

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090034.D
 Acq On : 8 Sep 2016 19:49
 Operator : UM/SJ
 Sample : H4704-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

Manual Integrations
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 9/9/2016 8:39:11 AM

Quant Time: Sep 09 05:20:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	200308	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	841285	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	416490	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	730275	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	518156	20.00	ng	-0.01
86) Perylene-d12	15.05	264	465696	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	904505	72.28	ng	0.01
7) Phenol-d6	6.24	99	1139031	74.91	ng	-0.01
23) Nitrobenzene-d5	7.16	82	702485	48.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	242950	59.13	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1382350	54.48	ng	0.00
78) Terphenyl-d14	12.68	244	1138464	54.28	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	458769	15.24	ng	100
70) Phenanthrene	11.12	178	239807	6.59	ng	96
71) Anthracene	11.18	178	78524	2.13	ng	97
74) Fluoranthene	12.30	202	440974	11.57	ng	94
77) Pyrene	12.52	202	394629	10.80	ng	98
80) Benzo(a)anthracene	13.70	228	221258	6.97	ng	98
82) Chrysene	13.74	228	161289	5.44	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	78560m	3.58	ng	
87) Benzo(b)fluoranthene	14.70	252	191945m	6.58	ng	
88) Benzo(k)fluoranthene	14.72	252	92628m	3.74	ng	
89) Benzo(a)pyrene	15.01	252	149277	5.97	ng	99
91) Benzo(g,h,i)perylene	16.62	276	64882	3.52	ng	# 93

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

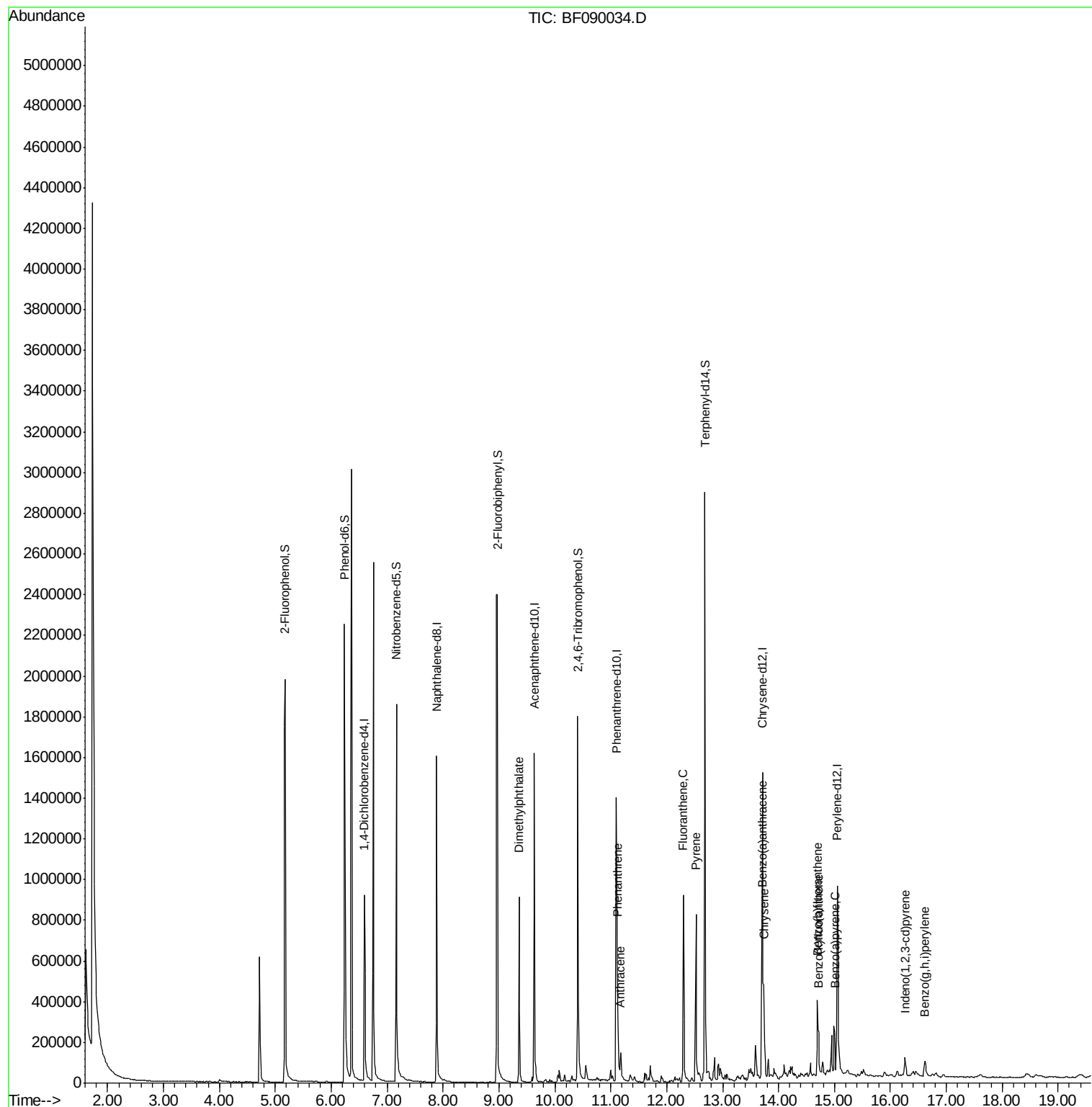
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090034.D
Acq On : 8 Sep 2016 19:49
Operator : UM/SJ
Sample : H4704-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

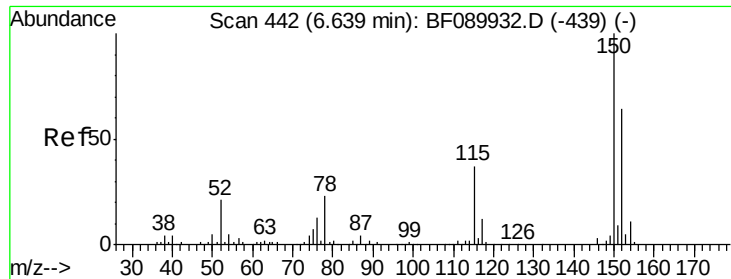
Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

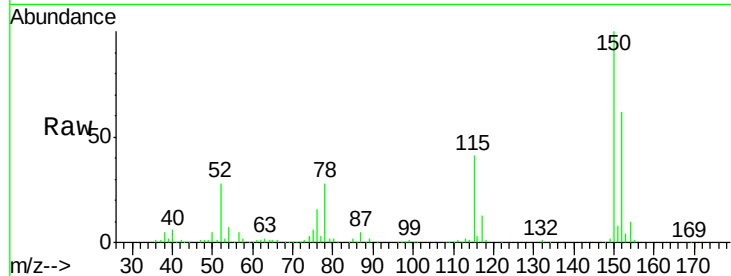
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

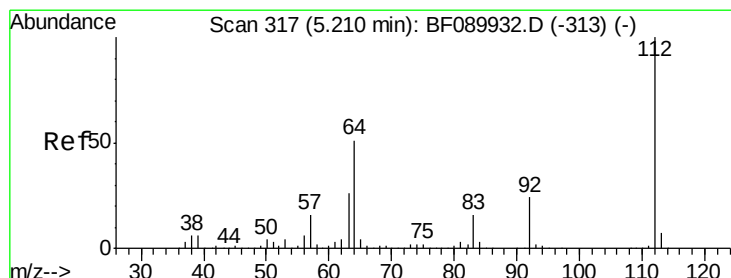
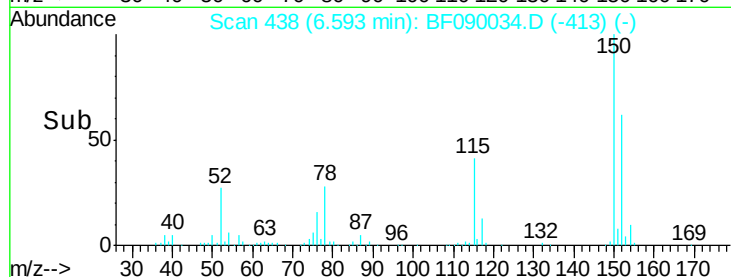
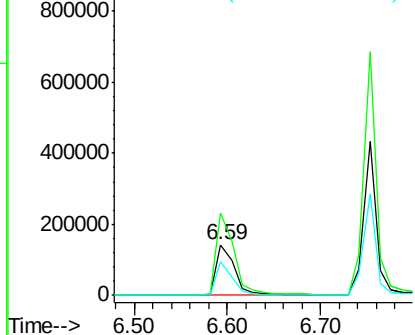
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.9	127.4	191.2
115	66.2	46.3	69.5

