

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081194.D
 Acq On : 25 Aug 2015 4:44
 Operator : UM/IZ
 Sample : G3387-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Manual Integrations
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 8/25/2015 12:39:29 PM

Quant Time: Aug 25 10:52:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	70464	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	269224	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	120586	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	206333	20.00	ng	0.00
75) Chrysene-d12	13.65	240	139516	20.00	ng	-0.01
86) Perylene-d12	14.99	264	107033	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	412823	88.12	ng	0.01
7) Phenol-d6	6.20	99	609547	99.72	ng	0.00
23) Nitrobenzene-d5	7.11	82	351282	59.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	82310	78.74	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	423922	46.06	ng	0.00
78) Terphenyl-d14	12.62	244	203501	31.27	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.30	163	170667	17.19	ng	100
57) Fluorene	10.10	166	26469	2.81	ng	# 97
70) Phenanthrene	11.06	178	383576	31.37	ng	99
71) Anthracene	11.11	178	84557	7.11	ng	98
72) Carbazole	11.27	167	53013	4.63	ng	98
74) Fluoranthene	12.24	202	398434	30.19	ng	96
77) Pyrene	12.46	202	275534	24.29	ng	96
80) Benzo(a)anthracene	13.65	228	126125	13.48	ng	98
82) Chrysene	13.68	228	105246m	12.48	ng	
85) Indeno(1,2,3-cd)pyrene	16.16	276	41608	7.03	ng	96
87) Benzo(b)fluoranthene	14.64	252	100118m	13.22	ng	
88) Benzo(k)fluoranthene	14.64	252	55118m	7.81	ng	
89) Benzo(a)pyrene	14.94	252	73914	11.20	ng	94
90) Dibenzo(a,h)anthracene	16.17	278	10546	2.05	ng	# 72
91) Benzo(g,h,i)perylene	16.52	276	34322	6.58	ng	# 87

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

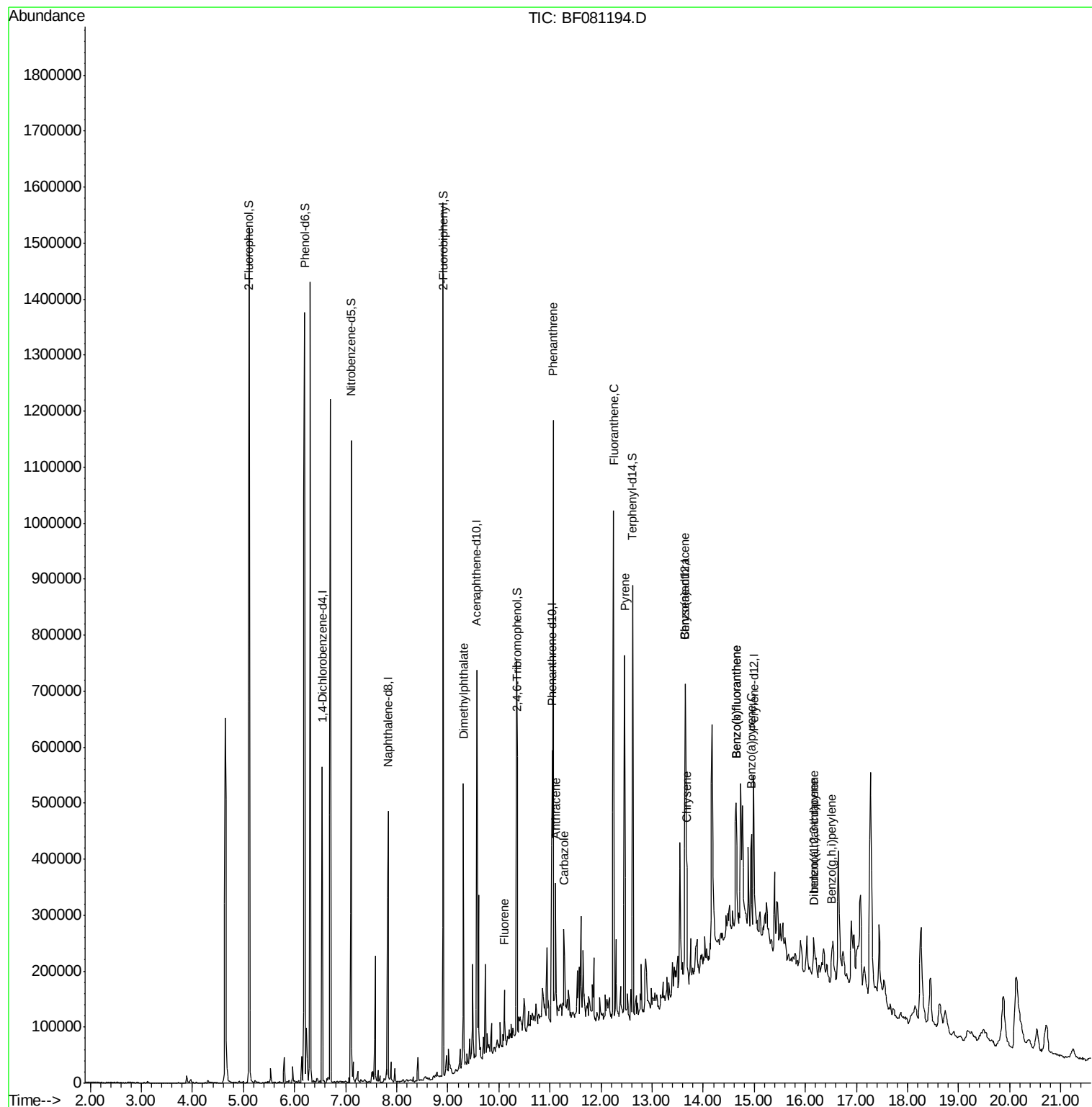
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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ALS Vial : 31 Sample Multiplier: 1

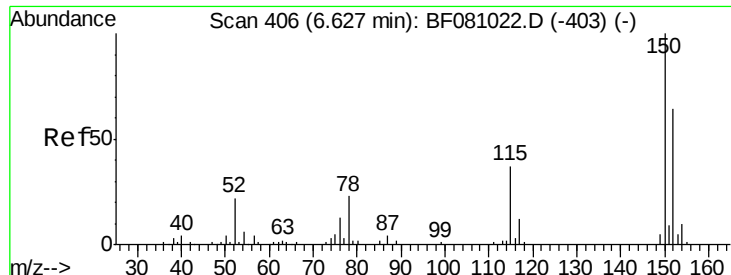
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
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QLast Update : Mon Aug 24 13:58:19 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF081194.D

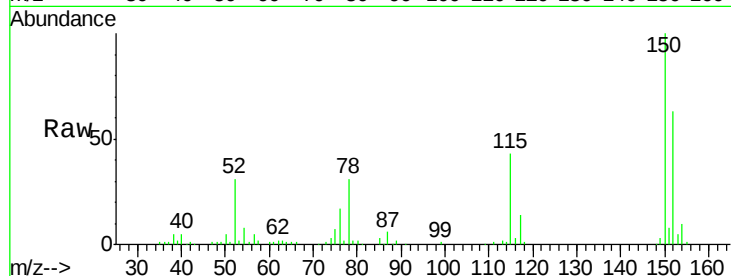
Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

ClientSampleId :

SS-02



Tgt Ion:152 Resp: 70464

Ion Ratio Lower Upper

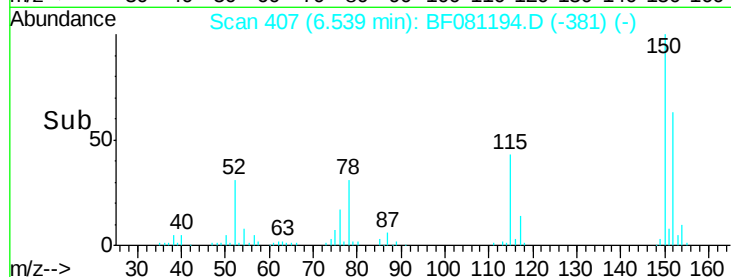
152 100

150 158.3 123.8 185.6

115 67.4 52.1 78.1

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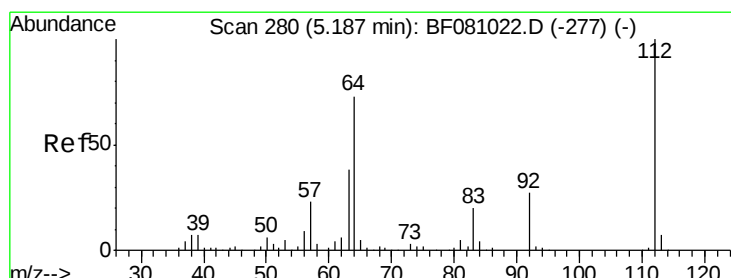
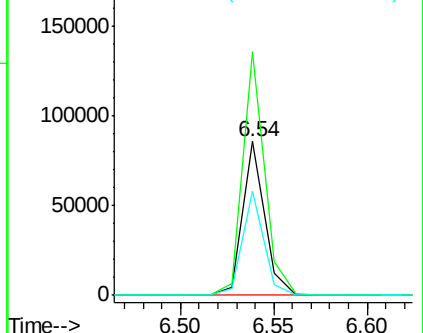
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 88.12 ng

