

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088012.D
 Acq On : 14 Jun 2016 21:56
 Operator : UM/SJ
 Sample : H3474-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

Manual Integrations
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Quant Time: Jun 15 04:52:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	104234	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	423246	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	178725	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	282423	20.00	ng	0.00
75) Chrysene-d12	13.94	240	253805	20.00	ng	0.00
86) Perylene-d12	15.35	264	206505	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	337156	55.30	ng	0.00
7) Phenol-d6	6.42	99	413044	55.90	ng	0.00
23) Nitrobenzene-d5	7.35	82	254775	35.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	58553	31.03	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	450960	36.48	ng	0.00
78) Terphenyl-d14	12.89	244	336656	30.18	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	70203	5.42	ng	100
70) Phenanthrene	11.32	178	105222	7.10	ng	99
71) Anthracene	11.38	178	31449	2.10	ng	98
74) Fluoranthene	12.51	202	142259	9.10	ng	97
77) Pyrene	12.74	202	125404	6.66	ng	98
80) Benzo(a)anthracene	13.93	228	62982m	4.35	ng	
82) Chrysene	13.97	228	48983m	3.60	ng	
87) Benzo(b)fluoranthene	14.95	252	58355m	4.05	ng	
88) Benzo(k)fluoranthene	14.96	252	23920m	2.20	ng	
89) Benzo(a)pyrene	15.29	252	40549	3.48	ng	# 91

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

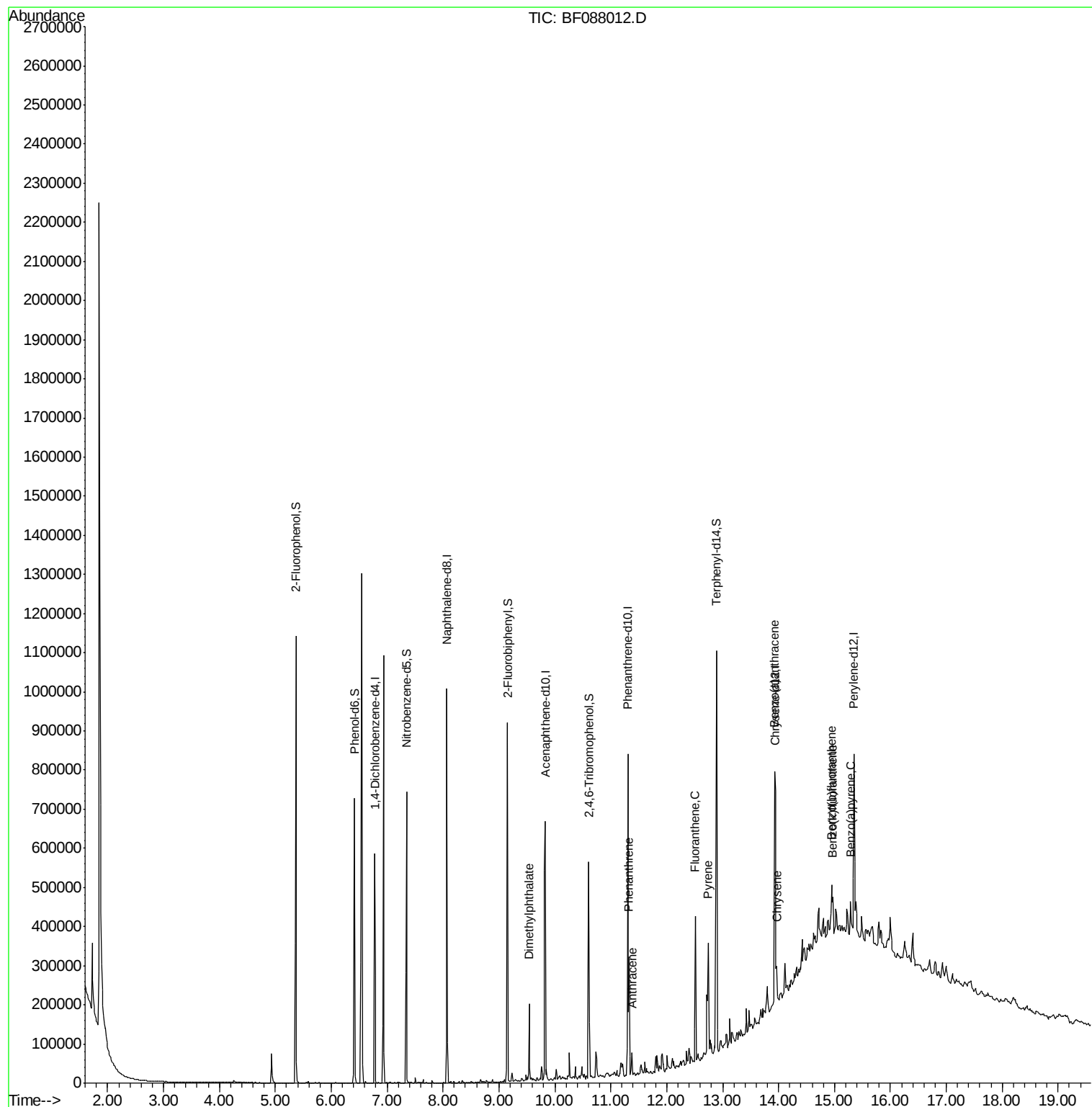
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
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#1

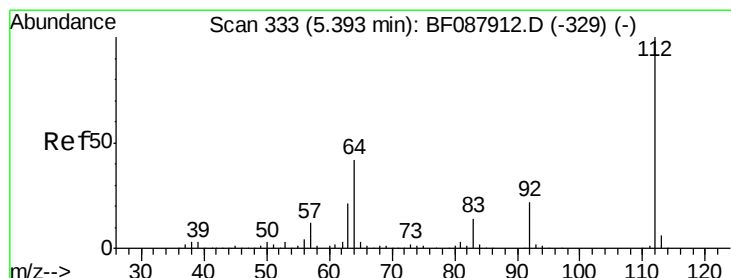
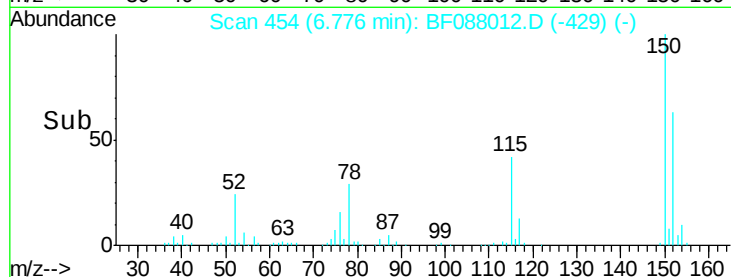
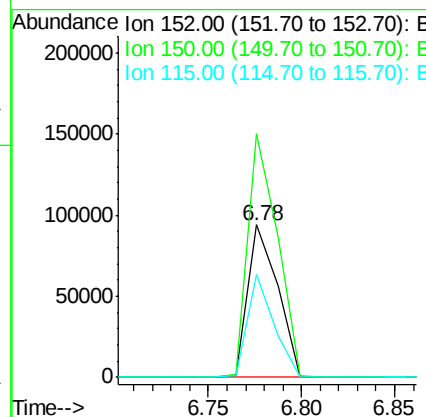
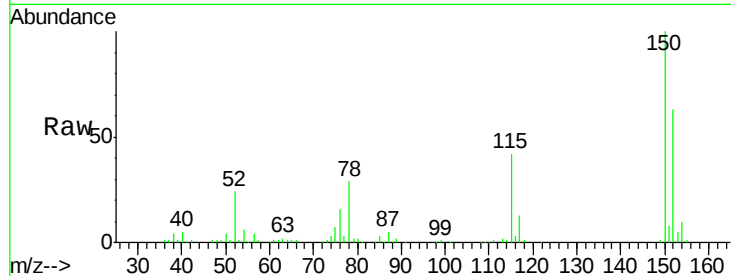
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	123.8	185.6
115	67.9	39.6	59.4