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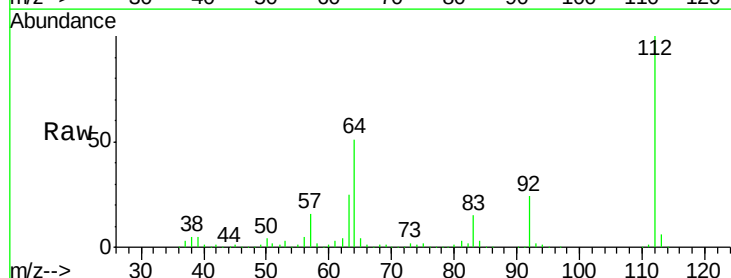
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



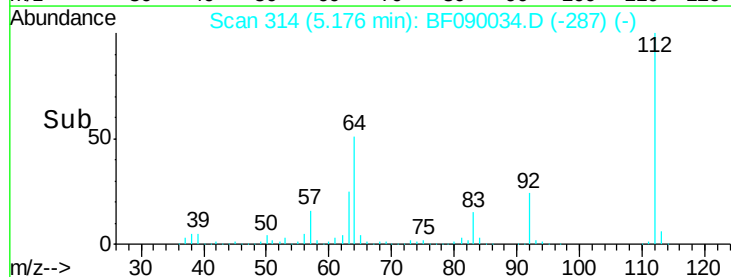
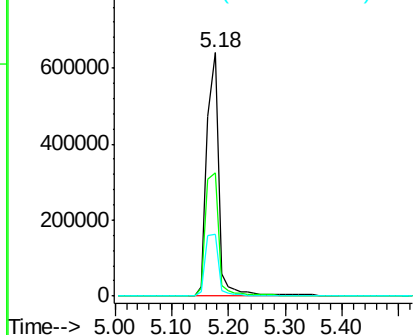
#5

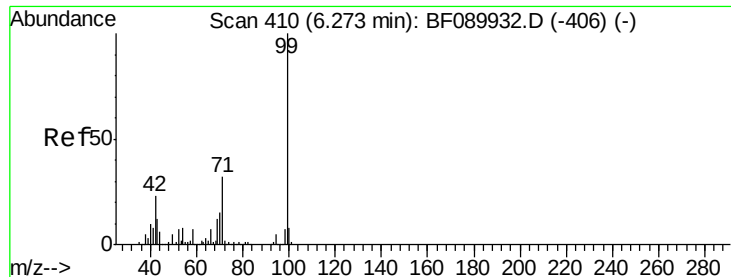
2-Fluorophenol
Concen: 72.28 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	41.1	61.7
63	25.3	21.2	31.8



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: 74.91 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

Tgt Ion: 99 Resp: 1139031

Ion Ratio Lower Upper

99 100

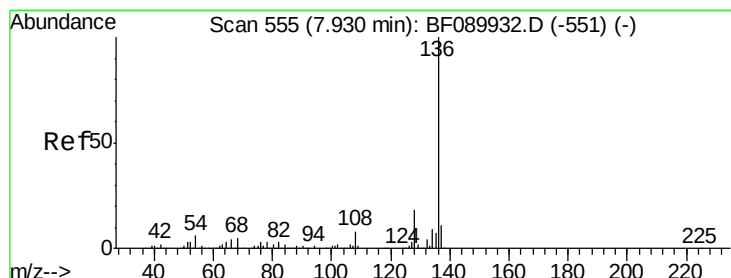
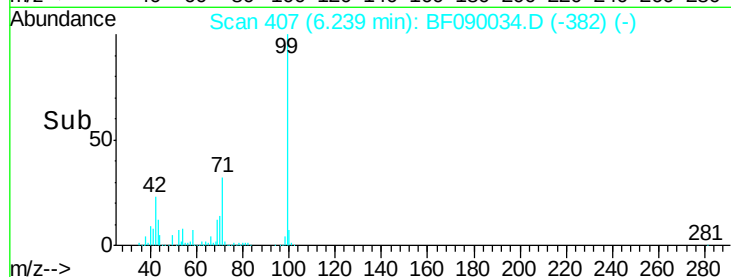
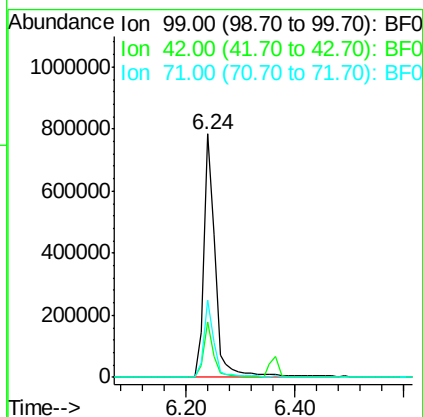
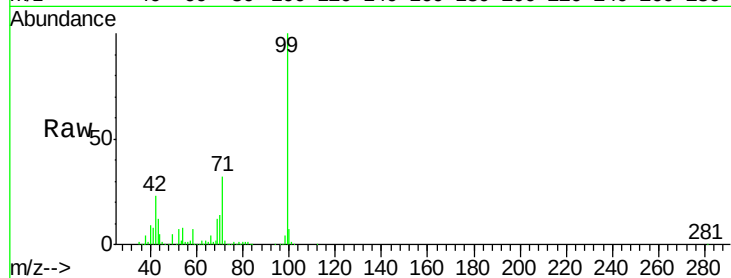
42 22.9 18.6 27.8

71 31.9 25.8 38.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion: 136 Resp: 841285

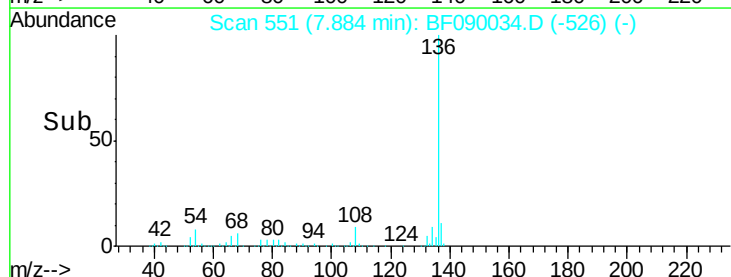
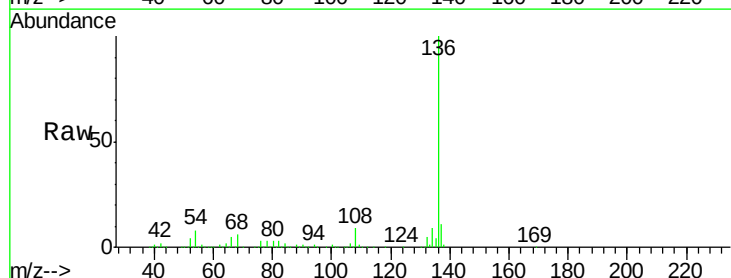
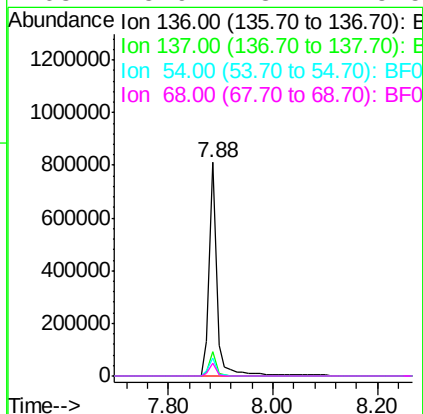
Ion Ratio Lower Upper

