

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110815\
 Data File : BF082825.D
 Acq On : 8 Nov 2015 6:29
 Operator : UM/IZ
 Sample : G4261-08RE
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-2RE

Quant Time: Nov 09 00:13:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	251042	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	867004	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	452966	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	687734	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	545609	20.00	ng	-0.01
86) Perylene-d12	15.44	264	496153	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1188637	73.67	ng	0.01
7) Phenol-d6	6.49	99	1548852	72.21	ng	0.01
23) Nitrobenzene-d5	7.41	82	1190000	59.72	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	363544	70.00	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1553050	49.14	ng	0.00
78) Terphenyl-d14	12.96	244	853751	37.11	ng	-0.01

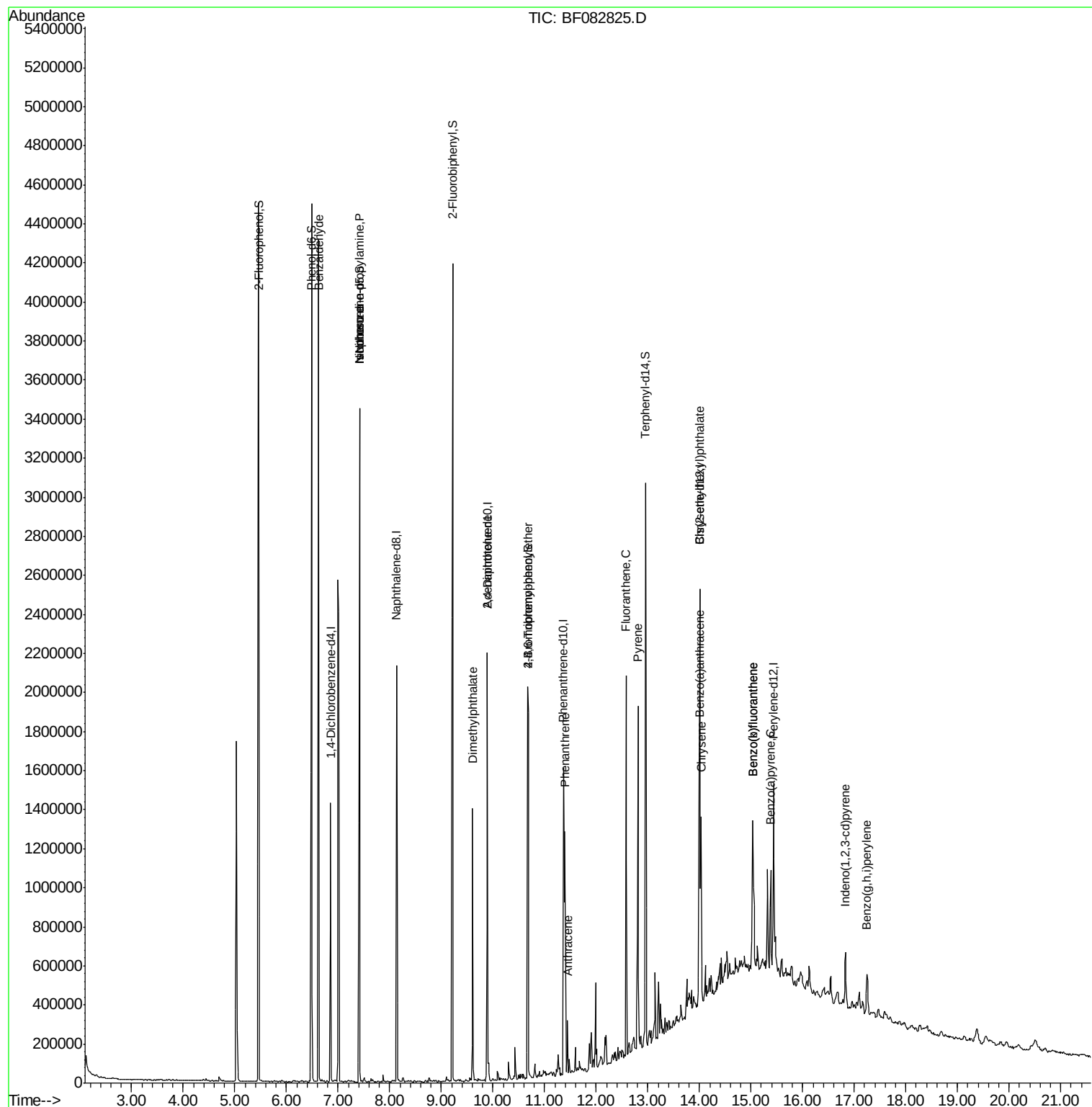
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	37847	3.19	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	166390	10.55	ng	# 69
25) Isophorone	7.41	82	1166306	31.63	ng	# 69
49) Dimethylphthalate	9.61	163	491841	13.25	ng	98
56) 2,4-Dinitrotoluene	9.89	165	58528	5.45	ng	# 15
66) 4-Bromophenyl-phenylether	10.68	248	22837	2.76	ng	# 1
70) Phenanthrene	11.39	178	580318	14.53	ng	97
71) Anthracene	11.45	178	114597	2.72	ng	99
74) Fluoranthene	12.58	202	922349	21.52	ng	97
77) Pyrene	12.81	202	714177	19.06	ng	97
80) Benzo(a)anthracene	14.00	228	277025	8.12	ng	99
82) Chrysene	14.03	228	420799	13.47	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	113795	5.02	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.83	276	184292	6.85	ng	95
87) Benzo(b)fluoranthene	15.04	252	666371	20.92	ng	# 97
88) Benzo(k)fluoranthene	15.04	252	666371	23.59	ng	# 97
89) Benzo(a)pyrene	15.38	252	271972	9.86	ng	95
91) Benzo(g,h,i)perylene	17.24	276	179885	8.04	ng	# 95

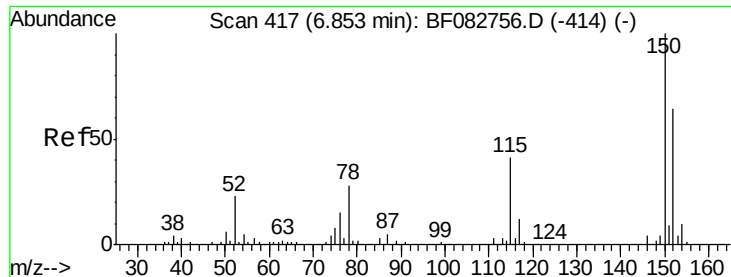
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

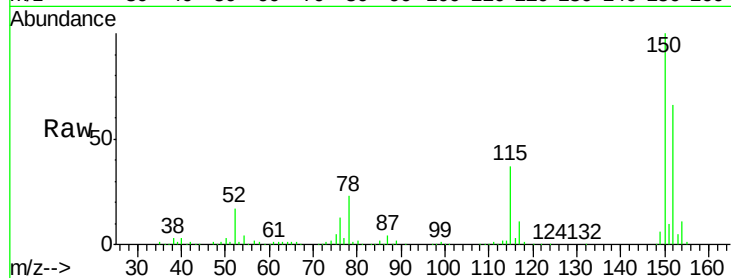
Tgt Ion:152 Resp: 251042

Ion Ratio Lower Upper

152 100

150 152.3 127.0 190.4

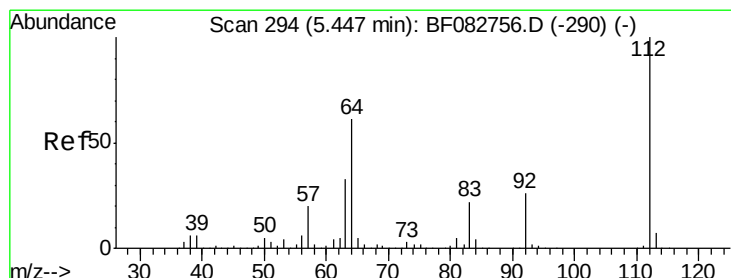
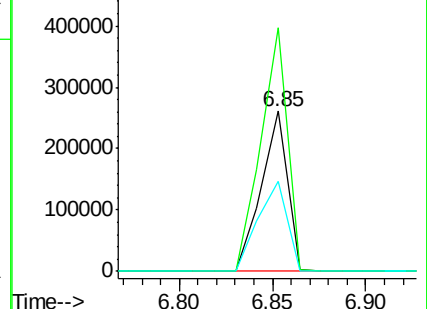
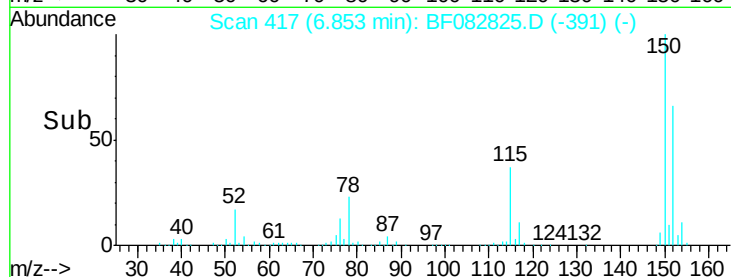
115 56.4 47.0 70.6



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: 73.67 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

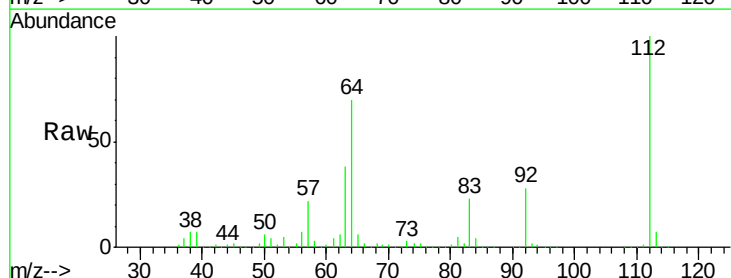
Tgt Ion:112 Resp: 1188637

Ion Ratio Lower Upper

112 100

64 70.4 48.9 73.3

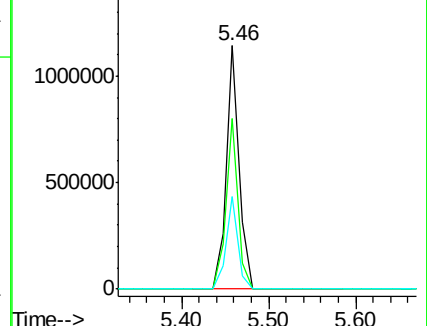
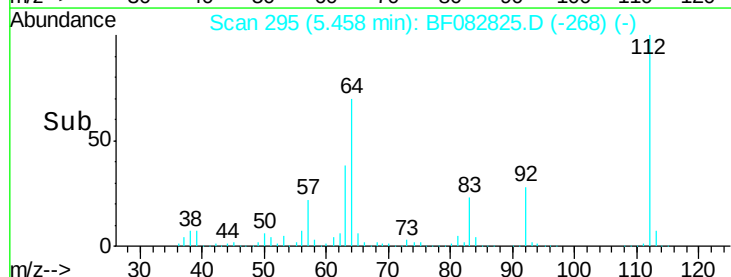
63 38.1 28.1 42.1

