

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF086012.D
 Acq On : 2 Apr 2016 15:28
 Operator : UM/SJ
 Sample : H2055-14
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Manual Integrations
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Quant Time: Apr 04 02:24:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	109032	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	426976	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	190024	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	348571	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	235927	20.00	ng	0.00
86) Perylene-d12	15.33	264	217070	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	560417	87.86	ng	0.00
7) Phenol-d6	6.41	99	692447	85.46	ng	-0.01
23) Nitrobenzene-d5	7.33	82	431480	59.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	155510	87.19	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	650711	56.94	ng	-0.01
78) Terphenyl-d14	12.88	244	532097	53.02	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.53	163	100110	7.11	ng	100
70) Phenanthrene	11.31	178	261206	13.74	ng	99
71) Anthracene	11.37	178	88937	4.46	ng	98
74) Fluoranthene	12.50	202	351211	17.76	ng	97
77) Pyrene	12.73	202	304363	18.31	ng	99
80) Benzo(a)anthracene	13.92	228	164678	11.84	ng	99
82) Chrysene	13.95	228	106334	7.94	ng	98
87) Benzo(b)fluoranthene	14.93	252	161906m	11.86	ng	
88) Benzo(k)fluoranthene	14.96	252	36072m	2.98	ng	
89) Benzo(a)pyrene	15.28	252	106480	8.80	ng	97
91) Benzo(g,h,i)perylene	17.11	276	55312	5.87	ng	97

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

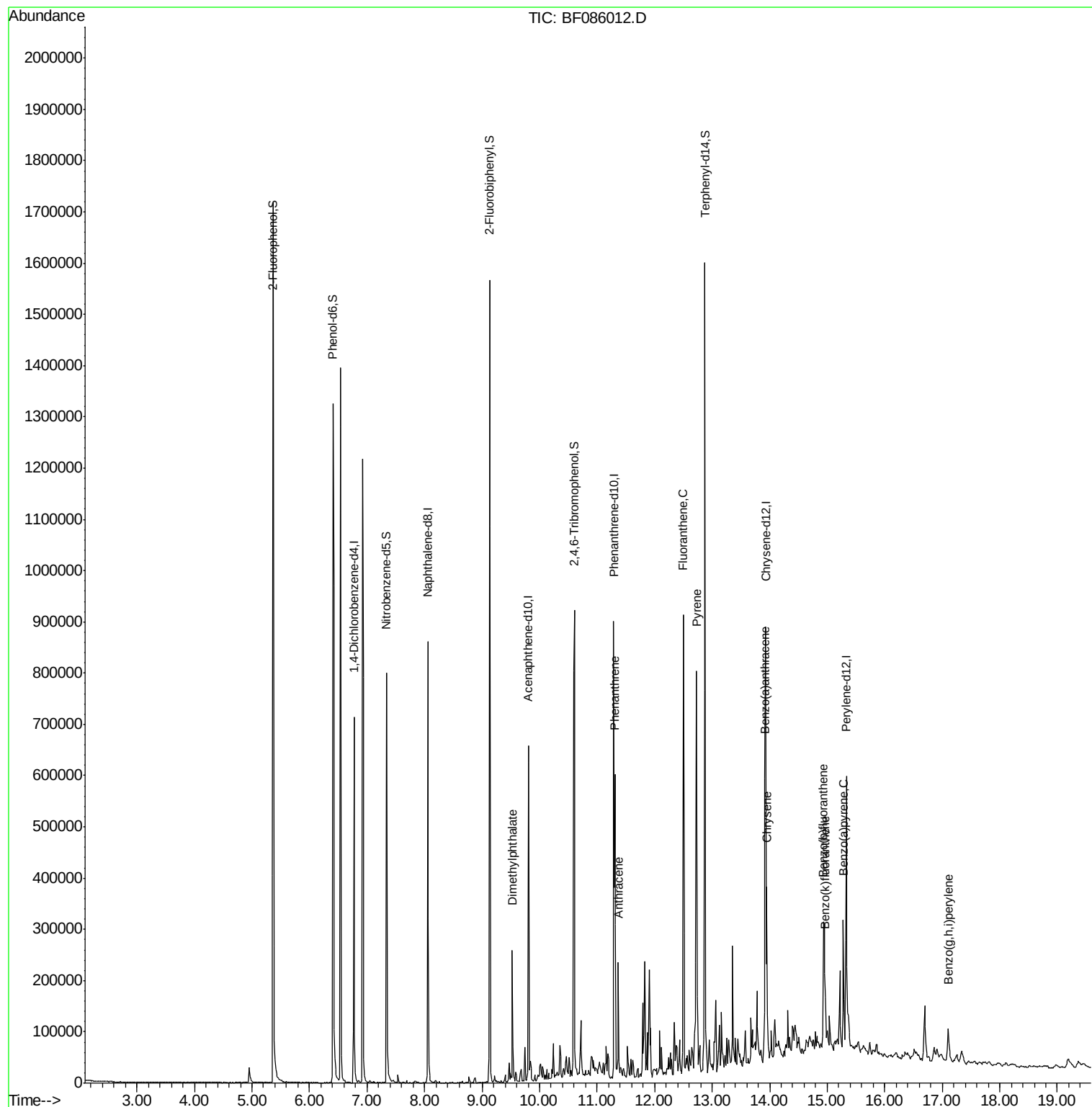
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
Data File : BF086012.D
Acq On : 2 Apr 2016 15:28
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 48 Sample Multiplier: 1

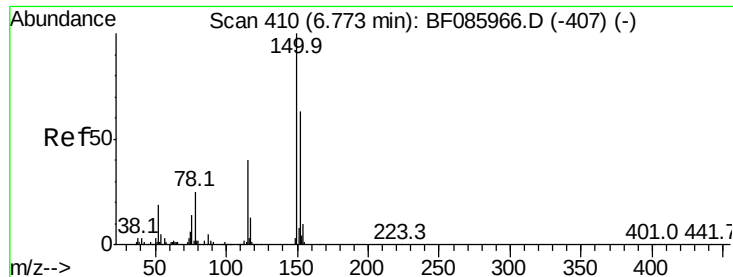
Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Manual Integrations
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Quant Time: Apr 04 02:24:59 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