RT: 5.11 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

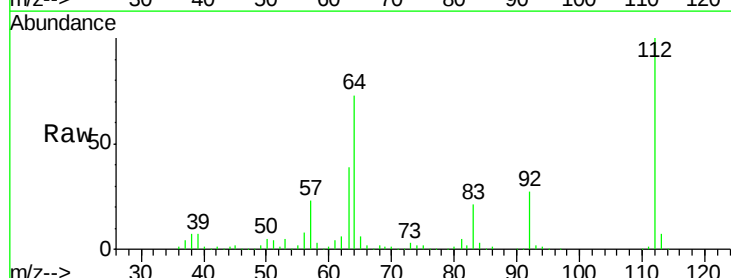
Tgt Ion:112 Resp: 412823

Ion Ratio Lower Upper

112 100

64 72.8 66.9 100.3

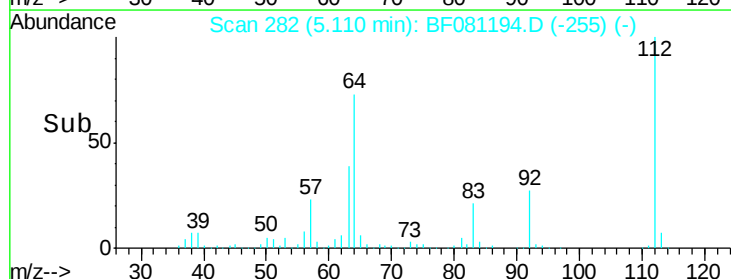
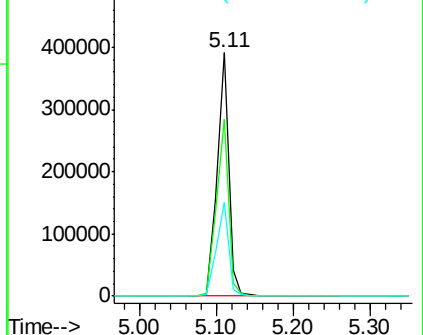
63 38.7 38.1 57.1



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: 99.72 ng

RT: 6.20 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

ClientSampleId :

SS-02

Tgt Ion: 99 Resp: 609547
Ion Ratio Lower Upper

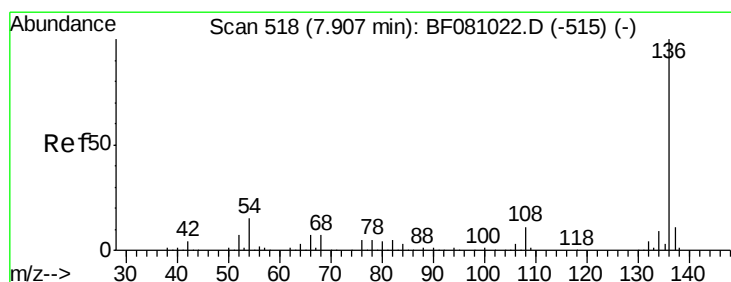
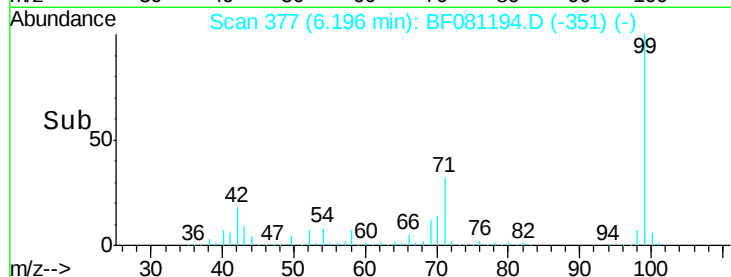
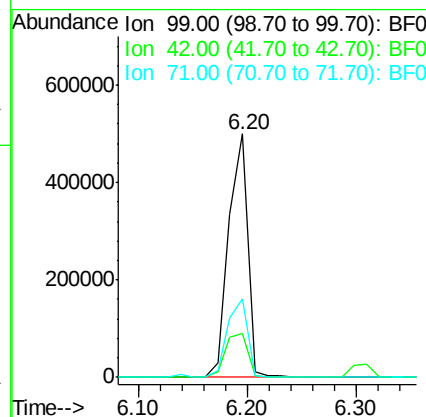
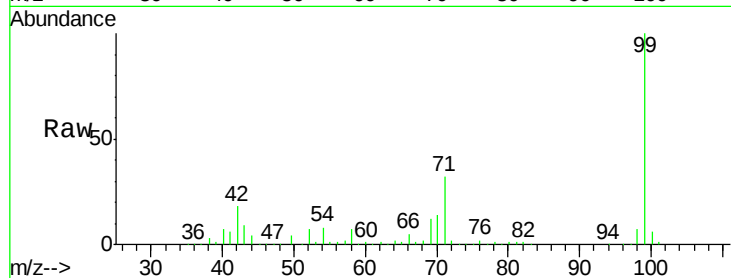
99 100

42 17.9 19.6 29.4#

71 32.1 31.2 46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

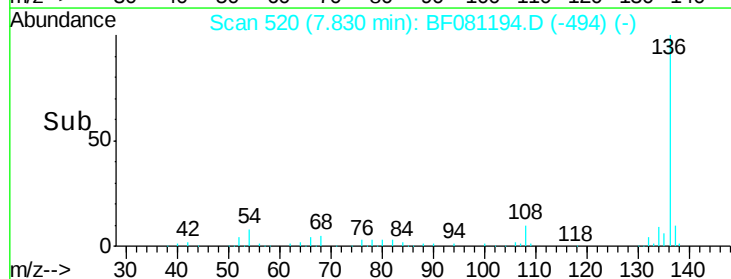
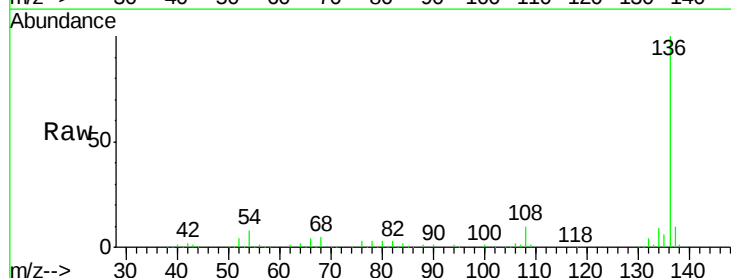
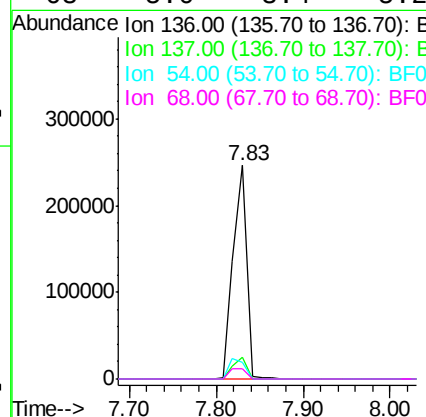
Tgt Ion: 136 Resp: 269224
Ion Ratio Lower Upper

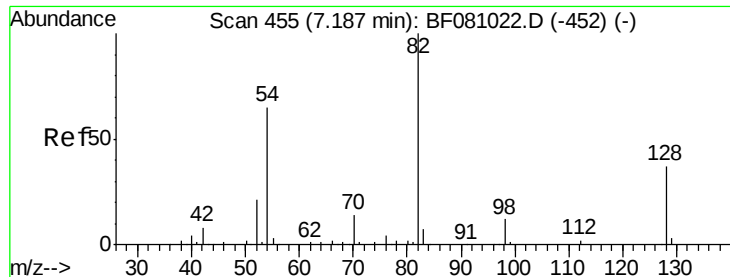
136 100

137 10.4 8.2 12.2

54 7.7 7.7 11.5#

68 5.0 3.4 5.2





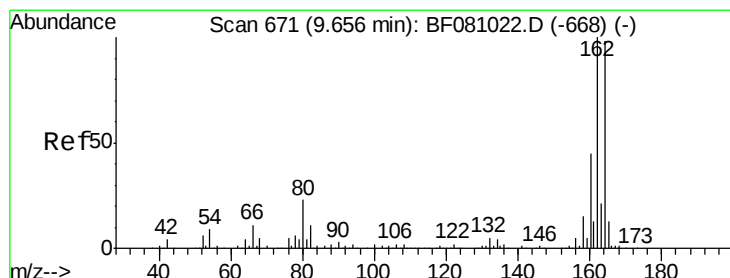
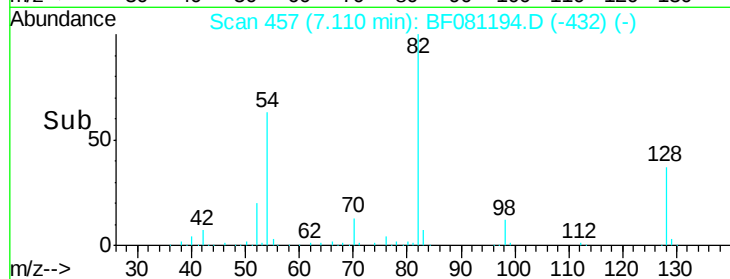
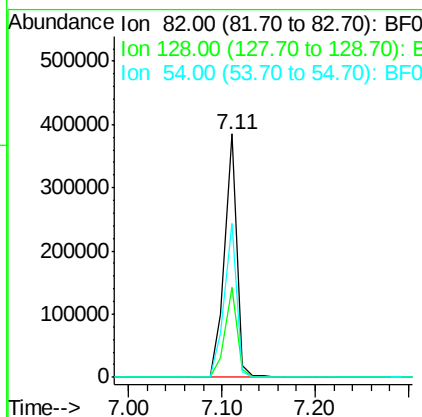
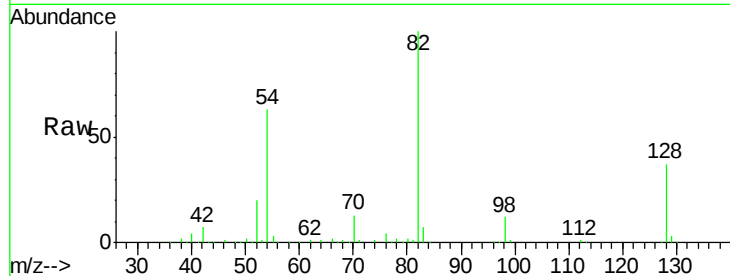
#23
 Nitrobenzene-d5
 Concen: 59.60 ng
 RT: 7.11 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.9	28.6	42.8
54	63.5	55.1	82.7

