

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090907.D
 Acq On : 28 Oct 2016 13:54
 Operator : UM/SJ
 Sample : H5411-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 01 14:44:45 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	198918	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	777839	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	374794	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	502947	20.00	ng	0.00
75) Chrysene-d12	13.93	240	448039	20.00	ng	0.00
86) Perylene-d12	15.33	264	465498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	171789	15.10	ng	-0.01
7) Phenol-d6	6.40	99	245395	15.99	ng	-0.02
23) Nitrobenzene-d5	7.32	82	146139	12.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	26497	6.88	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	206522	9.68	ng	-0.01
78) Terphenyl-d14	12.87	244	106032	5.96	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.53	163	66563	2.66	ng	Qvalue # 96
70) Phenanthrene	11.31	178	441513	17.24	ng	97
71) Anthracene	11.36	178	112396	4.17	ng	97
74) Fluoranthene	12.50	202	485870	17.32	ng	91
77) Pyrene	12.73	202	446059	15.73	ng	96
80) Benzo(a)anthracene	13.92	228	241590m	10.16	ng	
82) Chrysene	13.95	228	216255m	8.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.68	276	97433m	4.57	ng	
87) Benzo(b)fluoranthene	14.93	252	264645m	8.45	ng	
88) Benzo(k)fluoranthene	14.95	252	111437m	4.50	ng	
89) Benzo(a)pyrene	15.28	252	219041	8.14	ng	# 86
91) Benzo(g,h,i)perylene	17.08	276	92575	4.32	ng	# 82

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

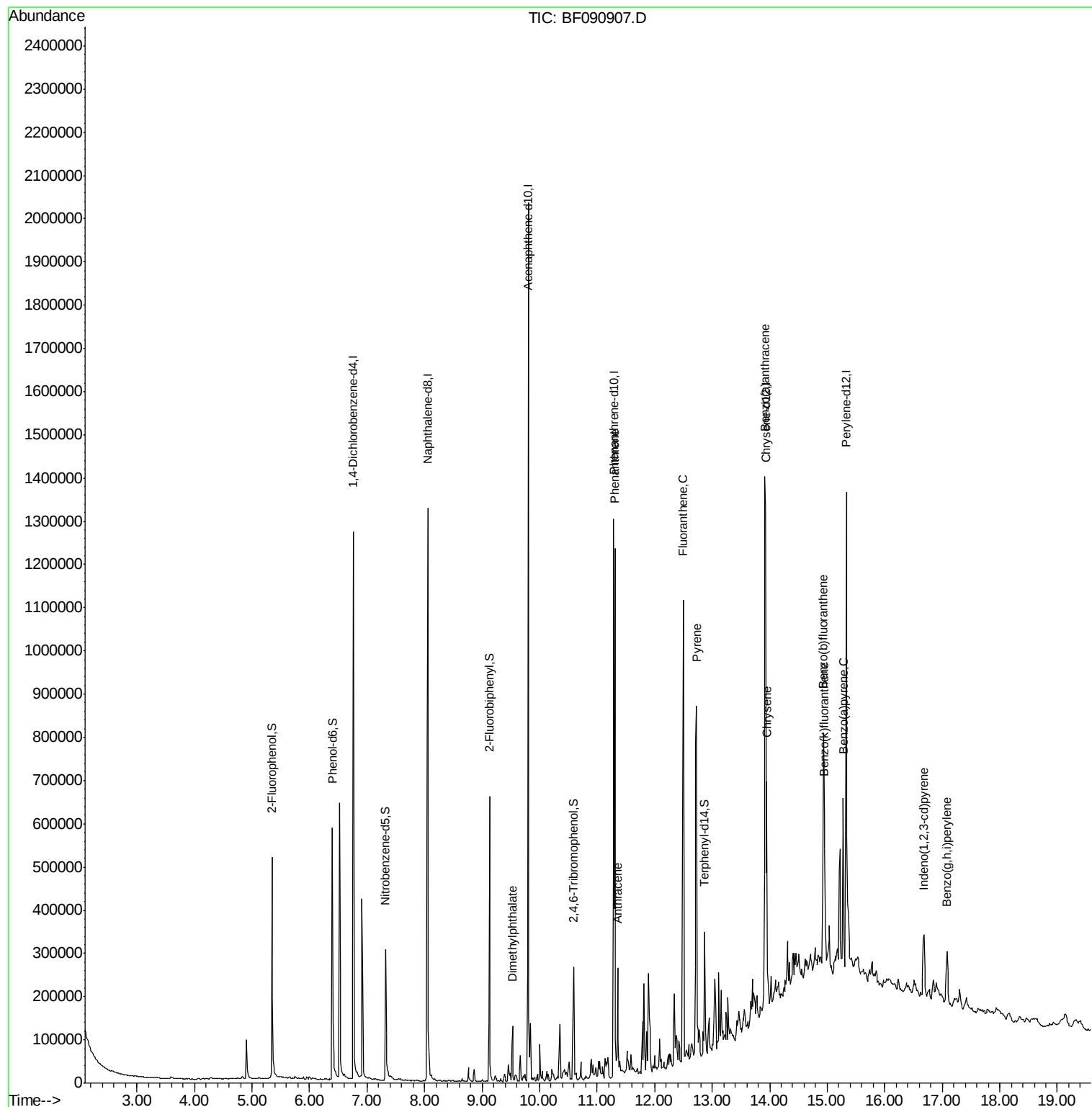
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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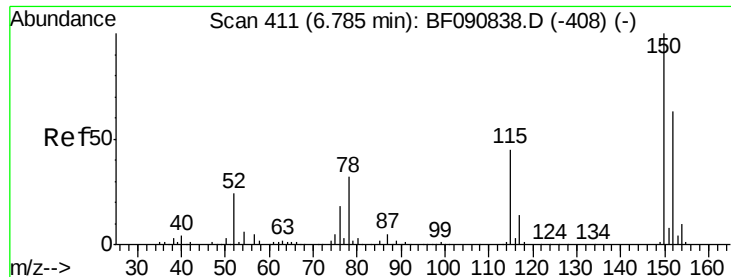
Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0

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Quant Time: Nov 01 14:44:45 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

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

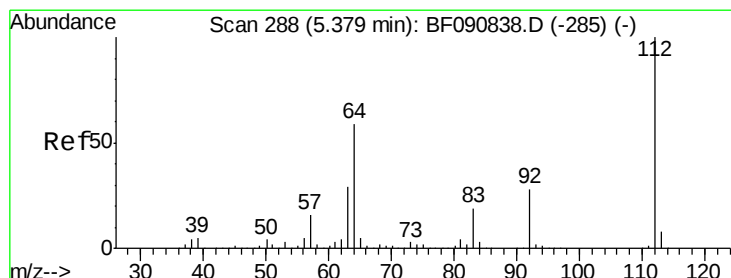
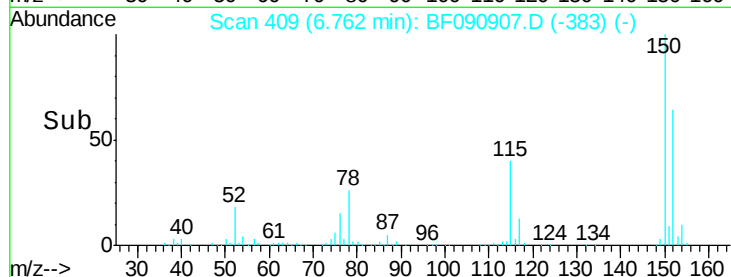
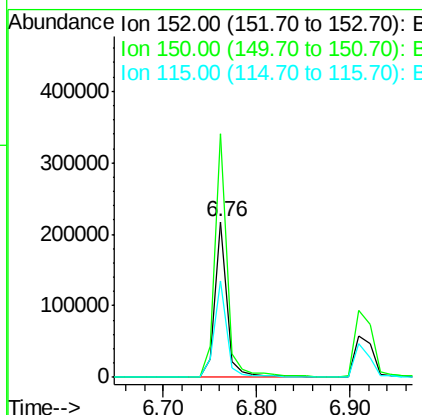
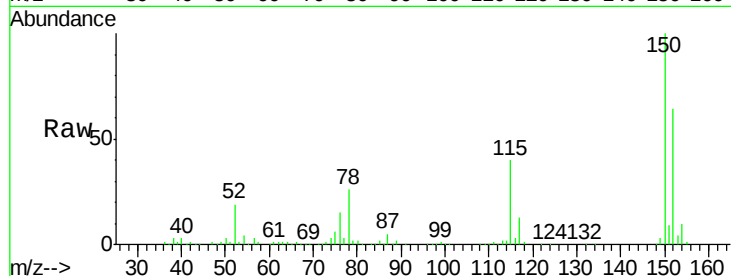
ClientSampleId :

