

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090908.D
 Acq On : 28 Oct 2016 14:21
 Operator : UM/SJ
 Sample : H5411-02 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

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Quant Time: Nov 01 15:01:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	208478	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	887608	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	447335	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	701725	20.00	ng	0.00
75) Chrysene-d12	13.93	240	459505	20.00	ng	0.00
86) Perylene-d12	15.33	264	447795	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	108024	9.06	ng	-0.01
7) Phenol-d6	6.40	99	155650	9.68	ng	-0.02
23) Nitrobenzene-d5	7.32	82	97688	7.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	21632	4.71	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	159412	6.26	ng	-0.01
78) Terphenyl-d14	12.87	244	100509	5.51	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.84	154	62033	2.43	ng	86
54) Dibenzofuran	10.01	168	72967	2.21	ng	# 88
57) Fluorene	10.35	166	89195	3.30	ng	93
70) Phenanthrene	11.31	178	834484	23.35	ng	96
71) Anthracene	11.36	178	198429	5.27	ng	98
74) Fluoranthene	12.50	202	721586	18.44	ng	91
77) Pyrene	12.73	202	611568	21.03	ng	96
80) Benzo(a)anthracene	13.92	228	234292m	9.61	ng	
82) Chrysene	13.95	228	197484m	8.01	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	99277	4.54	ng	# 89
87) Benzo(b)fluoranthene	14.93	252	222736m	7.40	ng	
88) Benzo(k)fluoranthene	14.95	252	87485m	3.68	ng	
89) Benzo(a)pyrene	15.28	252	186708m	7.22	ng	
91) Benzo(g,h,i)perylene	17.08	276	88964	4.31	ng	# 82

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

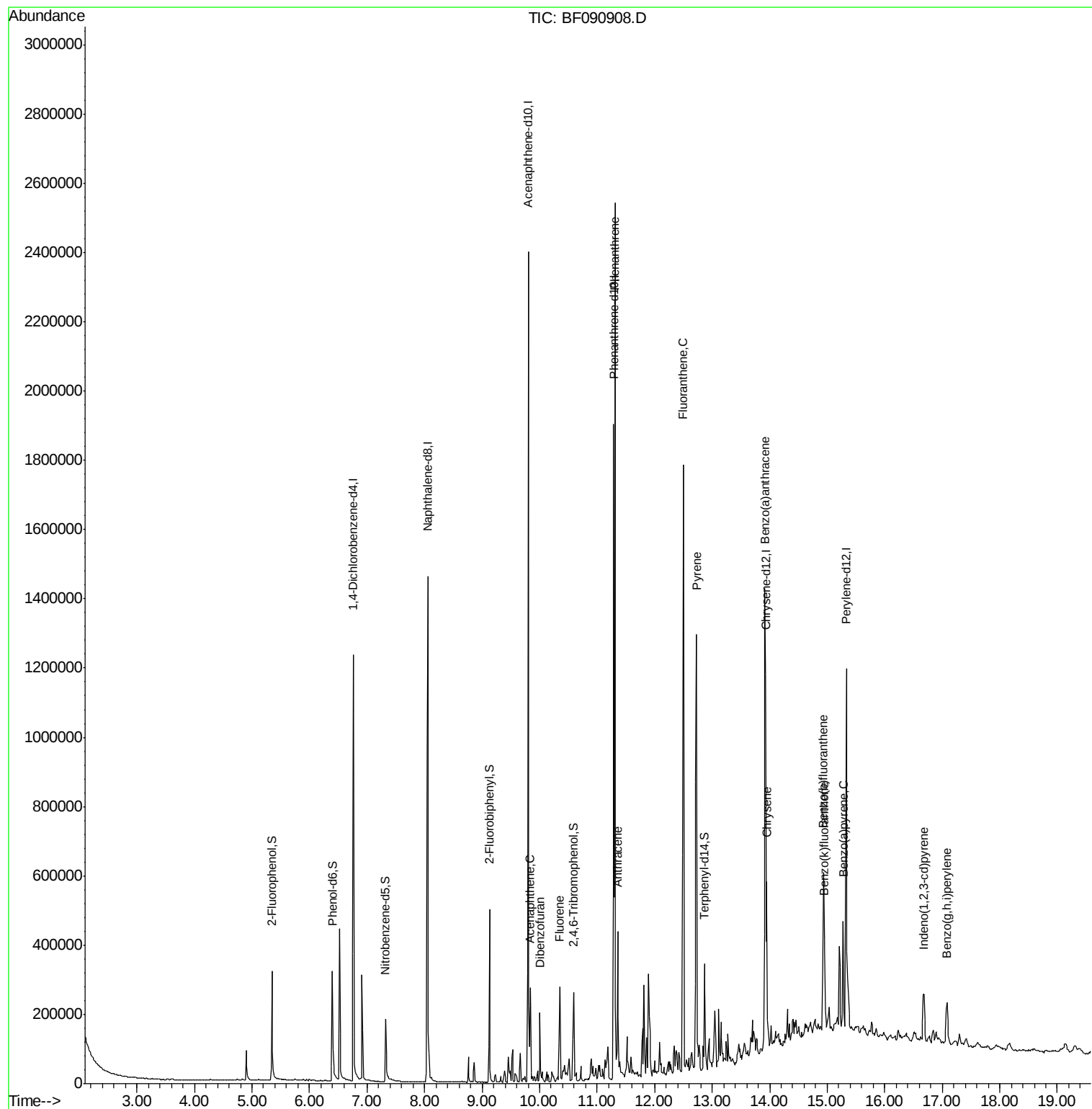
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

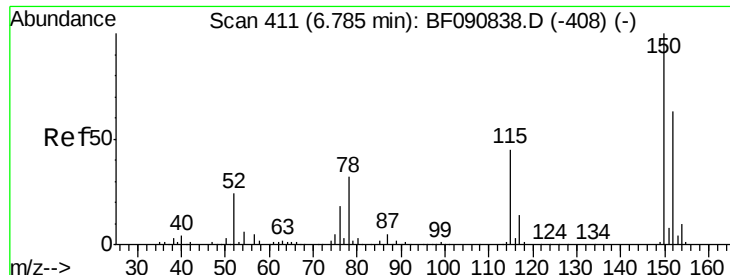
Instrument :
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Quant Time: Nov 01 15:01:19 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 28 15:18:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.00 min

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Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:152 Resp: 208478

Ion Ratio Lower Upper

152 100

150 156.5 124.7 187.1

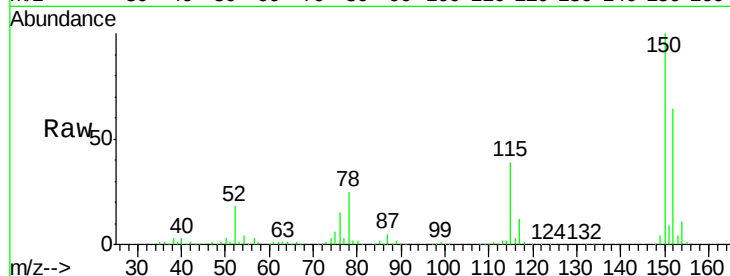
115 60.4 39.0 58.4#

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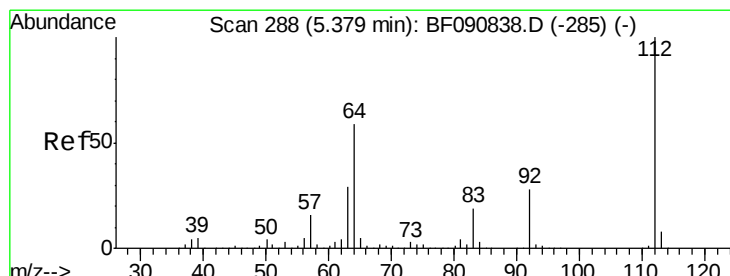
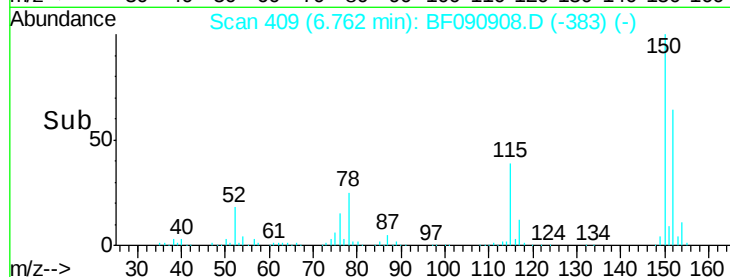
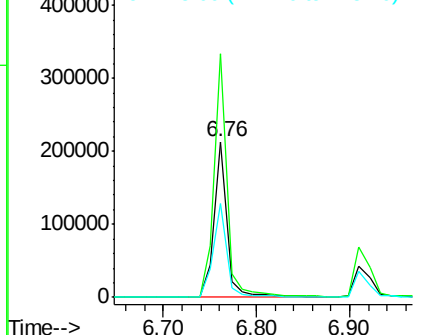
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 9.06 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