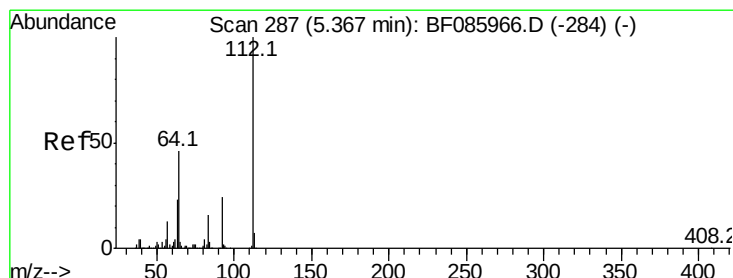
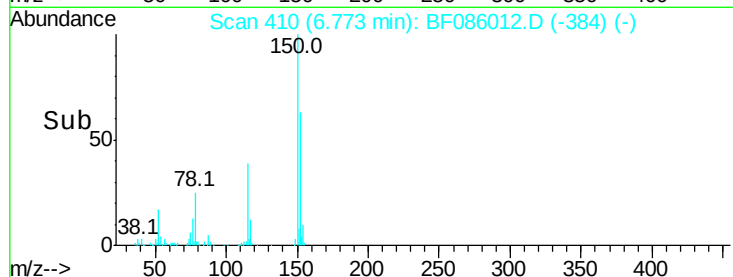
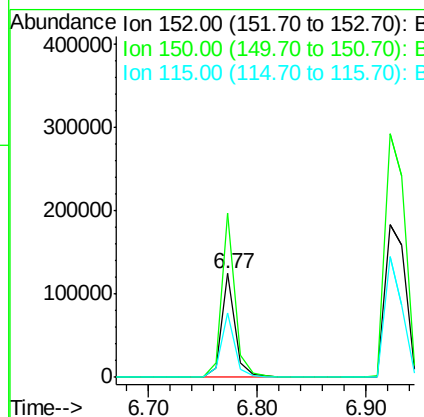
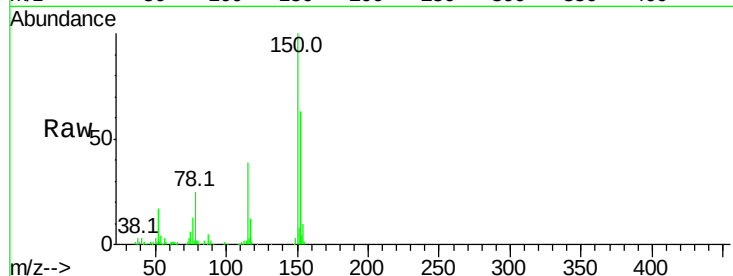
ClientSampleId :

BH-14(0-4)

Tot Ion:	152	Resp:	109032
Ion Ratio	Lower	Upper	
152	100		
150	158.3	124.2	186.2
115	62.5	47.0	70.6

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#5

2-Fluorophenol

Concen: 87.86 ng

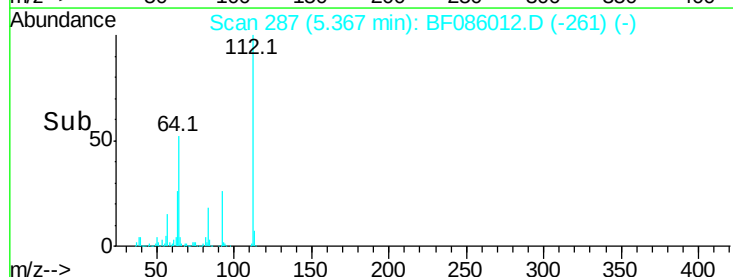
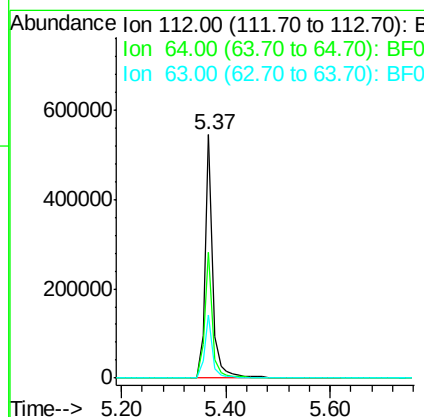
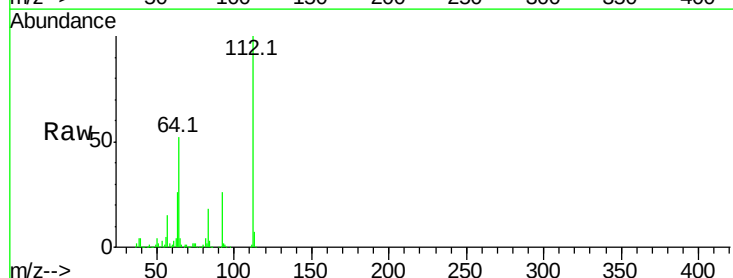
RT: 5.37 min Scan# 287

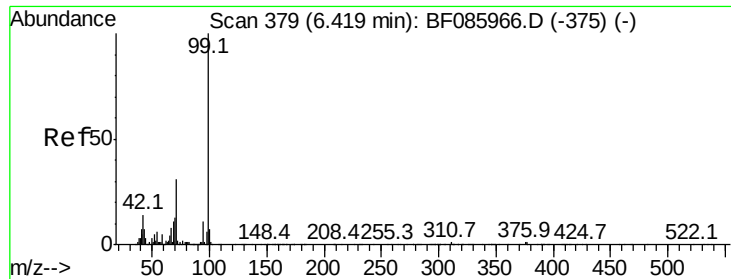
Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Tgt Ion:	112	Resp:	560417
Ion Ratio	Lower	Upper	
112	100		
64	51.8	39.9	59.9
63	25.9	20.2	30.2





