

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082386.D
 Acq On : 20 Oct 2015 6:56
 Operator : UM/IZ
 Sample : G4046-01DL 50X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL

Manual Integrations
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 10/20/2015 6:26:06 PM

Quant Time: Oct 20 08:43:48 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	93624	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	383235	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	190593	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	328926	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	250015	20.00	ng	0.00
86) Perylene-d12	15.52	264	231804	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	6108	1.32	ng	-0.02
7) Phenol-d6	6.45	99	9502	1.57	ng	-0.03
23) Nitrobenzene-d5	7.37	82	4488	0.79	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	2553	1.43	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	18878	1.64	ng	-0.05
78) Terphenyl-d14	12.93	244	18814	1.99	ng	-0.03
Target Compounds						Qvalue
54) Dibenzofuran	10.06	168	47793	3.25	ng	93
57) Fluorene	10.40	166	162545	13.47	ng	99
70) Phenanthrene	11.38	178	2555297	158.49	ng	98
71) Anthracene	11.43	178	1175473	70.75	ng	99
72) Carbazole	11.58	167	413985	27.32	ng	99
74) Fluoranthene	12.57	202	2293938	132.47	ng	95
77) Pyrene	12.80	202	1563483	105.38	ng	99
80) Benzo(a)anthracene	14.00	228	436901	33.59	ng	98
82) Chrysene	14.05	228	395560	28.86	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	28570	2.62	ng	96
87) Benzo(b)fluoranthene	15.10	252	205788m	14.59	ng	
88) Benzo(k)fluoranthene	15.11	252	108633m	9.16	ng	
89) Benzo(a)pyrene	15.45	252	74012	6.11	ng	98

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

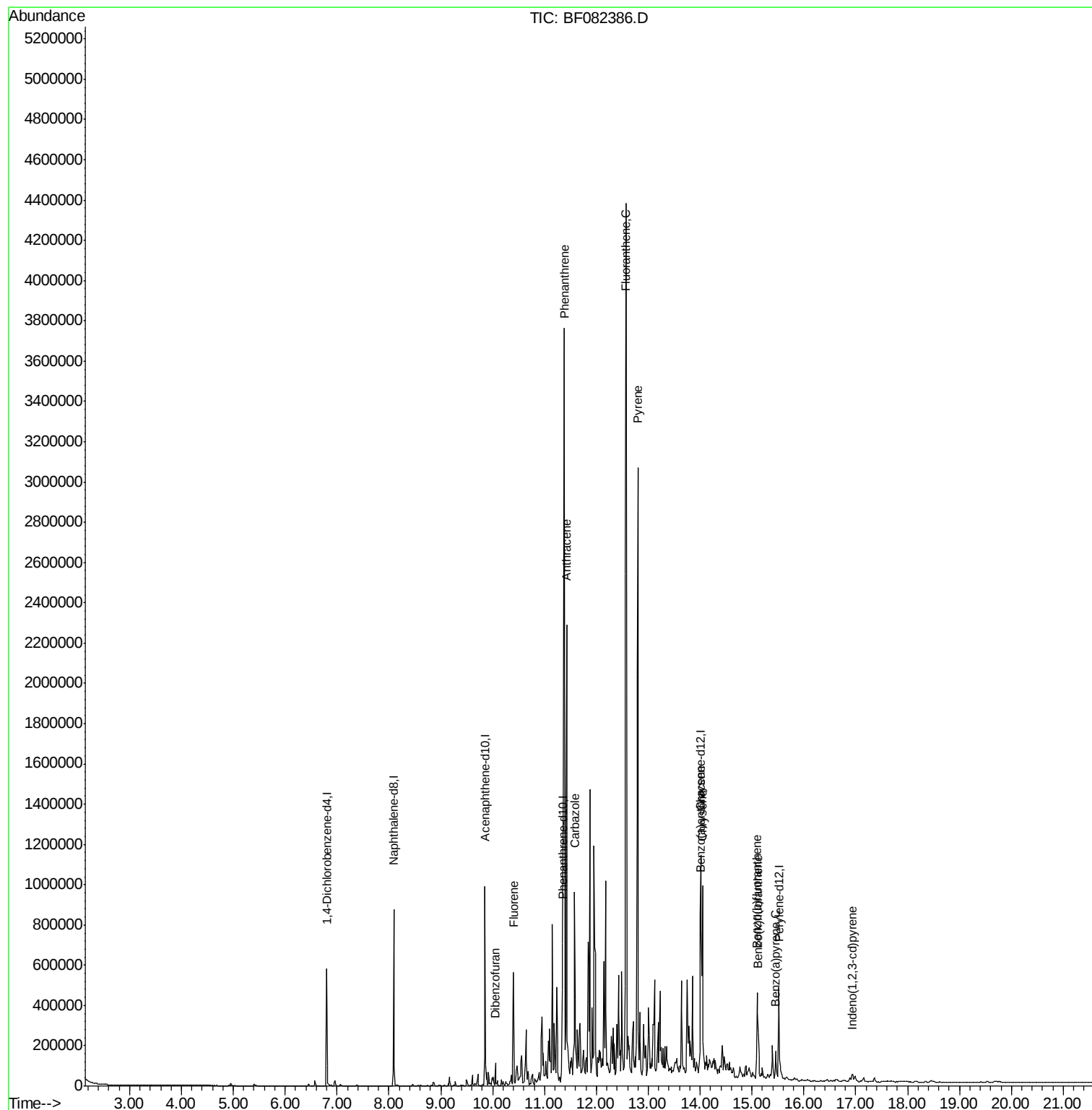
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
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ALS Vial : 33 Sample Multiplier: 1

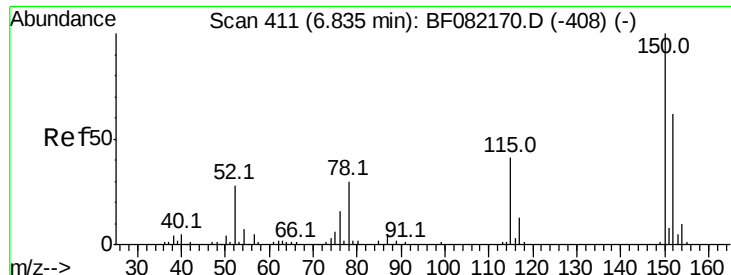
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

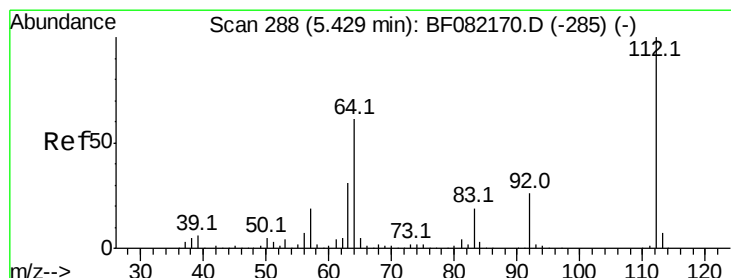
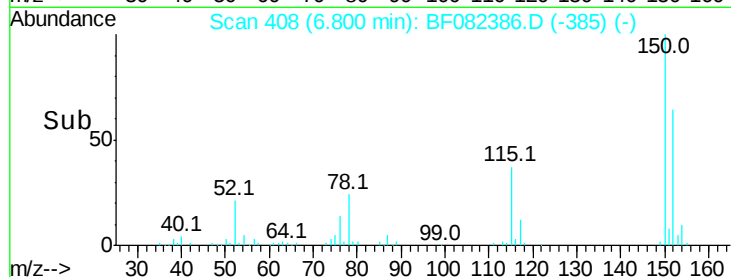
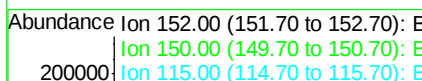
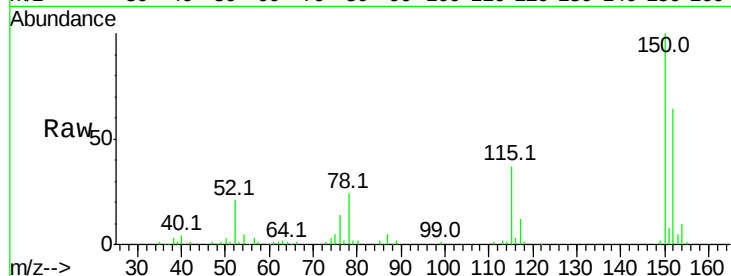
ClientSampleId :

GOODLUCK902DL

Tot Ion:	152	Resp:	93624
Ion Ratio	Lower	Upper	
152	100		
150	157.3	129.0	193.4
115	58.7	52.1	78.1