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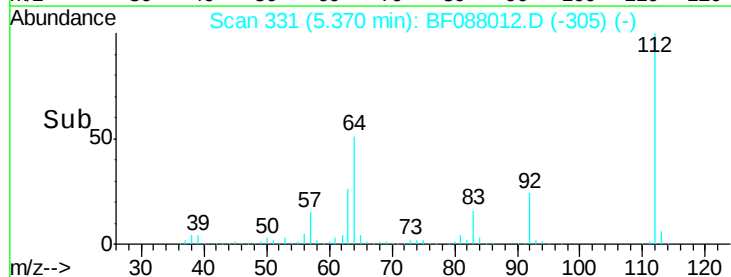
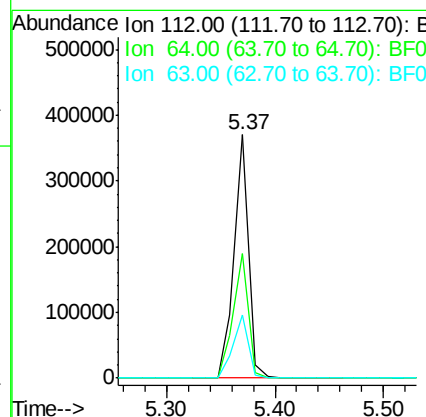
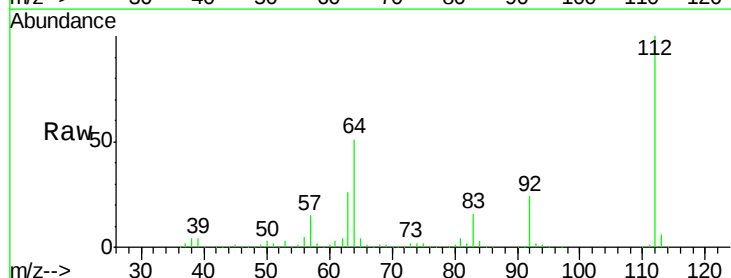
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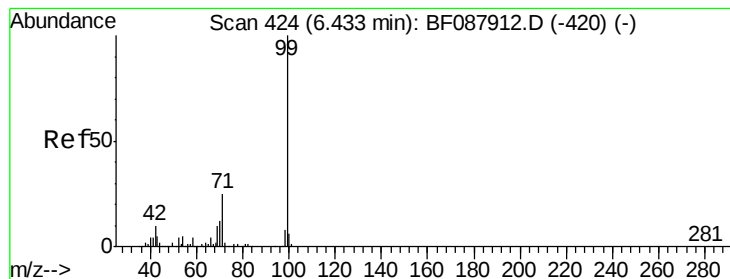


#5

2-Fluorophenol
Concen: 55.30 ng
RT: 5.37 min Scan# 331
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	42.2	63.2
63	25.7	21.8	32.8





#7

Phenol-d6

Concen: 55.90 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

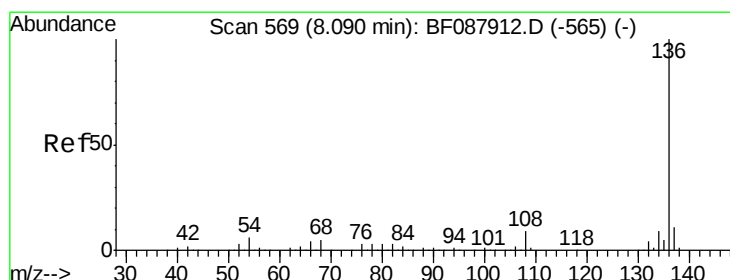
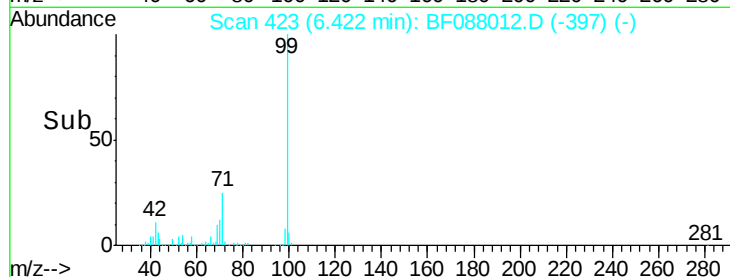
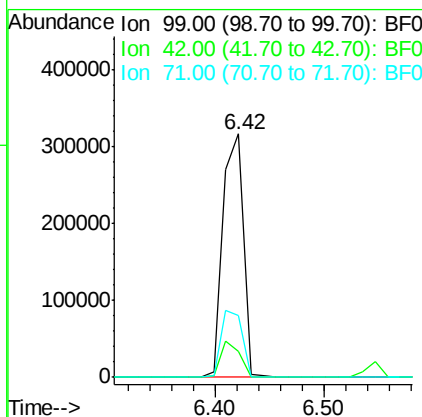
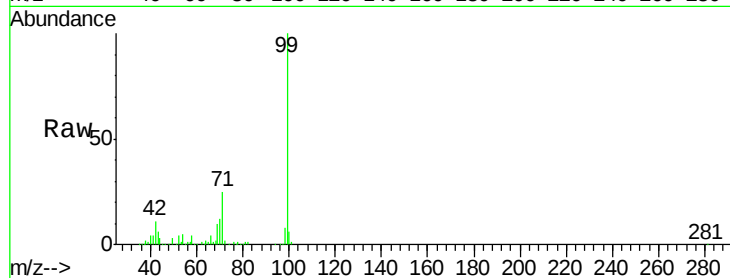
ClientSampleId :

S6-B3(0-7)C

Tot Ion:	99	Resp:	413044
Ion Ratio	Lower	Upper	
99	100		
42	10.7	12.2	18.2#
71	25.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

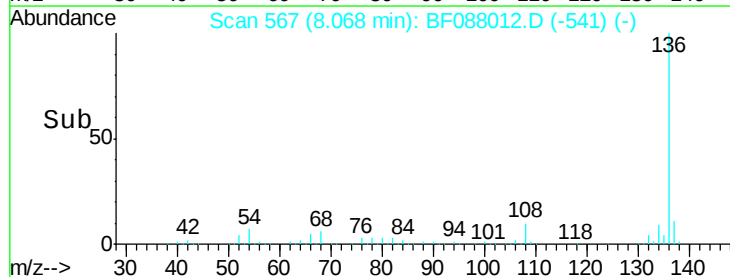
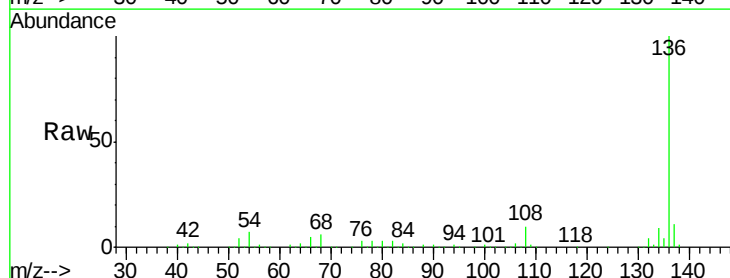
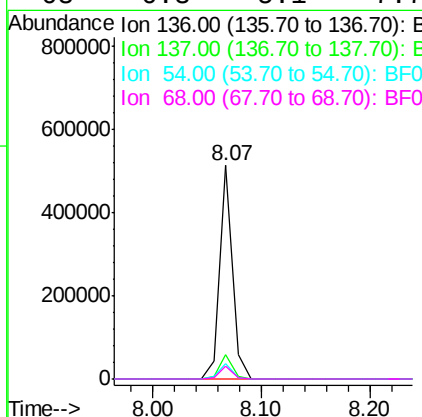
RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Tgt Ion:	136	Resp:	423246
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	7.4	6.6	10.0
68	6.3	5.1	7.7





