

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121515\
 Data File : BF083822.D
 Acq On : 15 Dec 2015 16:59
 Operator : UM/IZ
 Sample : G4739-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K206-18-19

Quant Time: Dec 16 00:51:22 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	94618	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	384226	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	167210	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	270829	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	211967	20.00	ng	-0.01
86) Perylene-d12	15.51	264	167448	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	684390	116.69	ng	-0.01
7) Phenol-d6	6.54	99	972436	130.93	ng	0.00
23) Nitrobenzene-d5	7.46	82	560346	81.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	201929	118.51	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	903816	76.96	ng	-0.02
78) Terphenyl-d14	13.01	244	748008	75.91	ng	-0.01

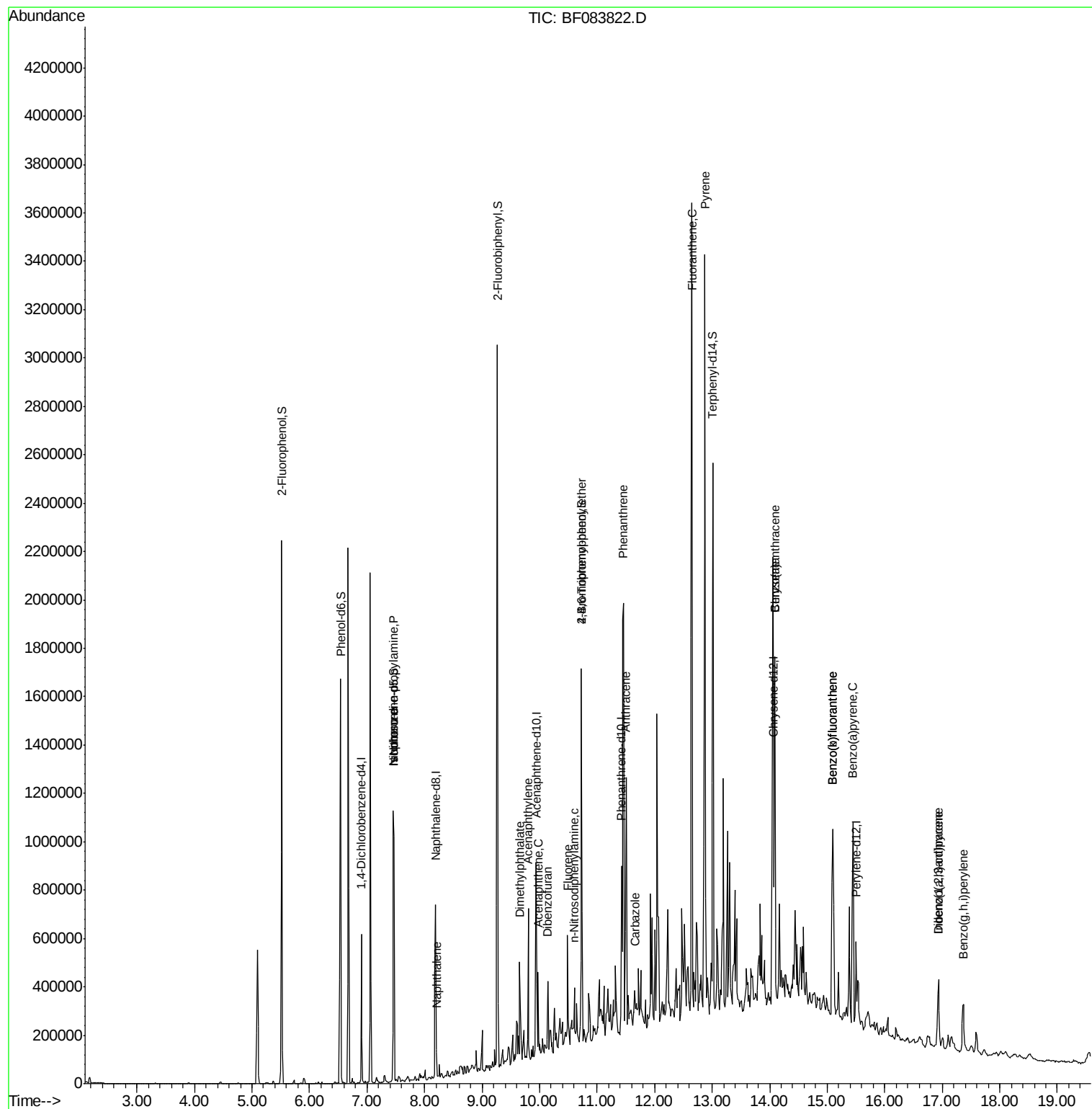
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	77539	17.05	ng	# 72
25) Isophorone	7.46	82	512869	38.06	ng	# 69
31) Naphthalene	8.21	128	70267	3.51	ng	98
48) Acenaphthylene	9.80	152	218896	11.89	ng	99
49) Dimethylphthalate	9.65	163	156130	11.98	ng	99
51) Acenaphthene	9.97	154	73081	6.57	ng	98
54) Dibenzofuran	10.14	168	59371	4.03	ng	# 87
57) Fluorene	10.49	166	140721	12.12	ng	99
65) n-Nitrosodiphenylamine	10.60	169	19426	2.10	ng	# 39
66) 4-Bromophenyl-phenylether	10.73	248	13036	4.30	ng	# 1
70) Phenanthrene	11.46	178	1041330	72.38	ng	99
71) Anthracene	11.51	178	481308	32.21	ng	100
72) Carbazole	11.65	167	56332	4.05	ng	# 92
74) Fluoranthene	12.65	202	1459981	98.21	ng	98
77) Pyrene	12.88	202	1532409	91.47	ng	97
80) Benzo(a)anthracene	14.09	228	436154	36.19	ng	94
82) Chrysene	14.09	228	436594	37.14	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	178657	15.47	ng	# 100
87) Benzo(b)fluoranthene	15.09	252	634257	59.37	ng	# 98
88) Benzo(k)fluoranthene	15.09	252	634257	65.52	ng	98
89) Benzo(a)pyrene	15.45	252	410847	43.10	ng	98
90) Dibenz(a,h)anthracene	16.93	278	41449	4.37	ng	# 79
91) Benzo(g,h,i)perylene	17.37	276	179792	18.45	ng	99

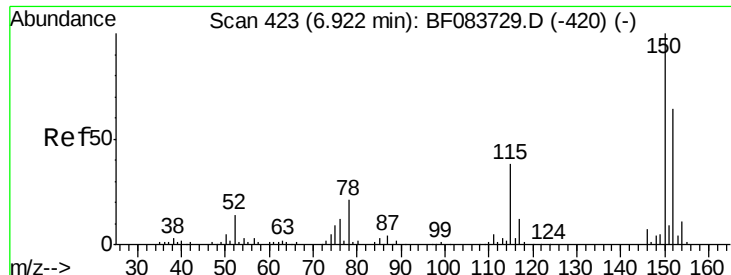
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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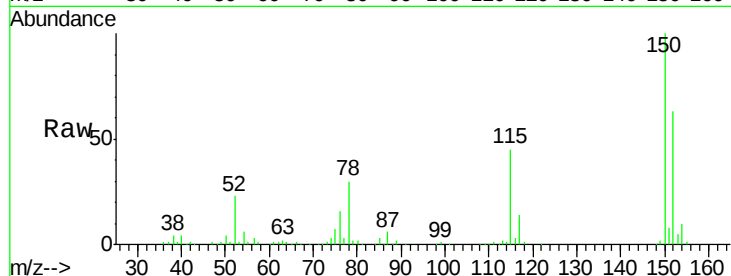




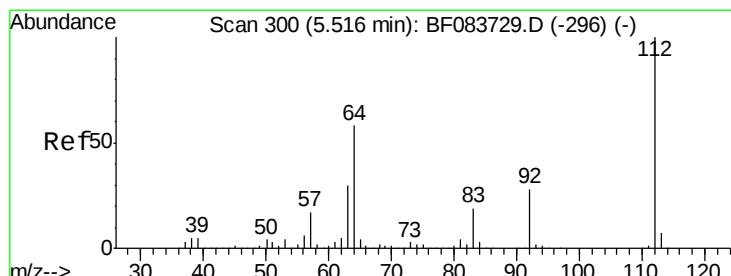
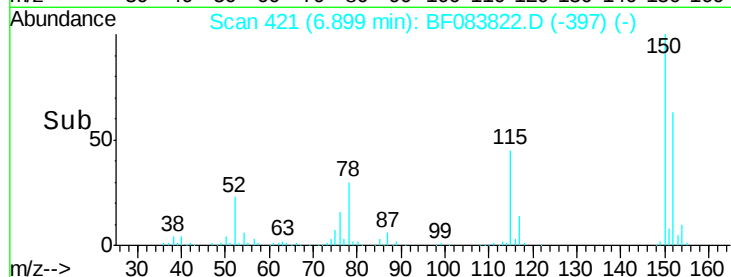
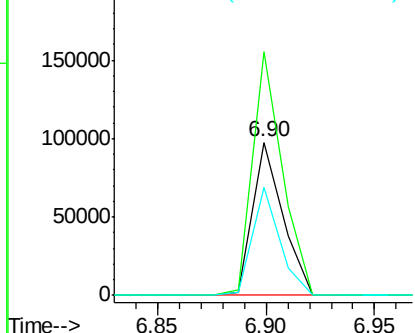
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Instrument :
 BNA_F
 ClientSampleId :
 K206-18-19

Tgt Ion:152 Resp: 94618
 Ion Ratio Lower Upper
 152 100
 150 159.3 126.5 189.7
 115 70.9 52.3 78.5

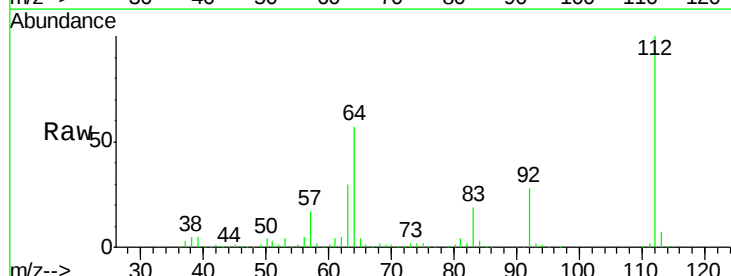


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

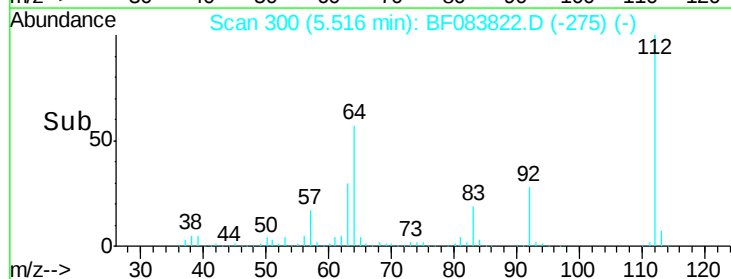
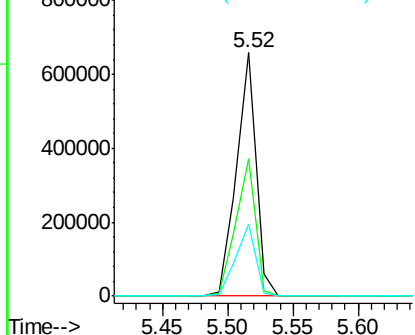


#5
 2-Fluorophenol
 Concen: 116.69 ng
 RT: 5.52 min Scan# 300
 Delta R.T. -0.01 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Tgt Ion:112 Resp: 684390
 Ion Ratio Lower Upper
 112 100
 64 56.6 50.5 75.7
 63 29.8 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: 130.93 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