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#5

2-Fluorophenol

Concen: 1.32 ng

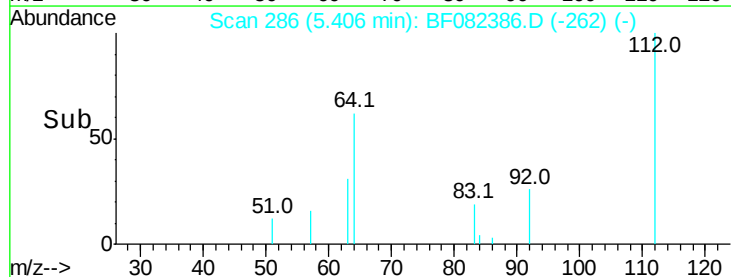
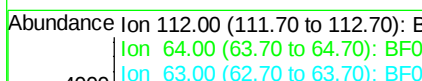
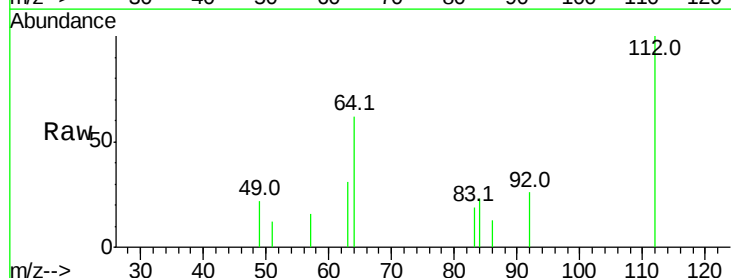
RT: 5.41 min Scan# 286

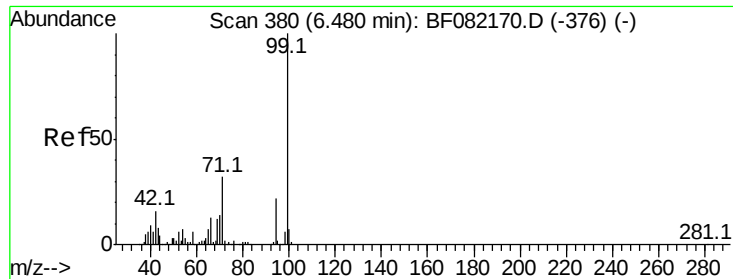
Delta R.T. -0.02 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Tgt Ion:	112	Resp:	6108
Ion Ratio	Lower	Upper	
112	100		
64	62.5	48.6	73.0
63	31.1	25.1	37.7





#7

Phenol-d6

Concen: 1.57 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

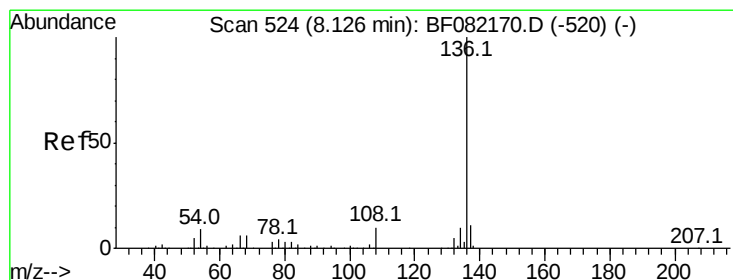
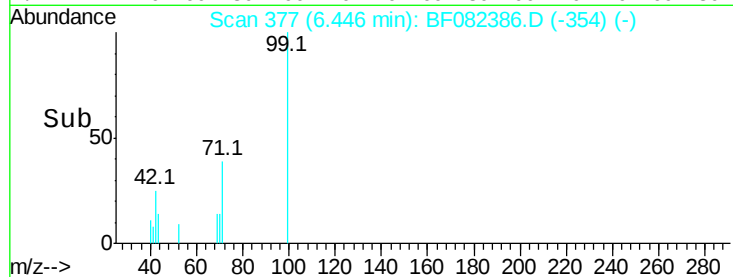
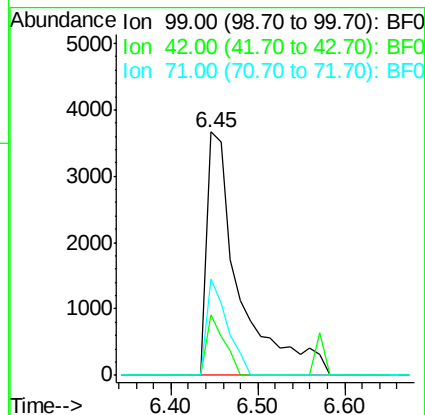
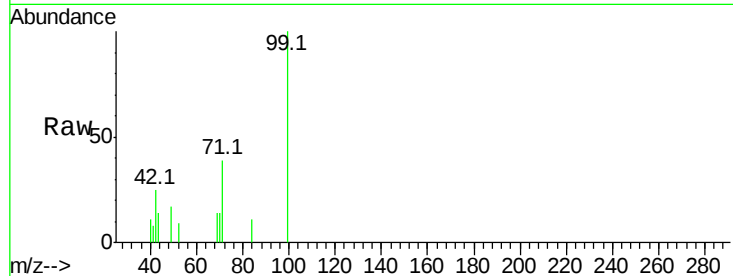
ClientSampleId :

GOODLUCK902DL

Tot Ion:	99	Resp:	9502
Ion Ratio	Lower	Upper	
99	100		
42	24.8	13.2	19.8#
71	39.4	25.6	38.4#

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#21

Naphthalene-d8

Concen: 20.00 ng

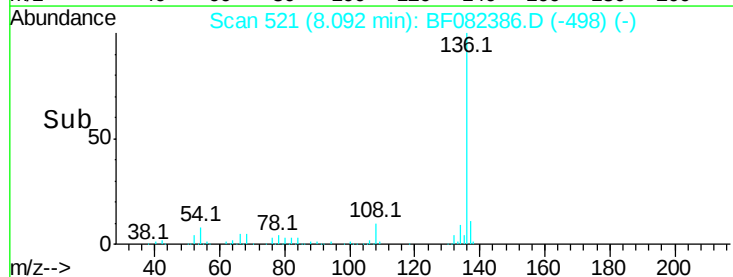
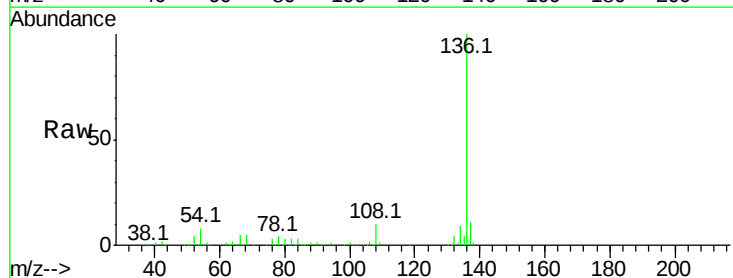
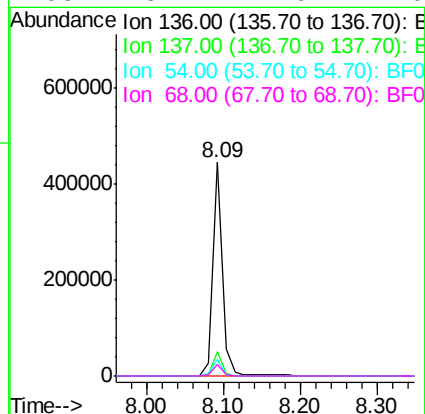
RT: 8.09 min Scan# 521

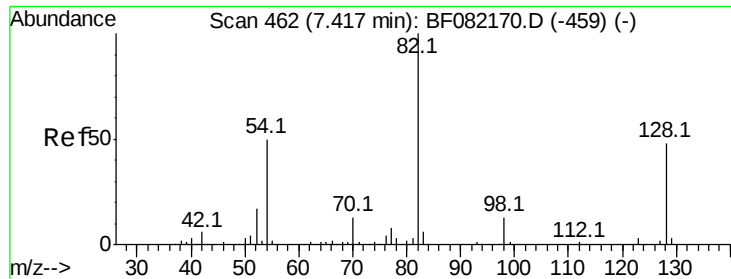
Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Tgt Ion:	136	Resp:	383235
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.0	7.5	11.3
68	5.4	4.6	7.0





