

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
 Data File : BF082387.D
 Acq On : 20 Oct 2015 7:25
 Operator : UM/IZ
 Sample : G4046-01DL2 250X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL2

Quant Time: Oct 20 08:46:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

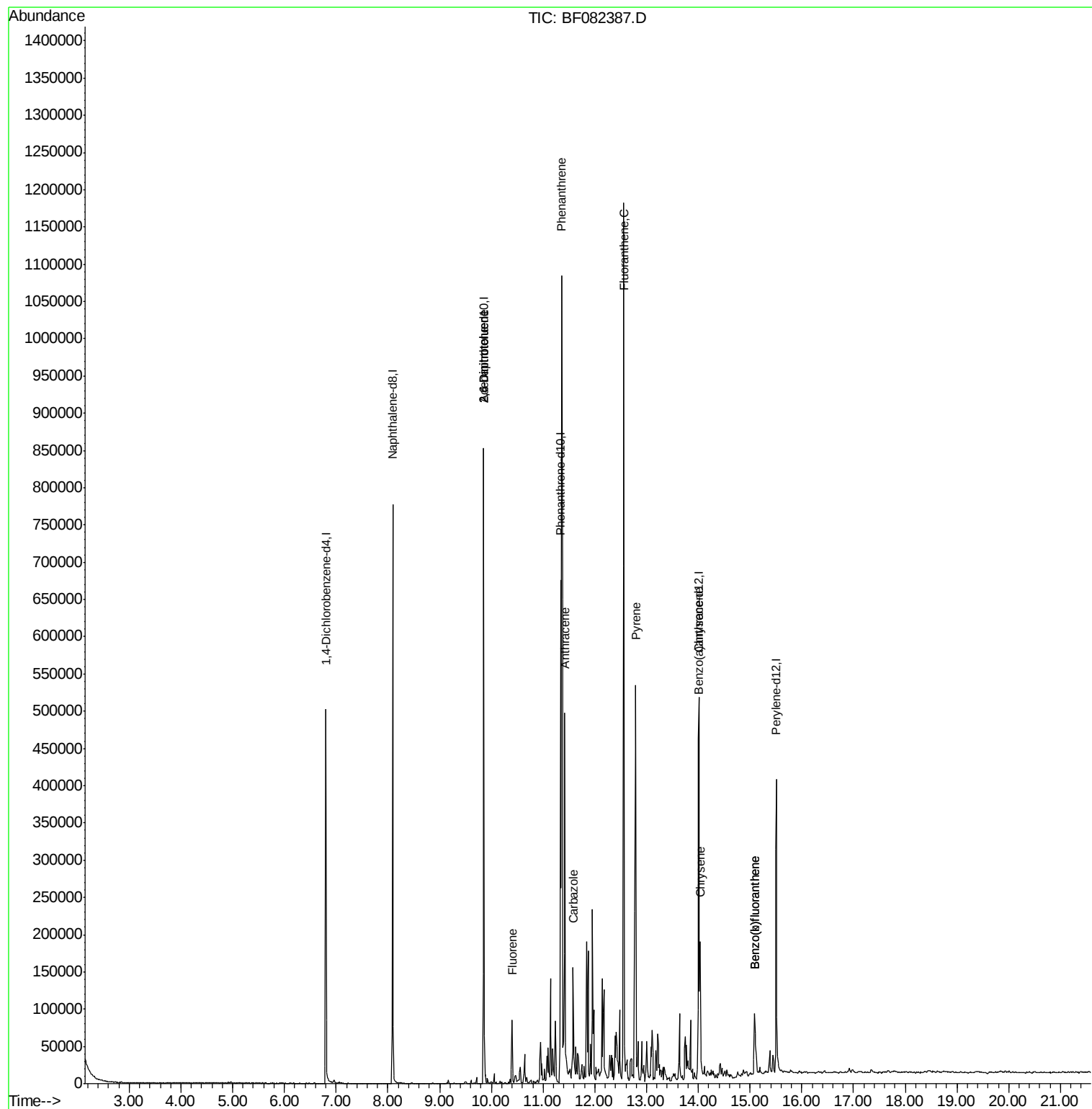
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	83299	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	346134	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	165438	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	283576	20.00	ng	-0.03
75) Chrysene-d12	14.01	240	223607	20.00	ng	0.00
86) Perylene-d12	15.51	264	213886	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.48	99	441	0.08	ng	0.00
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	10.64	330	209	0.13	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	3324	0.33	ng	-0.04
78) Terphenyl-d14	12.93	244	3151	0.37	ng	-0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.85	165	20595	8.38	ng	# 32
56) 2,4-Dinitrotoluene	9.85	165	20595	6.70	ng	# 23
57) Fluorene	10.40	166	29073	2.78	ng	97
70) Phenanthrene	11.36	178	544328	39.16	ng	99
71) Anthracene	11.42	178	241879	16.89	ng	99
72) Carbazole	11.58	167	82678	6.33	ng	97
74) Fluoranthene	12.56	202	612463	41.03	ng	98
77) Pyrene	12.79	202	318173	23.98	ng	97
80) Benzo(a)anthracene	14.00	228	76511	6.58	ng	99
82) Chrysene	14.04	228	63364	5.17	ng	97
87) Benzo(b)fluoranthene	15.09	252	59750	4.59	ng	99
88) Benzo(k)fluoranthene	15.09	252	59750	5.46	ng	# 98

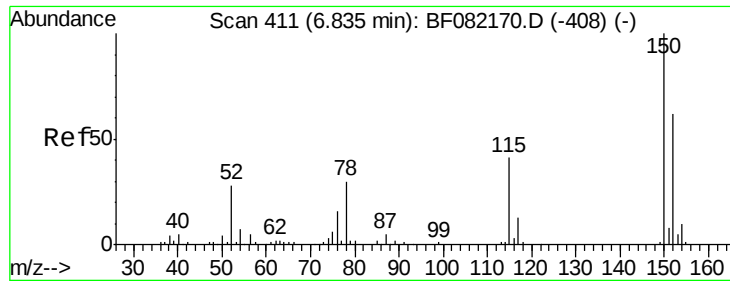
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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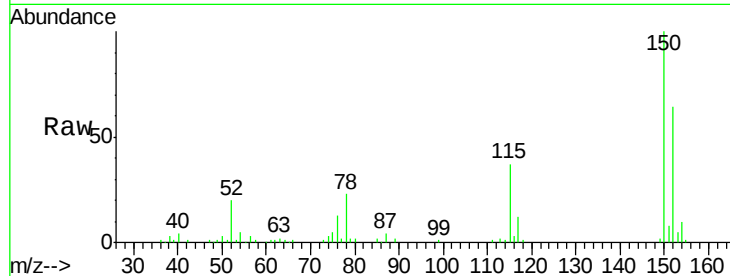




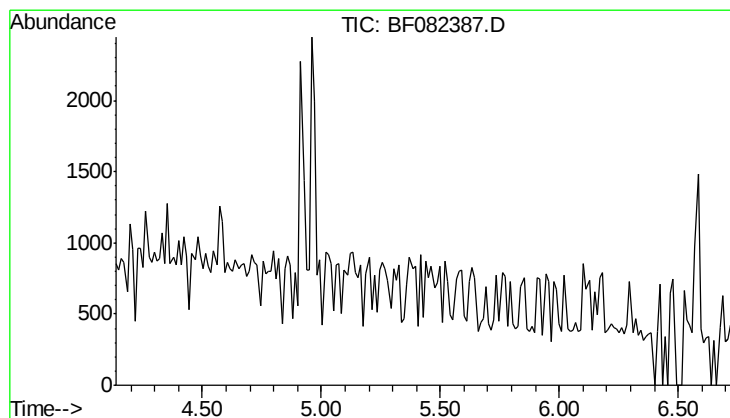
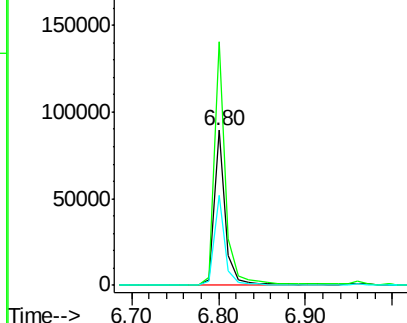
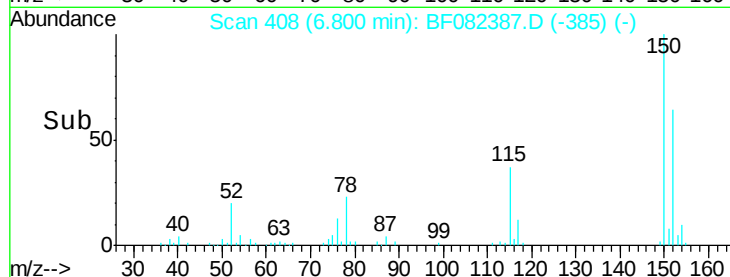
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL2