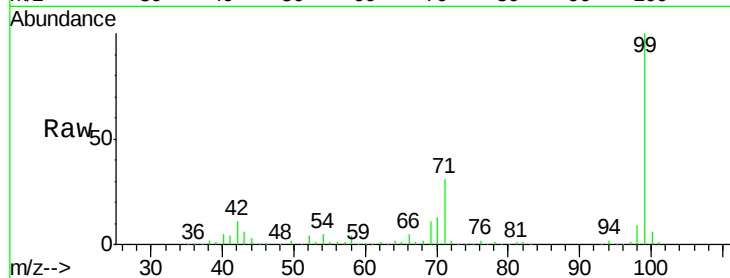
Tgt Ion: 99 Resp: 972436

Ion Ratio Lower Upper

99 100

42 11.2 17.3 25.9#

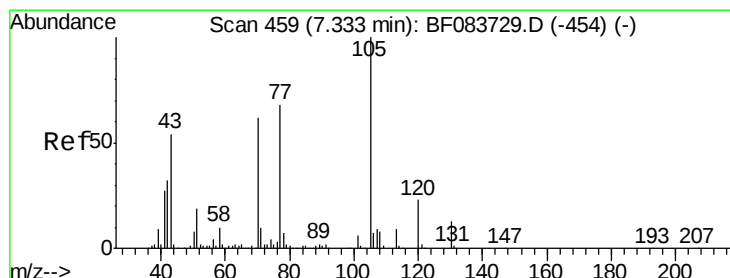
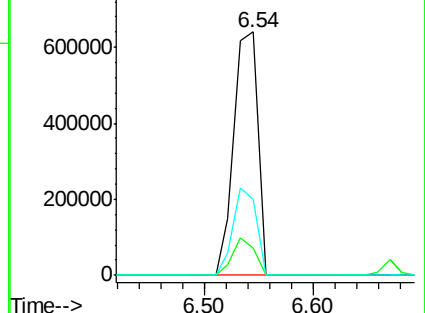
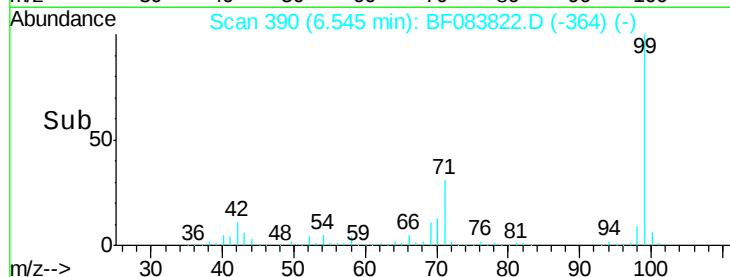
71 31.1 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.05 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Tgt Ion: 70 Resp: 77539

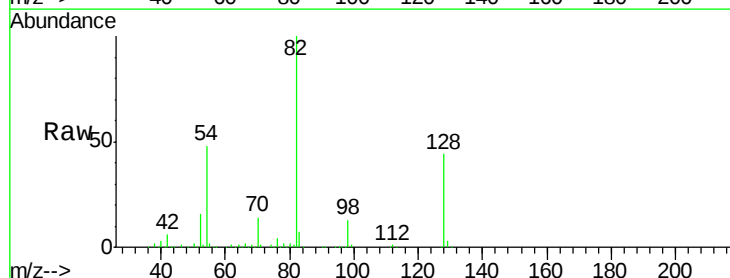
Ion Ratio Lower Upper

70 100

42 42.3 49.2 73.8#

101 0.0 7.1 10.7#

130 2.4 15.4 23.0#

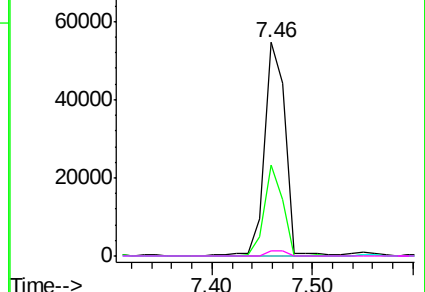
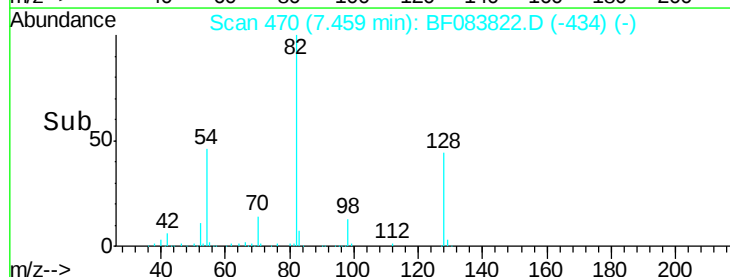


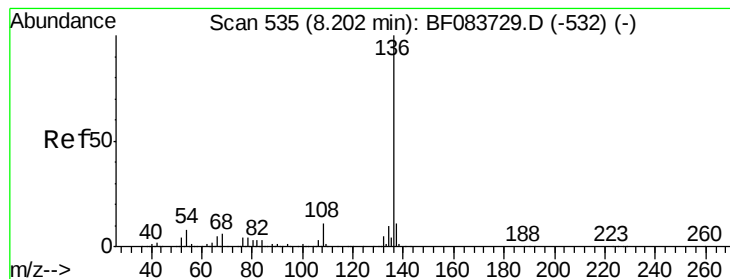
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

Tgt Ion: 136 Resp: 384226

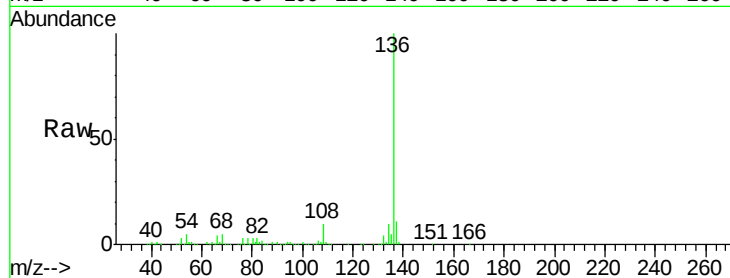
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 5.4 7.8 11.6#

68 4.6 5.7 8.5#

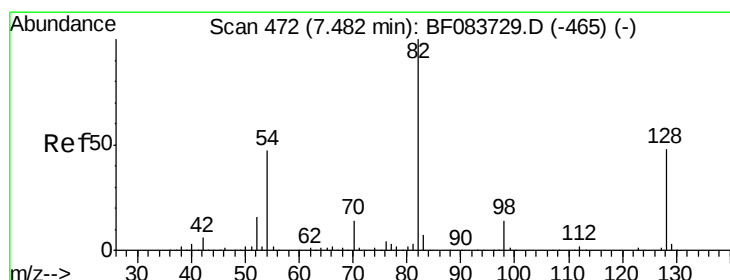
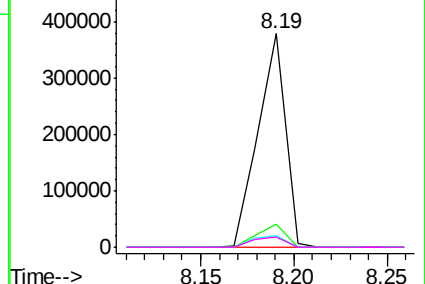
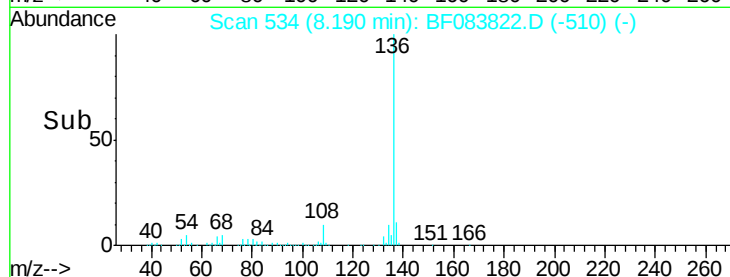


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 81.59 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

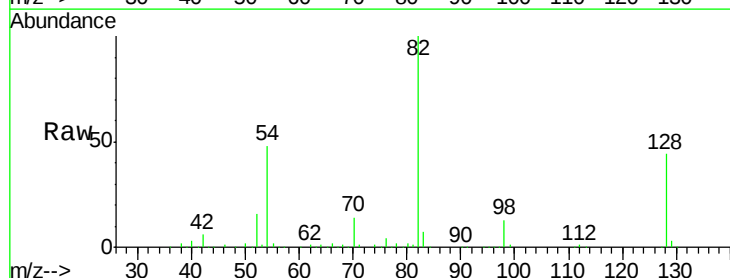
Tgt Ion: 82 Resp: 560346

Ion Ratio Lower Upper

82 100

128 43.9 30.7 46.1

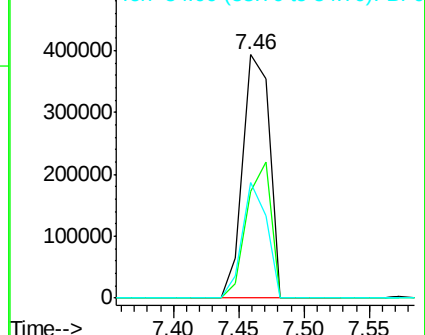
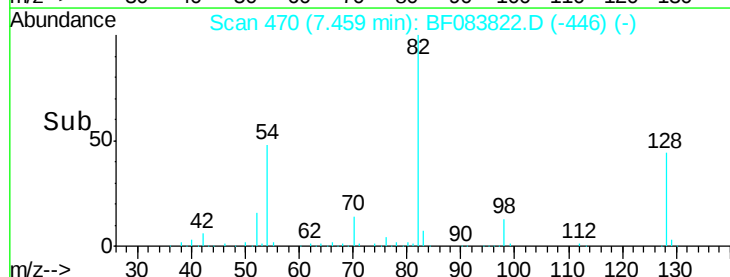
54 47.5 42.5 63.7

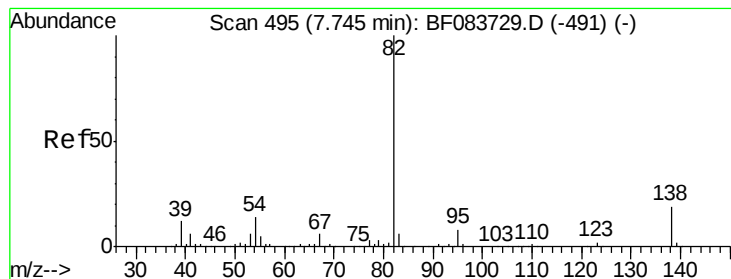


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.06 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

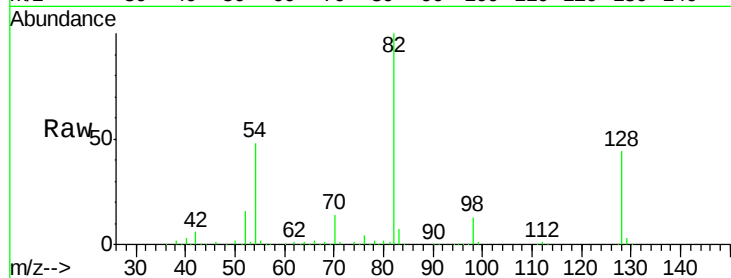
Tgt Ion: 82 Resp: 512869

Ion Ratio Lower Upper

82 100

95 0.2 5.0 7.4#

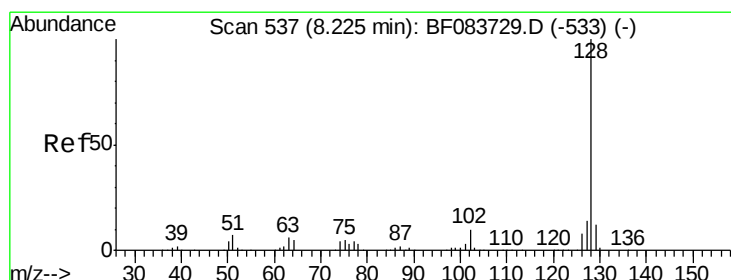
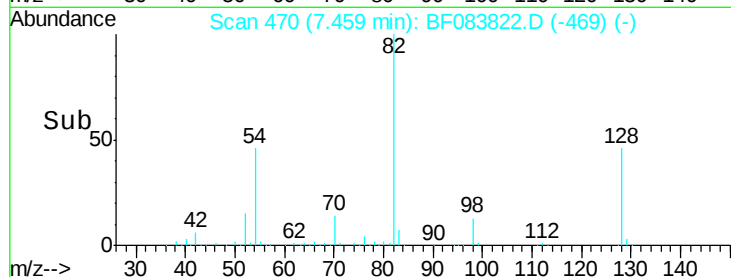
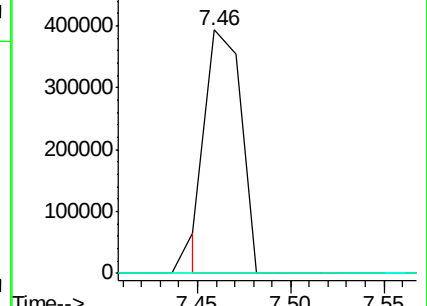
138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 3.51 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