SB-01-5.5-6.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.7	187.1
115	62.1	39.0	58.4#

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#5

2-Fluorophenol

Concen: 15.10 ng

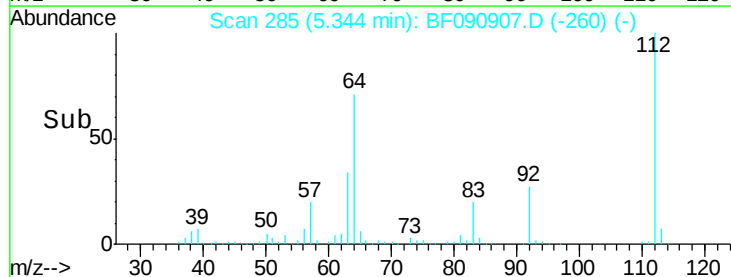
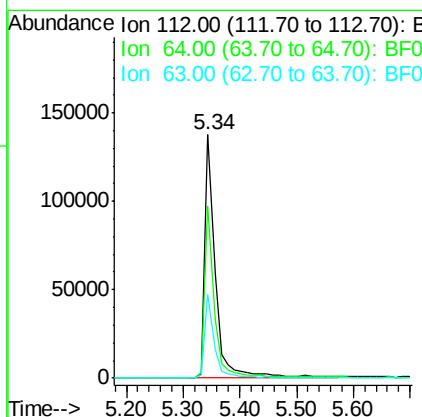
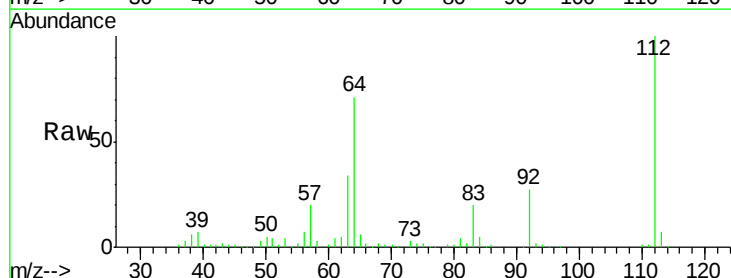
RT: 5.34 min Scan# 285

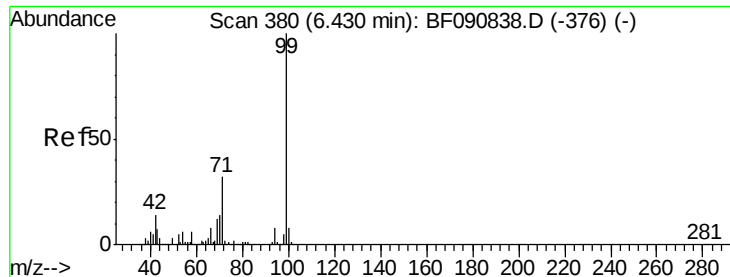
Delta R.T. -0.01 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	39.7	59.5#
63	34.2	17.4	26.0#





#7

Phenol-d6

Concen: 15.99 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0

Tgt Ion: 99 Resp: 245395

Ion Ratio Lower Upper

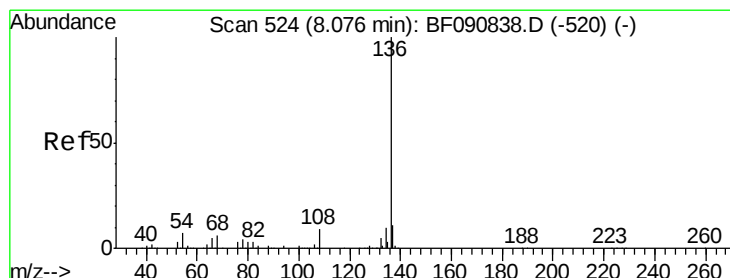
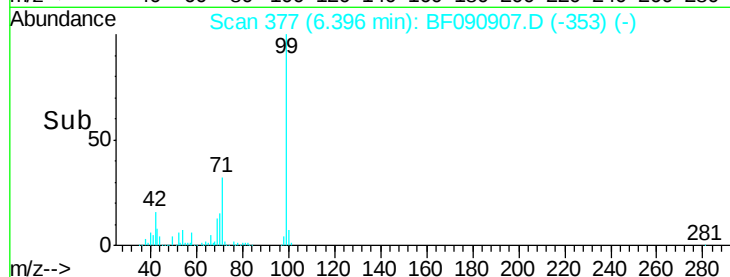
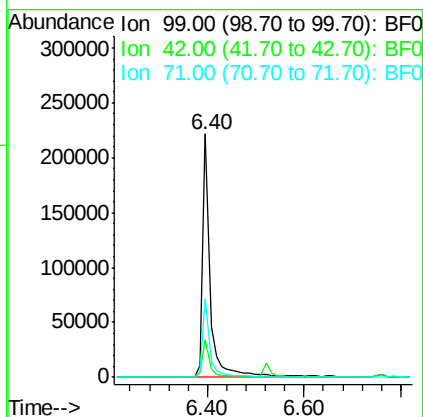
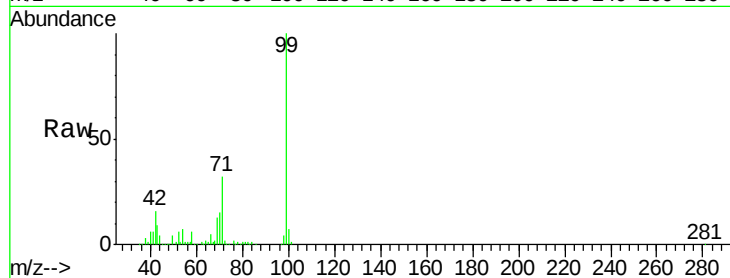
99 100

42 15.6 13.7 20.5

71 32.3 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: BF090907.D

Acq: 28 Oct 2016 13:54

Tgt Ion: 136 Resp: 777839

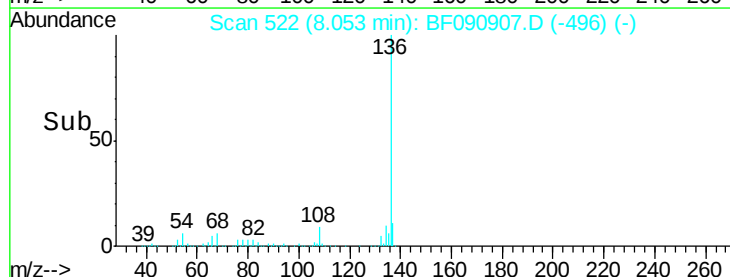
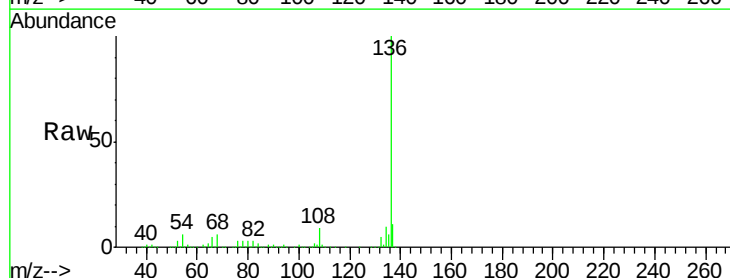
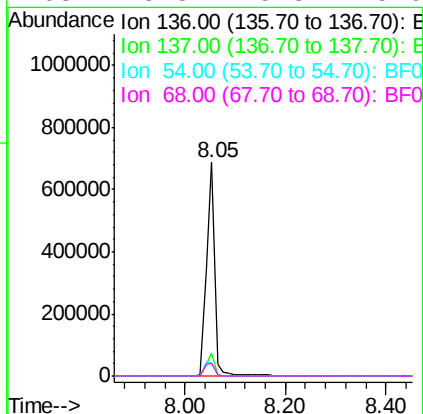
Ion Ratio Lower Upper