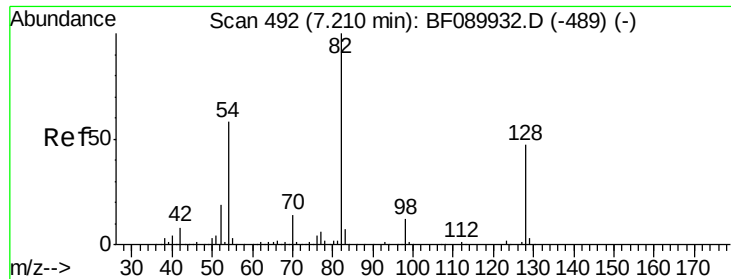
136 100

137 11.4 8.3 12.5

54 8.4 4.8 7.2#

68 5.9 3.7 5.5#





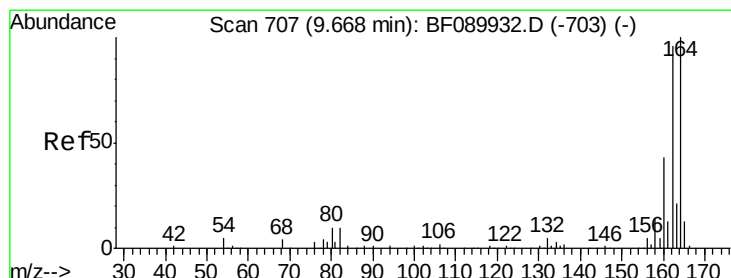
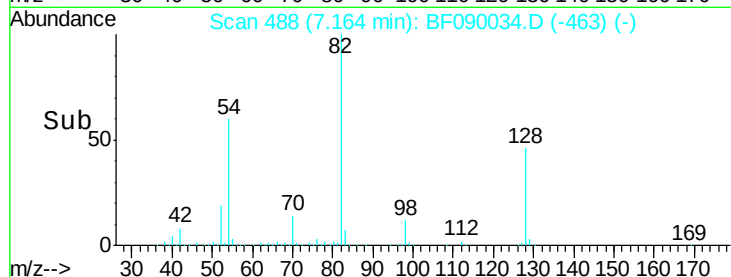
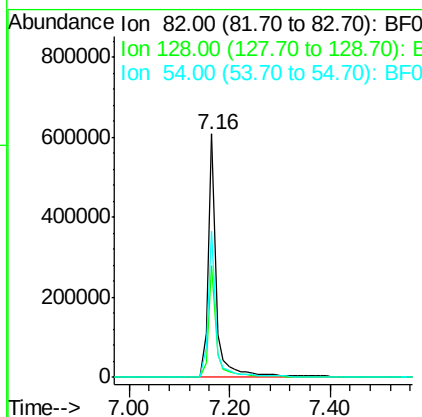
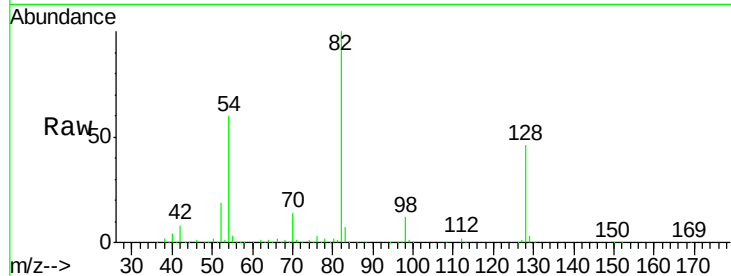
#23
 Nitrobenzene-d5
 Concen: 48.43 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.8	56.8
54	60.1	46.9	70.3

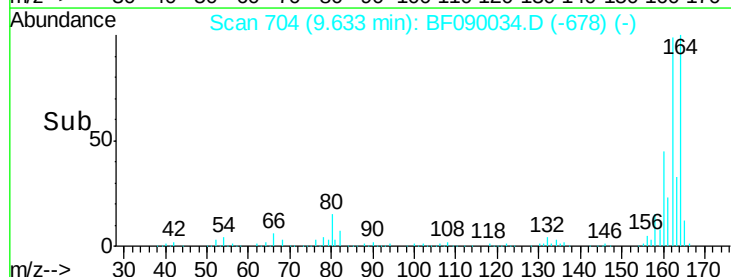
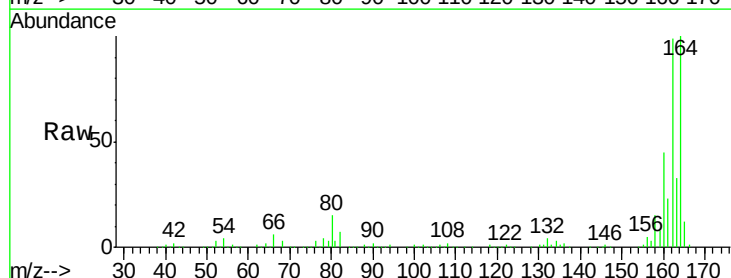
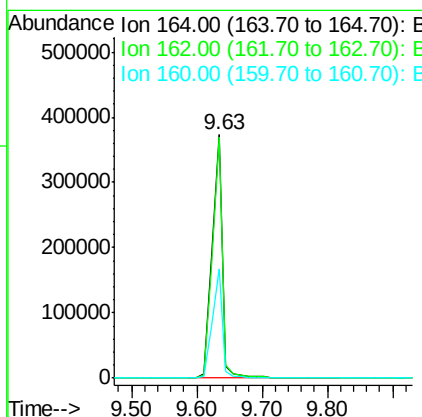
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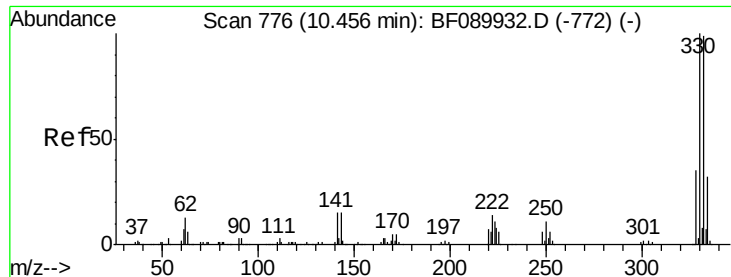
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	77.1	115.7
160	45.0	35.3	52.9





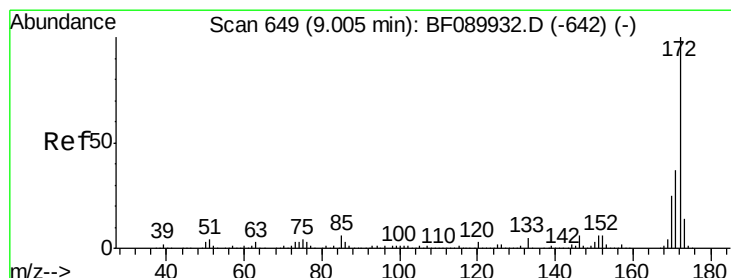
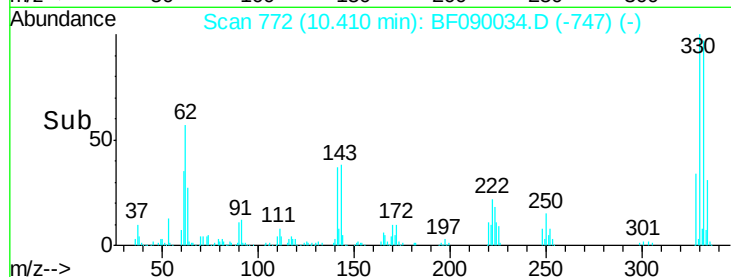
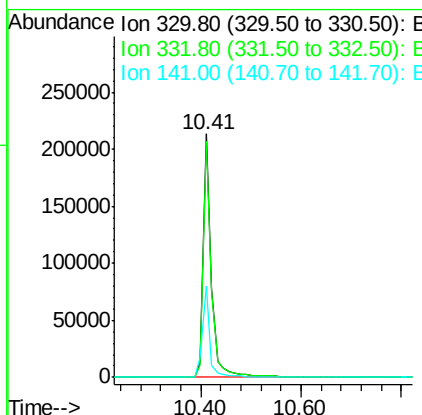
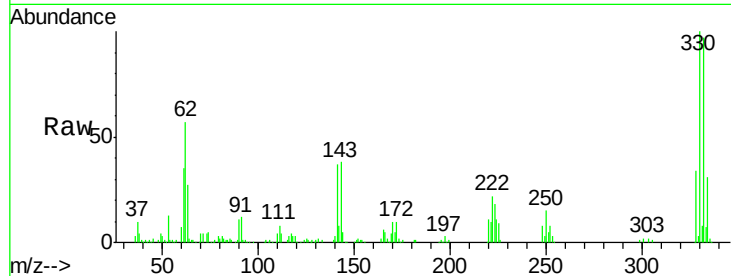
#41
 2,4,6-Tribromophenol
 Concen: 59.13 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Instrument :
 BNA_F
 ClientSampled :
 SB-5-8.0-9.0

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	242950		
332	96.1	78.6	117.8	
141	33.4	23.3	34.9	