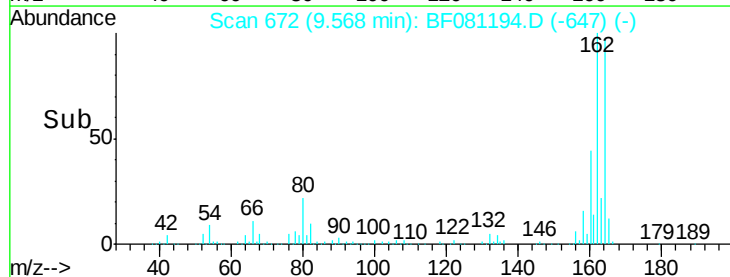
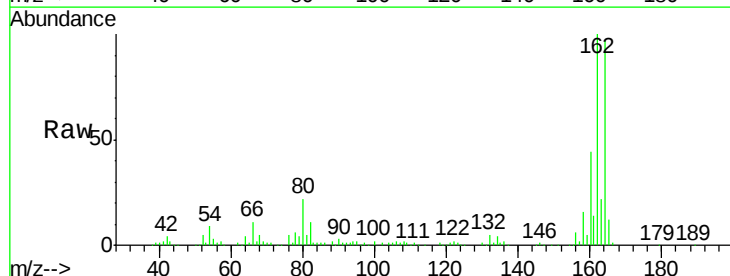
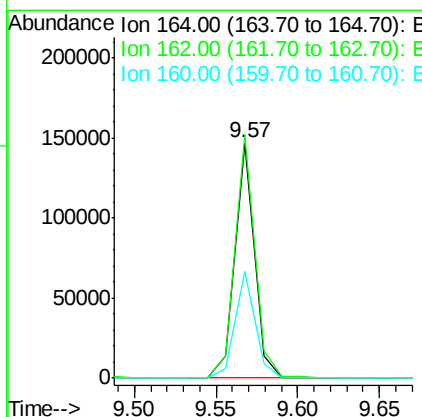
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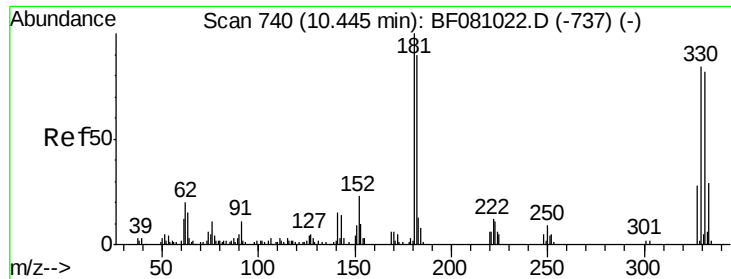
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

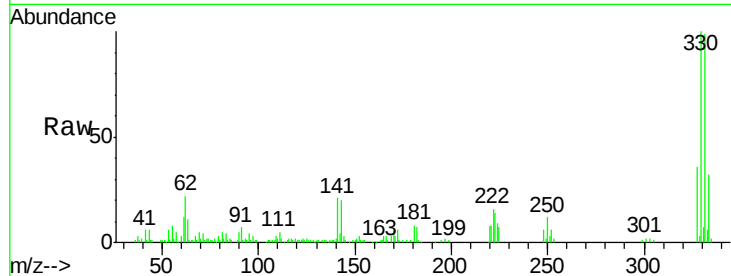
Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	103.5	83.8	125.8
160	45.5	39.8	59.8





#41
 2,4,6-Tribromophenol
 Concen: 78.74 ng
 RT: 10.36 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

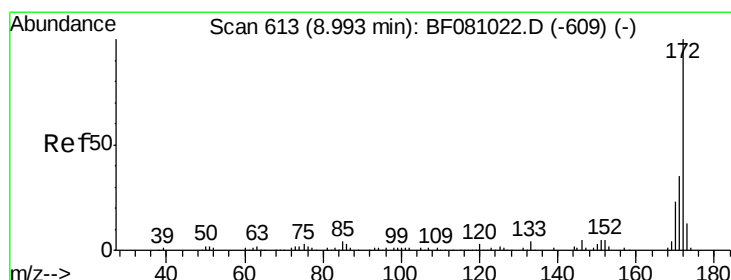
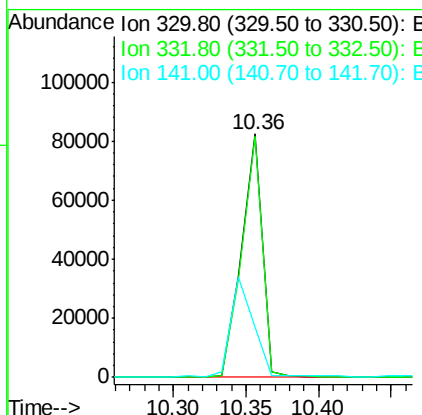
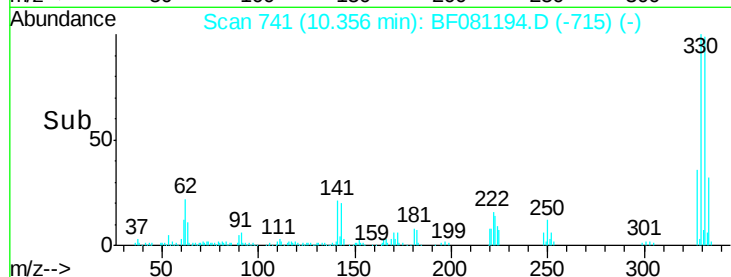
Instrument :
 BNA_F
 ClientSampled :
 SS-02



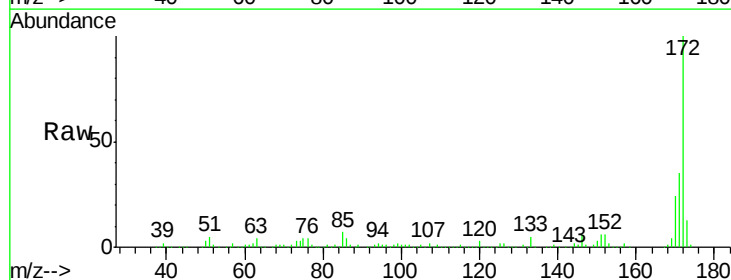
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	82310		
332	98.6	77.3	115.9	
141	47.2	44.9	67.3	

Manual Integrations
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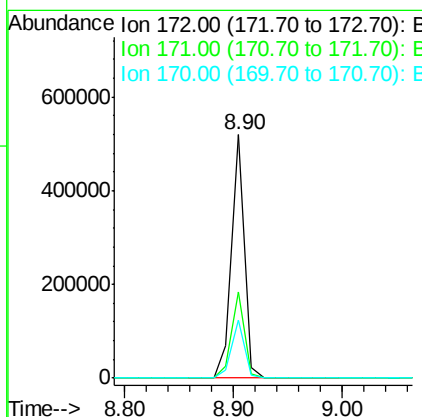
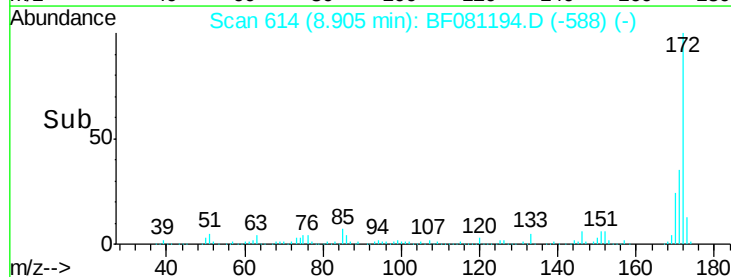
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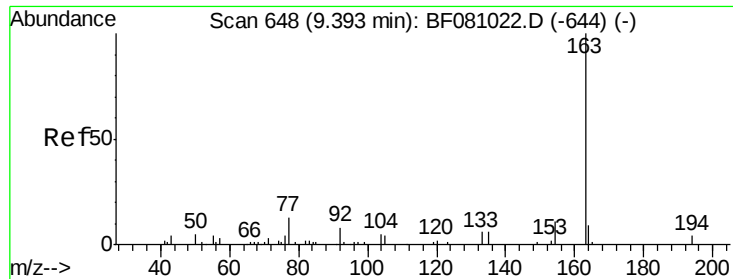


#44
 2-Fluorobiphenyl
 Concen: 46.06 ng
 RT: 8.90 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	423922		
171	35.3	28.9	43.3	
170	23.9	19.4	29.2	





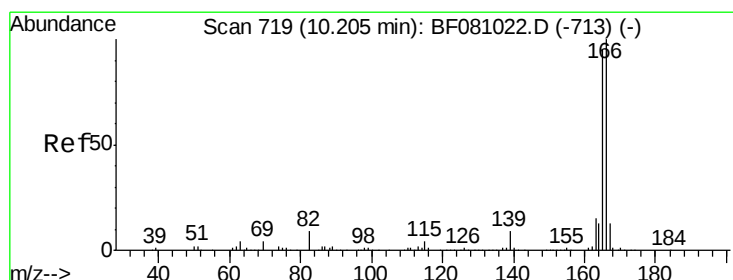
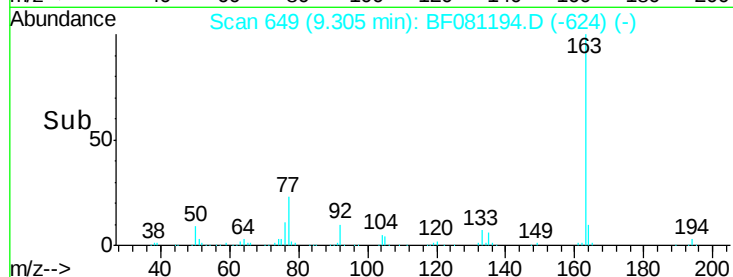
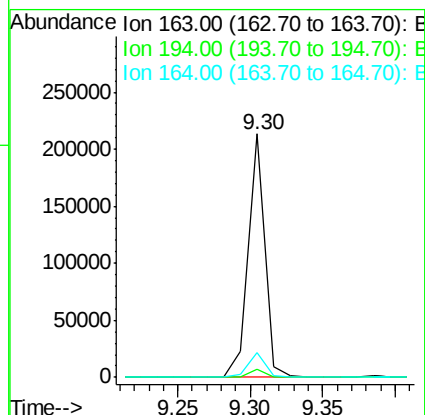
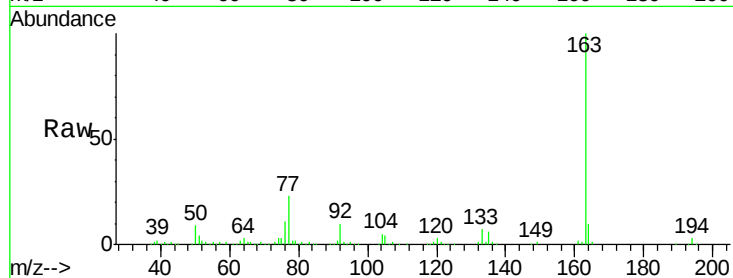
#49
Dimethylphthalate
Concen: 17.19 ng
RT: 9.30 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF081194.D
Acq: 25 Aug 2015 4:44