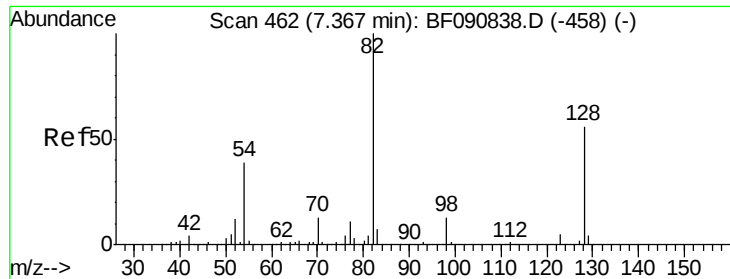
136 100

137 10.8 9.0 13.6

54 6.3 8.2 12.2#

68 5.8 5.8 8.6





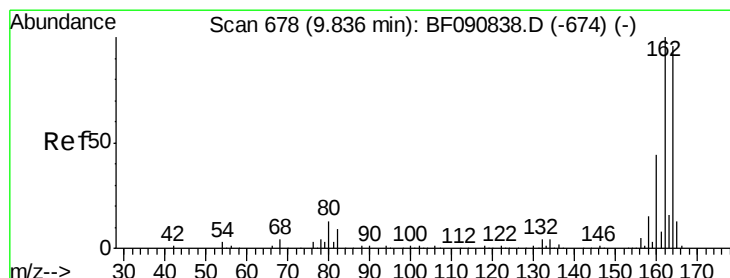
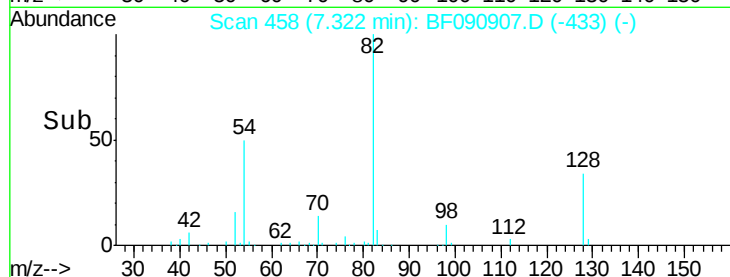
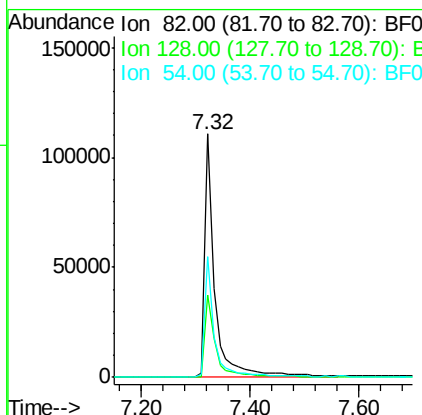
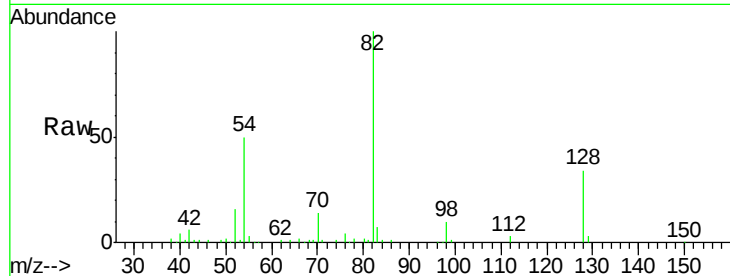
#23
 Nitrobenzene-d5
 Concen: 12.30 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Instrument :
 BNA_F
 ClientSampled :
 SB-01-5.5-6.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.9	51.0	76.6#
54	49.6	47.5	71.3

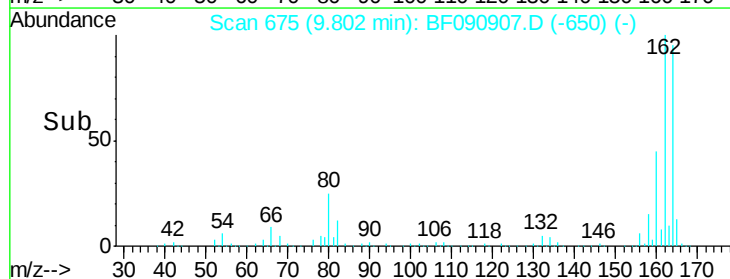
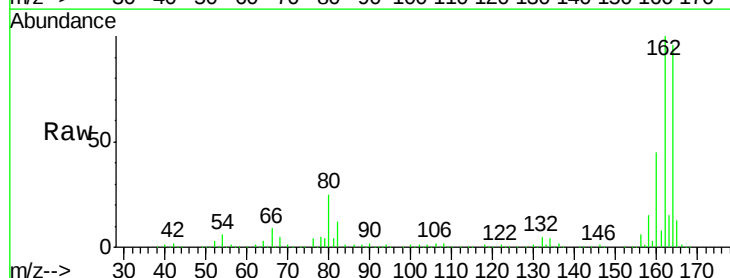
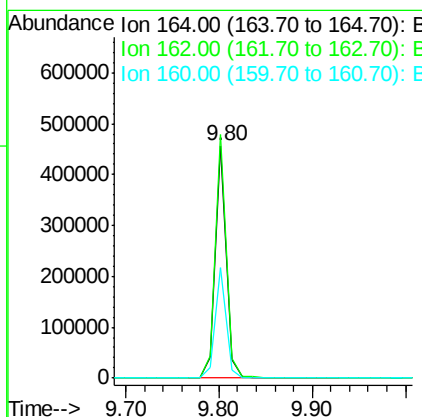
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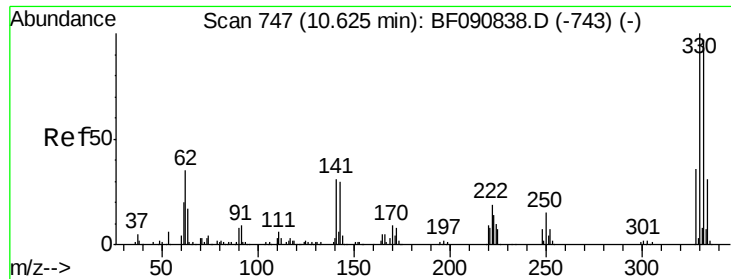
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	75.2	112.8
160	47.5	31.5	47.3#





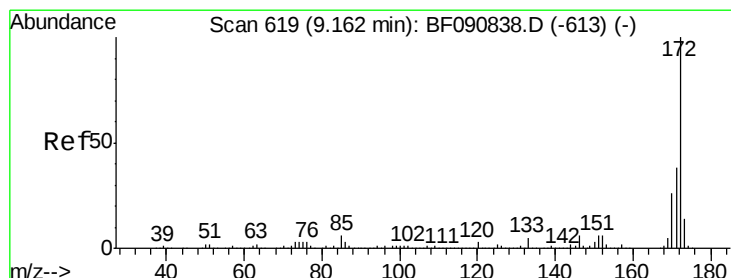
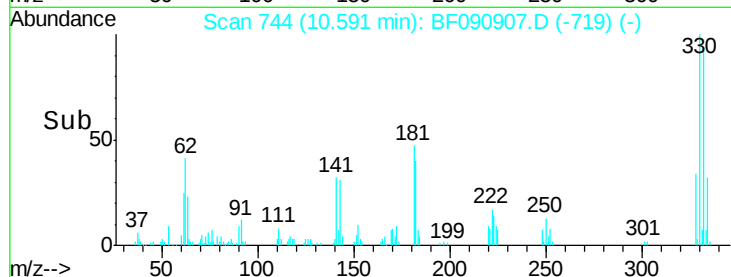
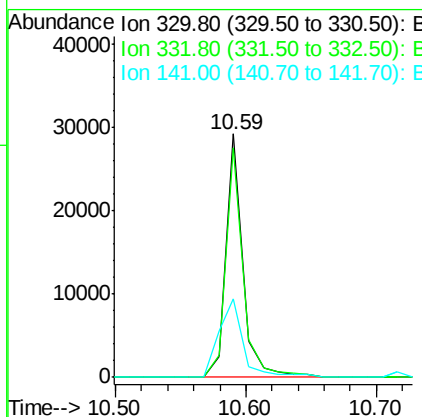
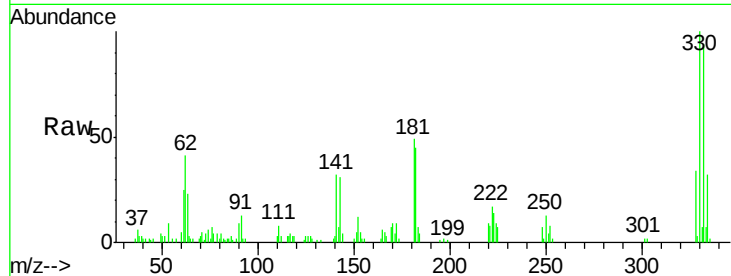
#41
 2,4,6-Tribromophenol
 Concen: 6.88 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	26497		
332	96.0	76.6	114.8	
141	46.8	29.7	44.5#	