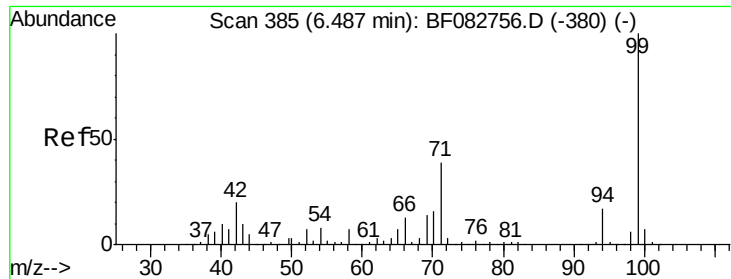


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 72.21 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

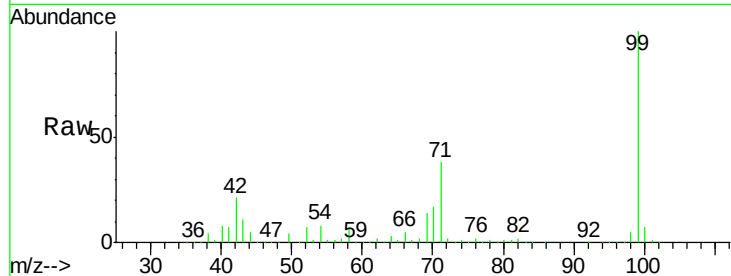
Tgt Ion: 99 Resp: 1548852

Ion Ratio Lower Upper

99 100

42 21.2 19.2 28.8

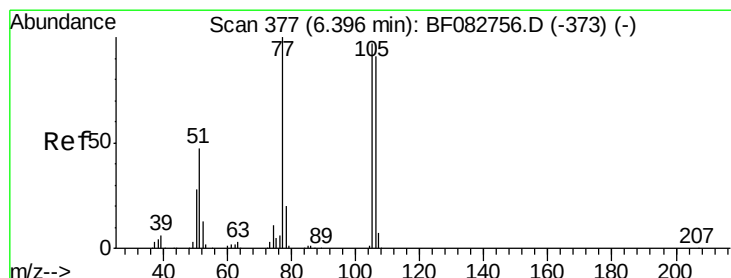
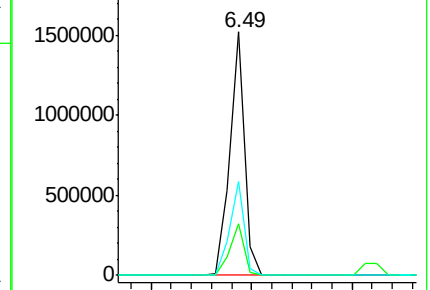
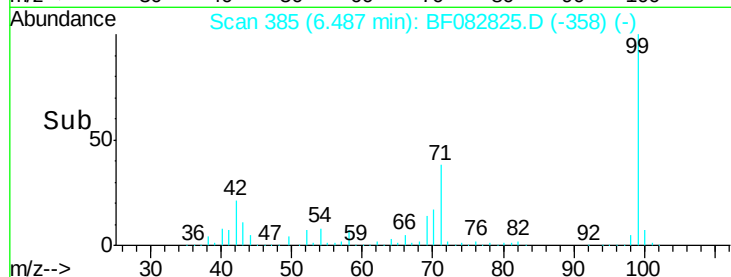
71 38.5 35.0 52.4



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: 3.19 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.23 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

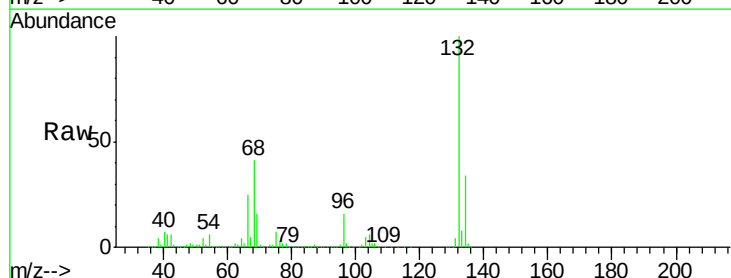
Tgt Ion: 77 Resp: 37847

Ion Ratio Lower Upper

77 100

105 80.1 63.5 103.5

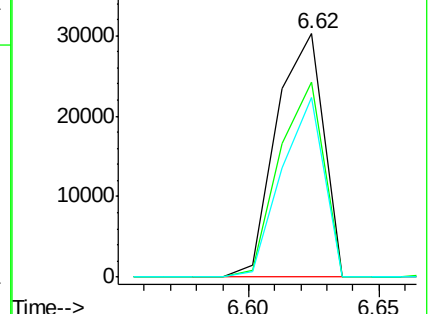
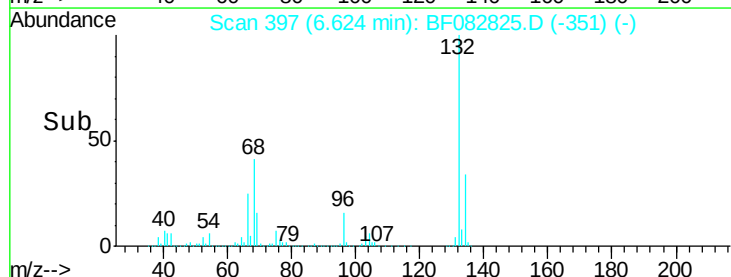
106 73.8 59.3 99.3

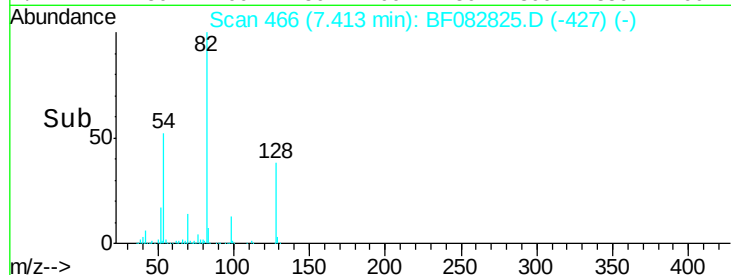
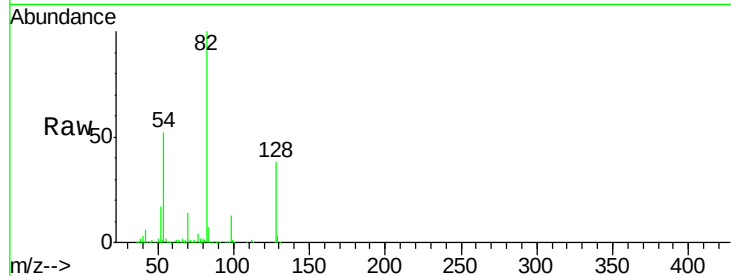
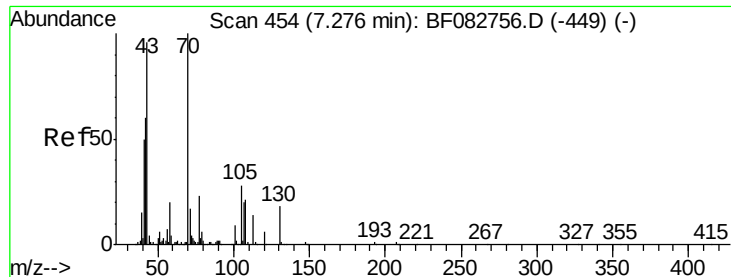


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

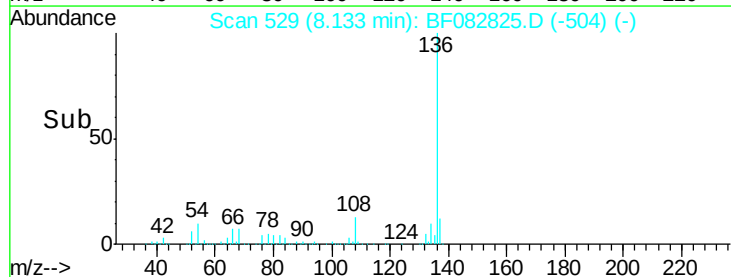
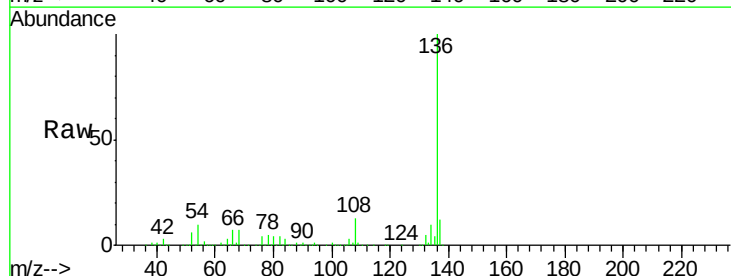
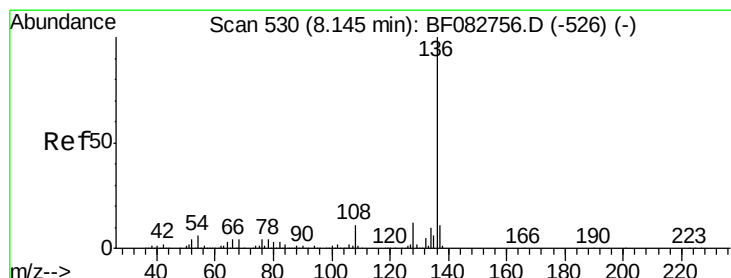
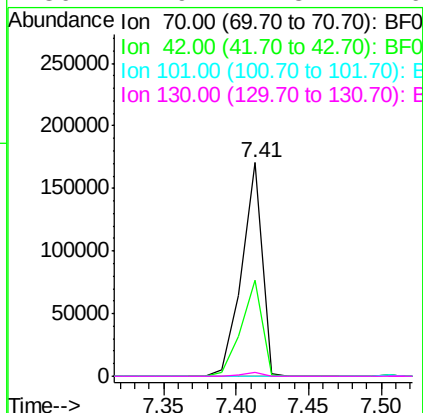




#19
n-Nitroso-di-n-propylamine
Concen: 10.55 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.15 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