#7

Phenol-d6

Concen: 85.46 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

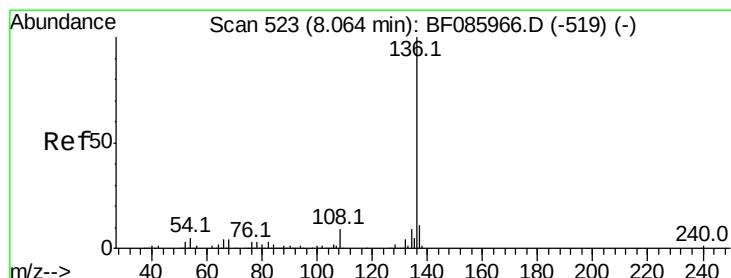
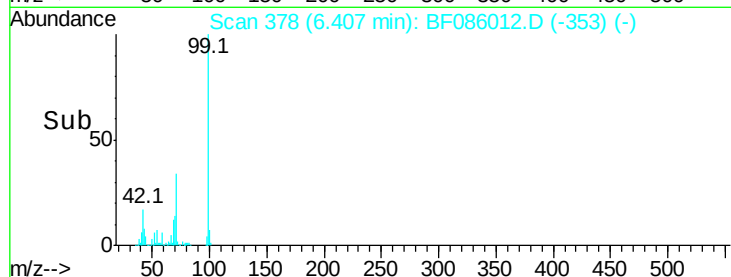
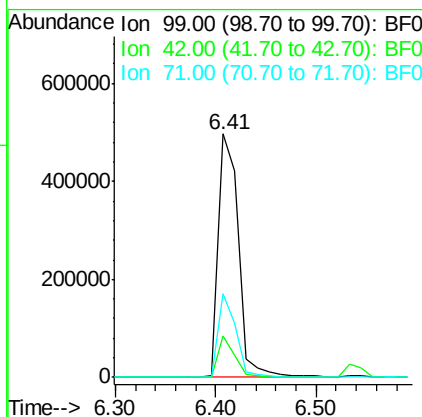
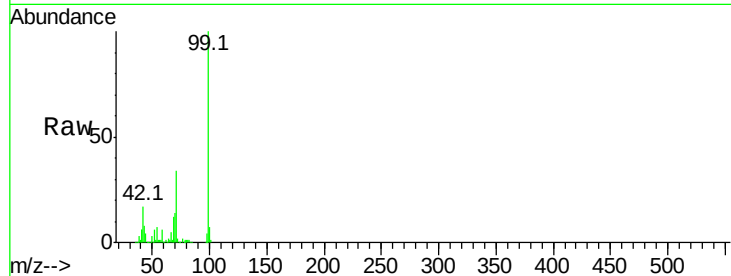
BH-14(0-4)

Tot Ion: 99 Resp: 692447

Ion	Ratio	Lower	Upper
99	100		
42	17.1	11.1	16.7#
71	34.3	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

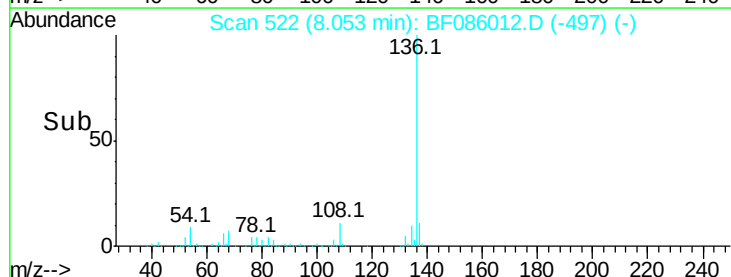
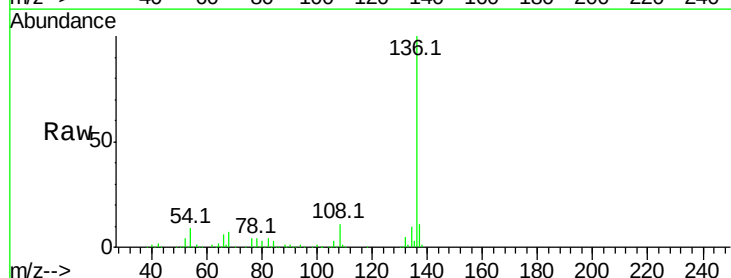
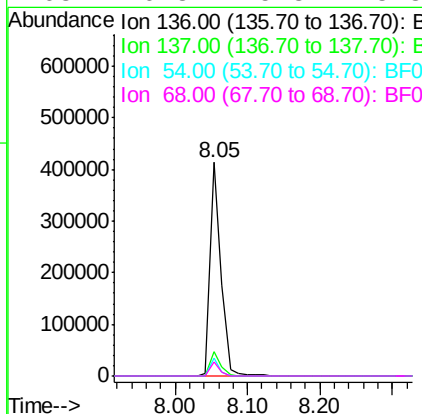
Delta R.T. -0.01 min

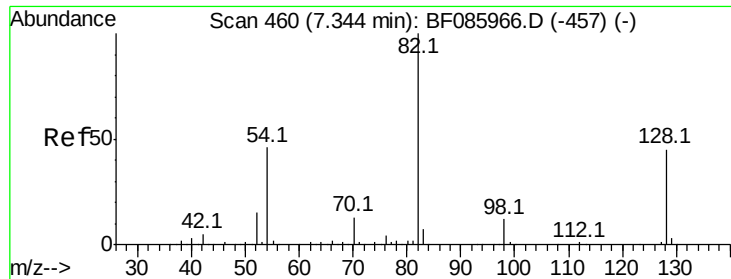
Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Tgt Ion: 136 Resp: 426976

