529	4.68	ng	93
77) Pyrene	12.85	202	87763	4.67	ng	99
80) Benzo(a)anthracene	14.04	228	42733m	3.16	ng	
82) Chrysene	14.08	228	48828m	3.70	ng	
83) Bis(2-ethylhexyl)phthalate	14.04	149	19640	2.14	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	29255	2.26	ng	# 100
87) Benzo(b)fluoranthene	15.07	252	67930m	5.31	ng	
89) Benzo(a)pyrene	15.43	252	40140	3.52	ng	# 90
91) Benzo(a,h,i)perylene	17.35	276	29664	2.54	ng	98

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

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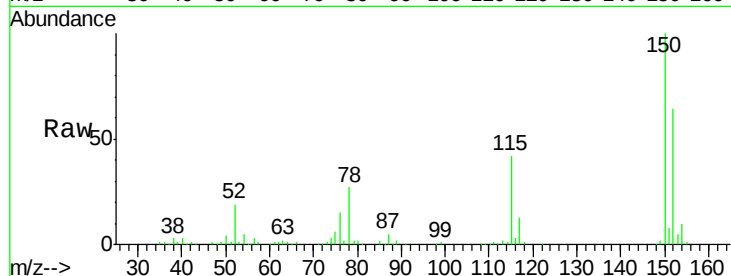


#1

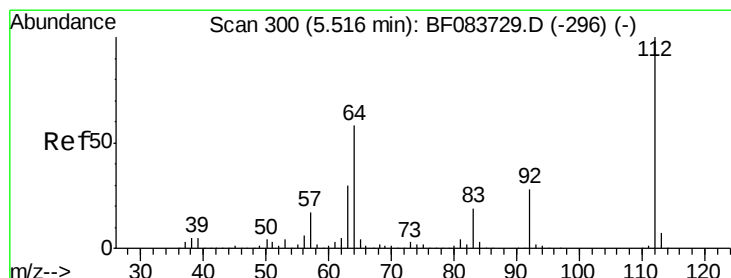
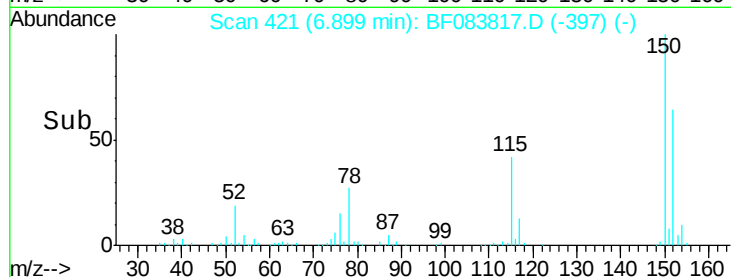
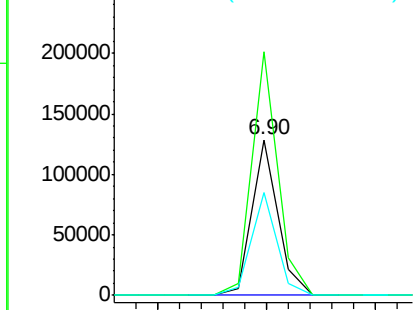
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampled :
K205-0-2

Tot Ion:152 Resp: 106623
Ion Ratio Lower Upper
152 100
150 156.5 126.5 189.7
115 66.3 52.3 78.5



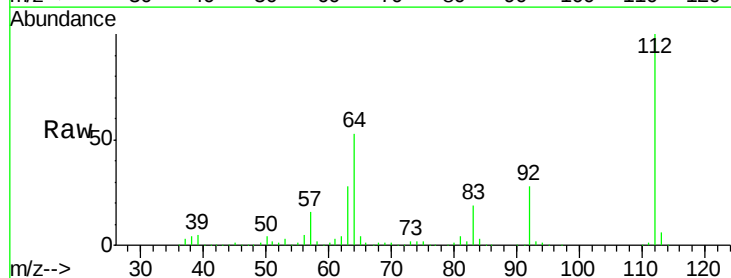
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



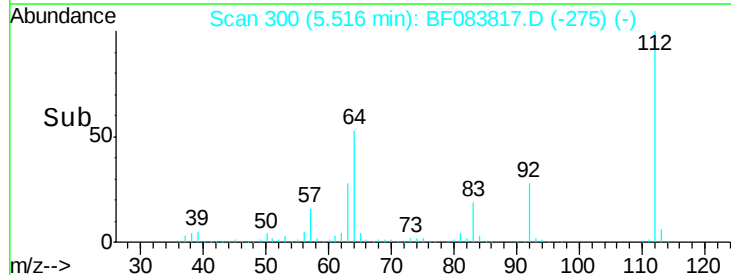
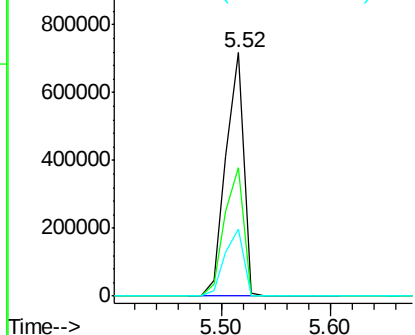
#5

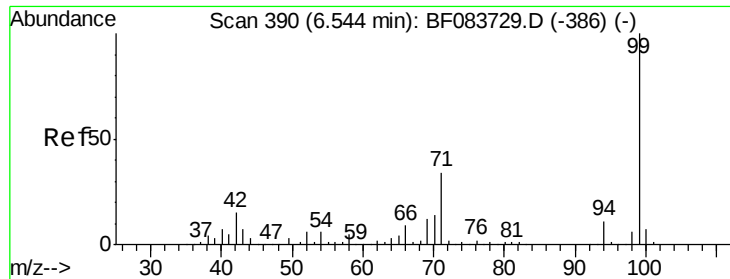
2-Fluorophenol
Concen: 123.13 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:112 Resp: 813758
Ion Ratio Lower Upper
112 100
64 52.6 50.5 75.7
63 27.6 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: 103.43 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

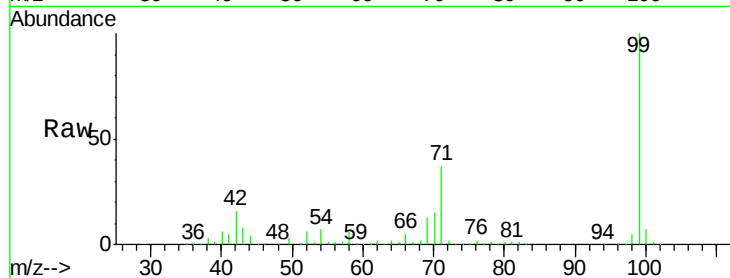
BNA_F

ClientSampleId :

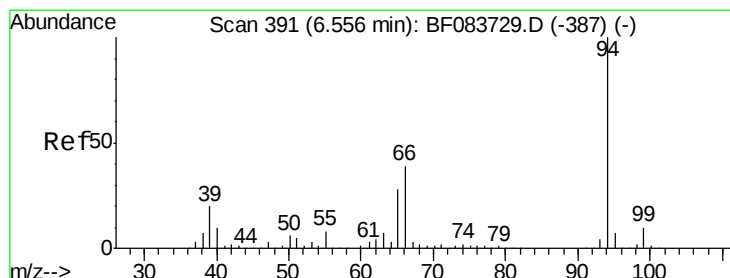
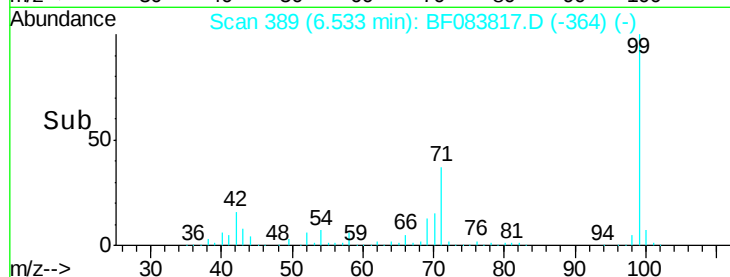
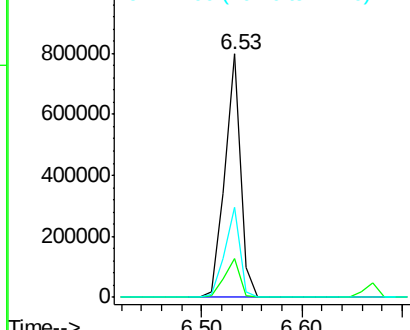
K205-0-2