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	170667		
194	3.2	2.5	3.7	
164	10.1	8.1	12.1	

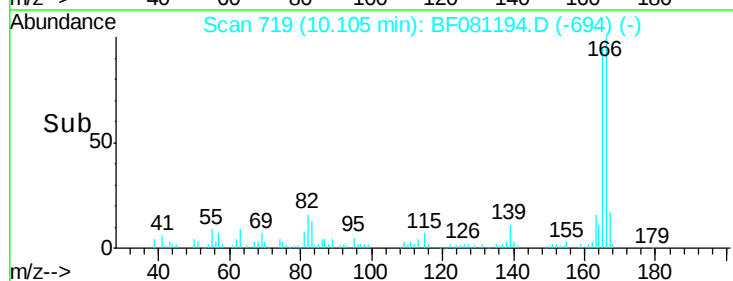
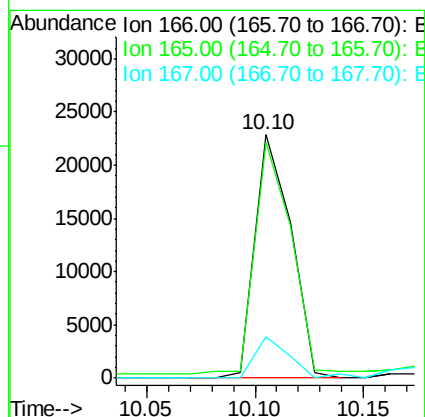
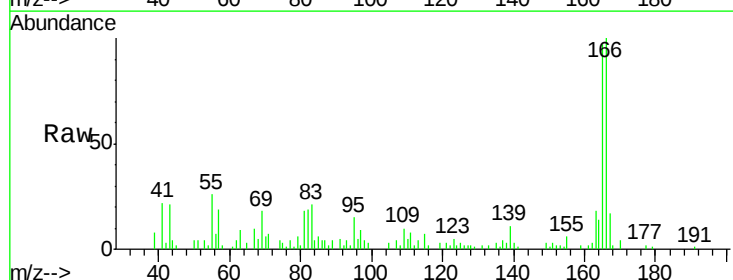
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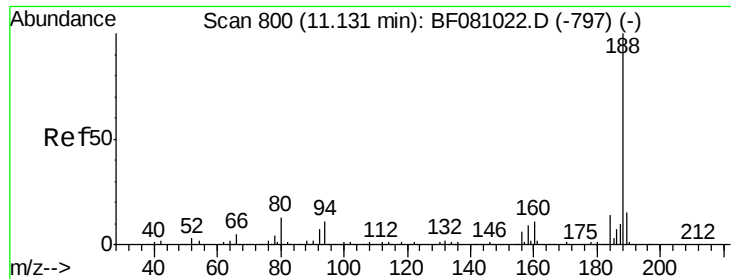
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#57
Fluorene
Concen: 2.81 ng
RT: 10.10 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF081194.D
Acq: 25 Aug 2015 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26469		
165	96.8	75.8	113.8	
167	17.0	11.3	16.9	





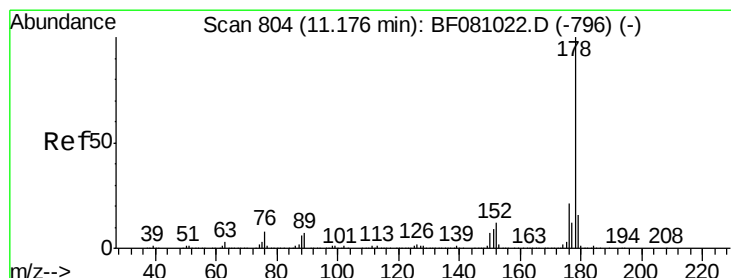
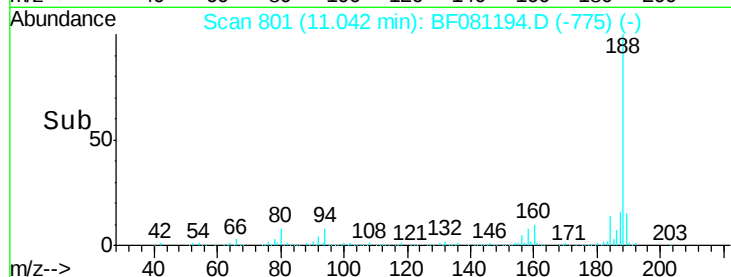
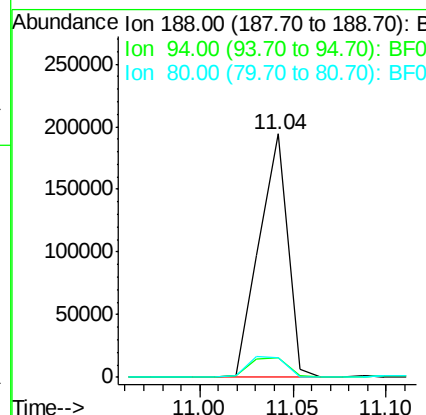
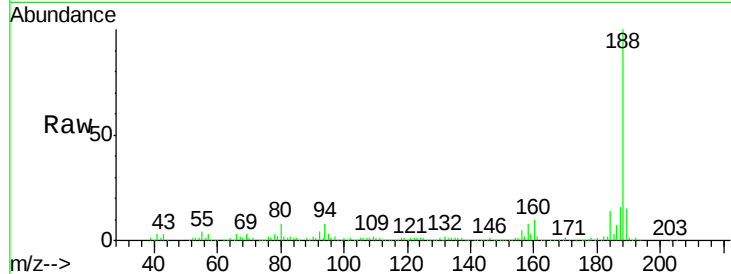
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF081194.D
Acq: 25 Aug 2015 4:44

Instrument :
BNA_F
ClientSampled :
SS-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.9	8.2	12.2#
80	8.2	9.5	14.3#

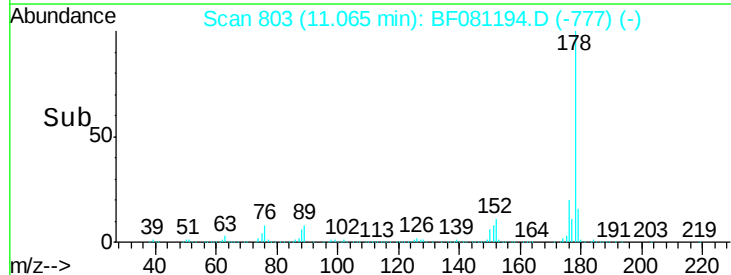
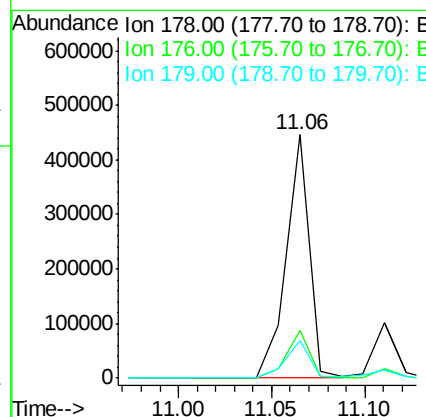
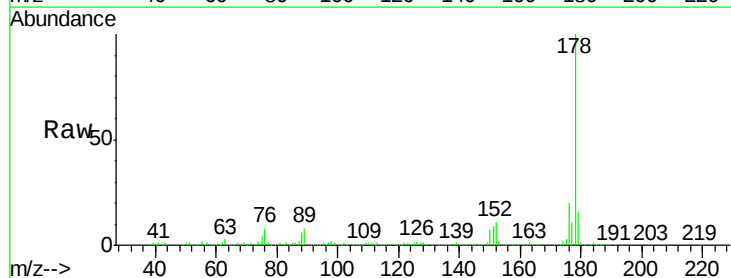
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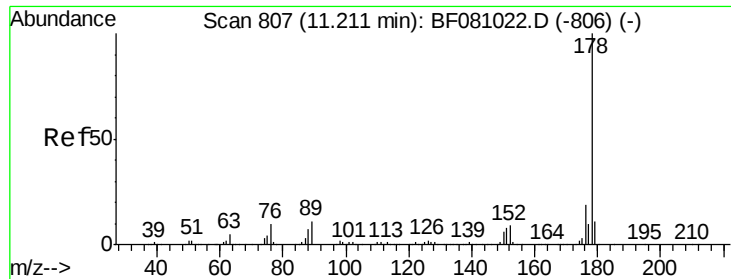
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#70
Phenanthrene
Concen: 31.37 ng
RT: 11.06 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF081194.D
Acq: 25 Aug 2015 4:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.7	23.5
179	15.6	12.2	18.2