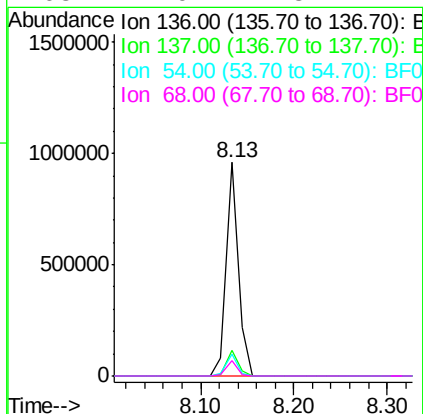
Instrument :
BNA_F
ClientSampleID :
DW-2RE

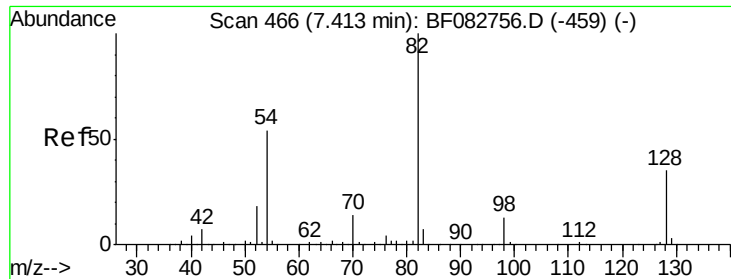
Tgt Ion:	70	Resp:	166390
Ion	Ratio	Lower	Upper
70	100		
42	45.1	57.7	86.5#
101	0.0	7.0	10.6#
130	1.9	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF082825.D
Acq: 8 Nov 2015 6:29

Tgt Ion:	136	Resp:	867004
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	10.4	9.1	13.7
68	7.0	4.8	7.2

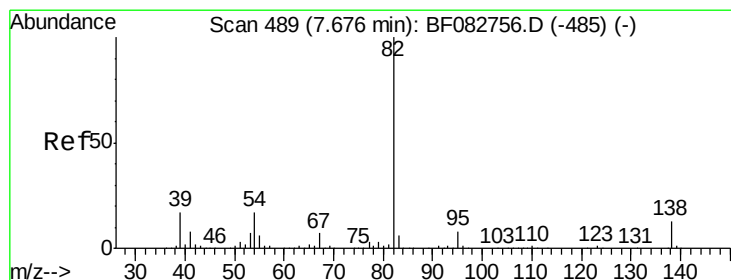
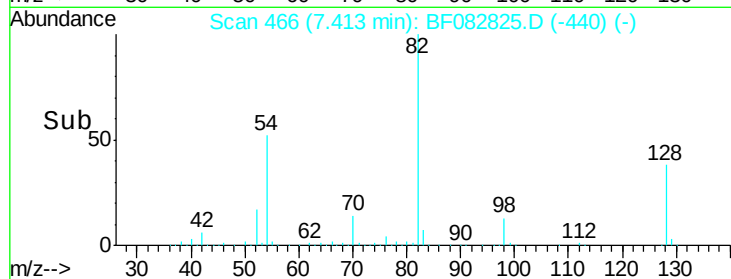
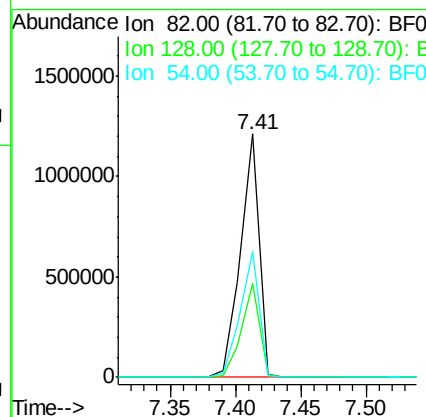
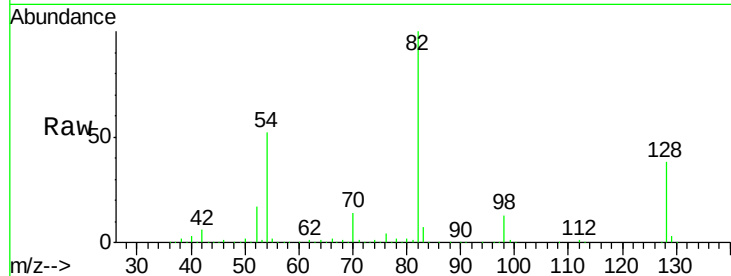




#23
 Nitrobenzene-d5
 Concen: 59.72 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

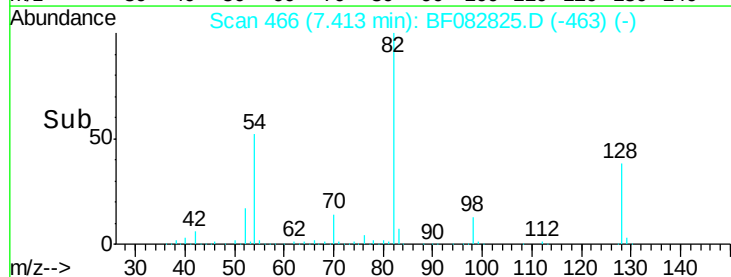
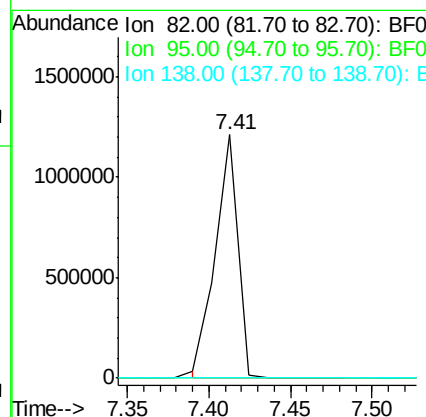
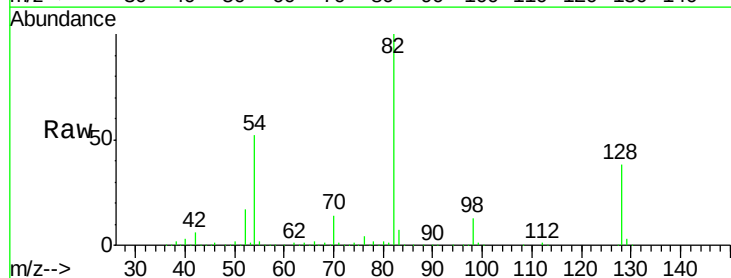
Instrument :
 BNA_F
 ClientSampleId :
 DW-2RE

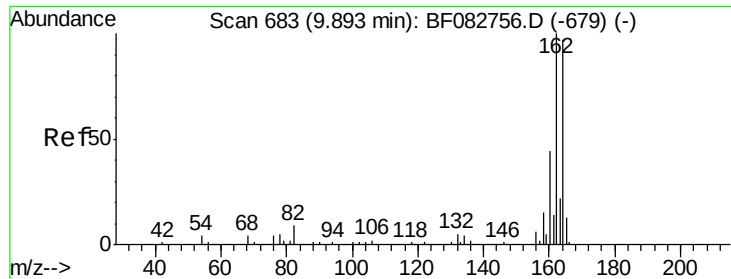
Tgt Ion: 82 Resp: 1190000
 Ion Ratio Lower Upper
 82 100
 128 38.4 26.8 40.2
 54 51.5 45.7 68.5



#25
 Isophorone
 Concen: 31.63 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.26 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion: 82 Resp: 1166306
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 9.8#
 138 0.0 11.4 17.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

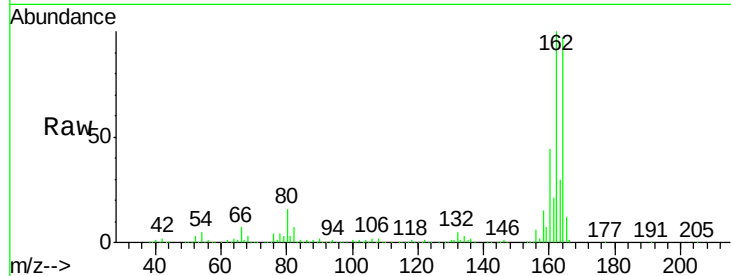
Tgt Ion:164 Resp: 452966

Ion Ratio Lower Upper

164 100

162 102.7 84.9 127.3

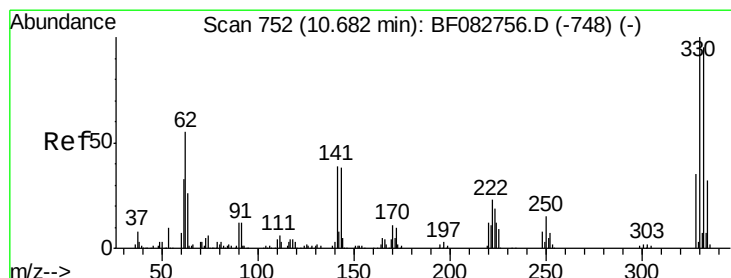
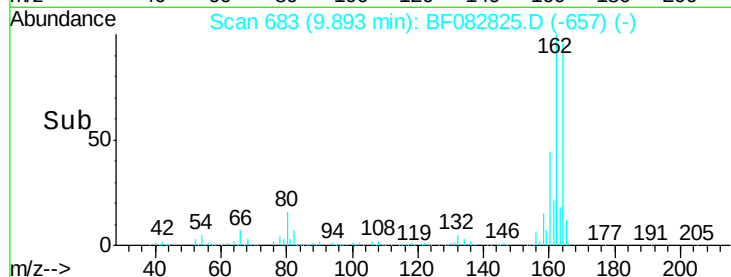
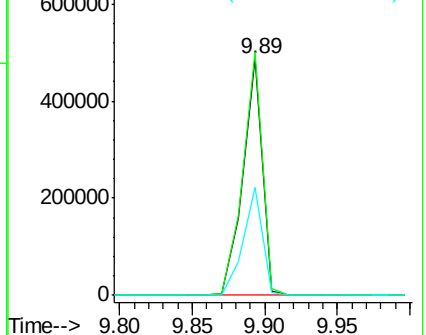
160 45.3 37.5 56.3



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: 70.00 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