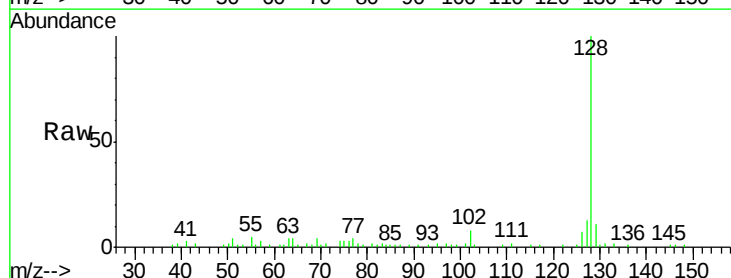
Tgt Ion: 128 Resp: 70267

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

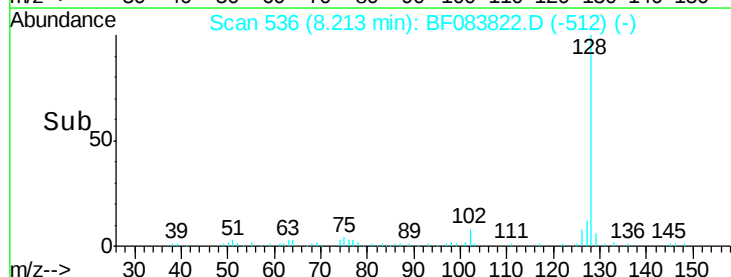
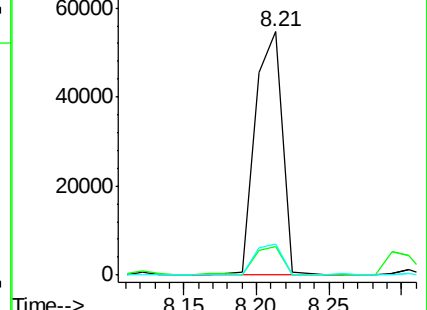
127 12.7 10.6 16.0

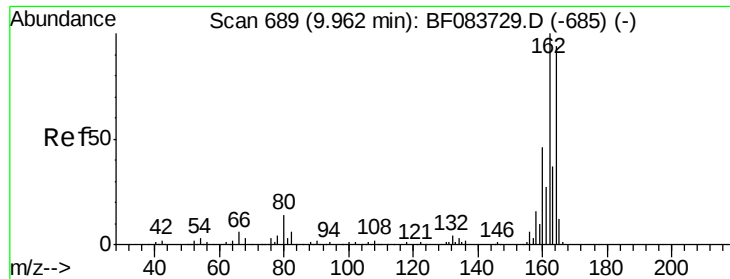


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

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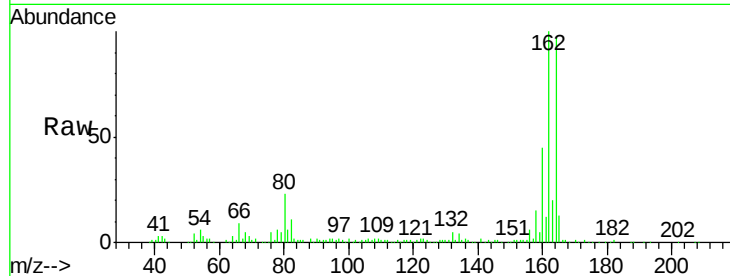
Tgt Ion:164 Resp: 167210

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

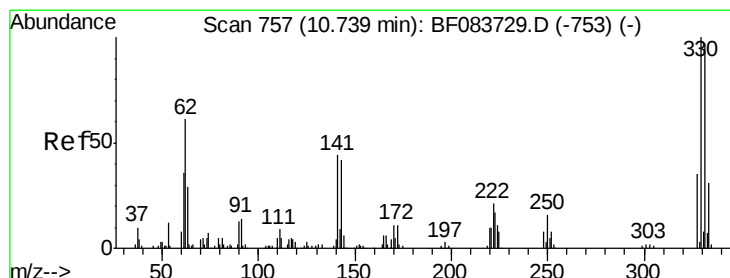
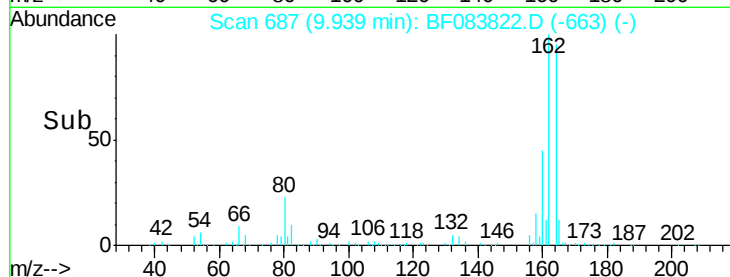
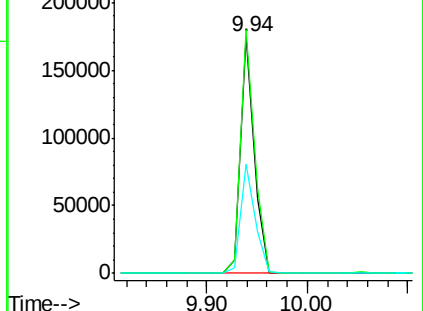
160 46.3 33.4 50.2



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: 118.51 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

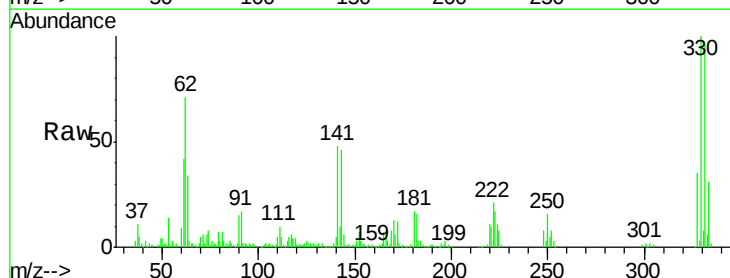
Tgt Ion:330 Resp: 201929

Ion Ratio Lower Upper

330 100

332 96.9 0.0 0.0#

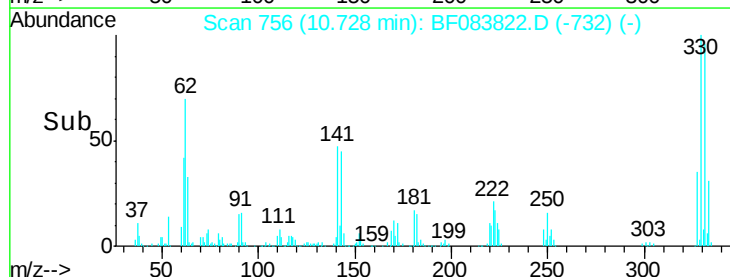
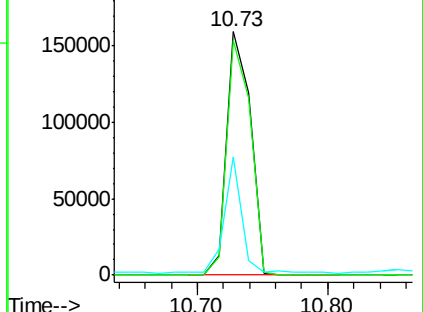
141 34.7 0.0 0.0#

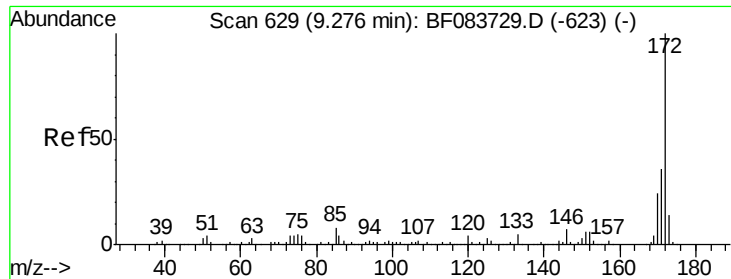


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

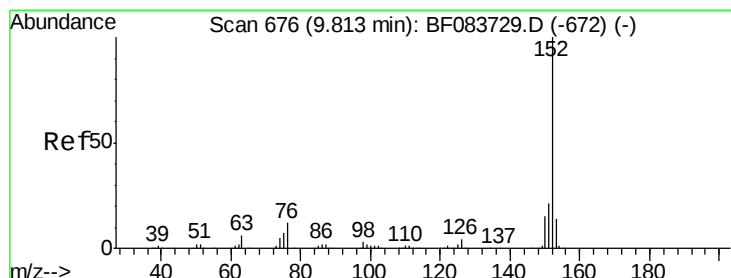
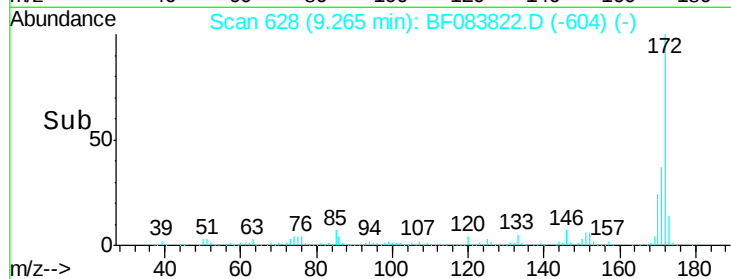
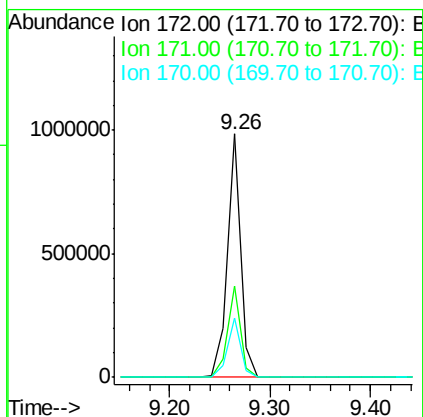
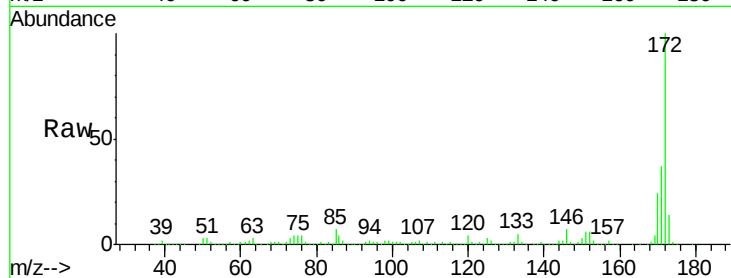




#44
 2-Fluorobiphenyl
 Concen: 76.96 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

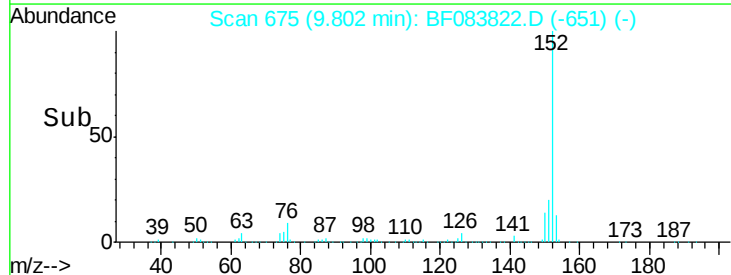
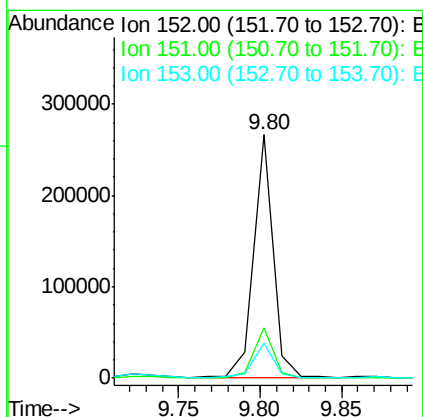
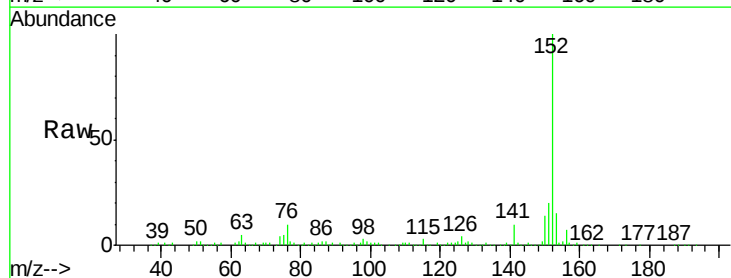
Instrument :
 BNA_F
 ClientSampleId :
 K206-18-19