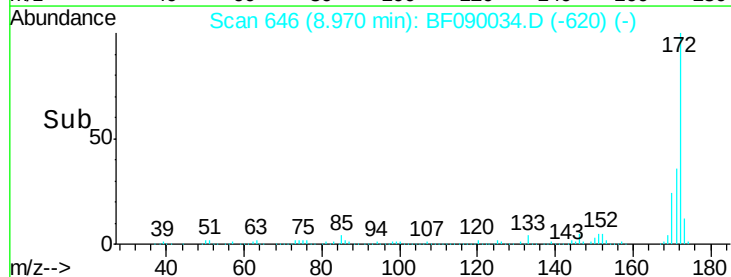
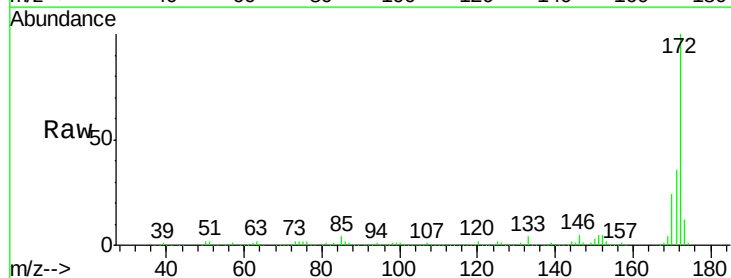
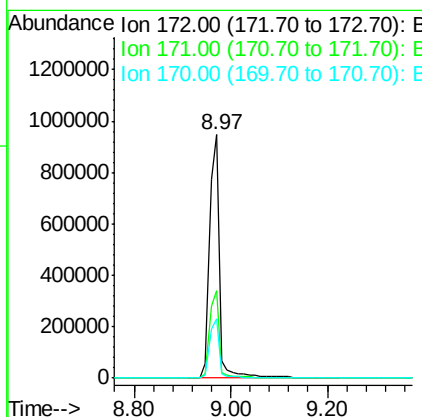
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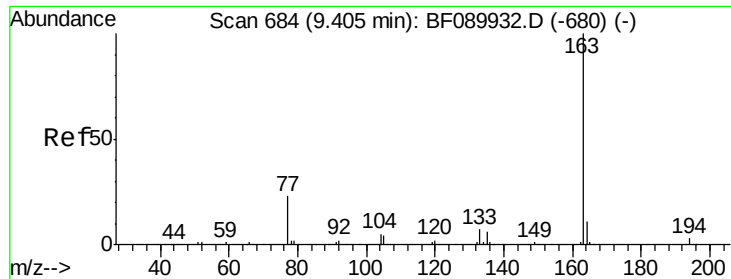
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#44
 2-Fluorobiphenyl
 Concen: 54.48 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1382350		
171	35.7	29.4	44.2	
170	24.2	20.1	30.1	





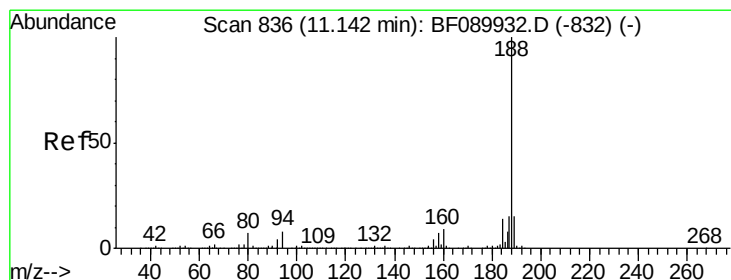
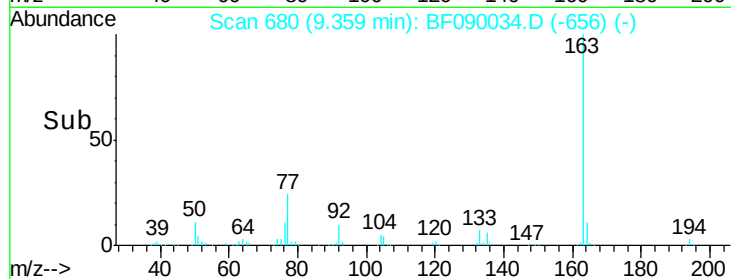
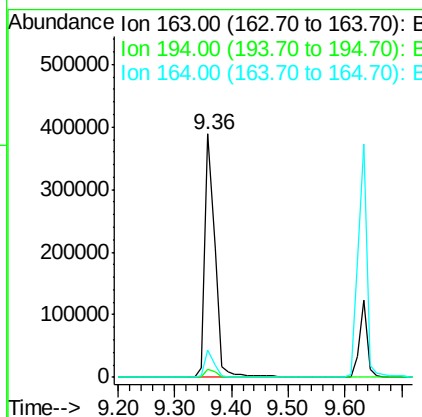
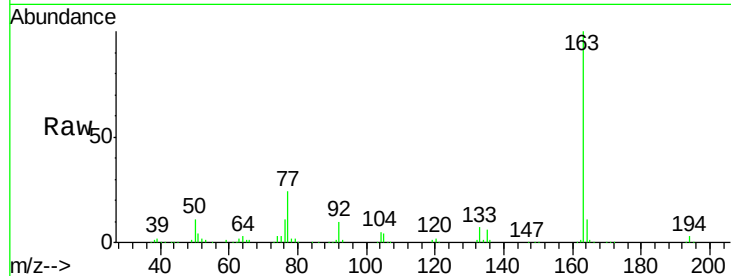
#49
Dimethylphthalate
Concen: 15.24 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	458769		
194	3.2		2.7	4.1
164	11.1		9.0	13.4

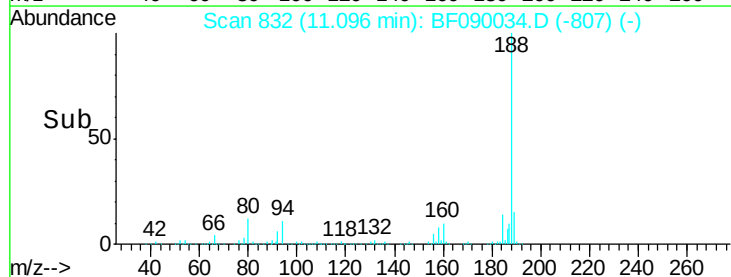
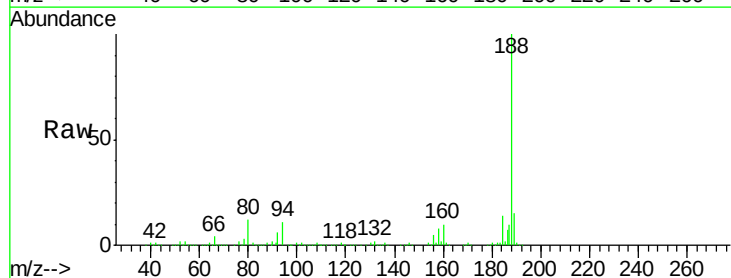
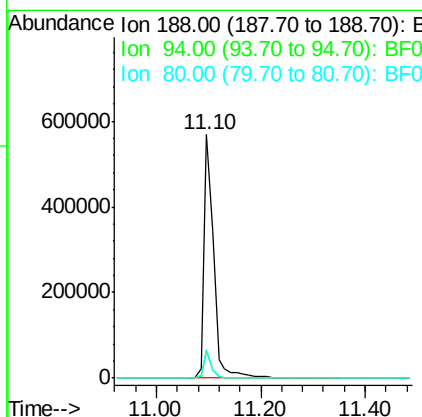
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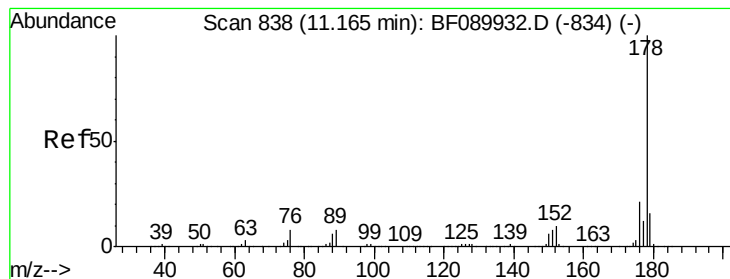
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	730275		
94	11.4		5.9	8.9#
80	11.6		5.8	8.8#





#70

Phenanthrene

Concen: 6.59 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

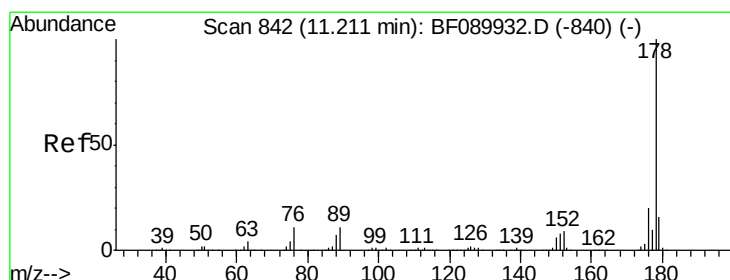
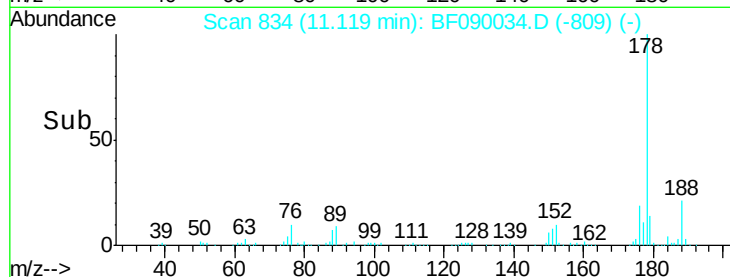
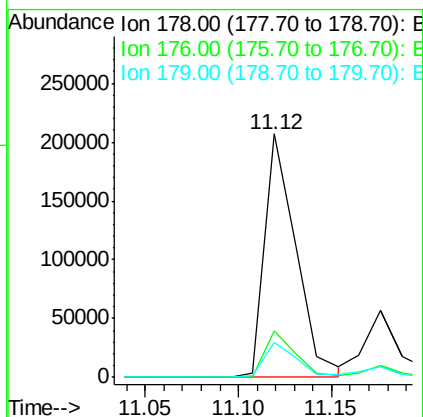
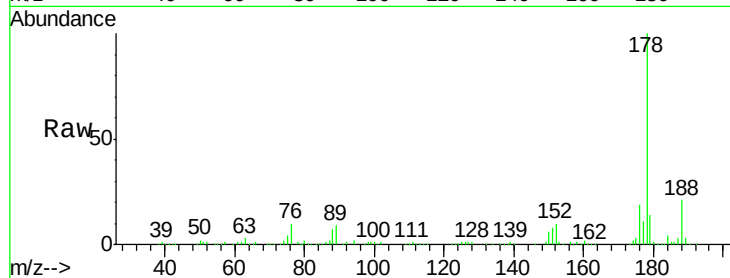
ClientSampleId :