#23

Nitrobenzene-d5

Concen: 35.15 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

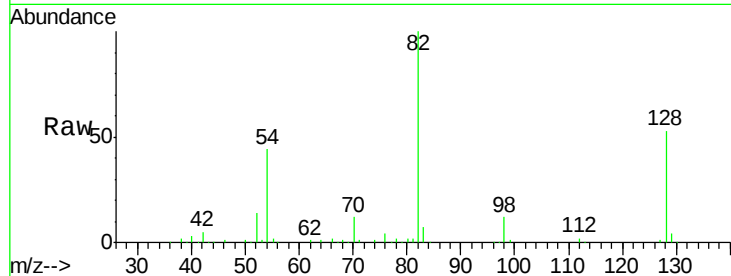
ClientSampleId :

S6-B3(0-7)C

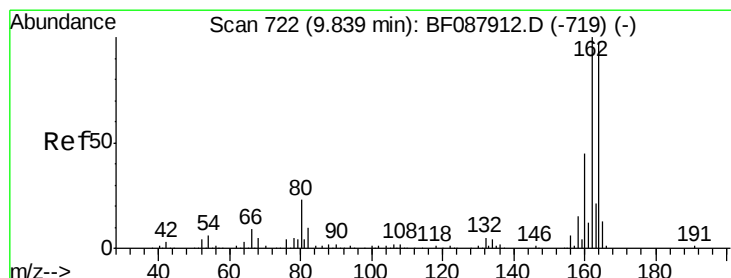
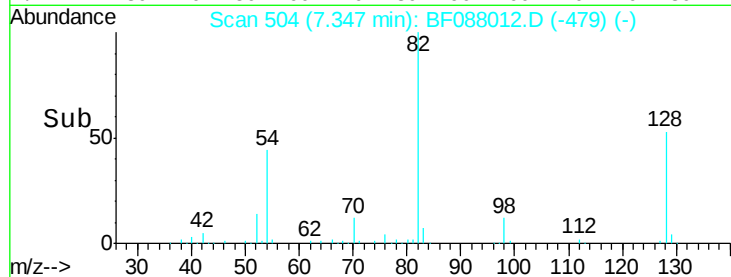
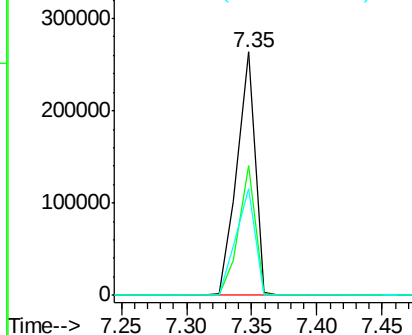
Tot Ion:	82	Resp:	254775
Ion Ratio	Lower	Upper	
82	100		
128	53.0	35.9	53.9
54	43.6	40.9	61.3

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

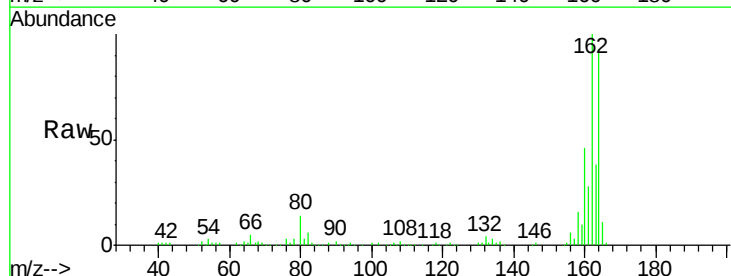
RT: 9.83 min Scan# 721

Delta R.T. 0.00 min

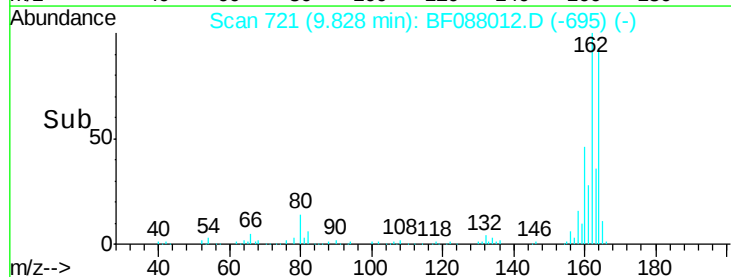
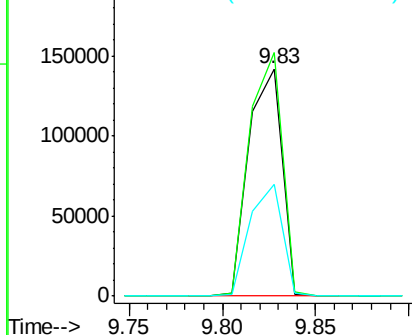
Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Tgt Ion:	164	Resp:	178725
Ion Ratio	Lower	Upper	
164	100		
162	107.1	85.4	128.2
160	49.4	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





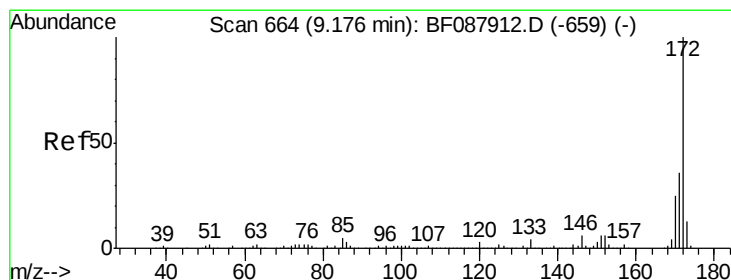
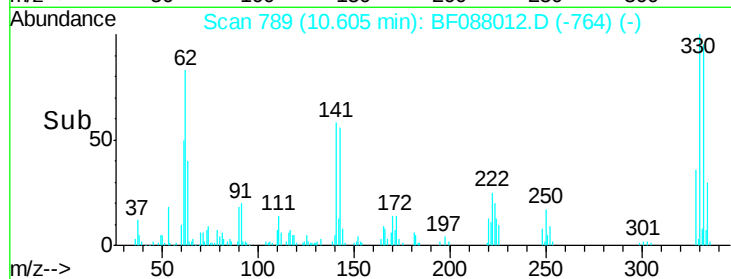
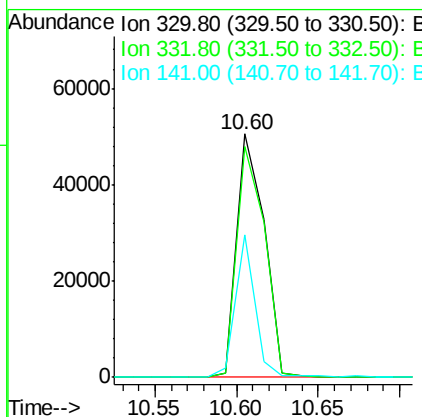
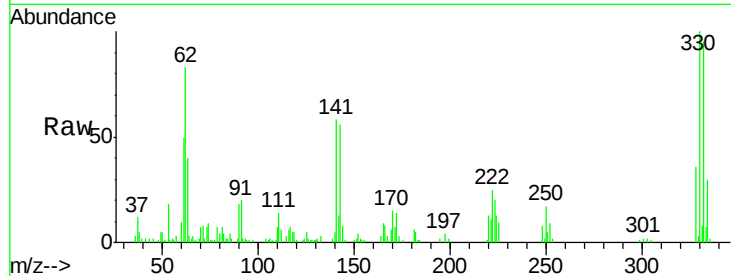
#41
 2,4,6-Tribromophenol
 Concen: 31.03 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	42.4	0.0	0.0#