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.5	7.4	11.0
68	6.8	5.8	8.8





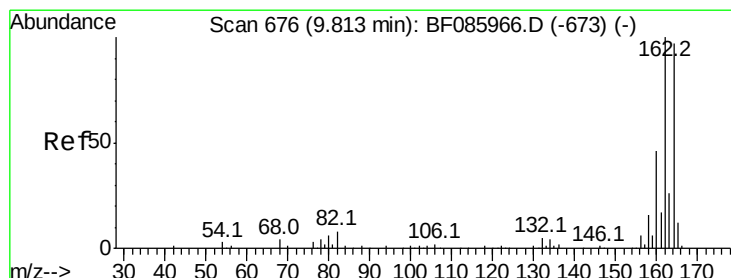
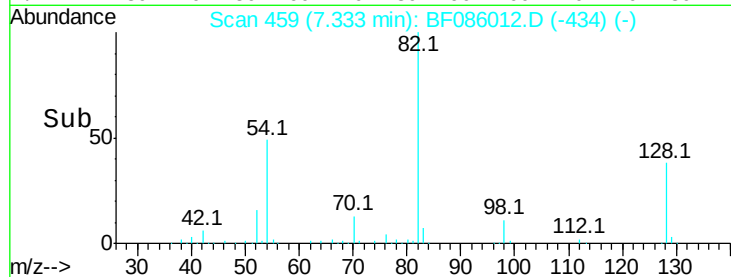
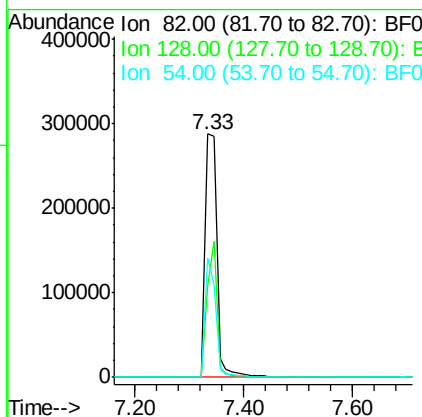
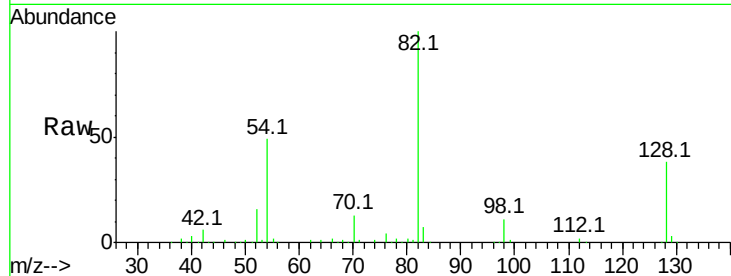
#23
 Nitrobenzene-d5
 Concen: 59.59 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	41.8	62.8#	
54	49.1	33.4	50.0	

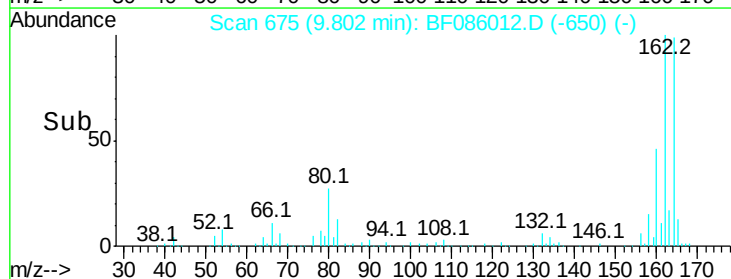
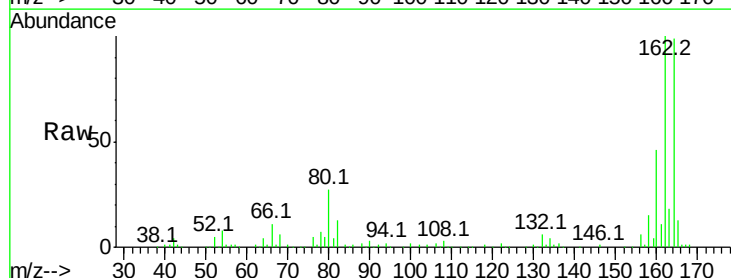
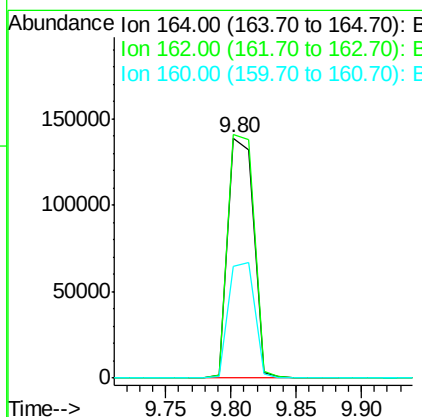
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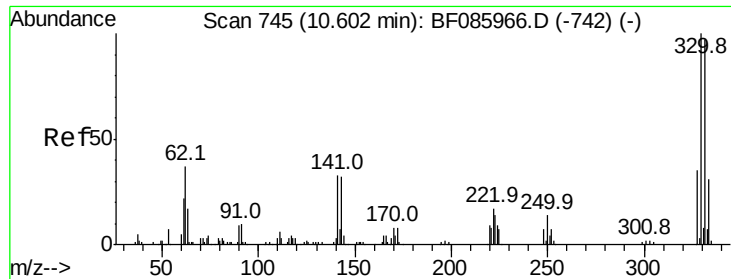
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	82.1	123.1	
160	46.7	37.4	56.2	





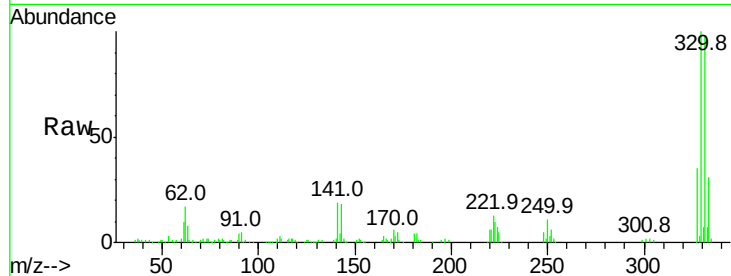
#41
 2,4,6-Tribromophenol
 Concen: 87.19 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

