

Data Path : Z:\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 00:47:02 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

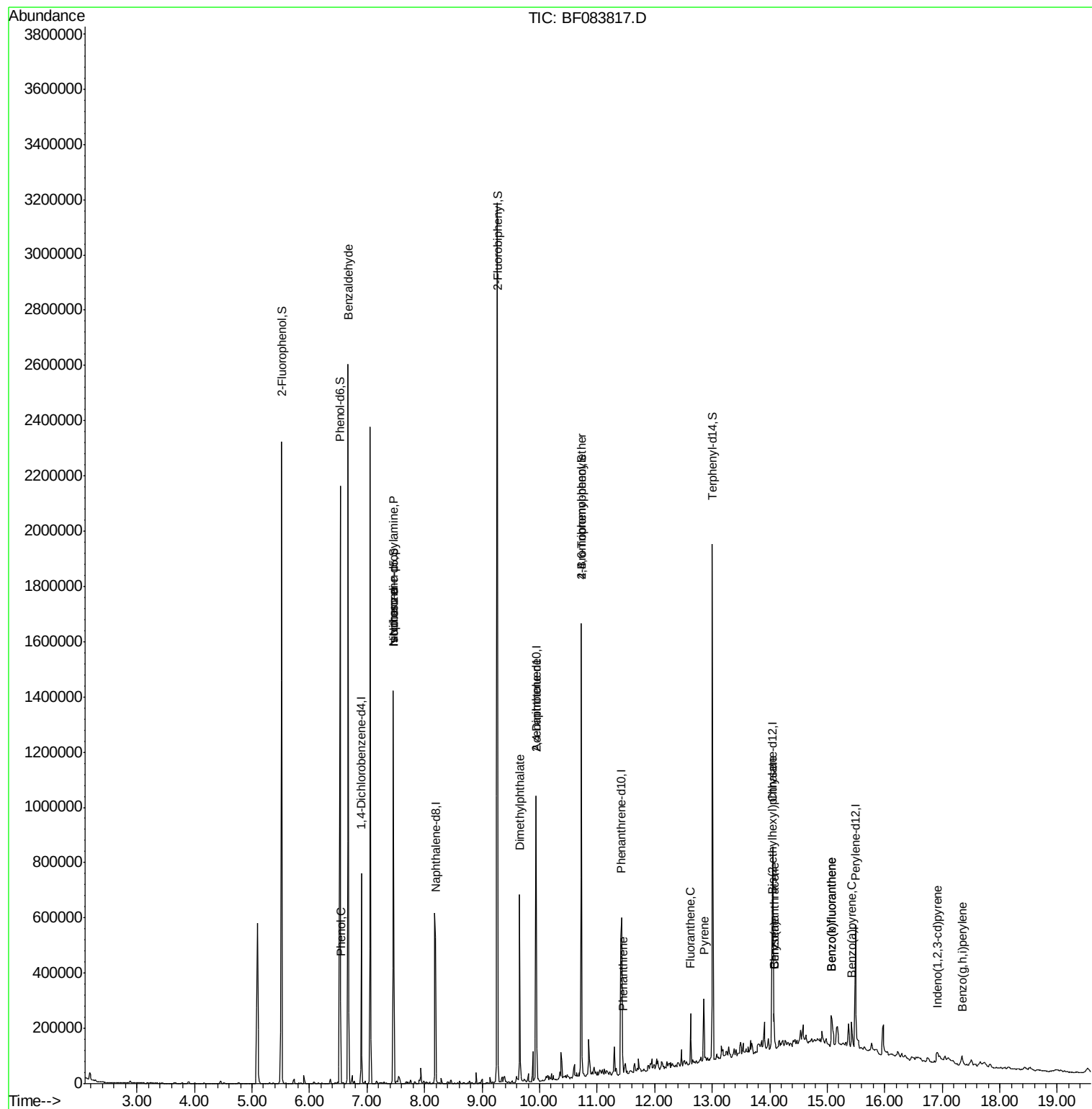
Target Compounds				Qvalue		
9) Benzaldehyde	6.67	77	17567	3.91	ng	94
10) Phenol	6.54	94	24099	2.50	ng	80
19) n-Nitroso-di-n-propylamine	7.46	70	71468	13.94	ng	# 71
25) Isophorone	7.46	82	434955	30.19	ng	# 69
49) Dimethylphthalate	9.65	163	250536	16.84	ng	99
56) 2,4-Dinitrotoluene	9.94	165	25173	6.10	ng	# 12
66) 4-Bromophenyl-phenylether	10.73	248	15444	4.64	ng	# 1
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	14.08	228	37665	2.79	ng	93
82) Chrysene	14.08	228	37665	2.86	ng	97
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	82438	6.44	ng	# 92
88) Benzo(k)fluoranthene	15.07	252	82630	7.13	ng	# 96
89) Benzo(a)pyrene	15.43	252	40140	3.52	ng	# 90
91) Benzo(g,h,i)perylene	17.35	276	29664	2.54	ng	98

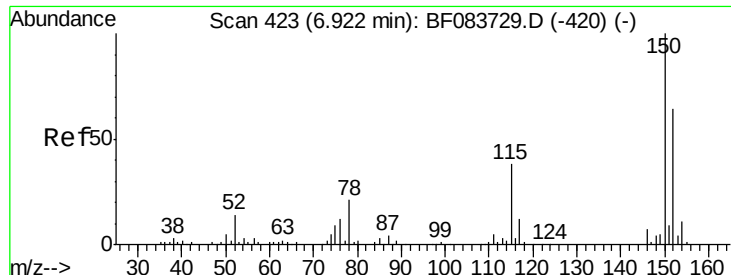
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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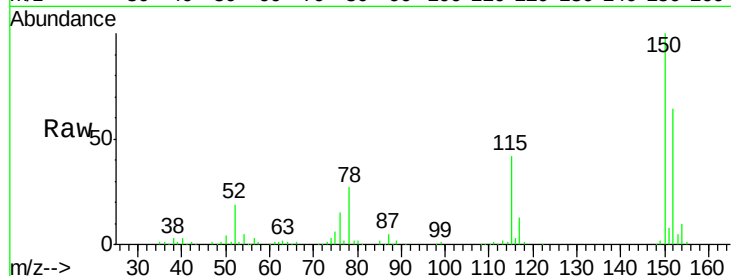


#1

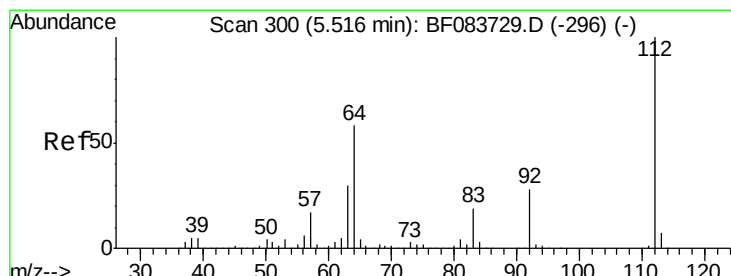
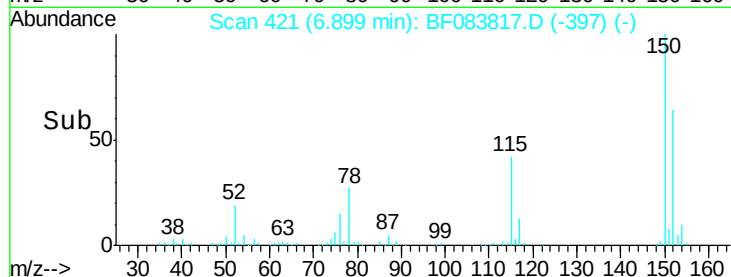
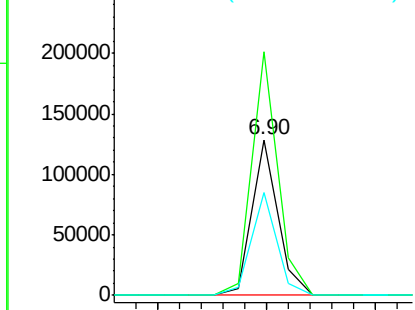
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampled :
K205-0-2

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



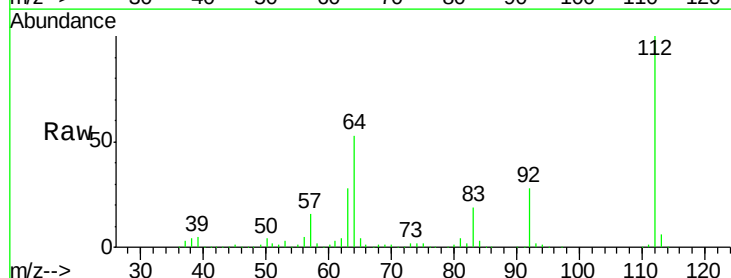
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



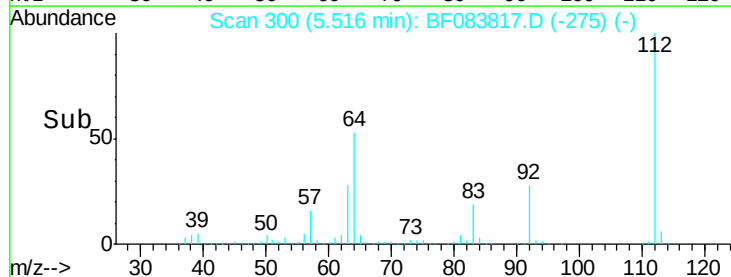
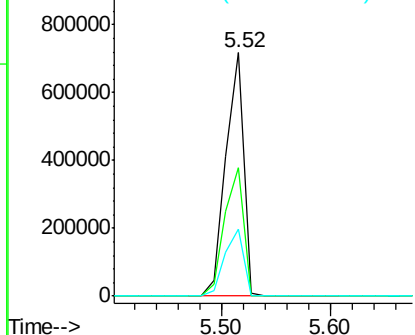
#5

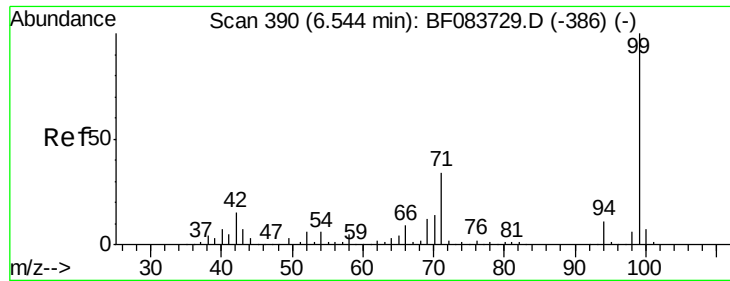
2-Fluorophenol
Concen: 123.13 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