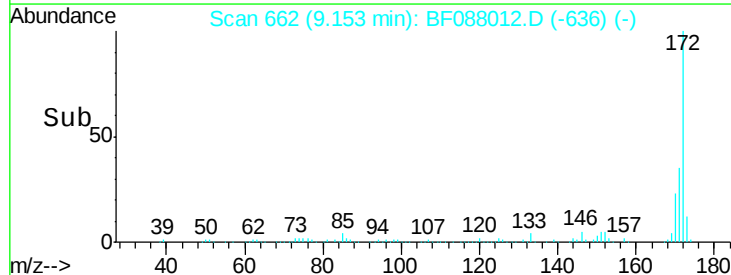
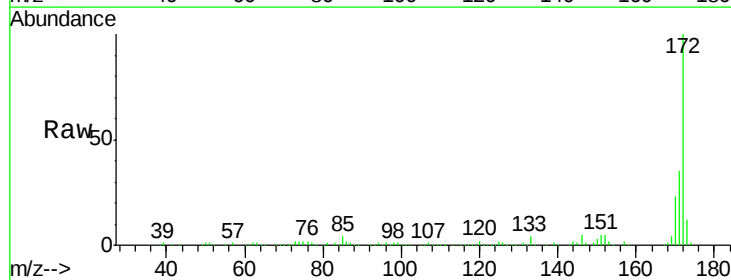
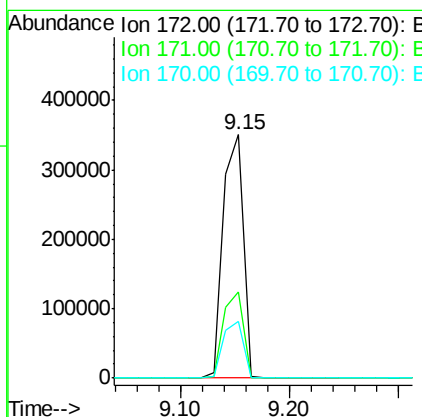
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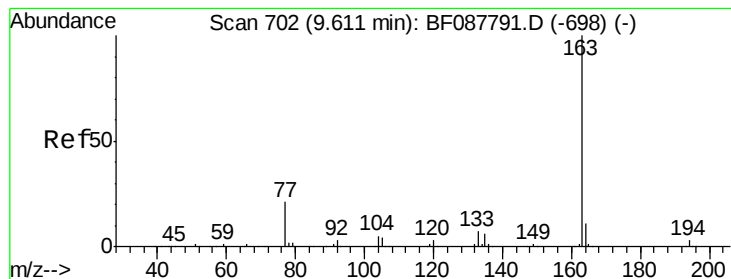
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#44
 2-Fluorobiphenyl
 Concen: 36.48 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.1	19.2	28.8





#49

Dimethylphthalate

Concen: 5.42 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

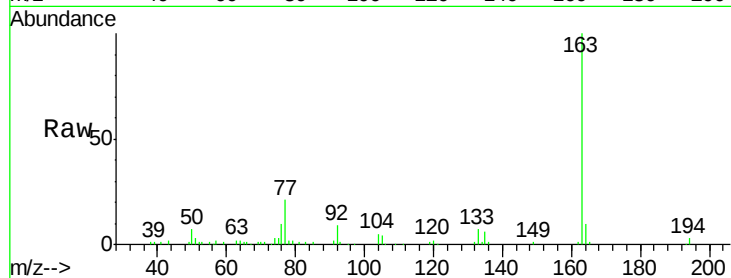
ClientSampleId :

S6-B3(0-7)C

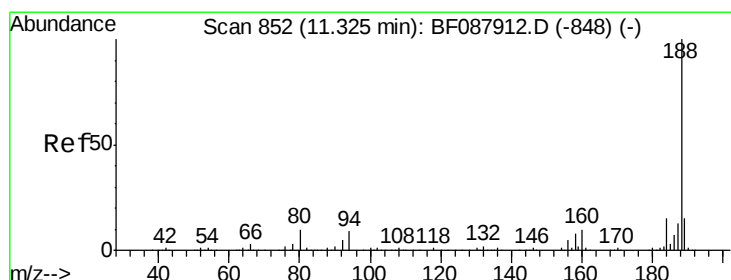
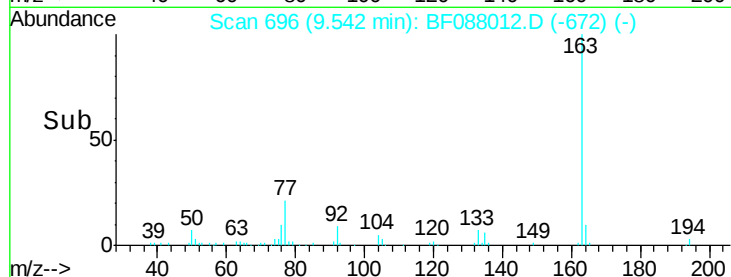
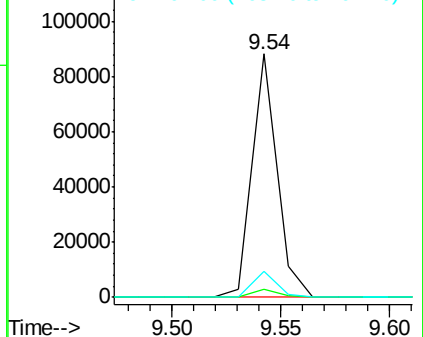
Tot Ion:	163	Resp:	70203
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.5	8.3	12.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

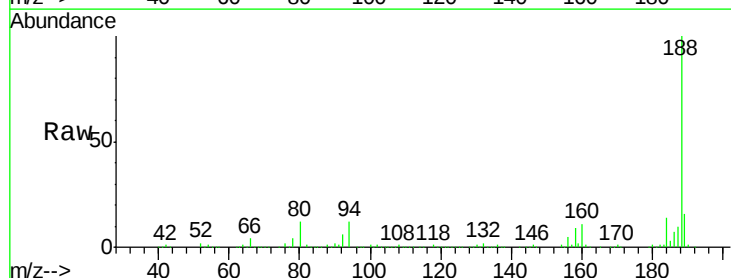
RT: 11.30 min Scan# 850

Delta R.T. 0.00 min

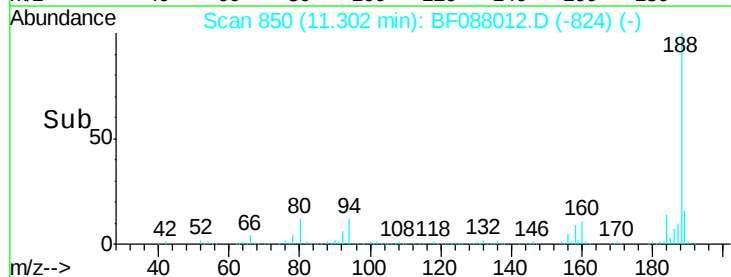
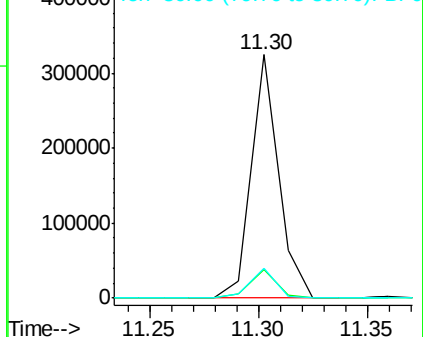
Lab File: BF088012.D