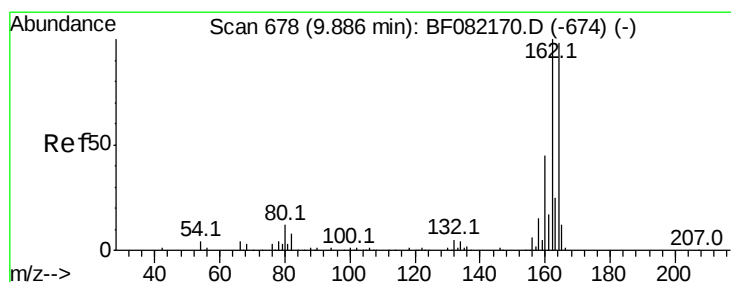
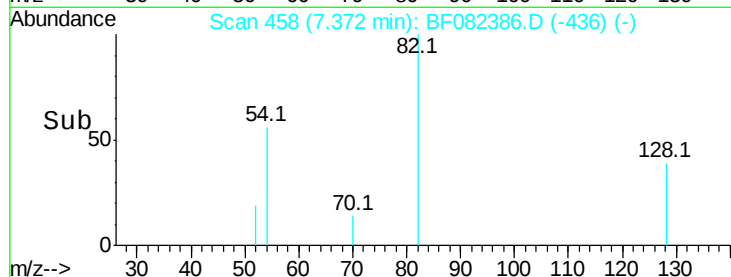
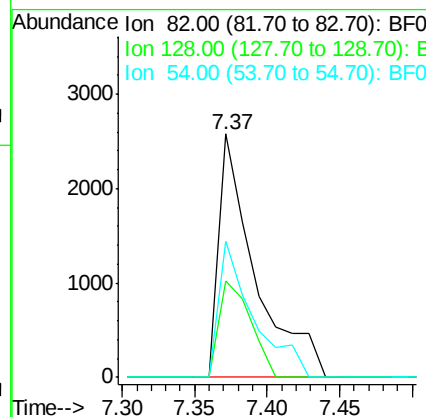
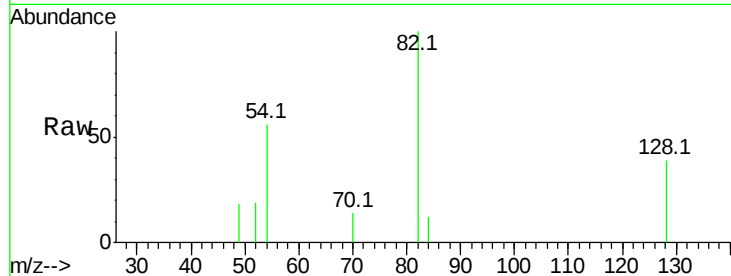
#23
Nitrobenzene-d5
Concen: 0.79 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Instrument :
BNA_F
ClientSampleID :
GOODLUCK902DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	38.7	58.1
54	56.0	40.1	60.1

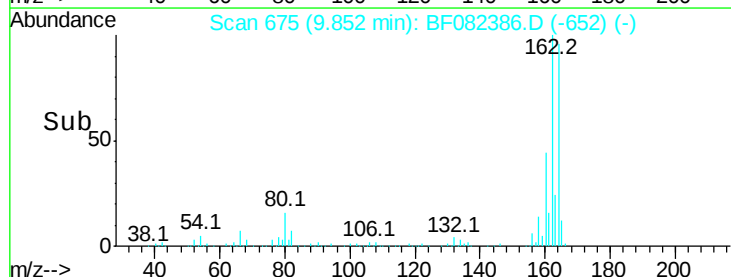
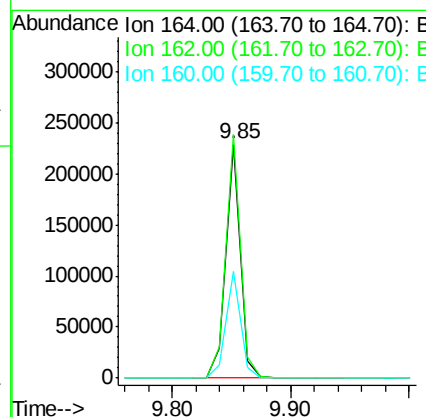
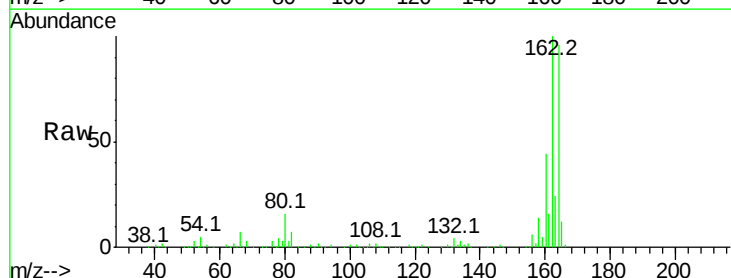
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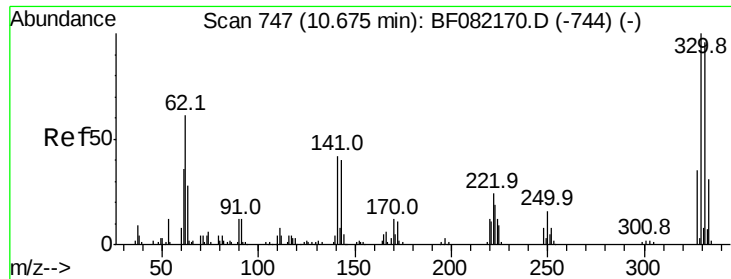
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.6	122.4
160	45.6	36.4	54.6





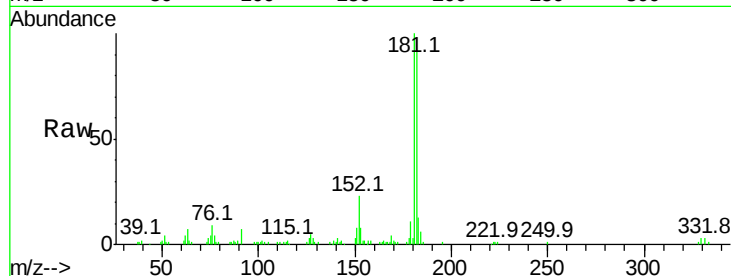
#41
 2,4,6-Tribromophenol
 Concen: 1.43 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL

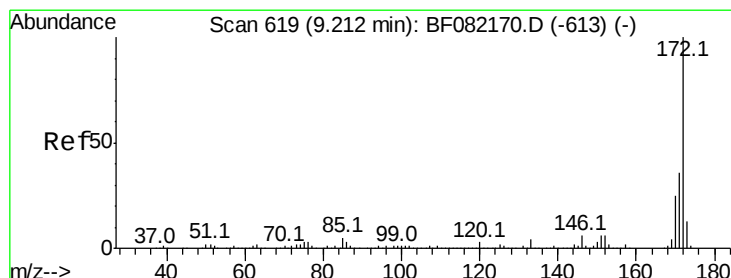
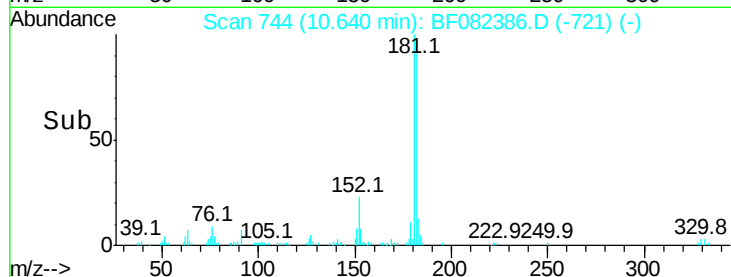
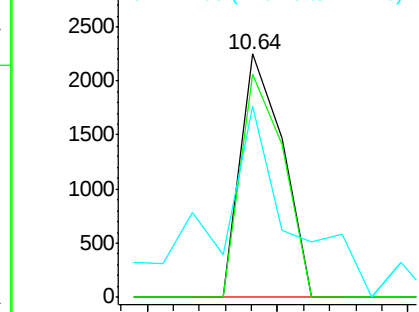
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.1	115.7
141	150.8	29.8	44.8#

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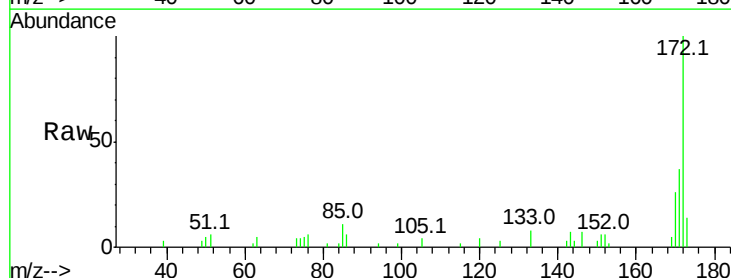


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

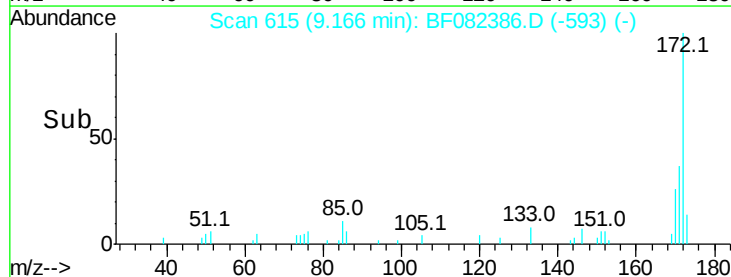
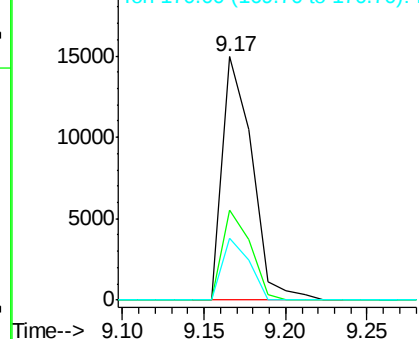


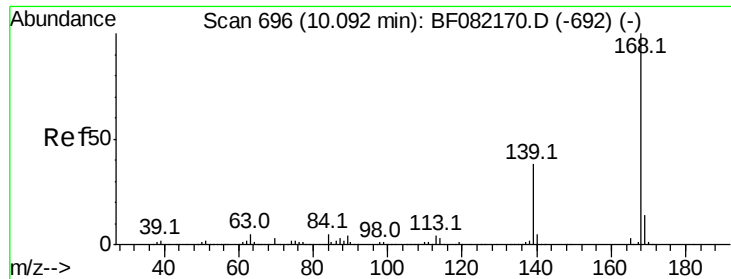
#44
 2-Fluorobiphenyl
 Concen: 1.64 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	42.8
170	25.6	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





