

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082389.D
 Acq On : 20 Oct 2015 8:22
 Operator : UM/IZ
 Sample : G4046-02DL2 250X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58DL2

Manual Integrations
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 10/20/2015 6:26:12 PM

Quant Time: Oct 20 13:15:56 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	84210	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	350338	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	174525	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	301600	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	231620	20.00	ng	0.01
86) Perylene-d12	15.54	264	215371	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.47	99	224	0.04	ng	-0.01
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	2898	0.28	ng	-0.03
78) Terphenyl-d14	12.93	244	2942	0.34	ng	-0.03
Target Compounds						
51) Acenaphthene	9.89	154	38828	3.96	ng	97
54) Dibenzofuran	10.06	168	84452	6.28	ng	95
57) Fluorene	10.40	166	115013	10.41	ng	99
70) Phenanthrene	11.37	178	833857	56.40	ng	99
71) Anthracene	11.42	178	200413	13.16	ng	98
72) Carbazole	11.58	167	95612	6.88	ng	97
74) Fluoranthene	12.56	202	614532	38.70	ng	98
77) Pyrene	12.79	202	363317	26.43	ng	98
80) Benzo(a)anthracene	14.01	228	88982	7.38	ng	99
82) Chrysene	14.05	228	116765m	9.20	ng	
87) Benzo(b)fluoranthene	15.12	252	63817m	4.87	ng	

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

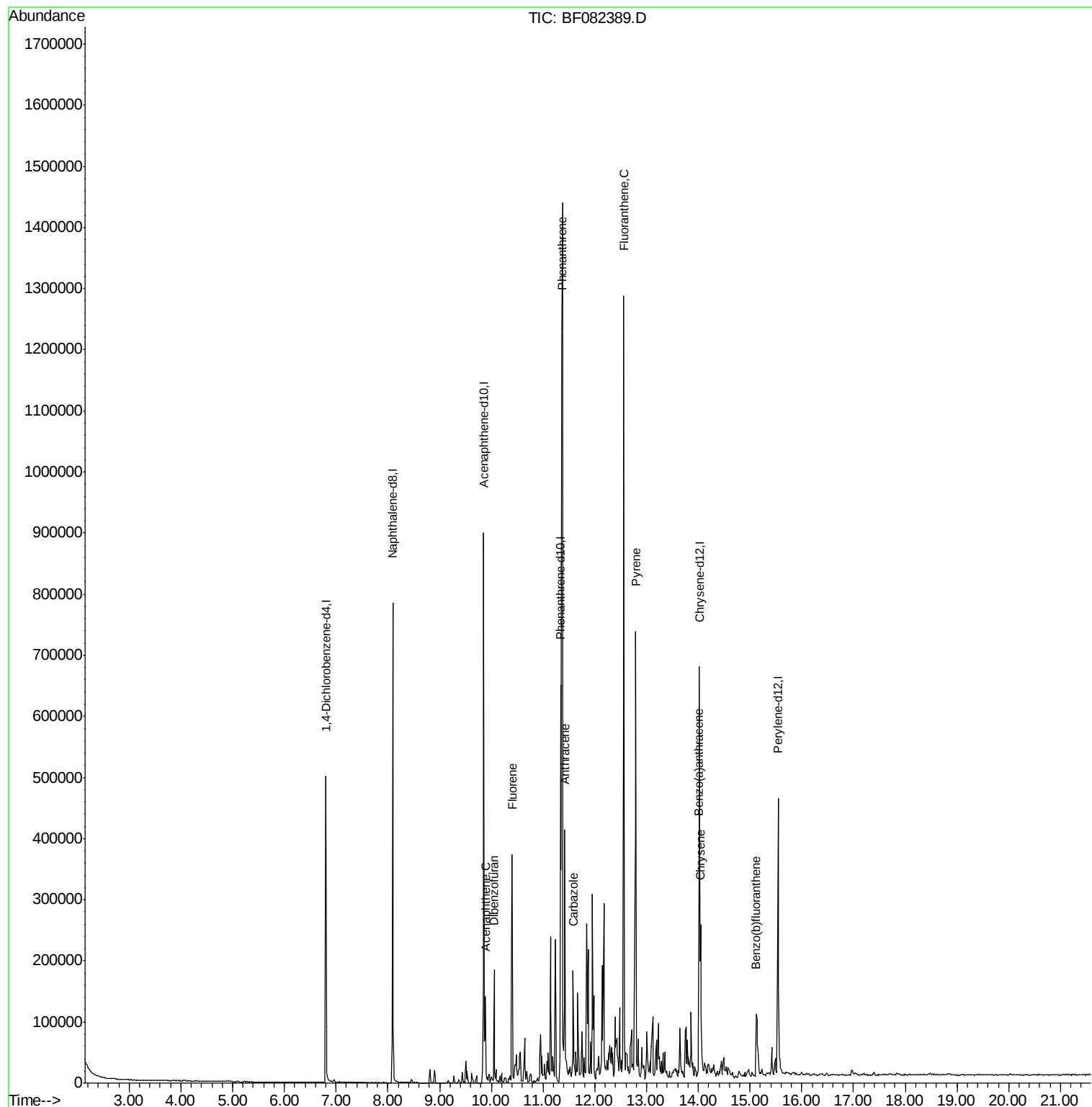
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082389.D
Acq On : 20 Oct 2015 8:22
Operator : UM/IZ
Sample : G4046-02DL2 250X
Misc :
ALS Vial : 36 Sample Multiplier: 1

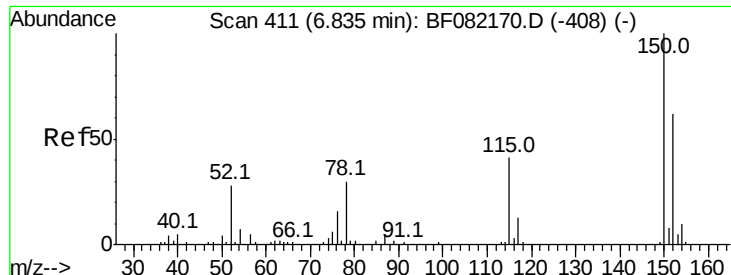
Instrument :
BNA_F
ClientSampleId :
GOODLUCK58DL2

Manual Integrations
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10/20/2015 6:26:12 PM

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Response via : Initial Calibration





#1

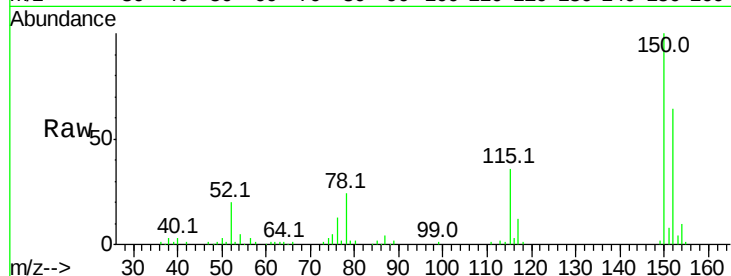
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	129.0	193.4
115	57.1	52.1	78.1

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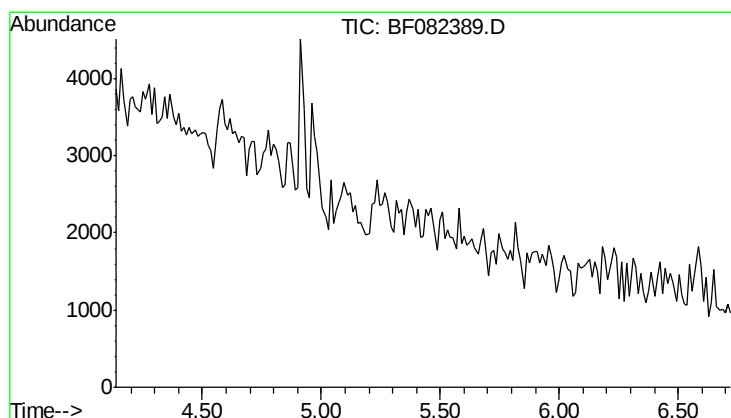
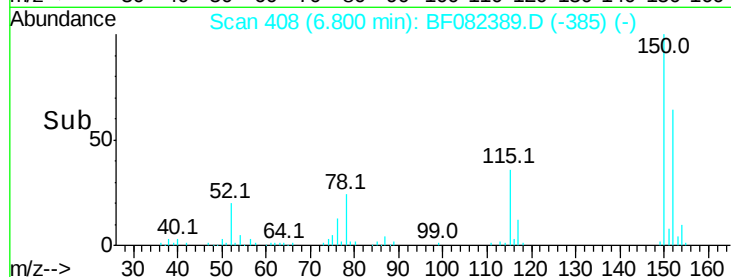
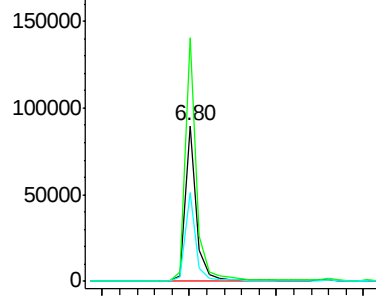