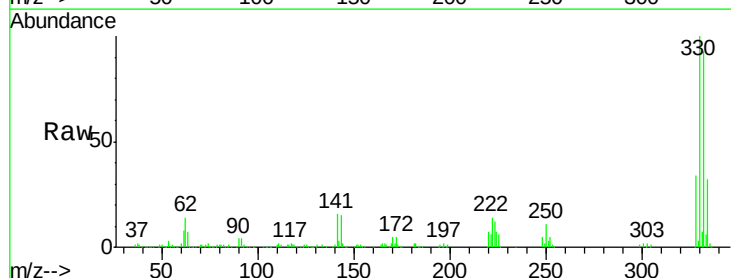
Tgt Ion:330 Resp: 363544

Ion Ratio Lower Upper

330 100

332 93.2 76.6 114.8

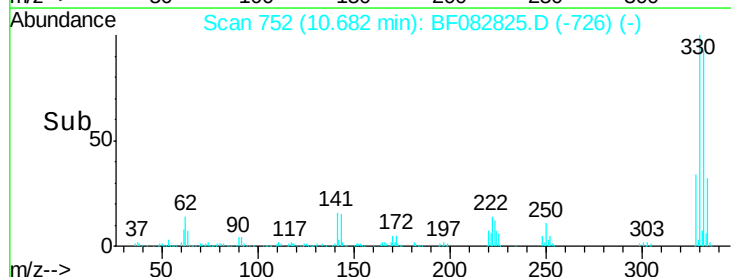
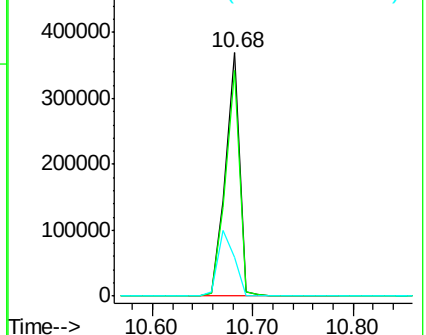
141 32.0 41.2 61.8#

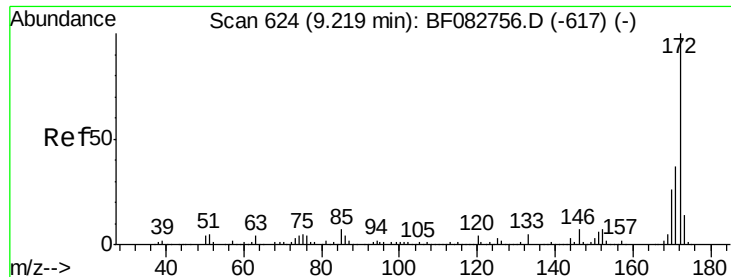


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

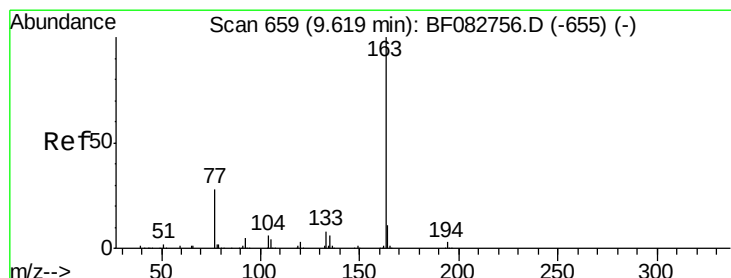
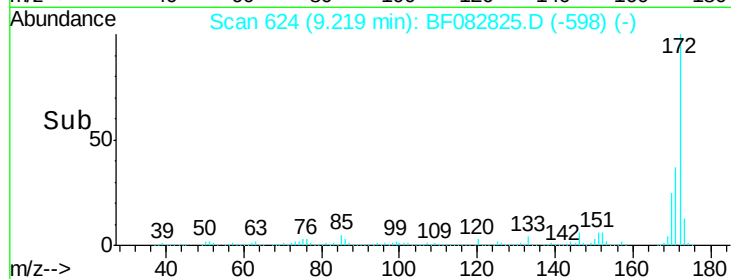
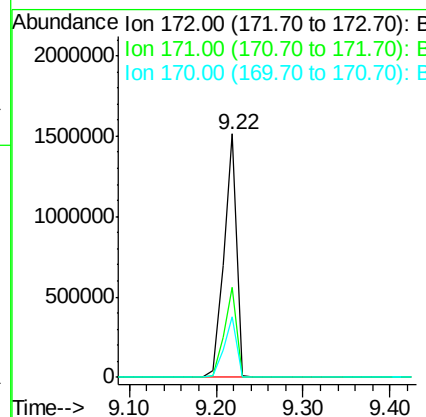
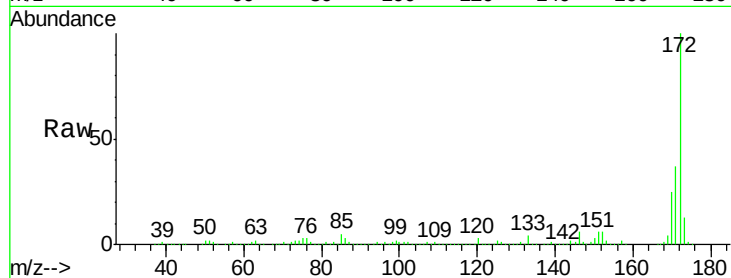




#44
 2-Fluorobiphenyl
 Concen: 49.14 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

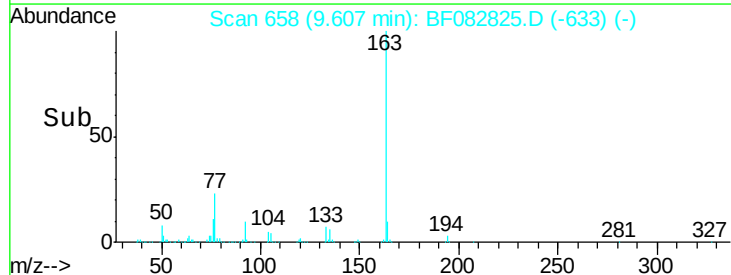
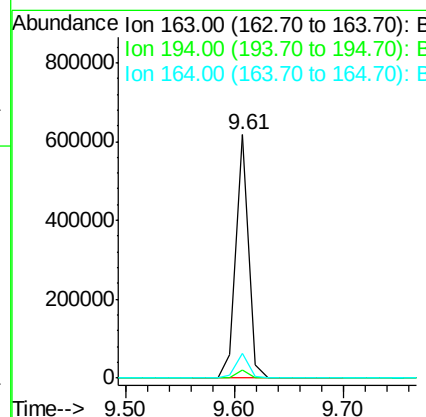
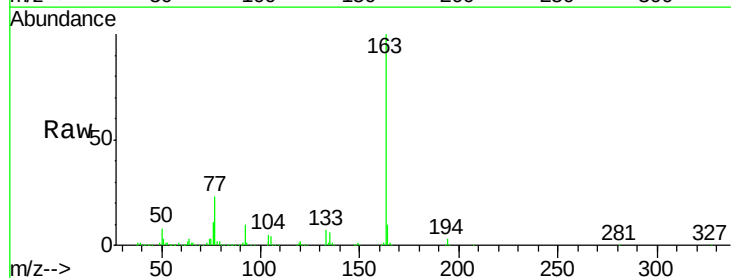
Instrument :
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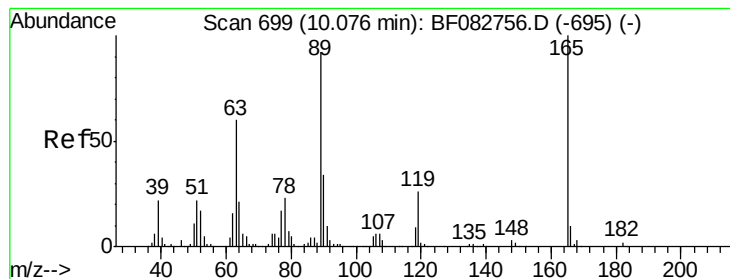
Tgt Ion:172 Resp: 1553050
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 25.1 21.2 31.8



#49
 Dimethylphthalate
 Concen: 13.25 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion:163 Resp: 491841
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 10.2 8.7 13.1





#56

2,4-Dinitrotoluene

Concen: 5.45 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.18 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

Tgt Ion:165 Resp: 58528

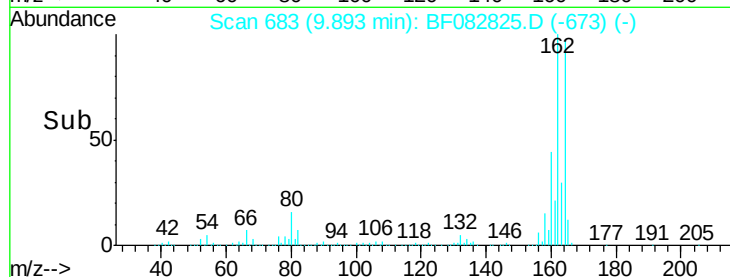
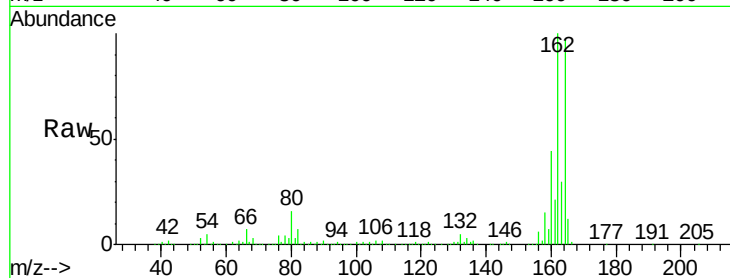
Ion Ratio Lower Upper

165 100

63 1.0 43.4 65.0#

89 2.0 70.6 106.0#

182 0.0 1.5 2.3#

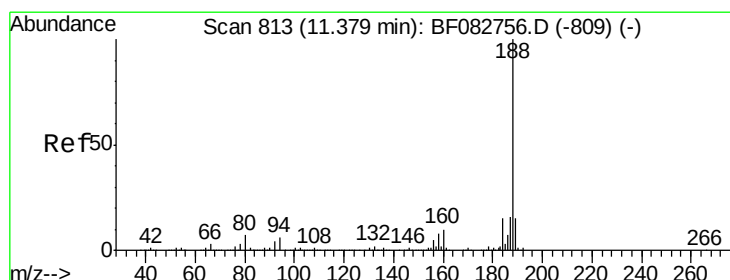
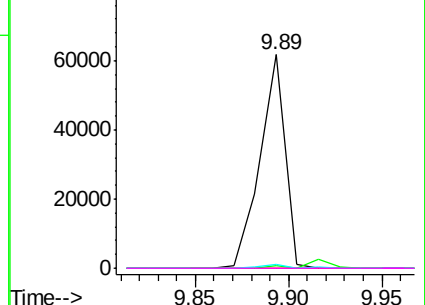


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

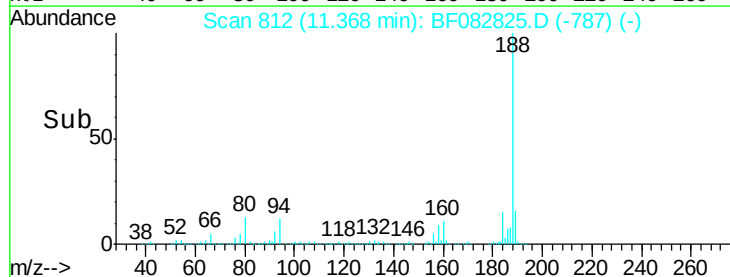
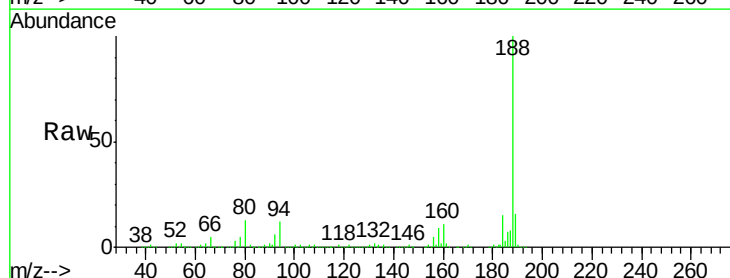
Tgt Ion:188 Resp: 687734