SB-5-8.0-9.0

Tgt Ion:	178	Resp:	239807
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.5	24.7
179	14.4	12.8	19.2

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#71

Anthracene

Concen: 2.13 ng

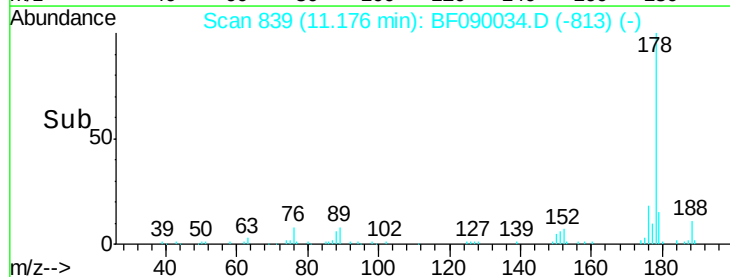
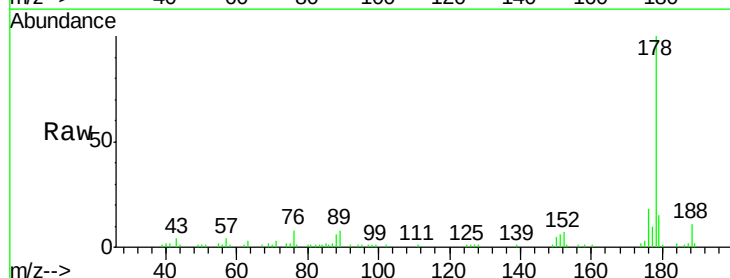
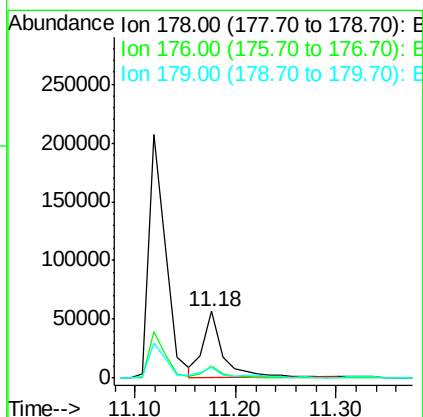
RT: 11.18 min Scan# 839

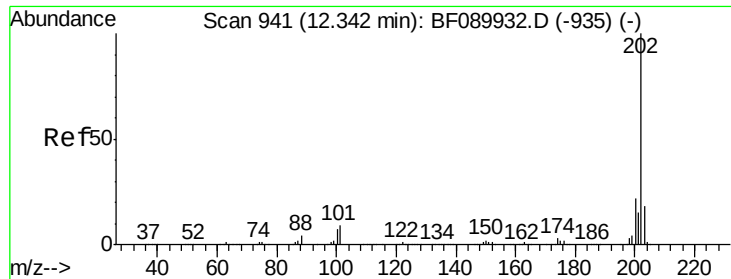
Delta R.T. 0.00 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion:	178	Resp:	78524
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.4





#74

Fluoranthene

Concen: 11.57 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

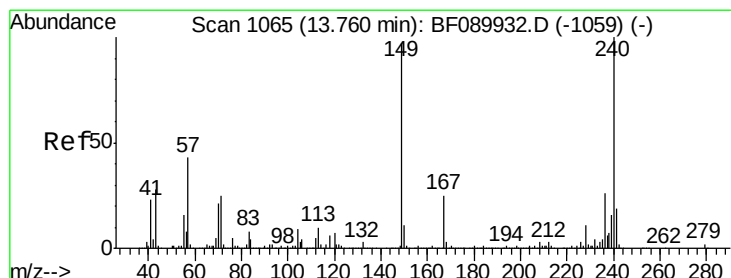
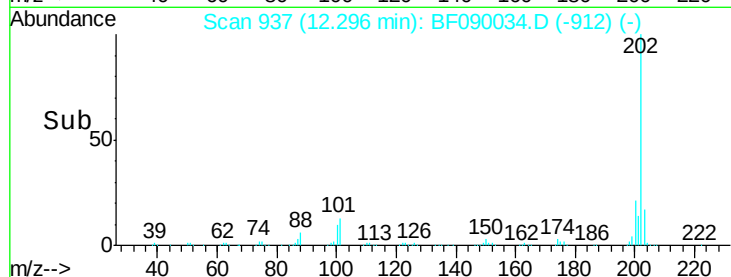
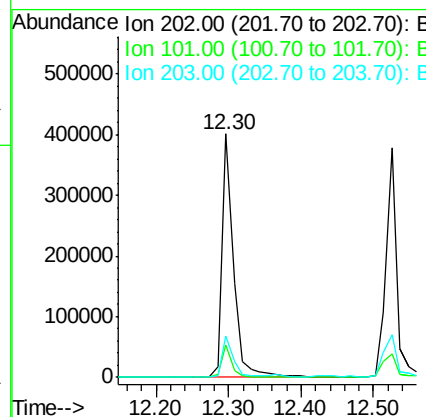
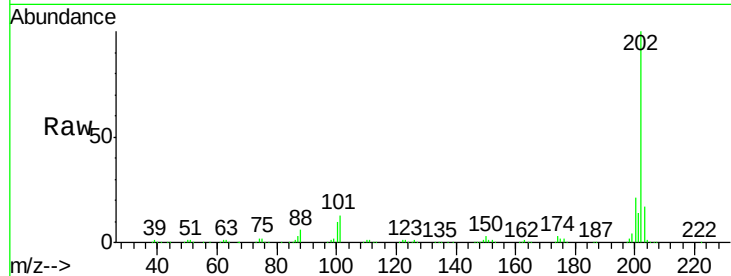
ClientSampled :

SB-5-8.0-9.0

Tgt	Ion	202	Resp:	440974
Ion	Ratio	Lower	Upper	
202	100			
101	13.4	0.0	28.5	
203	17.2	0.0	38.0	

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#75

Chrysene-d12

Concen: 20.00 ng

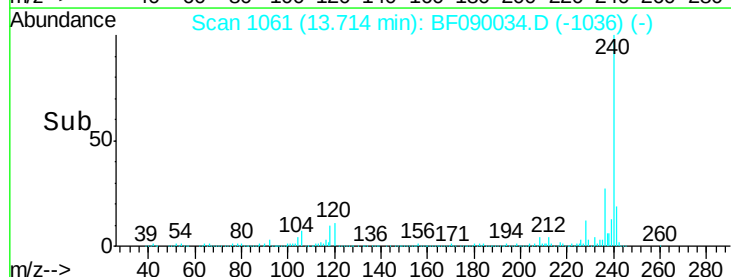
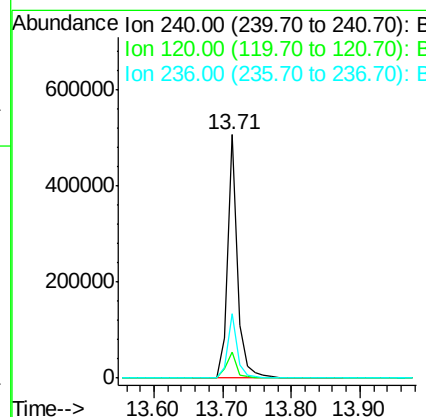
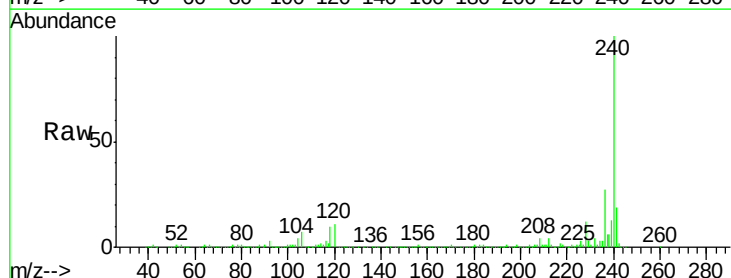
RT: 13.71 min Scan# 1061