Abundance

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

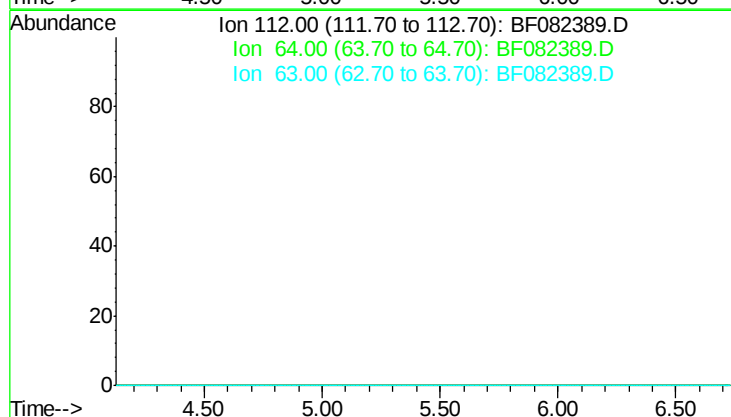


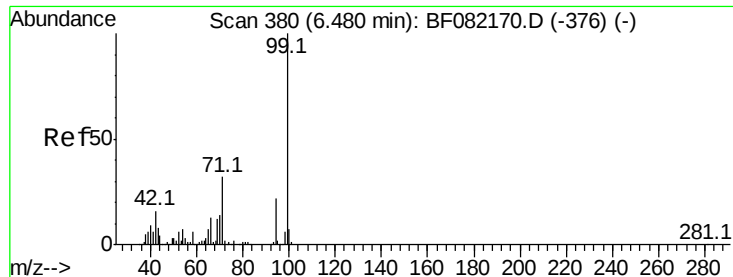
#5

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

Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Tgt Ion	Sig	Exp Ratio
112	100	
64	60.8	
63	31.4	





#7

Phenol-d6

Concen: 0.04 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Instrument :

BNA_F

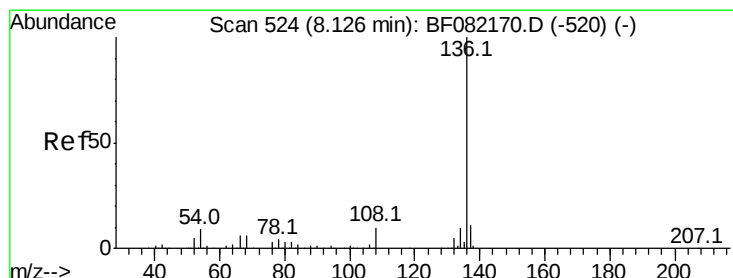
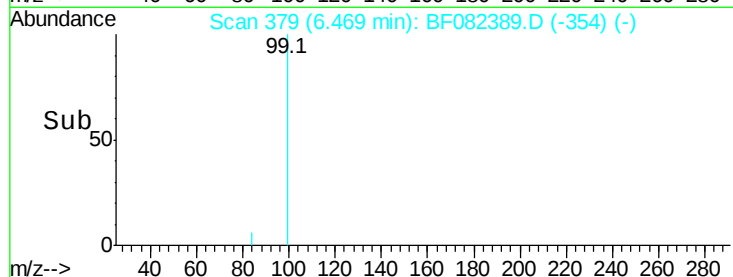
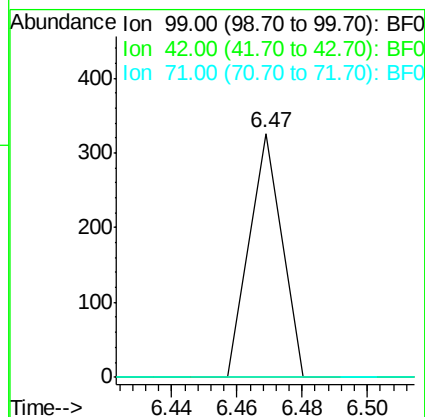
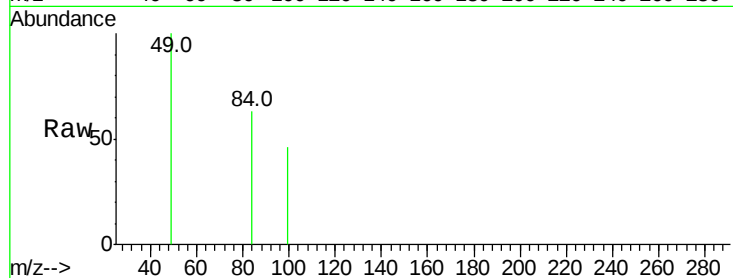
ClientSampleId :

GOODLUCK58DL2

Tot Ion:	99	Resp:	224
Ion Ratio	Lower	Upper	
99	100		
42	0.0	13.2	19.8#
71	0.0	25.6	38.4#

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#21

Naphthalene-d8

Concen: 20.00 ng

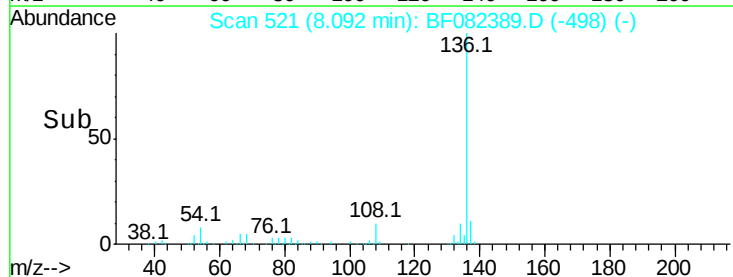
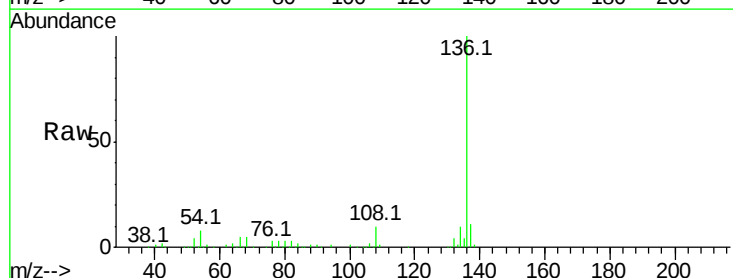
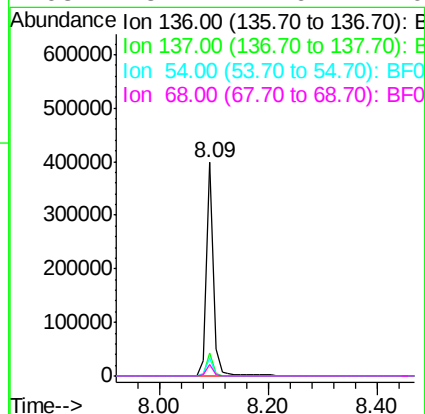
RT: 8.09 min Scan# 521

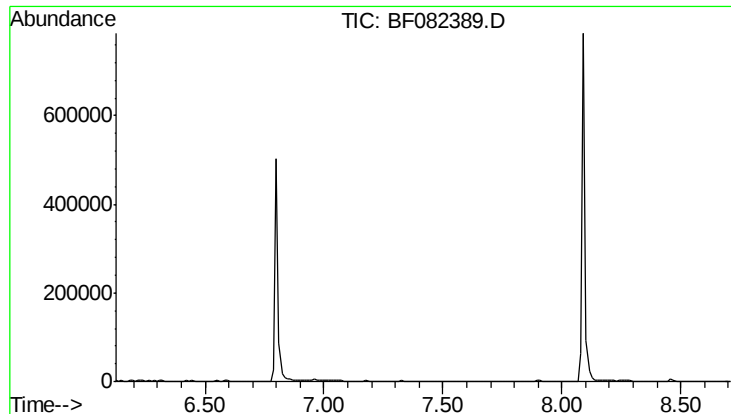
Delta R.T. -0.03 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tgt Ion:	136	Resp:	350338
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.1	7.5	11.3
68	5.2	4.6	7.0