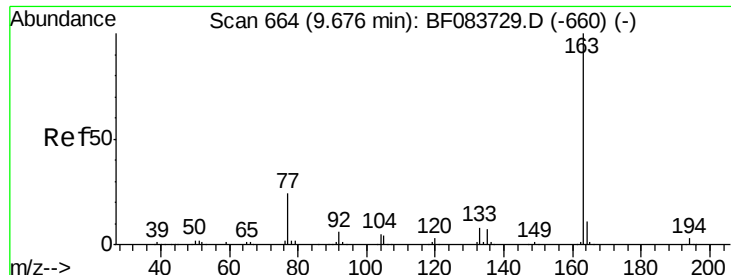
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.6	42.8
170	24.3	19.4	29.0



#48
 Acenaphthylene
 Concen: 11.89 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.6	10.8	16.2





#49

Dimethylphthalate

Concen: 11.98 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.03 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

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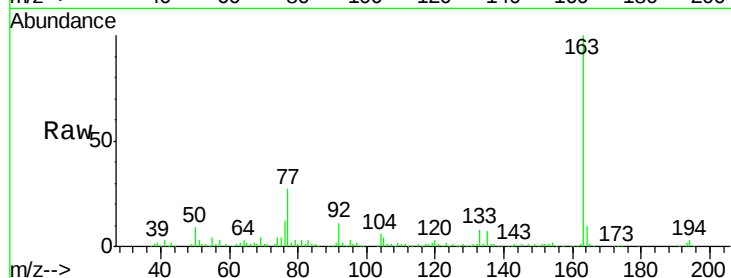
Tgt Ion:163 Resp: 156130

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

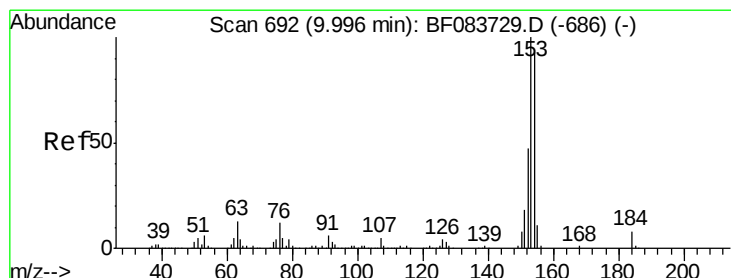
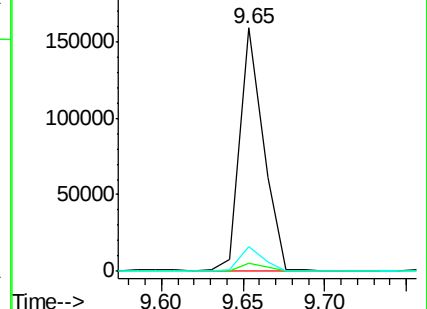
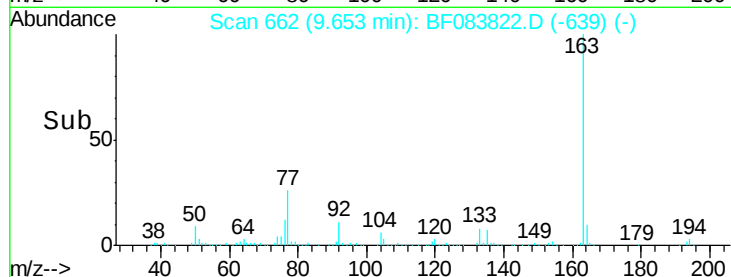
164 10.3 8.6 13.0



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



#51

Acenaphthene

Concen: 6.57 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

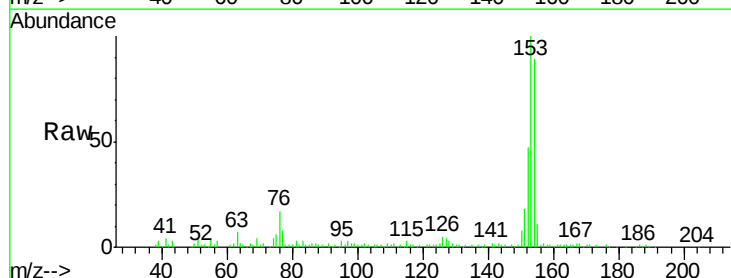
Tgt Ion:154 Resp: 73081

Ion Ratio Lower Upper

154 100

153 111.9 91.4 137.0

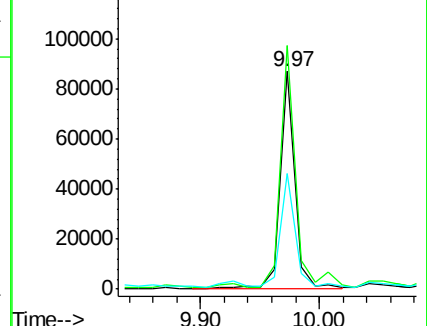
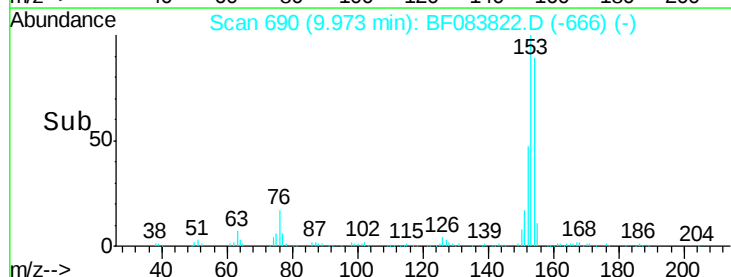
152 52.9 43.4 65.2

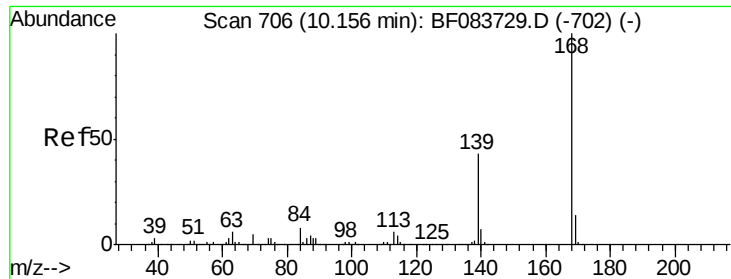


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 4.03 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

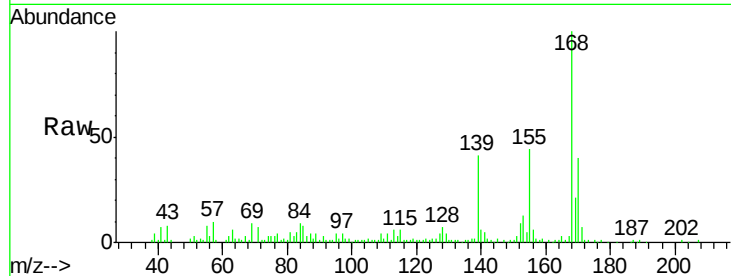
Tgt Ion:168 Resp: 59371

Ion Ratio Lower Upper

168 100

139 41.4 28.0 42.0

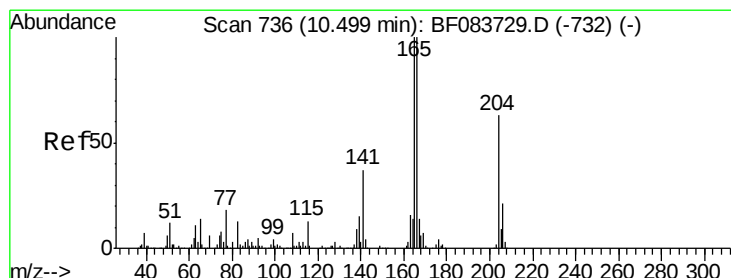
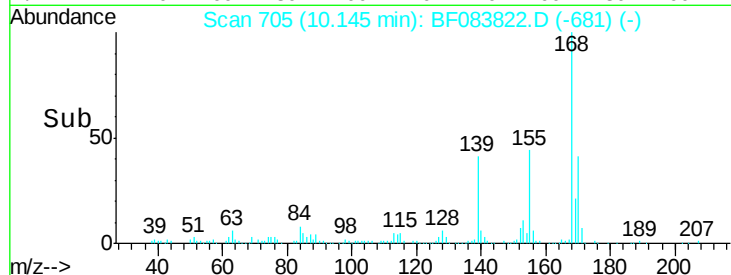
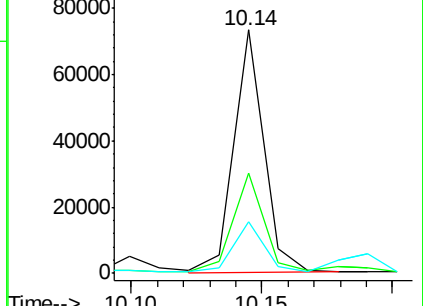
169 21.2 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 12.12 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

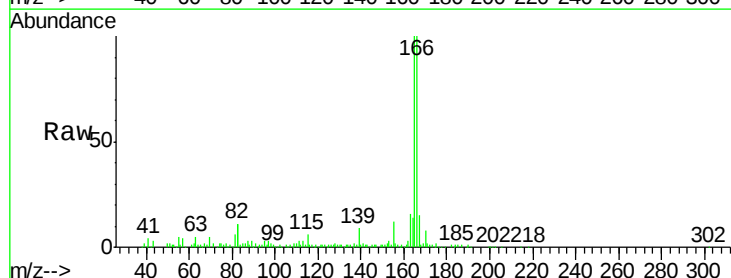
Tgt Ion:166 Resp: 140721

Ion Ratio Lower Upper

166 100

165 100.1 80.0 120.0

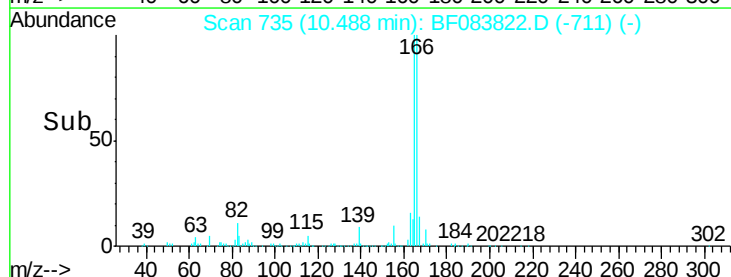
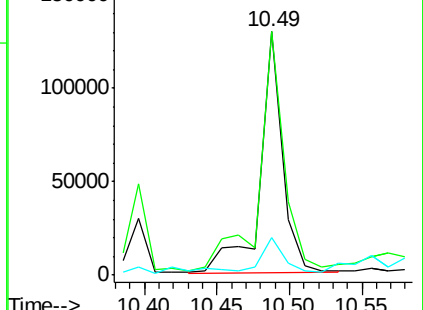
167 15.3 10.6 16.0