Tgt Ion:152 Resp: 83299
 Ion Ratio Lower Upper
 152 100
 150 157.2 129.0 193.4
 115 57.8 52.1 78.1



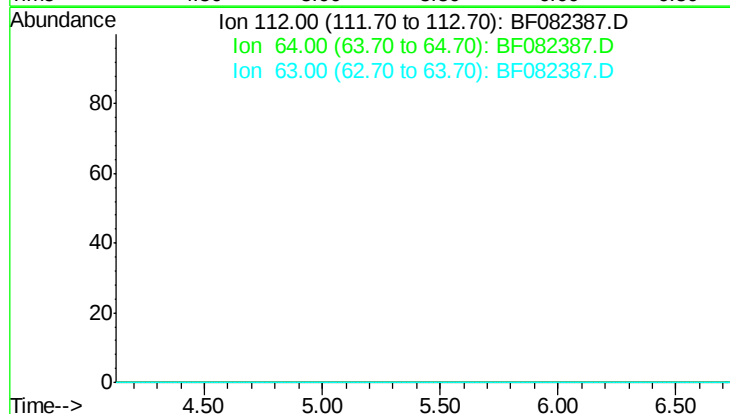
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

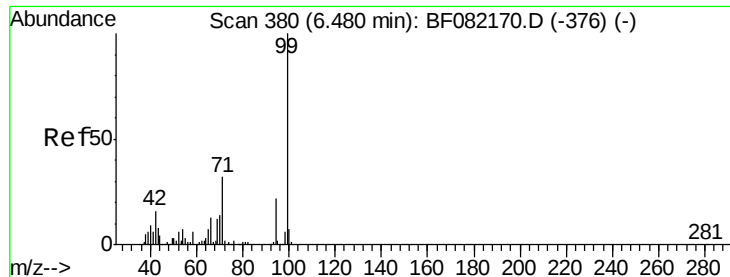


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.43 min

Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 60.8
 63 31.4





#7

Phenol-d6

Concen: 0.08 ng

RT: 6.48 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL2

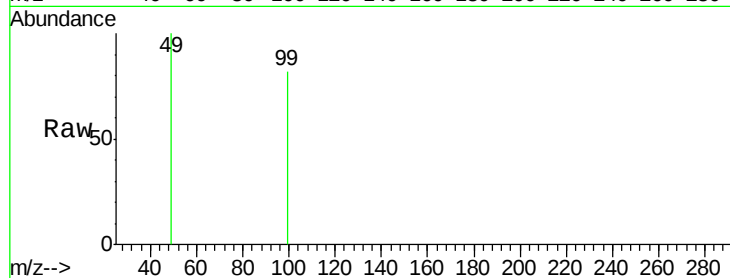
Tgt Ion: 99 Resp: 441

Ion Ratio Lower Upper

99 100

42 0.0 13.2 19.8#

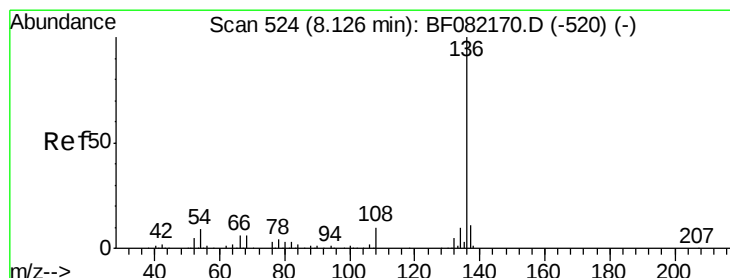
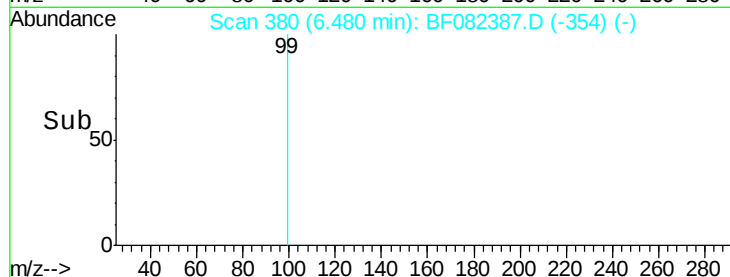
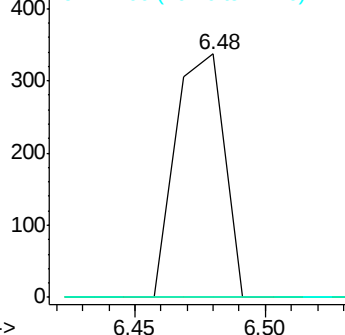
71 0.0 25.6 38.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Tgt Ion: 136 Resp: 346134

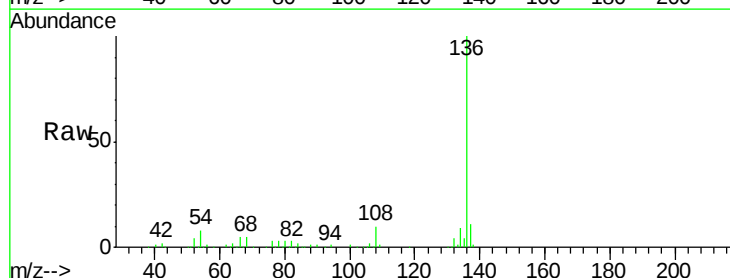
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.7 7.5 11.3

68 5.2 4.6 7.0

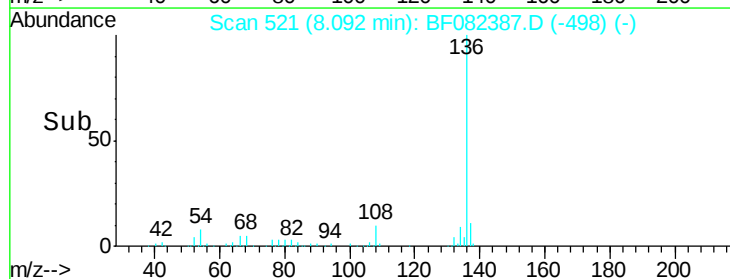
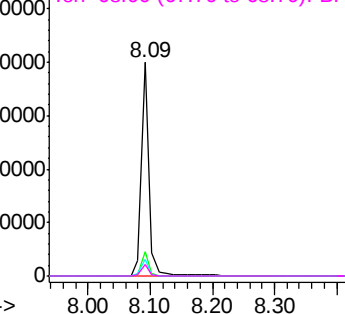


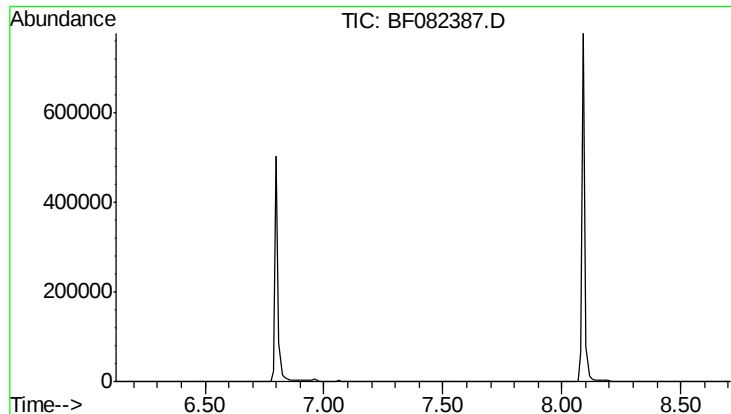
Abundance Ion 136.00 (135.70 to 136.70): E