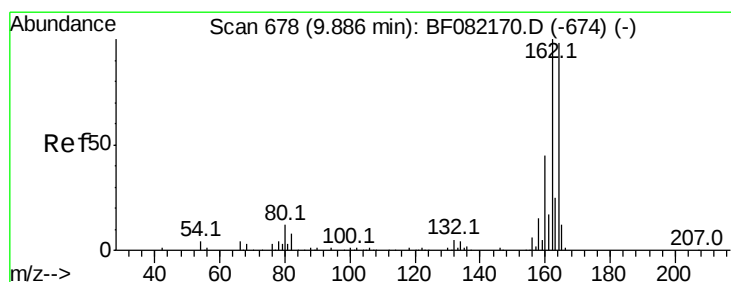
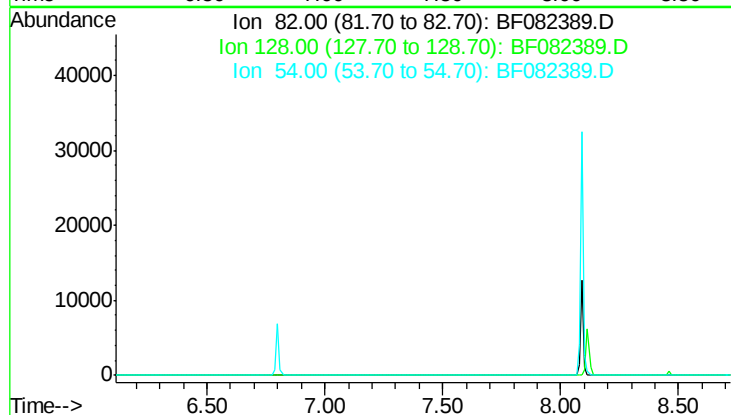
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58DL2

Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1

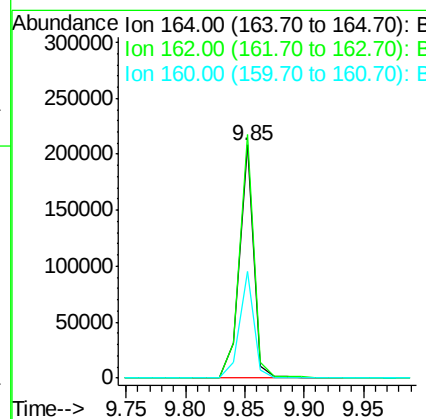
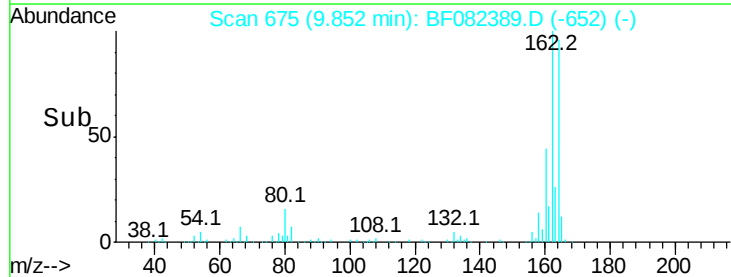
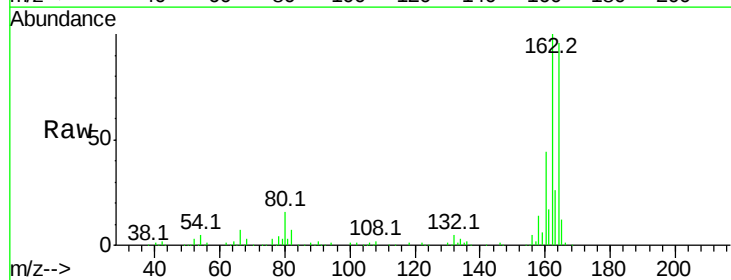
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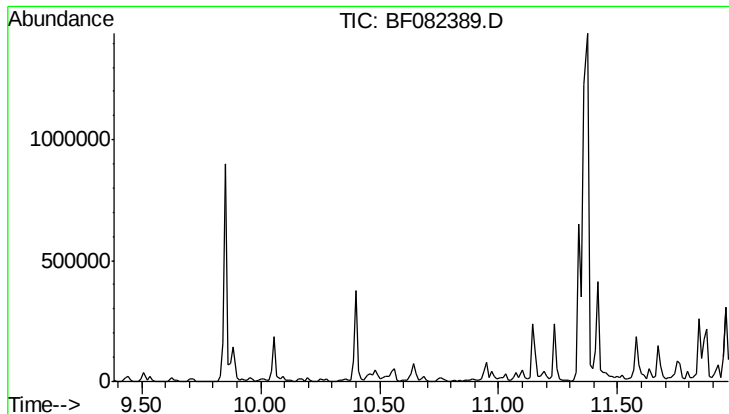
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Tgt Ion	164	Resp	174525
Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.6	122.4
160	45.7	36.4	54.6





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.67 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tot Ion: 330

Sig Exp Ratio

330 100

332 96.4

141 37.3

Instrument :

BNA_F

ClientSampleId :

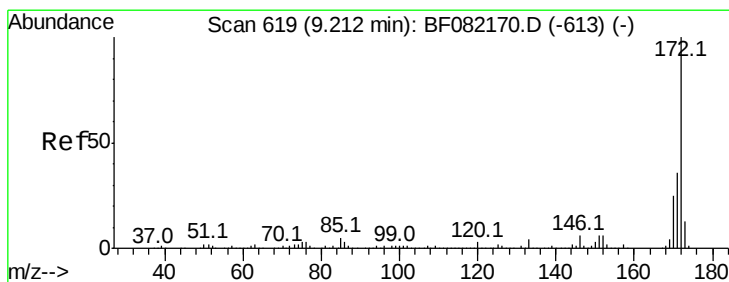
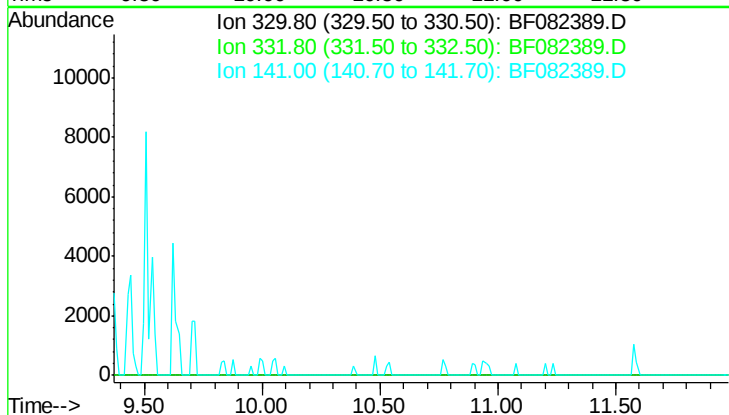
GOODLUCK58DL2