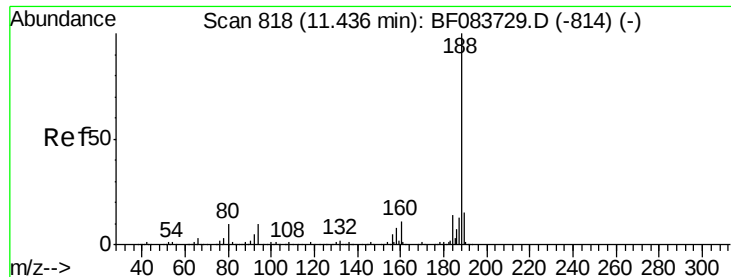


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

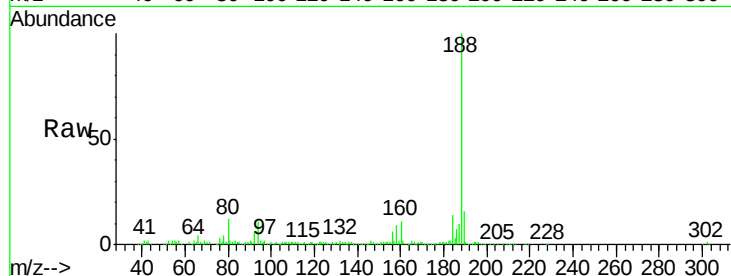




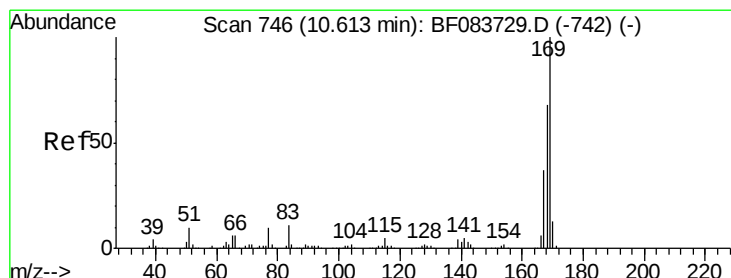
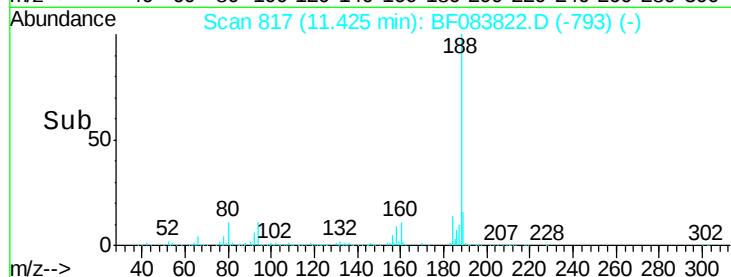
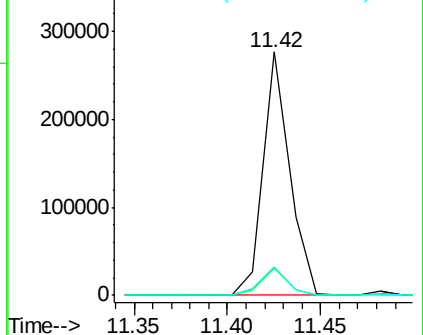
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Instrument :
BNA_F
ClientSampleId :
K206-18-19

Tgt Ion:188 Resp: 270829
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.7 10.6 16.0

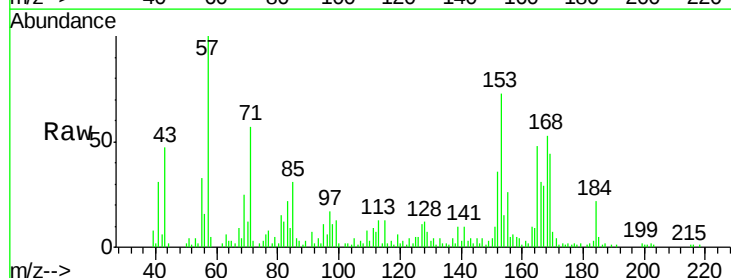


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

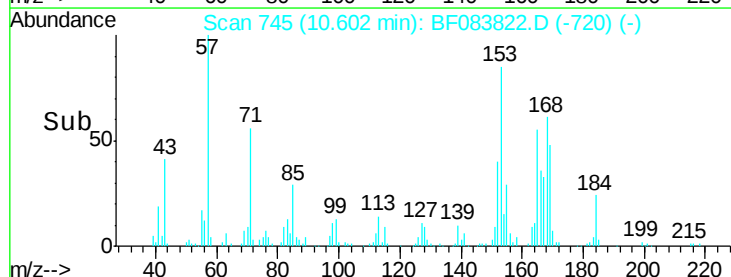
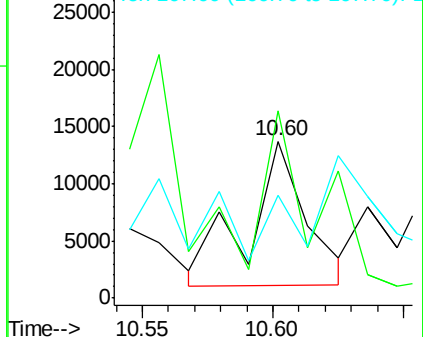


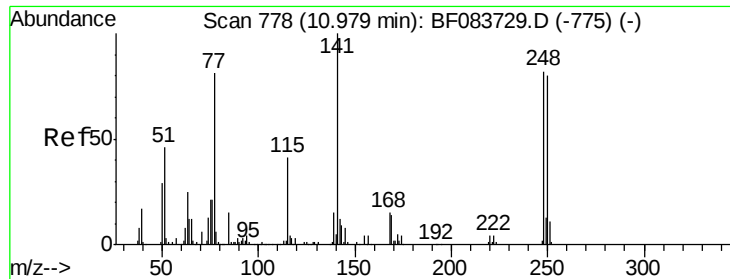
#65
n-Nitrosodiphenylamine
Concen: 2.10 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF083822.D
Acq: 15 Dec 2015 16:59

Tgt Ion:169 Resp: 19426
Ion Ratio Lower Upper
169 100
168 119.6 53.0 79.6#
167 66.0 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

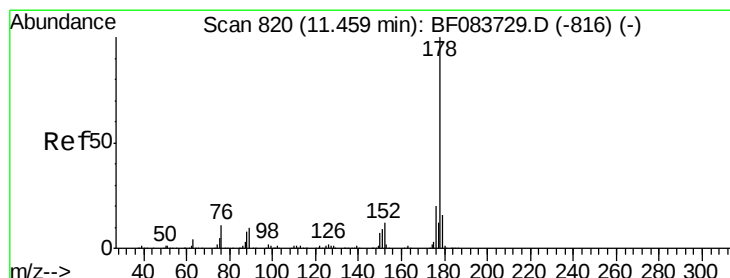
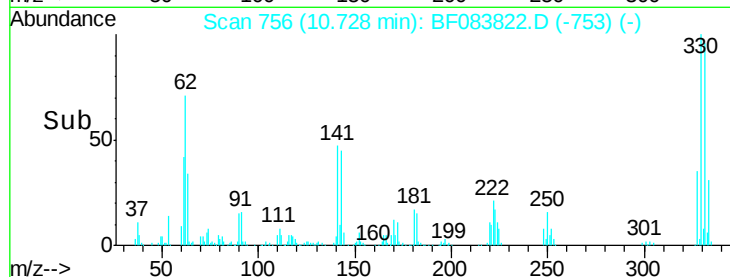
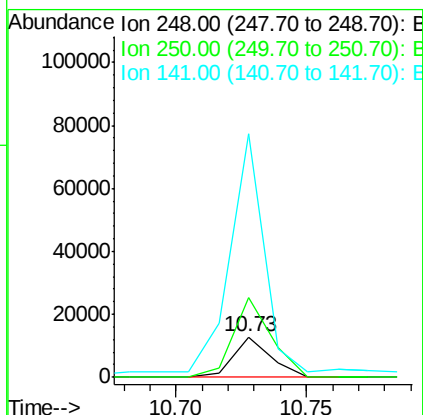
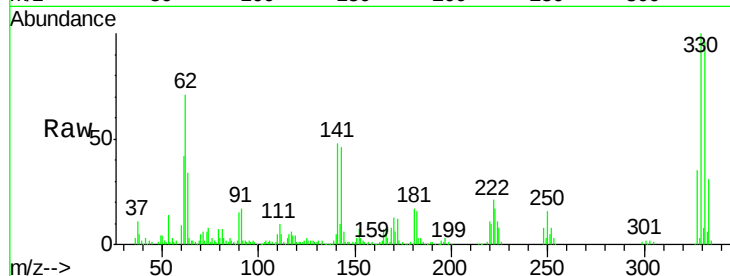




#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.26 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

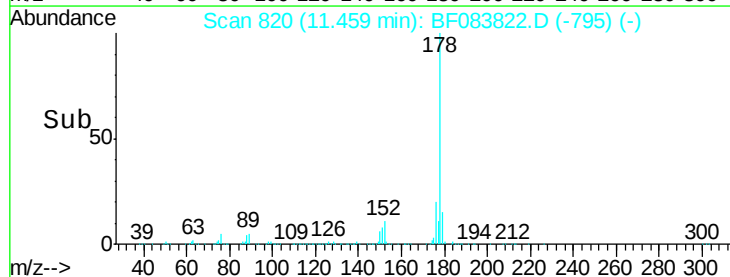
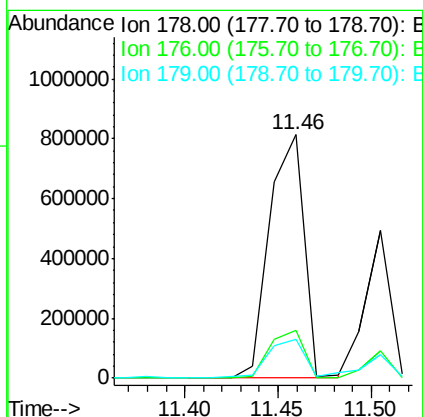
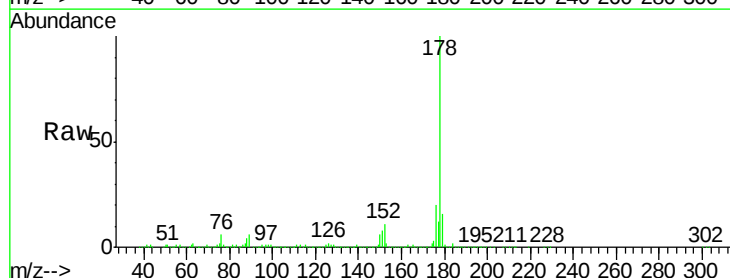
Instrument :
 BNA_F
 ClientSampleId :
 K206-18-19

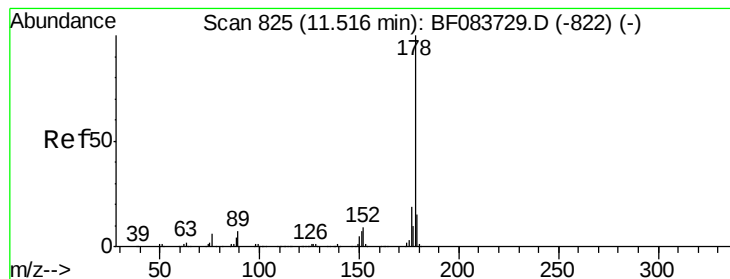
Tgt Ion:248 Resp: 13036
 Ion Ratio Lower Upper
 248 100
 250 197.6 79.2 118.8#
 141 601.4 58.2 87.4#



#70
 Phenanthrene
 Concen: 72.38 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Tgt Ion:178 Resp: 1041330
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.7 23.5
 179 15.8 12.2 18.4