Ion Ratio Lower Upper

188 100

94 11.7 6.1 9.1#

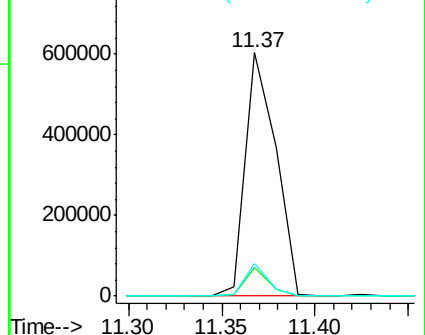
80 13.4 7.0 10.6#

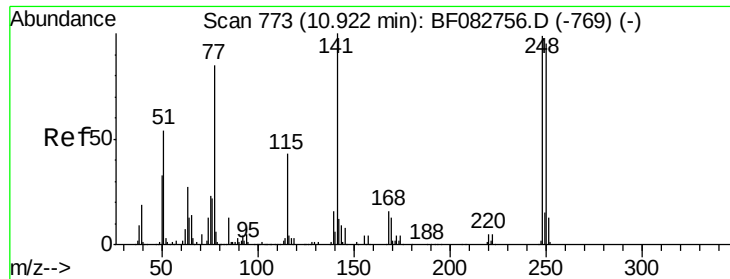


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

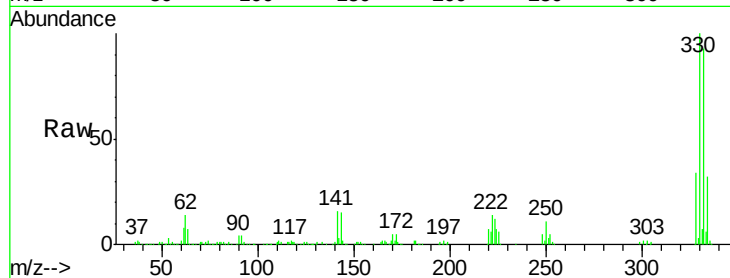




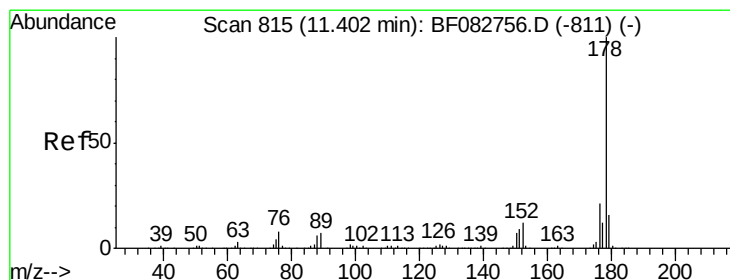
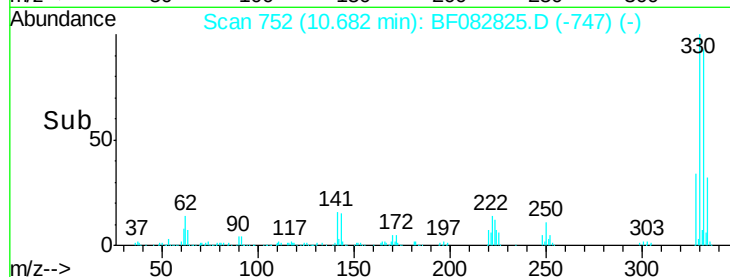
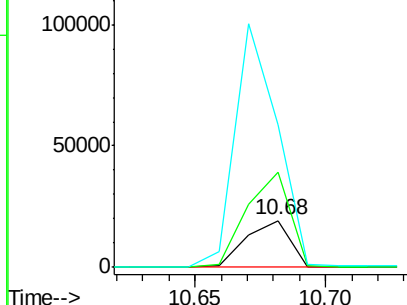
#66
 4-Bromophenyl-phenylether
 Concen: 2.76 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Instrument :
 BNA_F
 ClientSampleId :
 DW-2RE

Tgt Ion: 248 Resp: 22837
 Ion Ratio Lower Upper
 248 100
 250 201.8 79.4 119.2#
 141 302.4 36.3 54.5#

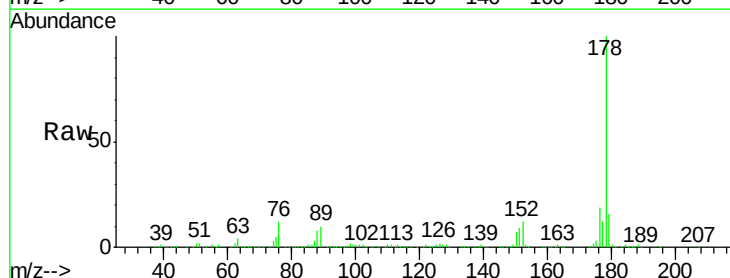


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

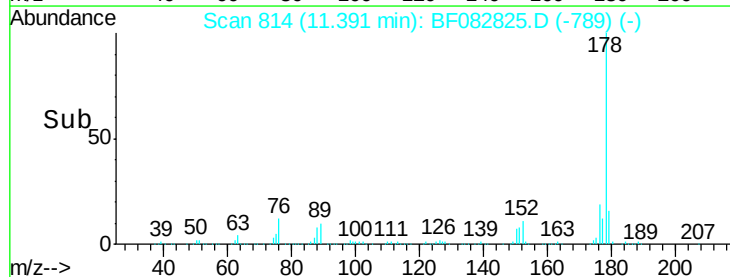
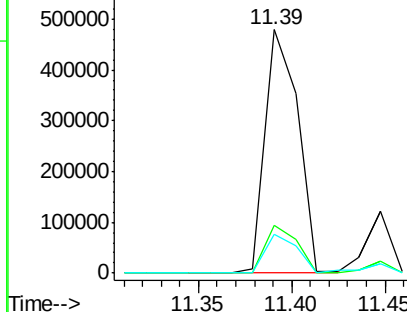


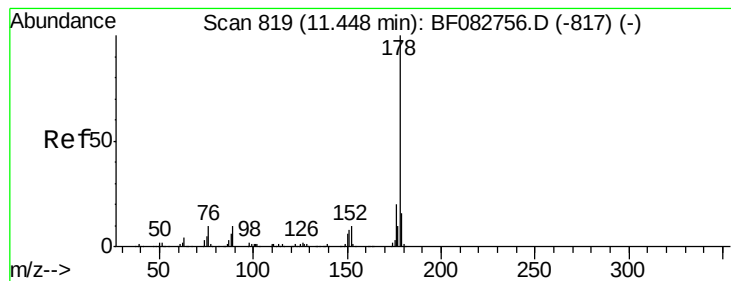
#70
 Phenanthrene
 Concen: 14.53 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion: 178 Resp: 580318
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.0 25.4
 179 15.8 13.4 20.0



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





#71

Anthracene

Concen: 2.72 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

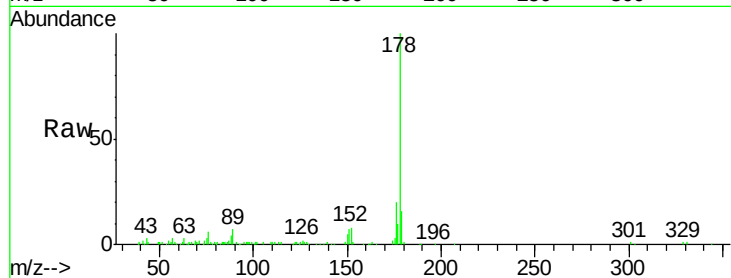
Tgt Ion:178 Resp: 114597

Ion Ratio Lower Upper

178 100

176 20.2 16.5 24.7

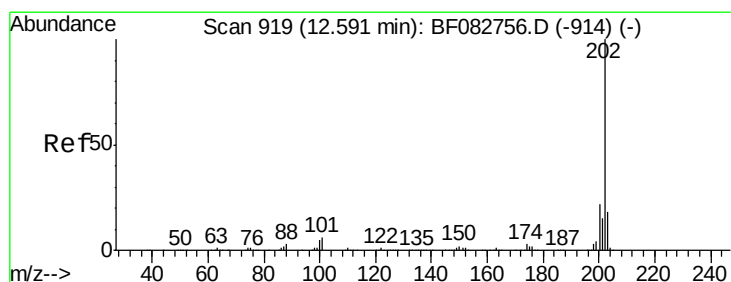
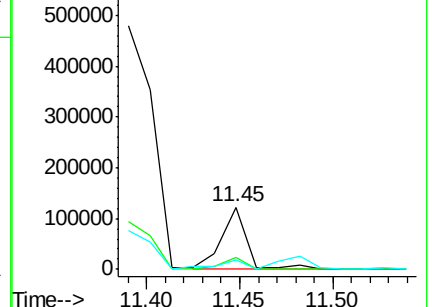
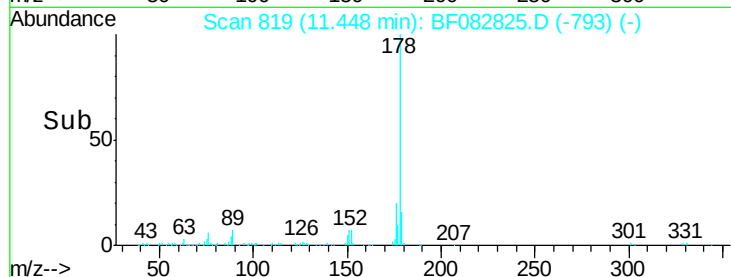
179 15.7 13.2 19.8