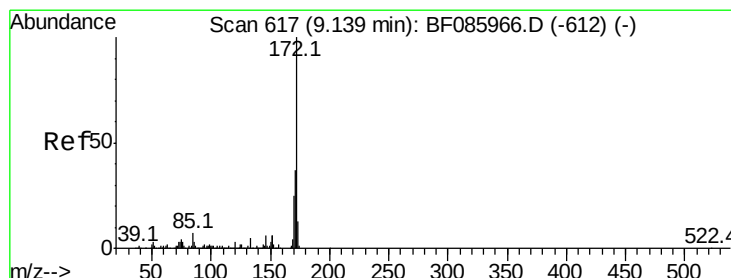
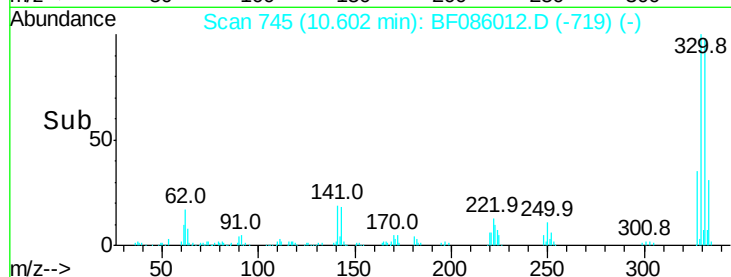
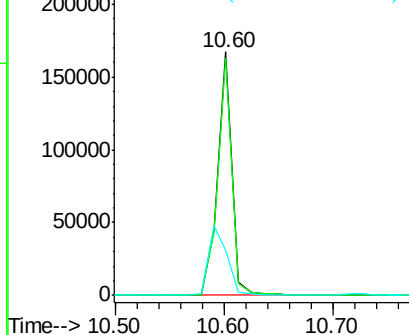
Tot Ion	Ratio	Resp	Lower	Upper
330	100	155510		
332	96.9	78.2	117.2	
141	37.7	31.5	47.3	

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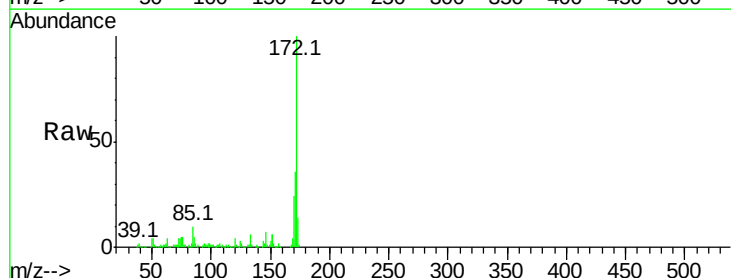


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

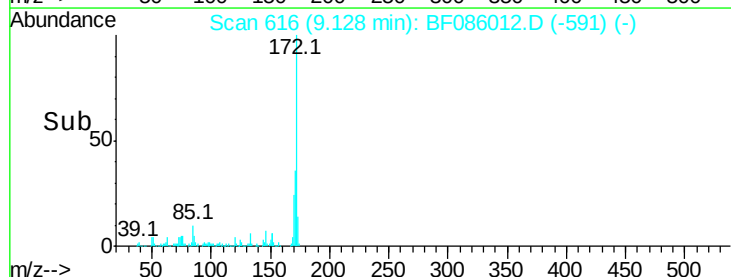
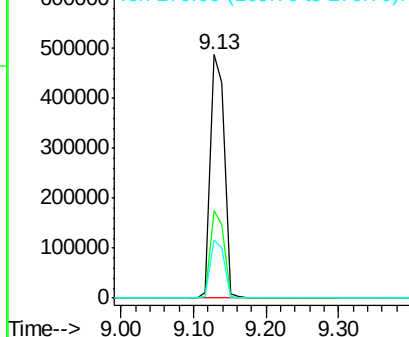


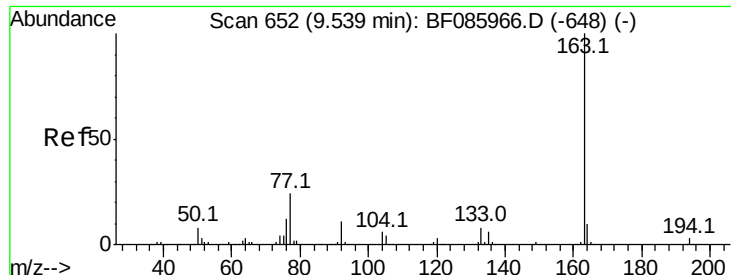
#44
 2-Fluorobiphenyl
 Concen: 56.94 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	650711		
171	35.7	29.4	44.2	
170	24.1	19.8	29.6	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





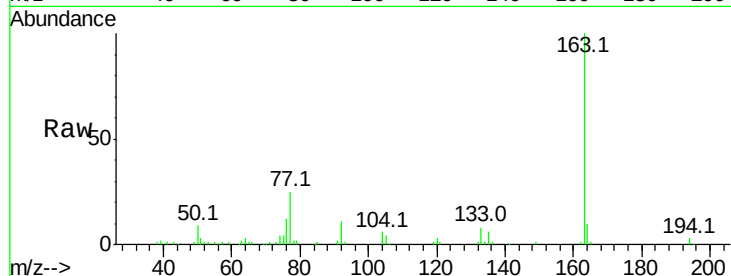
#49
Dimethylphthalate
Concen: 7.11 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampled :
BH-14(0-4)