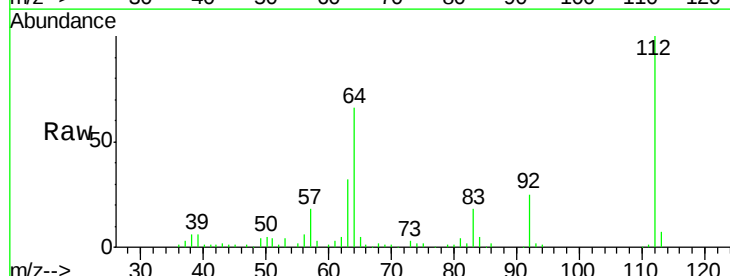
Tgt Ion:112 Resp: 108024

Ion Ratio Lower Upper

112 100

64 66.0 39.7 59.5#

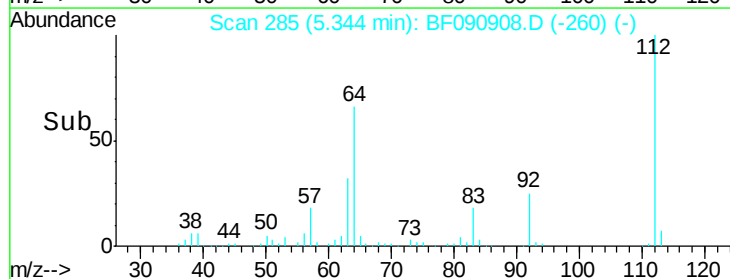
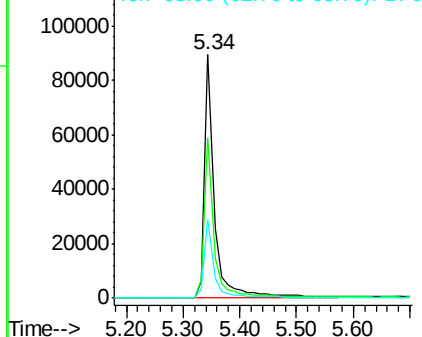
63 32.2 17.4 26.0#

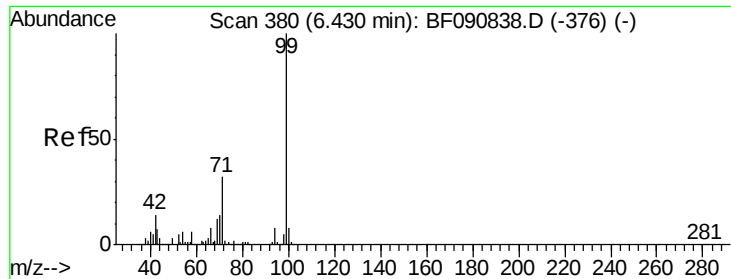


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.68 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

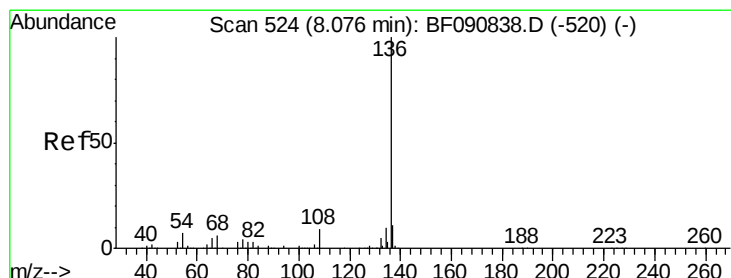
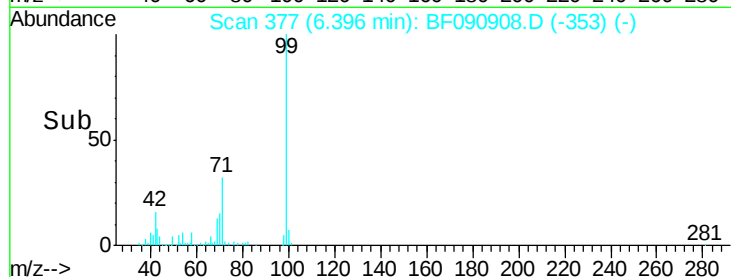
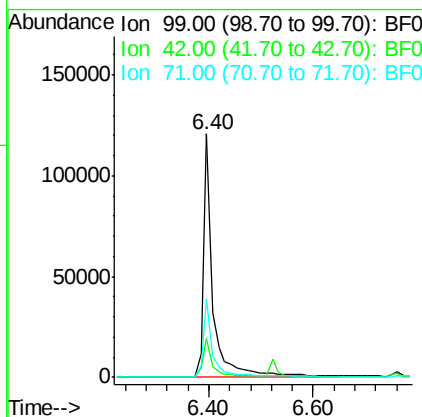
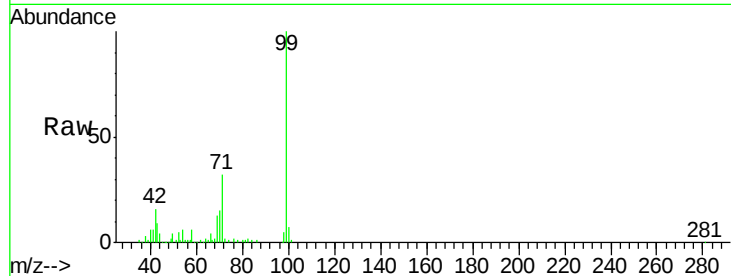
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Tgt Ion:	99	Resp:	155650
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.7	20.5
71	32.4	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

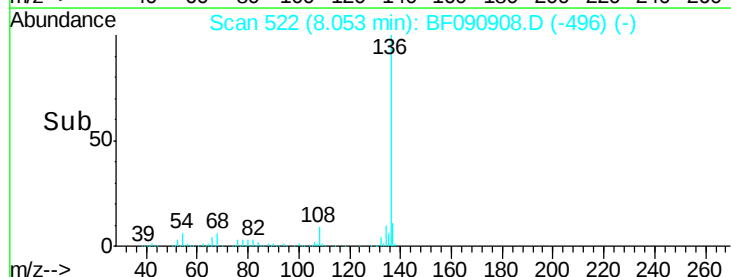
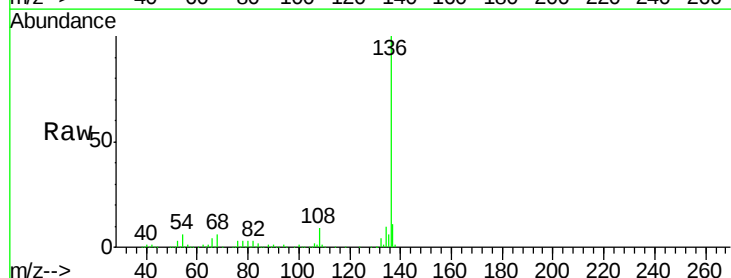
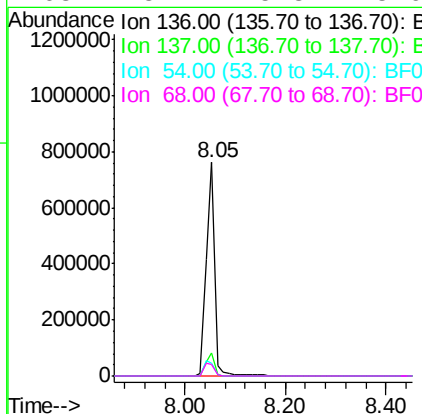
RT: 8.05 min Scan# 522

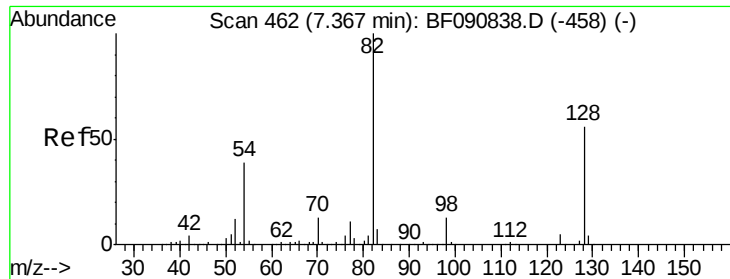
Delta R.T. 0.00 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt Ion:	136	Resp:	887608
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	6.3	8.2	12.2#
68	5.7	5.8	8.6#





#23

Nitrobenzene-d5

Concen: 7.20 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

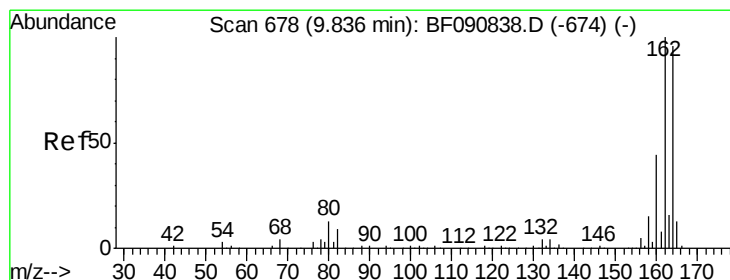
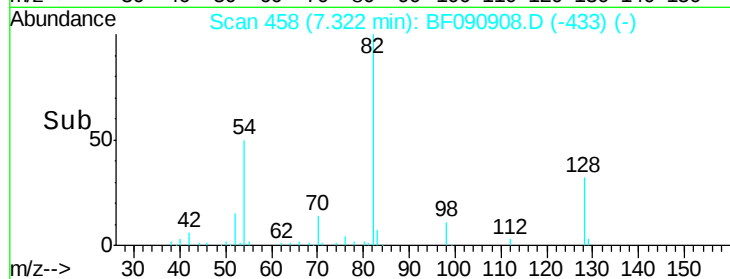
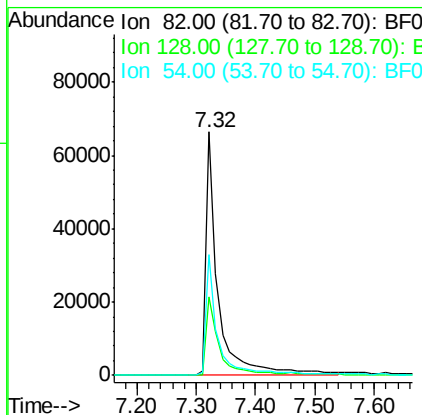
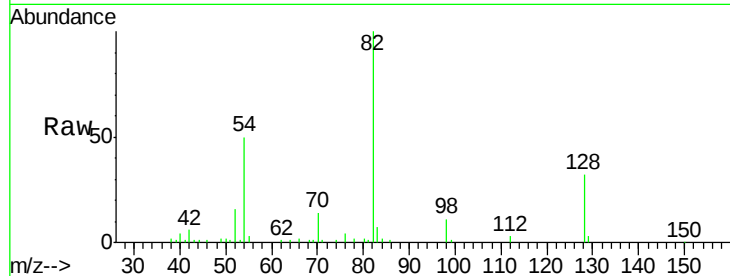
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Tgt Ion:	82	Resp:	97688
Ion Ratio	Lower	Upper	
82	100		
128	32.1	51.0	76.6#
54	49.8	47.5	71.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