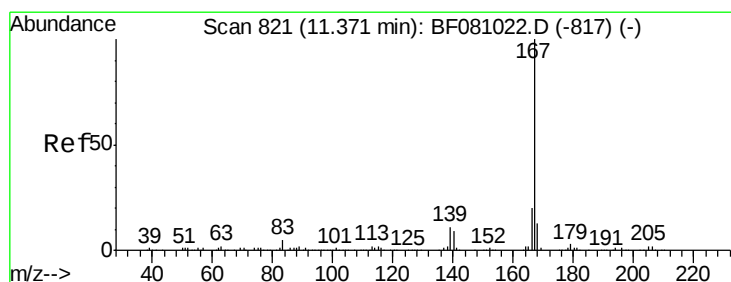
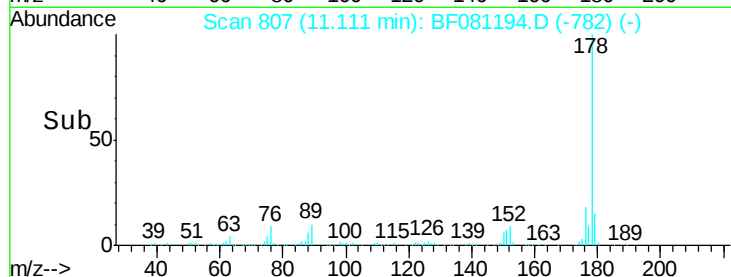
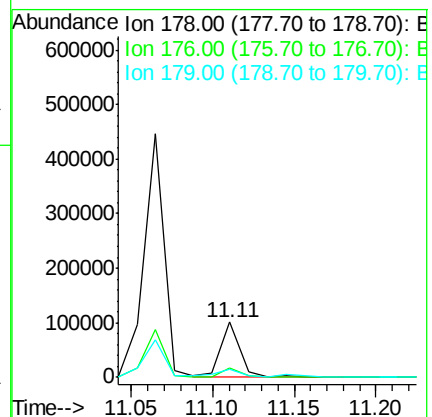
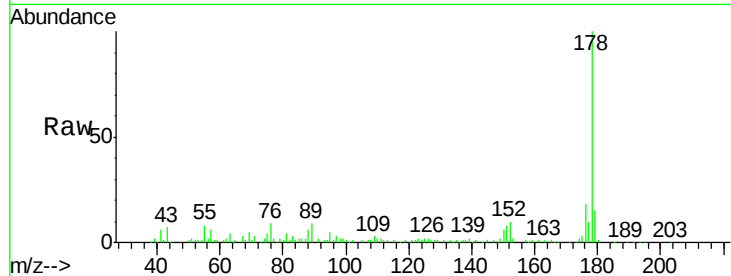
#71
 Anthracene
 Concen: 7.11 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.3	12.7	19.1

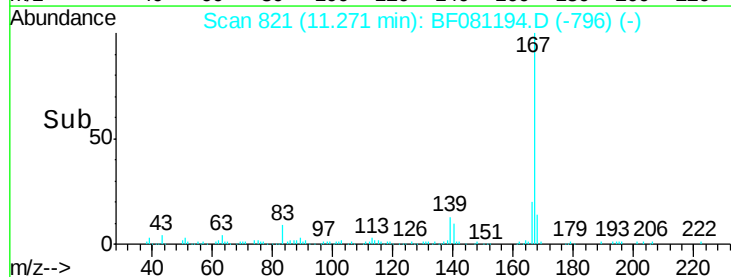
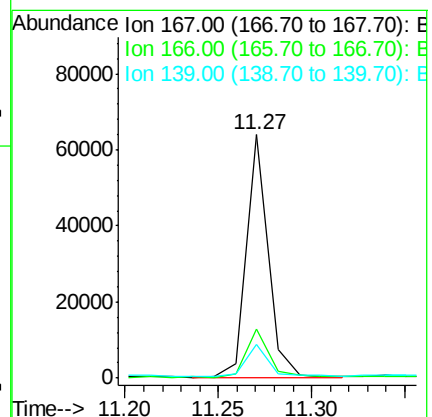
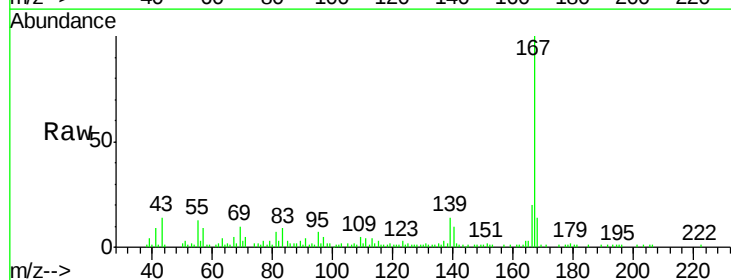
Manual Integrations
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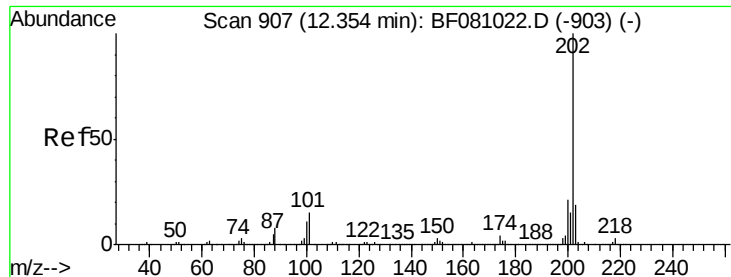
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#72
 Carbazole
 Concen: 4.63 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.4	26.0
139	14.0	10.6	16.0





#74

Fluoranthene

Concen: 30.19 ng

RT: 12.24 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

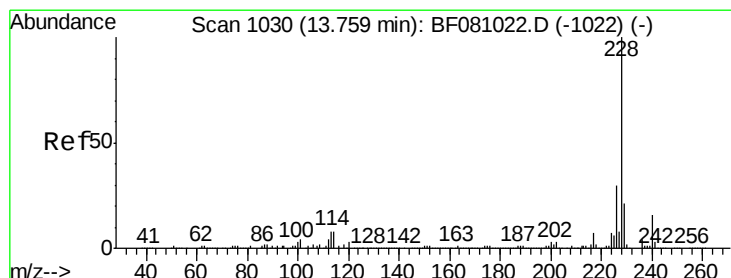
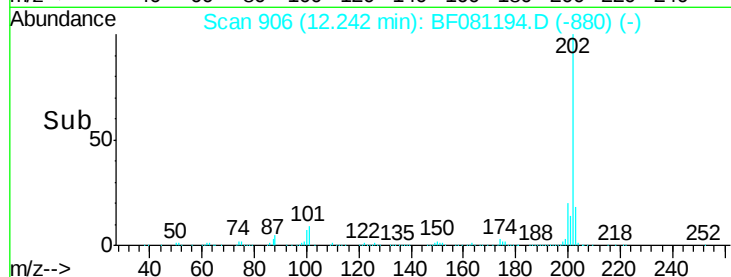
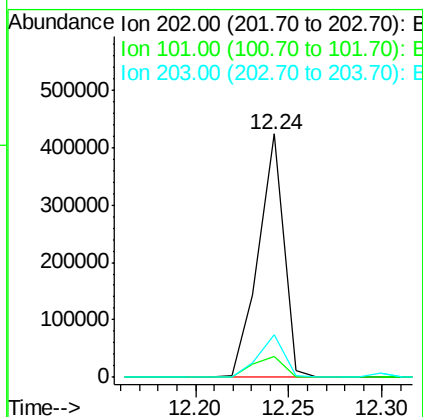
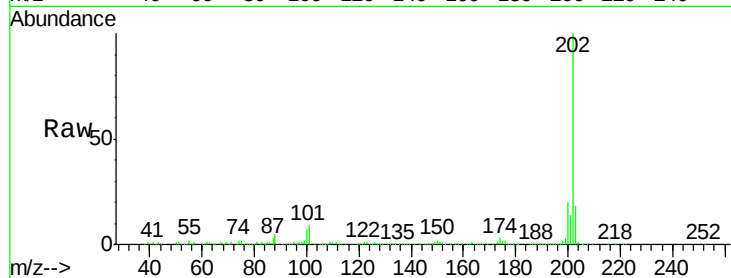
ClientSampled :

SS-02

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		398434		
101	8.8	0.0	24.8		
203	17.7	0.0	36.9		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

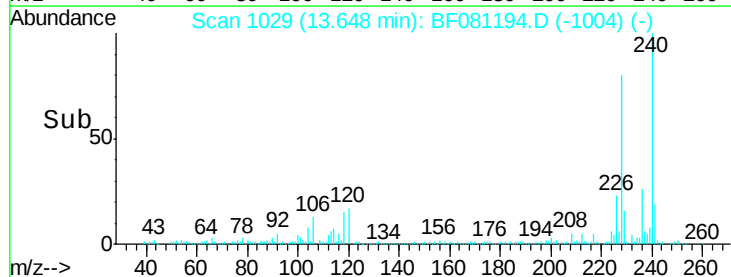
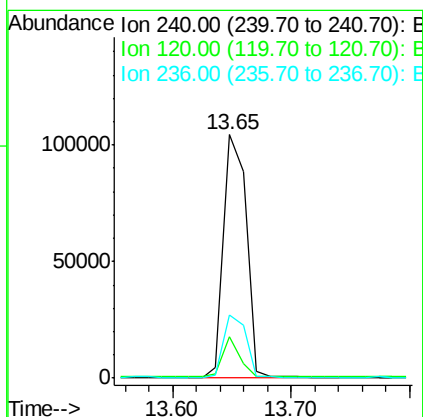
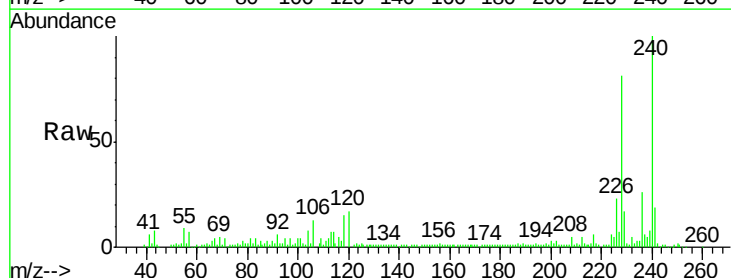
RT: 13.65 min Scan# 1029