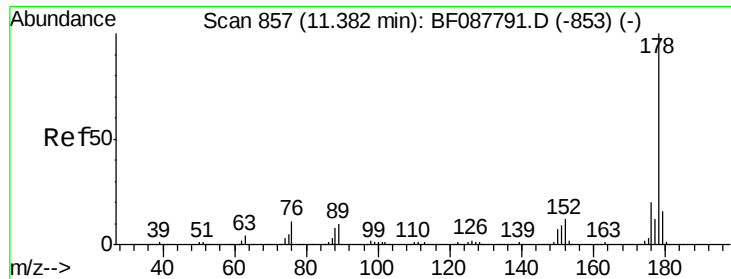
Acq: 14 Jun 2016 21:56

Tgt Ion:	188	Resp:	282423
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.0	13.6
80	12.0	10.0	15.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.10 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

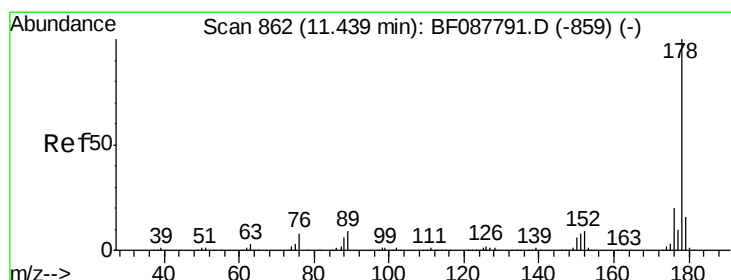
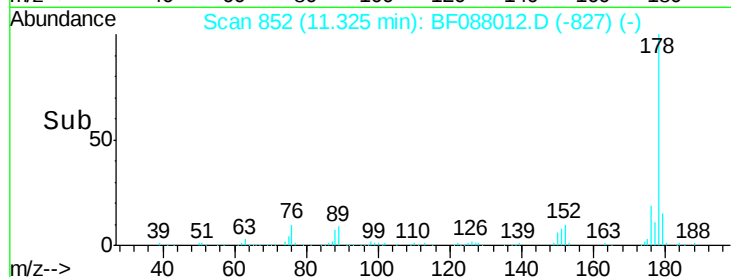
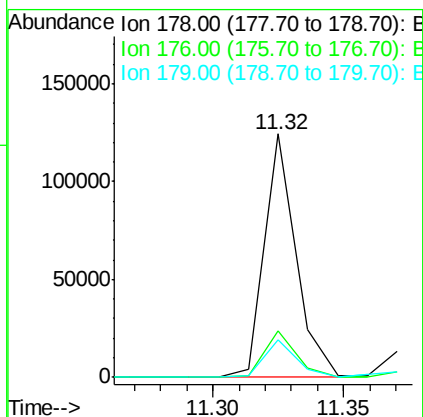
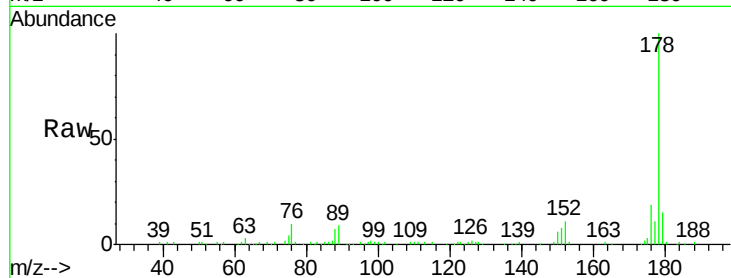
ClientSampleId :

S6-B3(0-7)C

Tot Ion:178	Resp:	105222
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.8 23.6
179	15.3	13.0 19.4

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#71

Anthracene

Concen: 2.10 ng

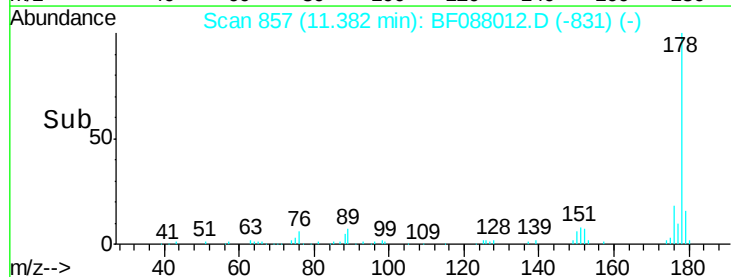
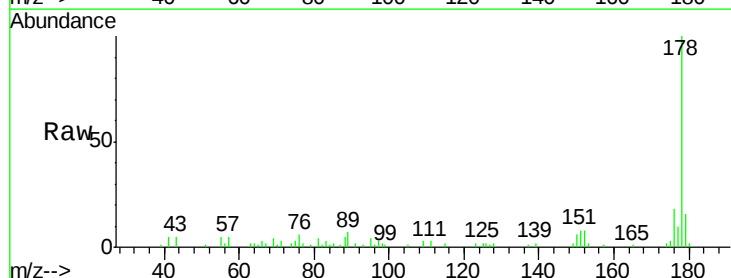
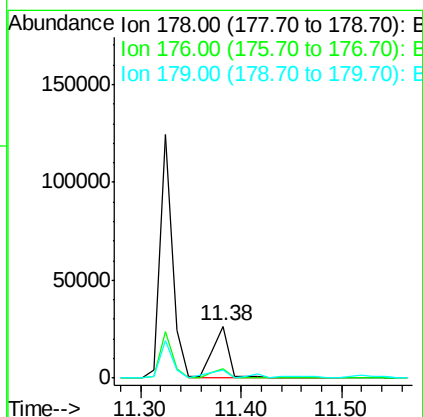
RT: 11.38 min Scan# 857

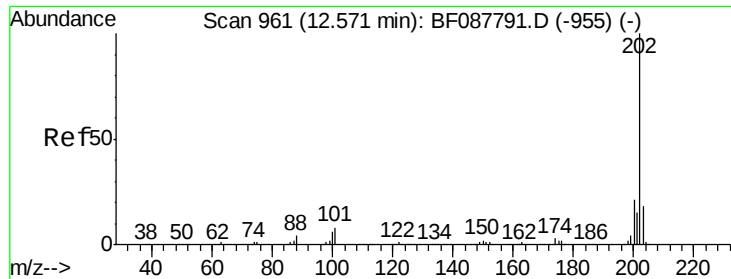
Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Tgt Ion:178	Resp:	31449
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.6 23.4
179	16.3	12.8 19.2





#74

Fluoranthene

Concen: 9.10 ng

RT: 12.51 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

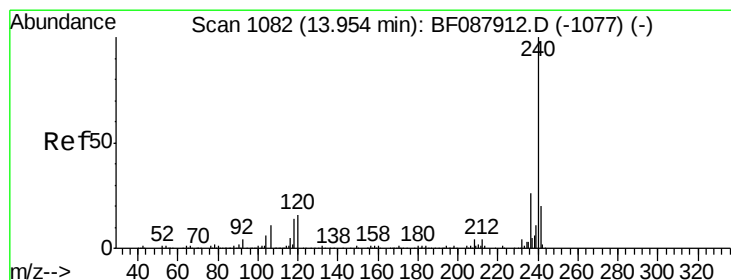
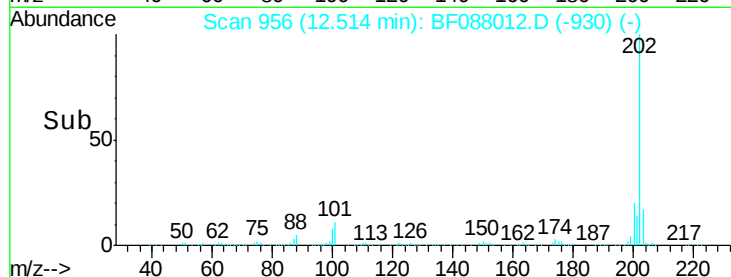
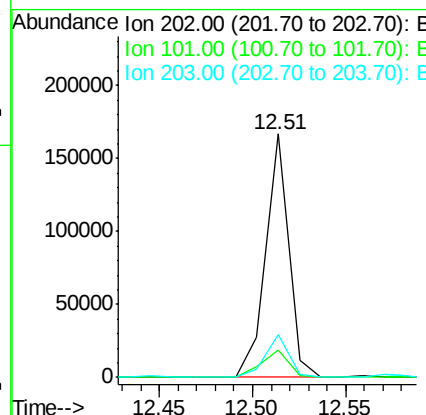
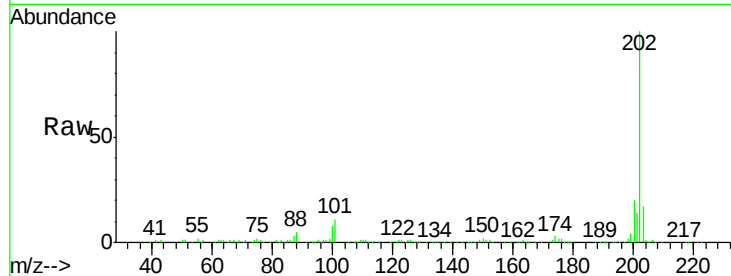
ClientSampleId :