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

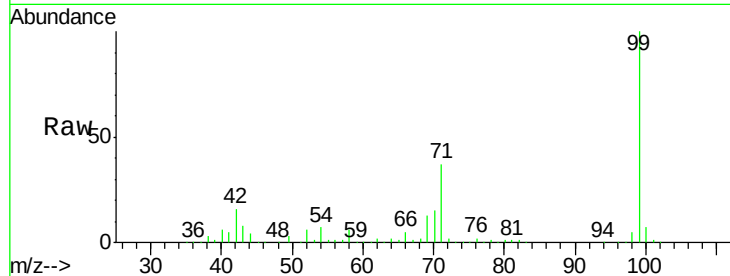
Tgt Ion: 99 Resp: 865713

Ion Ratio Lower Upper

99 100

42 16.2 17.3 25.9#

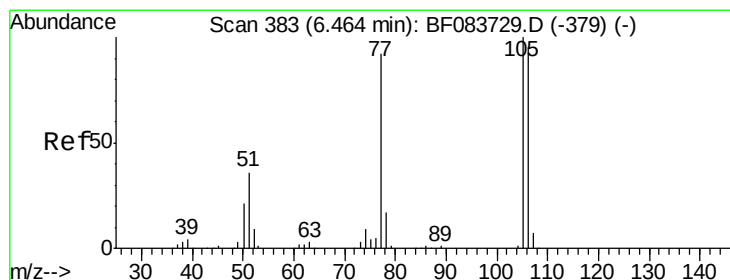
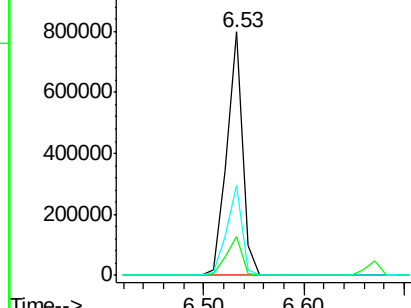
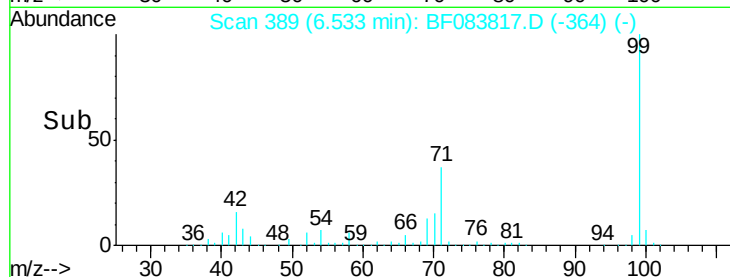
71 37.1 26.6 40.0



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



#9

Benzaldehyde

Concen: 3.91 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

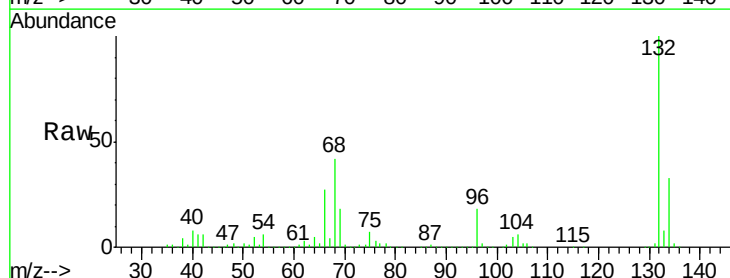
Tgt Ion: 77 Resp: 17567

Ion Ratio Lower Upper

77 100

105 82.8 71.8 111.8

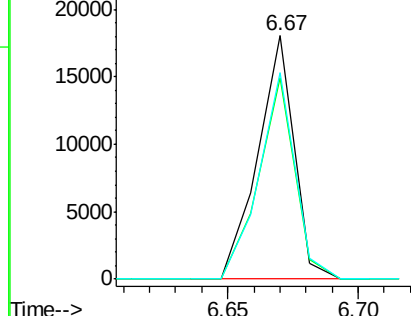
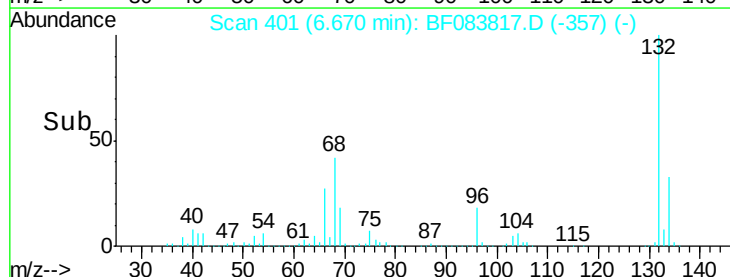
106 84.9 66.8 106.8

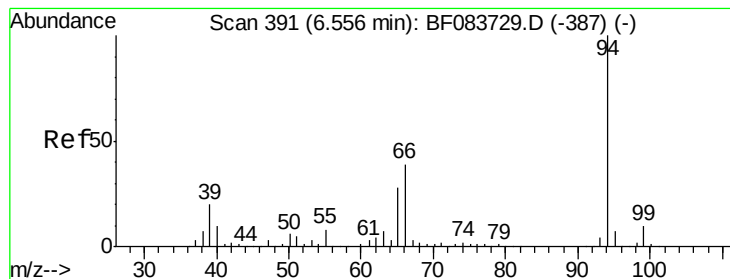


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#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

Instrument :

BNA_F

ClientSampleId :

K205-0-2

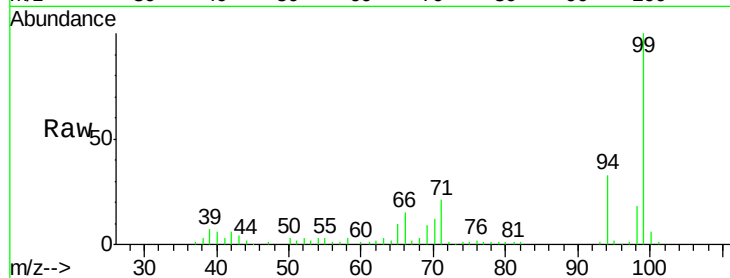
Tgt Ion: 94 Resp: 24099

Ion Ratio Lower Upper

94 100

65 29.1 20.9 60.9

66 45.3 41.6 81.6

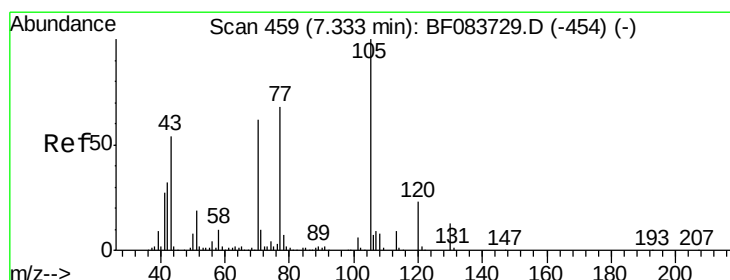
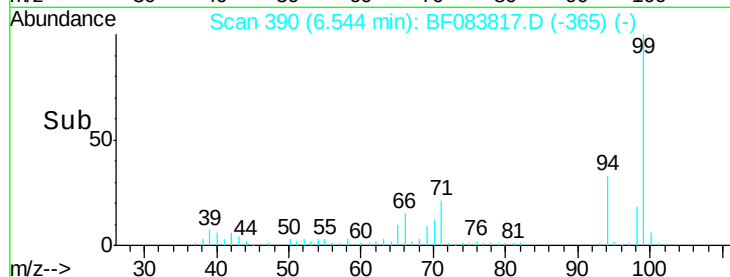
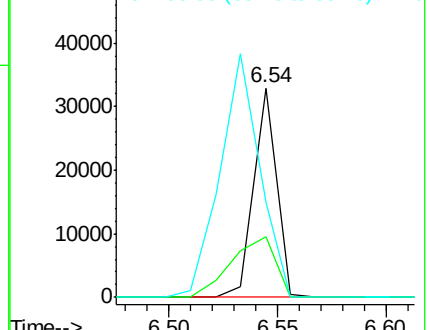


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 13.94 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Tgt Ion: 70 Resp: 71468

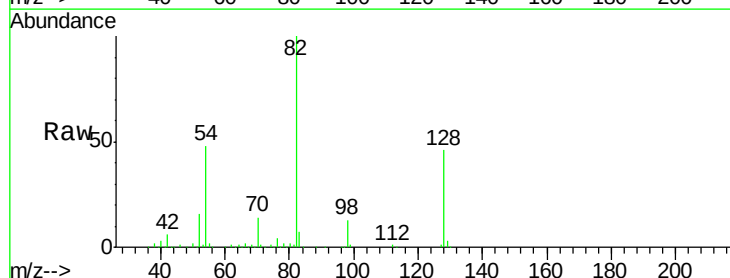
Ion Ratio Lower Upper

70 100

42 41.1 49.2 73.8#

101 0.0 7.1 10.7#

130 2.2 15.4 23.0#



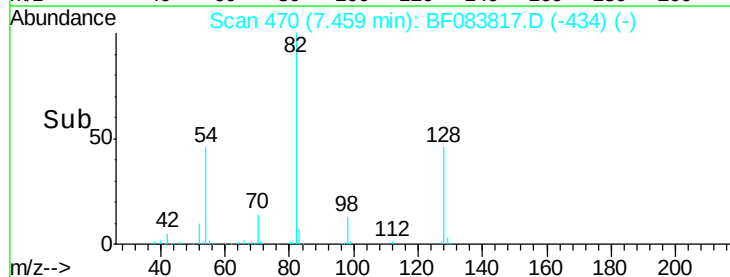
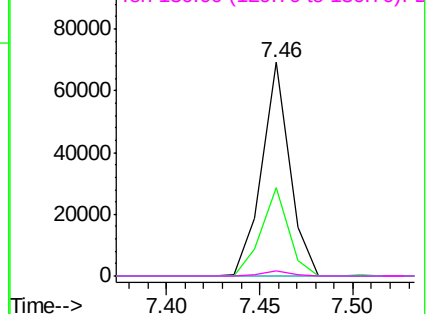
Abundance