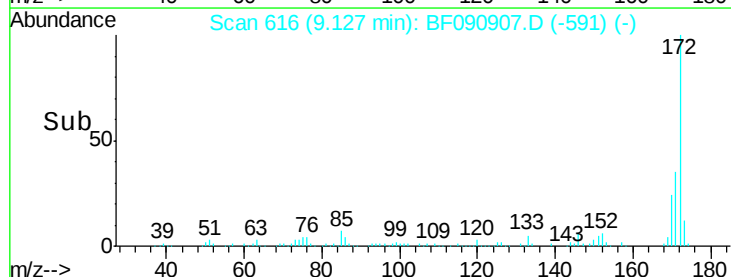
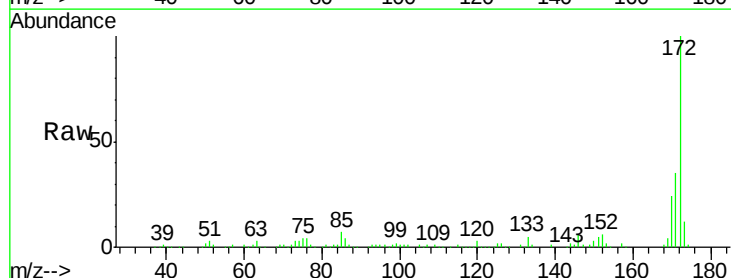
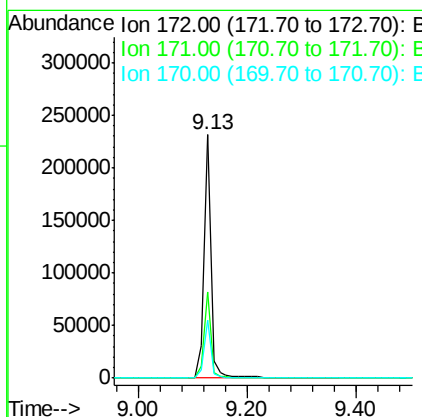
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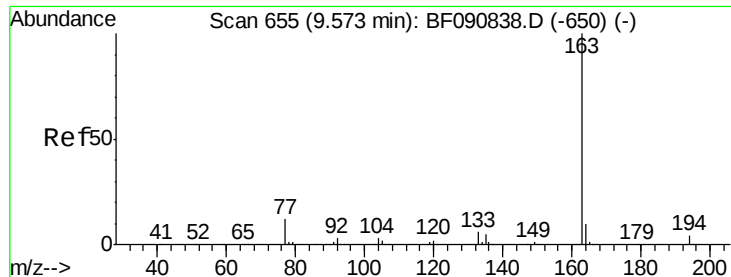
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#44
 2-Fluorobiphenyl
 Concen: 9.68 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	206522		
171	35.3	26.1	39.1	
170	23.6	17.4	26.2	





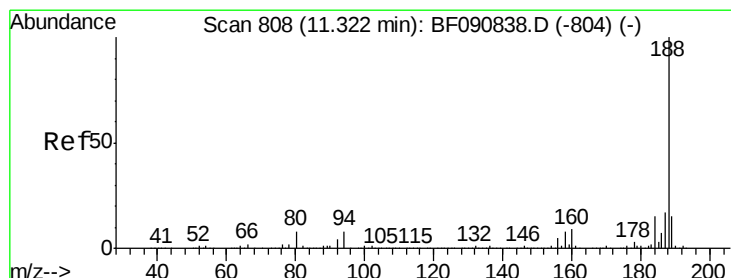
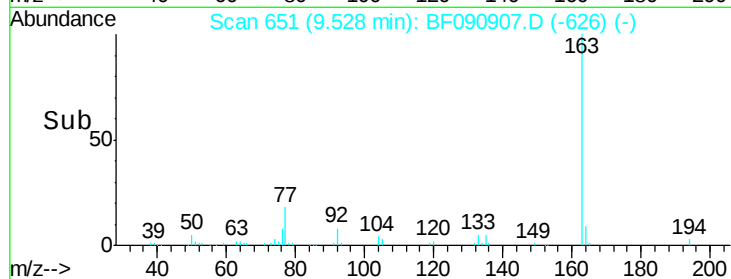
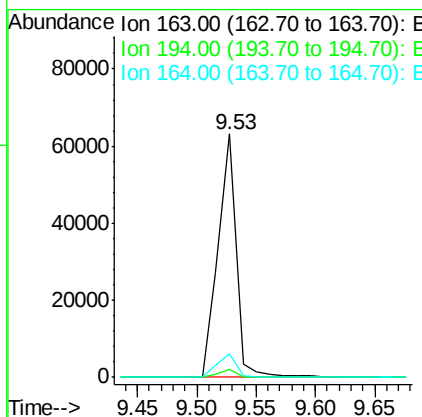
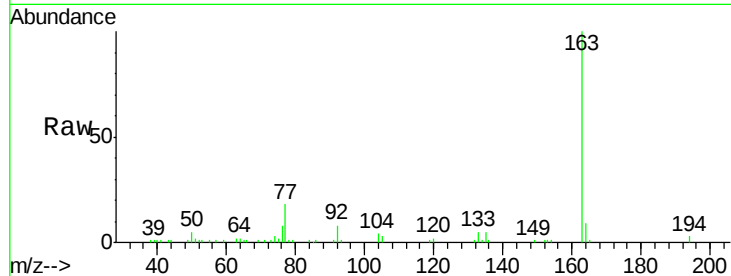
#49
Dimethylphthalate
Concen: 2.66 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	66563		
194	3.2	4.4	6.6#	
164	9.4	8.3	12.5	

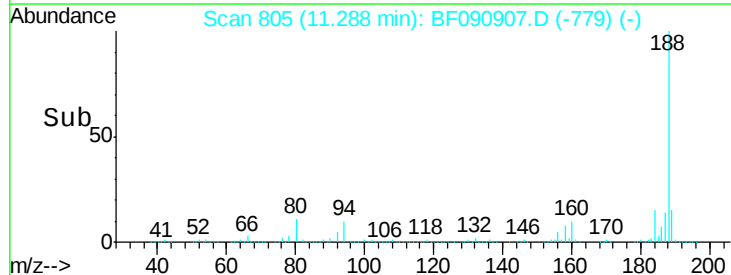
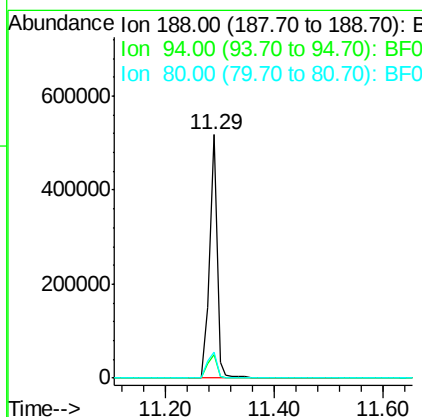
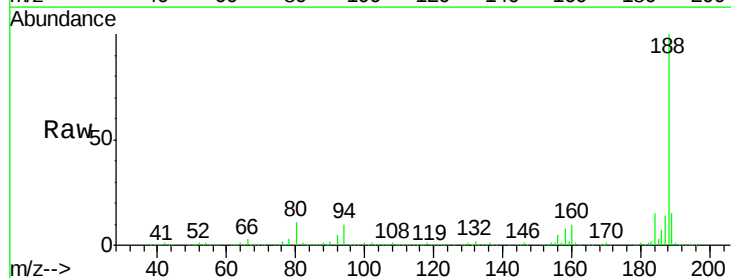
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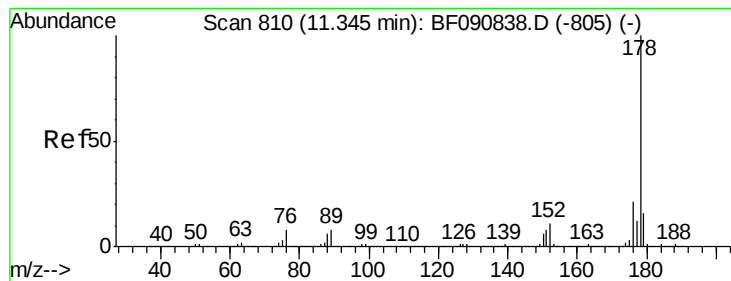
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	502947		
94	9.6	11.1	16.7#	
80	10.5	11.0	16.4#	