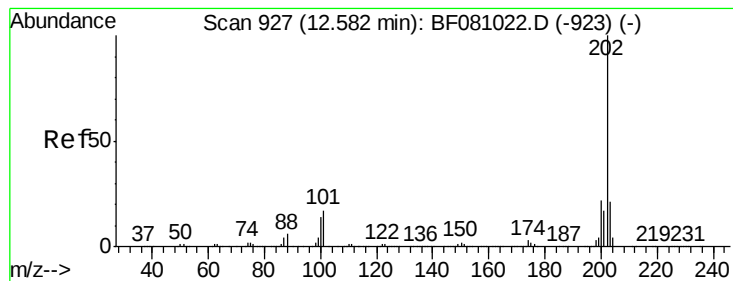
Delta R.T. -0.01 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		139516		
120	17.2	5.6	8.4#		
236	26.0	20.6	30.8		





#77

Pyrene

Concen: 24.29 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

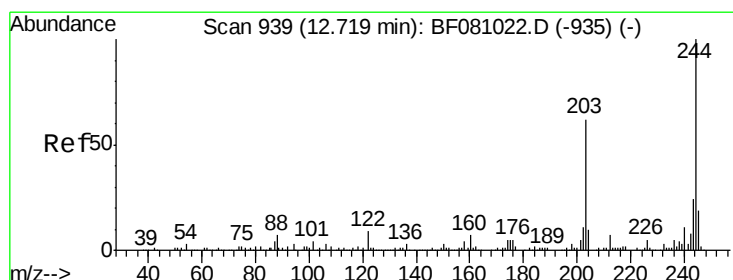
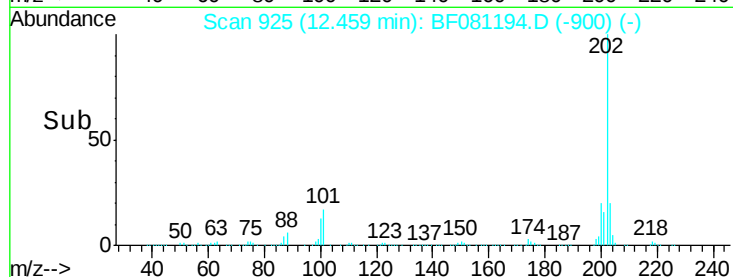
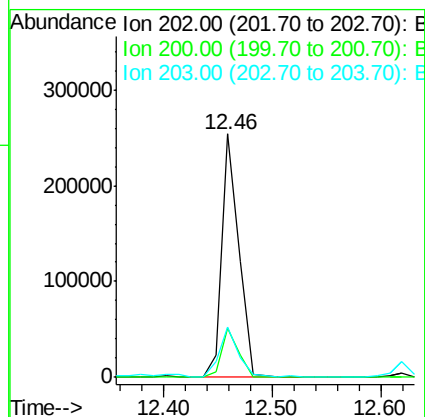
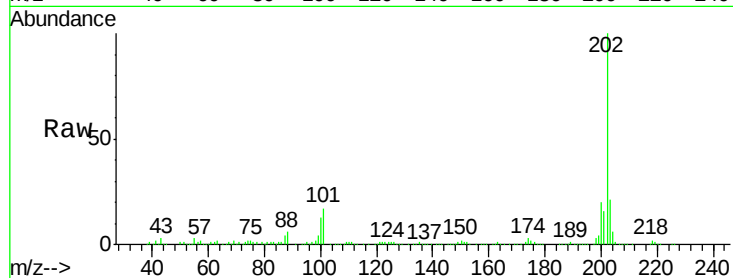
ClientSampleId :

SS-02

Tgt Ion:	202	Resp:	275534
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.6	24.8
203	20.7	14.1	21.1

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#78

Terphenyl-d14

Concen: 31.27 ng

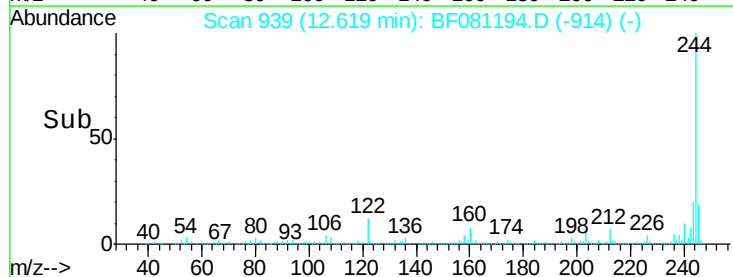
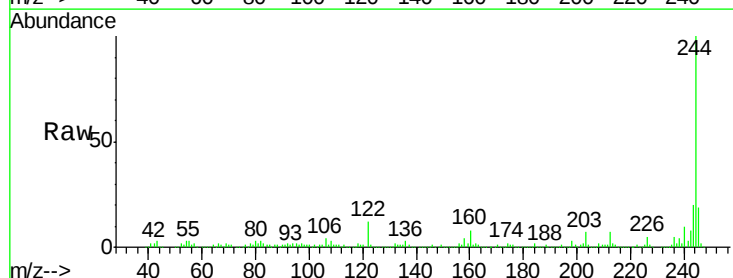
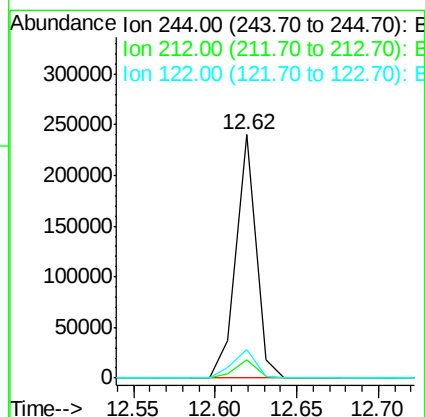
RT: 12.62 min Scan# 939

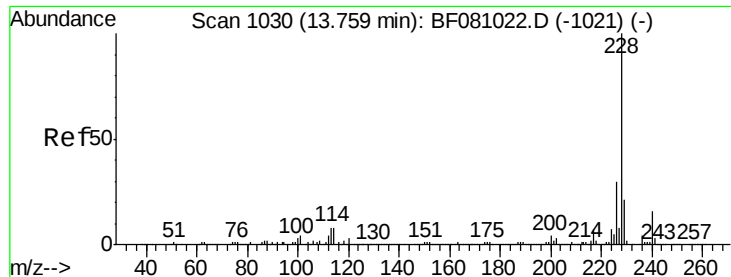
Delta R.T. -0.01 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Tgt Ion:	244	Resp:	203501
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.8
122	11.8	8.2	12.4





#80

Benzo(a)anthracene

Concen: 13.48 ng

RT: 13.65 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

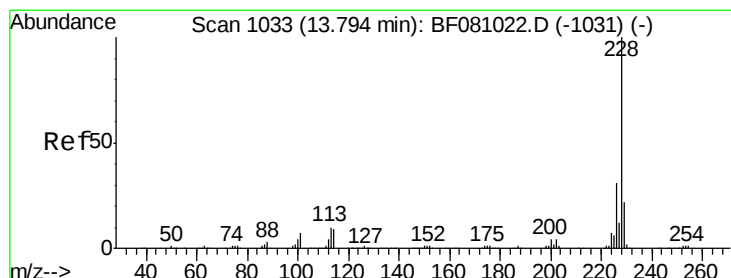
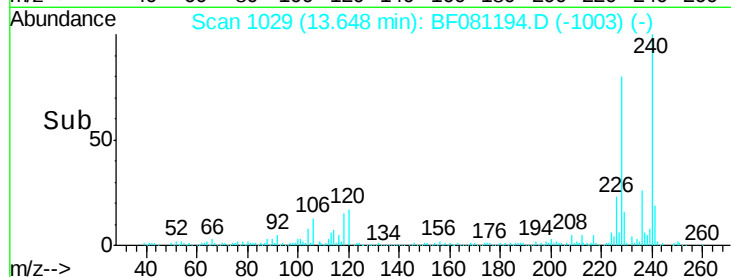
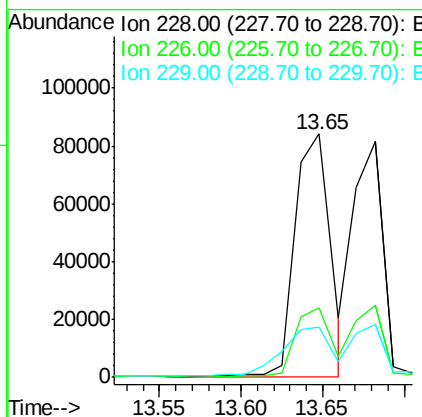
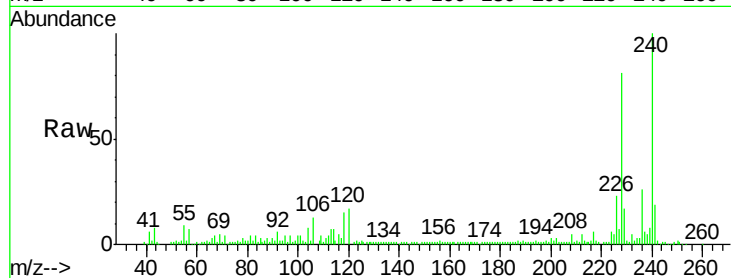
ClientSampleId :

SS-02

Tgt Ion:	228	Resp:	126125
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.3	33.5
229	20.8	15.9	23.9

Manual Integrations
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#82

Chrysene

Concen: 12.48 ng m

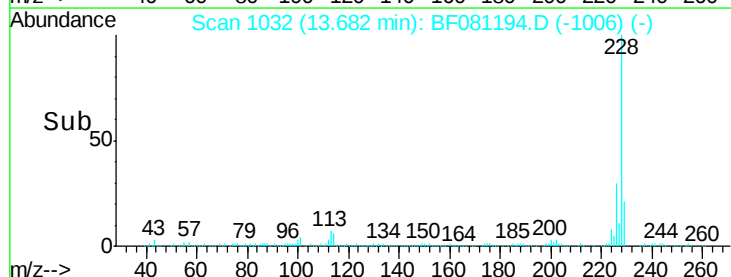
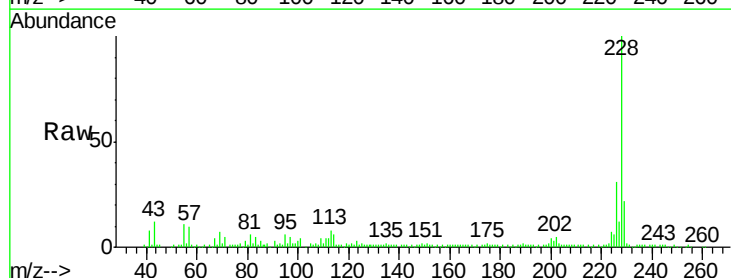
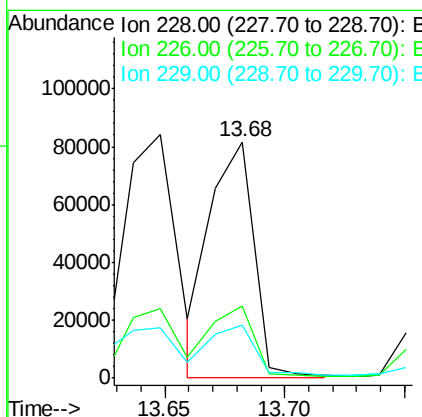
RT: 13.68 min Scan# 1032