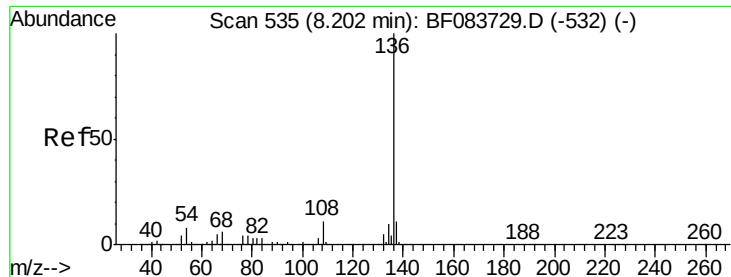
Ion 70.00 (69.70 to 70.70): BF0

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

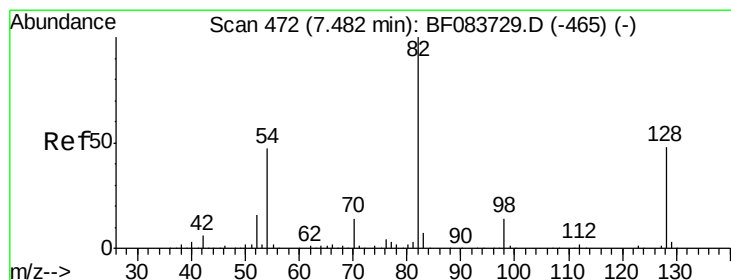
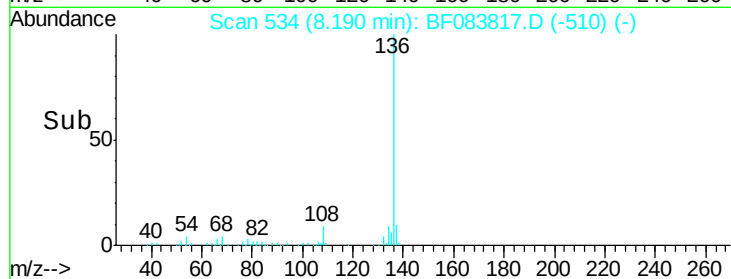
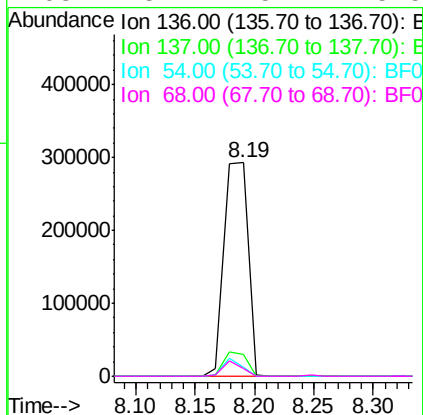
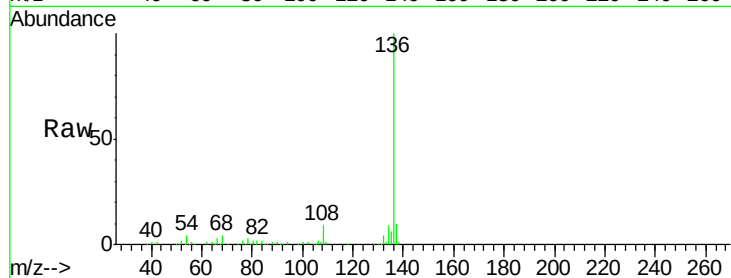




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

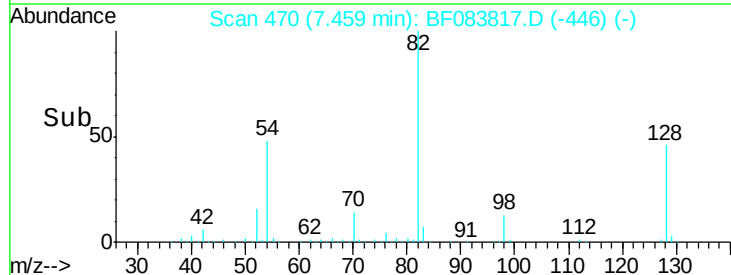
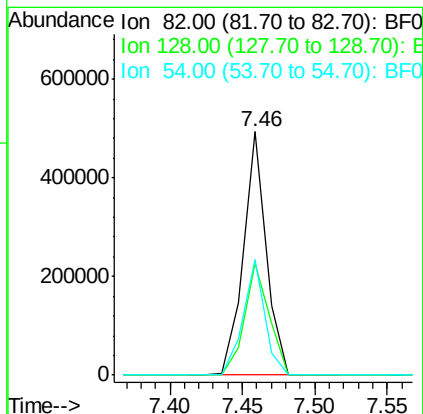
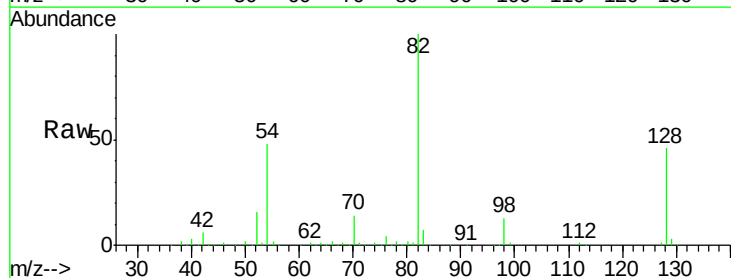
Instrument :
BNA_F
ClientSampleId :
K205-0-2

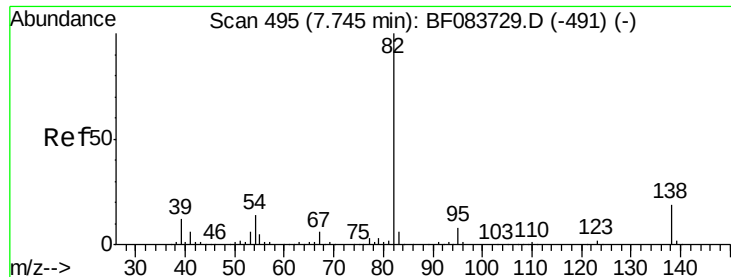
Tgt Ion:	136	Resp:	410885
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.7	13.1
54	4.4	7.8	11.6#
68	3.7	5.7	8.5#



#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





#25

Isophorone

Concen: 30.19 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

BNA_F

ClientSampleId :

K205-0-2

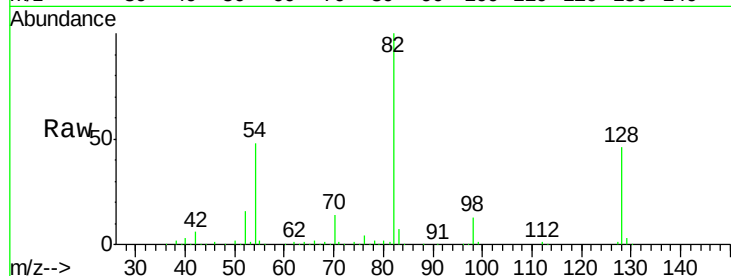
Tgt Ion: 82 Resp: 434955

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

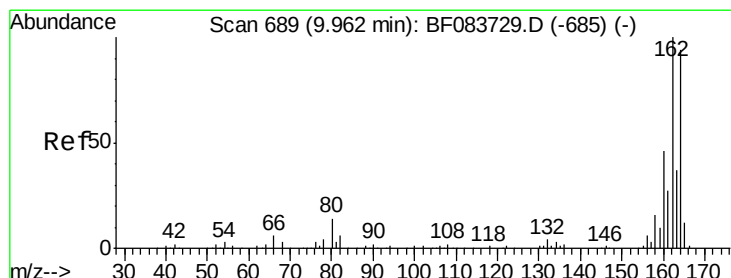
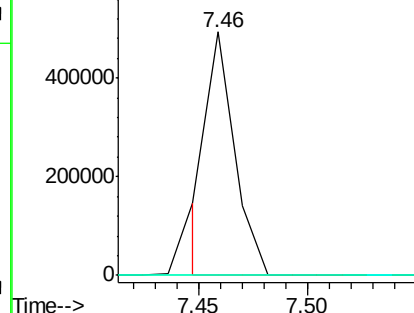
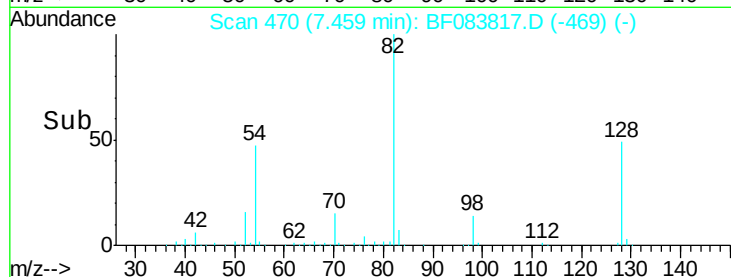
138 0.0 12.1 18.1#



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): E



#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

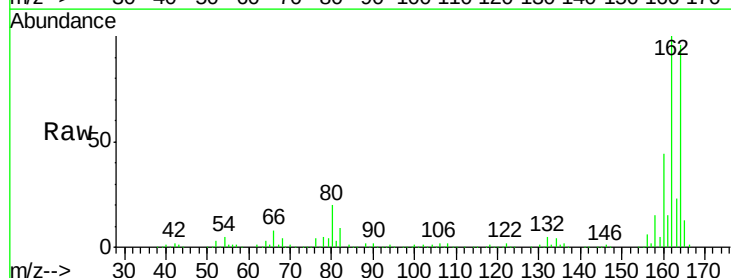
Tgt Ion: 164 Resp: 190773

Ion Ratio Lower Upper

164 100

162 104.6 78.8 118.2

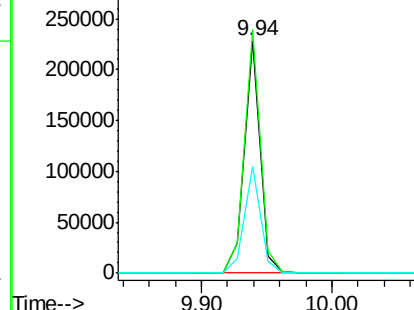
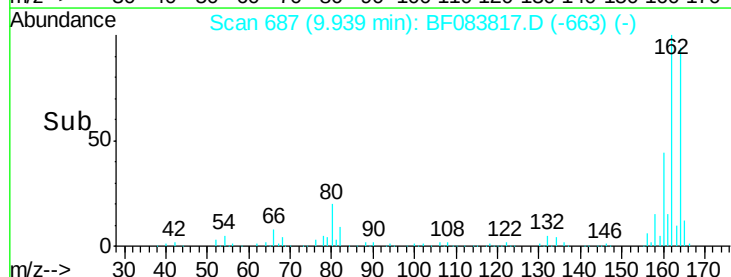
160 45.9 33.4 50.2