#70

Phenanthrene

Concen: 17.24 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

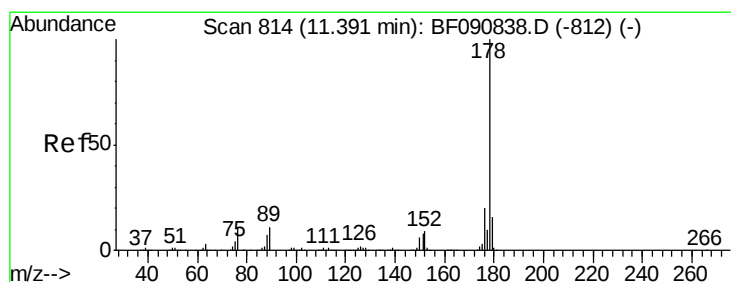
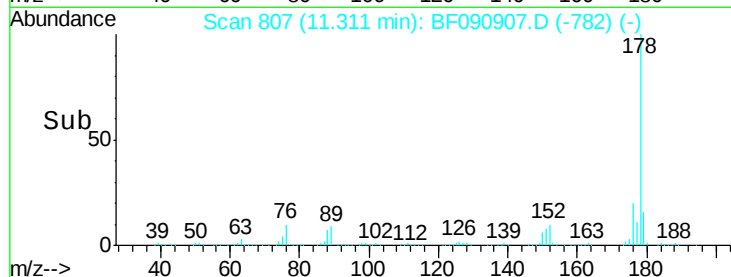
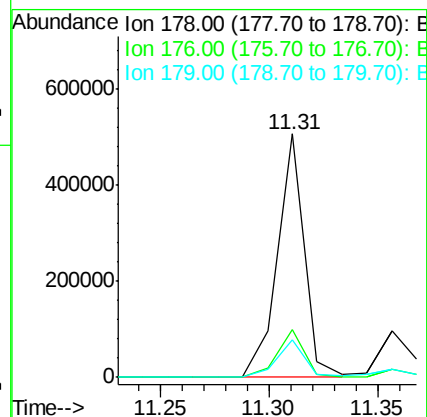
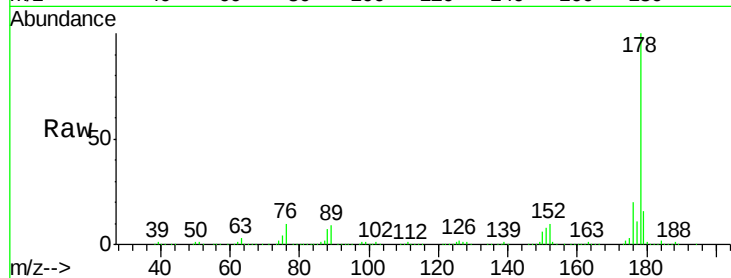
ClientSampled :

SB-01-5.5-6.0

Tgt Ion:	178	Resp:	441513
Ion Ratio	Lower	Upper	
178	100		
176	19.6	13.8	20.8
179	15.5	12.2	18.2

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#71

Anthracene

Concen: 4.17 ng

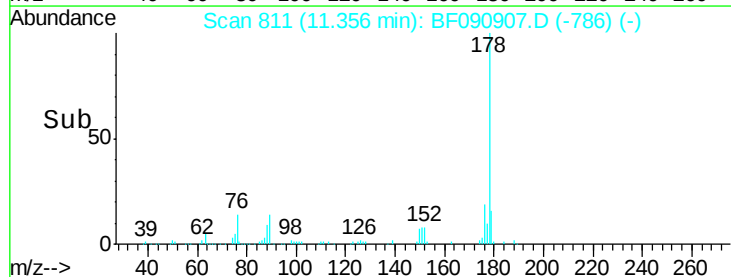
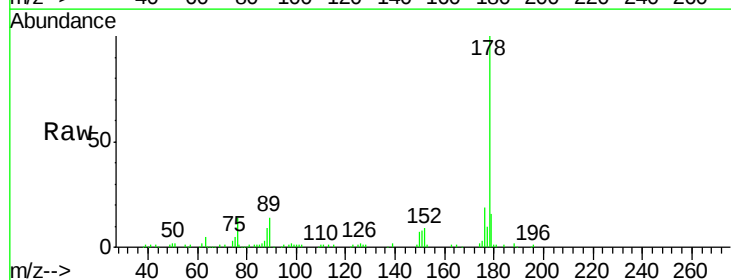
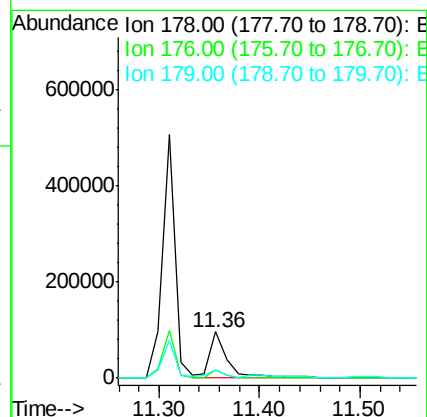
RT: 11.36 min Scan# 811

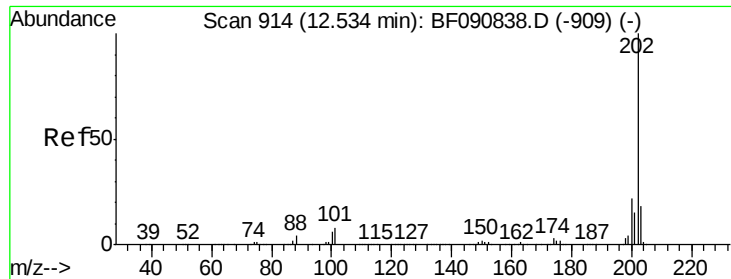
Delta R.T. -0.01 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Tgt Ion:	178	Resp:	112396
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.1	21.1
179	16.4	12.2	18.2





#74

Fluoranthene

Concen: 17.32 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

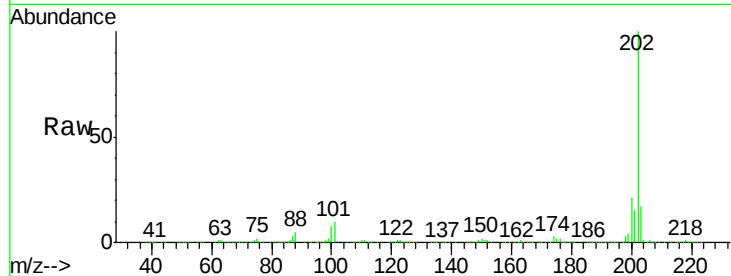
ClientSampleId :

SB-01-5.5-6.0

Tgt Ion:	202	Resp:	485870
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	38.3
203	17.2	0.0	37.3

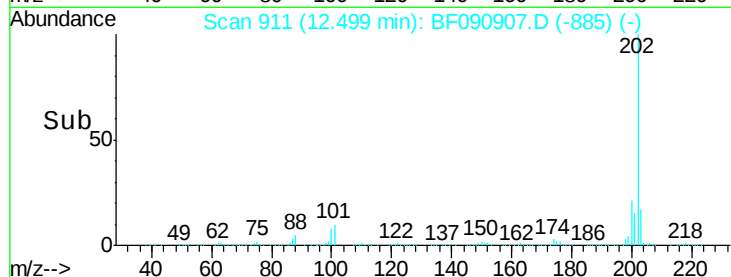
Manual Integrations
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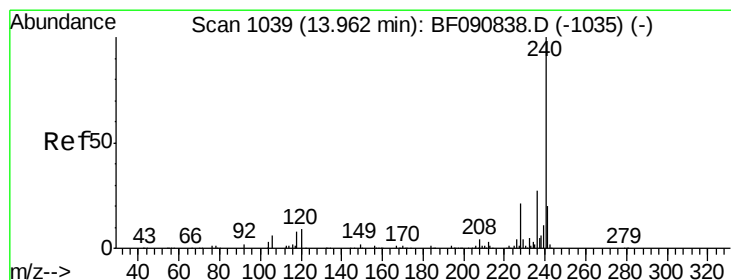


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

12.50



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

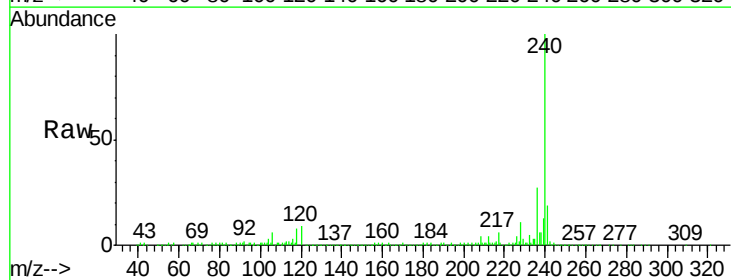
RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF090907.D