#54

Dibenzenofuran

Concen: 3.25 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

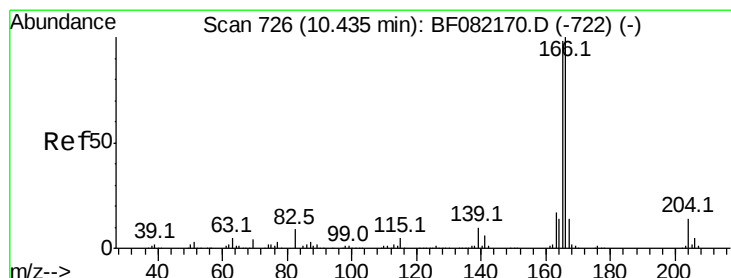
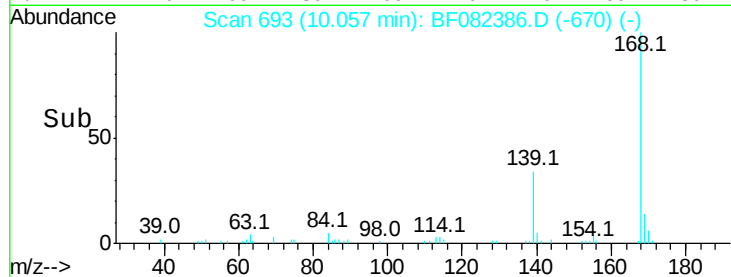
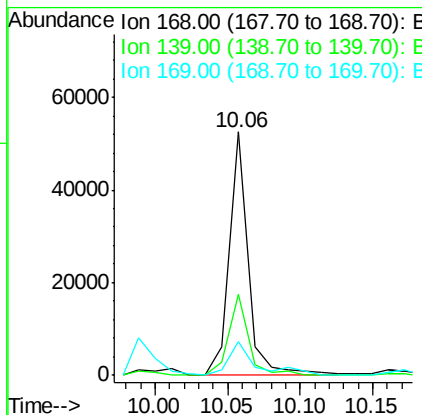
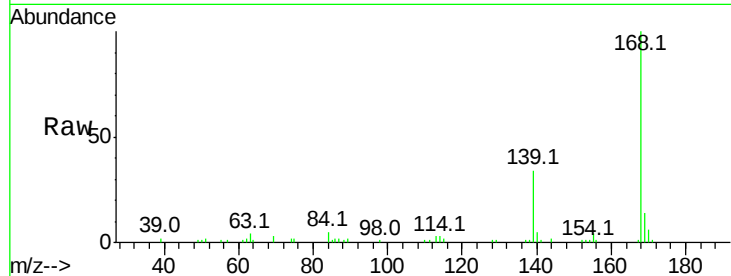
ClientSampleId :

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Tot Ion:	168	Resp:	47793
Ion Ratio	Lower	Upper	
168	100		
139	33.5	31.0	46.6
169	14.0	10.9	16.3

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#57

Fluorene

Concen: 13.47 ng

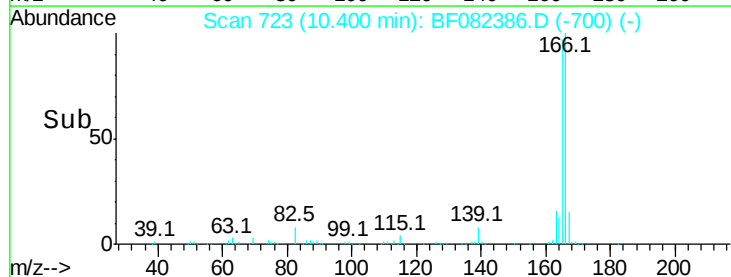
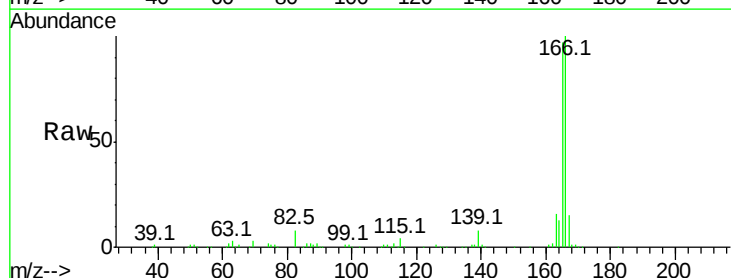
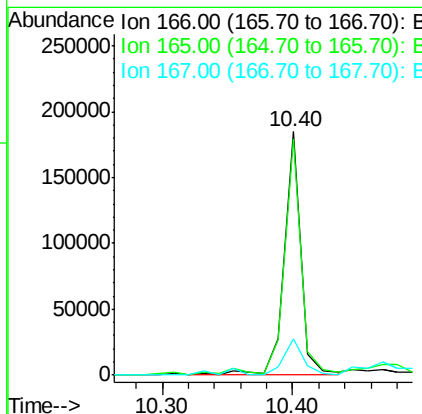
RT: 10.40 min Scan# 723

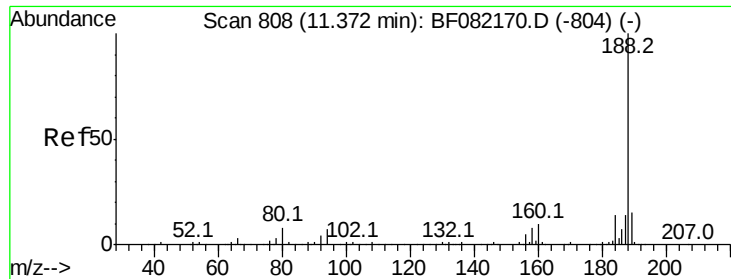
Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Tgt Ion:	166	Resp:	162545
Ion Ratio	Lower	Upper	
166	100		
165	96.8	78.3	117.5
167	14.7	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

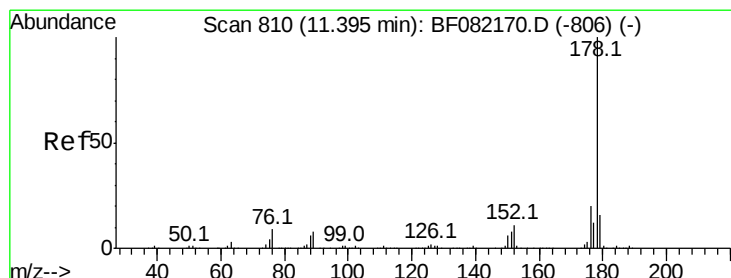
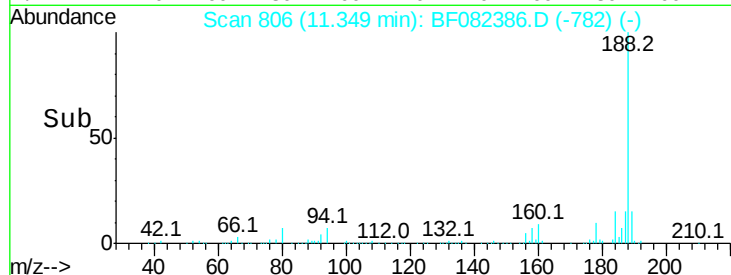
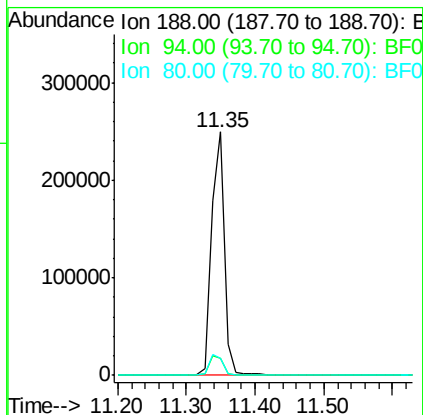
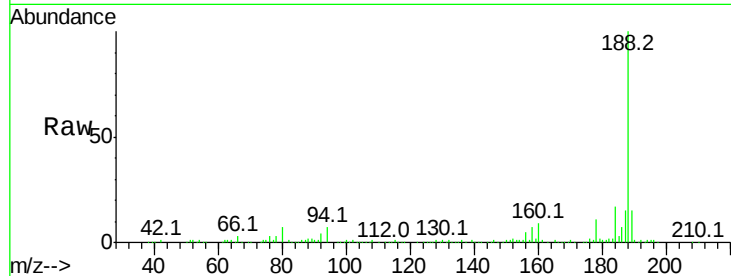
ClientSampleId :

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Tot Ion:188	Resp:	328926
Ion Ratio	Lower	Upper
188 100		
94 7.0	5.8	8.6
80 7.2	6.4	9.6