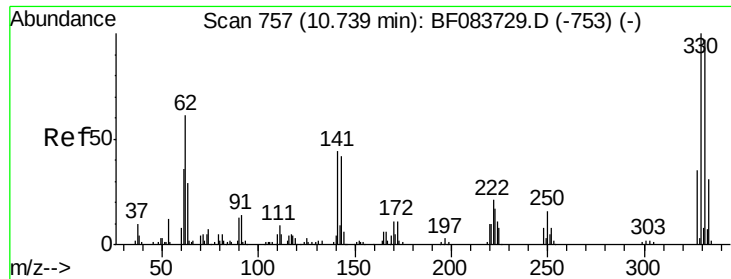


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

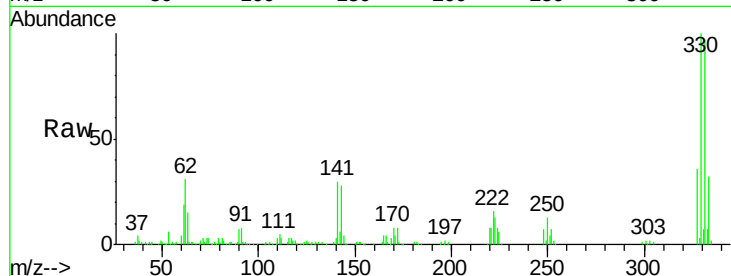




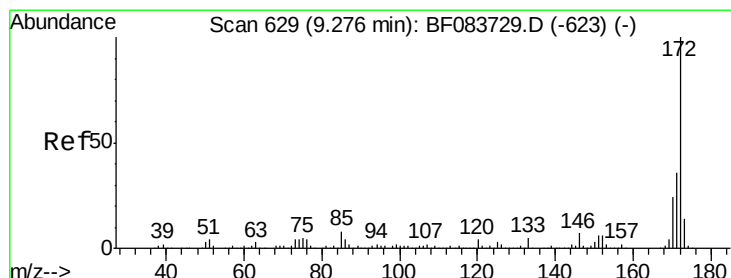
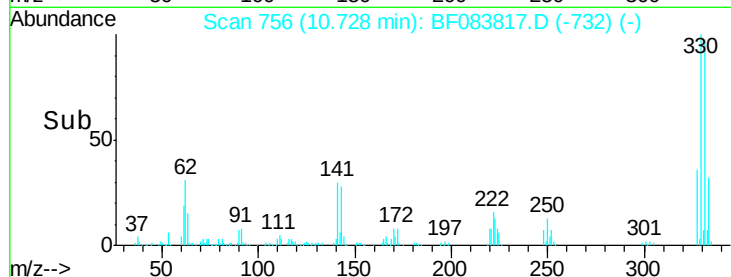
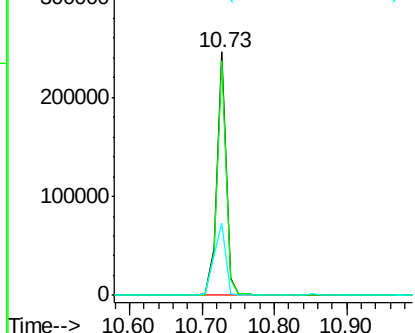
#41
 2,4,6-Tribromophenol
 Concen: 112.61 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Instrument :
 BNA_F
 ClientSampleId :
 K205-0-2

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#

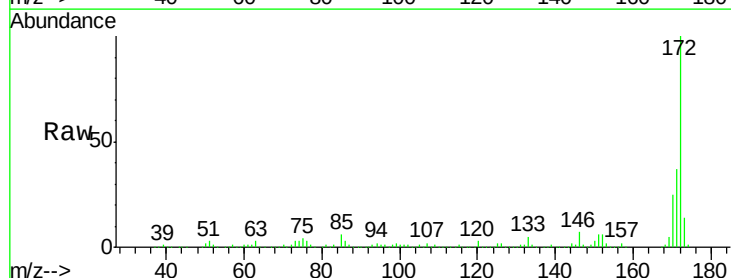


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

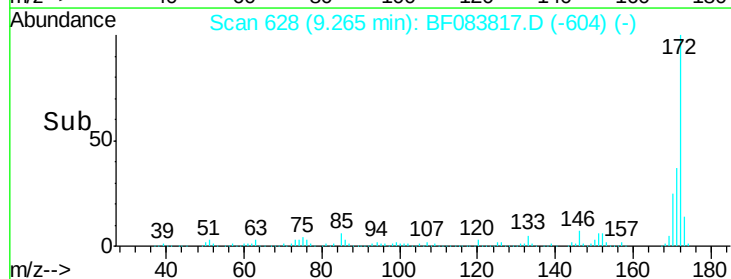
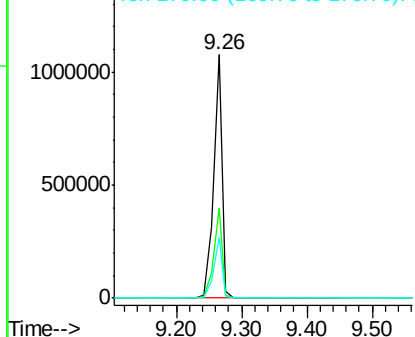


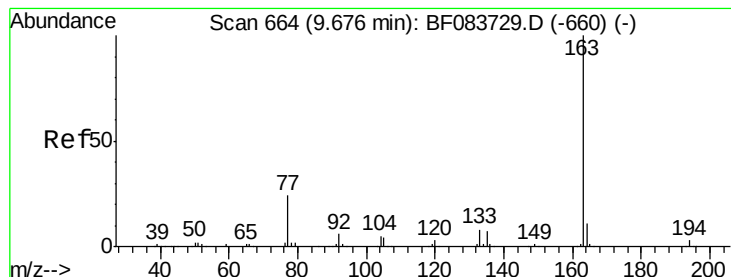
#44
 2-Fluorobiphenyl
 Concen: 73.39 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Tgt Ion:172 Resp: 995470
 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

Instrument :

BNA_F

ClientSampleId :

K205-0-2

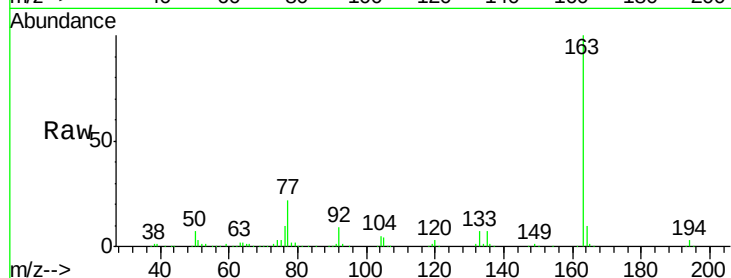
Tgt Ion:163 Resp: 250536

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

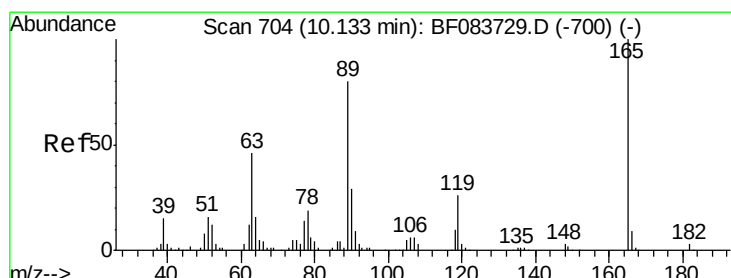
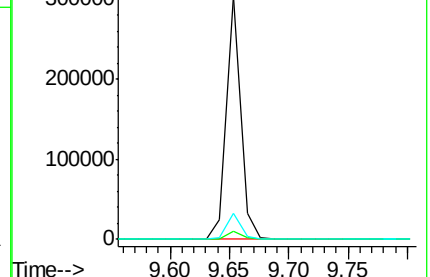
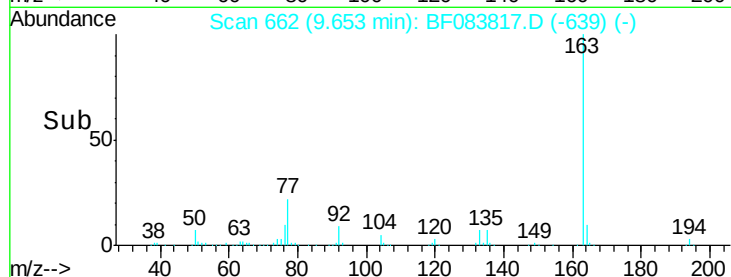
164 10.4 8.6 13.0



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



#56

2,4-Dinitrotoluene

Concen: 6.10 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.20 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Tgt Ion:165 Resp: 25173

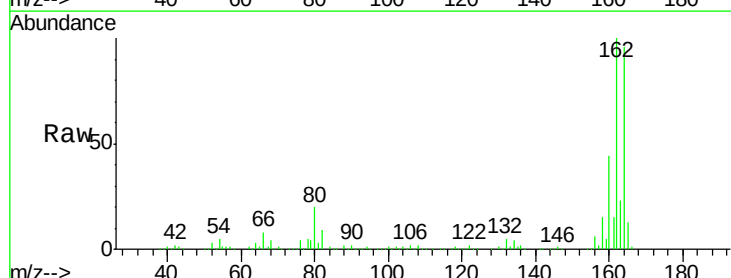
Ion Ratio Lower Upper

165 100

63 1.3 51.4 77.2#

89 1.4 72.6 108.8#

182 0.0 1.4 2.0#

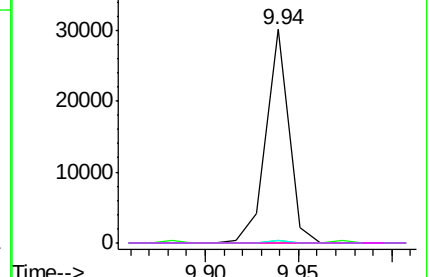
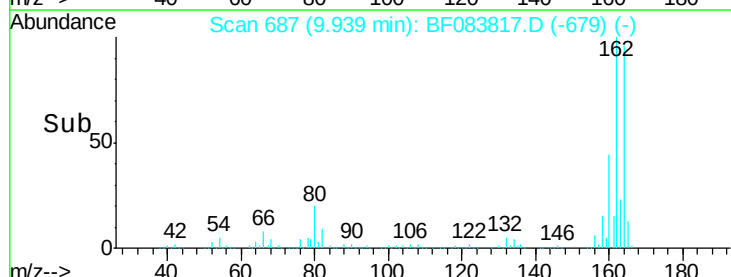