#71

Anthracene

Concen: 32.21 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

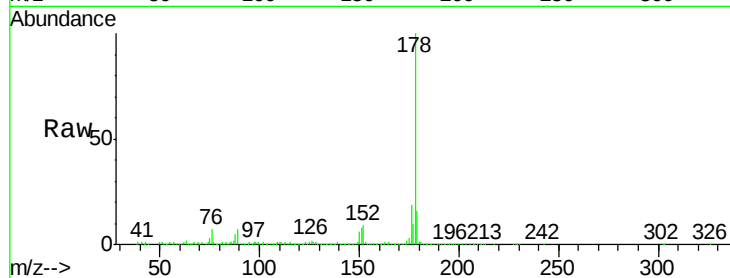
Tgt Ion:178 Resp: 481308

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

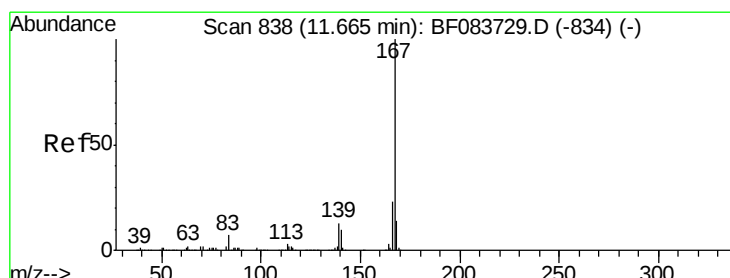
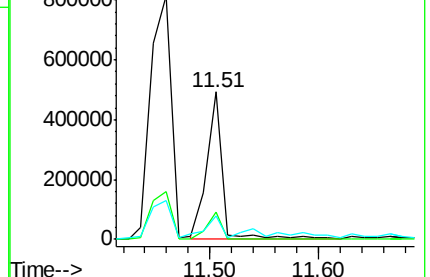
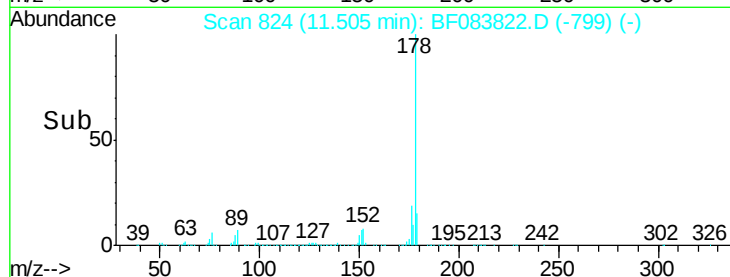
179 15.5 12.6 18.8



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



#72

Carbazole

Concen: 4.05 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

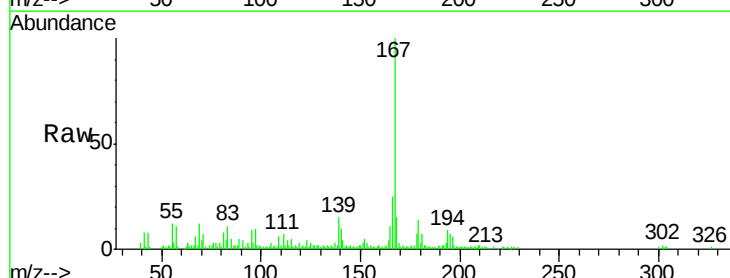
Tgt Ion:167 Resp: 56332

Ion Ratio Lower Upper

167 100

166 25.0 17.2 25.8

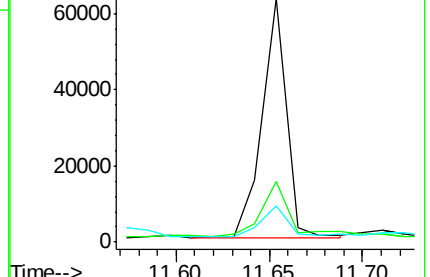
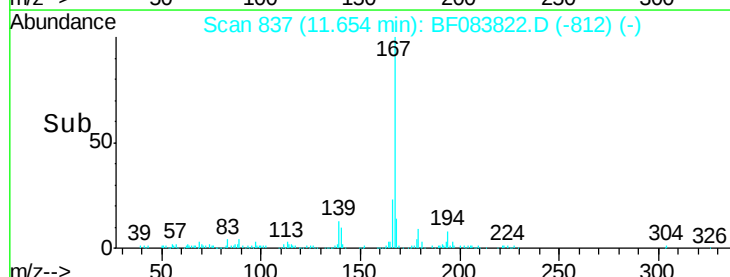
139 14.9 9.3 13.9#

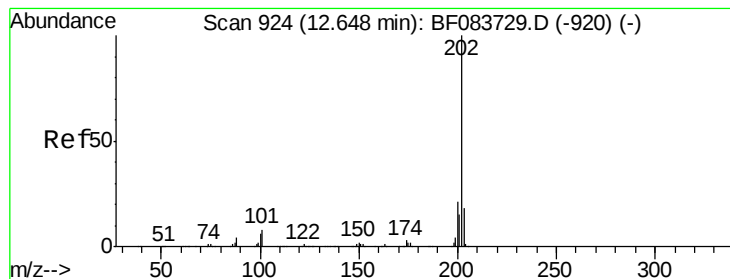


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 98.21 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

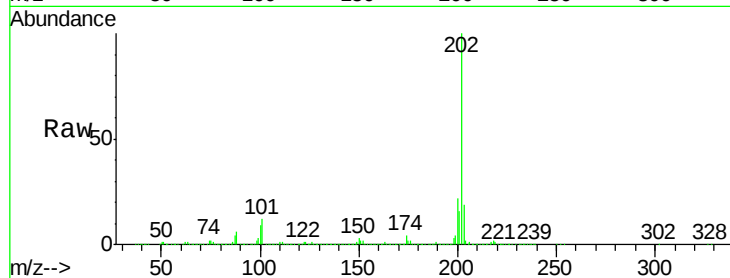
Tgt Ion:202 Resp: 1459981

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

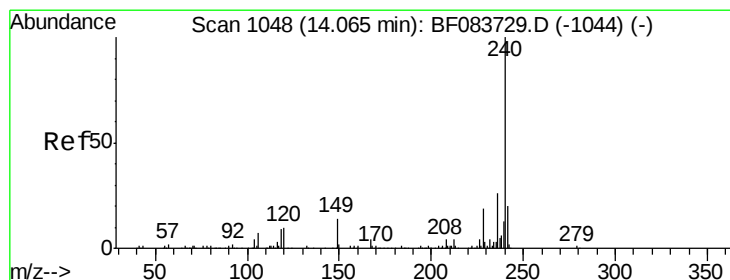
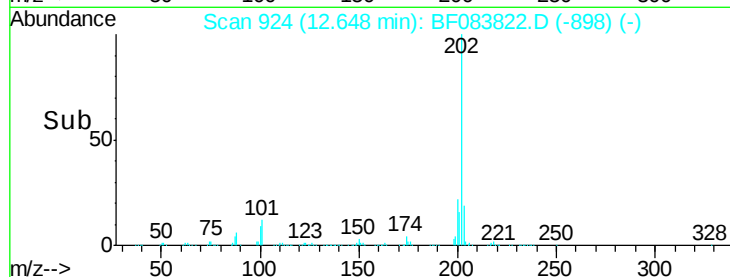
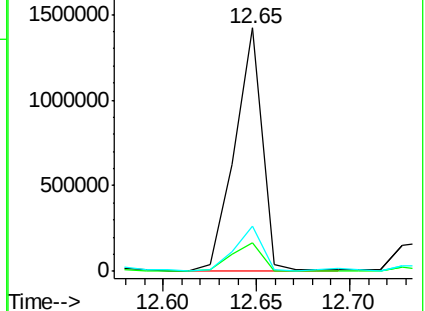
203 18.7 0.0 37.6



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: BF083822.D

Acq: 15 Dec 2015 16:59

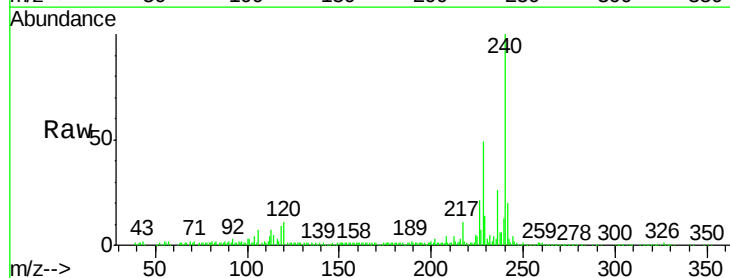
Tgt Ion:240 Resp: 211967

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

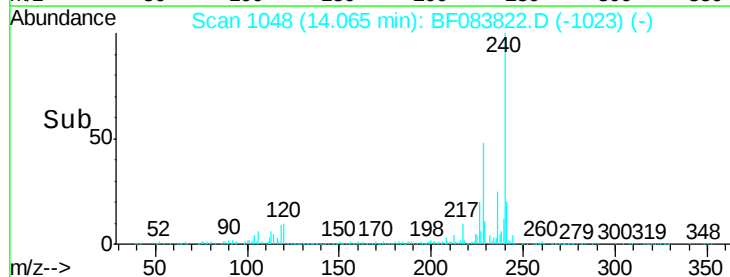
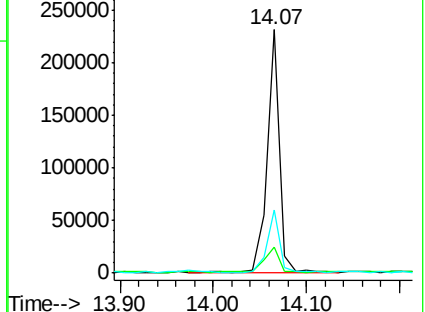
236 25.7 20.8 31.2

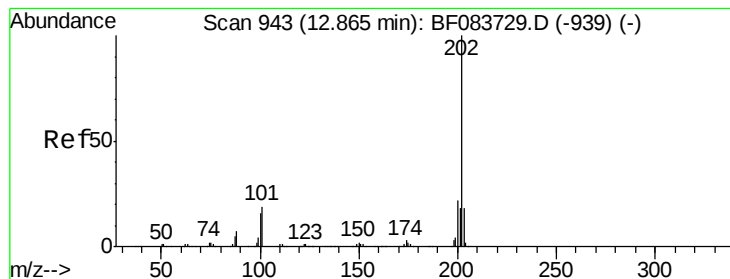


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 91.47 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

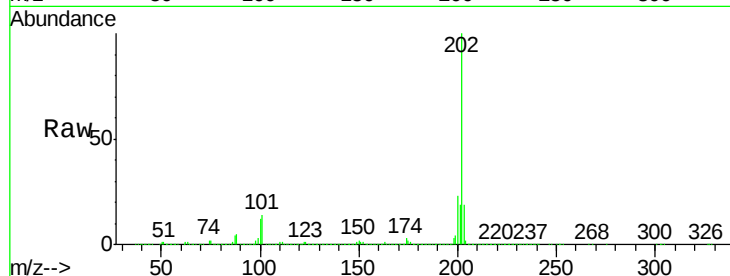
Tgt Ion:202 Resp: 1532409

Ion Ratio Lower Upper

202 100

200 22.9 16.7 25.1

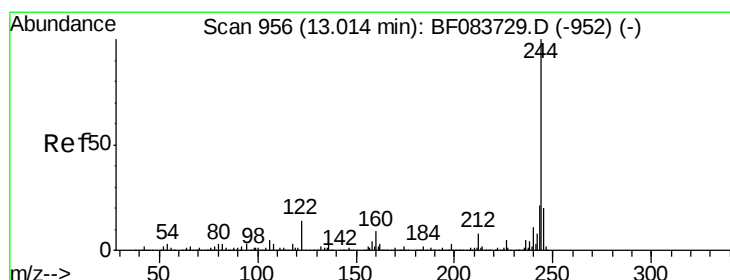
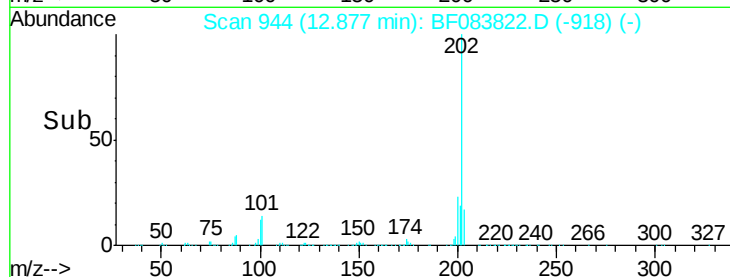
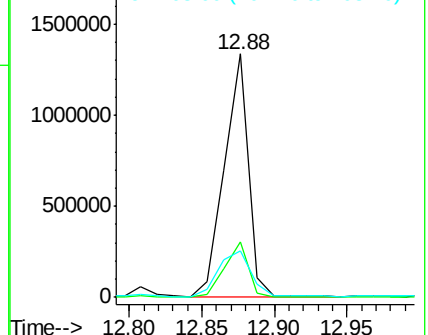
203 19.0 14.3 21.5



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: 75.91 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