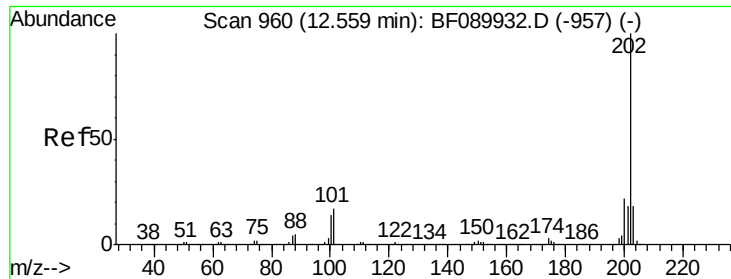
Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt	Ion	240	Resp:	518156
Ion	Ratio	Lower	Upper	
240	100			
120	10.9	5.7	8.5#	
236	26.5	21.3	31.9	





#77

Pyrene

Concen: 10.80 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

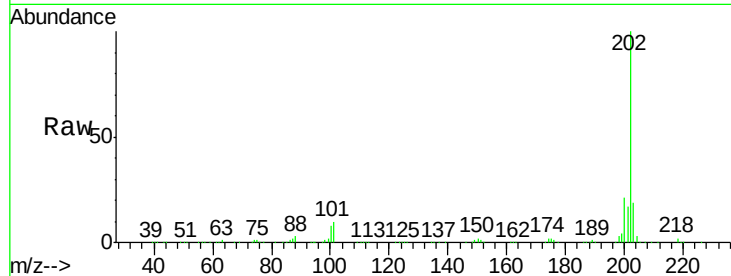
ClientSampleId :

SB-5-8.0-9.0

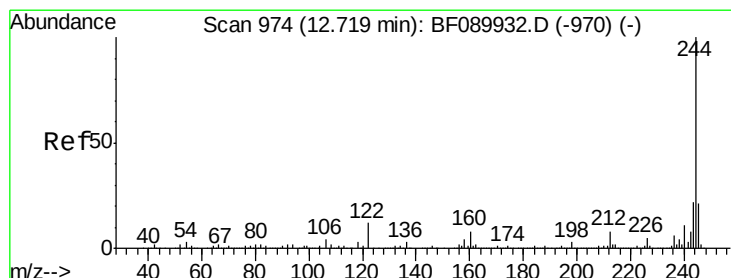
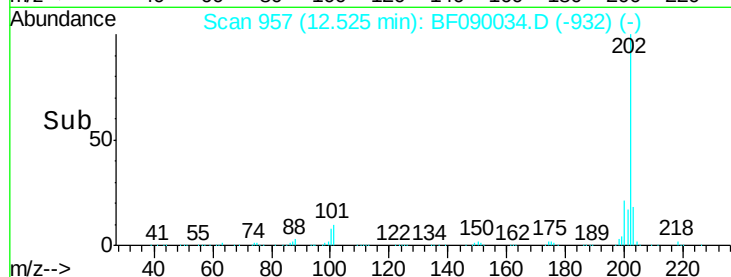
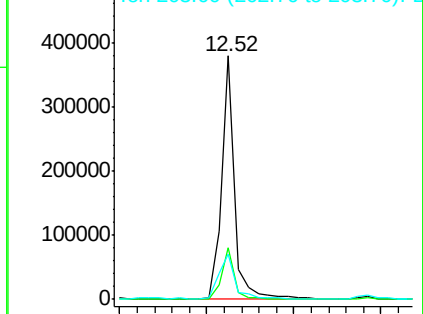
Tgt Ion:	202	Resp:	394629
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	18.6	14.6	21.8

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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: 54.28 ng

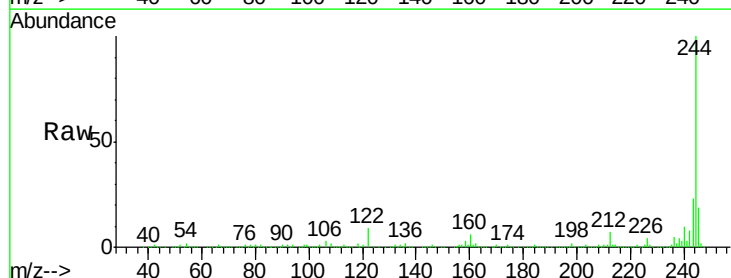
RT: 12.68 min Scan# 971

Delta R.T. 0.00 min

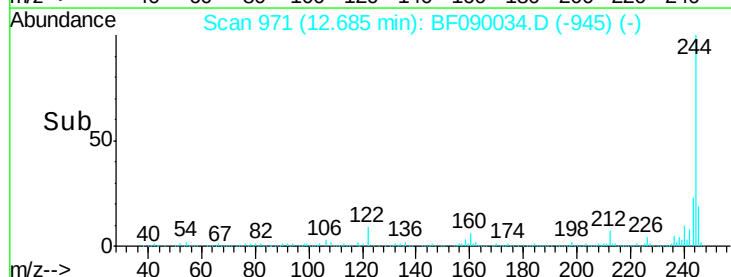
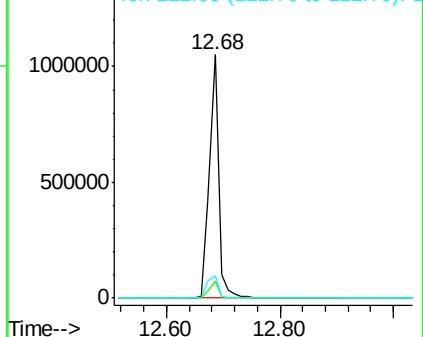
Lab File: BF090034.D

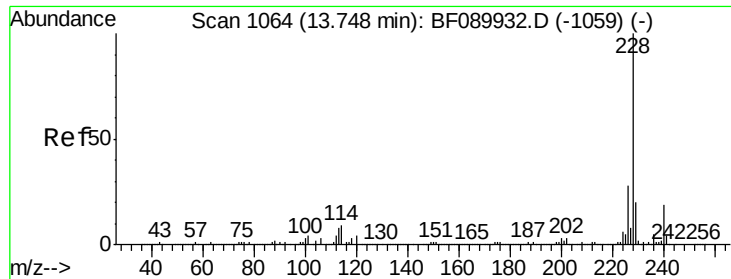
Acq: 8 Sep 2016 19:49

Tgt Ion:	244	Resp:	1138464
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.1	9.1
122	9.0	9.6	14.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





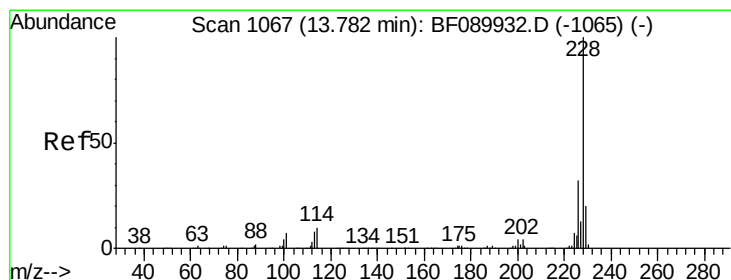
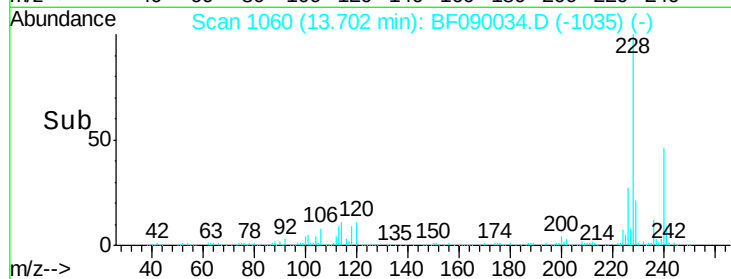
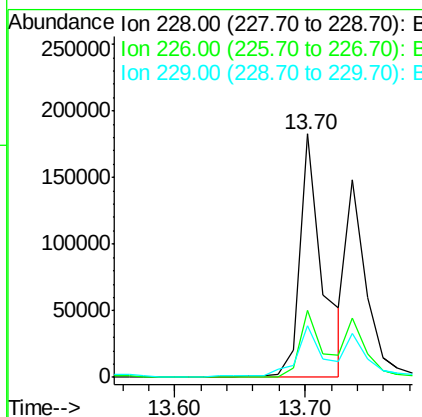
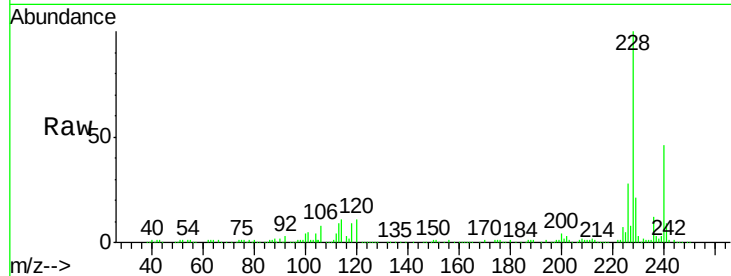
#80
Benzo(a)anthracene
Concen: 6.97 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	221258		
226	27.6	22.2	33.2	
229	21.3	15.8	23.6	