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



#74

Fluoranthene

Concen: 21.52 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

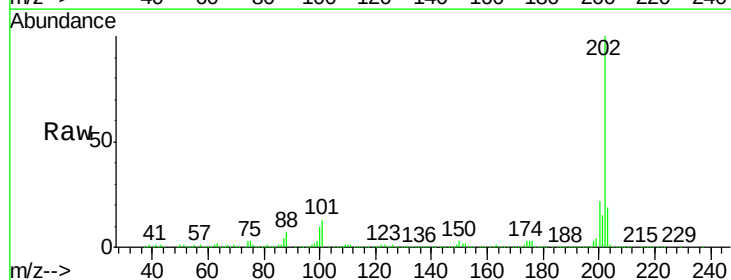
Tgt Ion:202 Resp: 922349

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.5

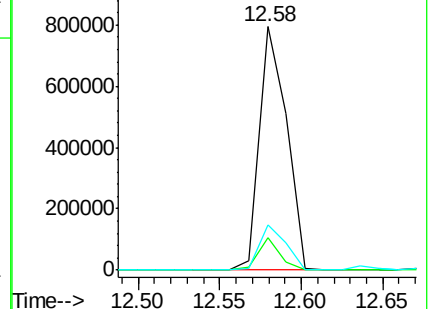
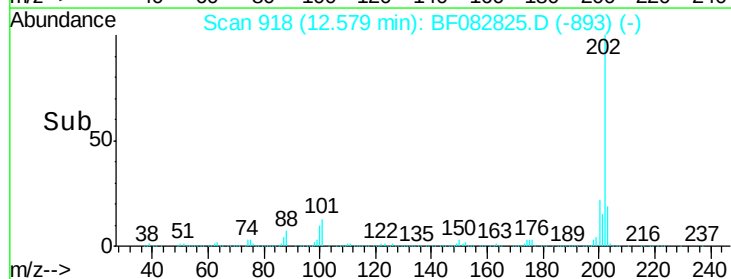
203 18.7 0.0 38.5

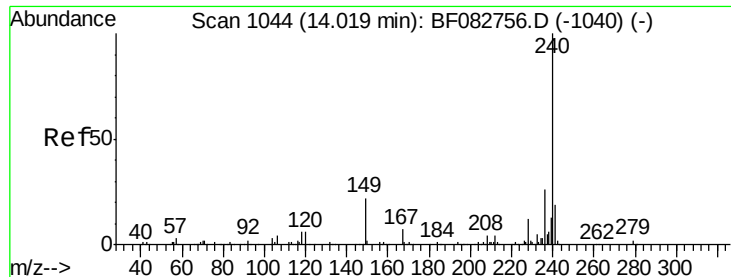


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

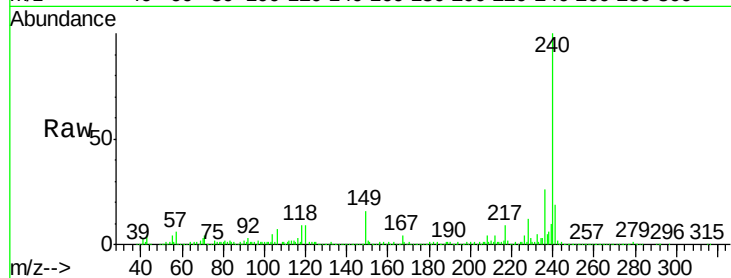
Tgt Ion:240 Resp: 545609

Ion Ratio Lower Upper

240 100

120 9.4 10.9 16.3#

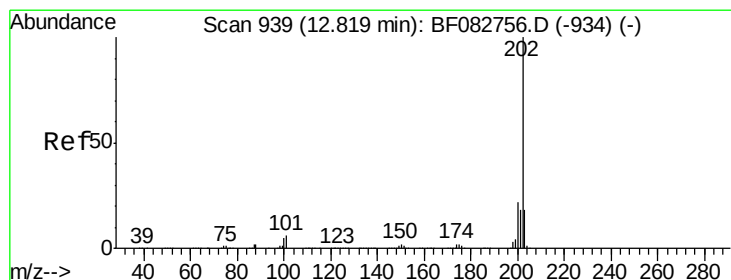
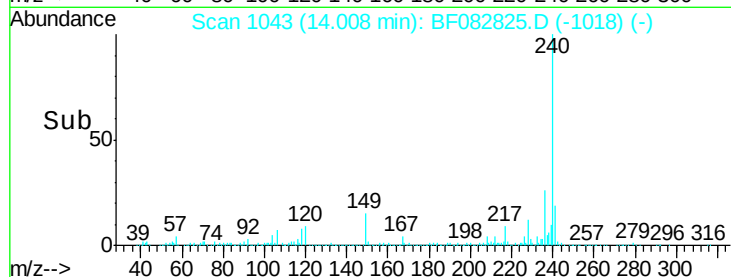
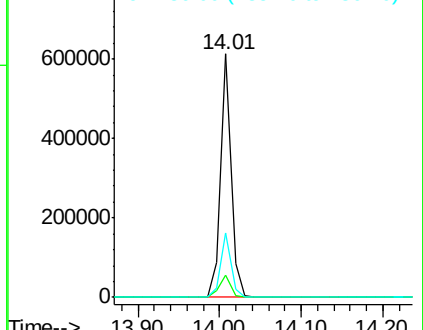
236 26.4 21.6 32.4



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: 19.06 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

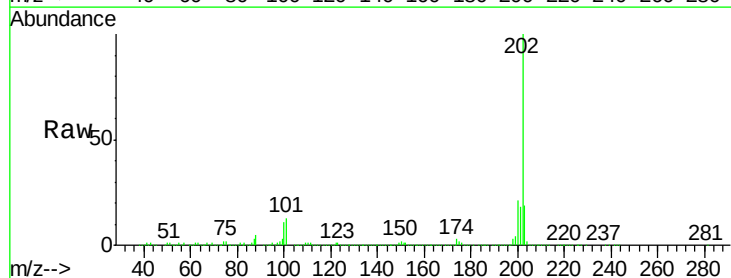
Tgt Ion:202 Resp: 714177

Ion Ratio Lower Upper

202 100

200 21.3 18.7 28.1

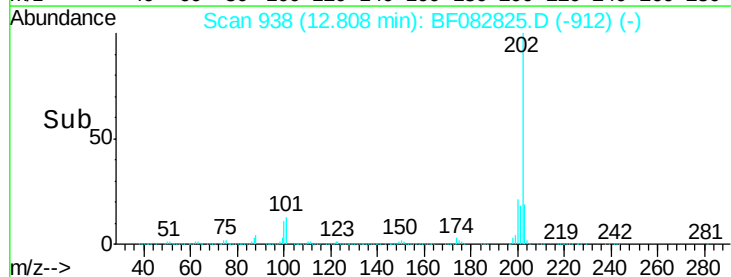
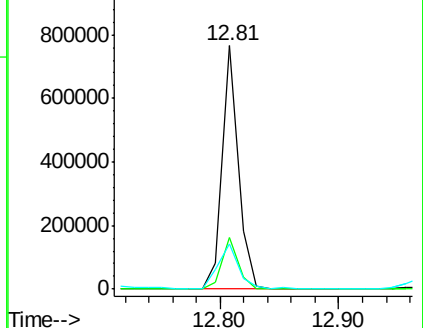
203 18.8 14.8 22.2

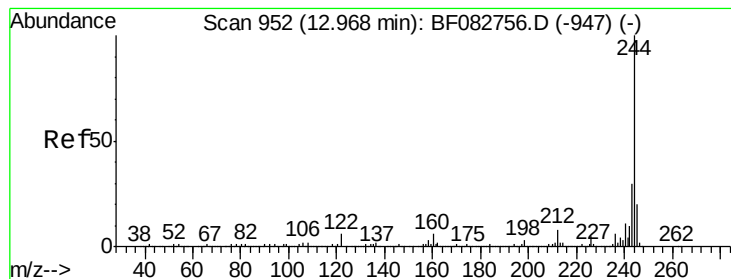


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 37.11 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

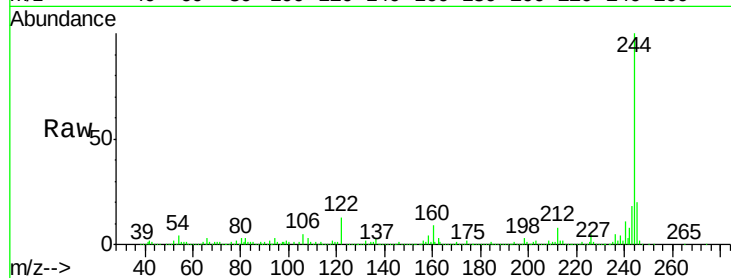
Tgt Ion:244 Resp: 853751

Ion Ratio Lower Upper

244 100

212 8.2 7.6 11.4

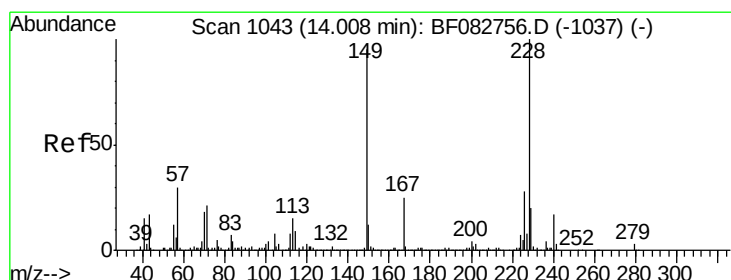
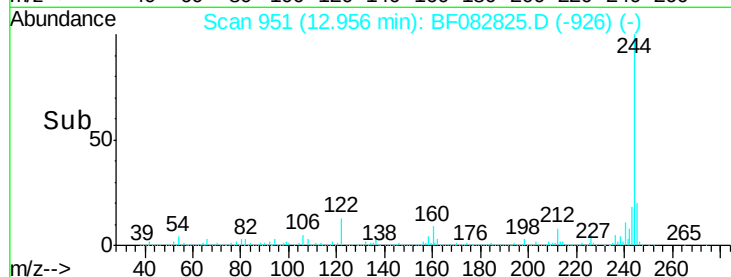
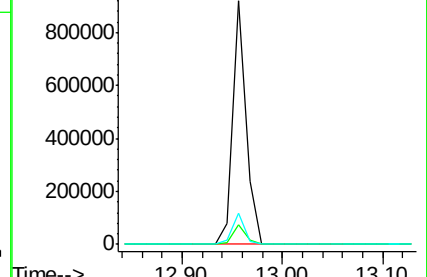
122 12.6 11.3 16.9



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: 8.12 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