Tot Ion: 99 Resp: 865713

Ion	Ratio	Lower	Upper
99	100		
42	16.2	17.3	25.9#
71	37.1	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: 2.50 ng

RT: 6.54 min Scan# 390

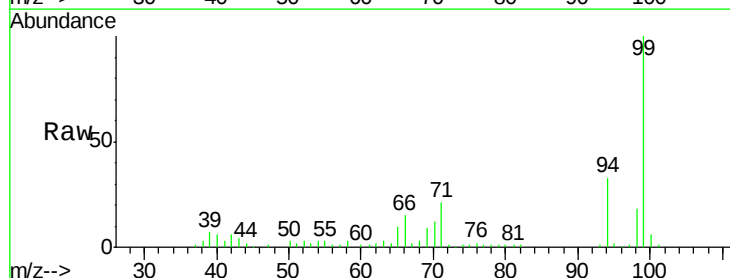
Delta R.T. -0.01 min

Lab File: BF083817.D

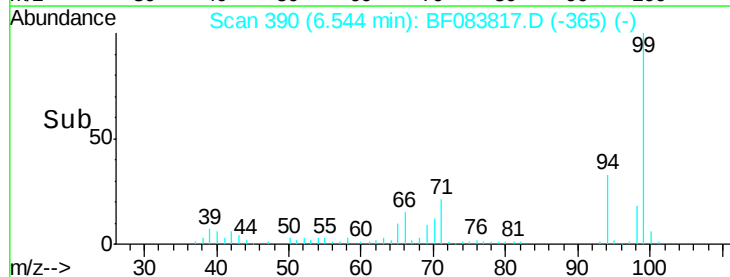
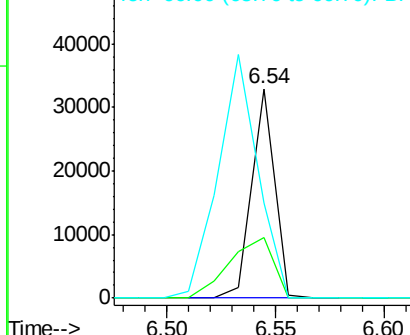
Acq: 15 Dec 2015 14:39

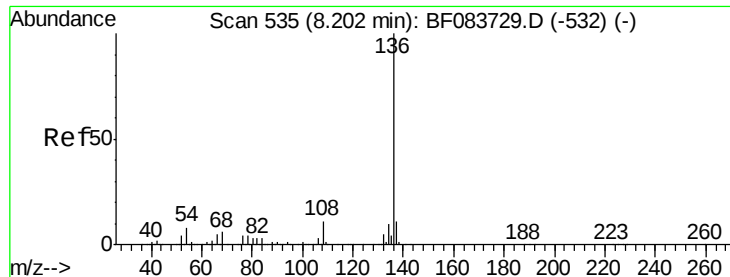
Tgt Ion: 94 Resp: 24099

Ion	Ratio	Lower	Upper
94	100		
65	29.1	20.9	60.9
66	45.3	41.6	81.6



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

BNA_F

ClientSampleId :

K205-0-2

Tot Ion:136 Resp: 410885

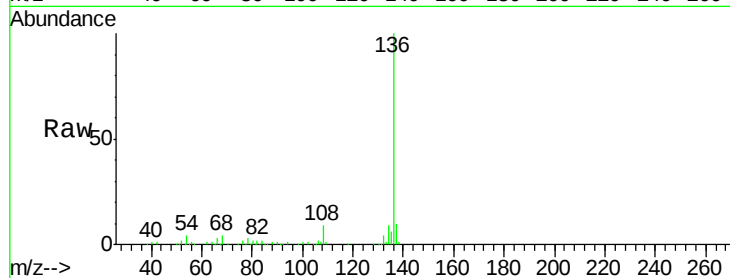
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 4.4 7.8 11.6#

68 3.7 5.7 8.5#

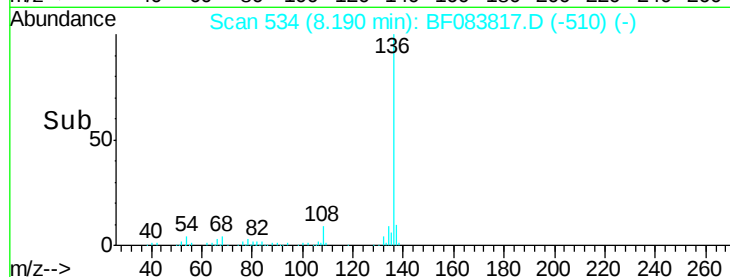


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

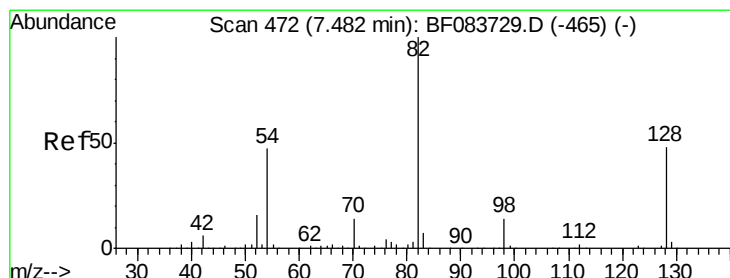
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.19



#23

Nitrobenzene-d5

Concen: 73.37 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

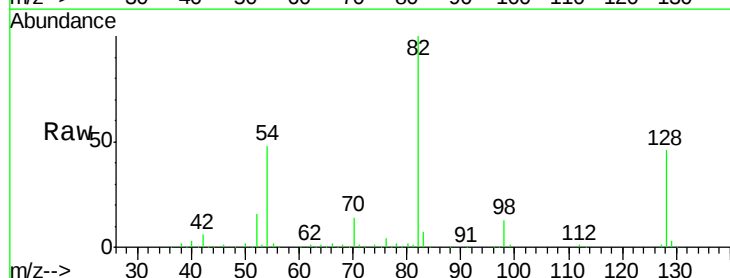
Tgt Ion: 82 Resp: 538850

Ion Ratio Lower Upper

82 100

128 45.9 30.7 46.1

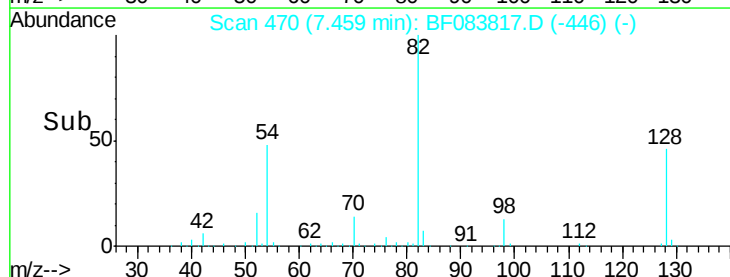
54 47.6 42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

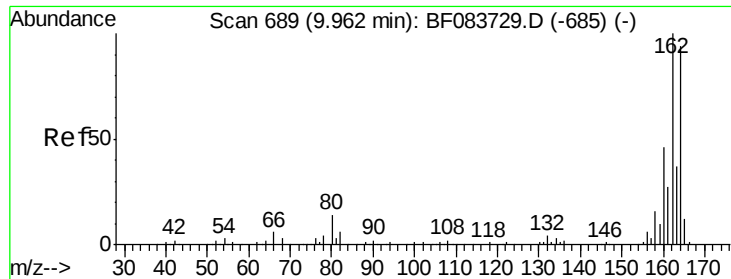
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