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

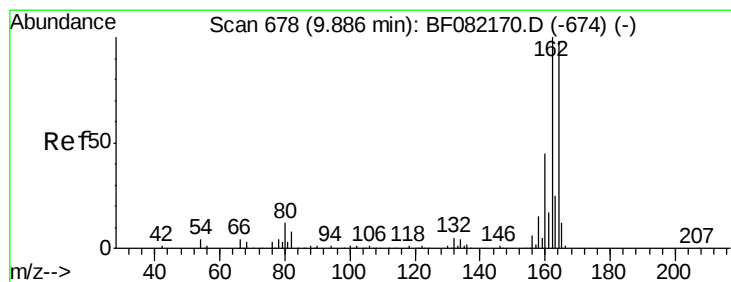
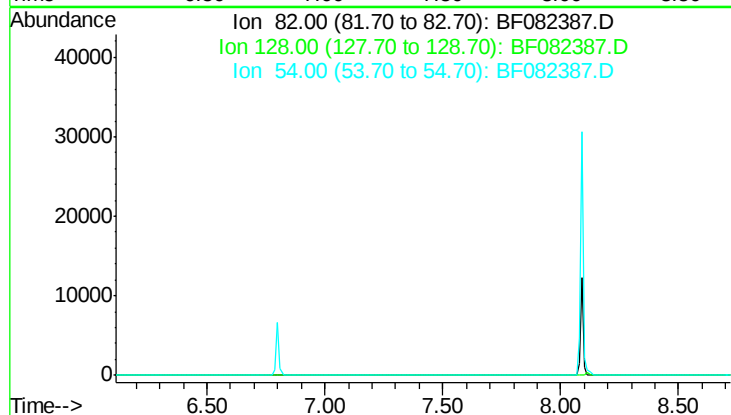




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

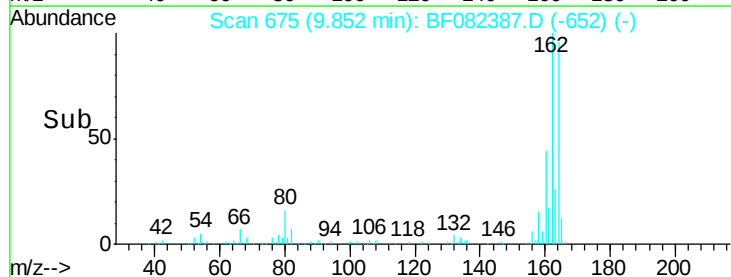
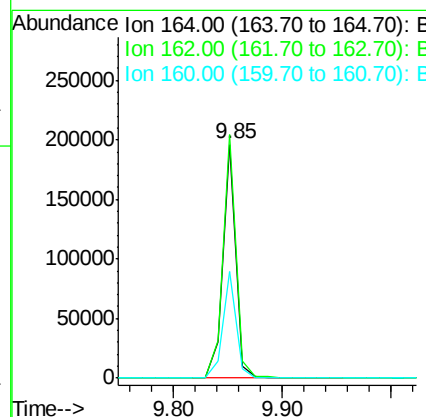
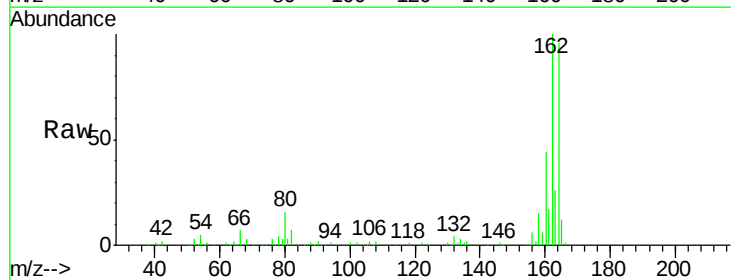
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL2

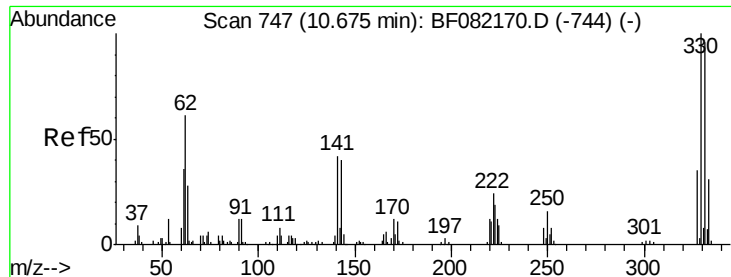
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 48.4
 54 50.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Tgt Ion: 164 Resp: 165438
 Ion Ratio Lower Upper
 164 100
 162 104.3 81.6 122.4
 160 45.8 36.4 54.6

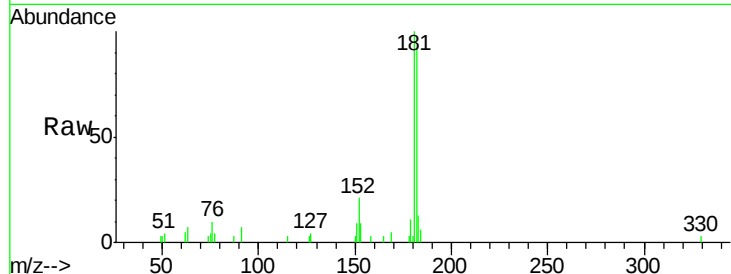




#41
 2,4,6-Tribromophenol
 Concen: 0.13 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

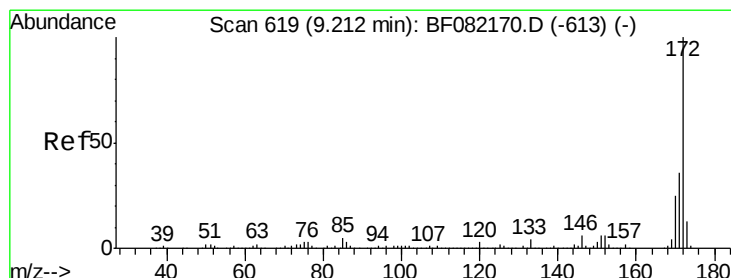
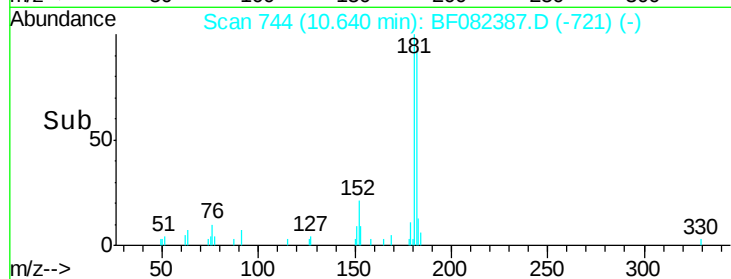
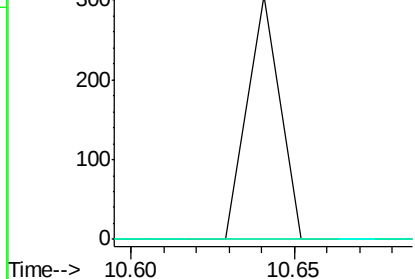
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL2

Tgt Ion: 330 Resp: 209
 Ion Ratio Lower Upper
 330 100
 332 0.0 77.1 115.7#
 141 0.0 29.8 44.8#



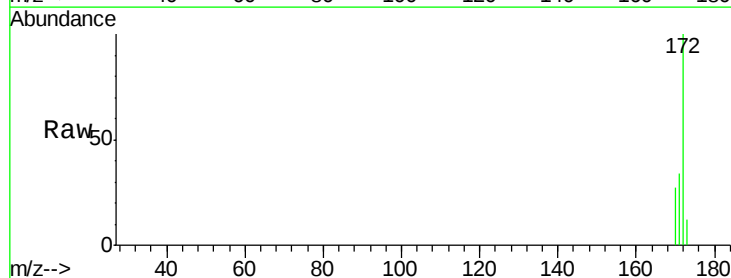
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

10.64



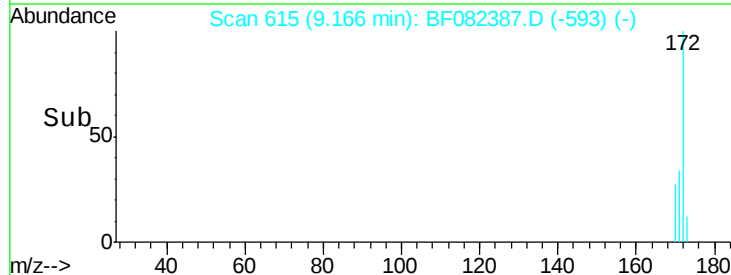
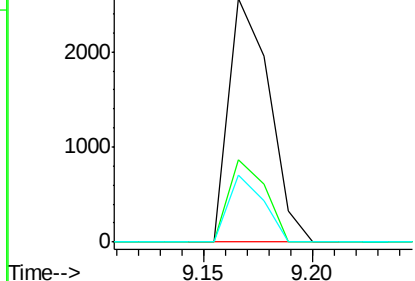
#44
 2-Fluorobiphenyl
 Concen: 0.33 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