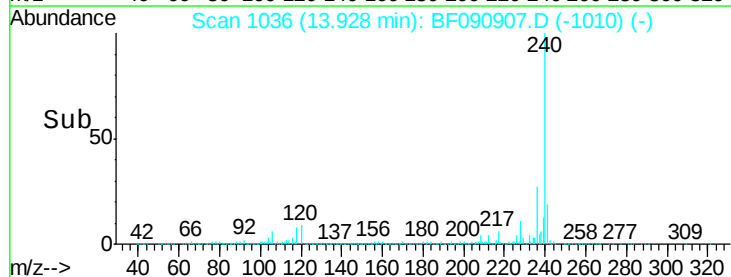
Acq: 28 Oct 2016 13:54

Tgt Ion:	240	Resp:	448039
Ion Ratio	Lower	Upper	
240	100		
120	8.9	16.2	24.2#
236	26.9	18.4	27.6

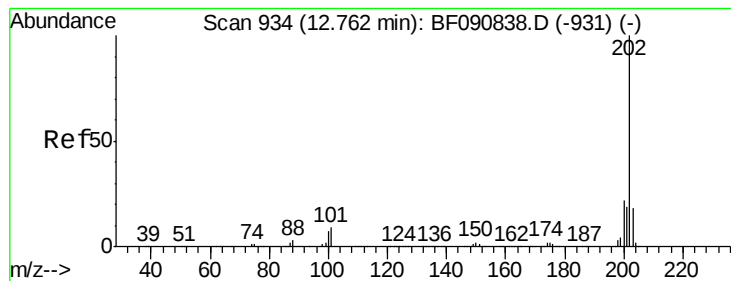


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.93



Time-->



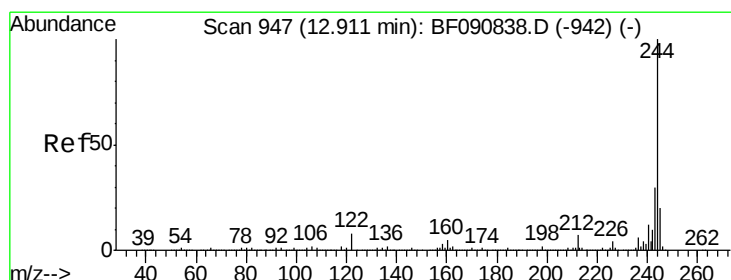
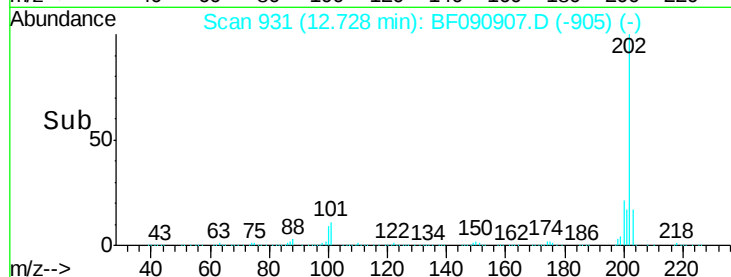
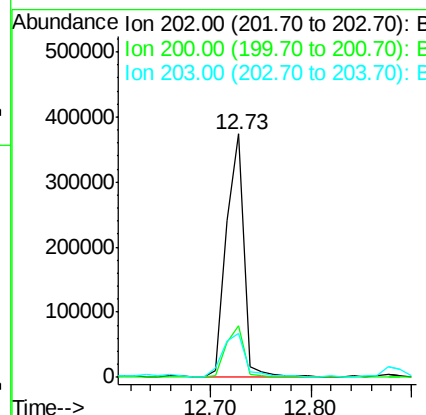
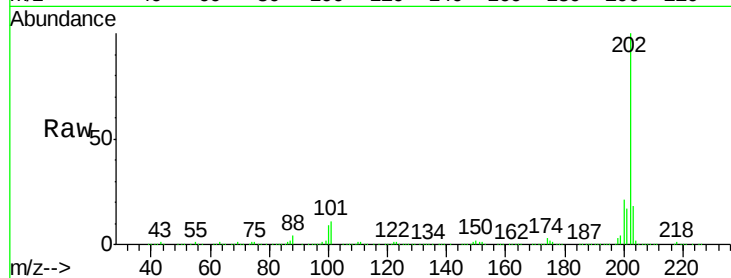
#77
Pyrene
 Concen: 15.73 ng
 RT: 12.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	15.0	22.4
203	18.1	14.1	21.1

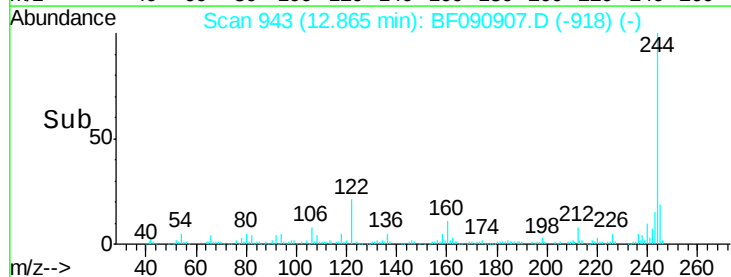
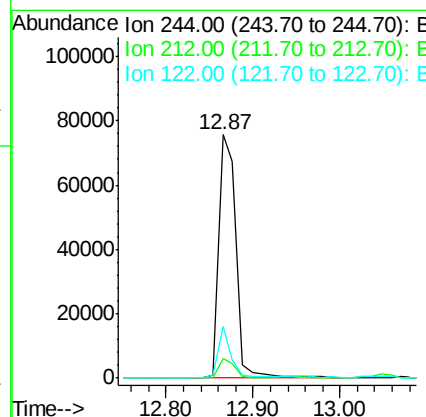
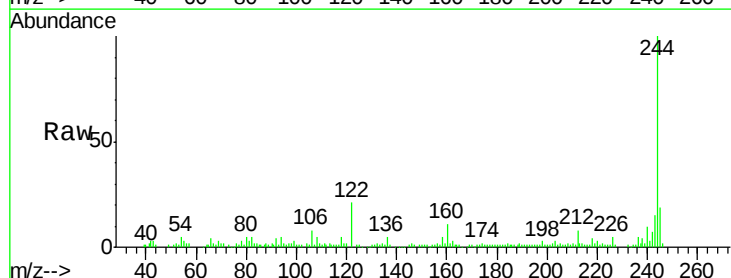
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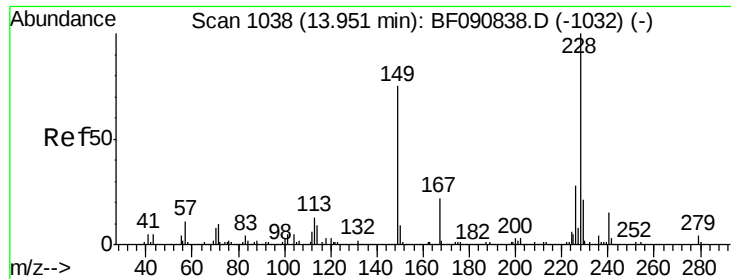
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#78
Terphenyl-d14
 Concen: 5.96 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.3	6.5#
122	21.0	17.4	26.2





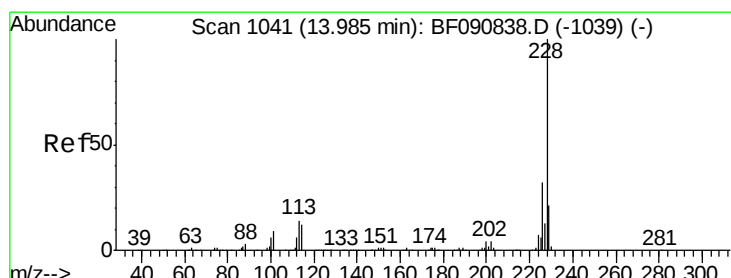
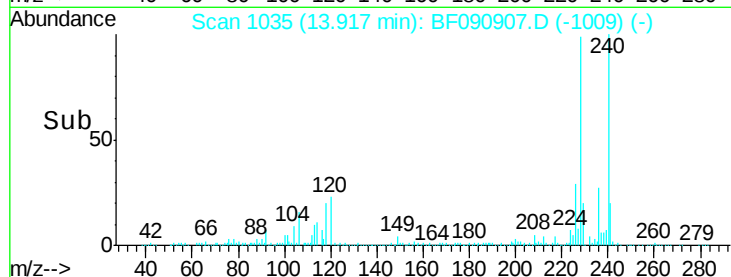
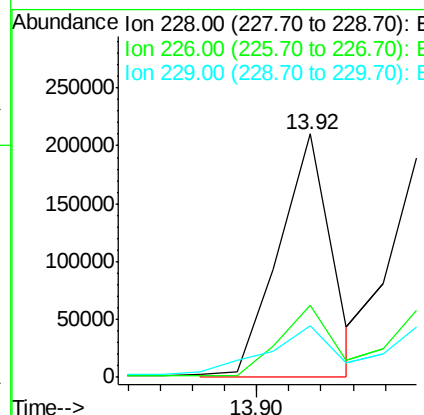
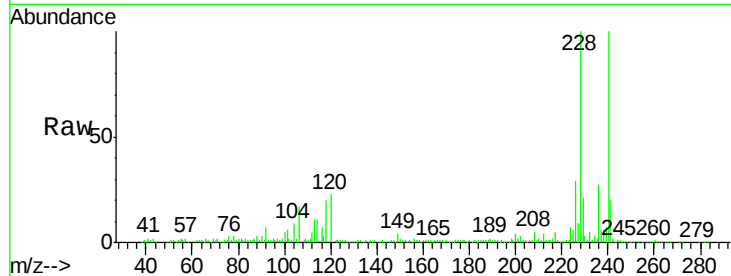
#80
Benzo(a)anthracene
Concen: 10.16 ng m
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	20.0	30.0
229	21.5	15.4	23.2