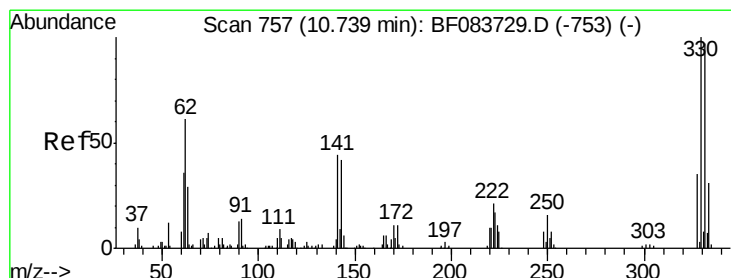
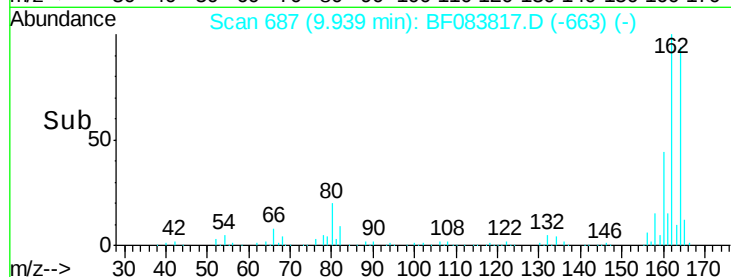
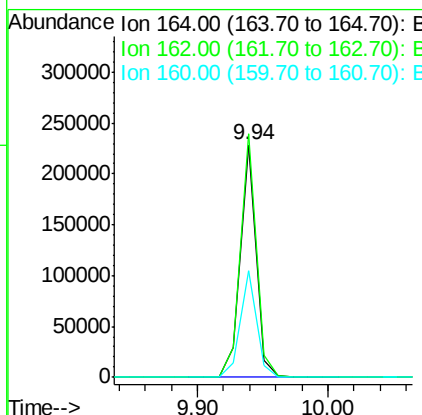
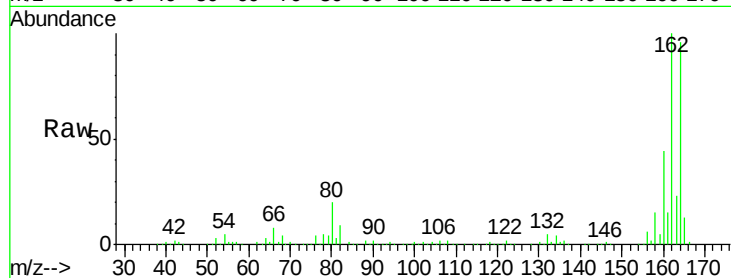
7.46



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

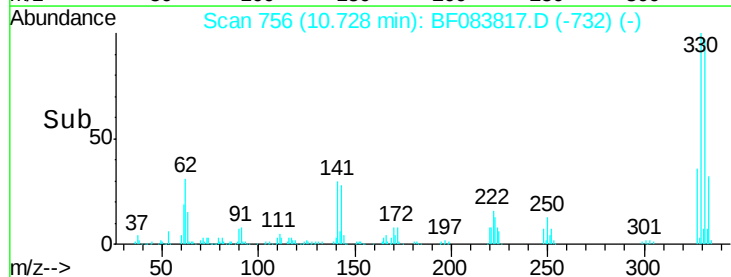
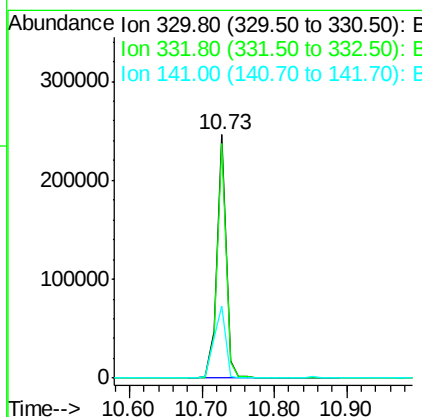
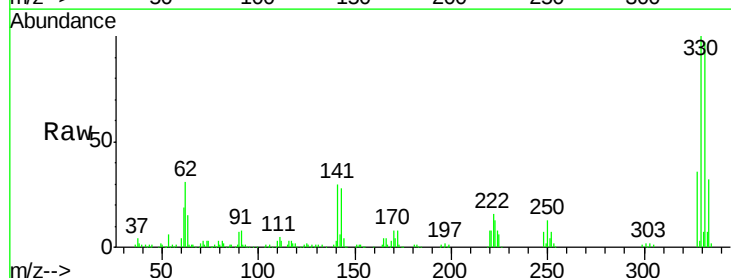
Instrument :
BNA_F
ClientSampleId :
K205-0-2

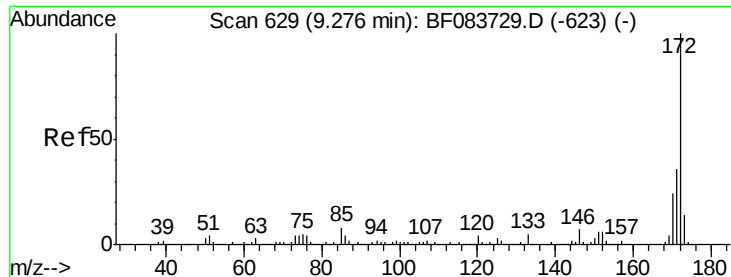
Tot Ion:164 Resp: 190773
Ion Ratio Lower Upper
164 100
162 104.6 78.8 118.2
160 45.9 33.4 50.2



#41
2,4,6-Tribromophenol
Concen: 112.61 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:330 Resp: 218904
Ion Ratio Lower Upper
330 100
332 95.6 0.0 0.0#
141 38.4 0.0 0.0#

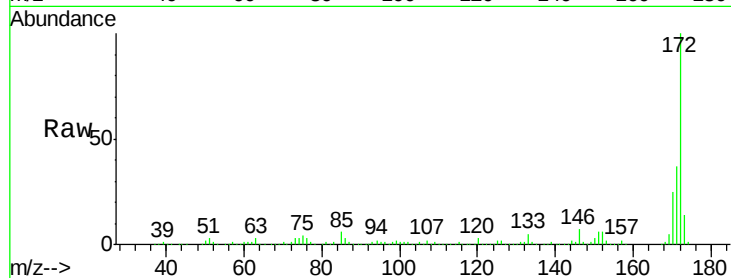




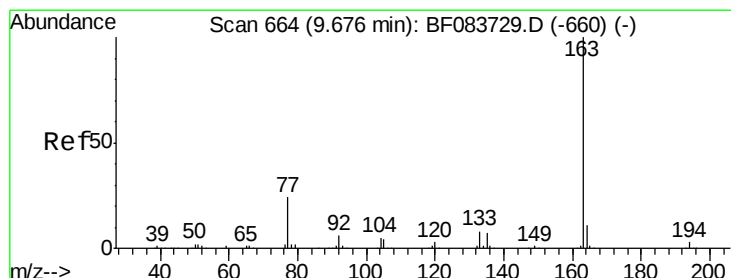
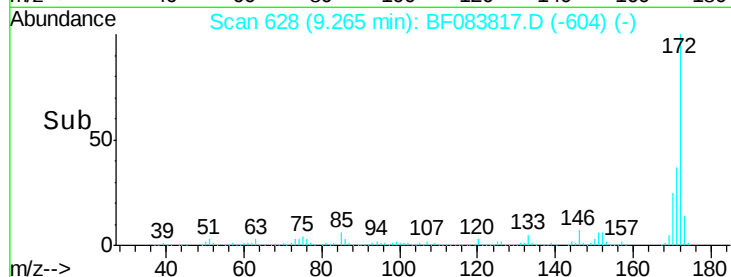
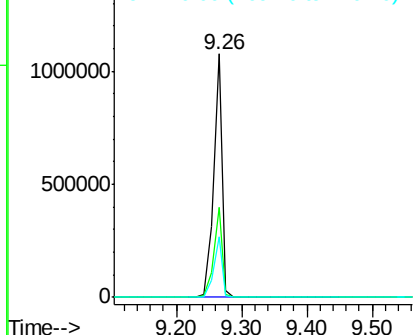
#44
2-Fluorobiphenyl
Concen: 73.39 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampleId :
K205-0-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.6	42.8
170	24.8	19.4	29.0