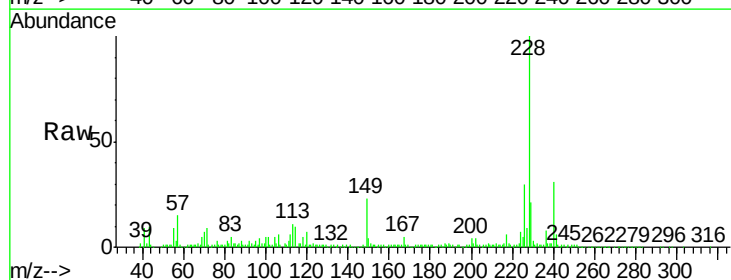
Tgt Ion:228 Resp: 277025

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

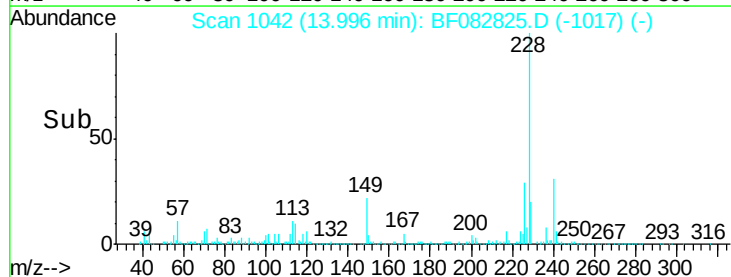
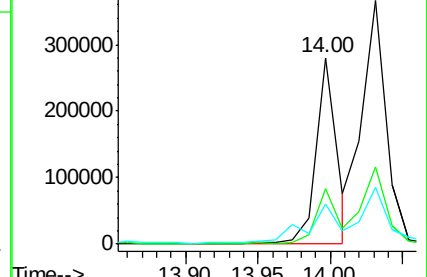
229 21.5 16.3 24.5

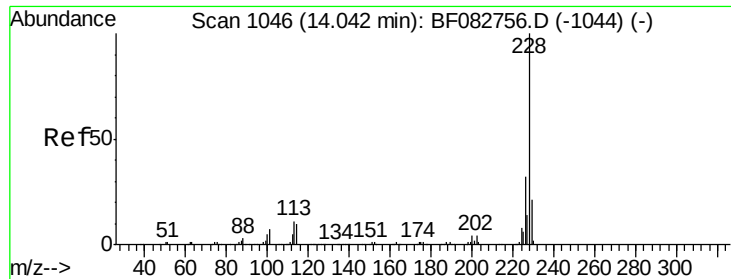


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.47 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

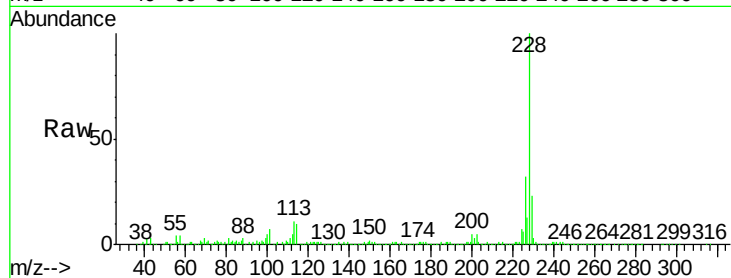
Tgt Ion: 228 Resp: 420799

Ion Ratio Lower Upper

228 100

226 31.6 25.5 38.3

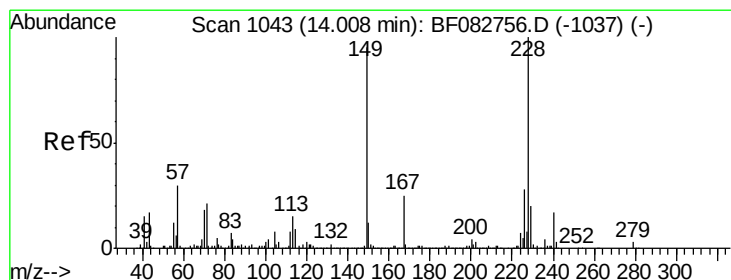
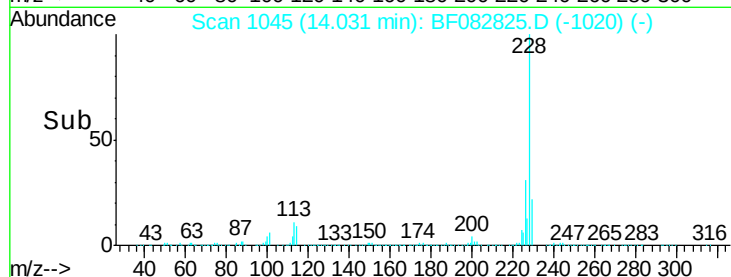
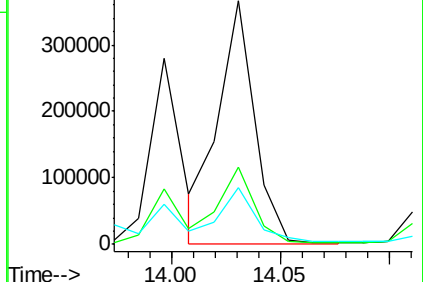
229 23.3 16.3 24.5



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: 5.02 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

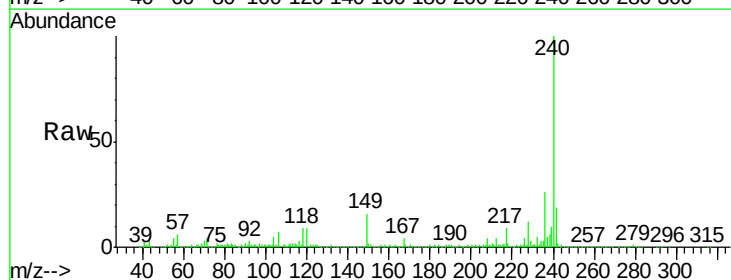
Tgt Ion: 149 Resp: 113795

Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

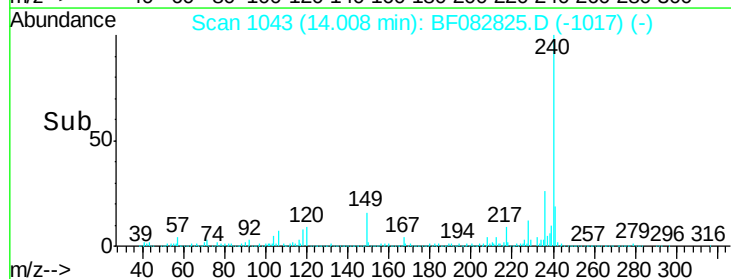
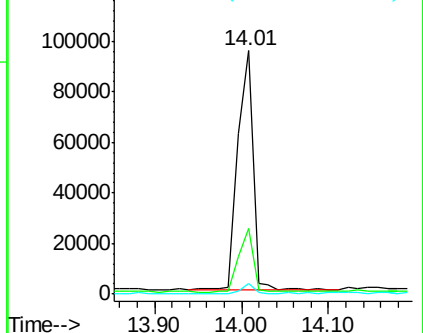
279 4.6 2.2 3.2#

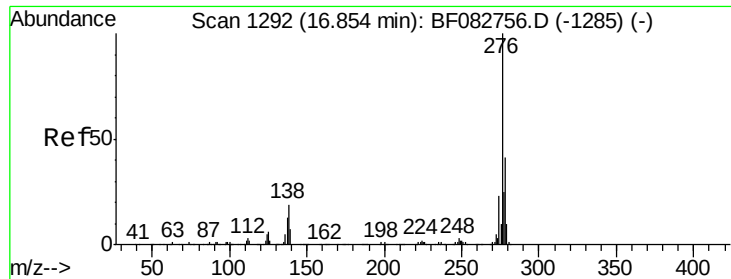


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

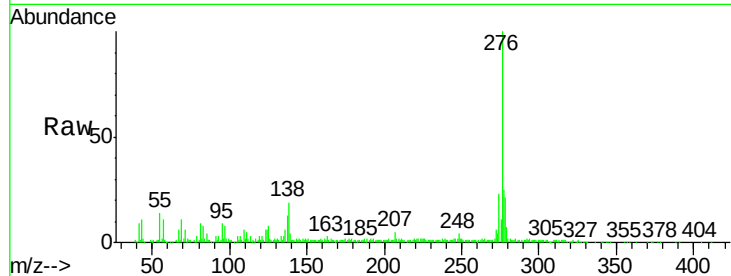




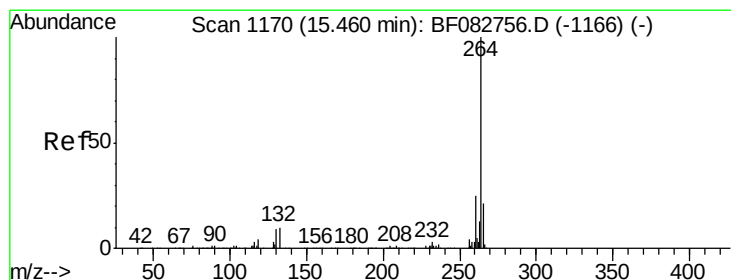
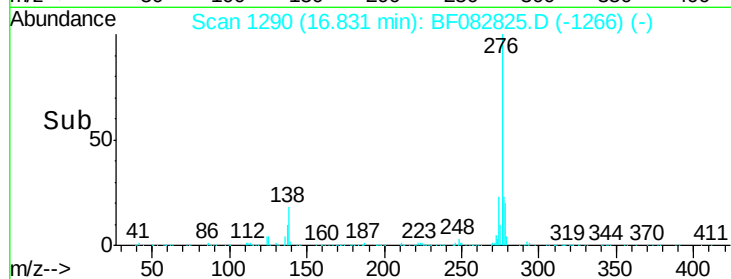
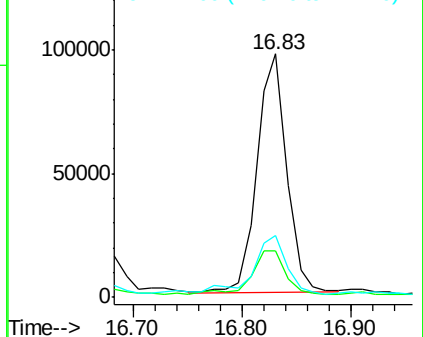
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.85 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Instrument :
 BNA_F
 ClientSampleID :
 DW-2RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.3	22.9
277	29.0	20.2	30.4

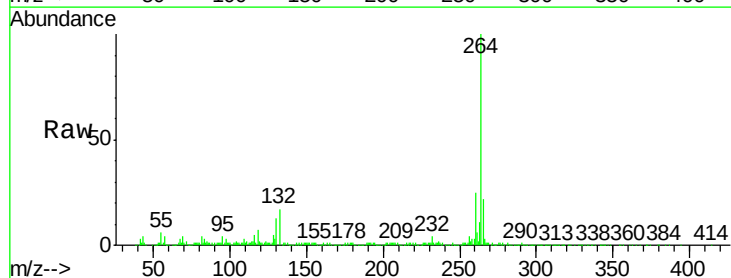


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

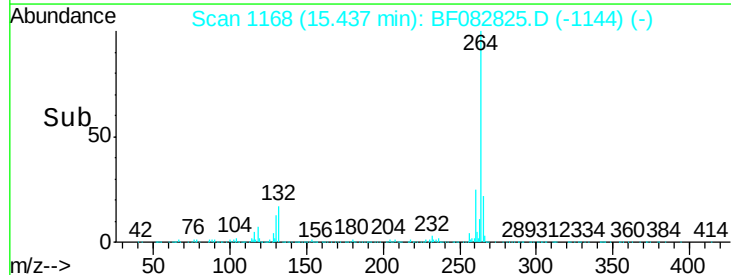
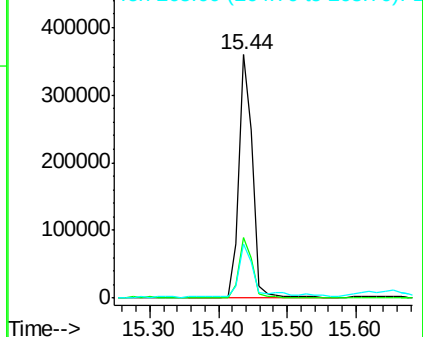