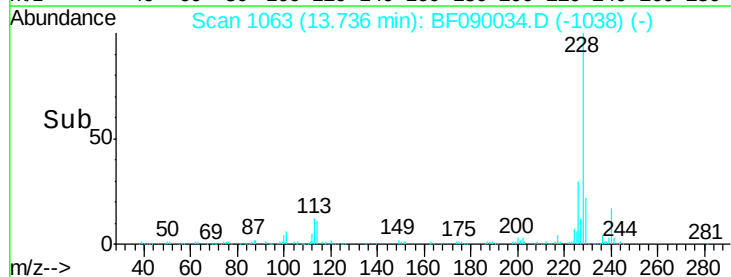
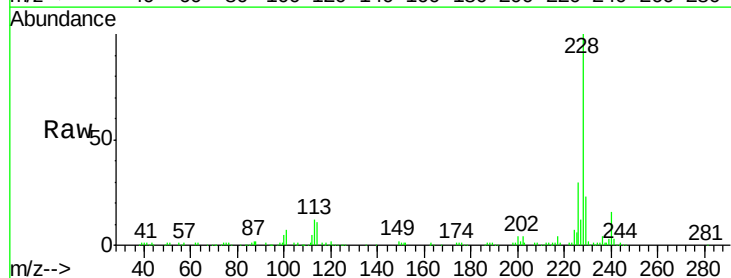
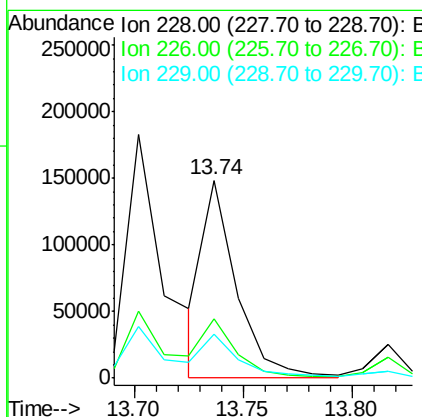
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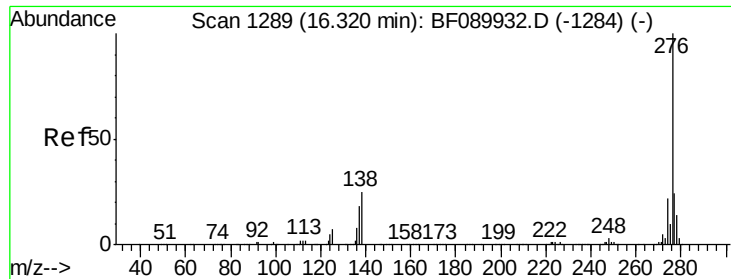
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#82
Chrysene
Concen: 5.44 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	161289		
226	30.2	25.2	37.8	
229	22.5	16.2	24.2	





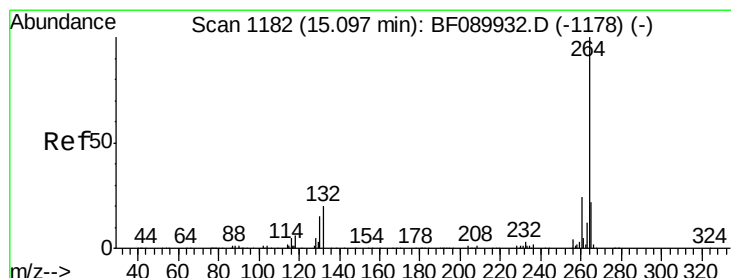
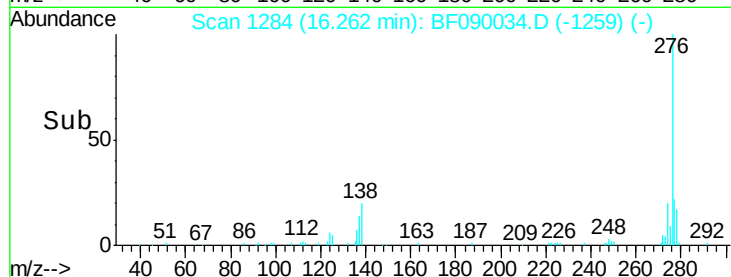
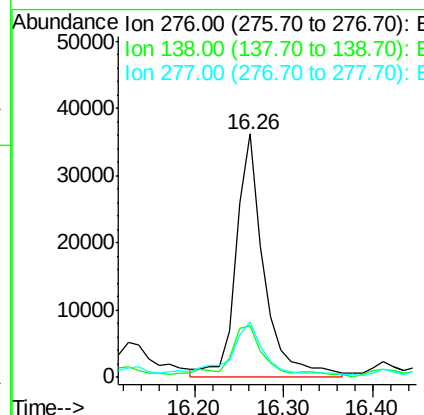
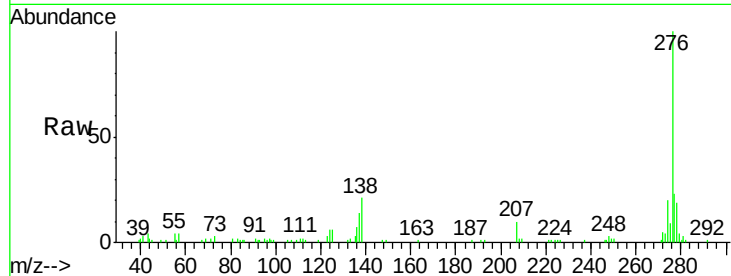
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.58 ng m
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.7	22.6	34.0#
277	5.3	20.1	30.1#

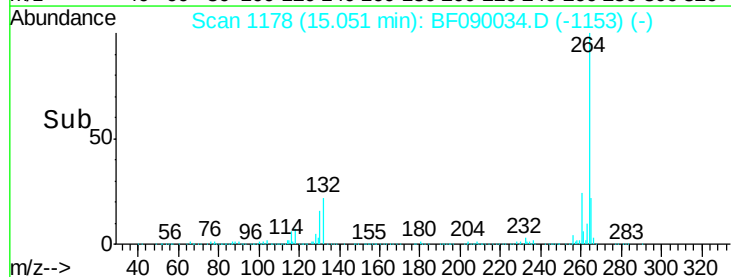
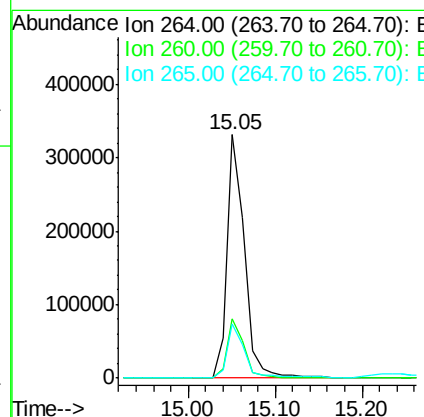
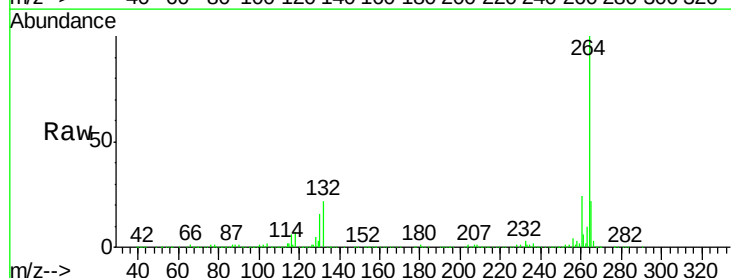
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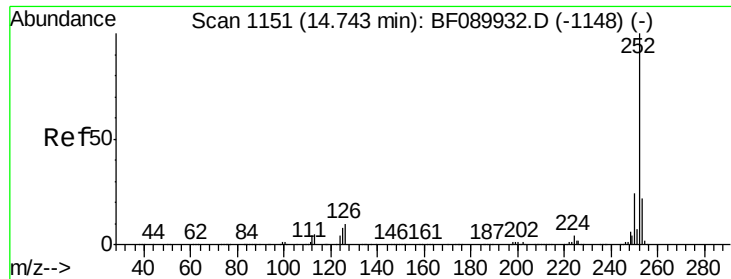
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.3	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 6.58 ng m