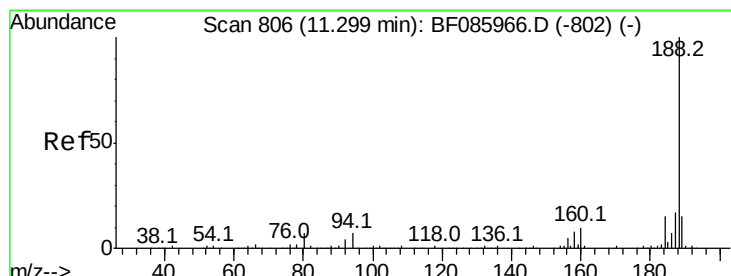
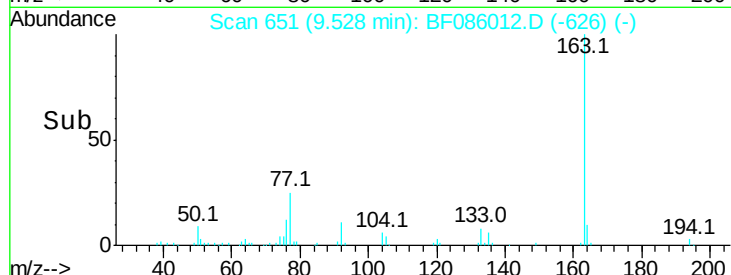
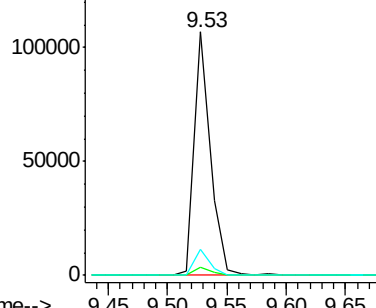
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.9	4.3	
164	10.4	8.3	12.5	

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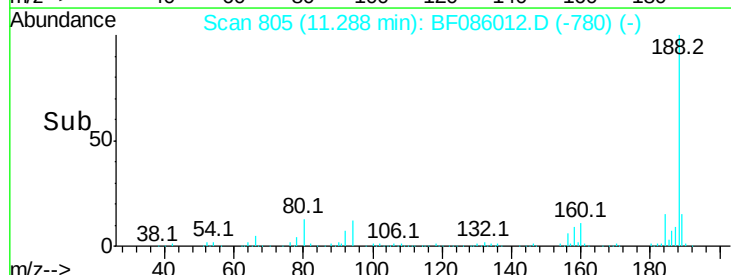
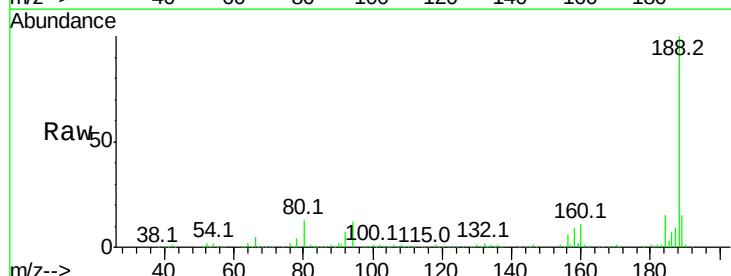
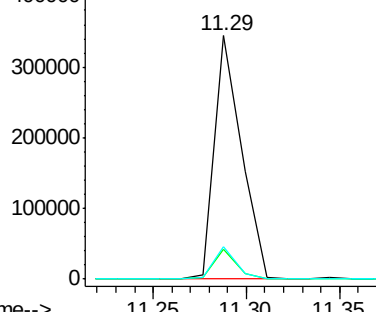
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

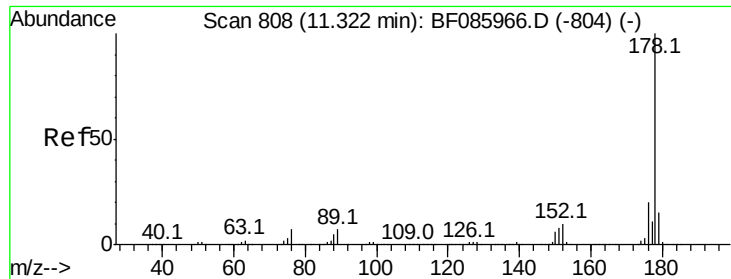


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.1	5.4	8.0#	
80	13.2	5.5	8.3#	

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





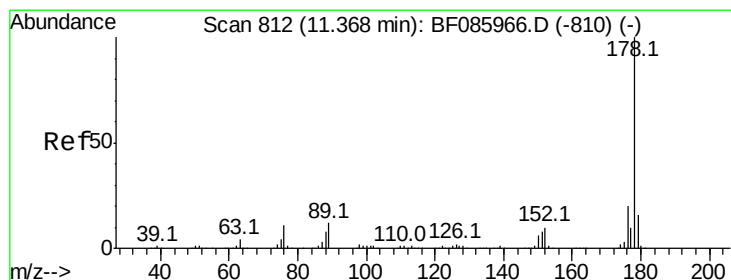
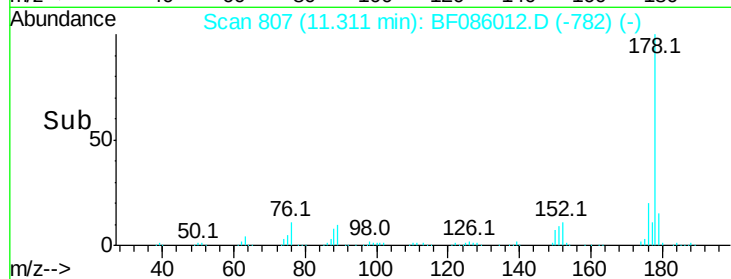
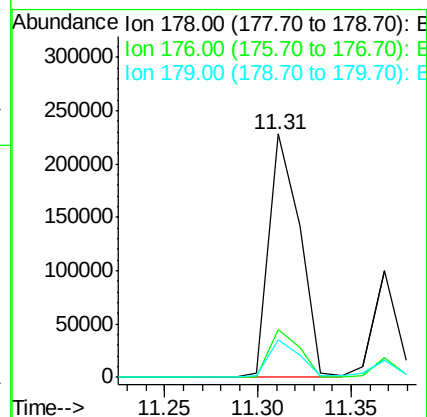
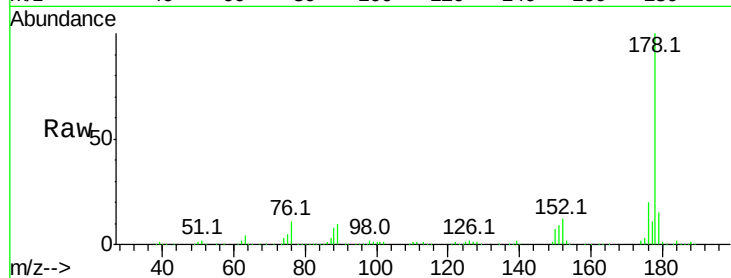
#70
 Phenanthrene
 Concen: 13.74 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.4	12.6	18.8