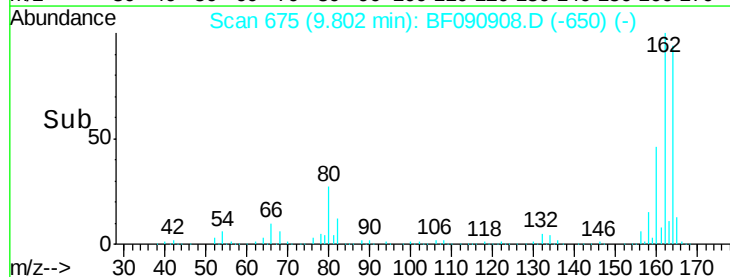
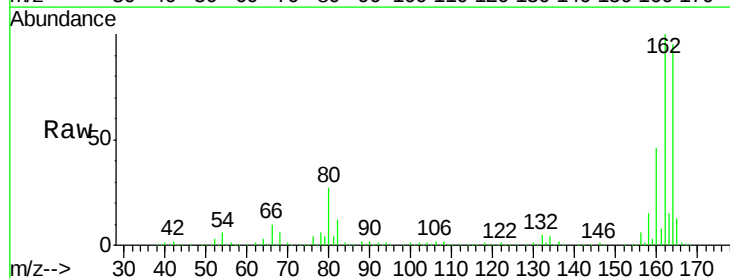
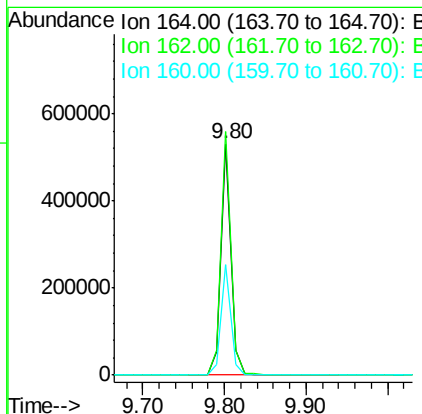
RT: 9.80 min Scan# 675

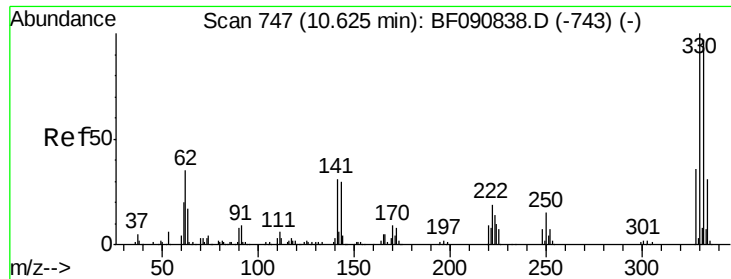
Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt Ion:	164	Resp:	447335
Ion Ratio	Lower	Upper	
164	100		
162	105.4	75.2	112.8
160	48.0	31.5	47.3#





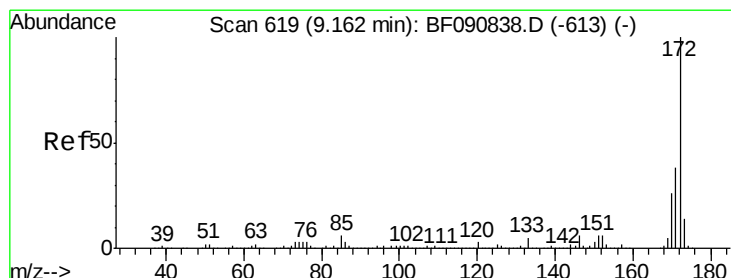
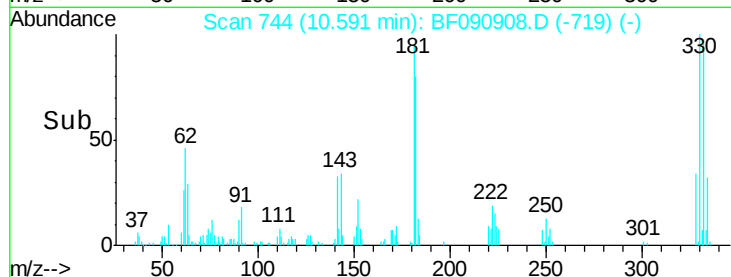
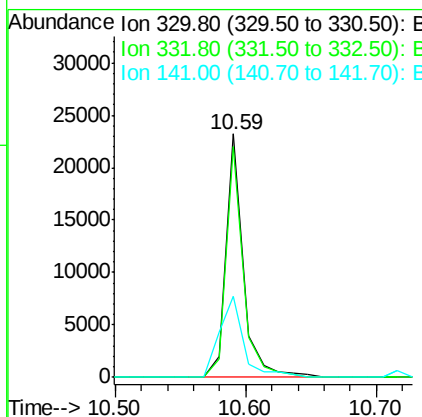
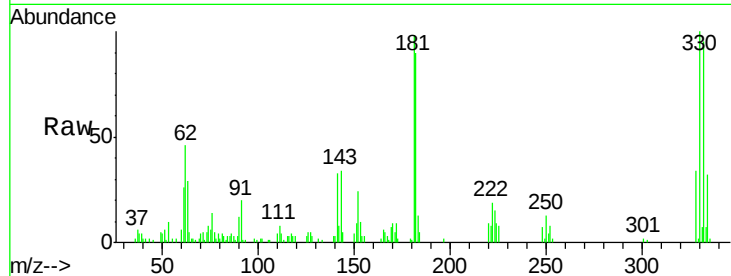
#41
 2,4,6-Tribromophenol
 Concen: 4.71 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090908.D
 Acq: 28 Oct 2016 14:21

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21632		
332	93.6	76.6	114.8	
141	46.1	29.7	44.5#	

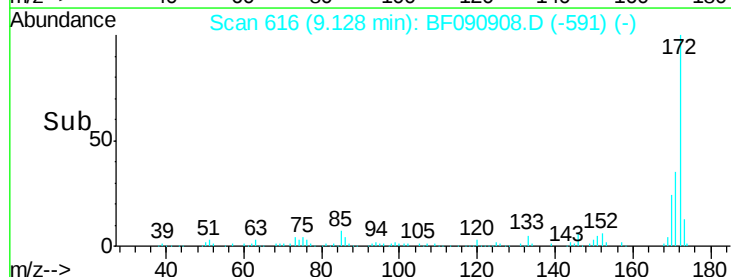
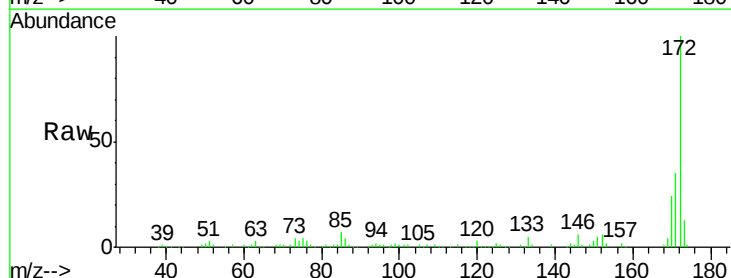
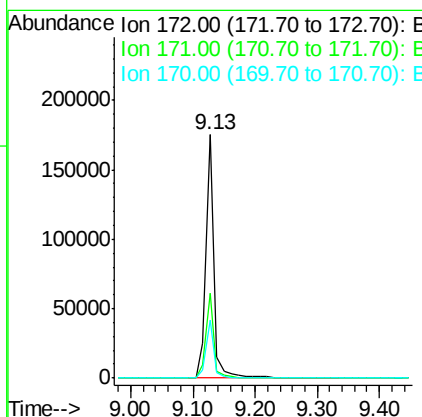
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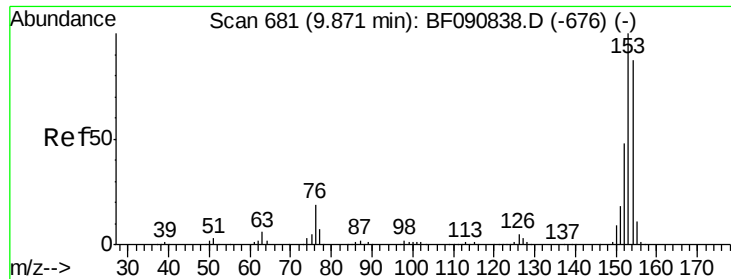
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#44
 2-Fluorobiphenyl
 Concen: 6.26 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090908.D
 Acq: 28 Oct 2016 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	159412		
171	34.8	26.1	39.1	
170	23.9	17.4	26.2	