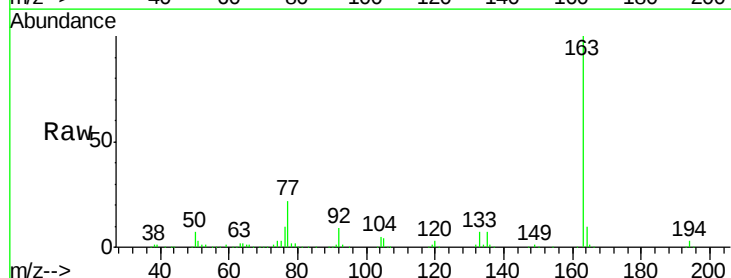


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

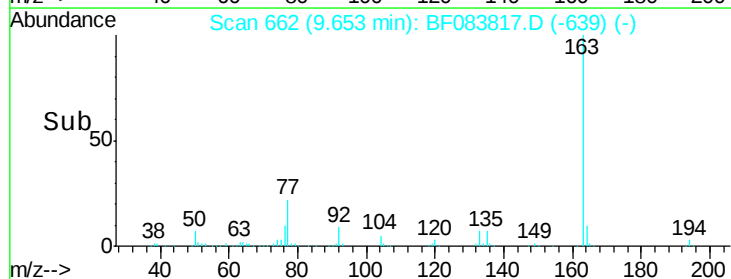
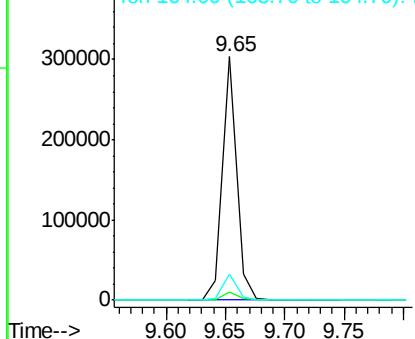


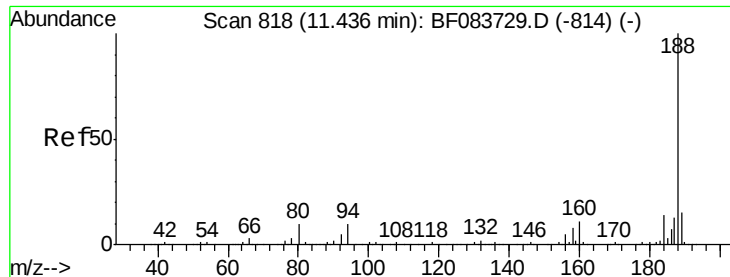
#49
Dimethylphthalate
Concen: 16.84 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.03 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.4	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

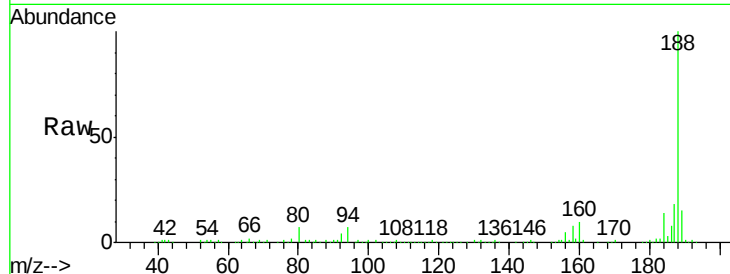




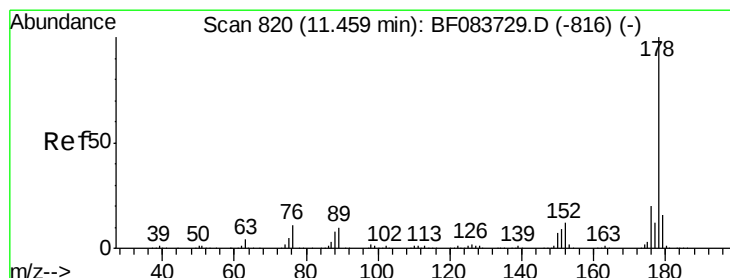
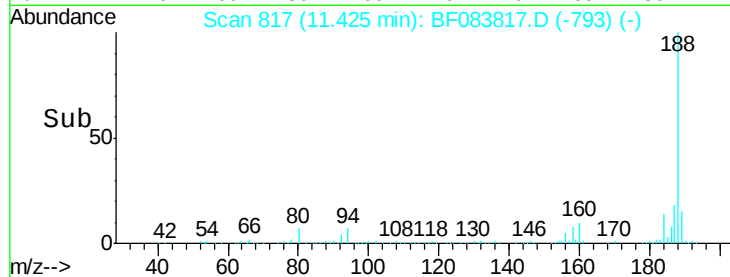
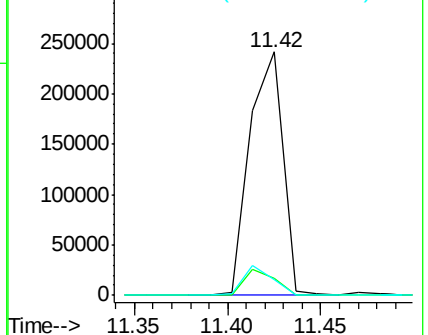
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampleId :
K205-0-2

Tot Ion:188 Resp: 297964
Ion Ratio Lower Upper
188 100
94 6.8 9.4 14.2#
80 6.7 10.6 16.0#

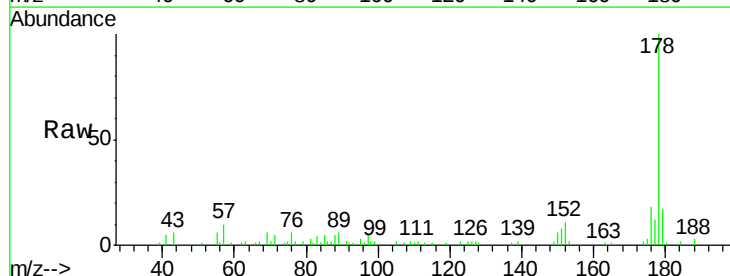


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

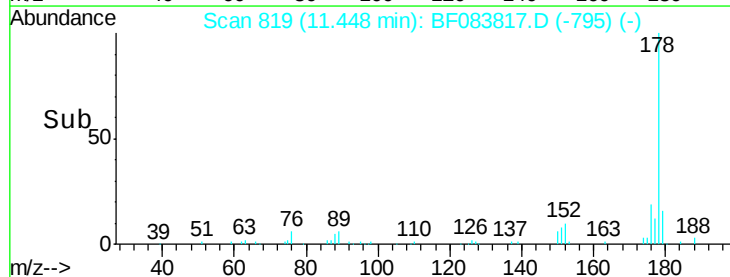
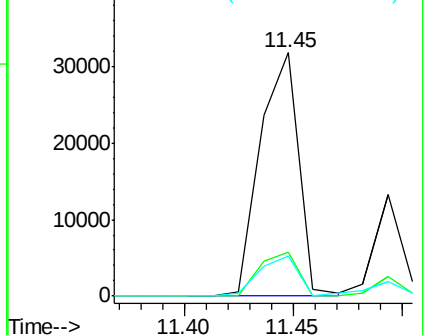