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#44

2-Fluorobiphenyl

Concen: 0.28 ng

RT: 9.18 min Scan# 616

Delta R.T. -0.03 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

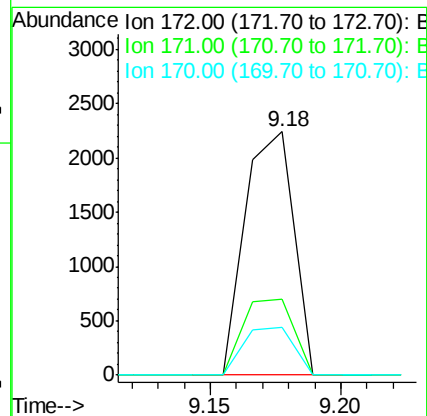
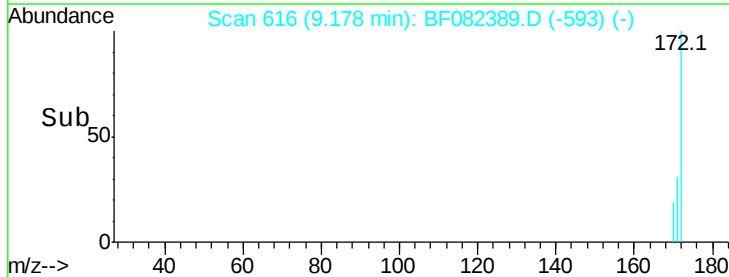
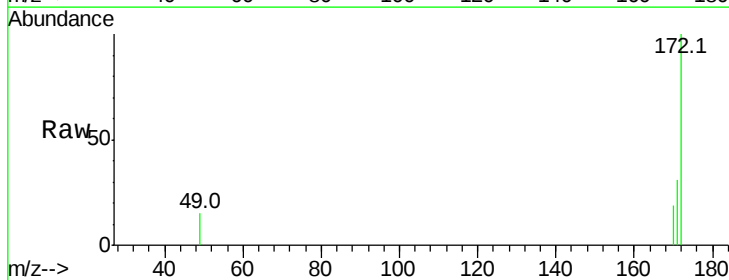
Tgt Ion:172 Resp: 2898

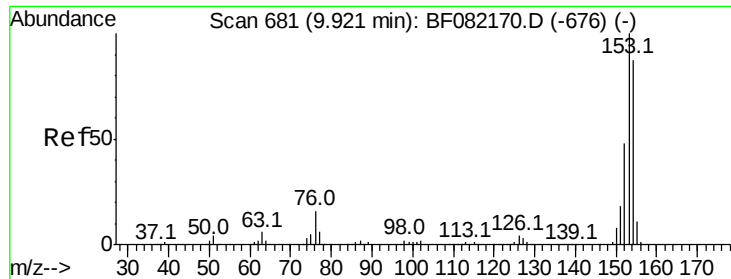
Ion Ratio Lower Upper

172 100

171 31.3 28.6 42.8

170 19.4 19.7 29.5#





#51

Acenaphthene

Concen: 3.96 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Instrument :

BNA_F

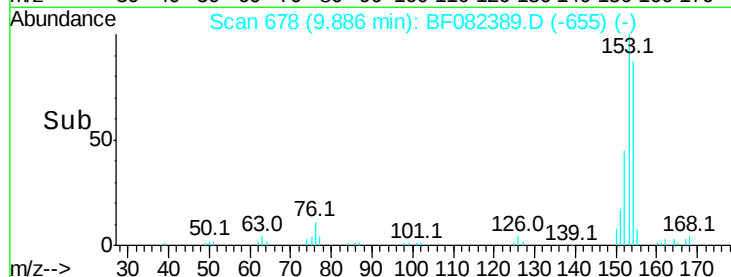
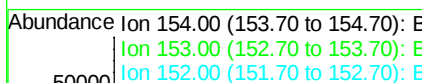
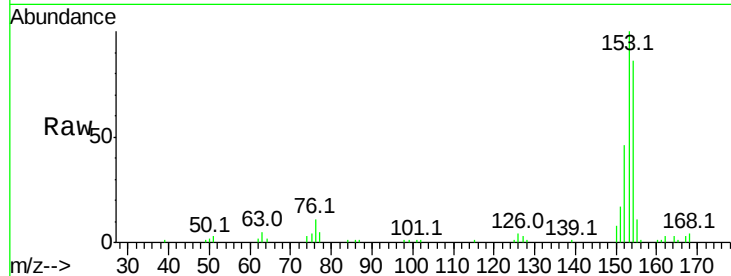
ClientSampleId :

GOODLUCK58DL2

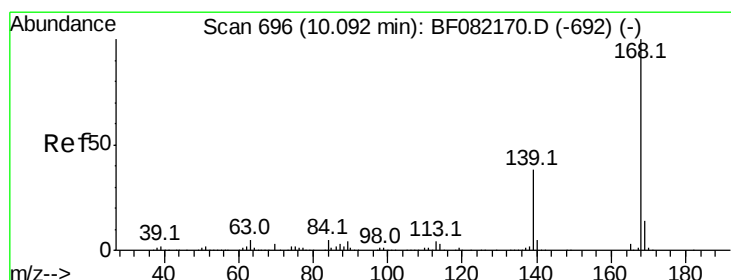
Tot Ion:	154	Resp:	38828
Ion Ratio	Lower	Upper	
154	100		
153	116.9	91.4	137.2
152	53.2	44.3	66.5

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Time-->



#54

Dibenzofuran

Concen: 6.28 ng

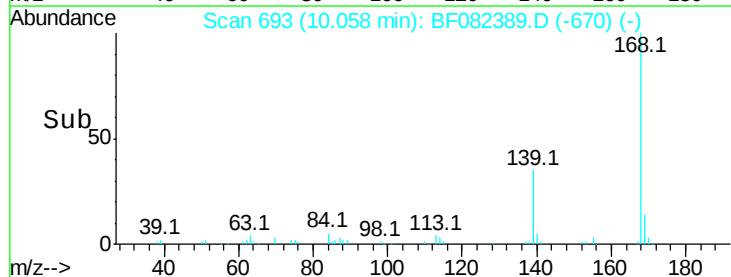
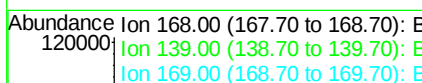
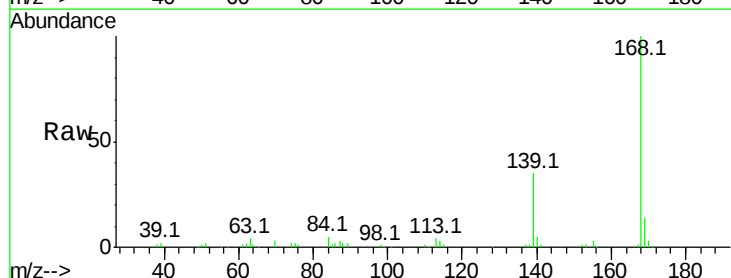
RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

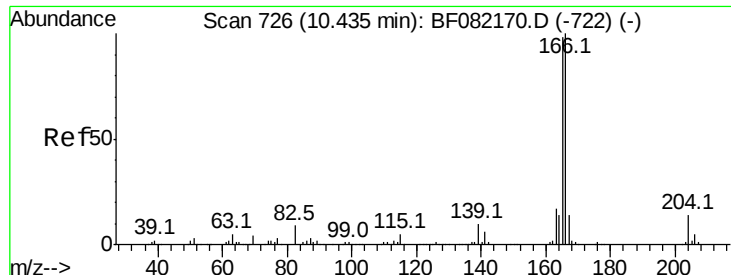
Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tgt Ion:	168	Resp:	84452
Ion Ratio	Lower	Upper	
168	100		
139	35.1	31.0	46.6
169	13.9	10.9	16.3