S6-B3(0-7)C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	33.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

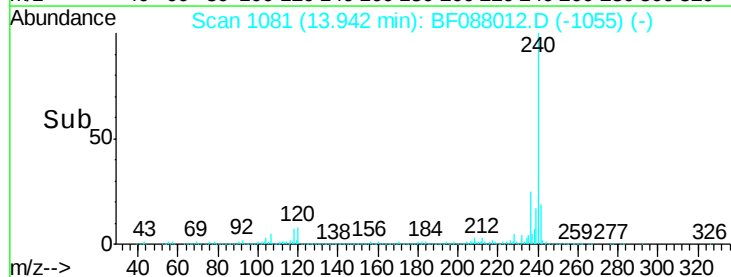
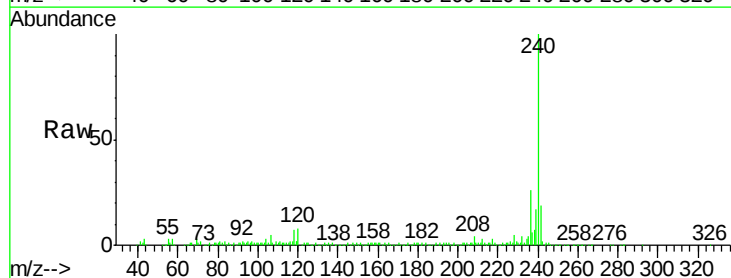
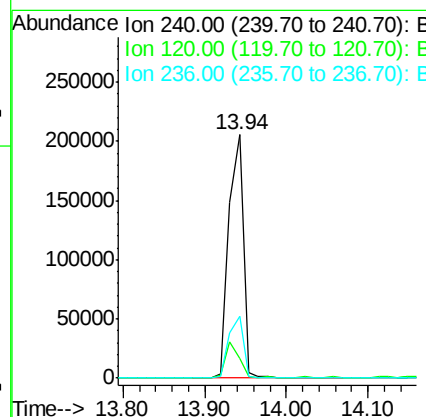
RT: 13.94 min Scan# 1081

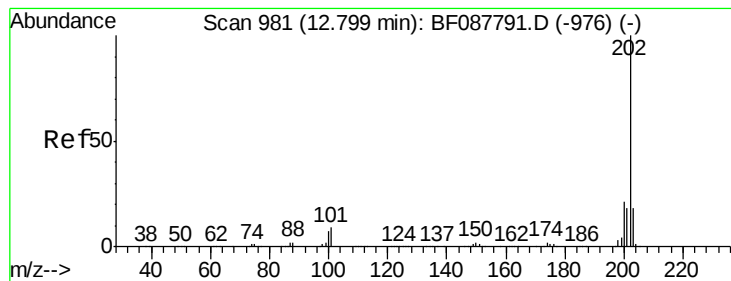
Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.9	6.8	10.2
236	25.5	20.2	30.2





#77

Pvrene

Concen: 6.66 ng

RT: 12.74 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

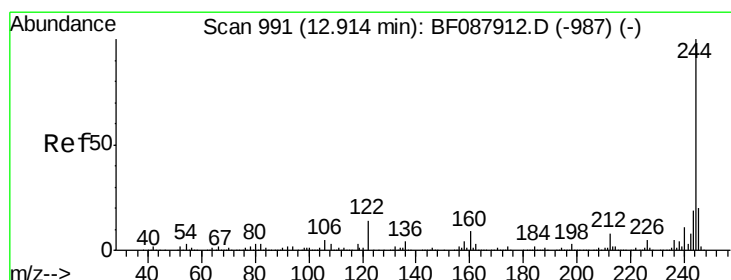
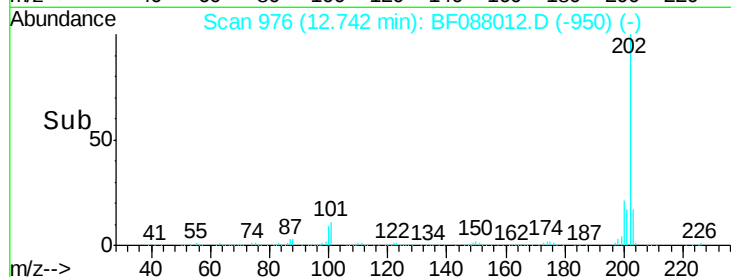
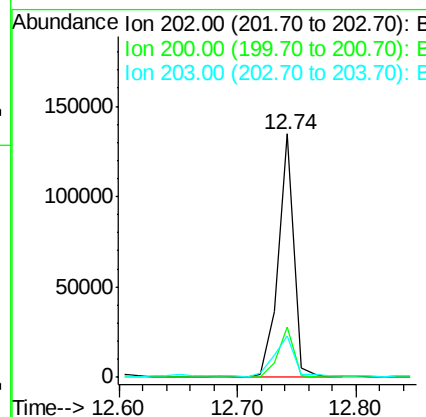
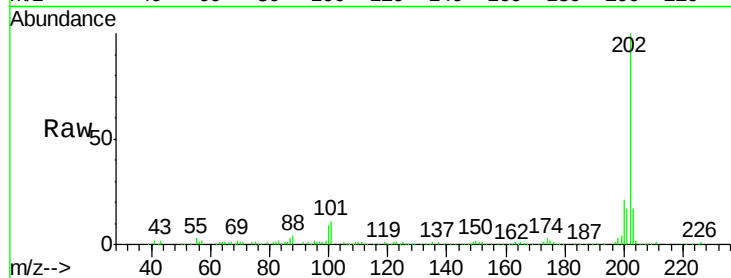
ClientSampleId :

S6-B3(0-7)C

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.2	14.5	21.7

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#78

Terphenyl-d14

Concen: 30.18 ng

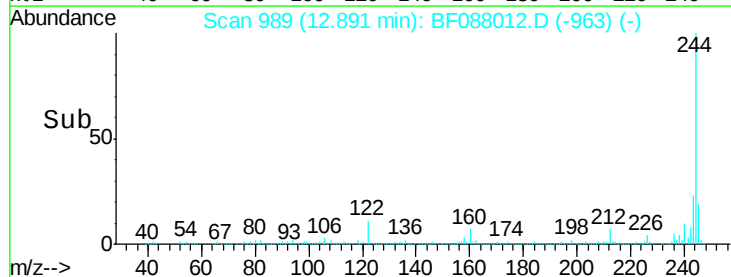
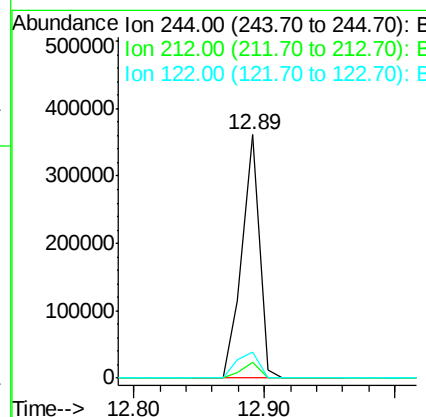
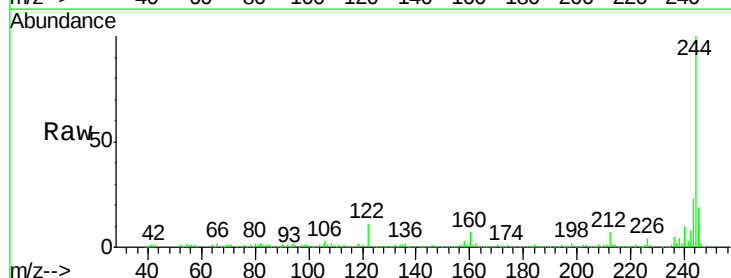
RT: 12.89 min Scan# 989