RT: 14.70 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

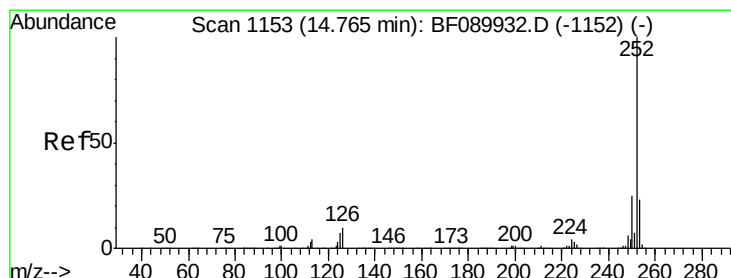
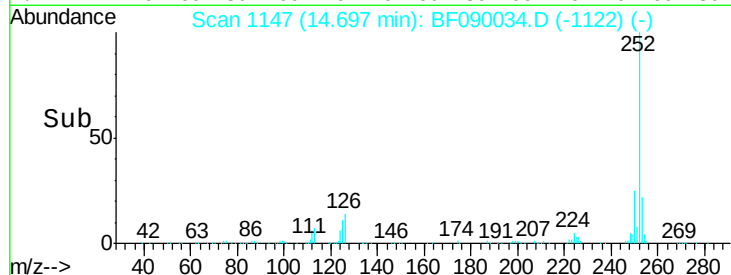
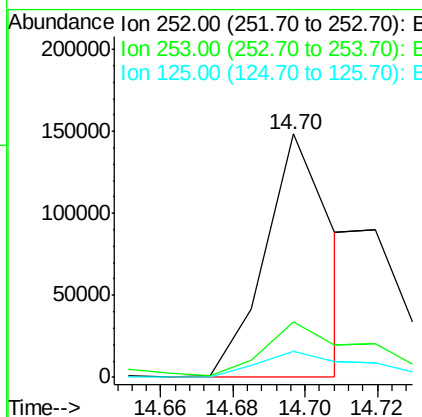
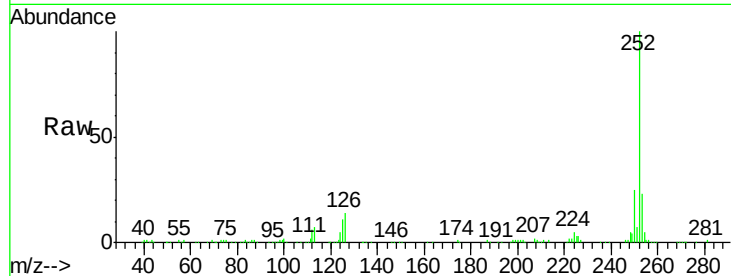
ClientSampleId :

SB-5-8.0-9.0

Tgt Ion:	252	Resp:	191945
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	10.6	5.7	8.5#

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#88

Benzo(k)fluoranthene

Concen: 3.74 ng m

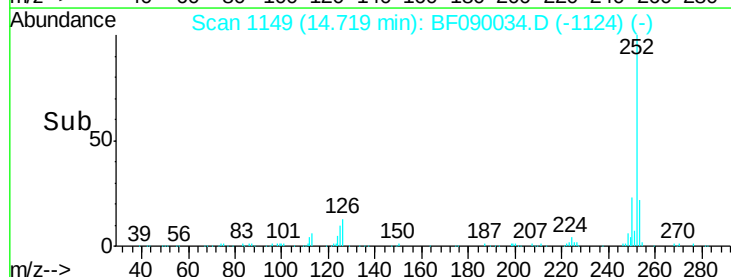
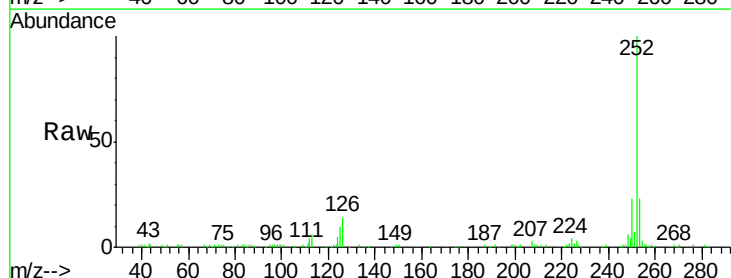
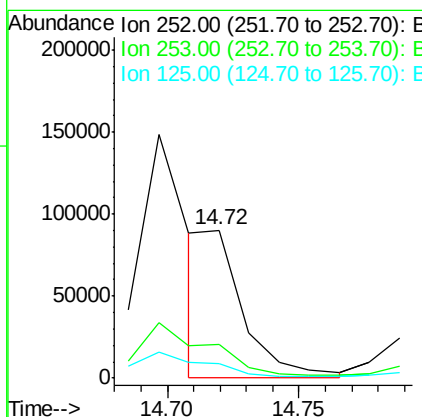
RT: 14.72 min Scan# 1149

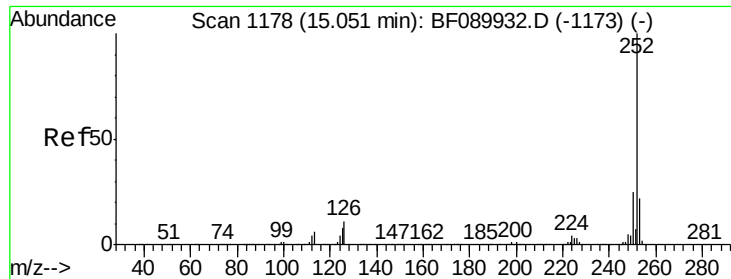
Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion:	252	Resp:	92628
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	9.9	7.3	10.9





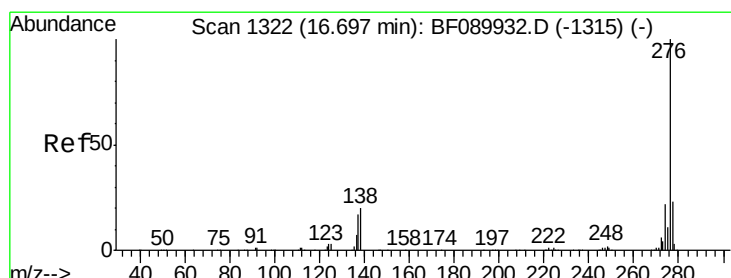
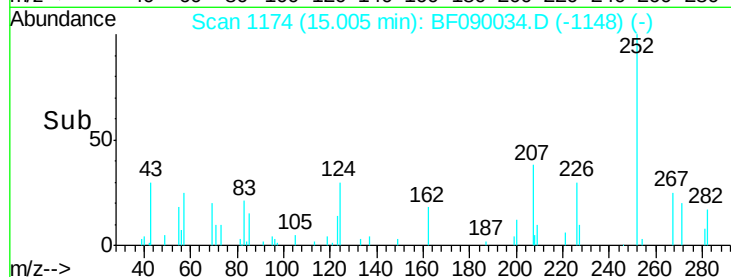
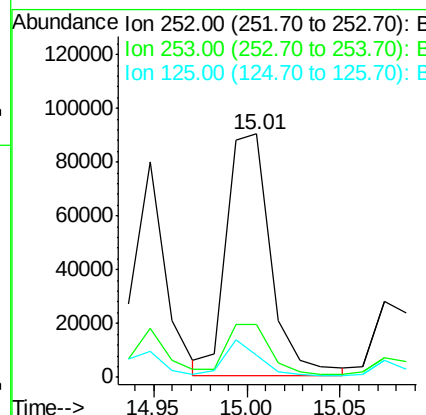
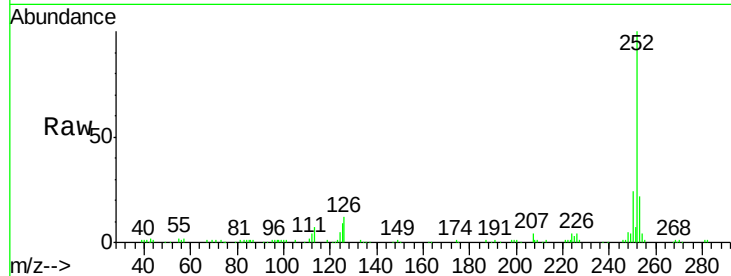
#89
Benzo(a)pyrene
Concen: 5.97 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.9	6.3	9.5

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#91
Benzo(g,h,i)perylene
Concen: 3.52 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	27.1	16.4	24.6