#51

Acenaphthene

Concen: 2.43 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF090908.D

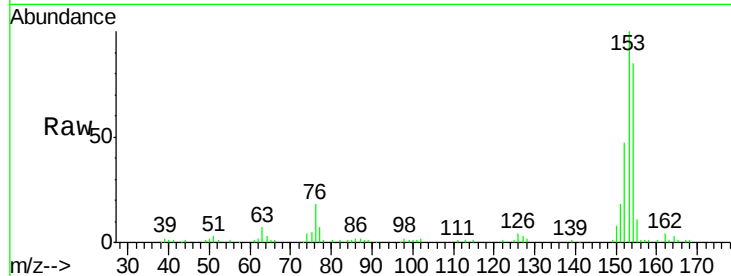
Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

ClientSampleId :

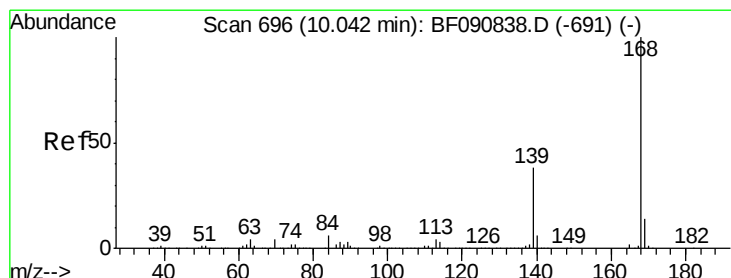
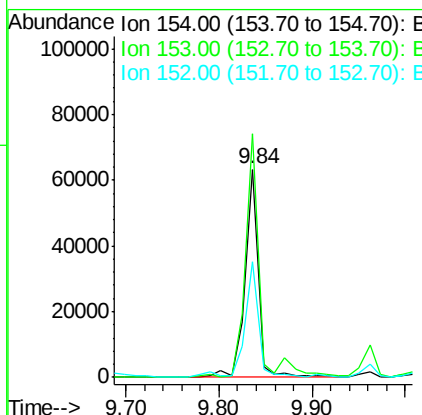
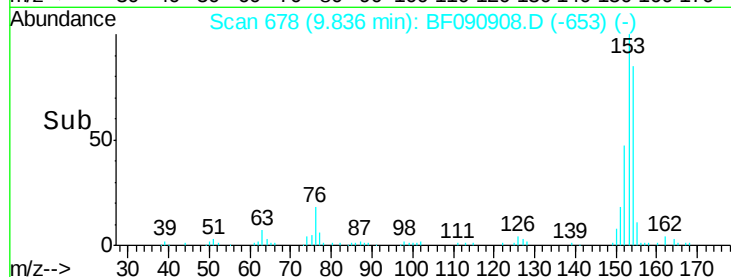
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Tgt Ion:	154	Resp:	62033
Ion	Ratio	Lower	Upper
154	100		
153	117.0	82.1	123.1
152	55.4	37.9	56.9

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#54

Dibenzofuran

Concen: 2.21 ng

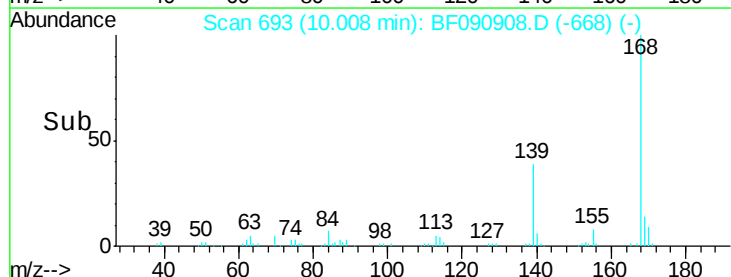
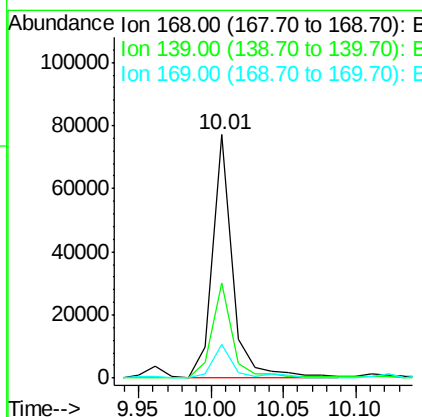
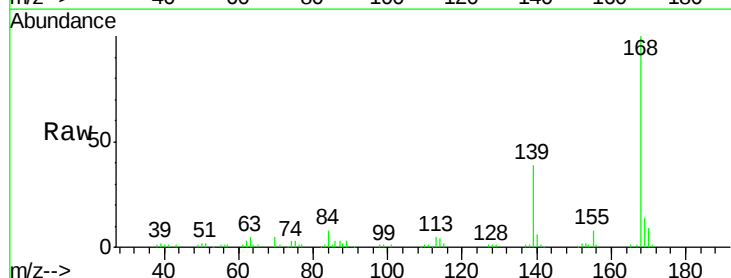
RT: 10.01 min Scan# 693

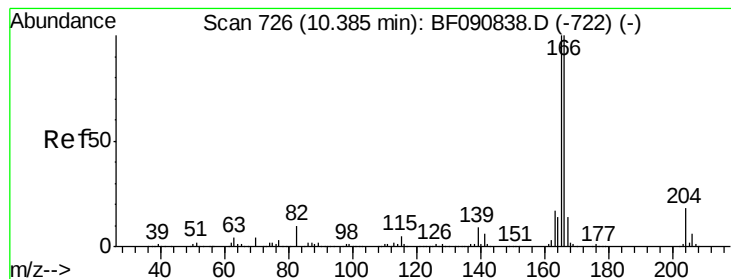
Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt Ion:	168	Resp:	72967
Ion	Ratio	Lower	Upper
168	100		
139	39.2	24.2	36.2#
169	14.0	10.6	15.8





#57

Fluorene

Concen: 3.30 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

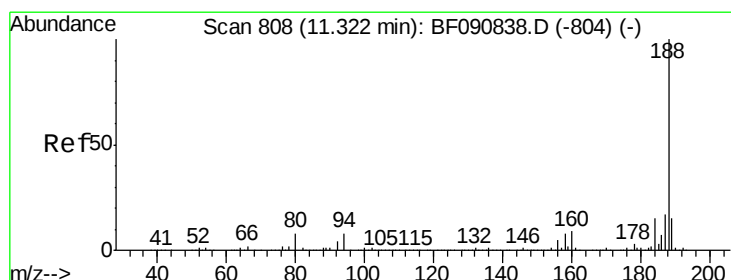
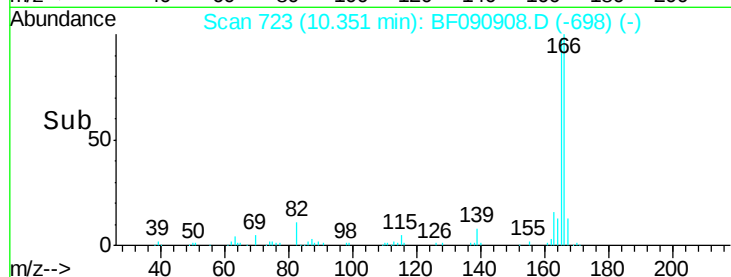
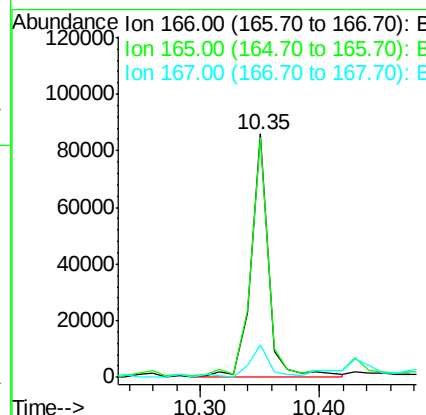
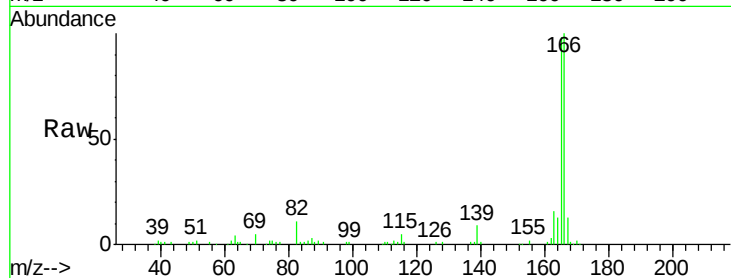
ClientSampleId :

SB-01-5.5-6.0-DUP

Tgt Ion:	166	Resp:	89195
Ion Ratio	Lower	Upper	
166	100		
165	98.4	72.6	109.0
167	13.3	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