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#70

Phenanthrene

Concen: 158.49 ng

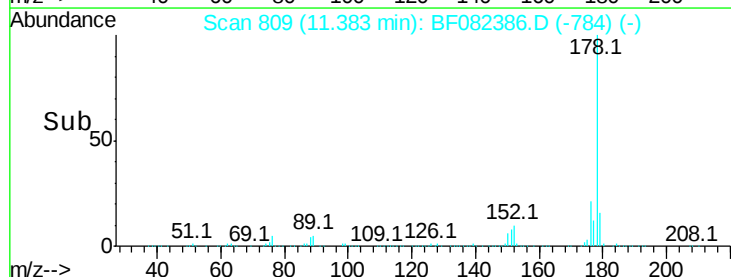
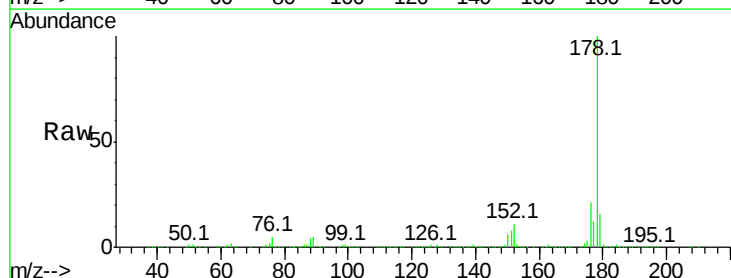
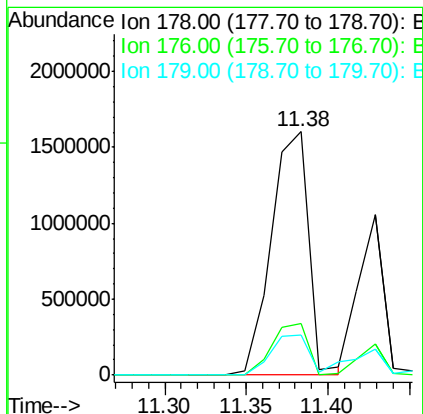
RT: 11.38 min Scan# 809

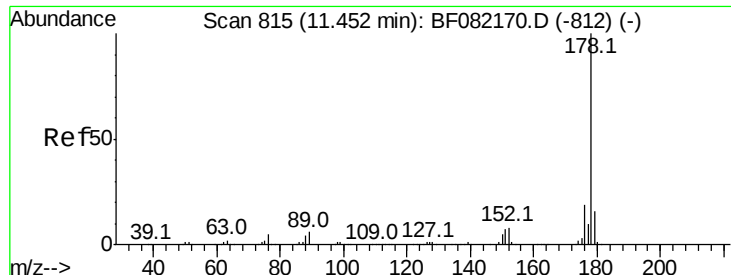
Delta R.T. -0.01 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Tgt Ion:178	Resp:	2555297
Ion Ratio	Lower	Upper
178 100		
176 21.4	16.0	24.0
179 16.4	12.6	19.0





#71
 Anthracene
 Concen: 70.75 ng
 RT: 11.43 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

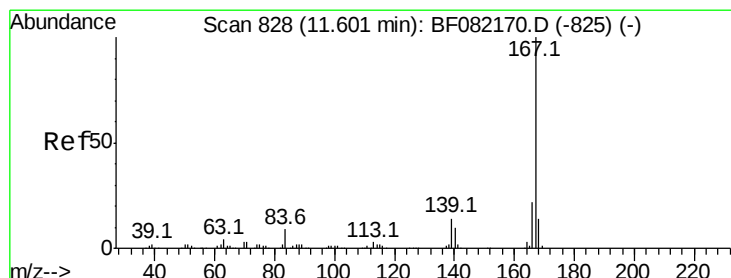
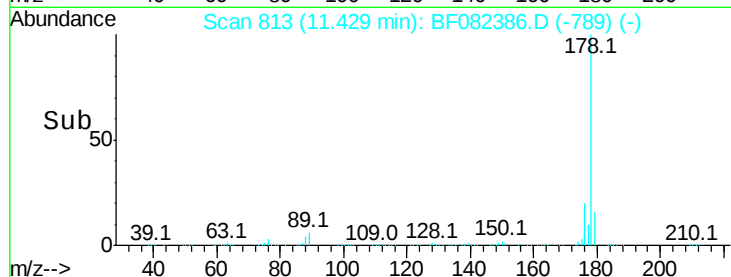
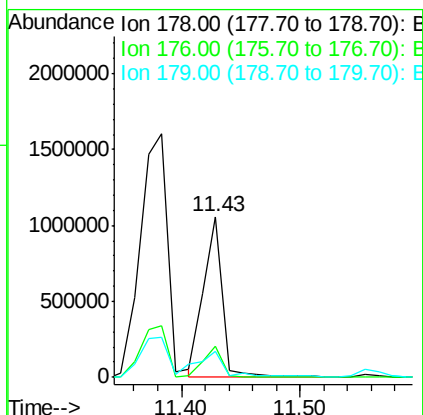
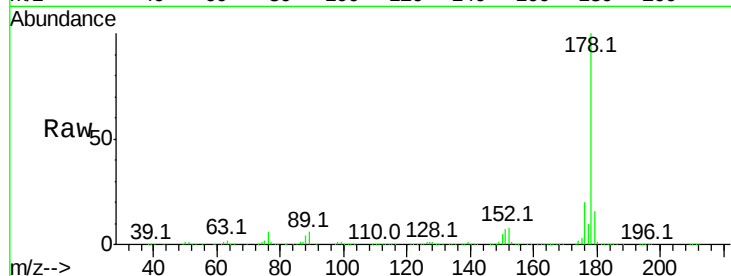
Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL

Tot Ion:178 Resp: 1175473

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	16.0	12.5	18.7

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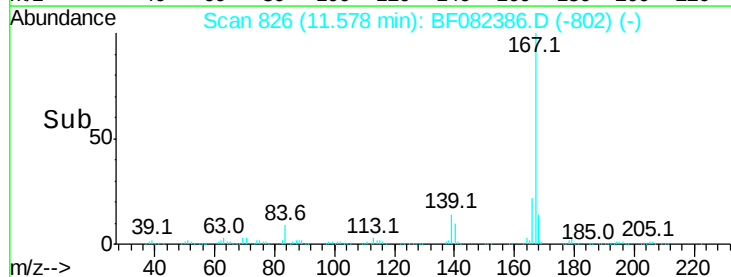
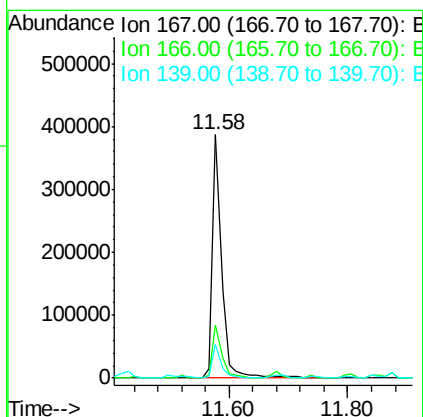
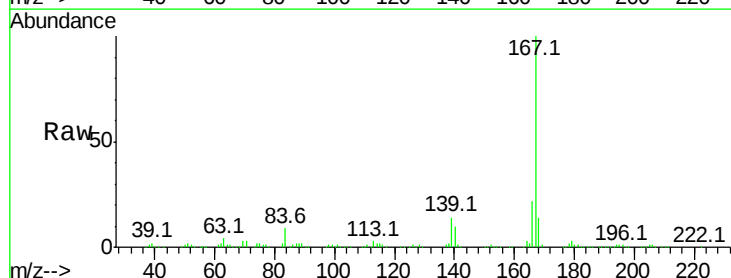
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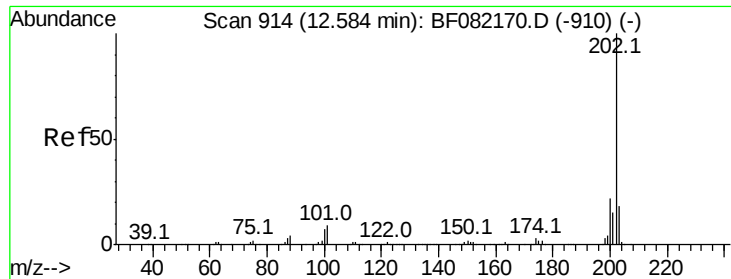


#72
 Carbazole
 Concen: 27.32 ng
 RT: 11.58 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Tgt Ion:167 Resp: 413985