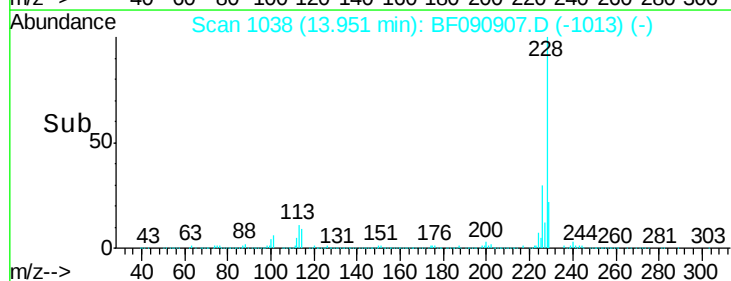
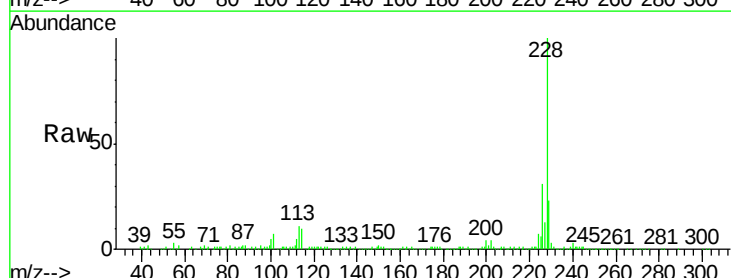
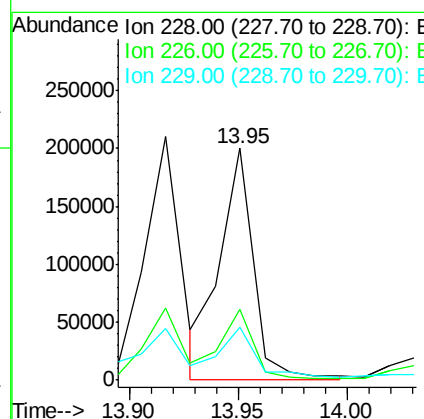
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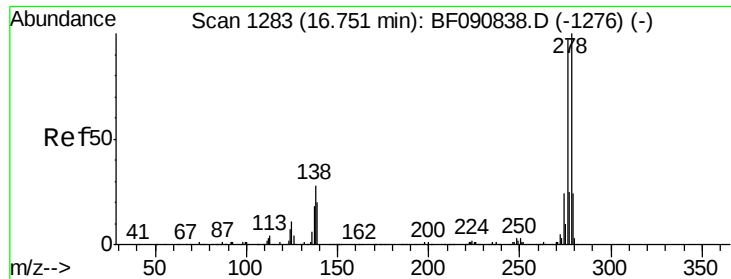
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#82
Chrysene
Concen: 8.99 ng m
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.0	31.4
229	22.8	15.6	23.4





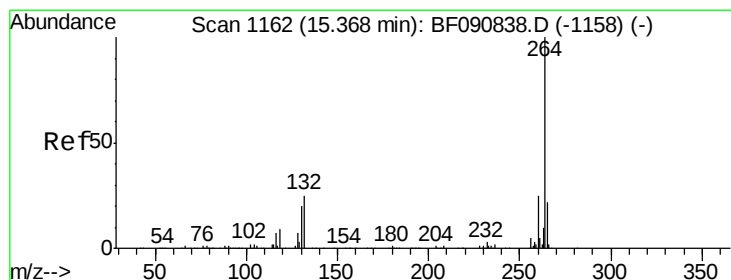
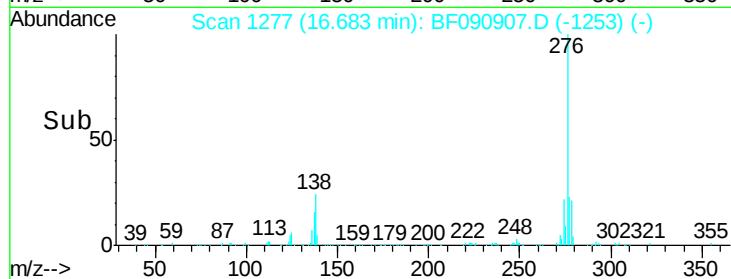
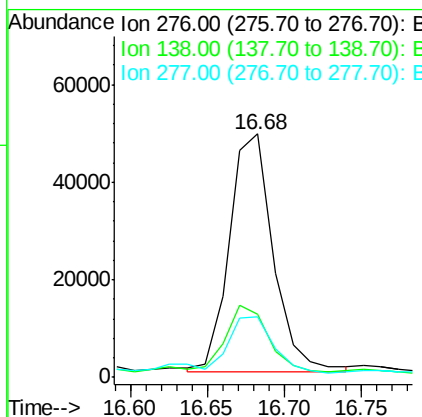
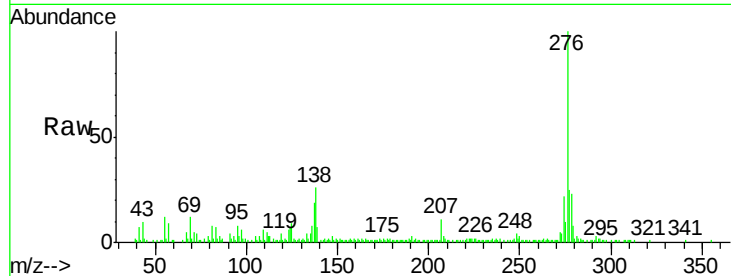
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.57 ng m
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.6	25.7	38.5#
277	4.7	15.6	23.4#

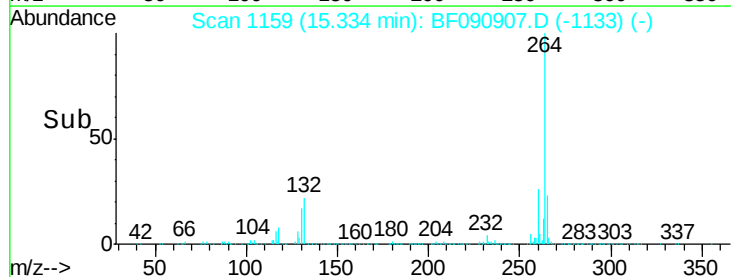
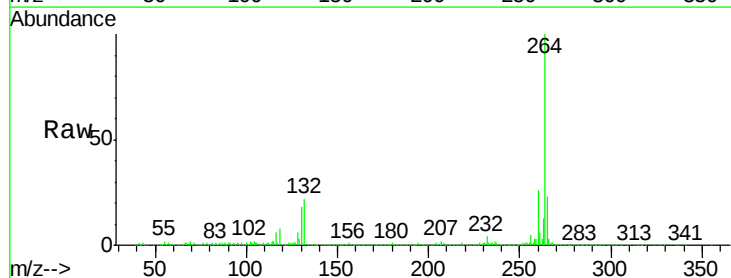
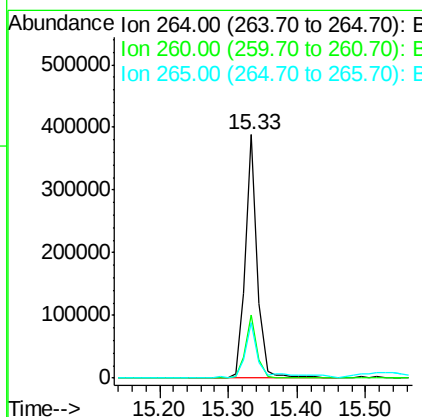
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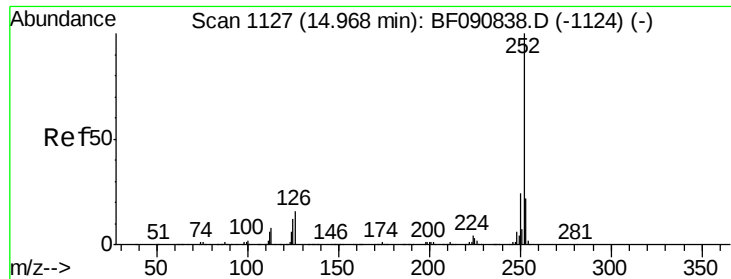
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	16.7	25.1#
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.45 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