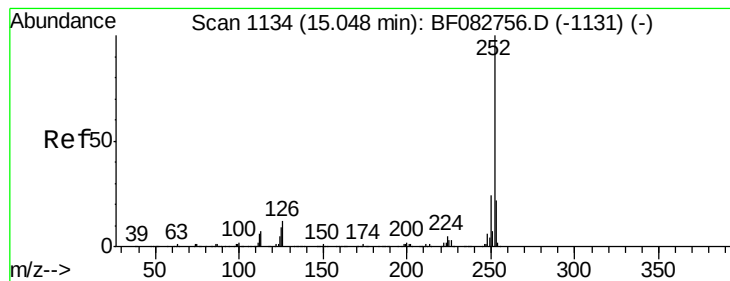
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF082825.D
 Acq: 8 Nov 2015 6:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	22.4	17.4	26.0



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: 20.92 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

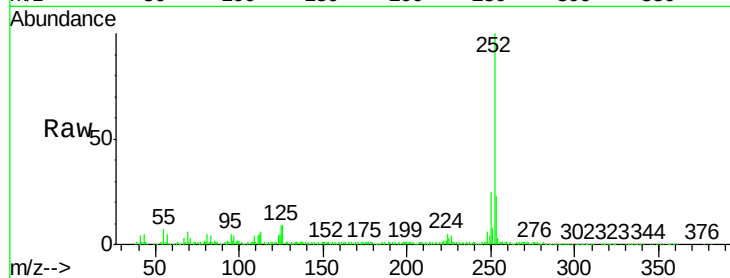
Instrument :

BNA_F

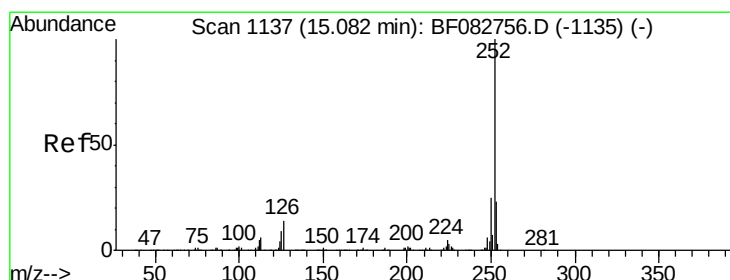
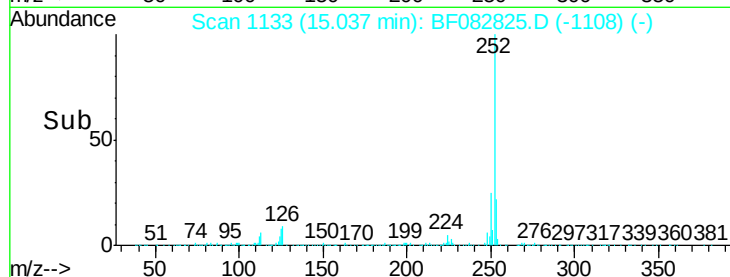
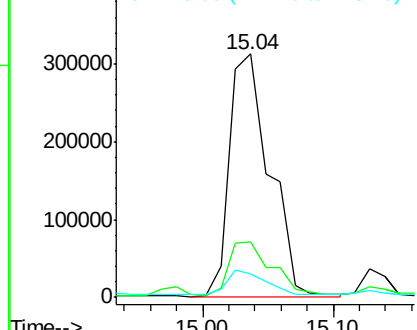
ClientSampleId :

DW-2RE

Tgt Ion:	252	Resp:	666371
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	9.5	5.4	8.2#



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



#88

Benzo(k)fluoranthene

Concen: 23.59 ng

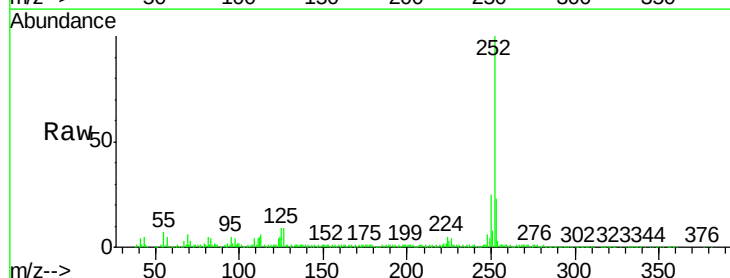
RT: 15.04 min Scan# 1133

Delta R.T. -0.05 min

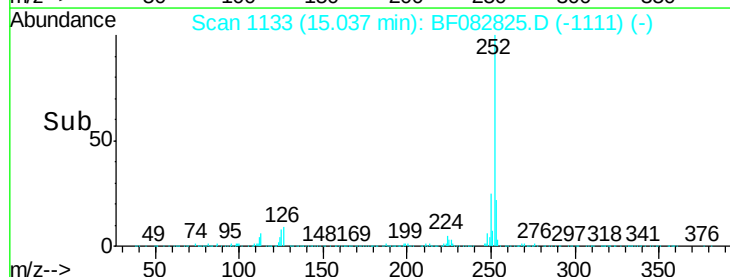
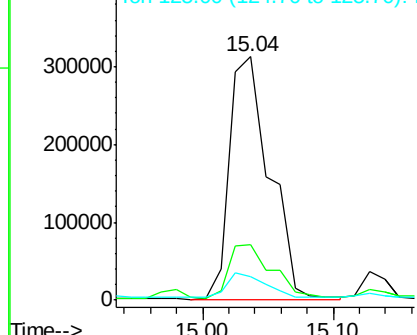
Lab File: BF082825.D

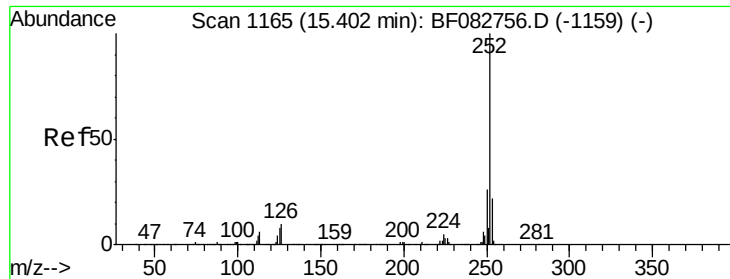
Acq: 8 Nov 2015 6:29

Tgt Ion:	252	Resp:	666371
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	9.5	3.5	5.3#



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





#89

Benzo(a)pyrene

Concen: 9.86 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.02 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

Instrument :

BNA_F

ClientSampleId :

DW-2RE

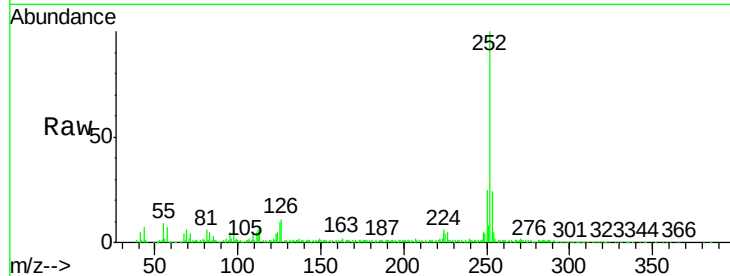
Tgt Ion:252 Resp: 271972

Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

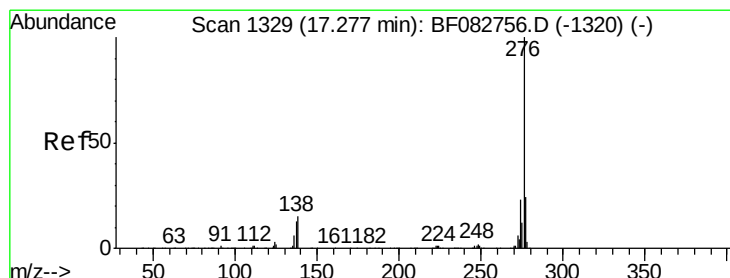
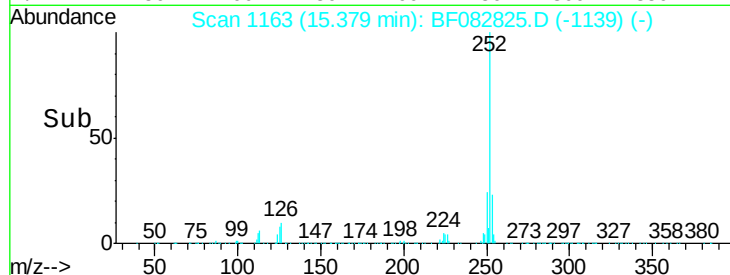
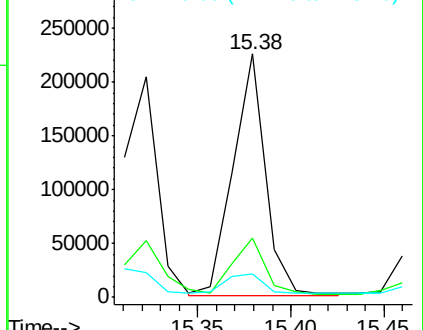
125 9.5 7.1 10.7



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: 8.04 ng

RT: 17.24 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF082825.D

Acq: 8 Nov 2015 6:29

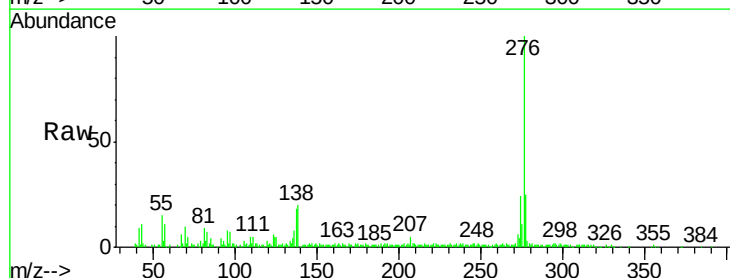
Tgt Ion:276 Resp: 179885

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 20.1 13.1 19.7#



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