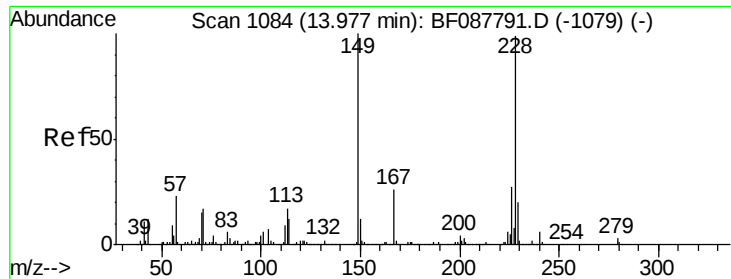
Delta R.T. 0.00 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	10.6	11.2	16.8





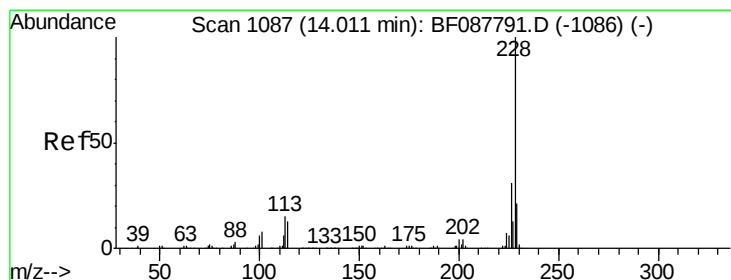
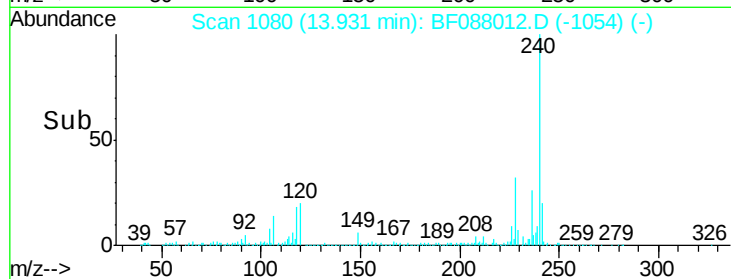
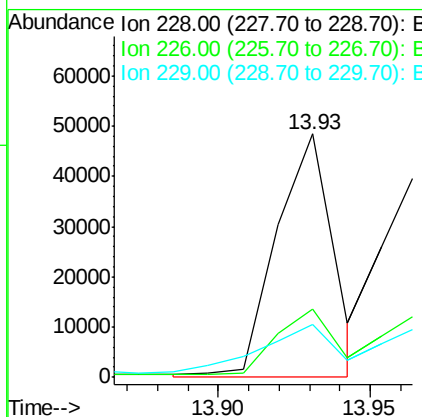
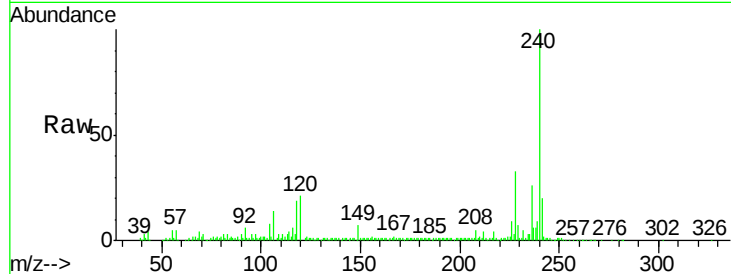
#80
Benzo(a)anthracene
Concen: 4.35 ng m
RT: 13.93 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	21.8	16.0	24.0

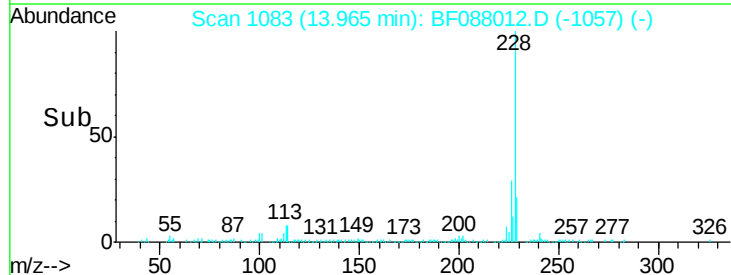
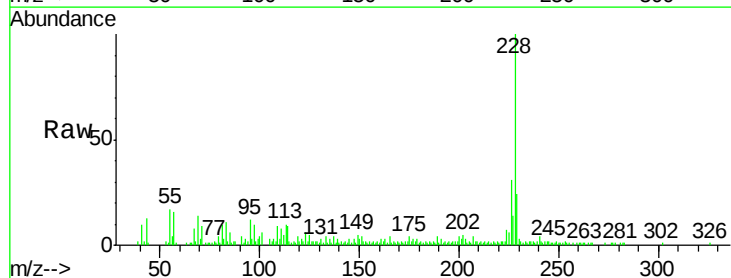
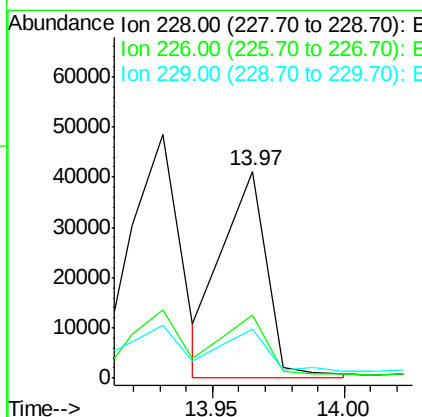
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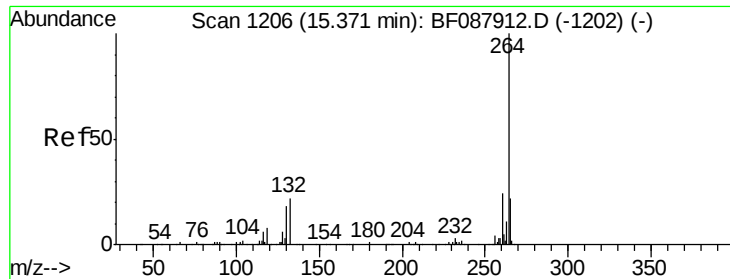
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#82
Chrysene
Concen: 3.60 ng m
RT: 13.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.2
229	23.7	16.3	24.5