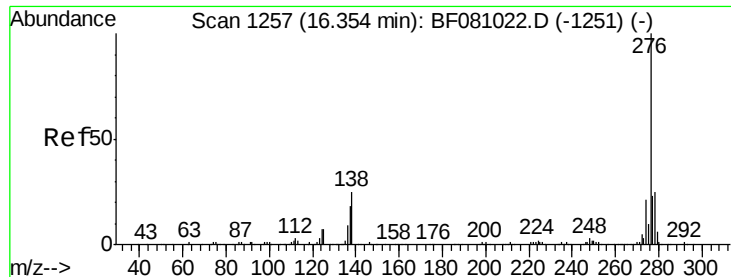
Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Tgt Ion:	228	Resp:	105246
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	22.3	16.0	24.0





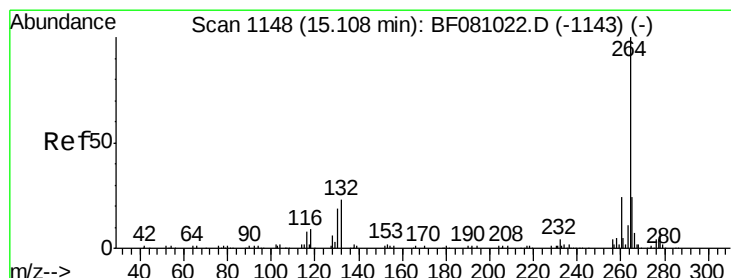
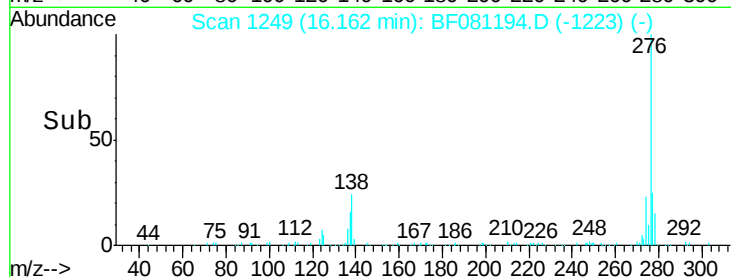
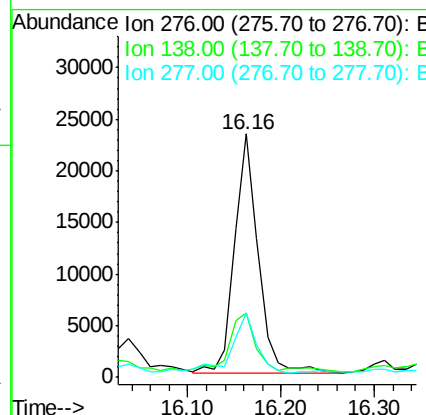
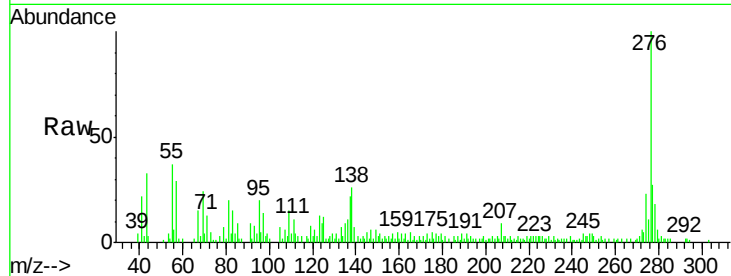
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.03 ng
 RT: 16.16 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.6	28.0
277	26.3	19.8	29.8

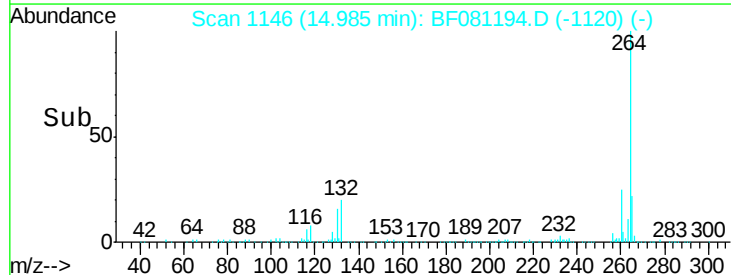
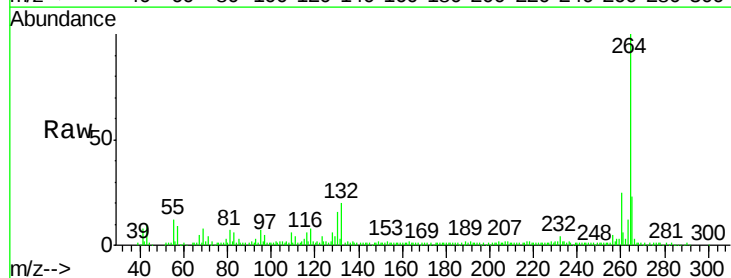
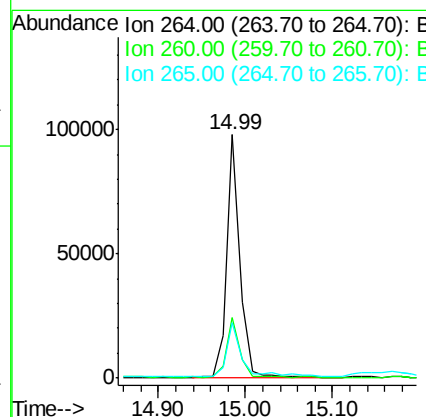
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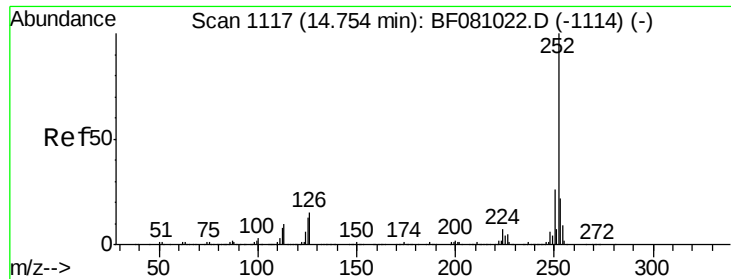
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.22 ng m

RT: 14.64 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

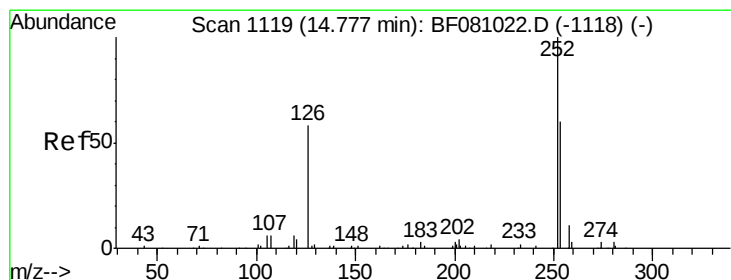
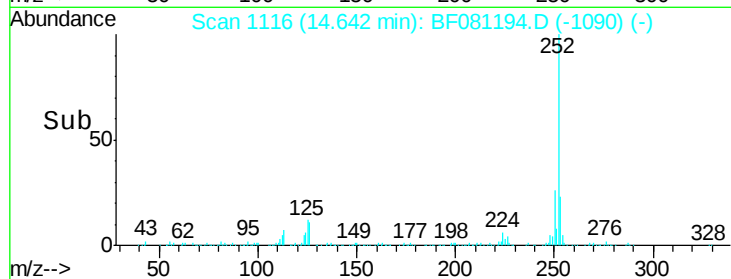
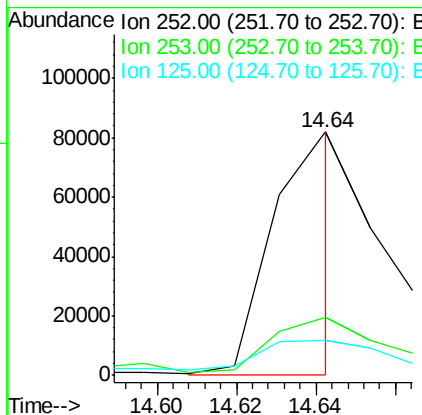
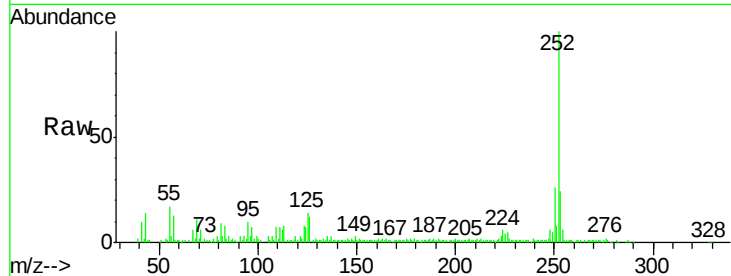
ClientSampleId :

SS-02

Tgt Ion:	252	Resp:	100118
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	14.2	8.0	12.0