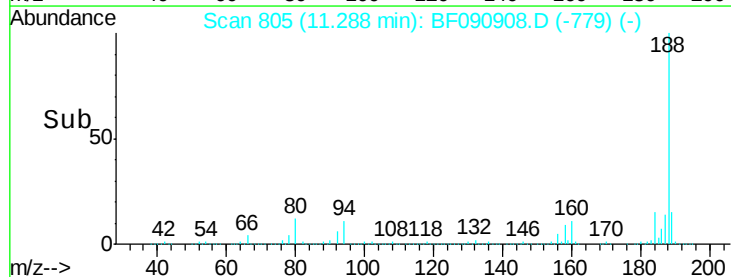
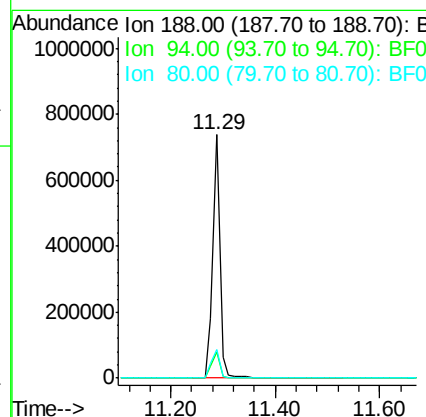
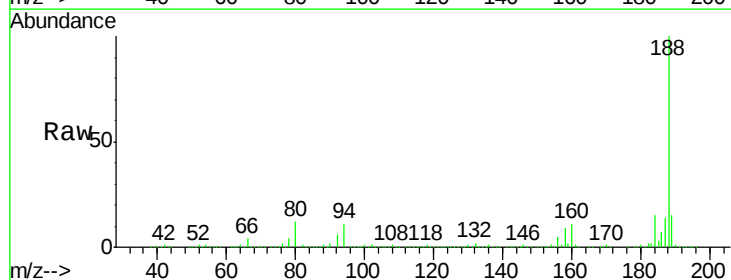
RT: 11.29 min Scan# 805

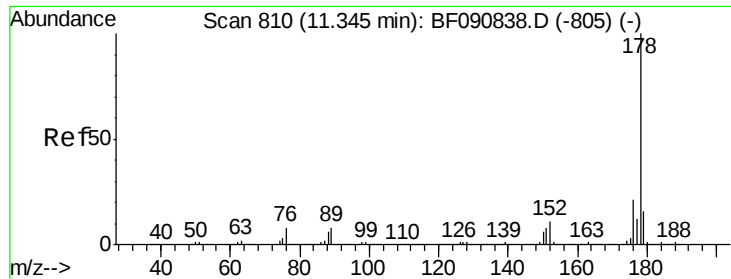
Delta R.T. 0.00 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt Ion:	188	Resp:	701725
Ion Ratio	Lower	Upper	
188	100		
94	10.9	11.1	16.7#
80	11.8	11.0	16.4





#70

Phenanthrene

Concen: 23.35 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

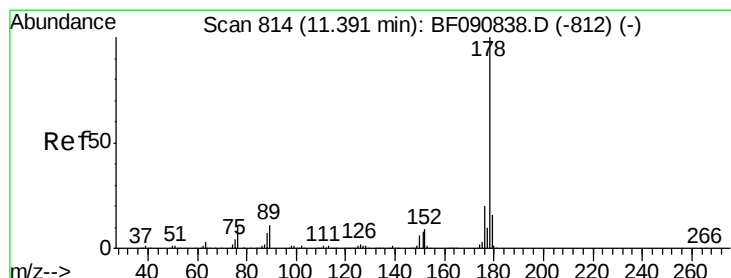
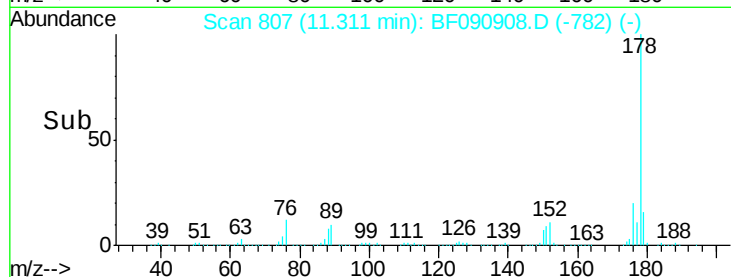
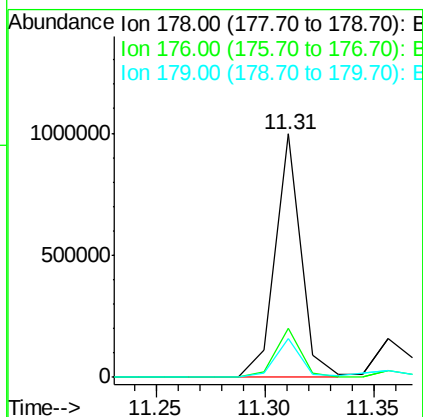
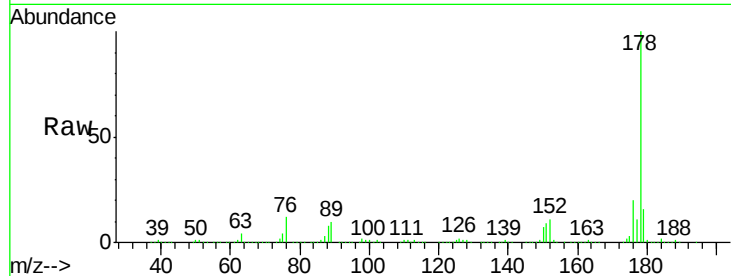
ClientSampleId :

SB-01-5.5-6.0-DUP

Tgt Ion:	178	Resp:	834484
Ion Ratio	Lower	Upper	
178	100		
176	20.1	13.8	20.8
179	15.8	12.2	18.2

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#71

Anthracene

Concen: 5.27 ng

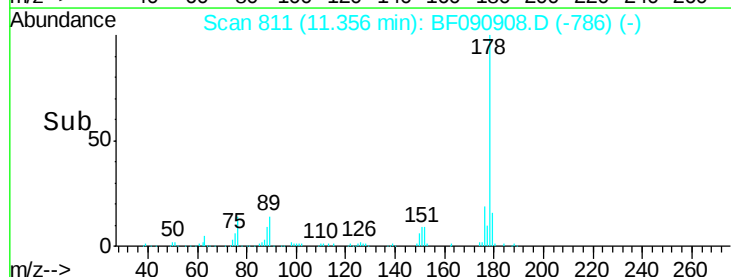
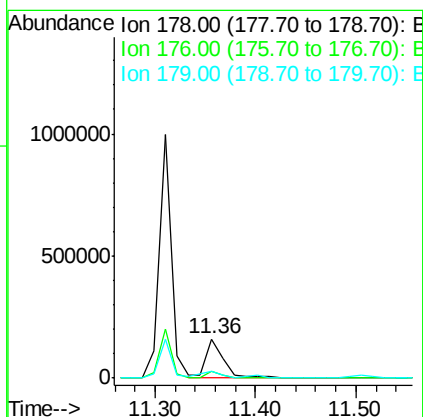
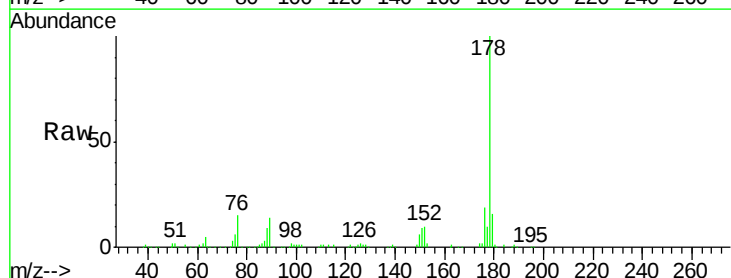
RT: 11.36 min Scan# 811

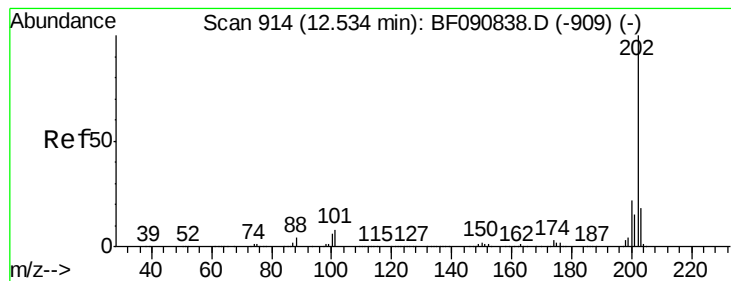
Delta R.T. -0.01 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt Ion:	178	Resp:	198429
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.1	21.1
179	16.0	12.2	18.2





#74

Fluoranthene

Concen: 18.44 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

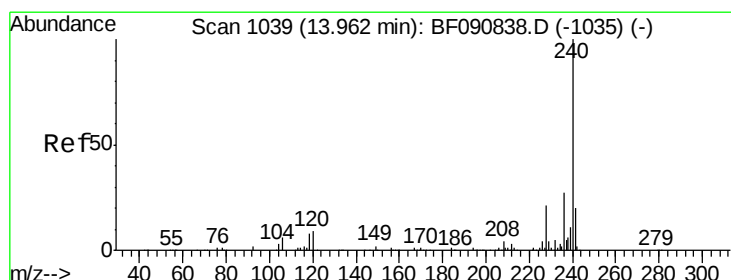
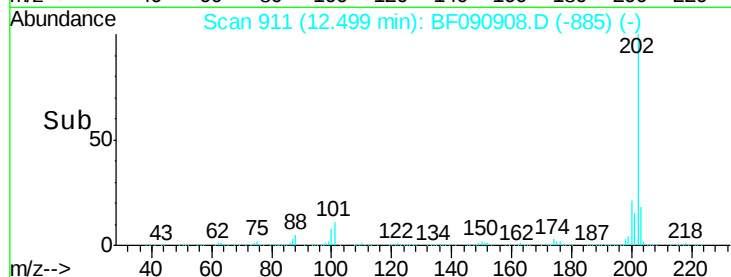
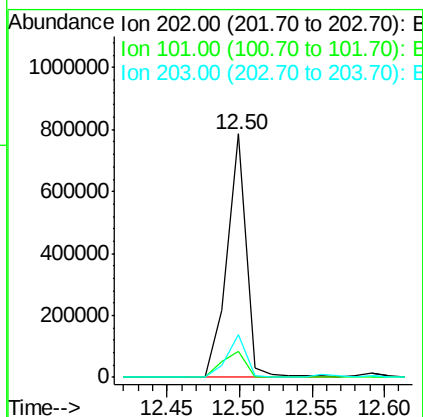
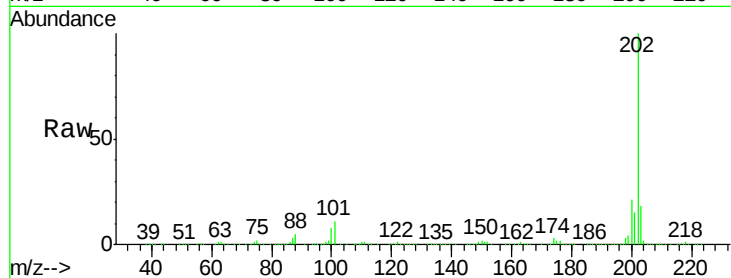
ClientSampled :