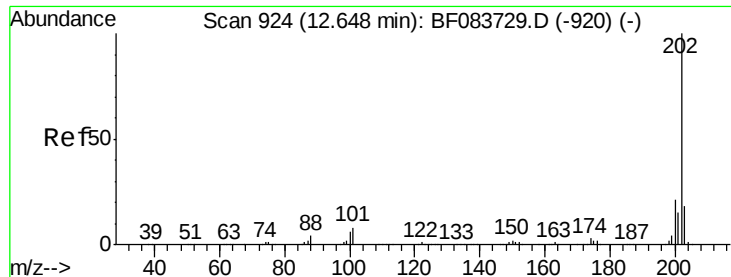
#70
Phenanthrene
Concen: 2.48 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:178 Resp: 39316
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 16.5 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

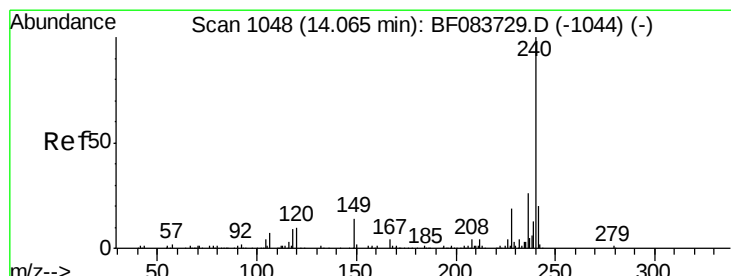
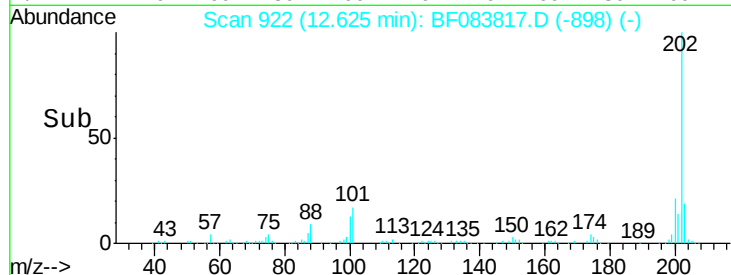
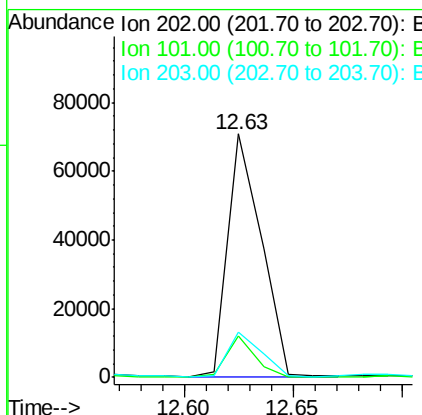
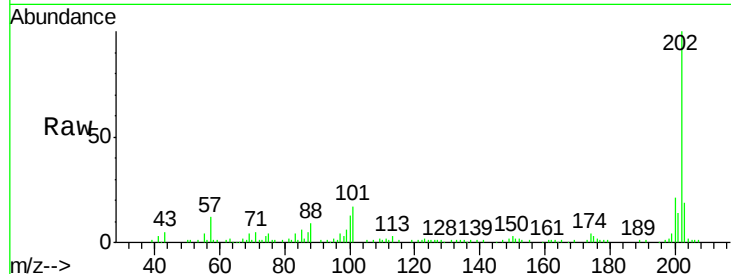




#74
 Fluoranthene
 Concen: 4.68 ng
 RT: 12.63 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

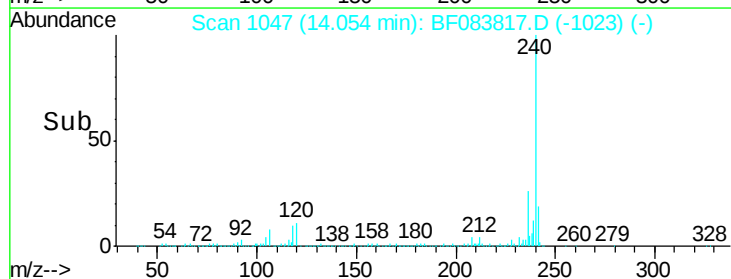
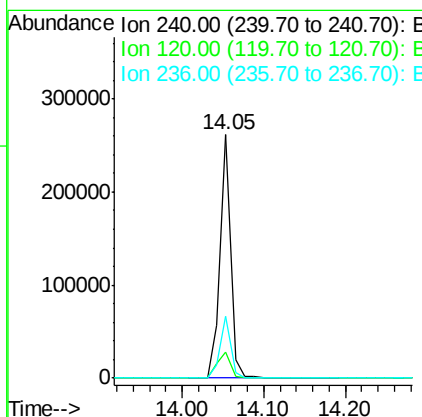
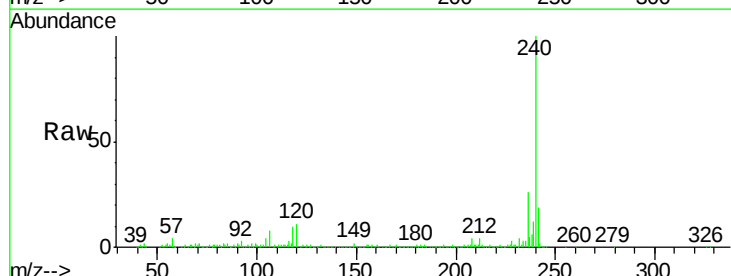
Instrument :
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 K205-0-2

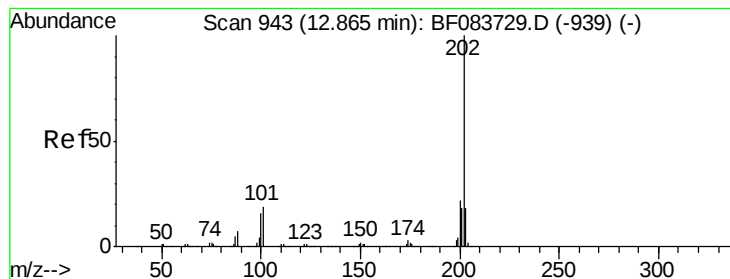
Tot Ion	Ratio	Lower	Upper
202	100		
101	17.0	0.0	31.5
203	18.6	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.1	12.1
236	25.5	20.8	31.2





#77

Pvrene

Concen: 4.67 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

BNA_F

ClientSampleId :

K205-0-2

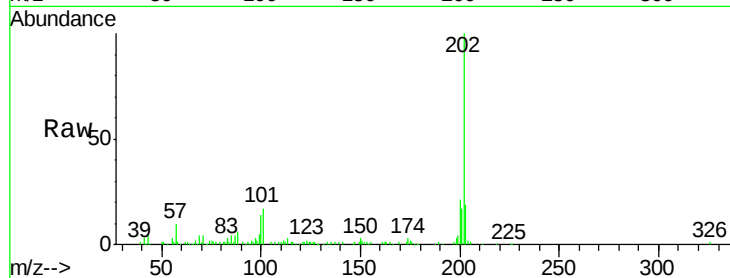
Tot Ion:202 Resp: 87763

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

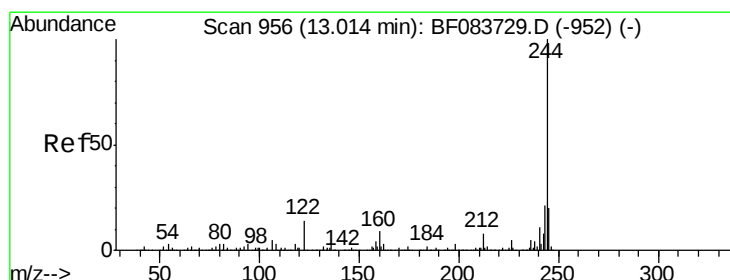
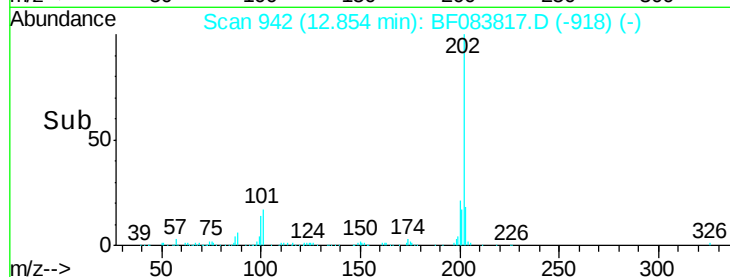
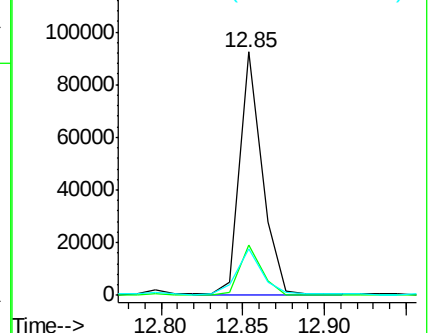
203 18.9 14.3 21.5