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.7	11.2	16.8





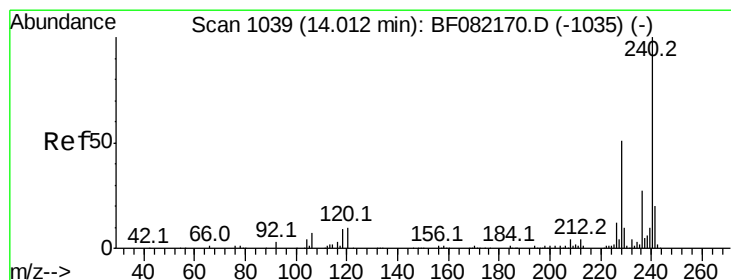
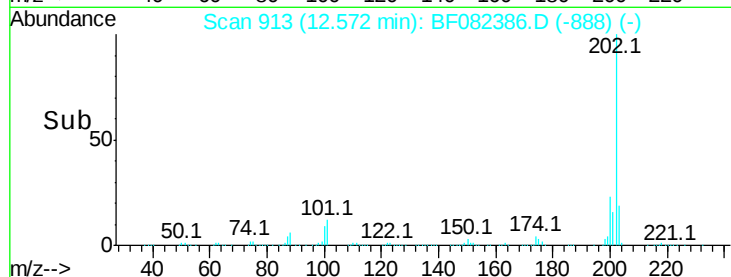
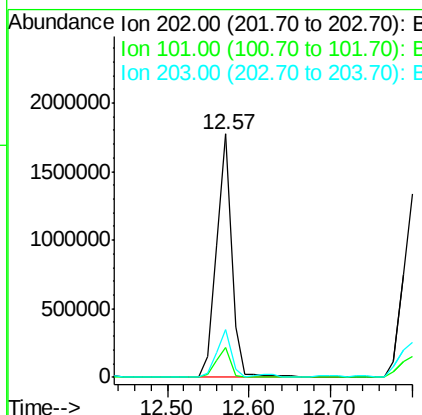
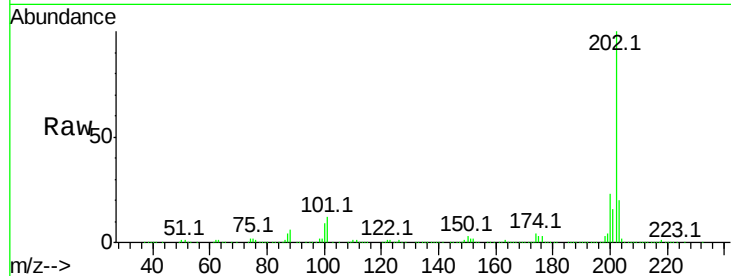
#74
 Fluoranthene
 Concen: 132.47 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	29.3
203	19.5	0.0	37.8

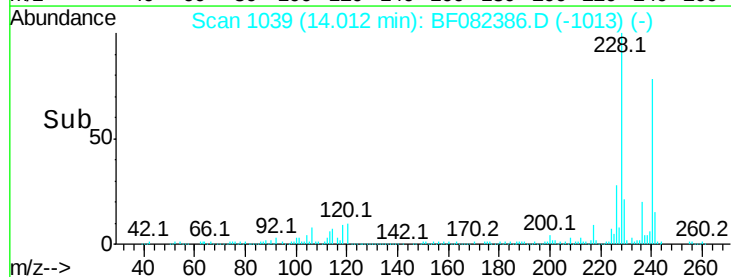
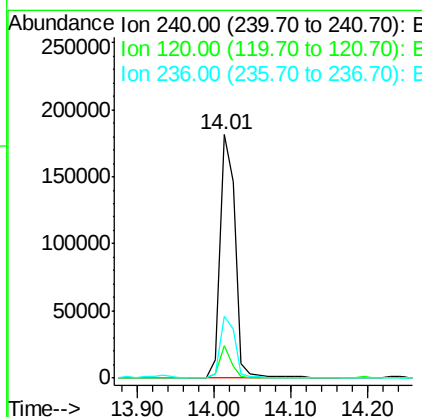
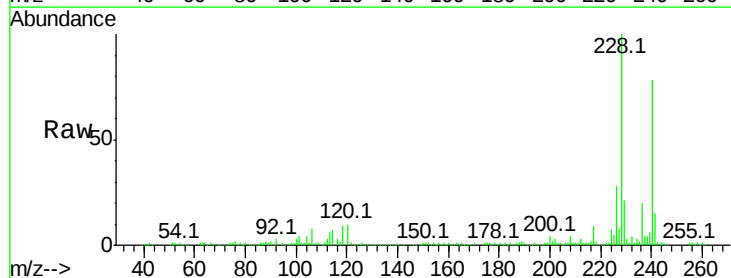
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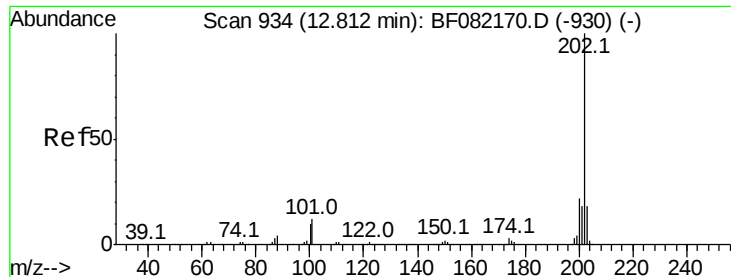
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.1	12.1#
236	25.5	21.3	31.9





#77

Pvrene

Concen: 105.38 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

ClientSampleId :

GOODLUCK902DL

Tot Ion:202 Resp: 1563483

Ion Ratio Lower Upper

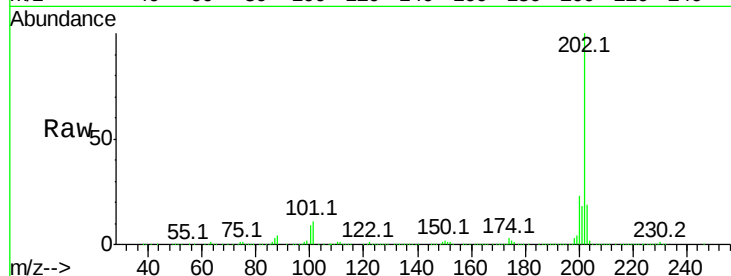
202 100

200 22.5 17.9 26.9

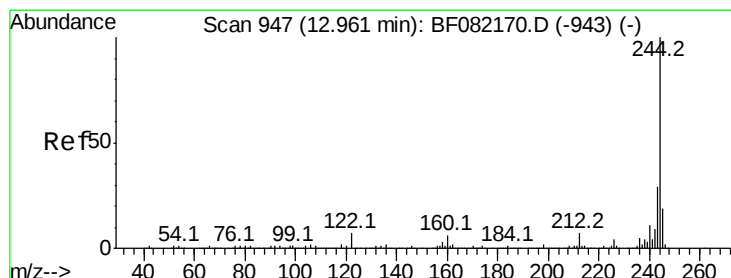
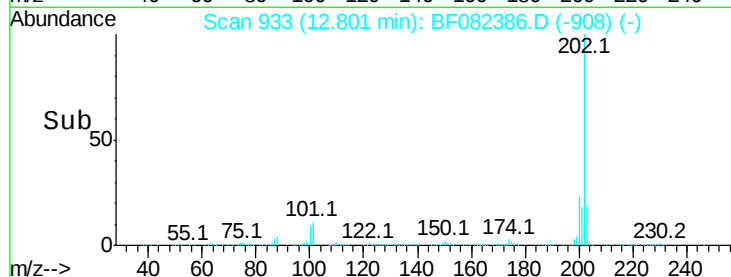
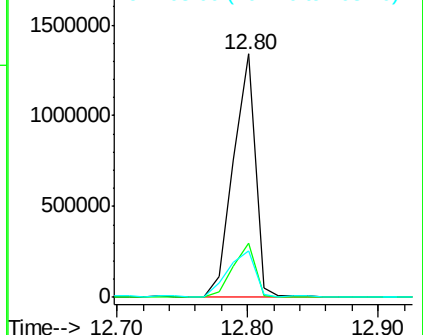
203 19.0 14.5 21.7

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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: 1.99 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

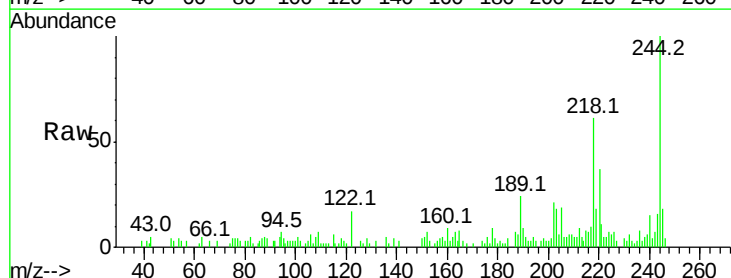
Tgt Ion:244 Resp: 18814

Ion Ratio Lower Upper

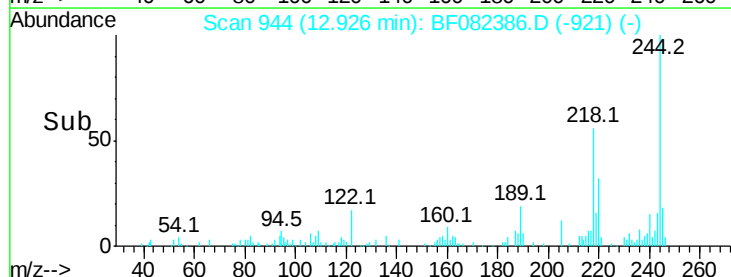
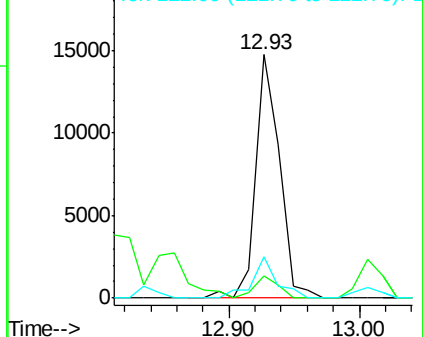
244 100