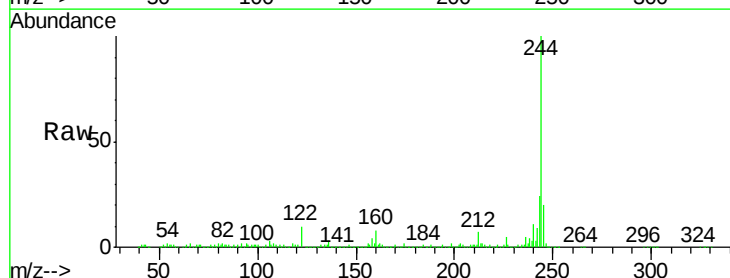
Tgt Ion:244 Resp: 748008

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

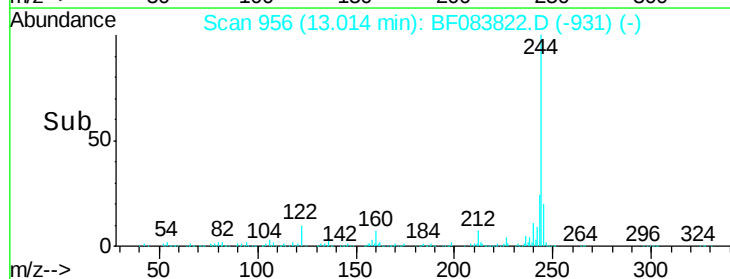
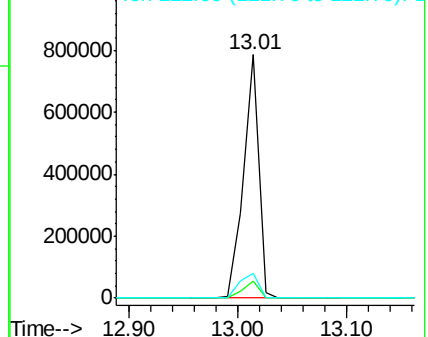
122 10.4 11.0 16.6

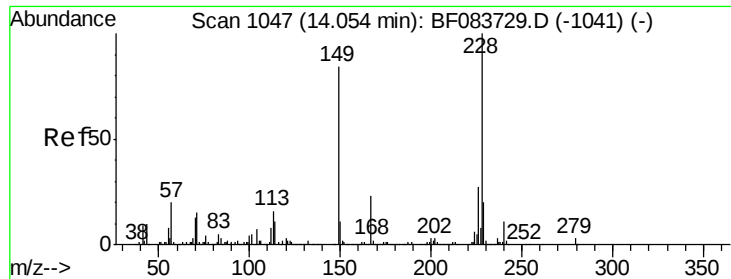


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 36.19 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

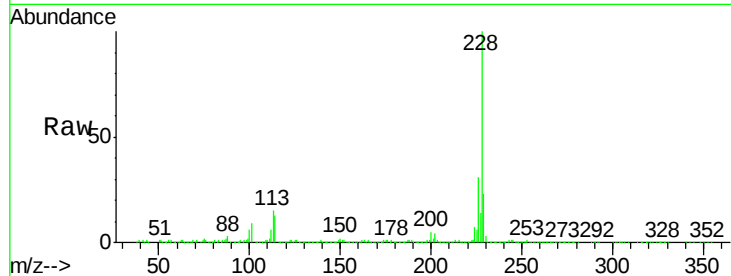
Tgt Ion:228 Resp: 436154

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

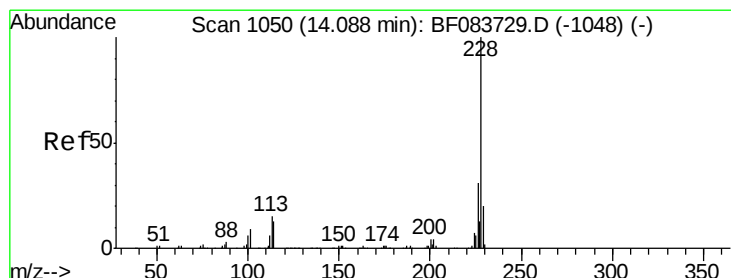
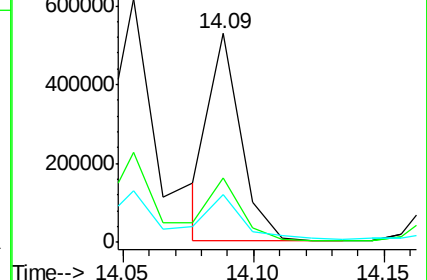
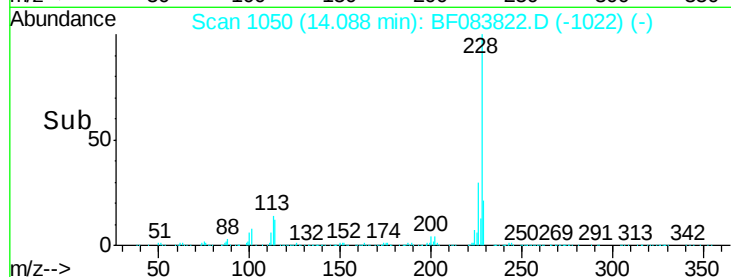
229 22.7 15.7 23.5



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: 37.14 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

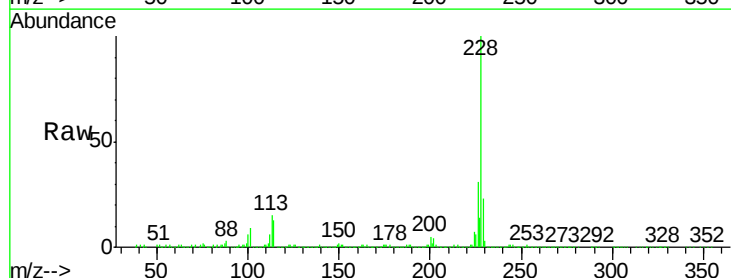
Tgt Ion:228 Resp: 436594

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

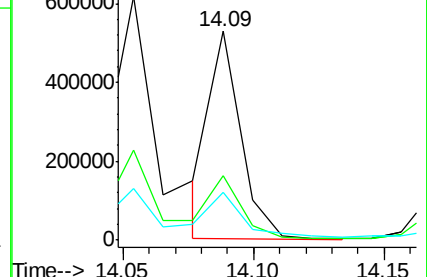
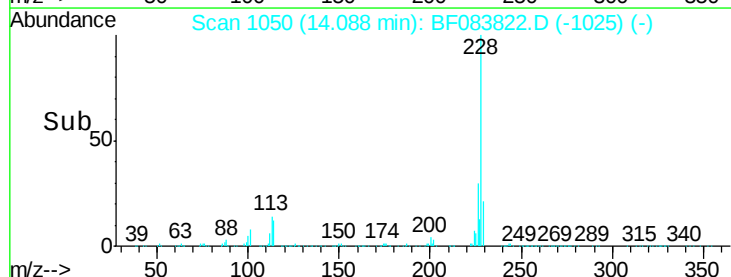
229 22.7 16.3 24.5

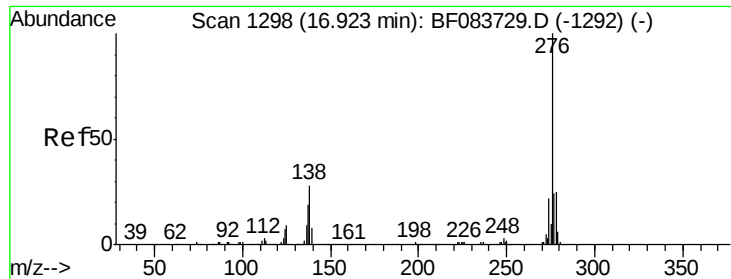


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

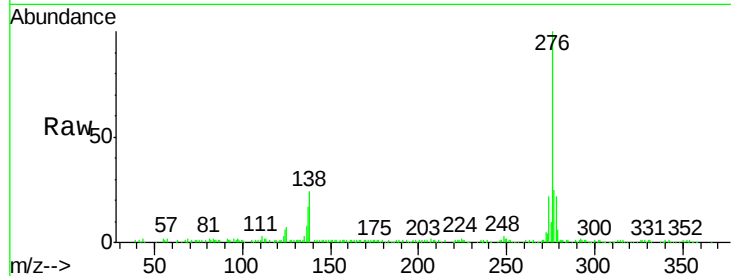




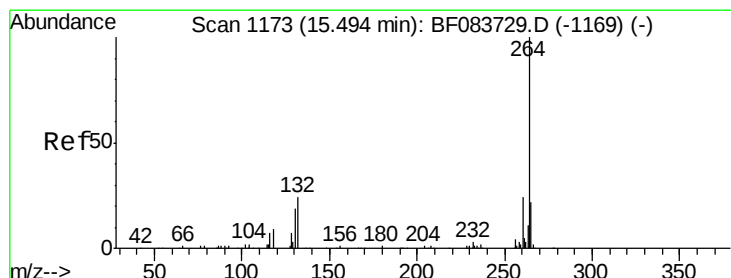
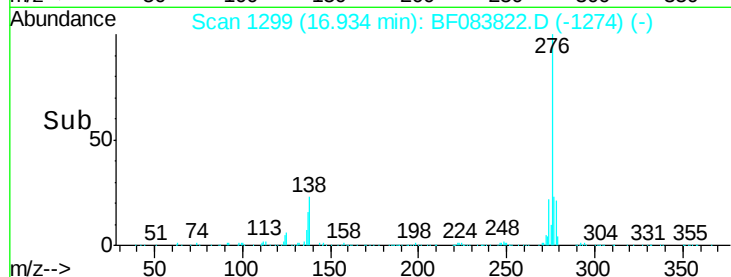
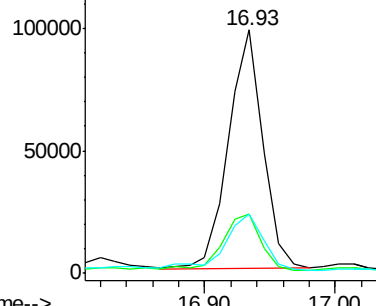
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.47 ng
 RT: 16.93 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Instrument :
 BNA_F
 ClientSampleId :
 K206-18-19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	0.0	0.0#
277	27.9	0.0	0.0#

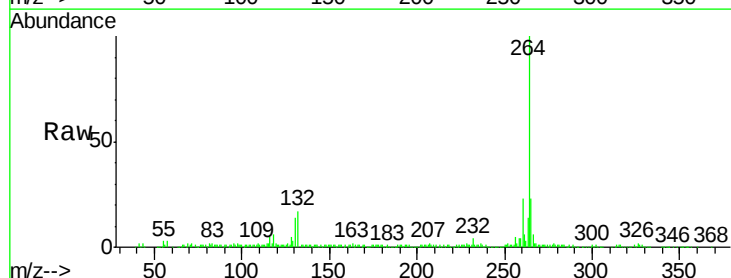


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

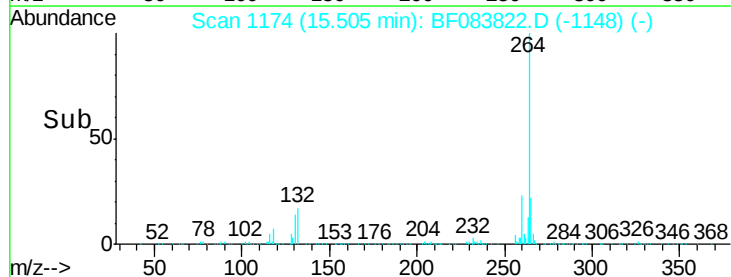
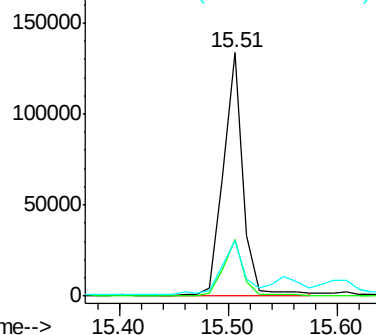


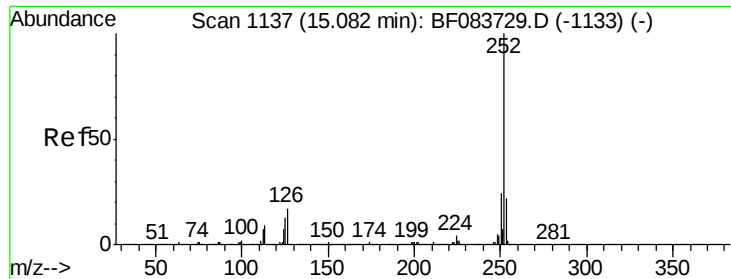
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF083822.D
 Acq: 15 Dec 2015 16:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.8	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: 59.37 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