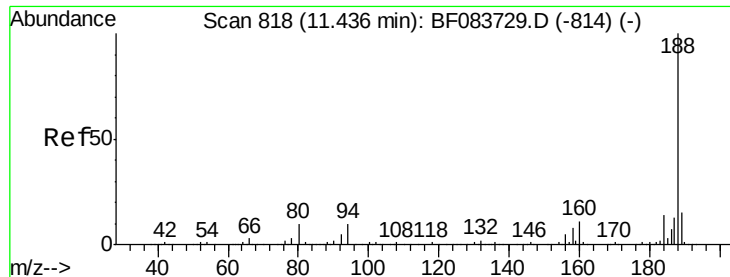
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

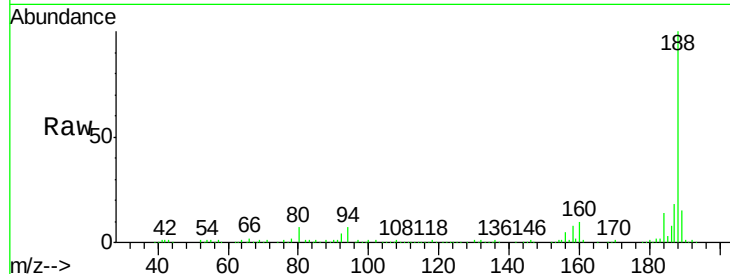




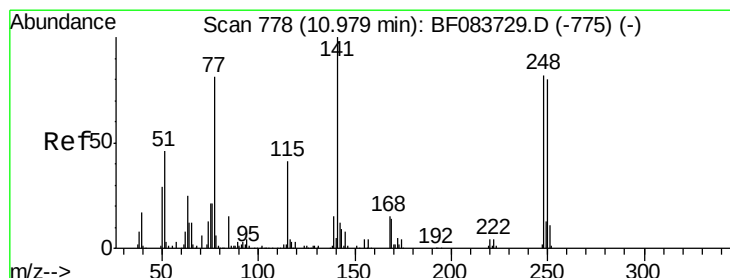
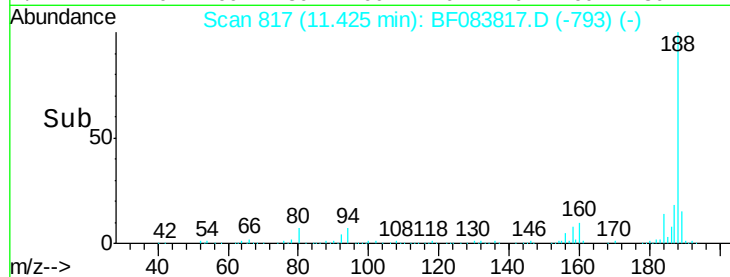
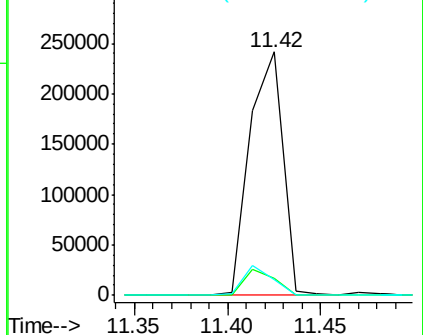
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampleId :
K205-0-2

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

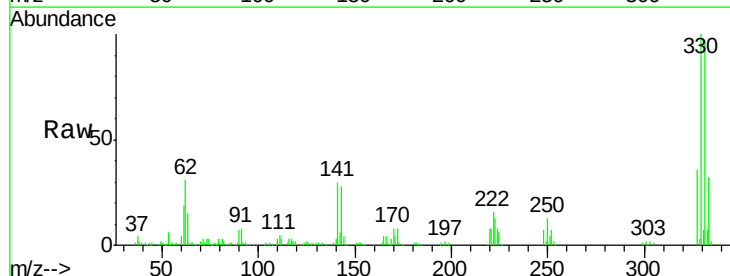


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

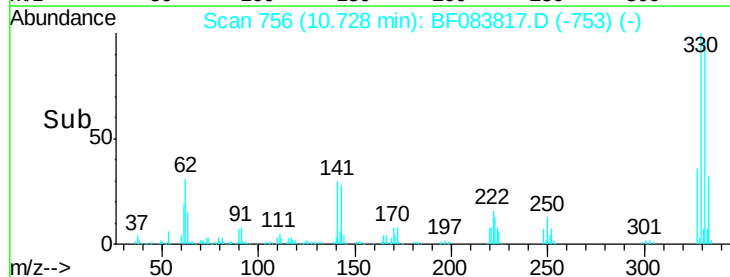
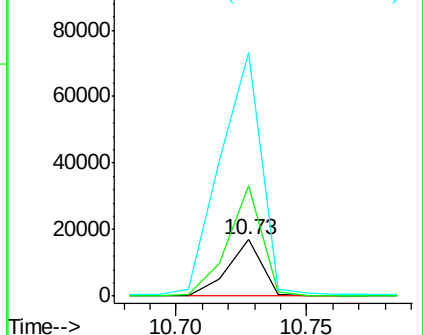


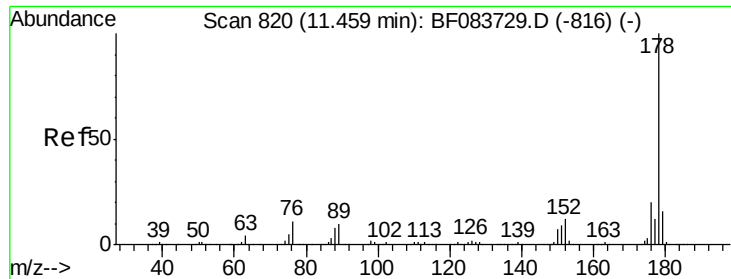
#66
4-Bromophenyl-phenylether
Concen: 4.64 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.26 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:248 Resp: 15444
Ion Ratio Lower Upper
248 100
250 196.5 79.2 118.8#
141 433.2 58.2 87.4#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

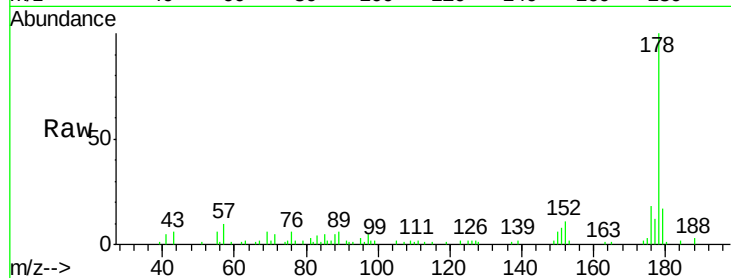




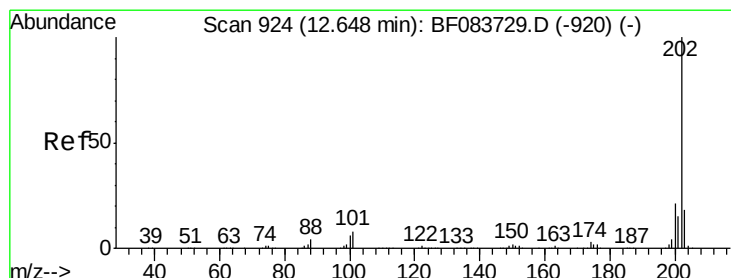
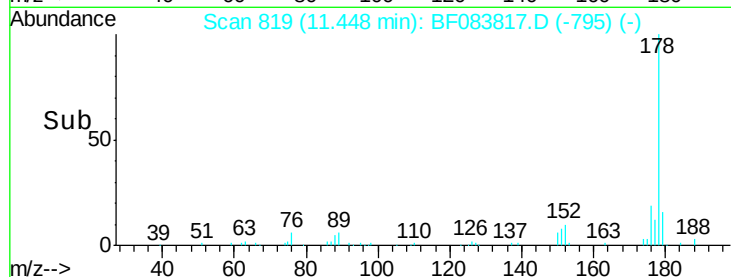
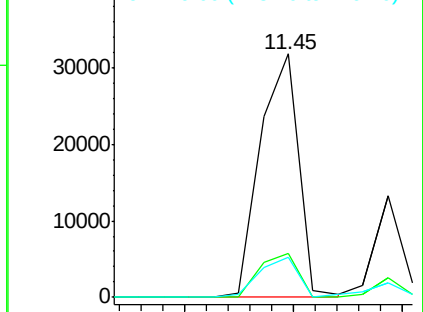
#70
Phenanthrene
Concen: 2.48 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Instrument :
BNA_F
ClientSampleId :
K205-0-2

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

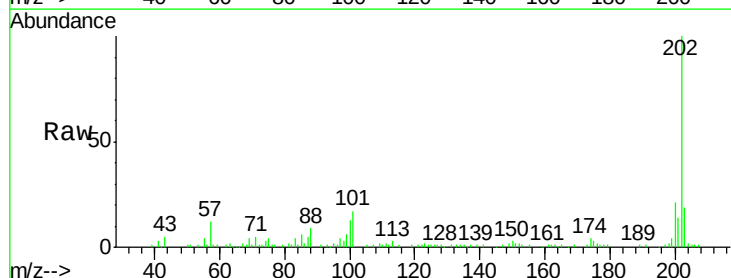


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

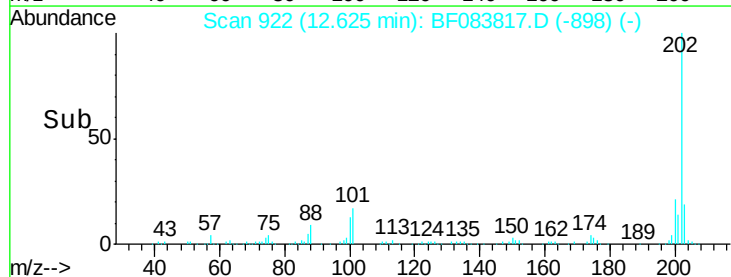
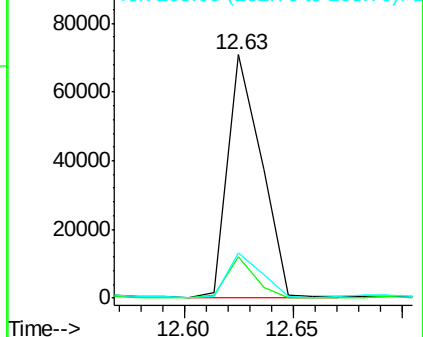