Time-->



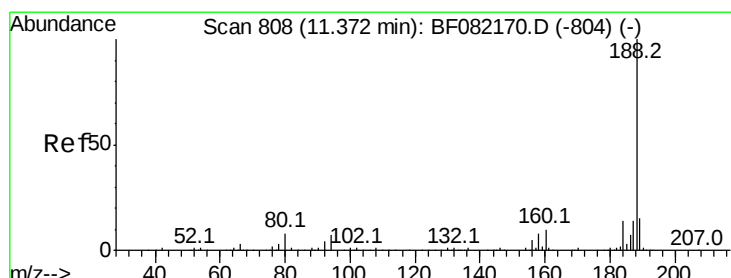
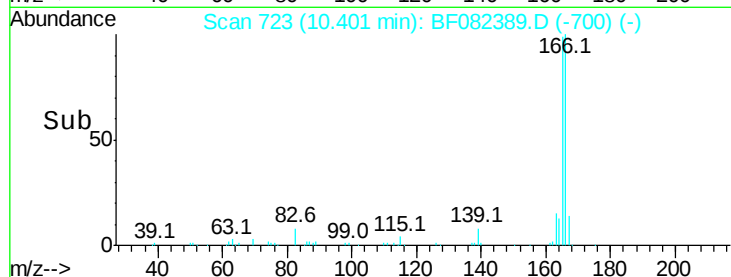
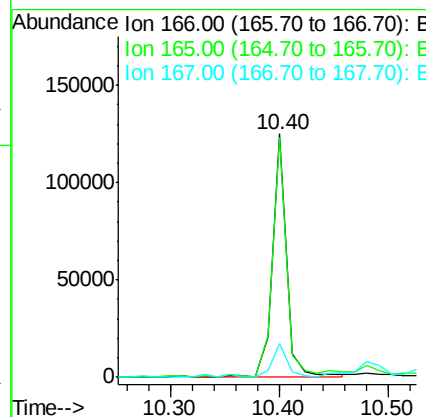
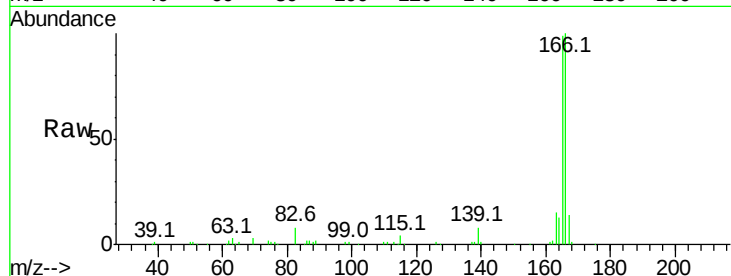
#57
Fluorene
 Concen: 10.41 ng
 RT: 10.40 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58DL2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	115013		
165	98.6	78.3	117.5	
167	13.9	10.8	16.2	

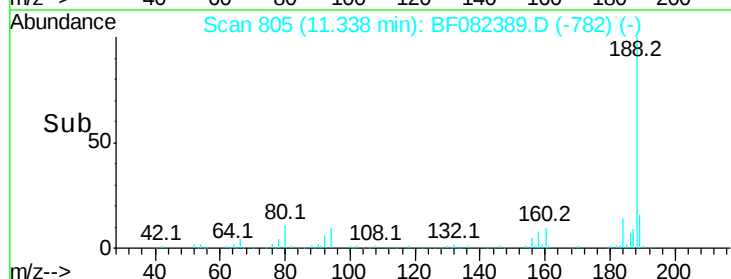
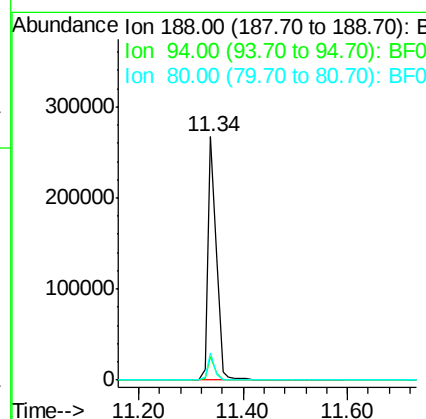
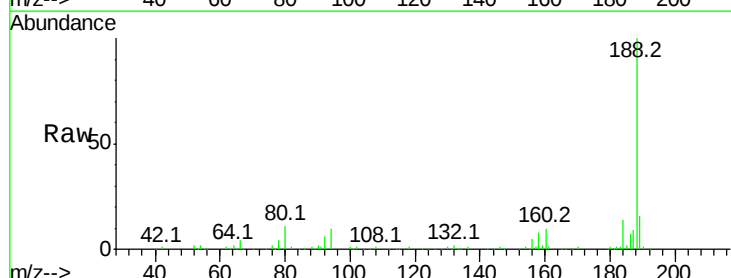
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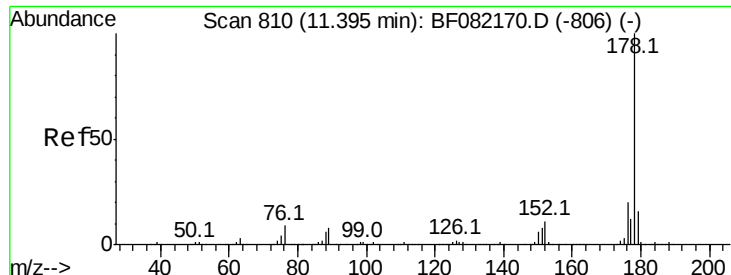
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301600		
94	9.8	5.8	8.6#	
80	11.0	6.4	9.6#	





#70

Phenanthrene

Concen: 56.40 ng

RT: 11.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Instrument :

BNA_F

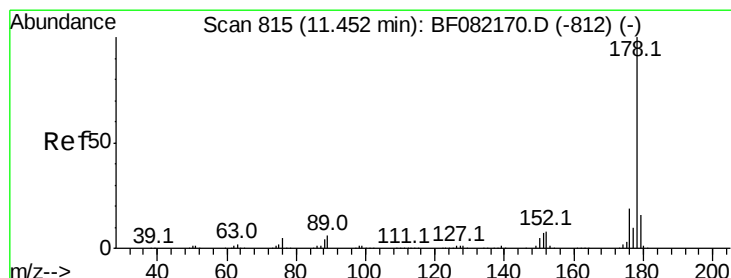
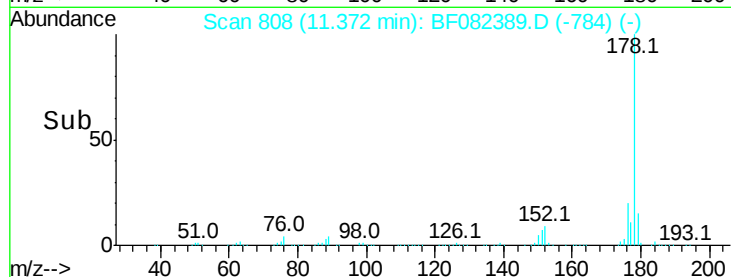
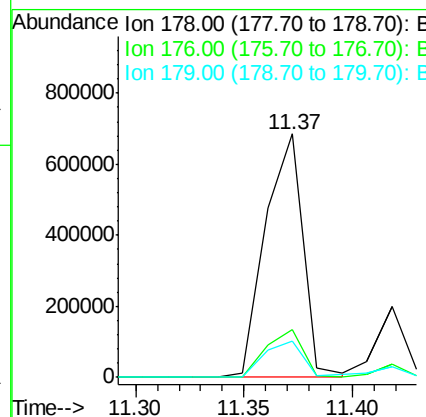
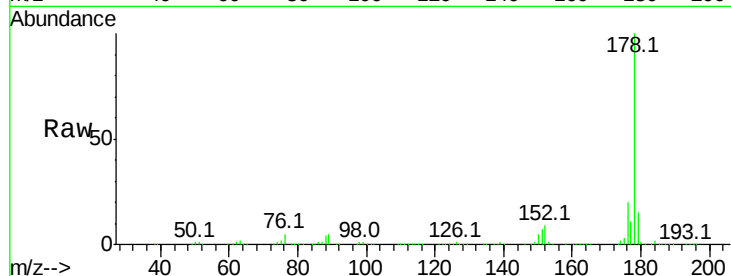
ClientSampleId :

GOODLUCK58DL2

Tot Ion:	178	Resp:	833857
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.0	24.0
179	14.9	12.6	19.0

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#71

Anthracene

Concen: 13.16 ng

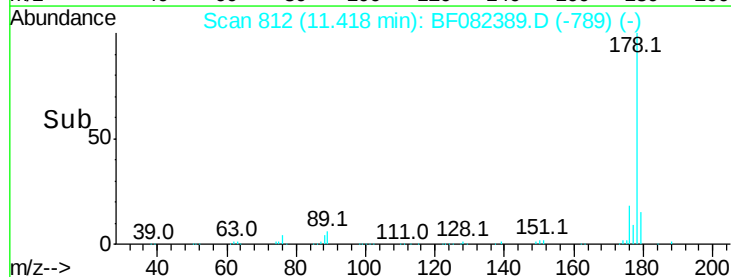
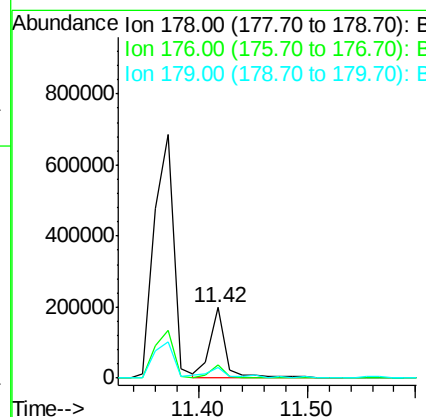
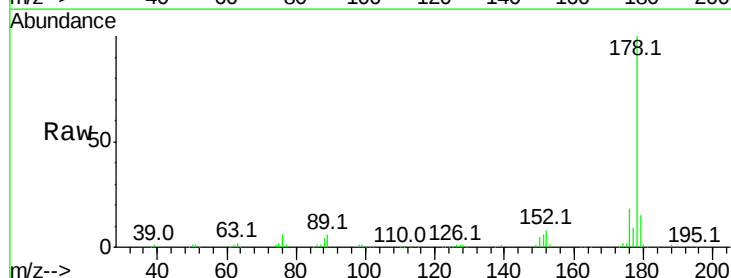
RT: 11.42 min Scan# 812