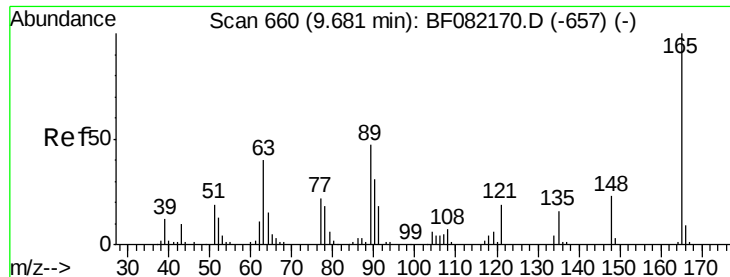
Tgt Ion: 172 Resp: 3324
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.6 42.8
 170 27.5 19.7 29.5



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

9.17

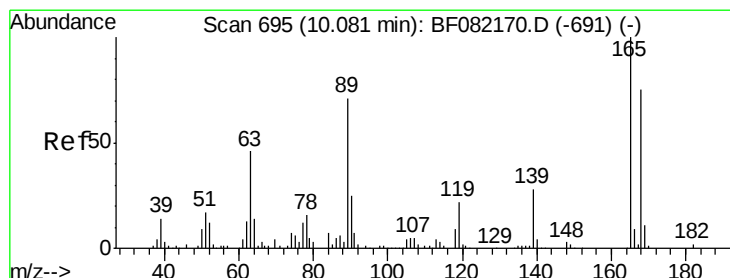
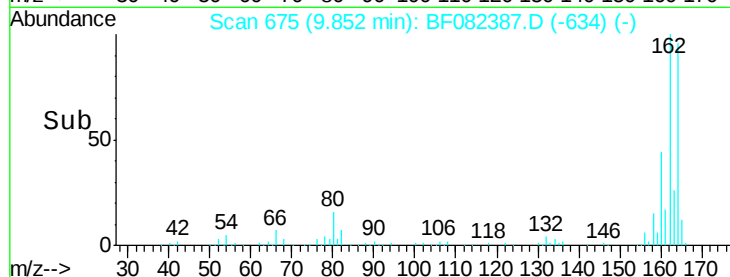
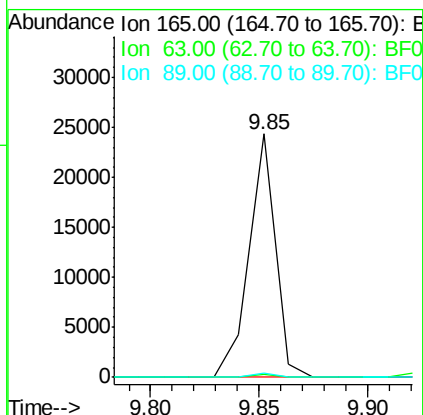
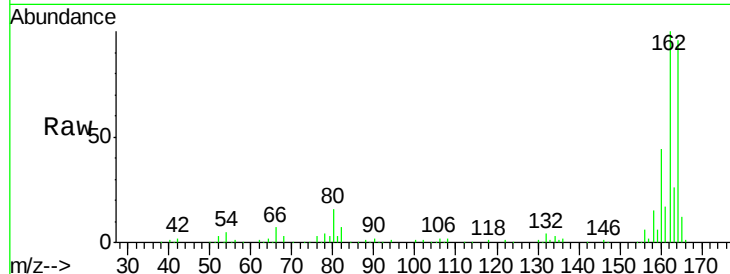




#50
 2,6-Dinitrotoluene
 Concen: 8.38 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.17 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

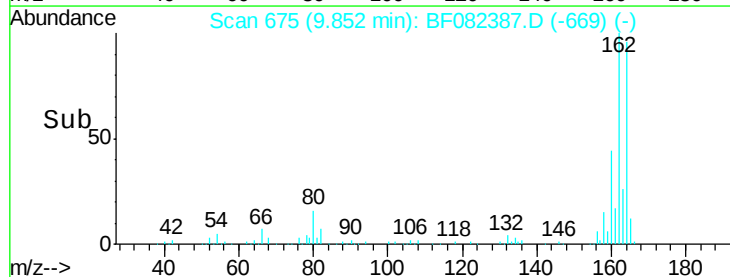
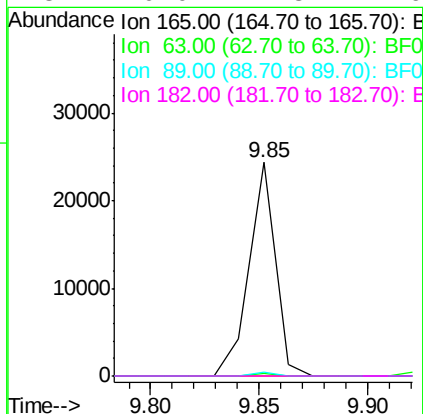
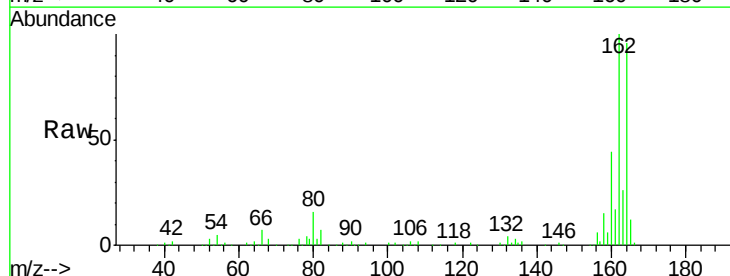
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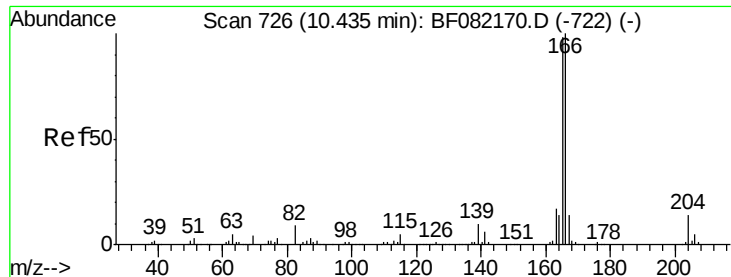
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.7	55.1#
89	1.6	37.8	56.6#



#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.23 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.6	58.0#
89	1.6	57.0	85.6#
182	0.0	1.8	2.6#

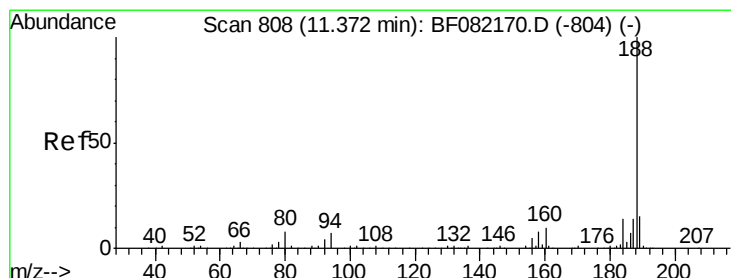
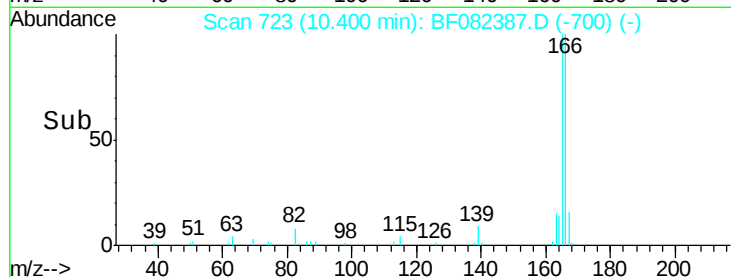
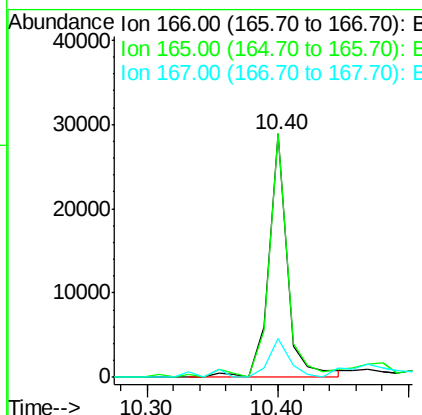
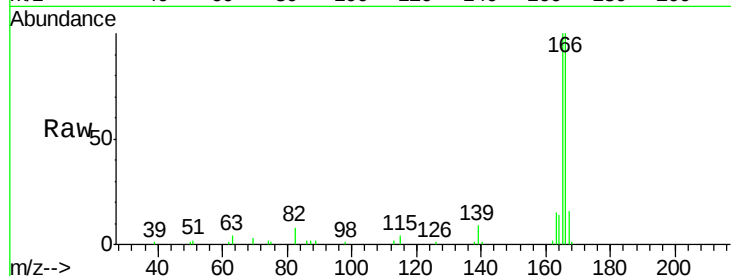