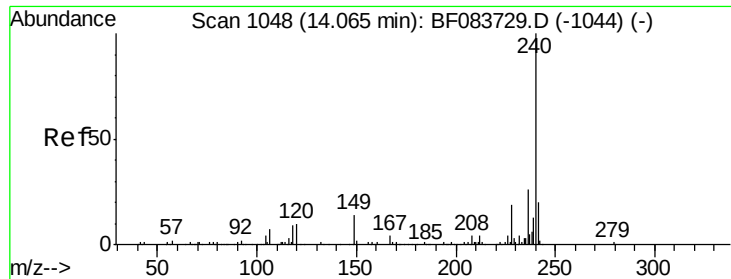
#74
Fluoranthene
Concen: 4.68 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion:202 Resp: 76529
Ion Ratio Lower Upper
202 100
101 17.0 0.0 31.5
203 18.6 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: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

BNA_F

ClientSampleId :

K205-0-2

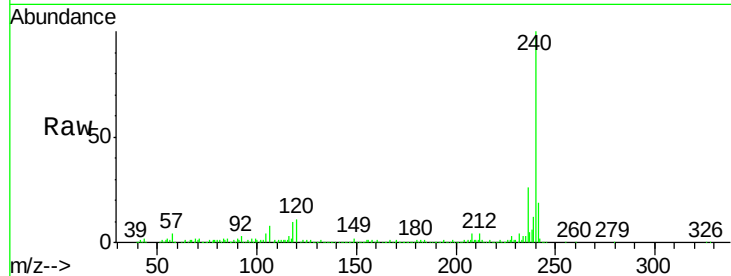
Tgt Ion:240 Resp: 237791

Ion Ratio Lower Upper

240 100

120 10.8 8.1 12.1

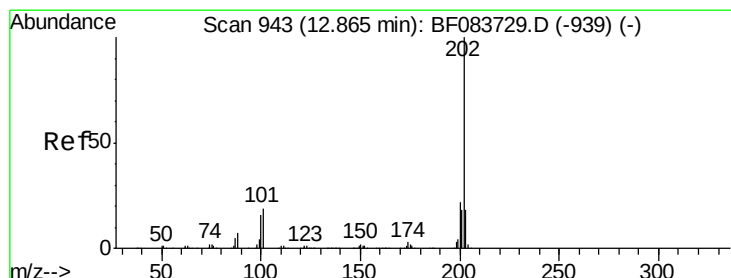
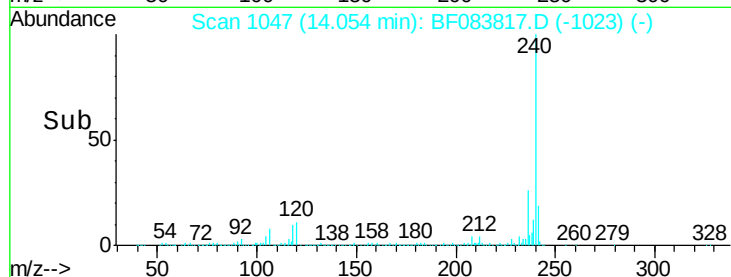
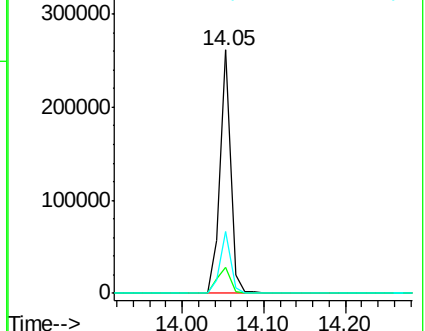
236 25.5 20.8 31.2



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: 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

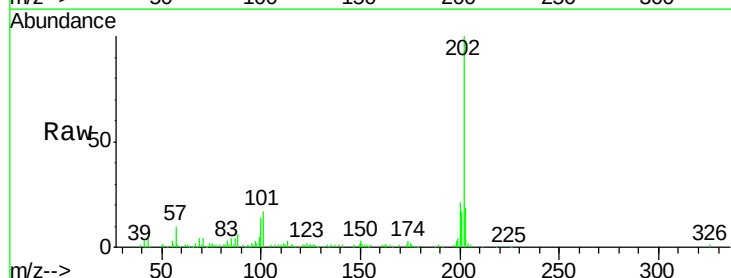
Tgt Ion:202 Resp: 87763

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

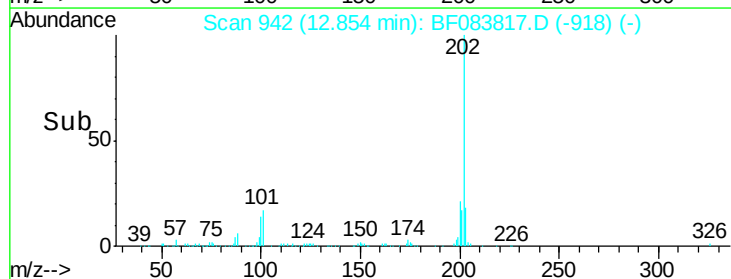
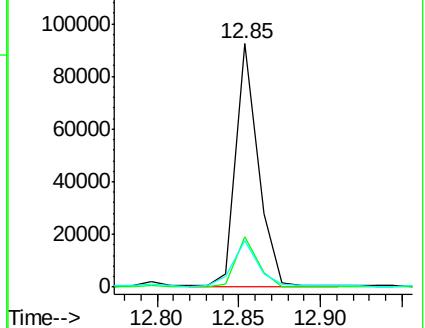
203 18.9 14.3 21.5

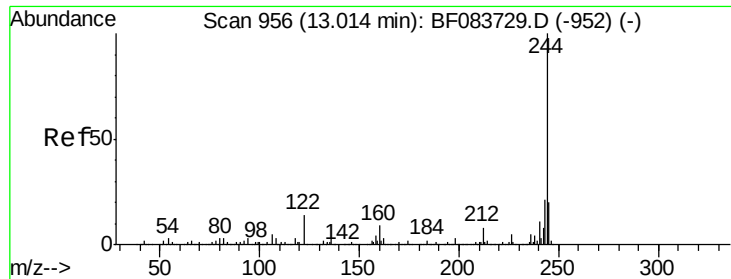


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

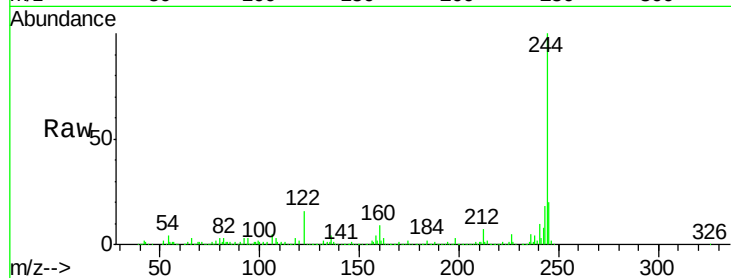




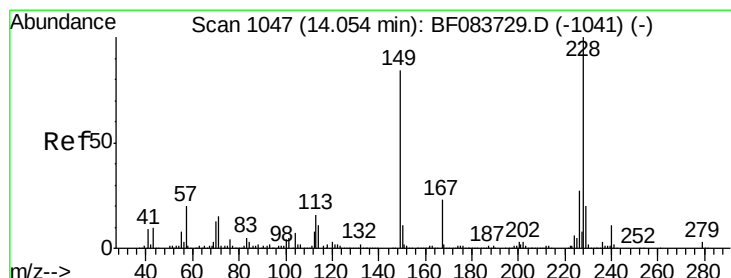
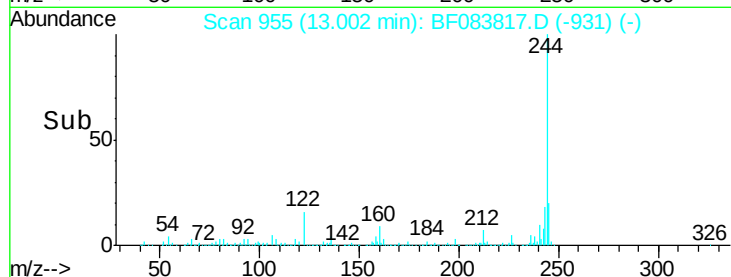
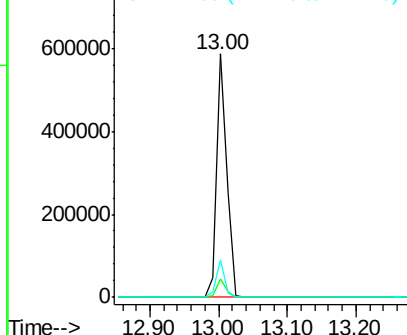
#78
 Terphenyl-d14
 Concen: 55.56 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Instrument :
 BNA_F
 ClientSampleId :
 K205-0-2

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

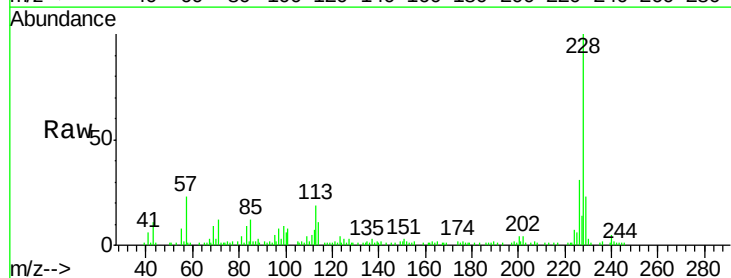


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

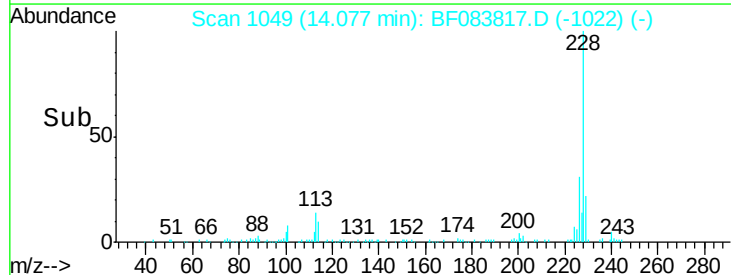
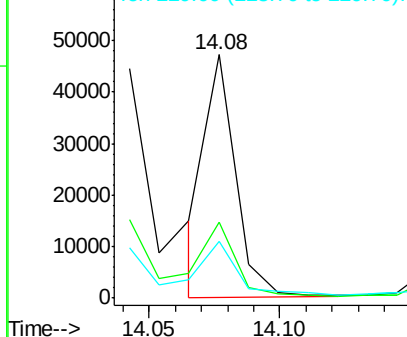