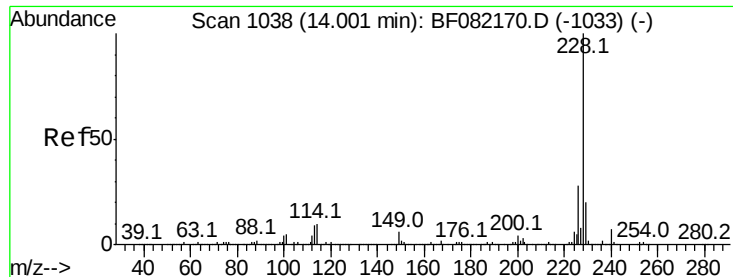
212 9.1 5.8 8.6#

122 17.0 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





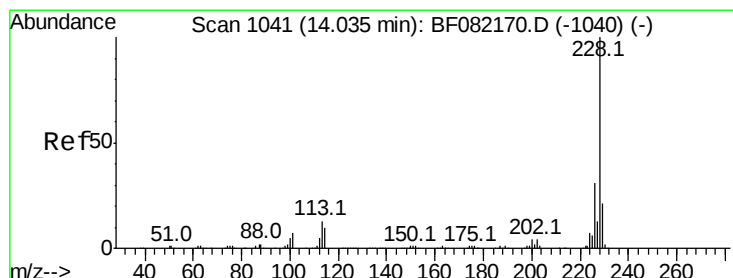
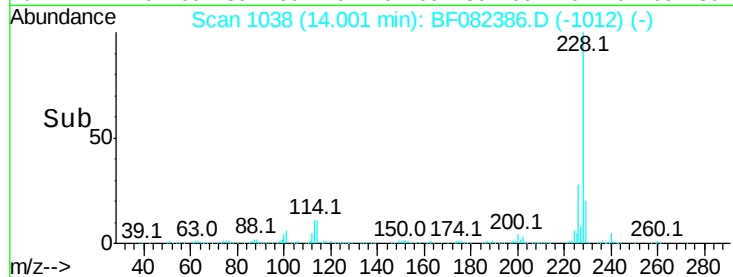
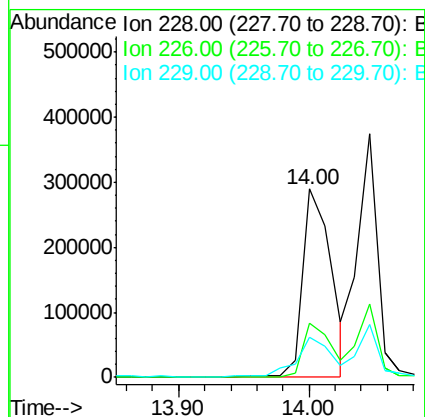
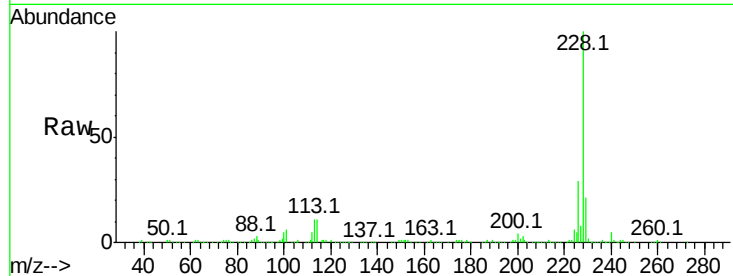
#80
Benzo(a)anthracene
Concen: 33.59 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Instrument :
BNA_F
ClientSampleId :
GOODLUCK902DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.3	33.5
229	21.1	16.2	24.2

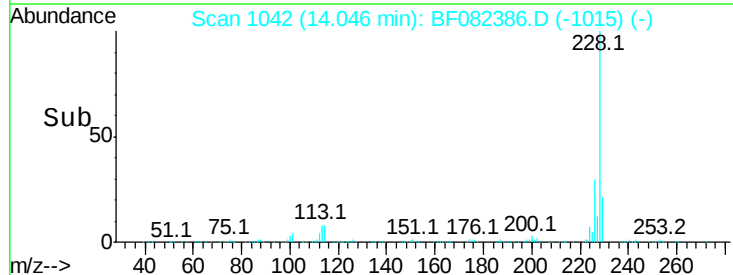
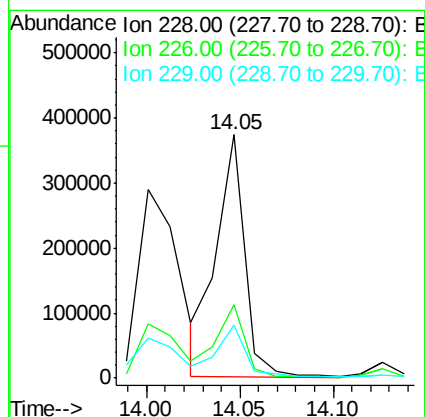
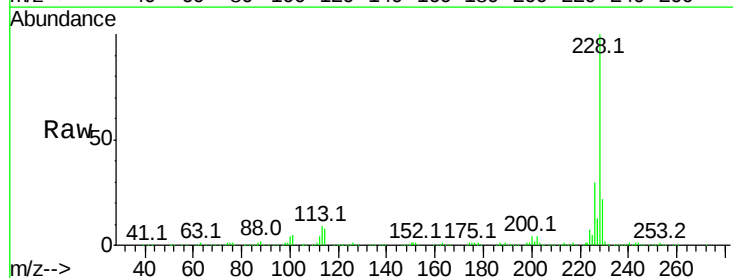
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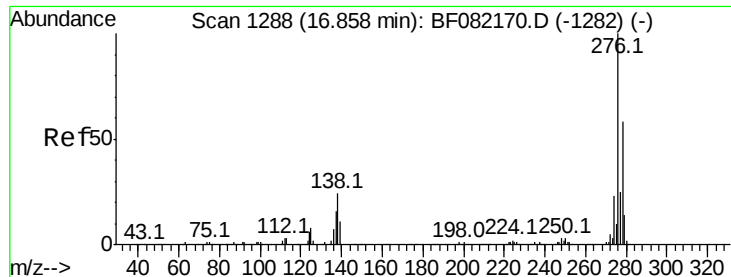
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#82
Chrysene
Concen: 28.86 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	21.7	16.3	24.5





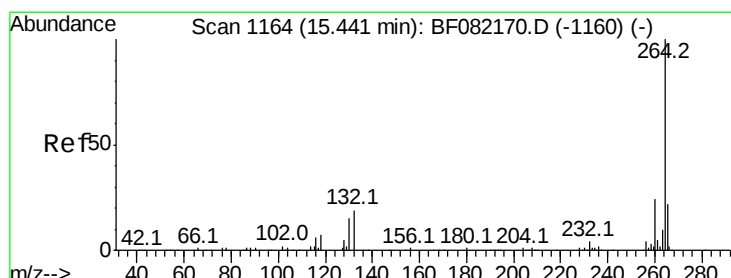
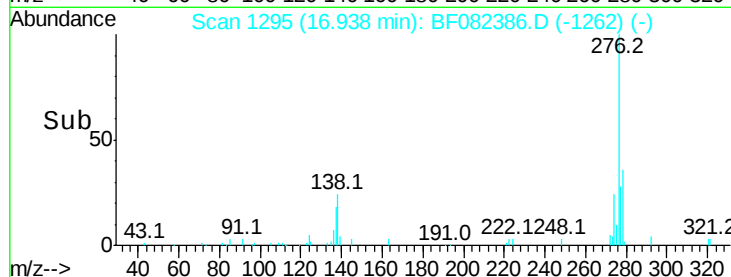
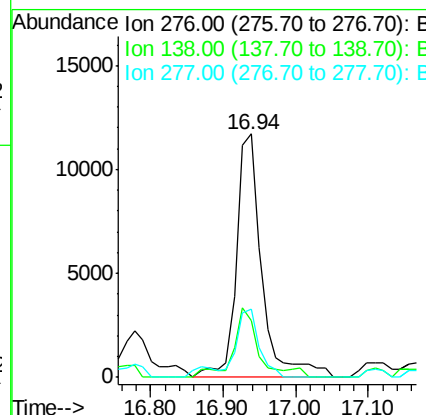
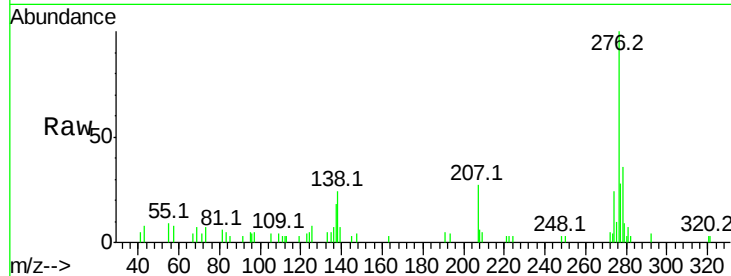
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.62 ng
RT: 16.94 min Scan# 1295
Delta R.T. 0.08 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Instrument :
BNA_F
ClientSampleId :
GOODLUCK902DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	19.7	29.5
277	24.9	20.1	30.1