#57
Fluorene
 Concen: 2.78 ng
 RT: 10.40 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

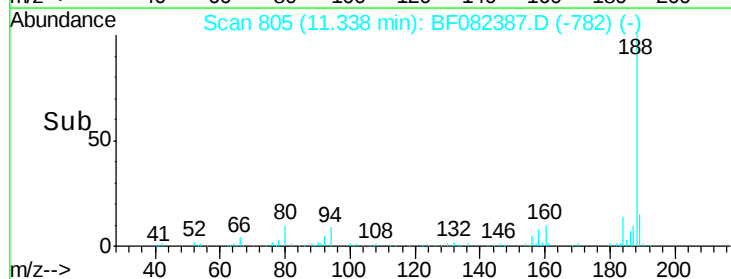
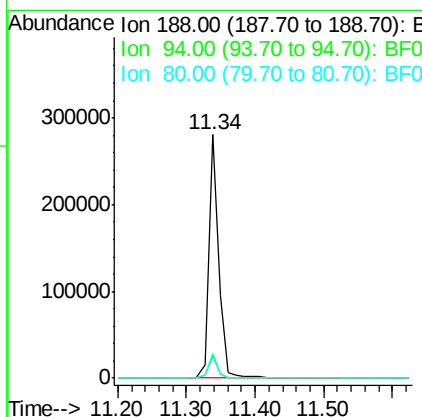
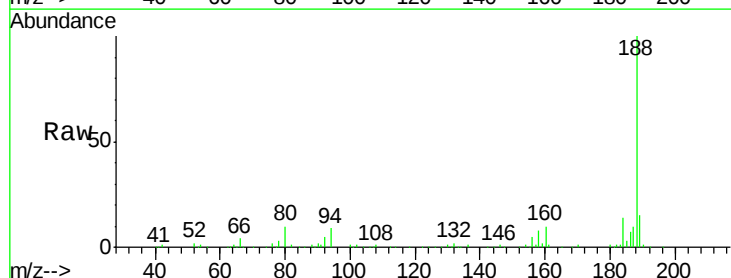
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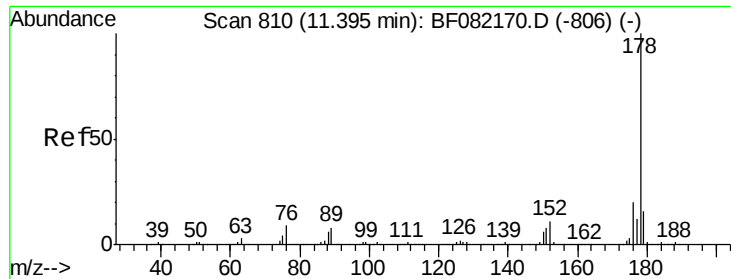
Tgt Ion:166 Resp: 29073
 Ion Ratio Lower Upper
 166 100
 165 100.0 78.3 117.5
 167 15.8 10.8 16.2



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Tgt Ion:188 Resp: 283576
 Ion Ratio Lower Upper
 188 100
 94 9.3 5.8 8.6#
 80 10.4 6.4 9.6#

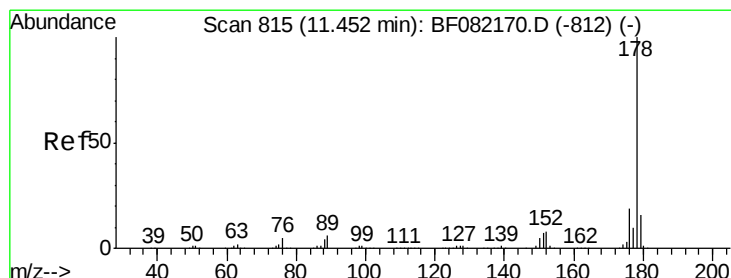
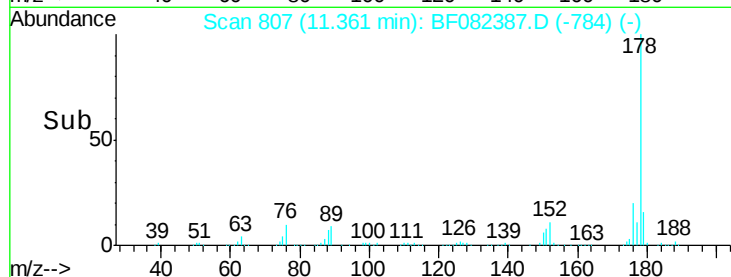
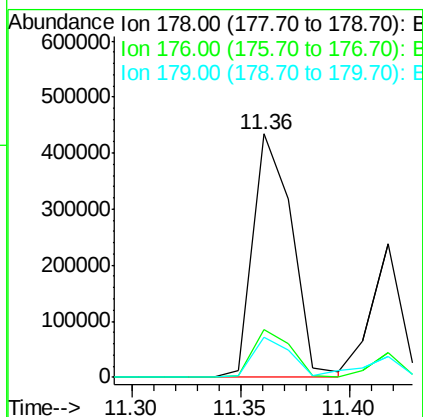
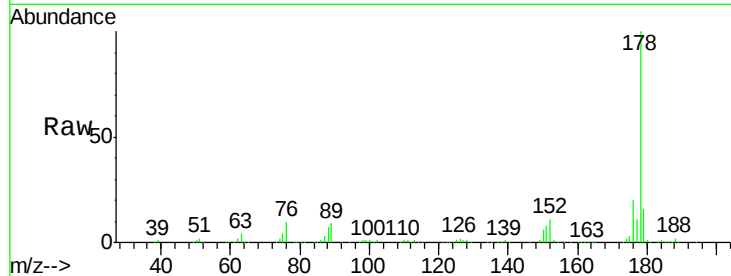




#70
Phenanthrene
Concen: 39.16 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082387.D
Acq: 20 Oct 2015 7:25

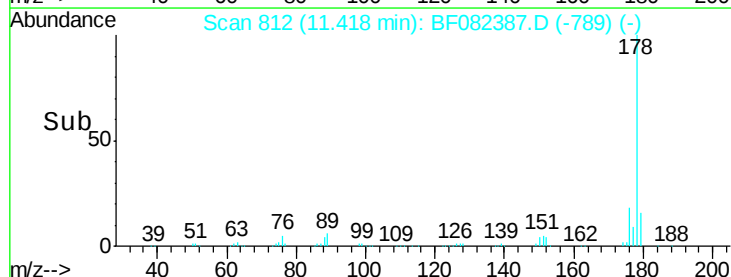
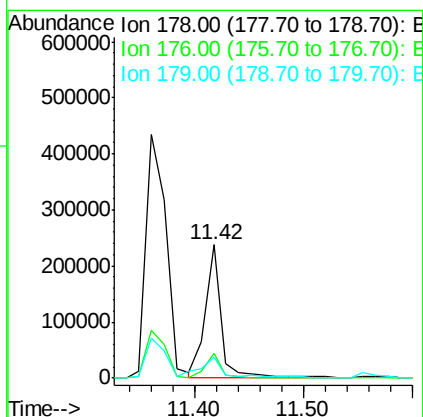
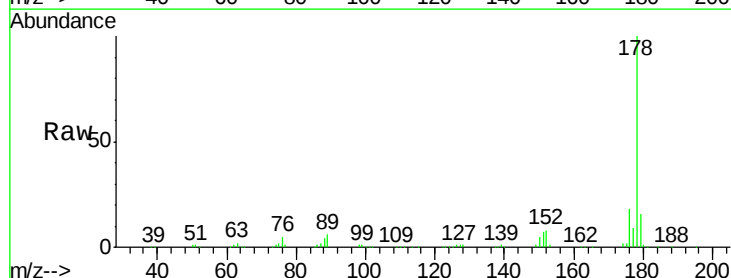
Instrument :
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GOODLUCK902DL2

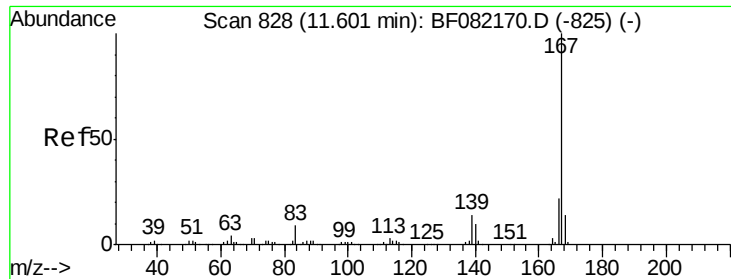
Tgt Ion:178 Resp: 544328
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.3 12.6 19.0