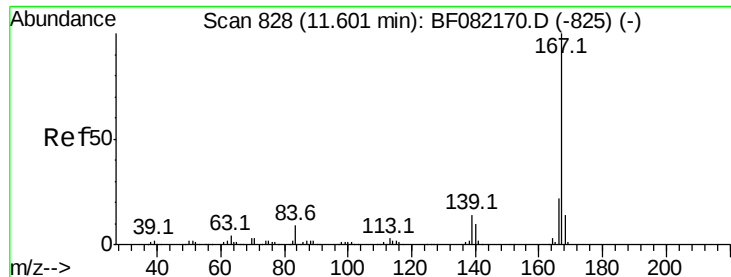
Delta R.T. -0.03 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tgt Ion:	178	Resp:	200413
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.0
179	15.0	12.5	18.7





#72

Carbazole

Concen: 6.88 ng

RT: 11.58 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Instrument :

BNA_F

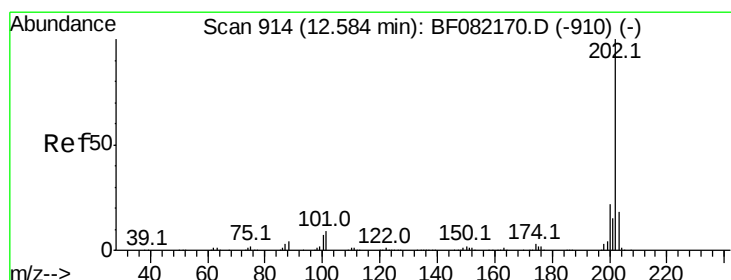
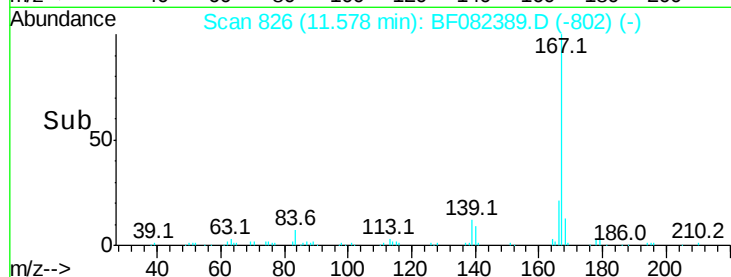
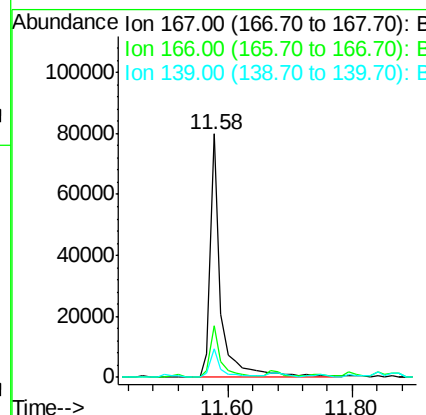
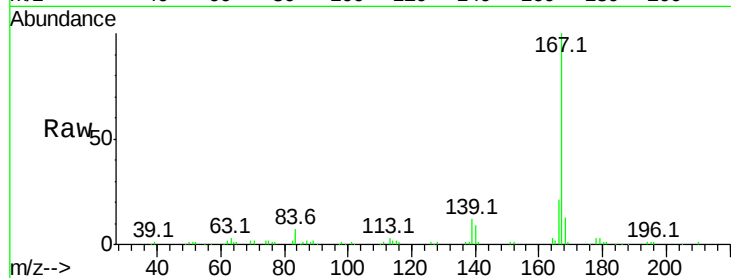
ClientSampleId :

GOODLUCK58DL2

Tot Ion:	167	Resp:	95612
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.3	25.9
139	11.8	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 38.70 ng

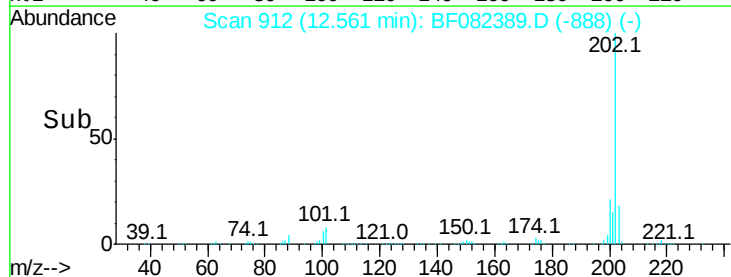
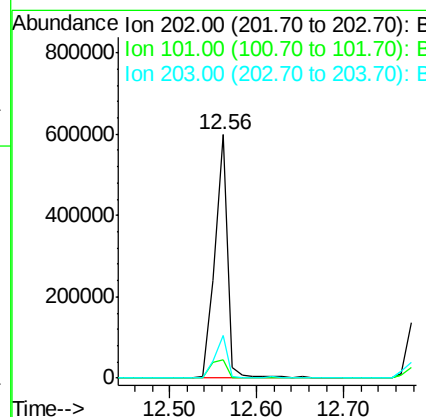
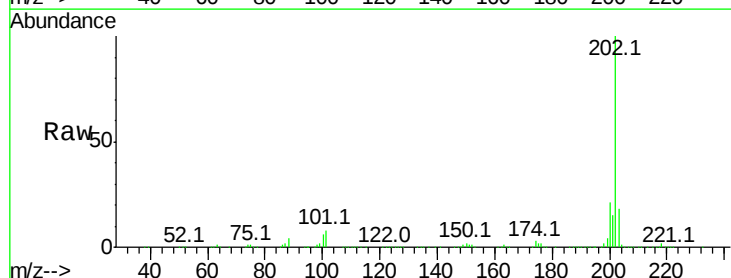
RT: 12.56 min Scan# 912

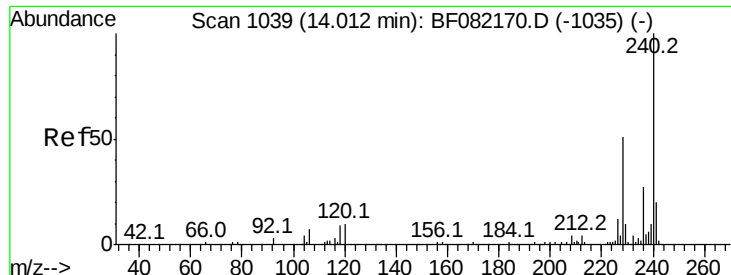
Delta R.T. -0.02 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tgt Ion:	202	Resp:	614532
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	29.3
203	17.7	0.0	37.8