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: 55.56 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

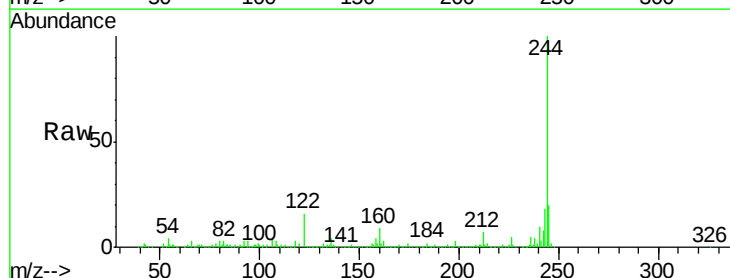
Tgt Ion:244 Resp: 614245

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

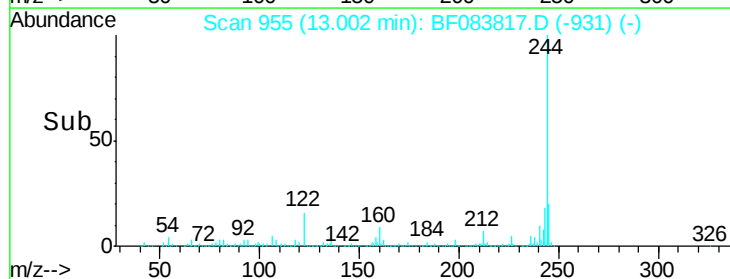
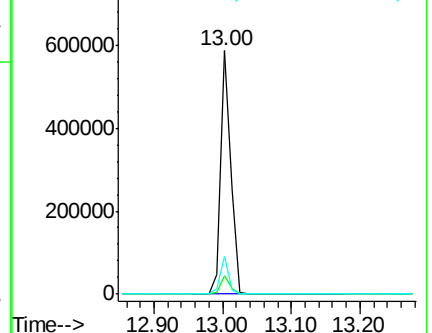
122 15.5 11.0 16.6

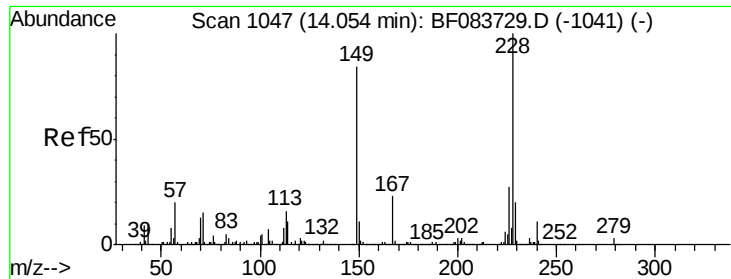


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

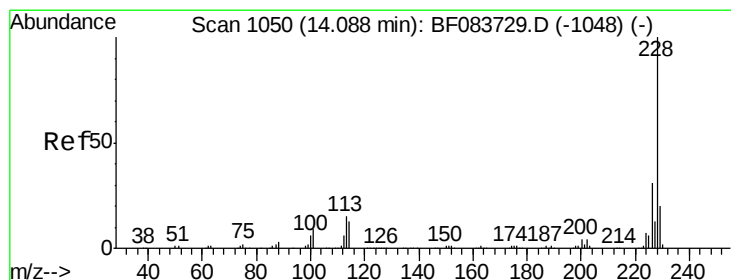
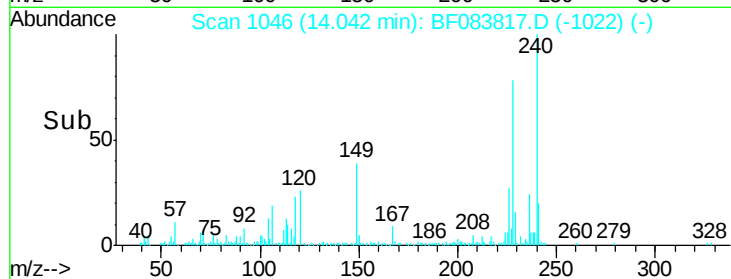
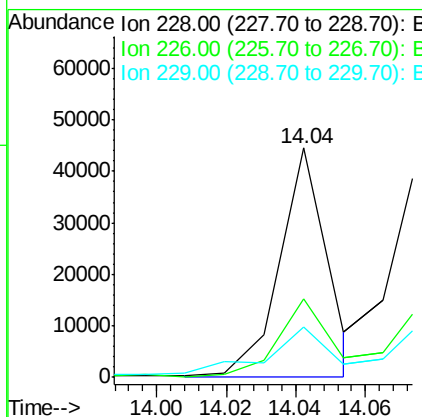
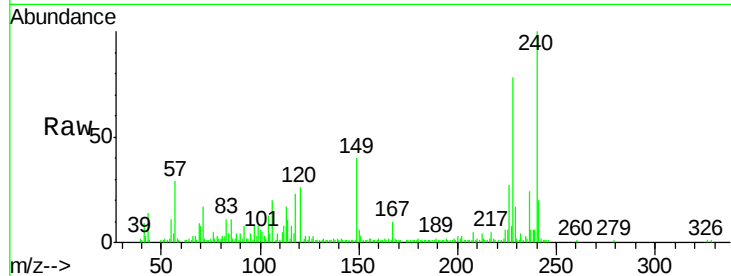




#80
Benzo(a)anthracene
Concen: 3.16 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

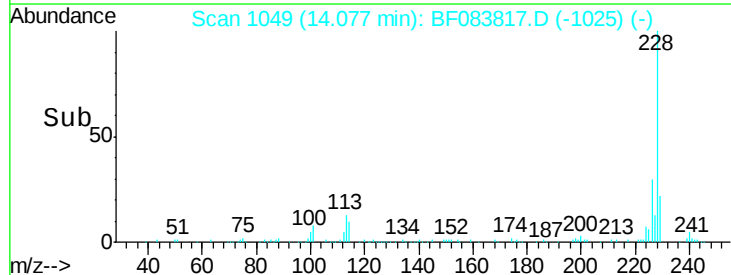
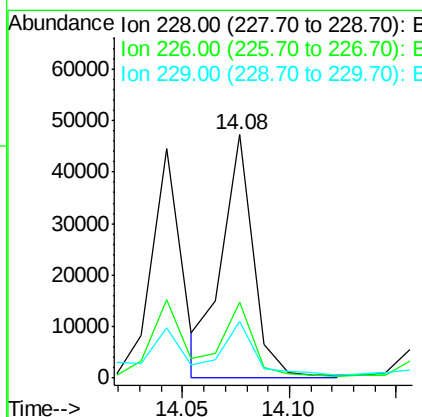
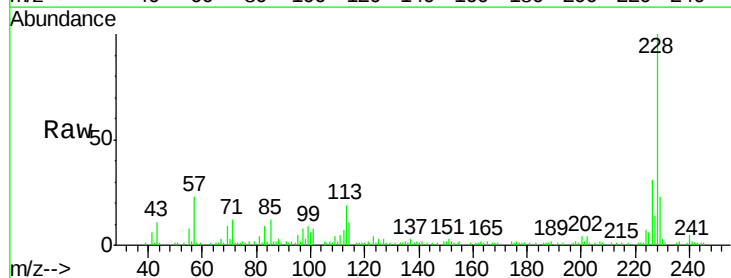
Instrument :
BNA_F
ClientSampleId :
K205-0-2