#71
Anthracene
Concen: 16.89 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF082387.D
Acq: 20 Oct 2015 7:25

Tgt Ion:178 Resp: 241879
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.8 12.5 18.7

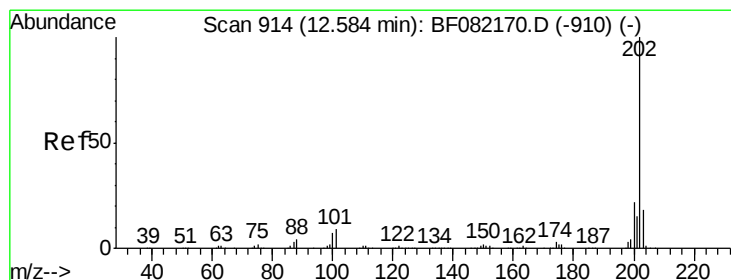
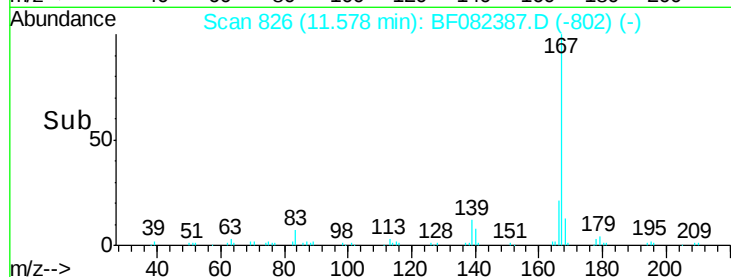
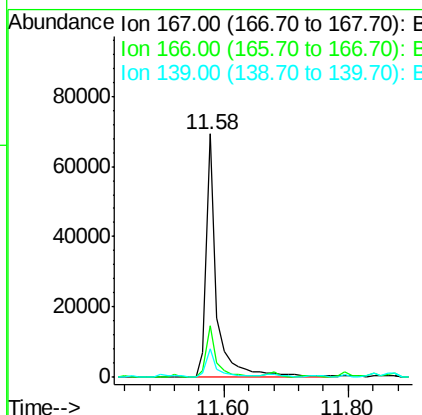
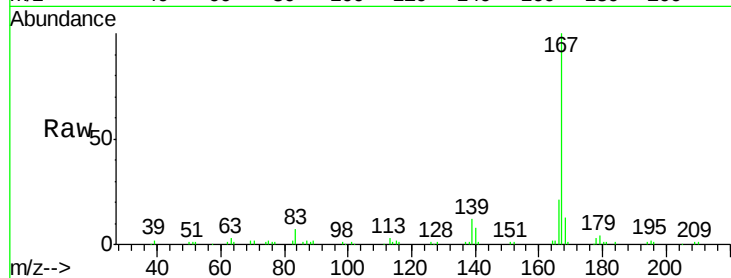




#72
 Carbazole
 Concen: 6.33 ng
 RT: 11.58 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

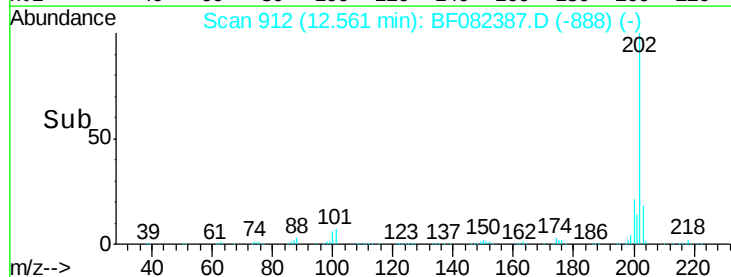
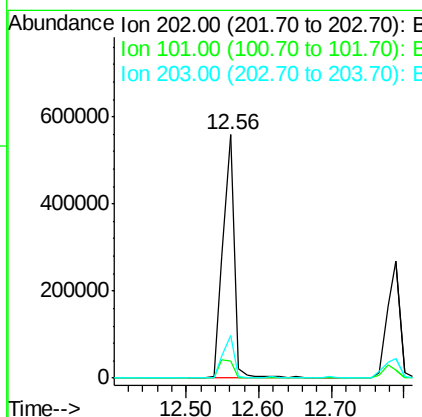
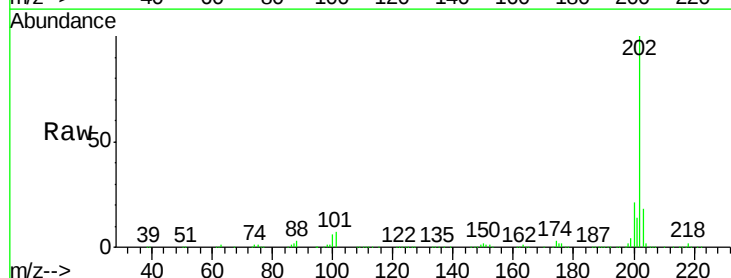
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL2

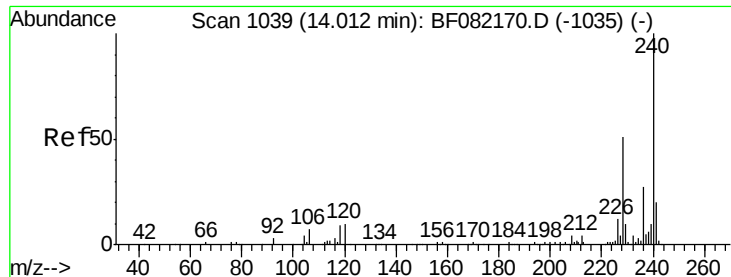
Tgt Ion:167 Resp: 82678
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.3 25.9
 139 11.8 11.2 16.8



#74
 Fluoranthene
 Concen: 41.03 ng
 RT: 12.56 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF082387.D
 Acq: 20 Oct 2015 7:25

Tgt Ion:202 Resp: 612463
 Ion Ratio Lower Upper
 202 100
 101 7.2 0.0 29.3
 203 17.8 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL2

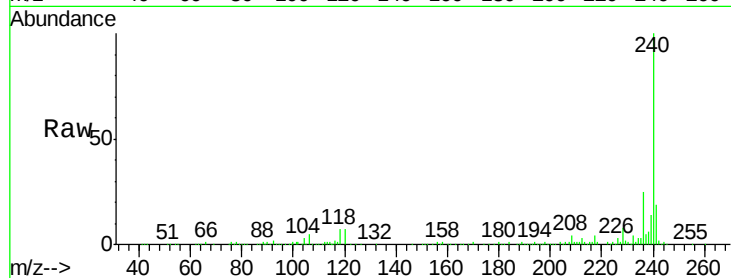
Tgt Ion:240 Resp: 223607

Ion Ratio Lower Upper

240 100

120 6.8 8.1 12.1#

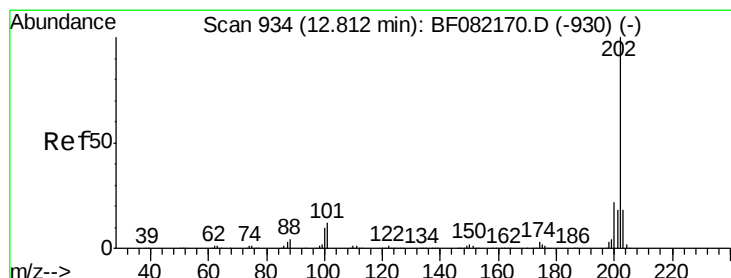
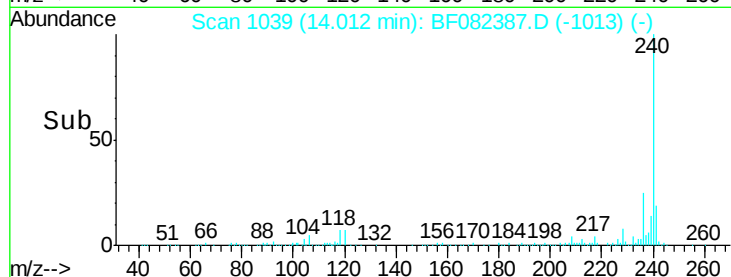
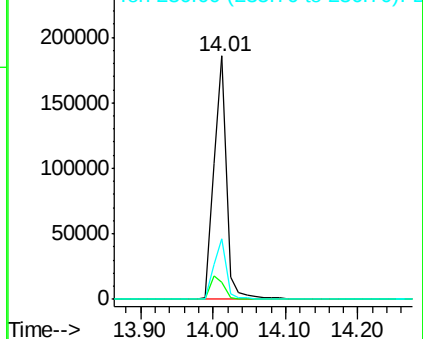
236 25.1 21.3 31.9