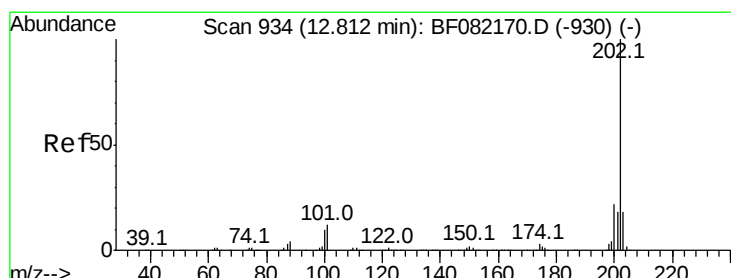
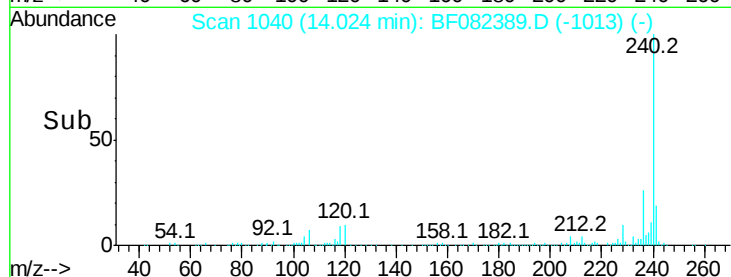
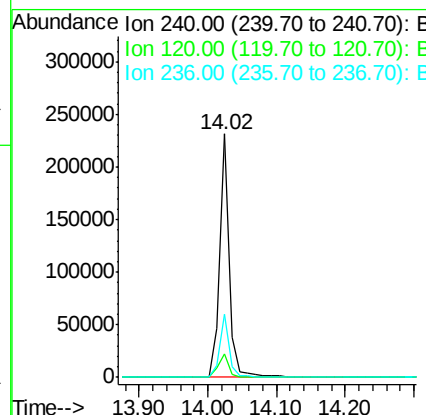
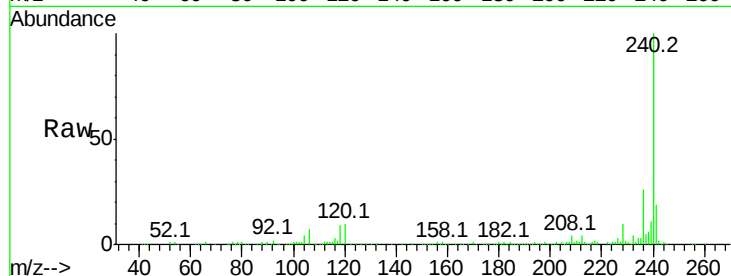
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF082389.D
Acq: 20 Oct 2015 8:22

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58DL2

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	8.1	12.1
236	25.9	21.3	31.9

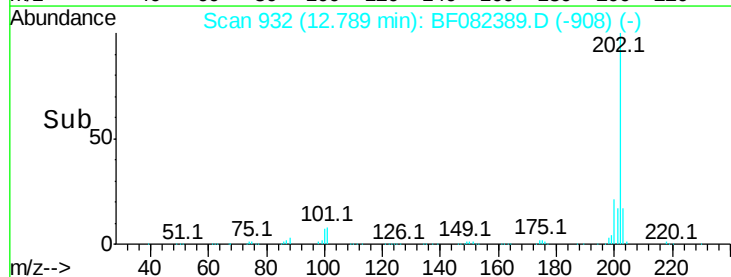
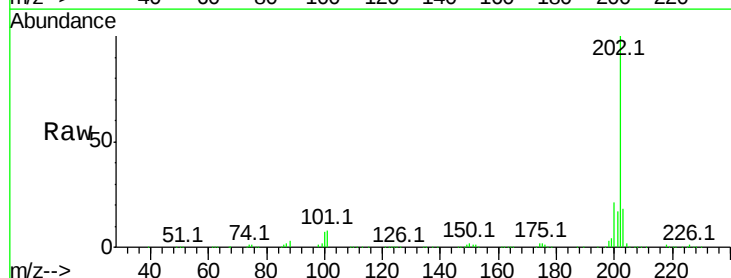
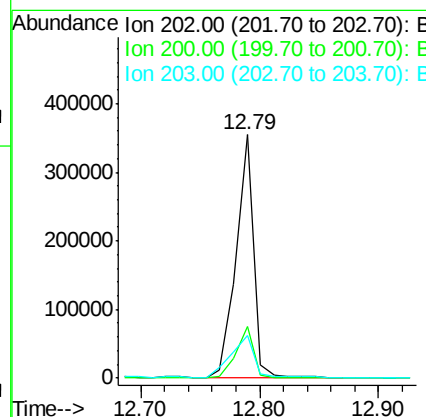
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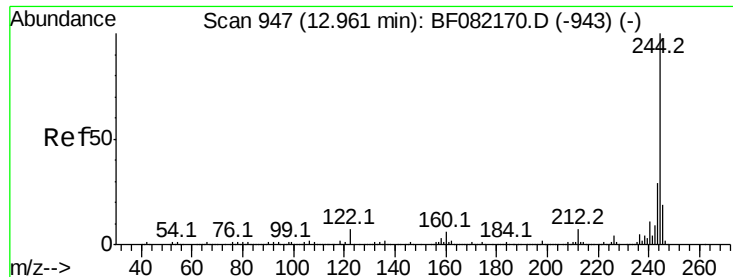
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#77
Pyrene
Concen: 26.43 ng
RT: 12.79 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF082389.D
Acq: 20 Oct 2015 8:22

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.9	26.9
203	17.5	14.5	21.7





#78

Terphenyl-d14

Concen: 0.34 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Instrument :

BNA_F

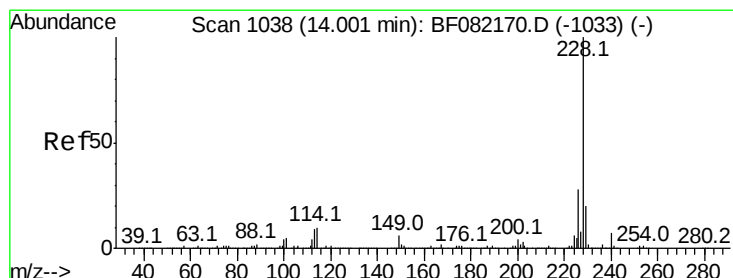
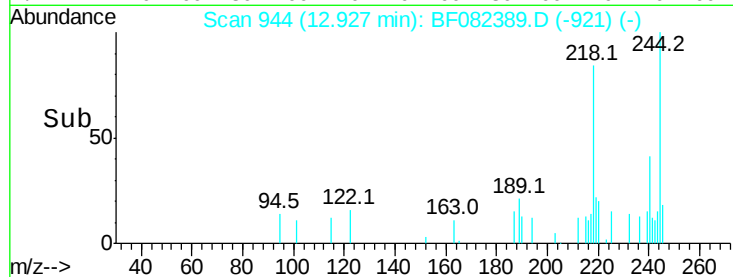
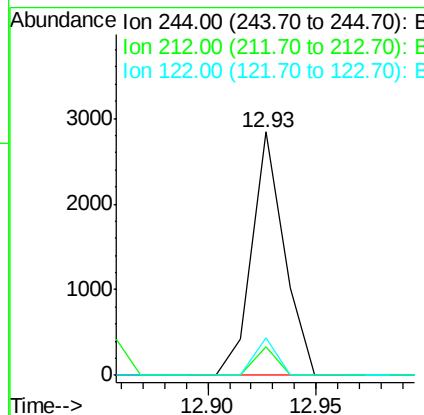
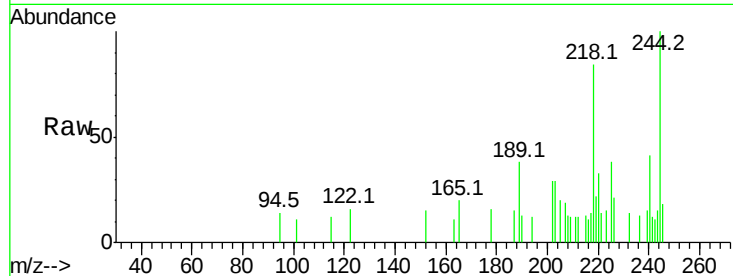
ClientSampleId :

GOODLUCK58DL2

Tot Ion:	244	Resp:	2942
Ion Ratio	Lower	Upper	
244	100		
212	11.6	5.8	8.6#
122	15.7	5.9	8.9#