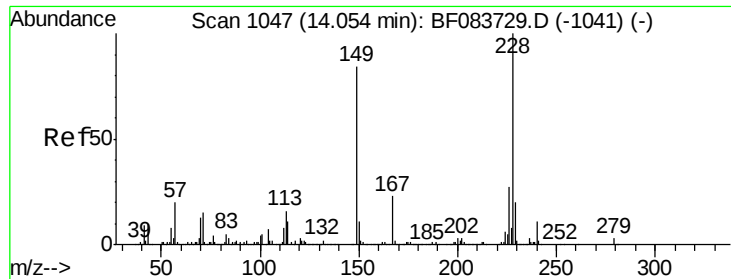
Tot Ion:228 Resp: 42733
Ion Ratio Lower Upper
228 100
226 34.5 22.3 33.5#
229 22.0 15.7 23.5



#82
Chrysene
Concen: 3.70 ng m
RT: 14.08 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:228 Resp: 48828
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 23.5 16.3 24.5

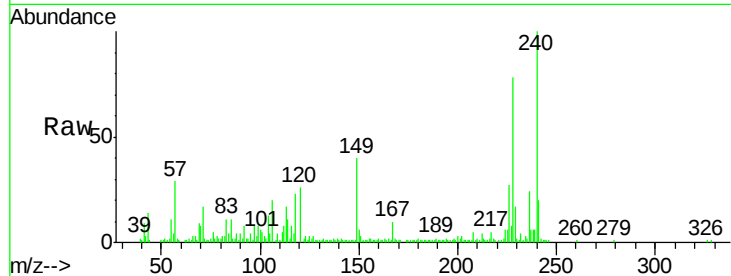




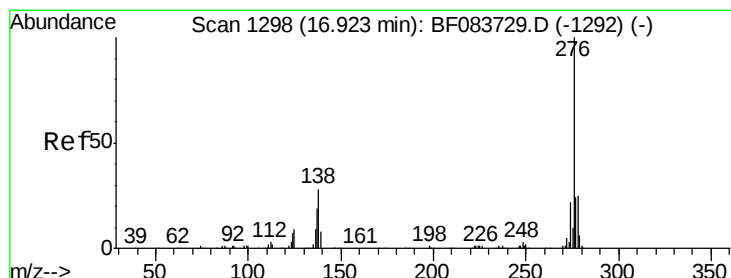
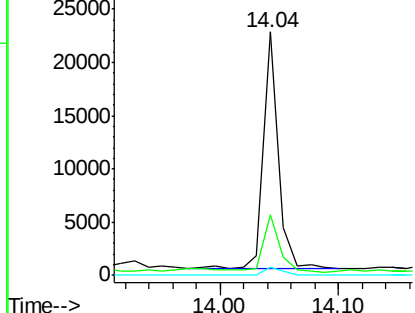
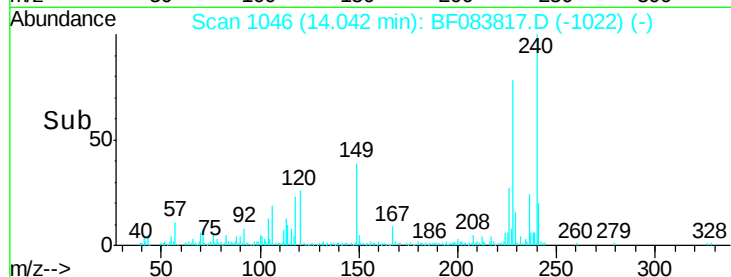
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.14 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Instrument :
 BNA_F
 ClientSampleId :
 K205-0-2

Tot Ion:149 Resp: 19640
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.8 32.8
 279 3.2 3.0 4.4

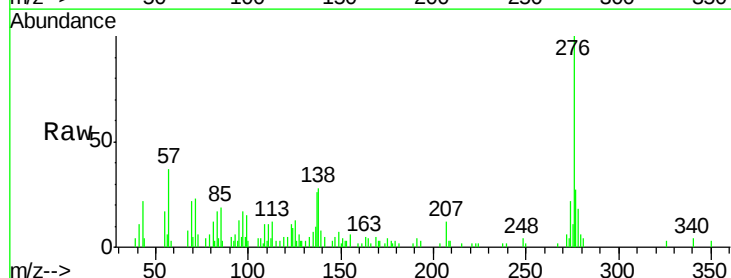


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

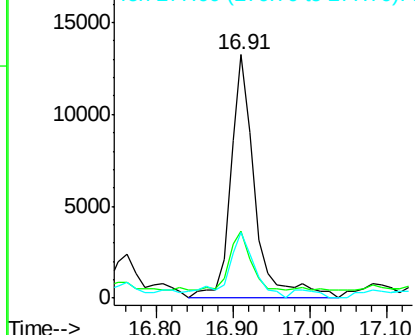
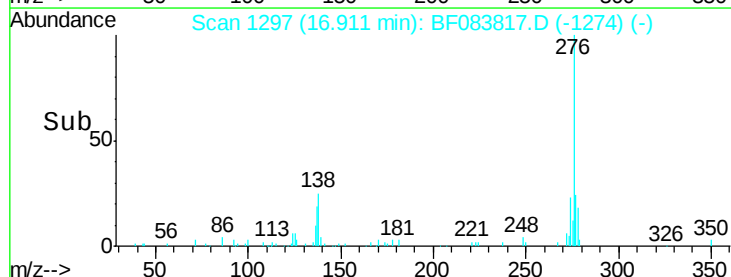


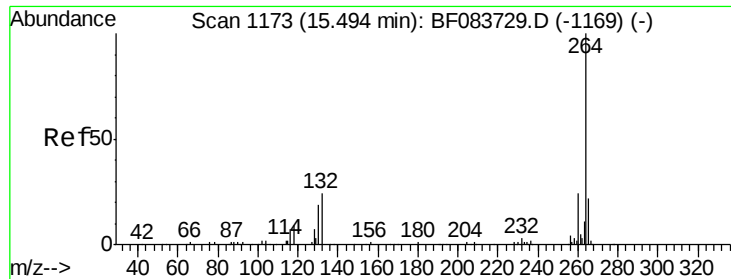
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.26 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.03 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Tgt Ion:276 Resp: 29255
 Ion Ratio Lower Upper
 276 100
 138 21.6 0.0 0.0#
 277 30.4 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