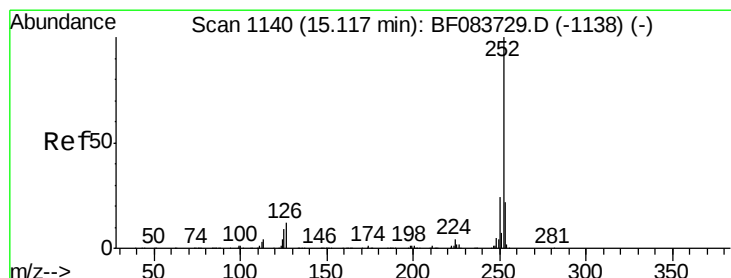
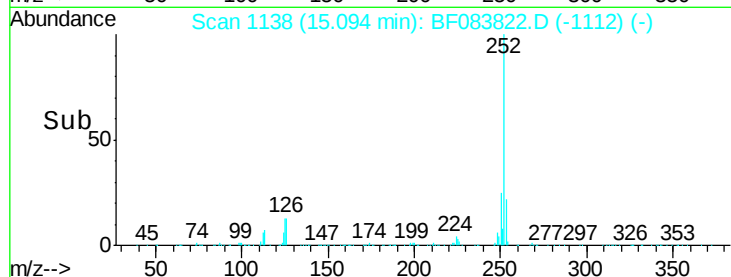
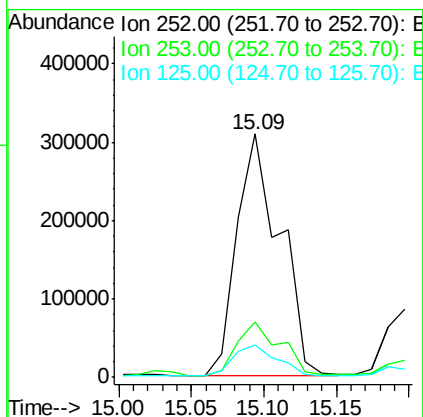
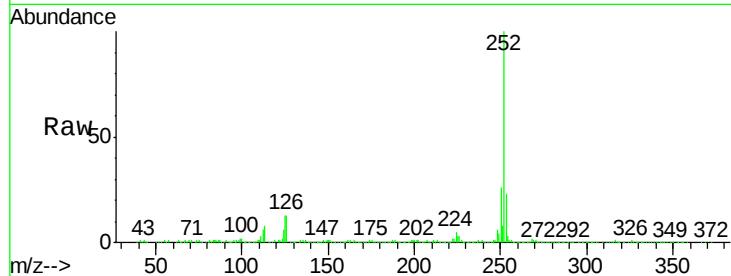
Instrument :

BNA_F

ClientSampleId :

K206-18-19

Tgt Ion:	252	Resp:	634257
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.4
125	13.1	8.2	12.4#



#88

Benzo(k)fluoranthene

Concen: 65.52 ng

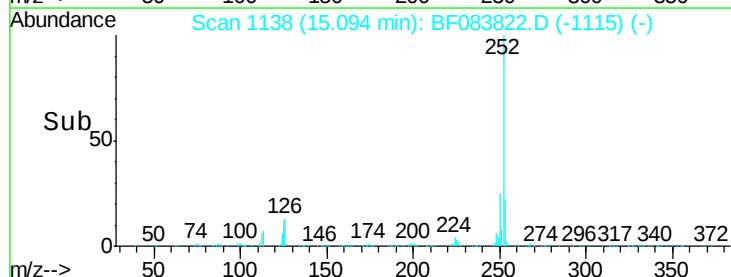
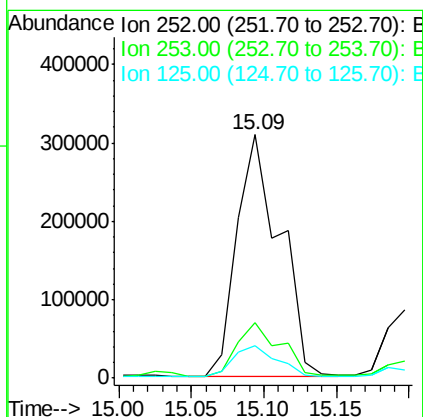
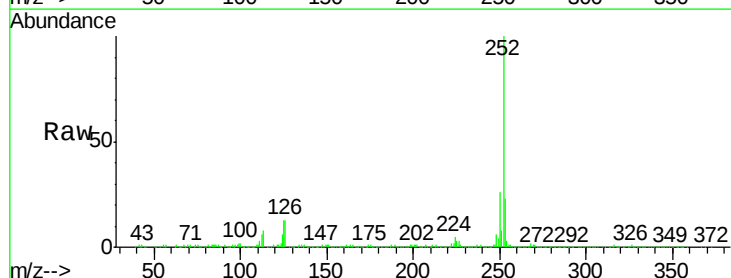
RT: 15.09 min Scan# 1138

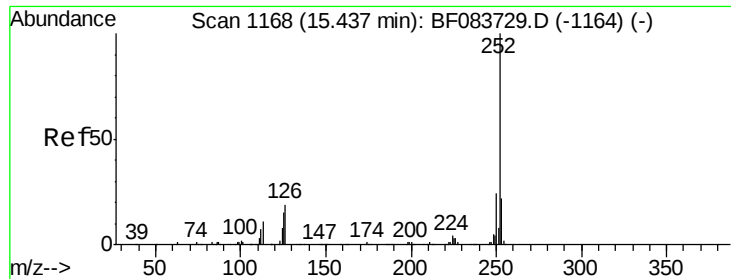
Delta R.T. -0.03 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Tgt Ion:	252	Resp:	634257
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.6	27.8
125	13.1	11.5	17.3





#89

Benzo(a)pyrene

Concen: 43.10 ng

RT: 15.45 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

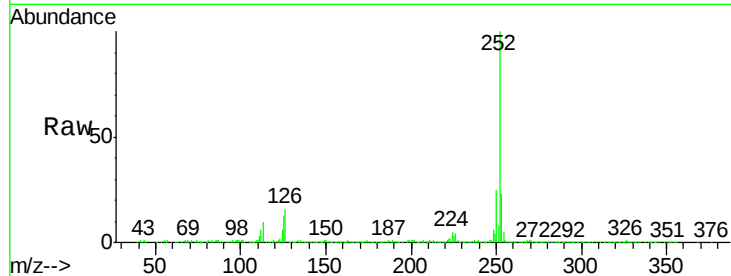
Tgt Ion:252 Resp: 410847

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

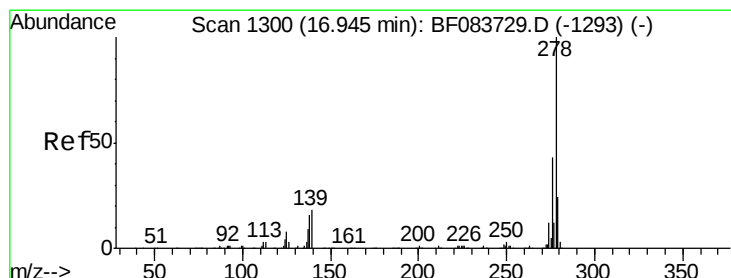
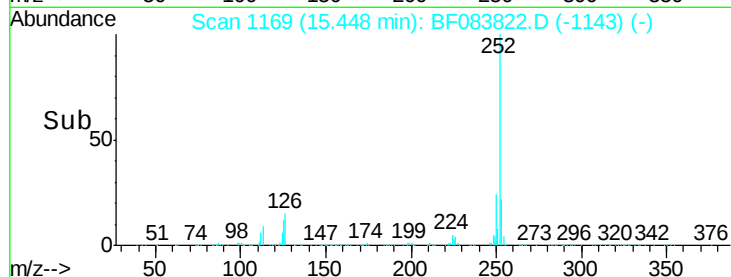
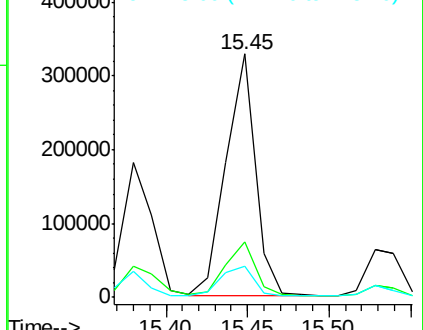
125 12.6 11.0 16.6



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



#90

Dibenzo(a,h)anthracene

Concen: 4.37 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

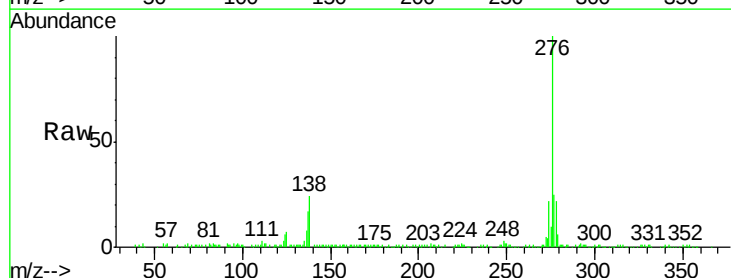
Tgt Ion:278 Resp: 41449

Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

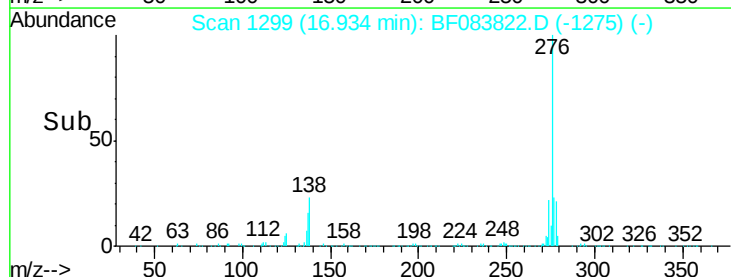
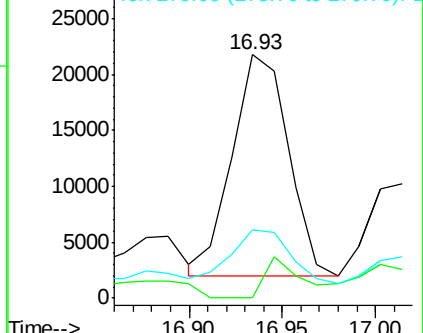
279 28.3 18.6 28.0#

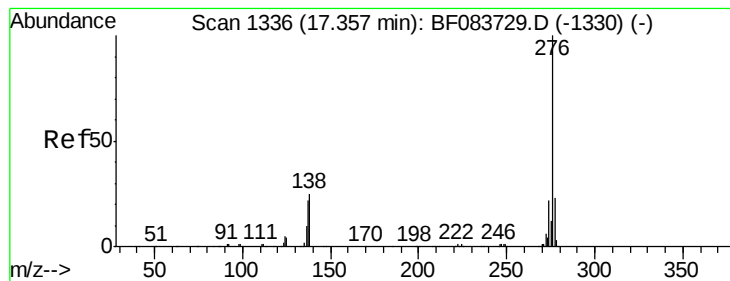


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 18.45 ng

RT: 17.37 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF083822.D

Acq: 15 Dec 2015 16:59

Instrument :

BNA_F

ClientSampleId :

K206-18-19

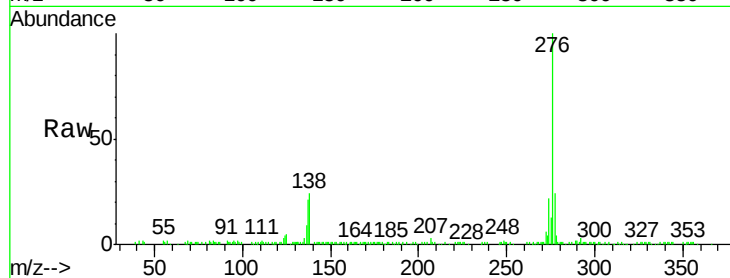
Tgt Ion: 276 Resp: 179792

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 23.7 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