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#80

Benzo(a)anthracene

Concen: 7.38 ng

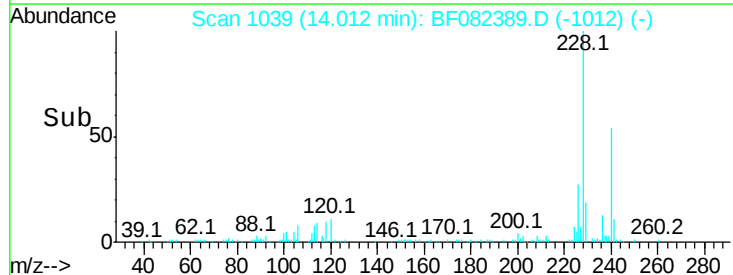
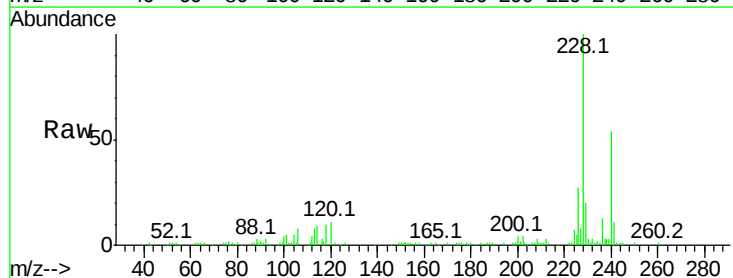
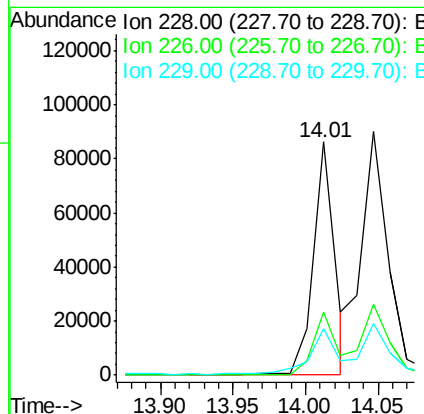
RT: 14.01 min Scan# 1039

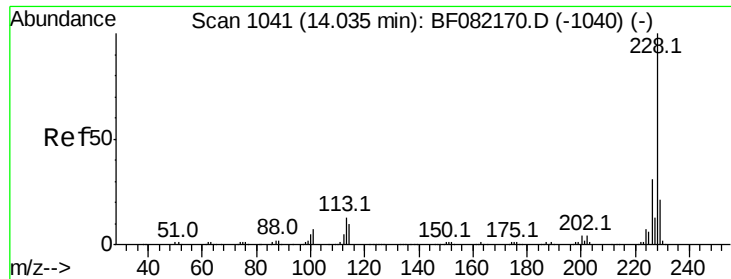
Delta R.T. 0.01 min

Lab File: BF082389.D

Acq: 20 Oct 2015 8:22

Tgt Ion:	228	Resp:	88982
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.3	33.5
229	19.7	16.2	24.2





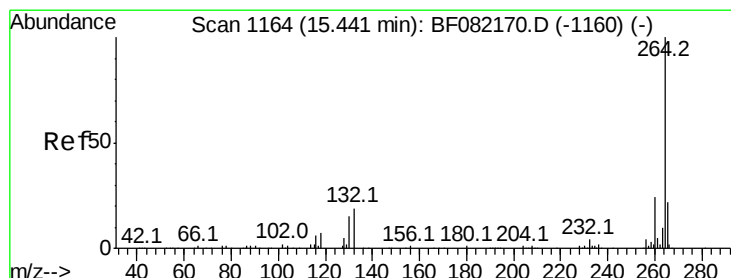
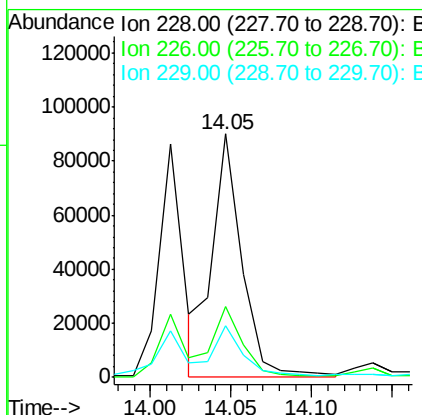
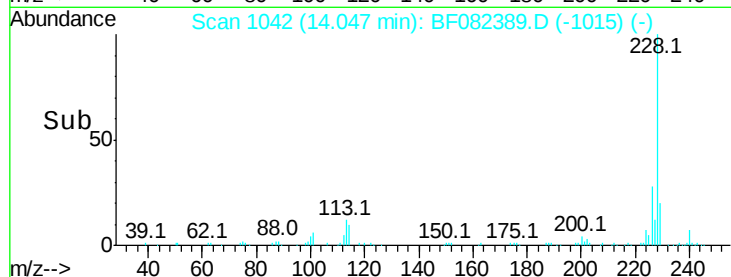
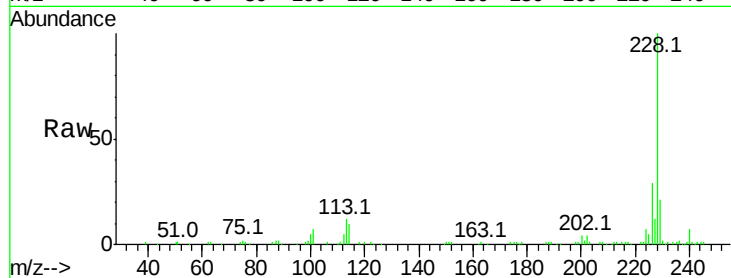
#82
Chrysene
Concen: 9.20 ng/ml
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082389.D
Acq: 20 Oct 2015 8:22

Instrument :
BNA_F
ClientSampleId :
GOODLUCK58DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.4	36.6
229	21.1	16.3	24.5

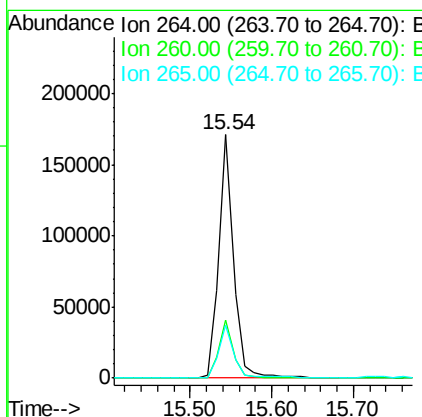
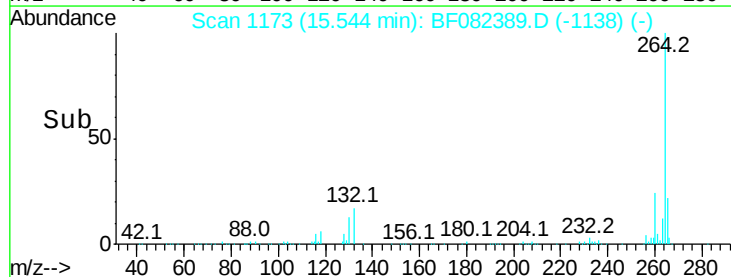
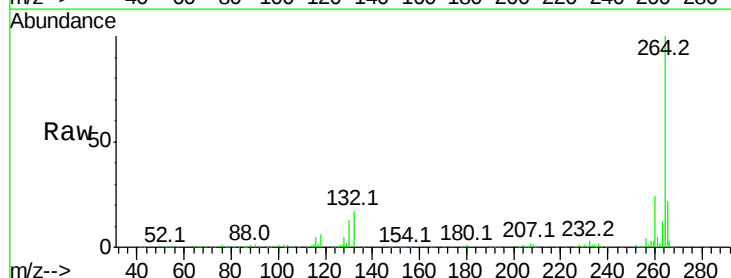
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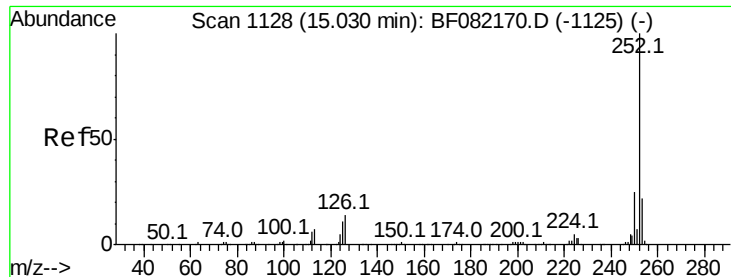
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. 0.10 min
Lab File: BF082389.D
Acq: 20 Oct 2015 8:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.7	17.3	25.9





#87
 Benzo(b)fluoranthene
 Concen: 4.87 ng m
 RT: 15.12 min Scan# 1136
 Delta R.T. 0.09 min
 Lab File: BF082389.D
 Acq: 20 Oct 2015 8:22

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK58DL2

Tot Ion:	252	Resp:	63817
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	12.4	8.6	12.8

Manual Integrations
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