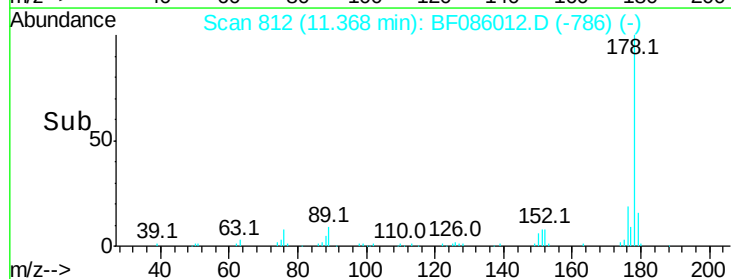
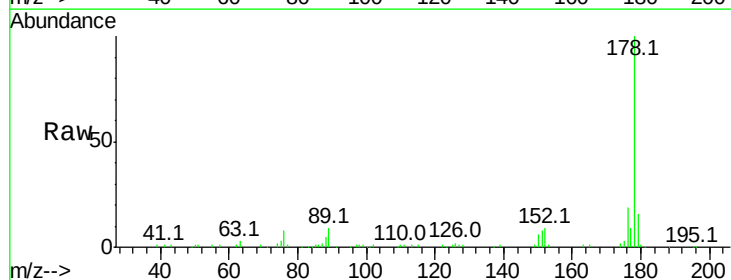
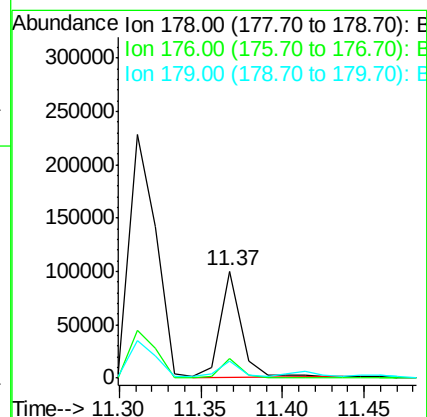
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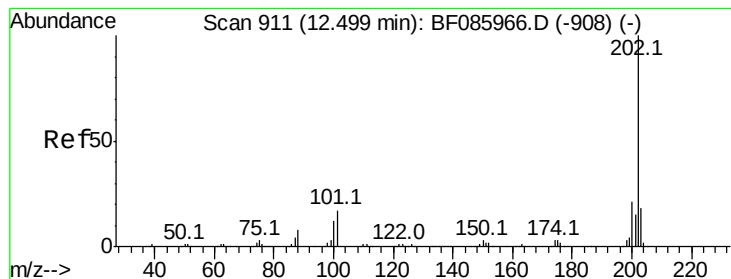
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#71
 Anthracene
 Concen: 4.46 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	13.0	19.4





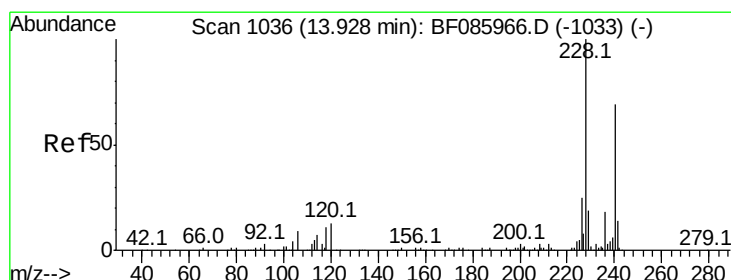
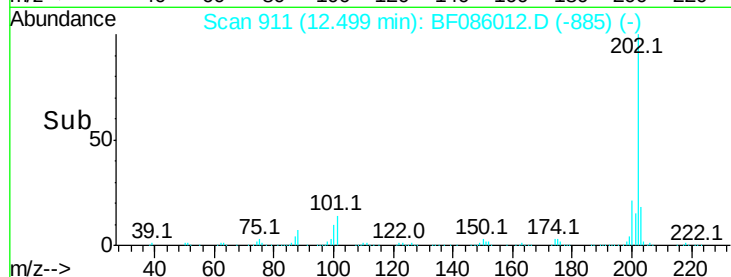
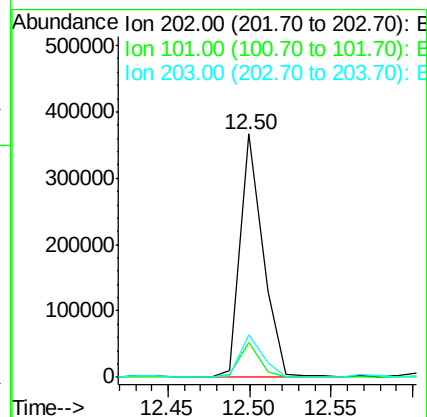
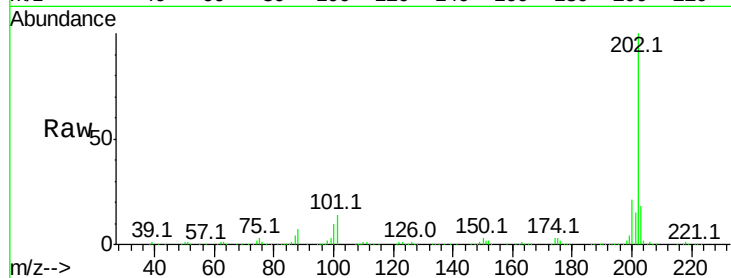
#74
Fluoranthene
Concen: 17.76 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampled :
BH-14(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	0.0	36.6
203	17.7	0.0	38.1