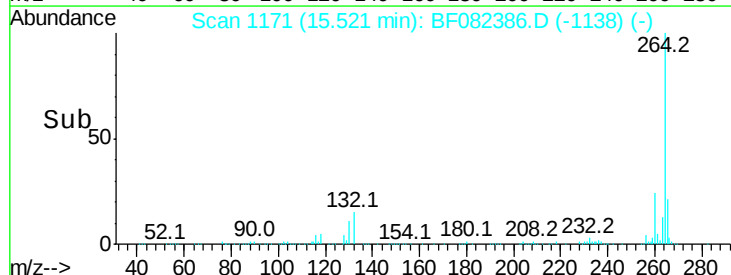
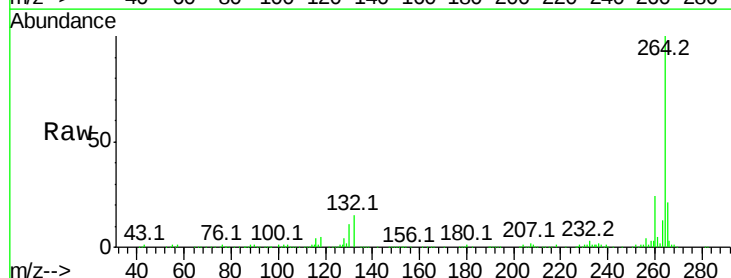
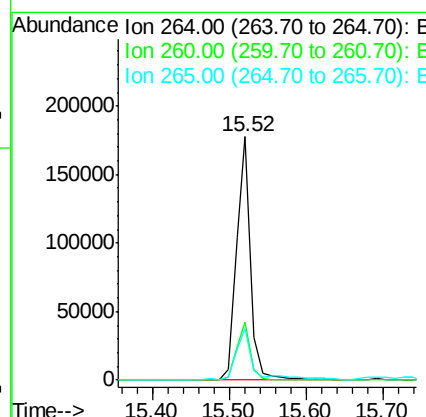
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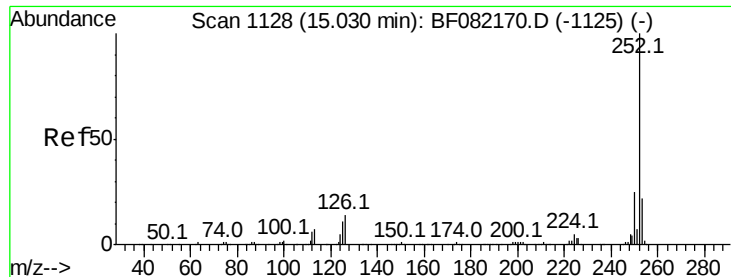
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.08 min
Lab File: BF082386.D
Acq: 20 Oct 2015 6:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 14.59 ng m

RT: 15.10 min Scan# 1134

Delta R.T. 0.07 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Instrument :

BNA_F

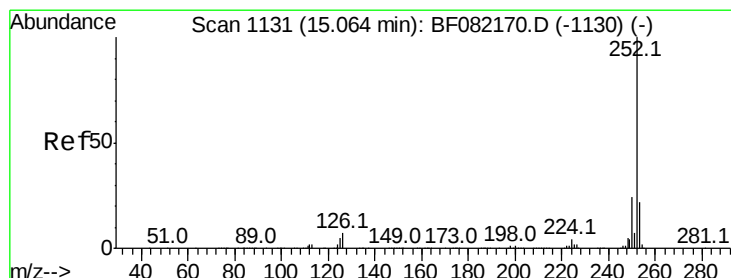
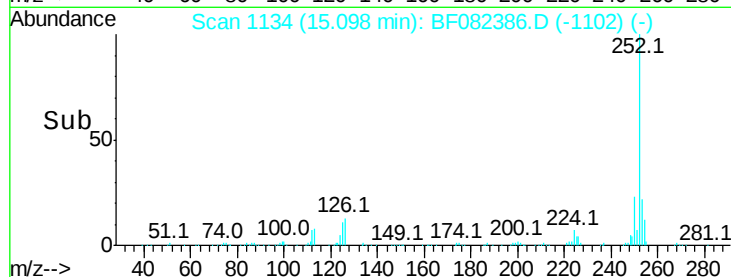
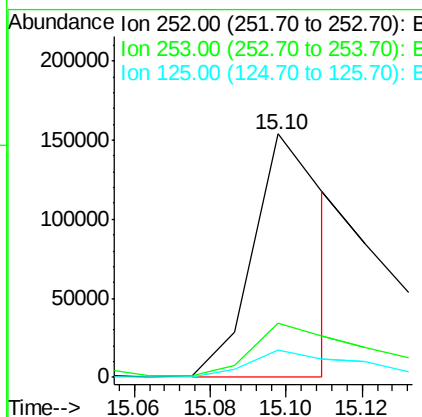
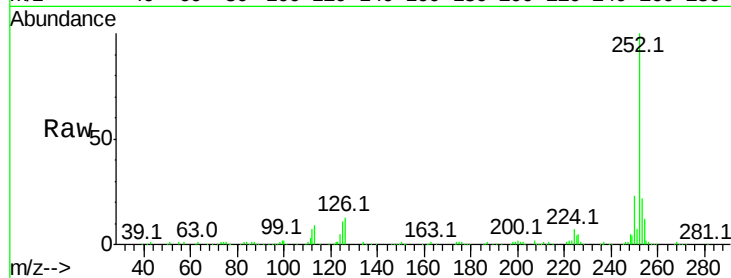
ClientSampleId :

GOODLUCK902DL

Tot Ion:	252	Resp:	205788
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	11.0	8.6	12.8

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#88

Benzo(k)fluoranthene

Concen: 9.16 ng m

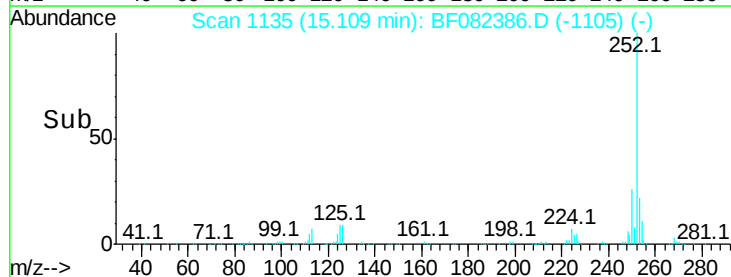
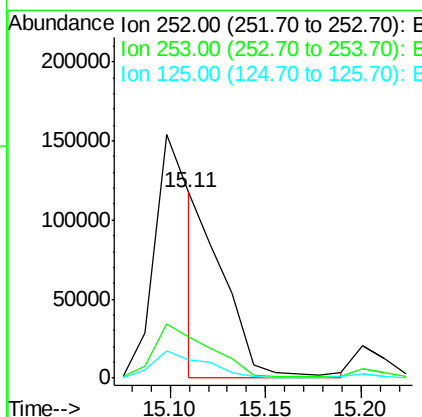
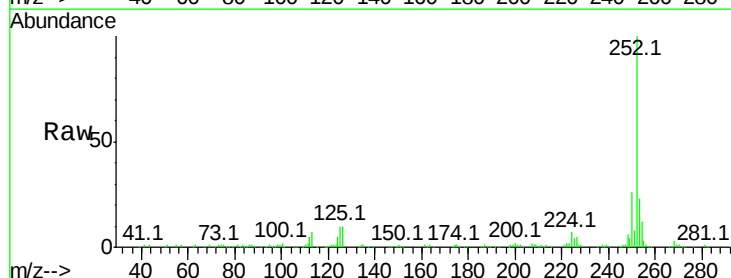
RT: 15.11 min Scan# 1135

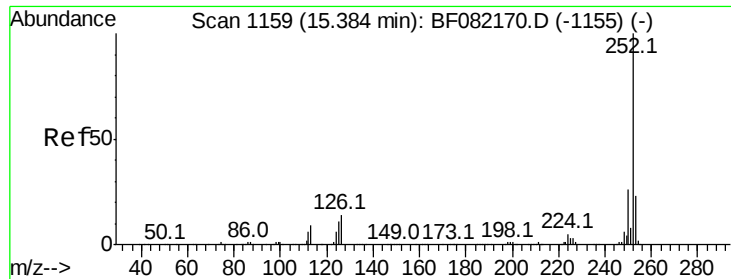
Delta R.T. 0.05 min

Lab File: BF082386.D

Acq: 20 Oct 2015 6:56

Tgt Ion:	252	Resp:	108633
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	9.7	6.7	10.1





#89
 Benzo(a)pyrene
 Concen: 6.11 ng
 RT: 15.45 min Scan# 1165
 Delta R.T. 0.07 min
 Lab File: BF082386.D
 Acq: 20 Oct 2015 6:56

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK902DL

Tot Ion:	252	Resp:	74012
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	12.4	8.9	13.3

Manual Integrations
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