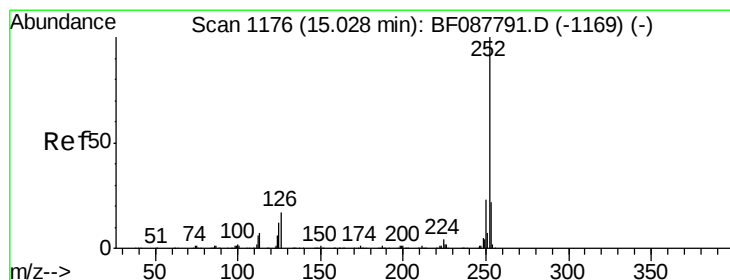
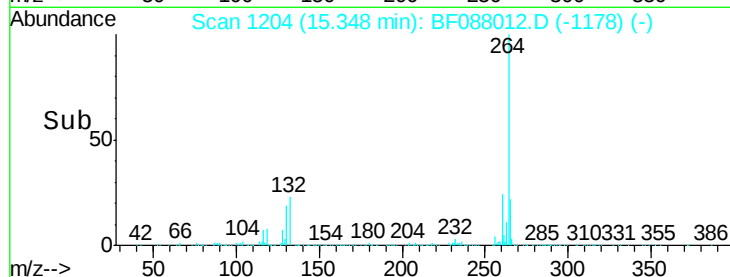
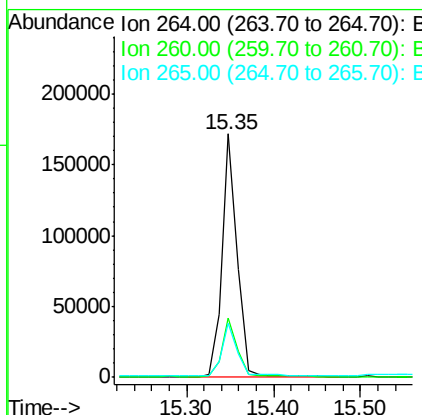
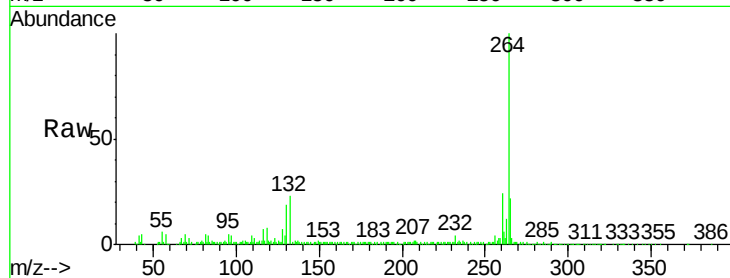
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.1	16.9	25.3

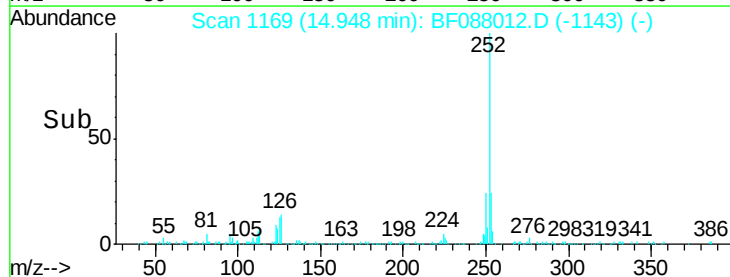
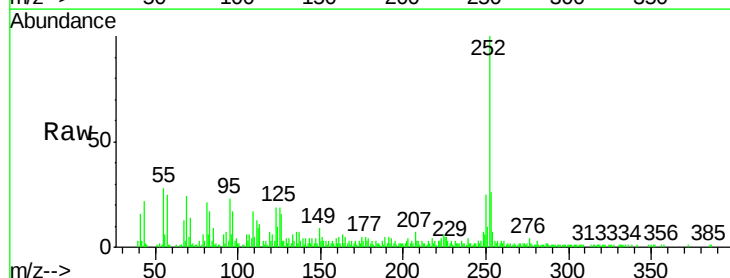
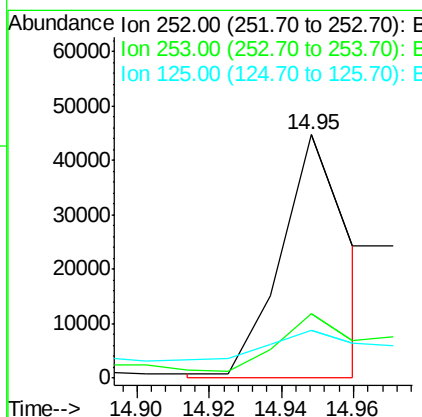
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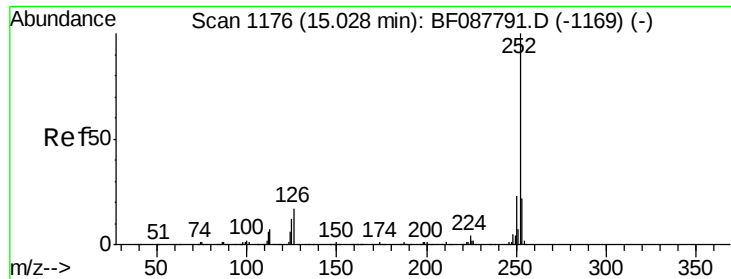
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#87
Benzo(b)fluoranthene
Concen: 4.05 ng m
RT: 14.95 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.4	17.4	26.2#
125	19.4	7.1	10.7#





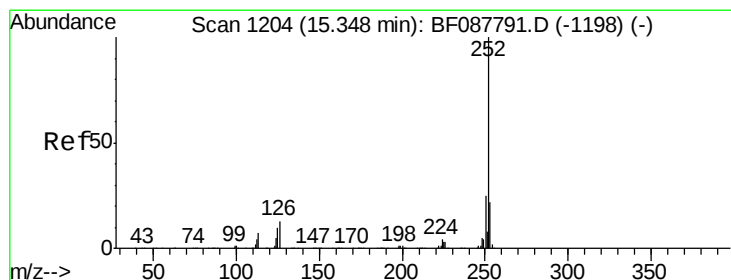
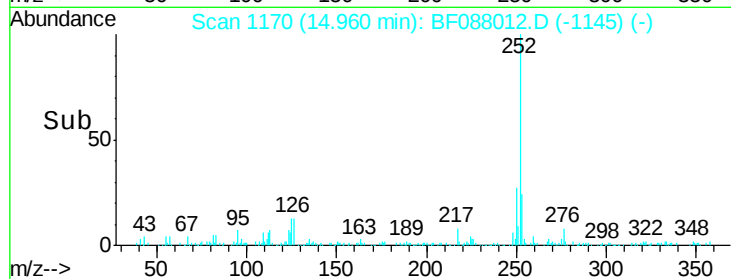
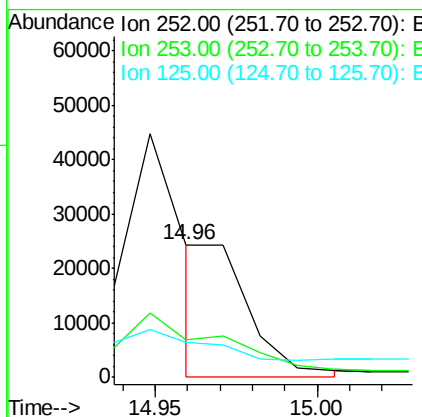
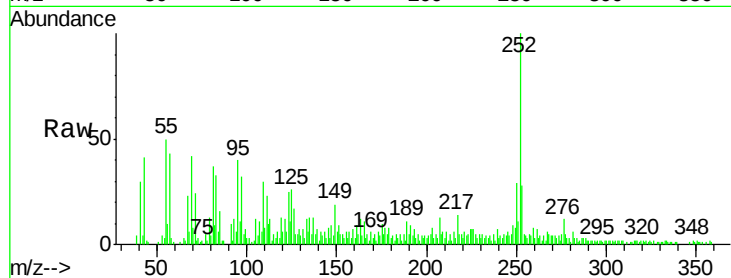
#88
Benzo(k)fluoranthene
Concen: 2.20 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.0	27.0#
125	26.3	11.2	16.8#

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.48 ng
RT: 15.29 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	20.0	12.5	18.7#