SB-01-5.5-6.0-DUP

Tgt	Ion	202	Resp:	721586
Ion	Ratio	Lower	Upper	
202	100			
101	10.6	0.0	38.3	
203	17.7	0.0	37.3	

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#75

Chrysene-d12

Concen: 20.00 ng

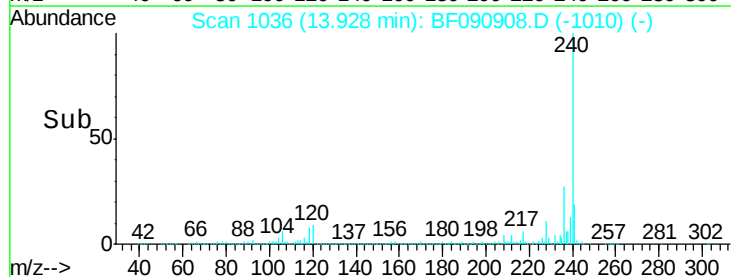
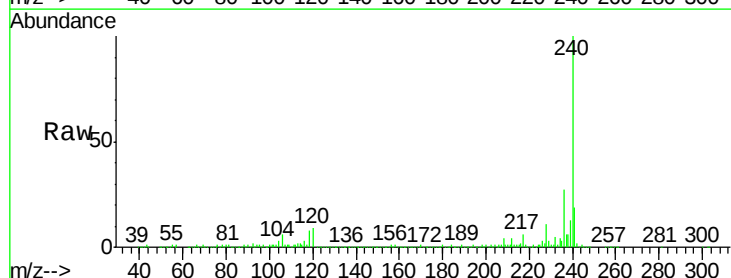
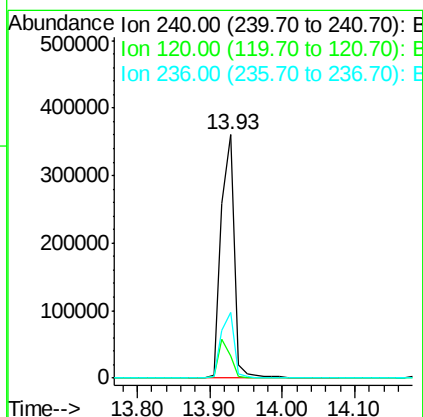
RT: 13.93 min Scan# 1036

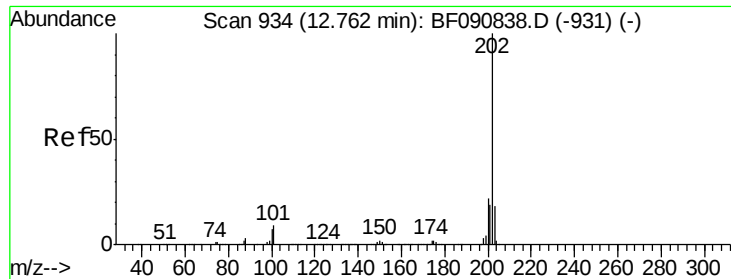
Delta R.T. 0.00 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Tgt	Ion	240	Resp:	459505
Ion	Ratio	Lower	Upper	
240	100			
120	9.1	16.2	24.2#	
236	26.8	18.4	27.6	





#77

Pyrene

Concen: 21.03 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF090908.D

Acq: 28 Oct 2016 14:21

Instrument :

BNA_F

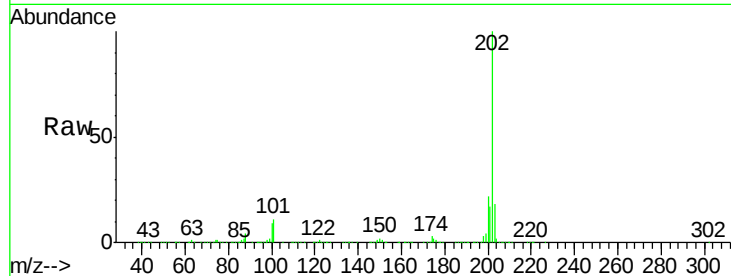
ClientSampleId :

SB-01-5.5-6.0-DUP

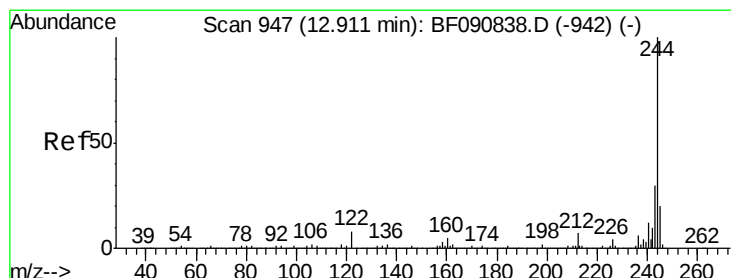
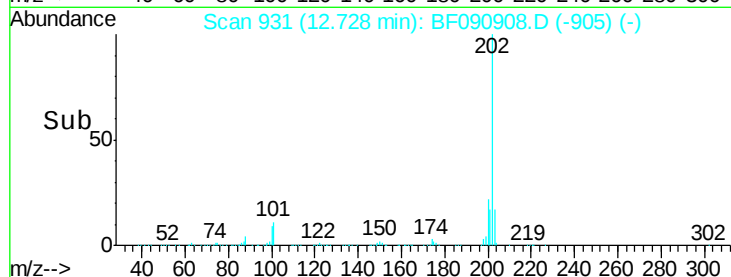
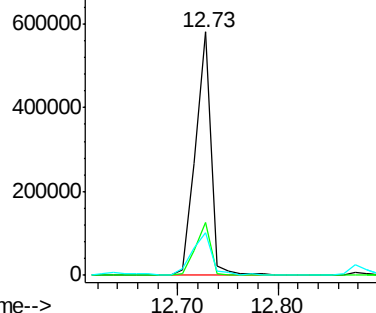
Tgt	Ion:202	Resp:	611568
Ion	Ratio	Lower	Upper
202	100		
200	21.8	15.0	22.4
203	17.7	14.1	21.1

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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: 5.51 ng

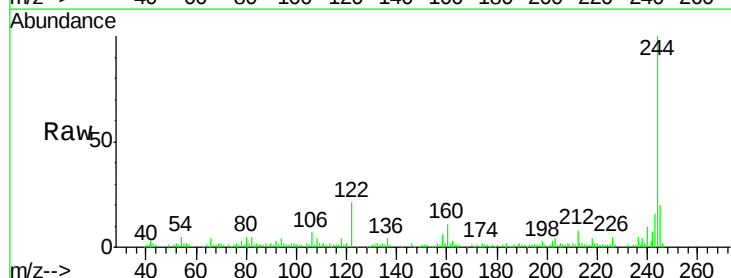
RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

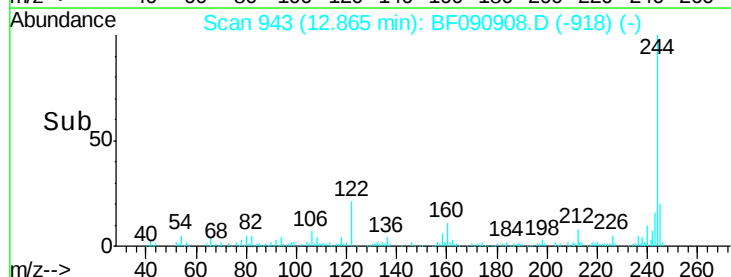
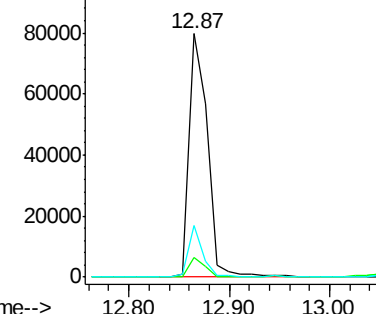
Lab File: BF090908.D

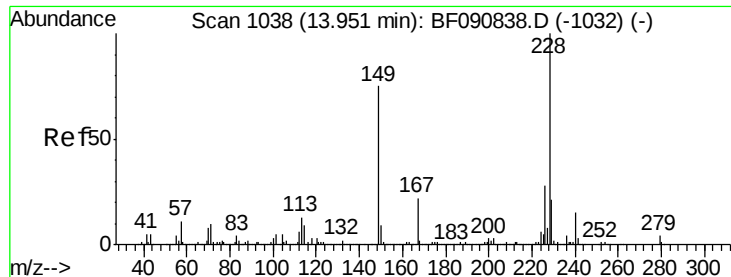
Acq: 28 Oct 2016 14:21

Tgt	Ion:244	Resp:	100509
Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.3	6.5#
122	21.0	17.4	26.2