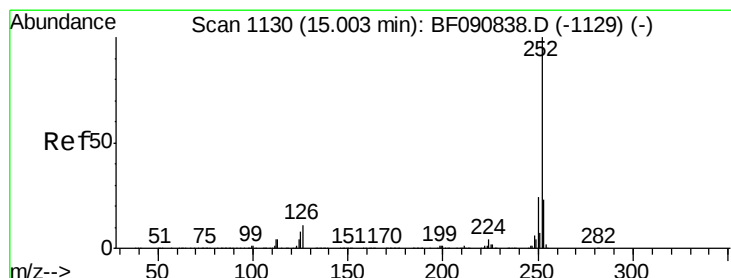
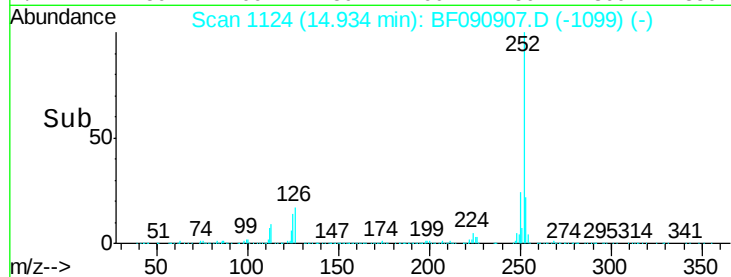
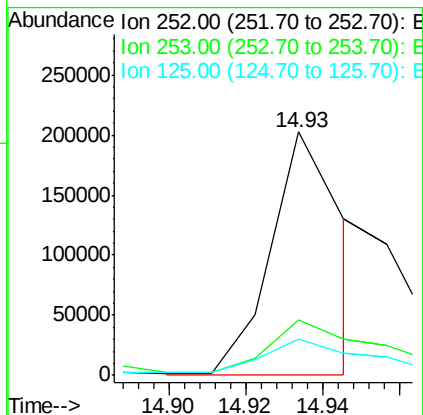
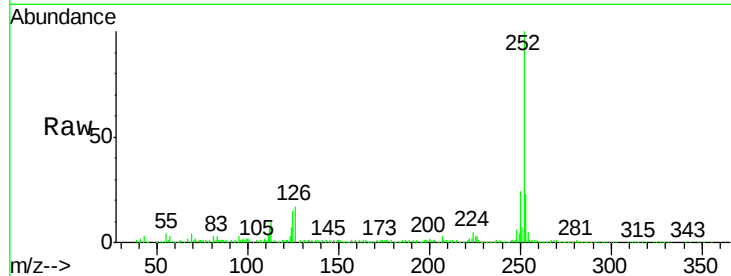
ClientSampled :

SB-01-5.5-6.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.8	17.1	25.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.50 ng m

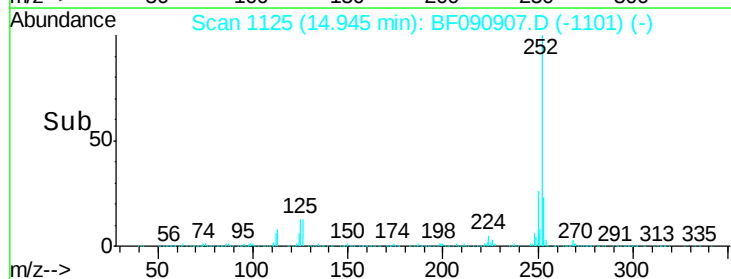
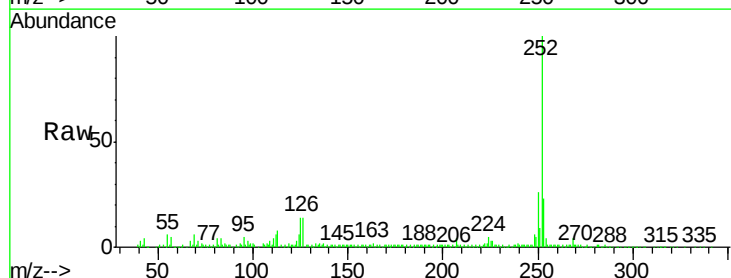
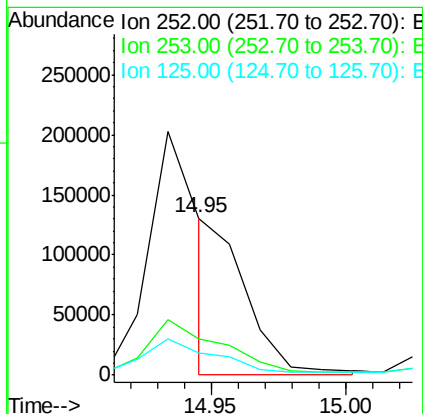
RT: 14.95 min Scan# 1125

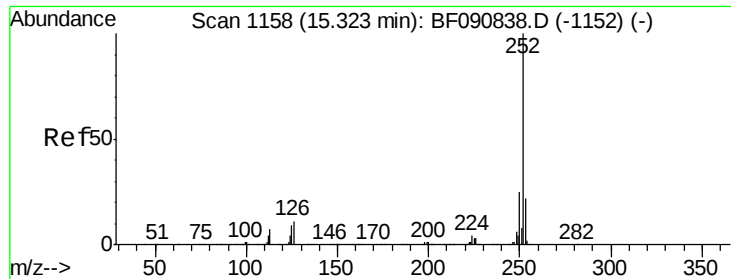
Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.4
125	14.5	16.0	24.0#





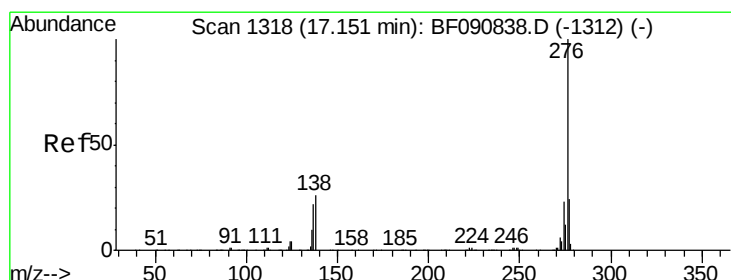
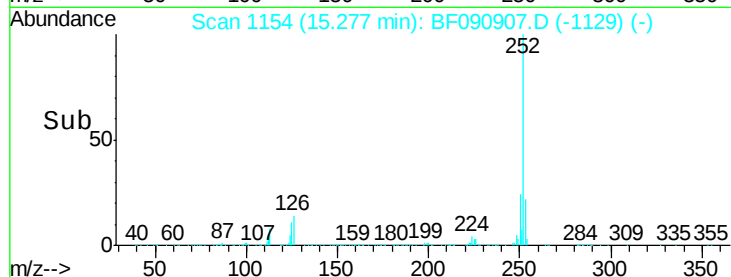
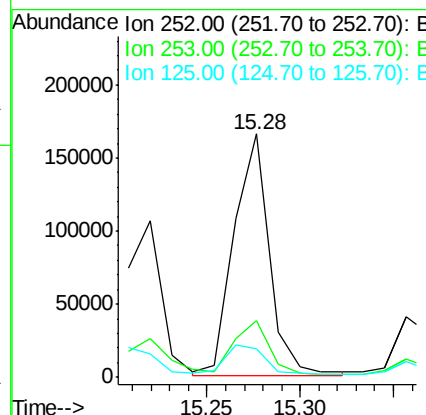
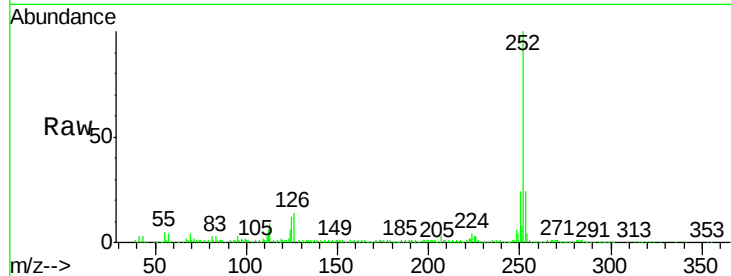
#89
Benzo(a)pyrene
Concen: 8.14 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

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

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.2	25.8
125	11.7	18.0	27.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.32 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.6	17.8	26.6
138	27.5	34.6	51.8#