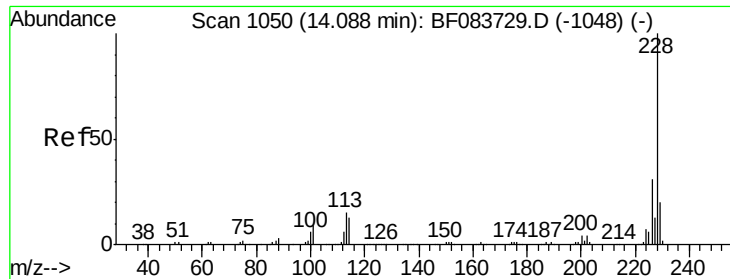
#80
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

Tgt Ion:228 Resp: 37665
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.3 33.5
 229 23.5 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: 2.86 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF083817.D

Acq: 15 Dec 2015 14:39

Instrument :

BNA_F

ClientSampleId :

K205-0-2

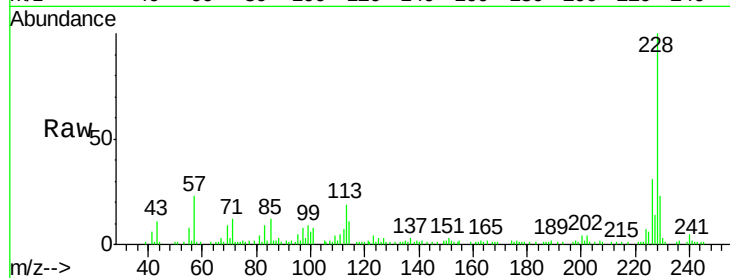
Tgt Ion:228 Resp: 37665

Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

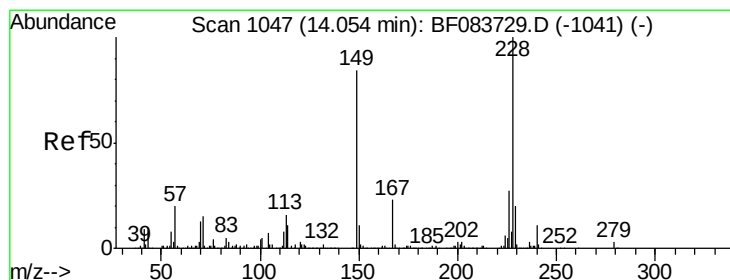
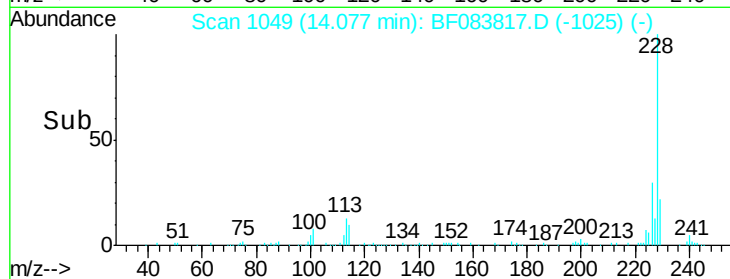
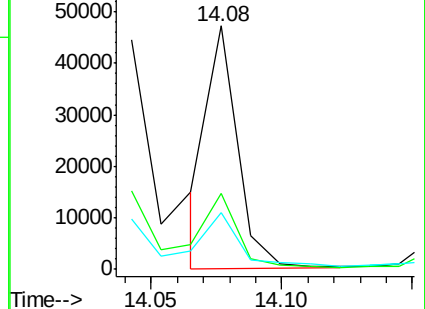
229 23.5 16.3 24.5



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: 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

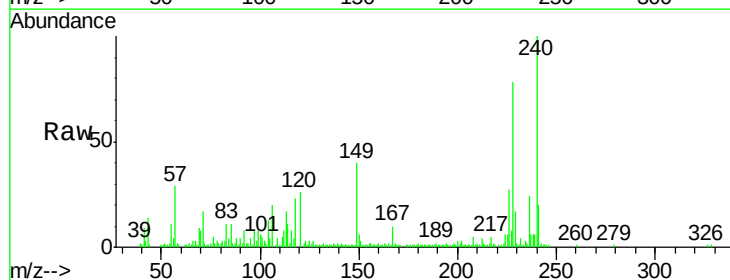
Tgt Ion:149 Resp: 19640

Ion Ratio Lower Upper

149 100

167 25.0 21.8 32.8

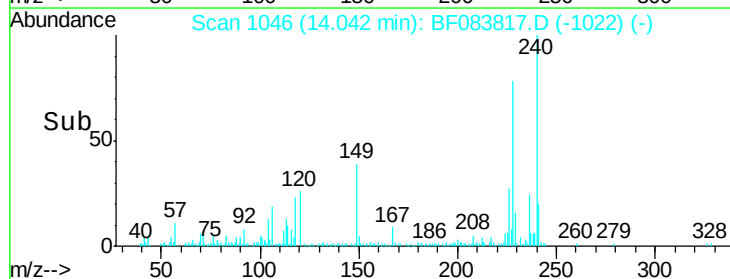
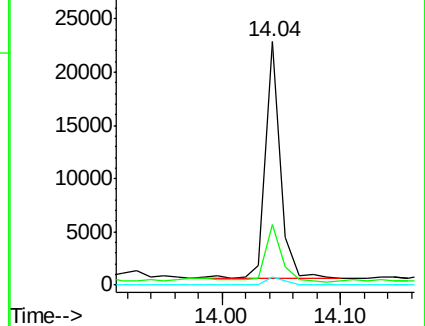
279 3.2 3.0 4.4

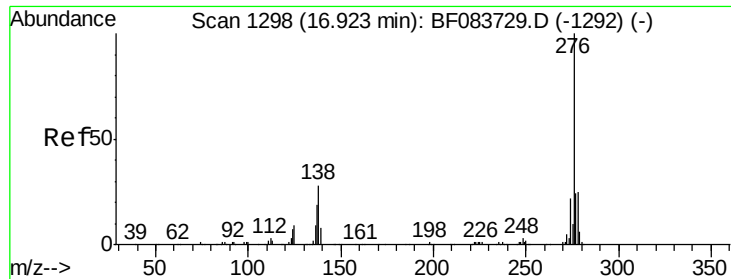


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

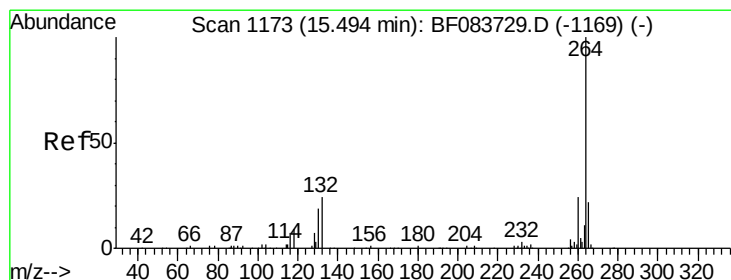
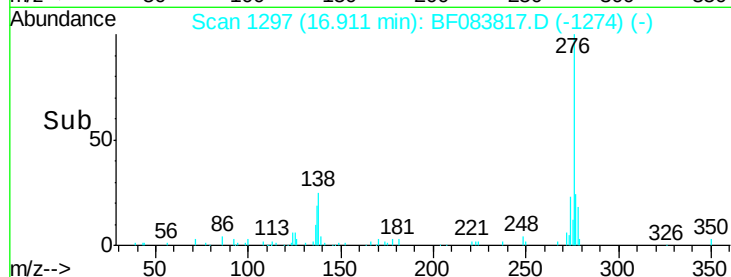
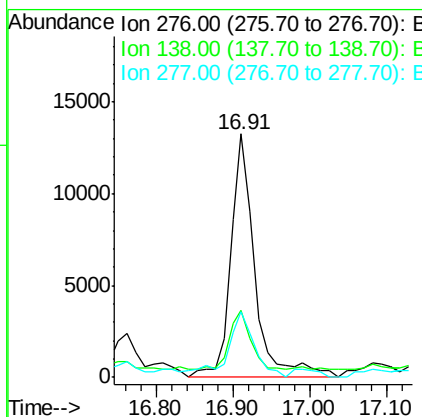
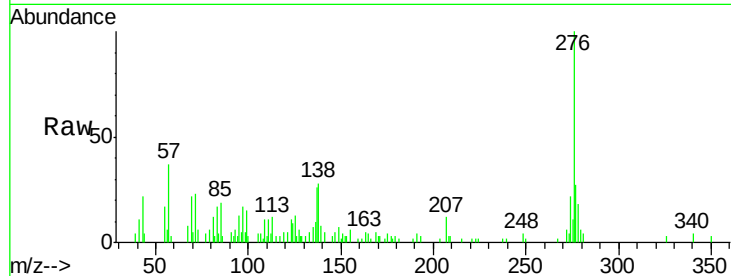




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.26 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.03 min
 Lab File: BF083817.D
 Acq: 15 Dec 2015 14:39

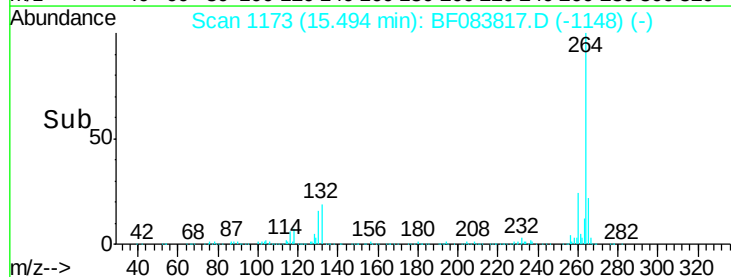
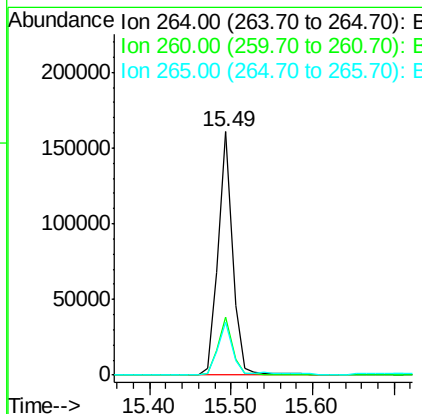
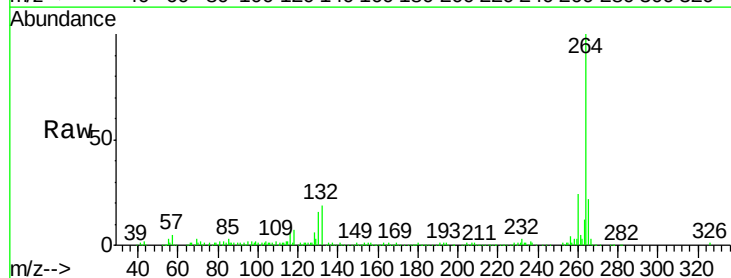
Instrument :
 BNA_F
 ClientSampleId :
 K205-0-2