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





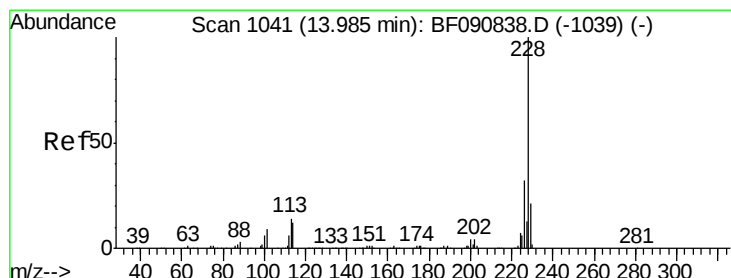
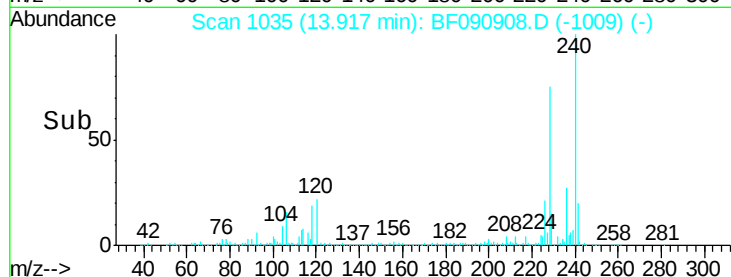
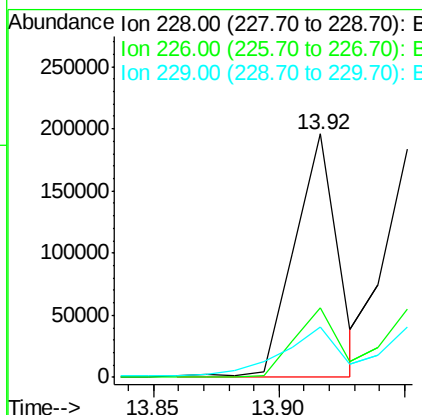
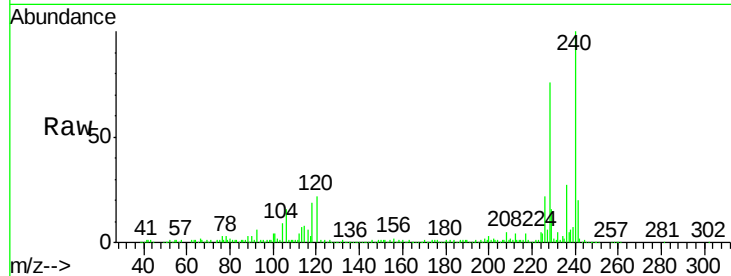
#80
Benzo(a)anthracene
Concen: 9.61 ng m
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.0	30.0
229	20.6	15.4	23.2

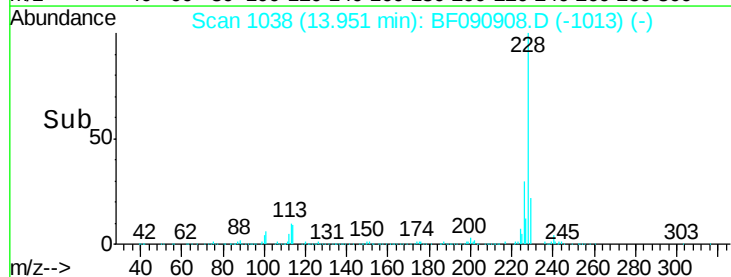
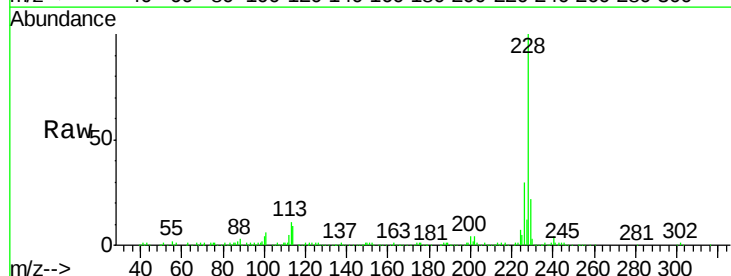
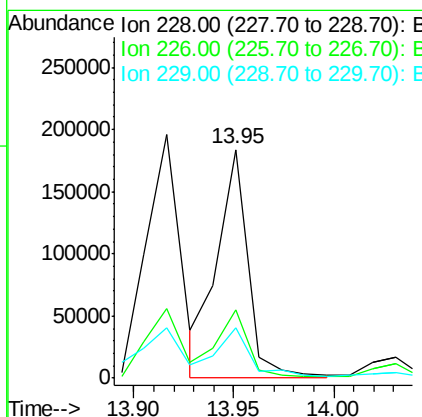
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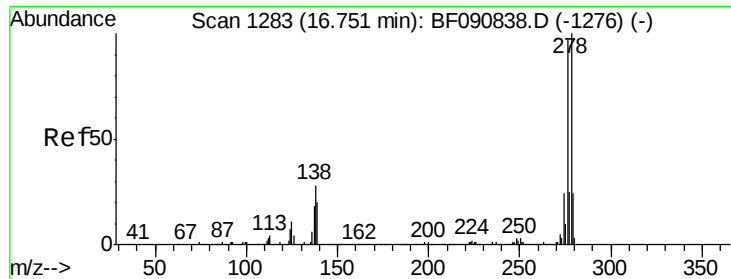
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#82
Chrysene
Concen: 8.01 ng m
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.4
229	22.2	15.6	23.4





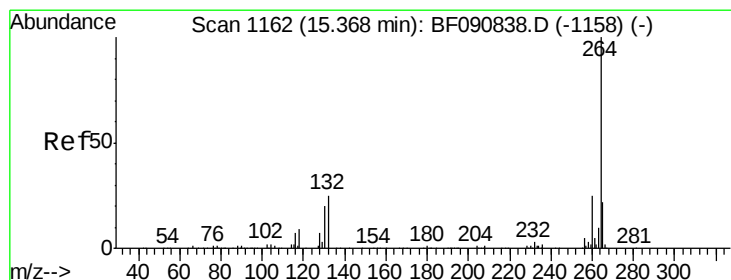
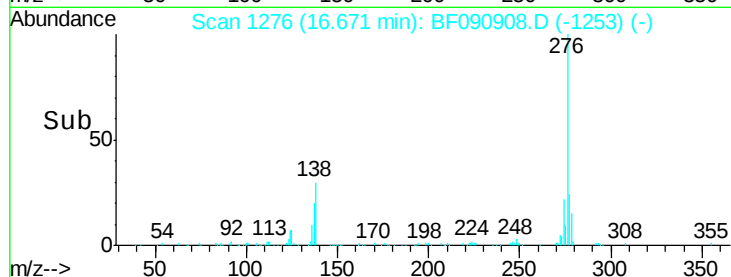
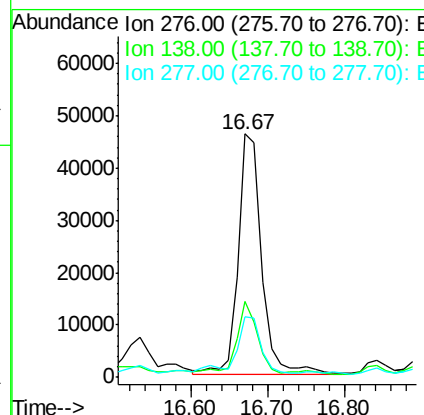
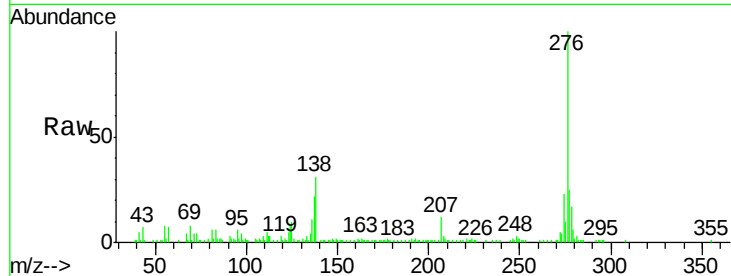
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.54 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF090908.D
 Acq: 28 Oct 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.7	38.5
277	27.9	15.6	23.4

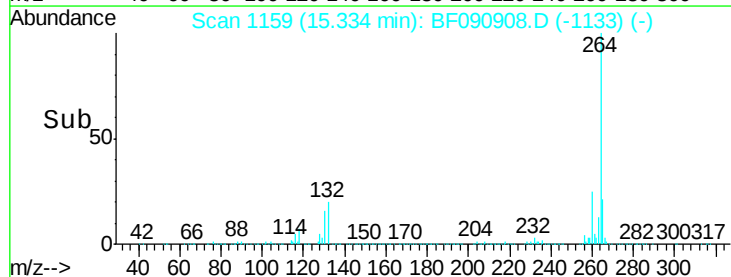
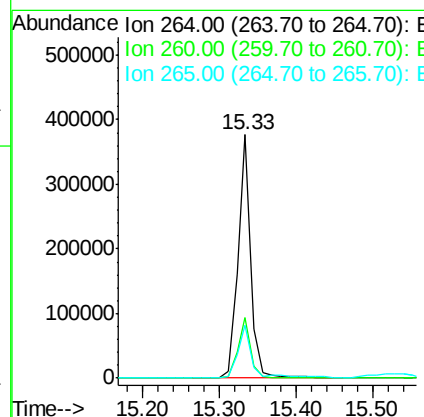
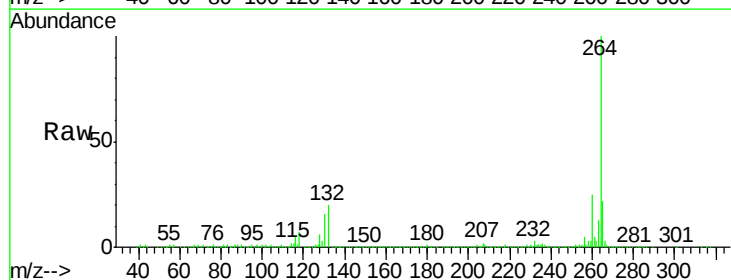
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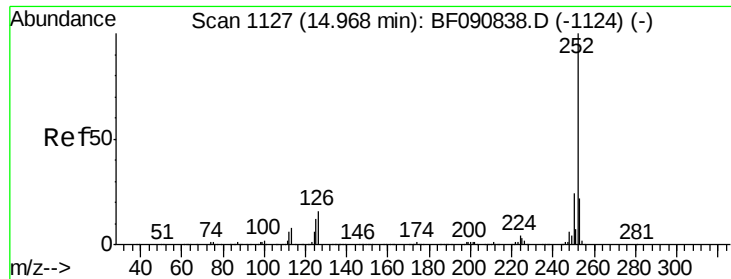
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF090908.D
 Acq: 28 Oct 2016 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1
265	21.6	17.2	25.8