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: 23.98 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

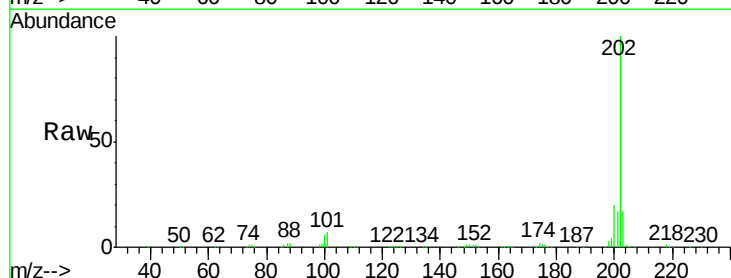
Tgt Ion:202 Resp: 318173

Ion Ratio Lower Upper

202 100

200 20.5 17.9 26.9

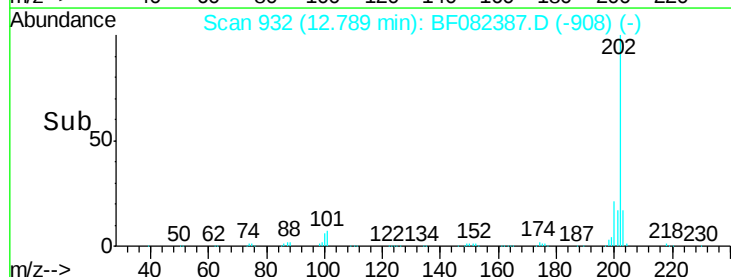
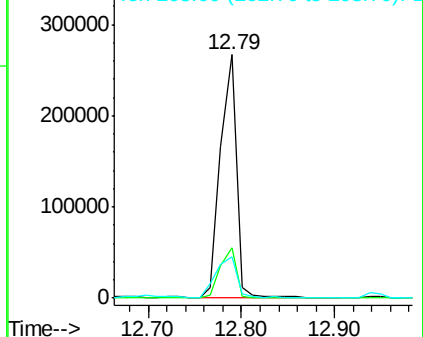
203 17.1 14.5 21.7

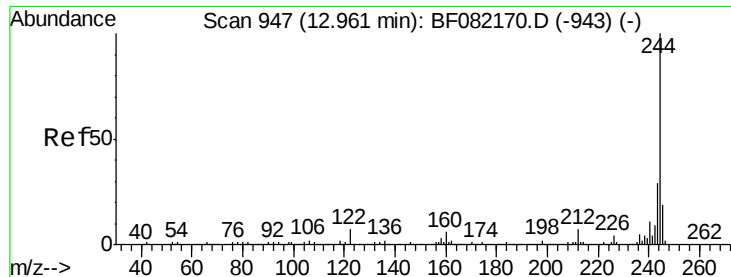


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.37 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL2

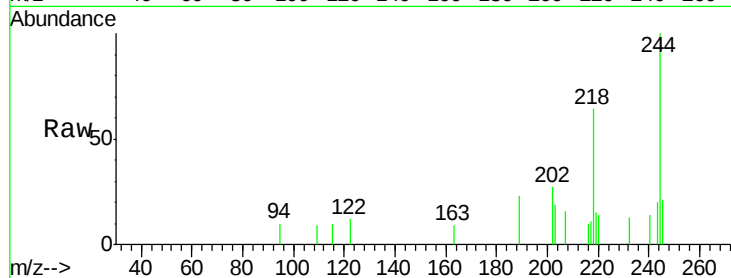
Tgt Ion:244 Resp: 3151

Ion Ratio Lower Upper

244 100

212 0.0 5.8 8.6#

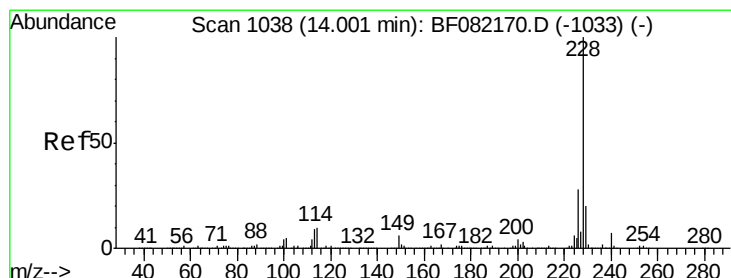
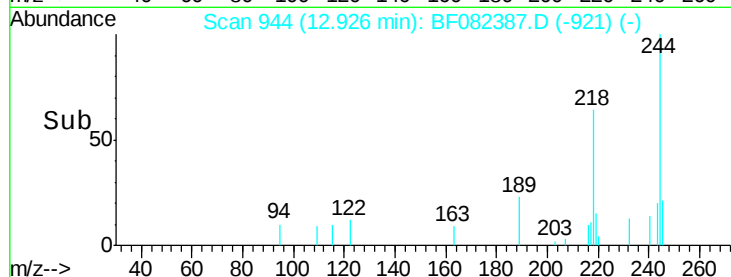
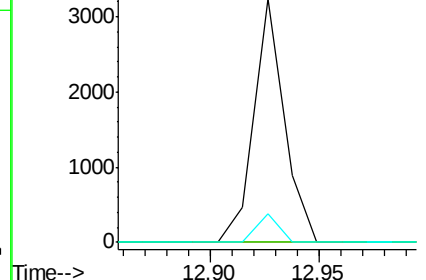
122 11.6 5.9 8.9#



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: 6.58 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

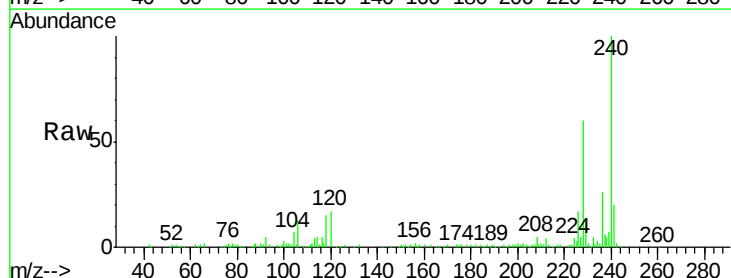
Tgt Ion:228 Resp: 76511

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

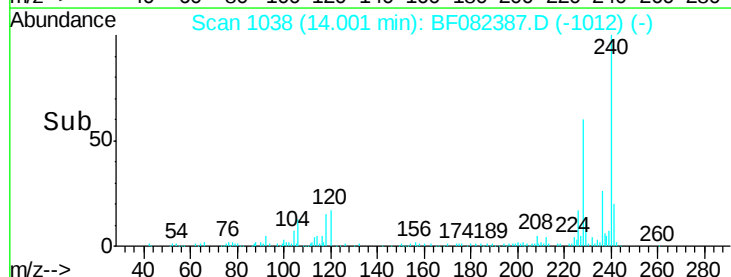
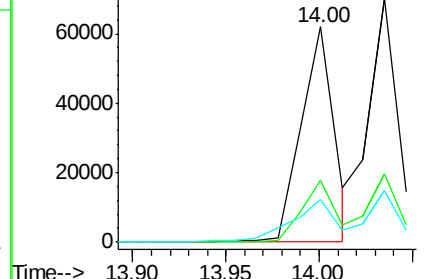
229 19.9 16.2 24.2

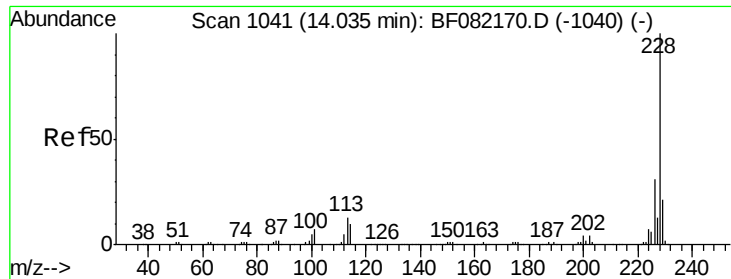


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.17 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL2