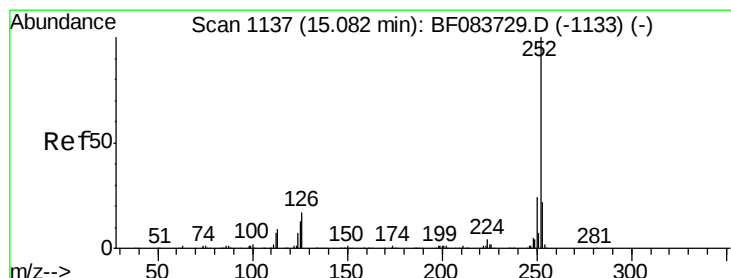
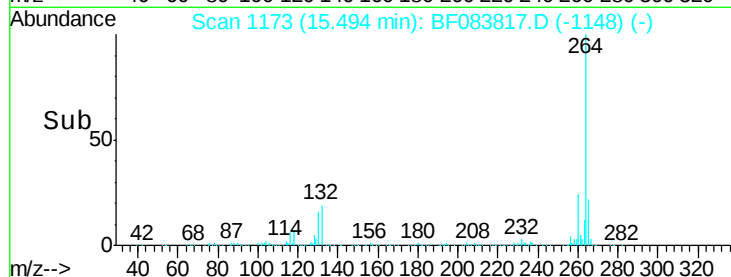
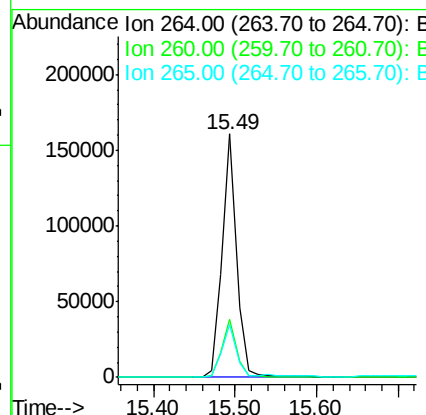
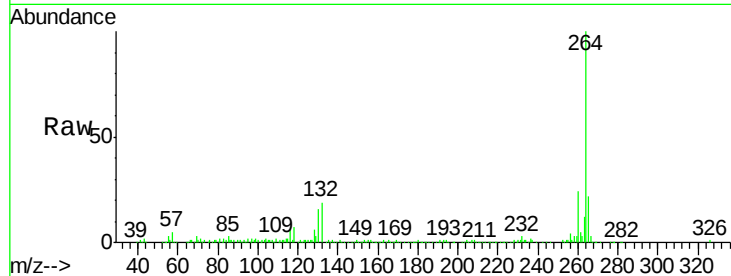




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

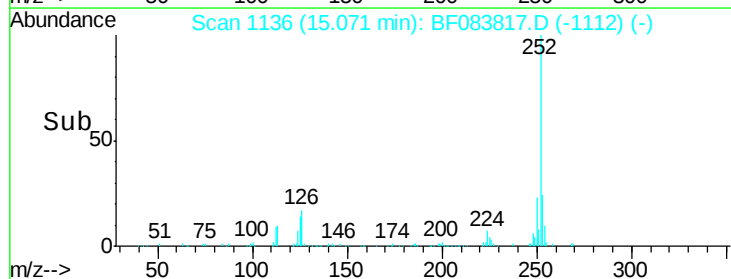
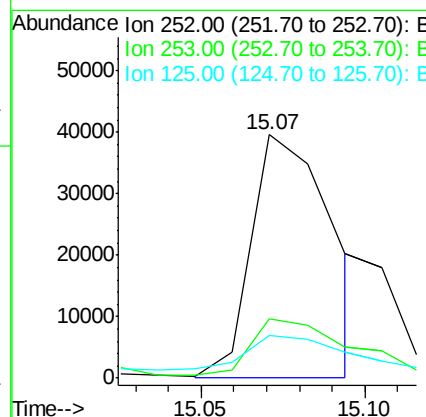
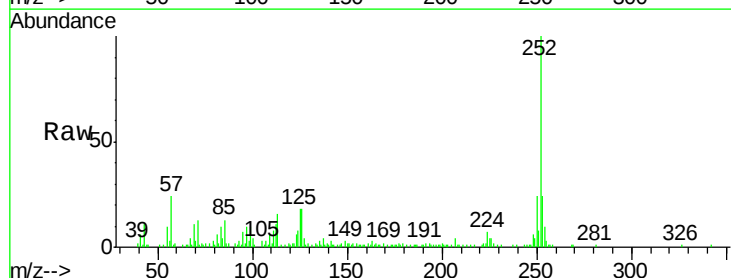
Instrument :
BNA_F
ClientSampleId :
K205-0-2

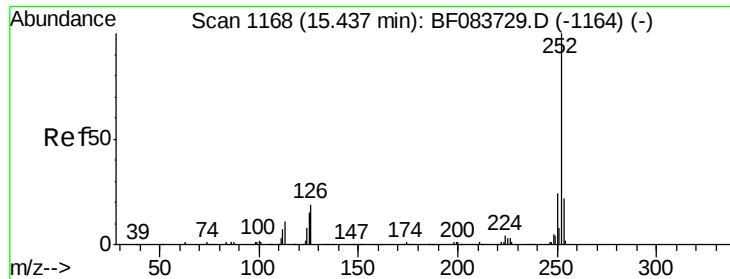
Tot Ion:264 Resp: 200522
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.9 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.31 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:252 Resp: 67930
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.4
125 17.6 8.2 12.4#

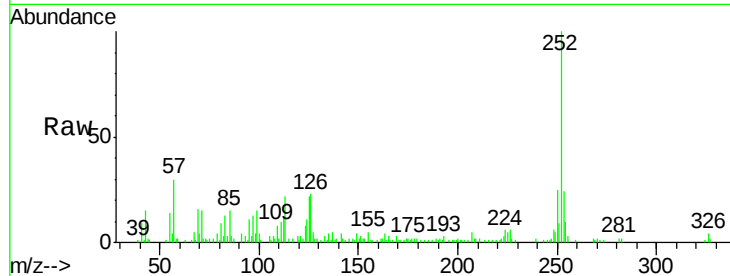




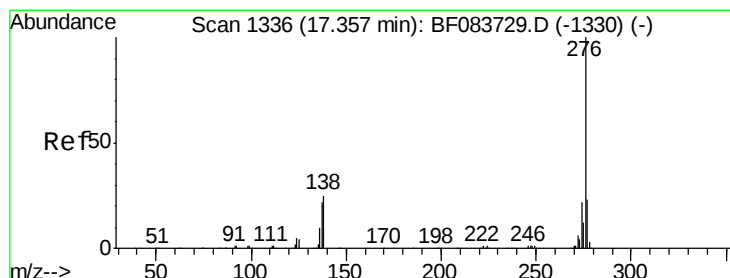
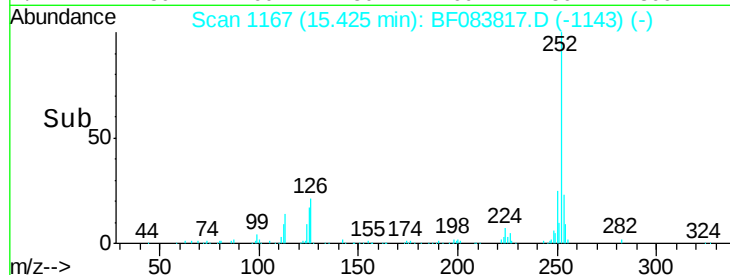
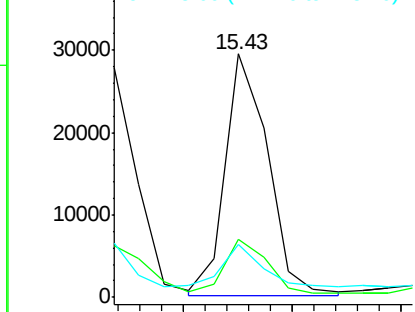
#89
Benzo(a)pyrene
Concen: 3.52 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampleId :
K205-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	21.8	11.0	16.6

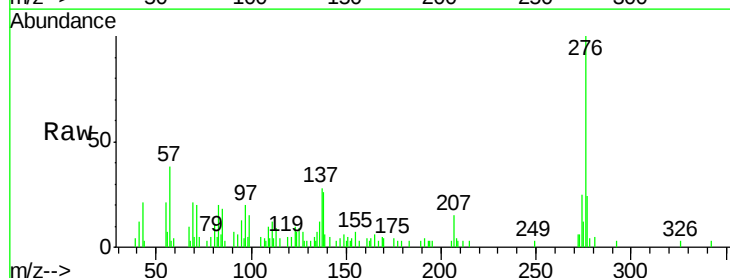


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.54 ng
RT: 17.35 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	25.9	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