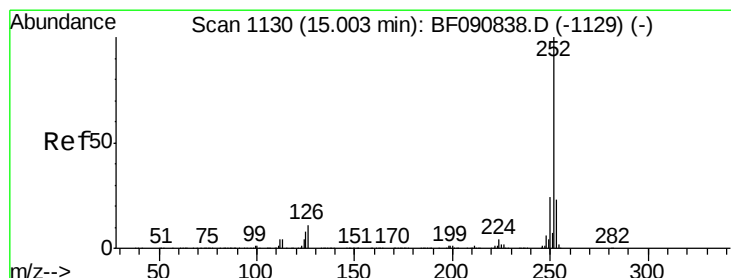
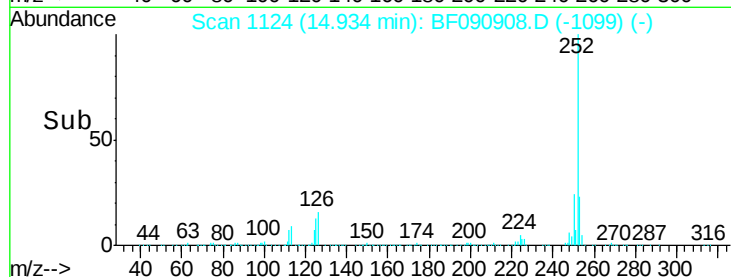
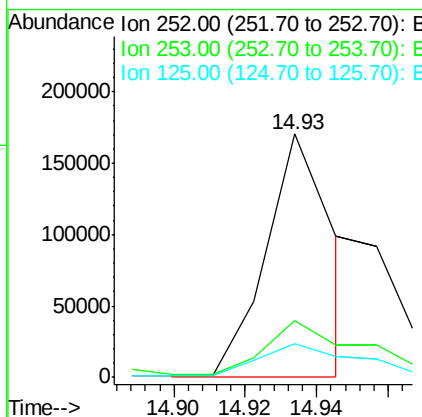
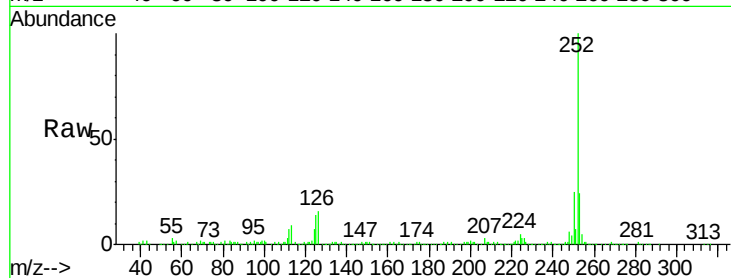
#87
Benzo(b)fluoranthene
Concen: 7.40 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.9	17.1	25.7

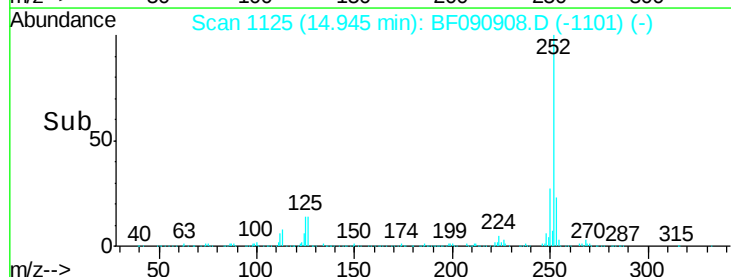
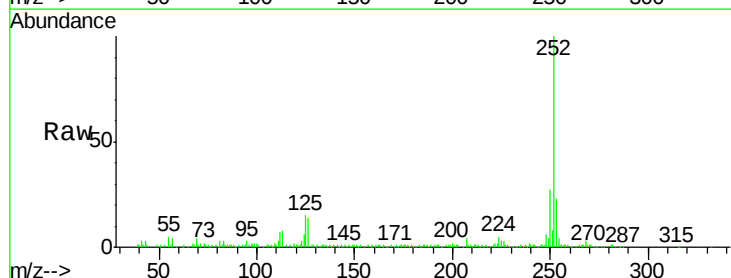
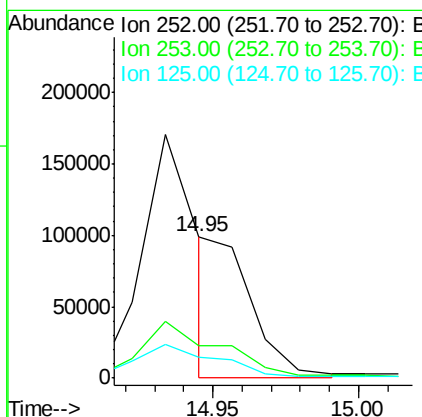
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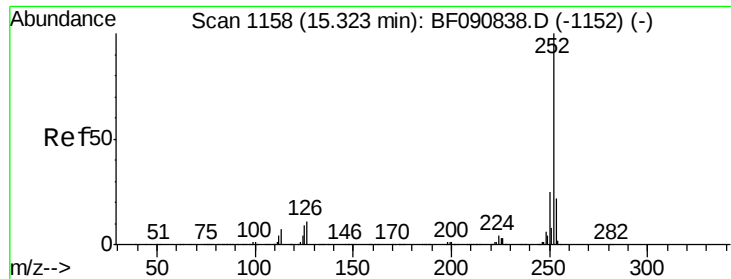
sohil
11/1/2016 7:10:32 PM



#88
Benzo(k)fluoranthene
Concen: 3.68 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	14.7	16.0	24.0





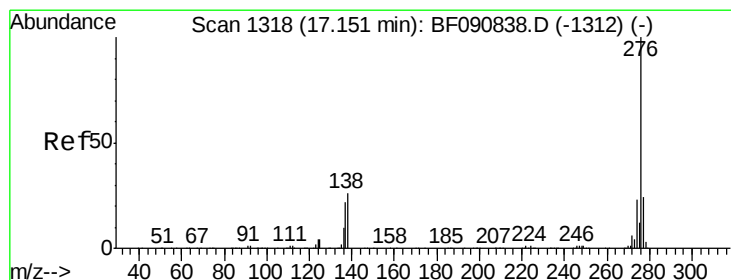
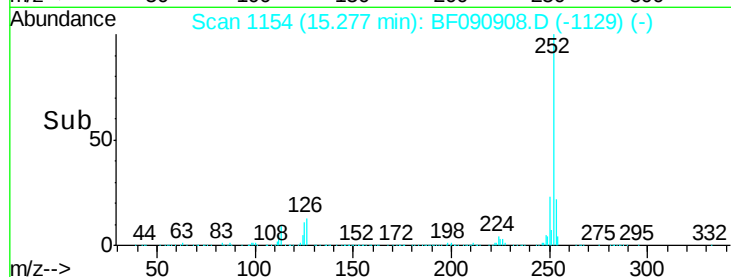
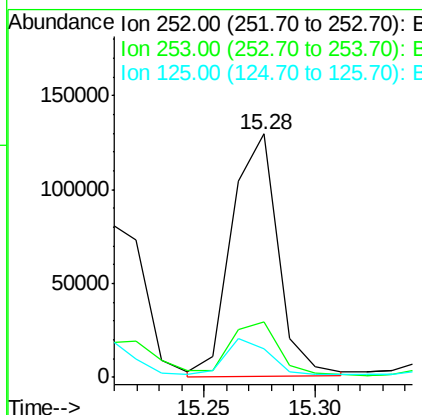
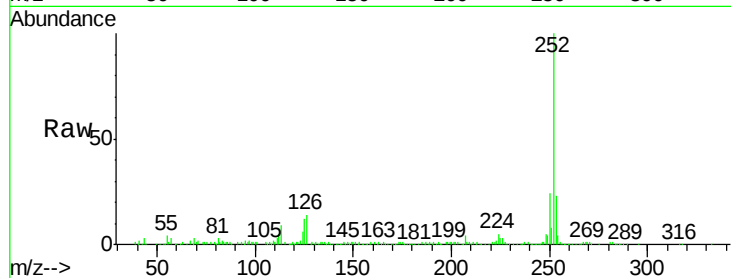
#89
Benzo(a)pyrene
Concen: 7.22 ng m
RT: 15.28 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.6	18.0	27.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.31 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.8	26.6
138	28.3	34.6	51.8#