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#88

Benzo(k)fluoranthene

Concen: 7.81 ng m

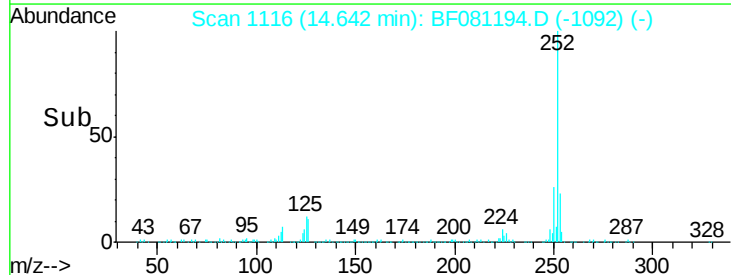
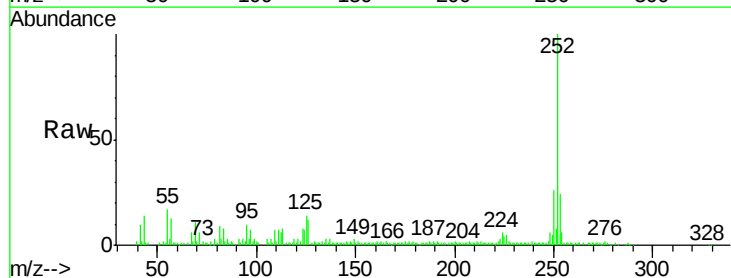
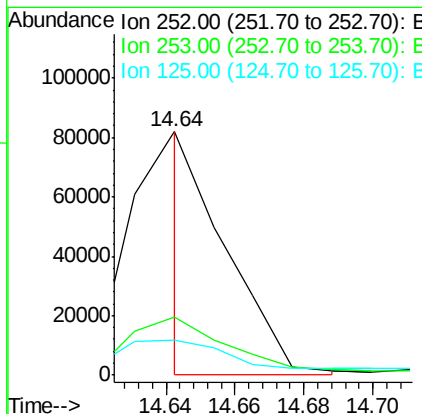
RT: 14.64 min Scan# 1116

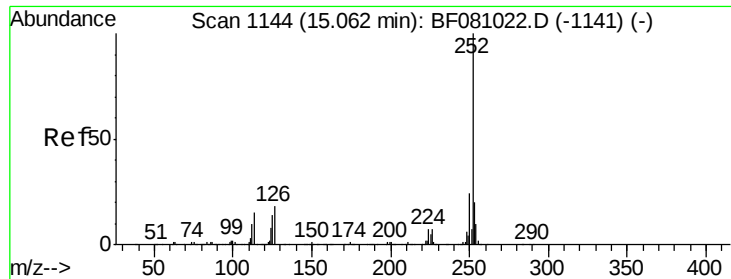
Delta R.T. -0.02 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Tgt Ion:	252	Resp:	55118
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	14.2	10.3	15.5





#89

Benzo(a)pyrene

Concen: 11.20 ng

RT: 14.94 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Instrument :

BNA_F

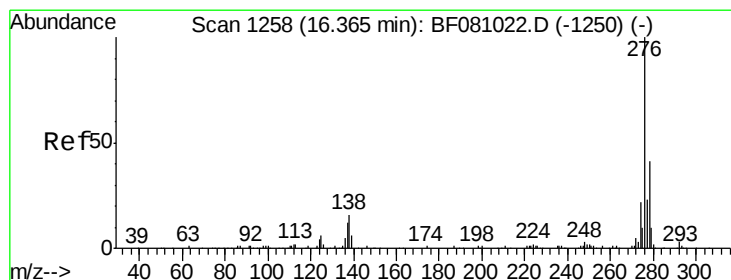
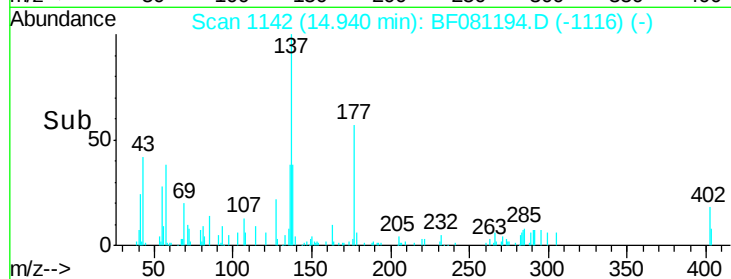
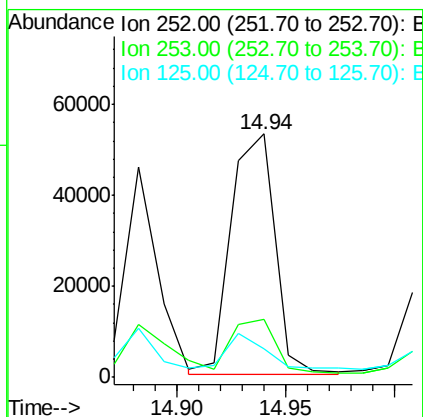
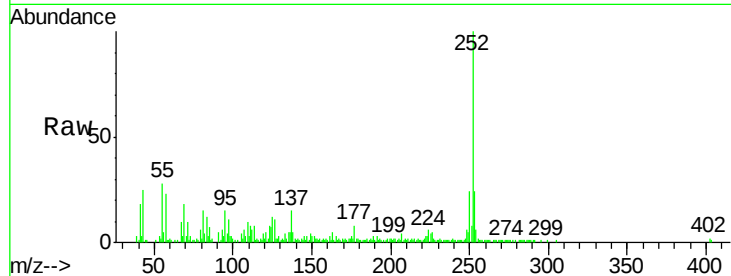
ClientSampled :

SS-02

Tgt Ion:	252	Resp:	73914
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.6	25.0
125	11.7	7.8	11.8

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#90

Dibenzo(a,h)anthracene

Concen: 2.05 ng

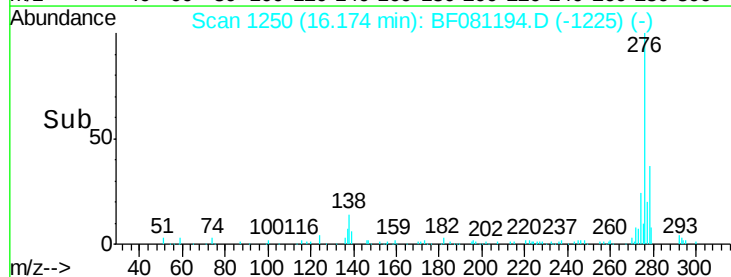
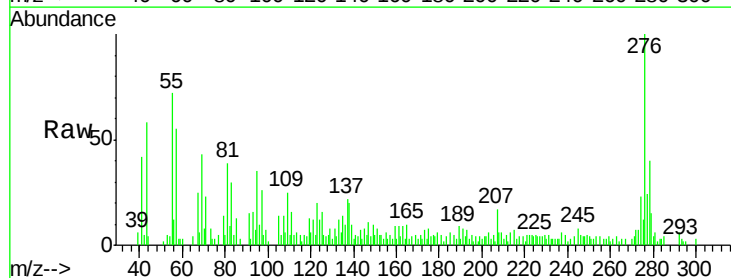
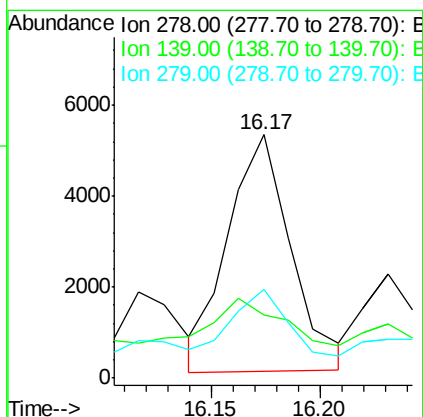
RT: 16.17 min Scan# 1250

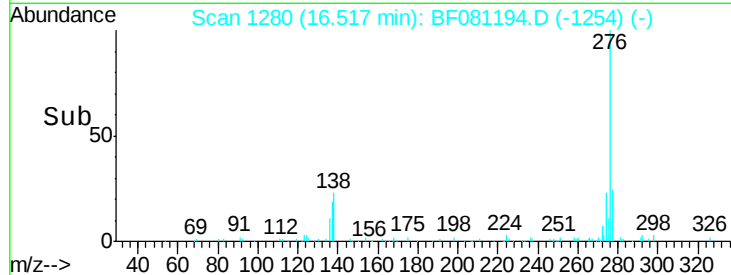
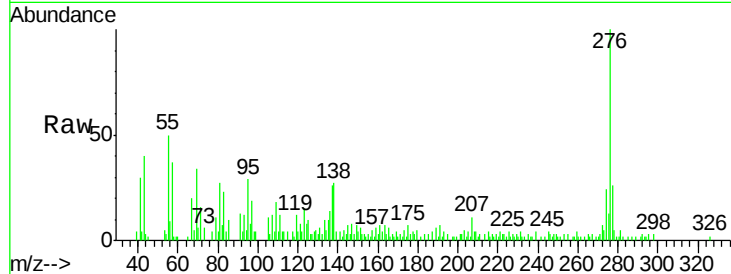
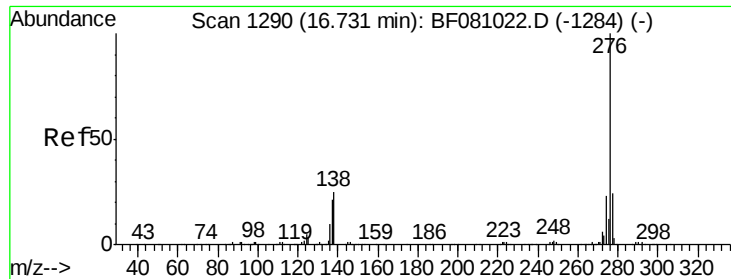
Delta R.T. -0.01 min

Lab File: BF081194.D

Acq: 25 Aug 2015 4:44

Tgt Ion:	278	Resp:	10546
Ion Ratio	Lower	Upper	
278	100		
139	26.0	10.8	16.2#
279	36.4	19.0	28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 6.58 ng
 RT: 16.52 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: BF081194.D
 Acq: 25 Aug 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.8	18.2	27.2
138	26.7	13.7	20.5

Manual Integrations
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 8/25/2015 12:39:29 PM