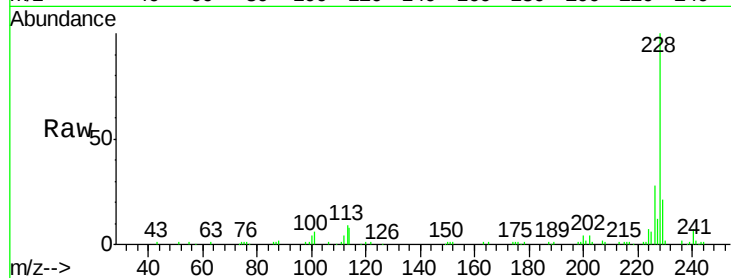
Tgt Ion:228 Resp: 63364

Ion Ratio Lower Upper

228 100

226 28.2 24.4 36.6

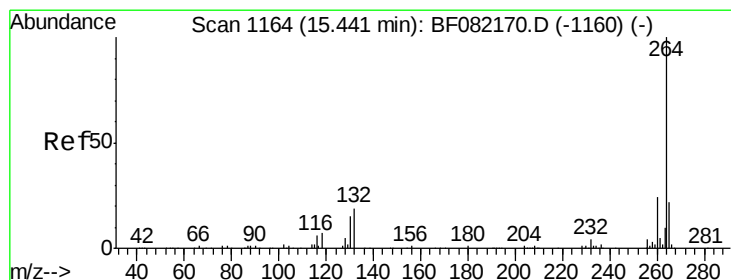
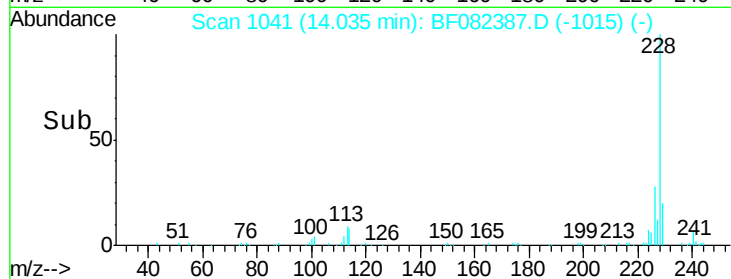
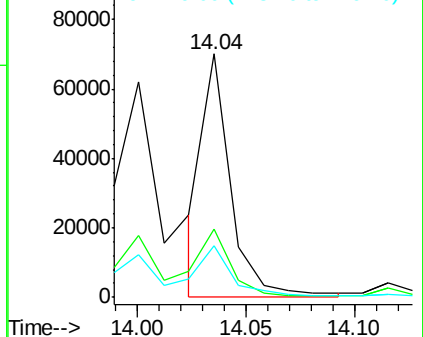
229 21.0 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1170

Delta R.T. 0.07 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

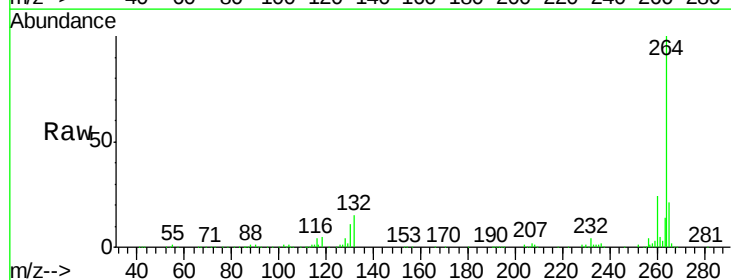
Tgt Ion:264 Resp: 213886

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

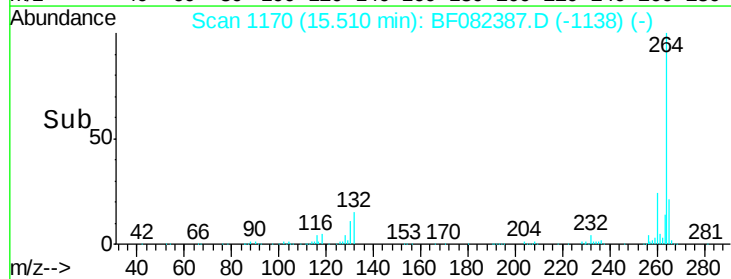
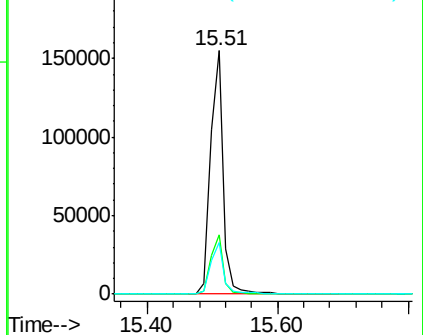
265 21.4 17.3 25.9

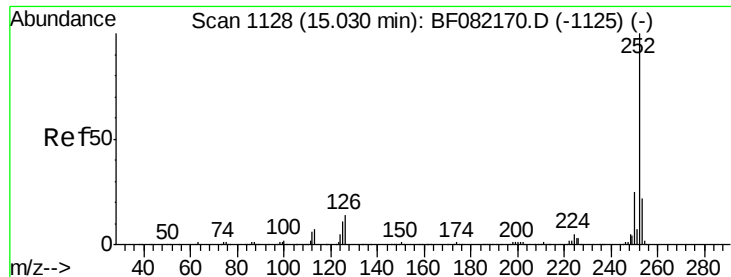


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.59 ng

RT: 15.09 min Scan# 1133

Delta R.T. 0.06 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL2

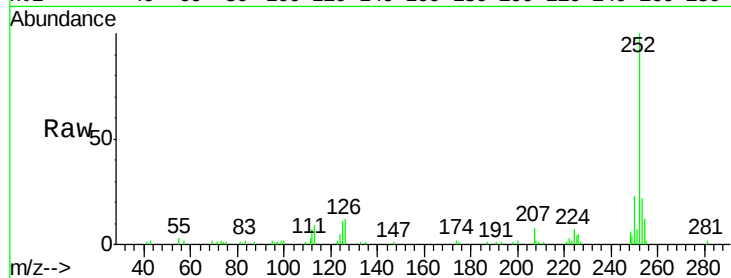
Tgt Ion:252 Resp: 59750

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

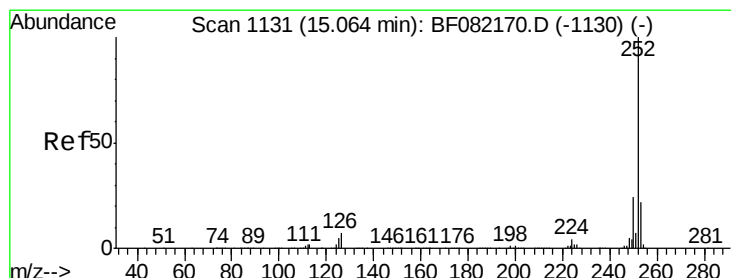
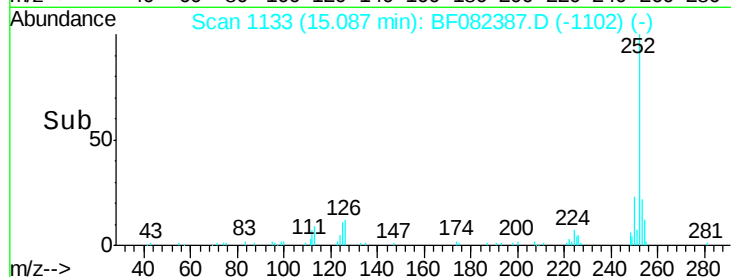
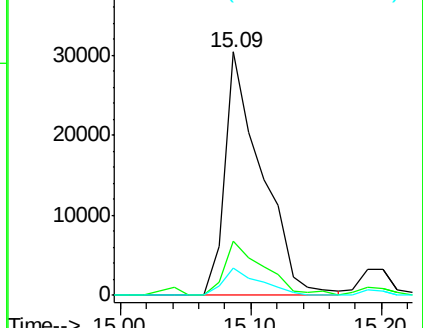
125 11.4 8.6 12.8



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: 5.46 ng

RT: 15.09 min Scan# 1133

Delta R.T. 0.02 min

Lab File: BF082387.D

Acq: 20 Oct 2015 7:25

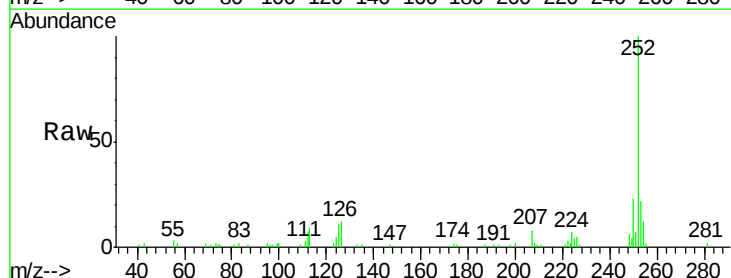
Tgt Ion:252 Resp: 59750

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 11.4 6.7 10.1#



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