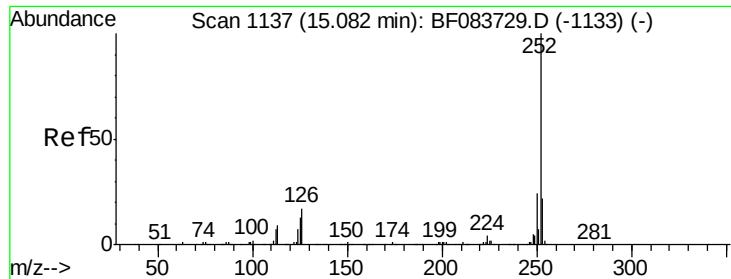
Tgt Ion: 276 Resp: 29255
 Ion Ratio Lower Upper
 276 100
 138 21.6 0.0 0.0#
 277 30.4 0.0 0.0#



#86
 Perylene-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

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

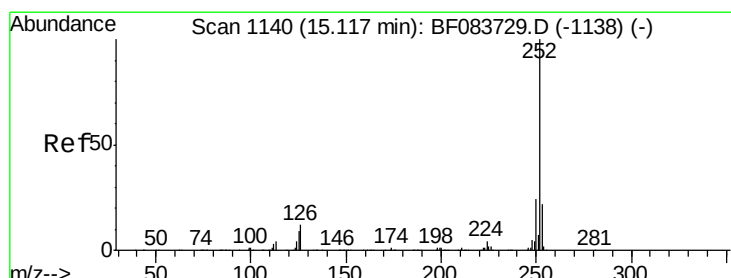
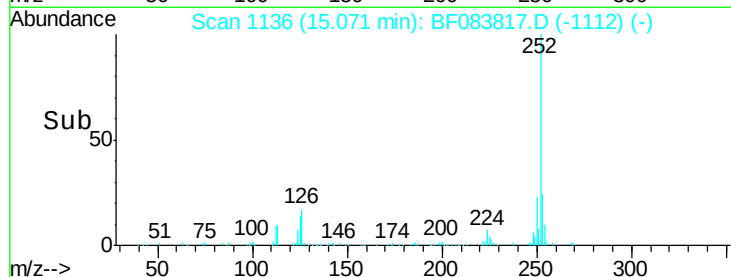
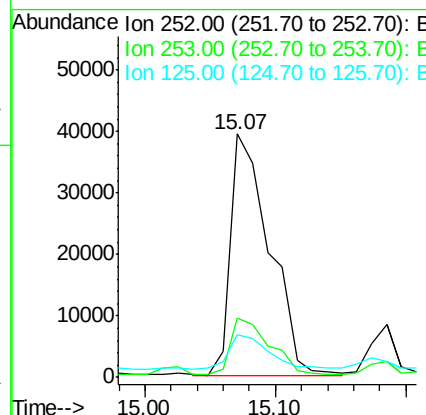
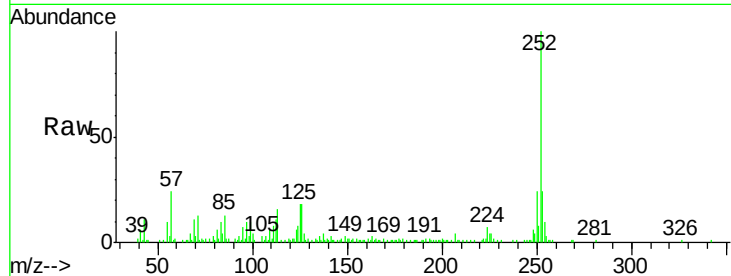




#87
Benzo(b)fluoranthene
Concen: 6.44 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

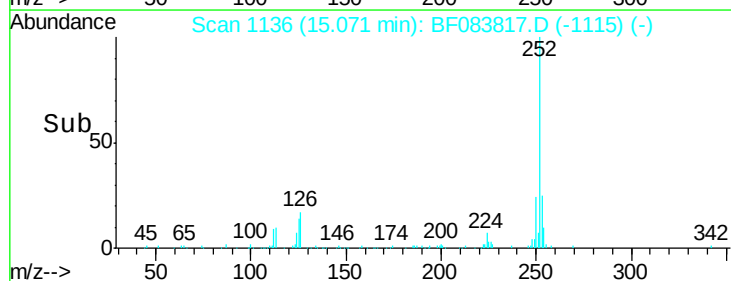
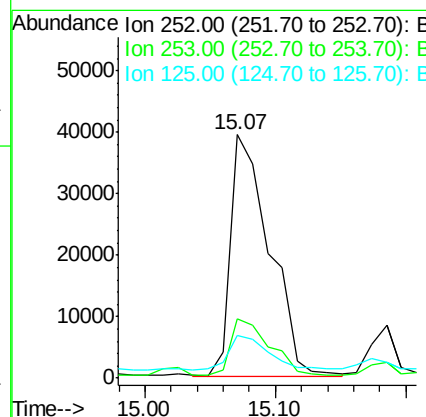
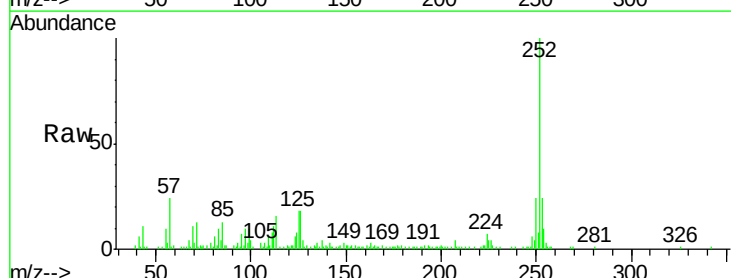
Instrument :
BNA_F
ClientSampled :
K205-0-2

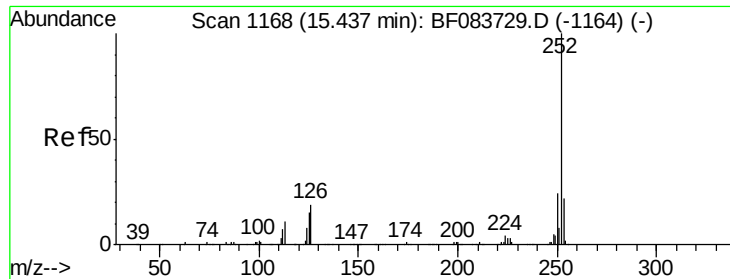
Tgt Ion: 252 Resp: 82438
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.4
125 17.6 8.2 12.4#



#88
Benzo(k)fluoranthene
Concen: 7.13 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BF083817.D
Acq: 15 Dec 2015 14:39

Tgt Ion: 252 Resp: 82630
Ion Ratio Lower Upper
252 100
253 24.3 18.6 27.8
125 17.6 11.5 17.3#





#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

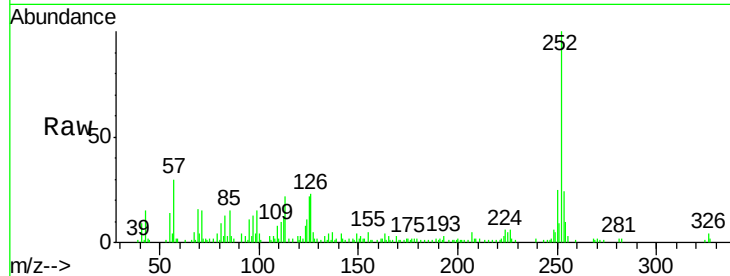
Tgt Ion:252 Resp: 40140

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

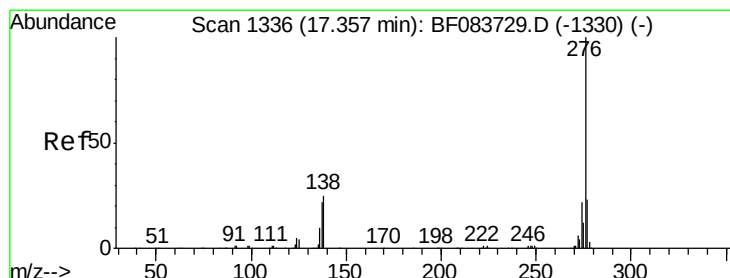
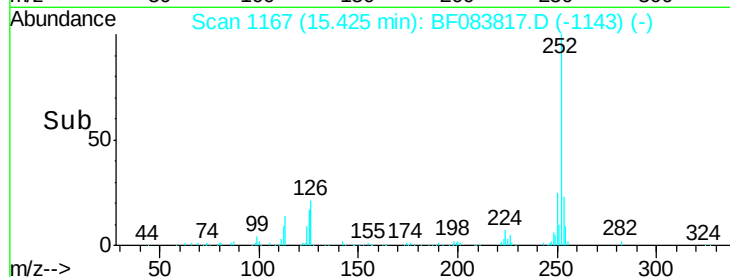
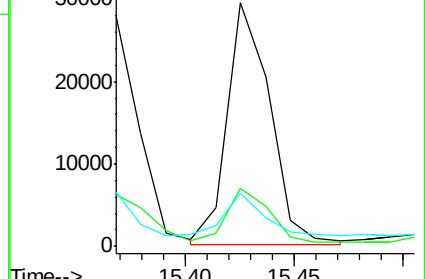
125 21.8 11.0 16.6#



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

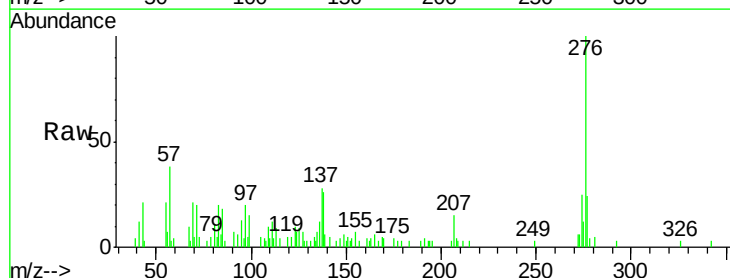
Tgt Ion:276 Resp: 29664

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