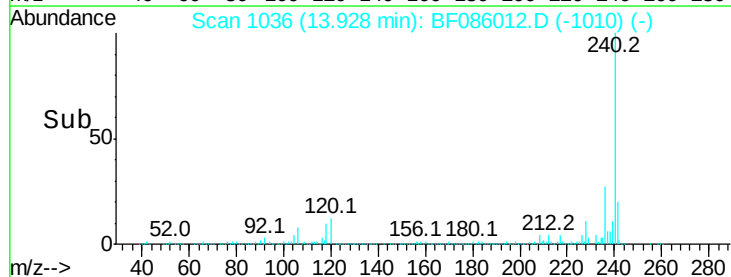
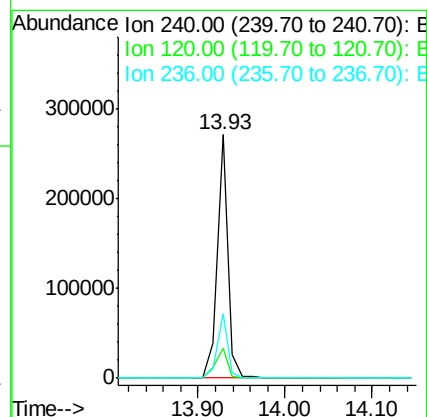
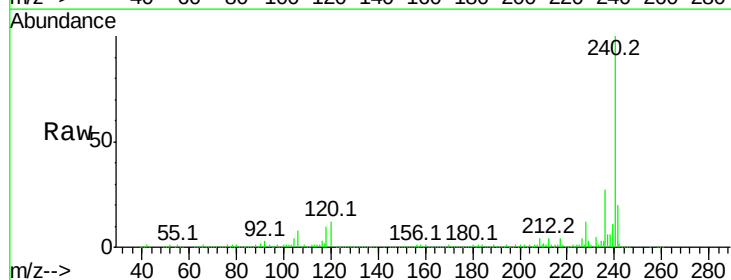
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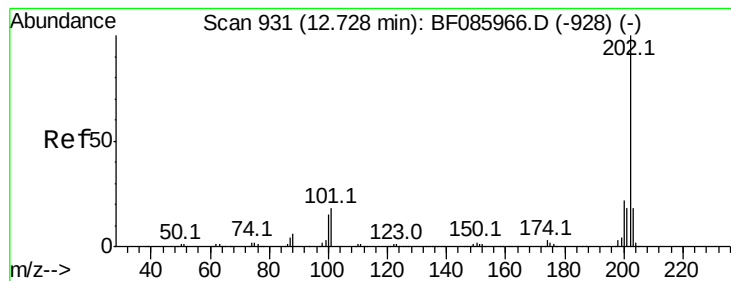
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	13.8	20.8#
236	26.6	20.6	30.8





#77

Pvrene

Concen: 18.31 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

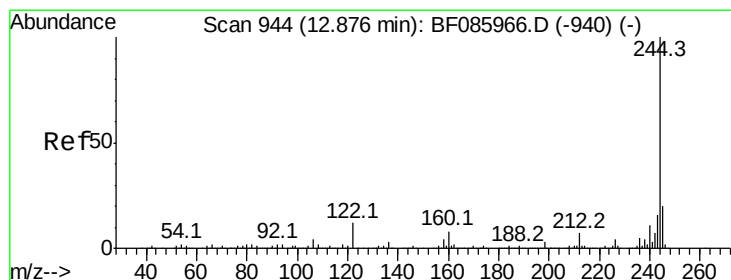
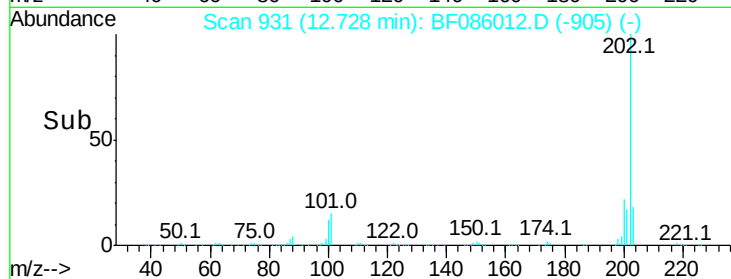
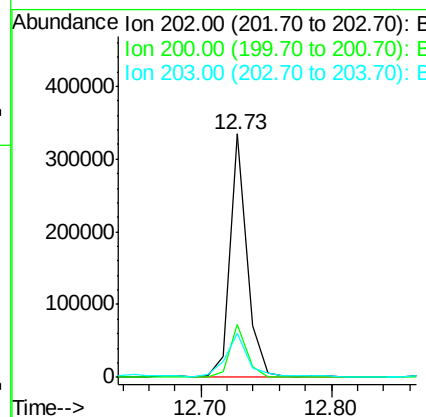
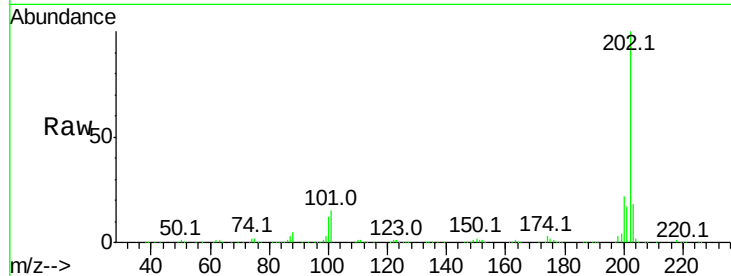
ClientSampleId :

BH-14(0-4)

Tot Ion:	202	Resp:	304363
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	18.1	14.0	21.0

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4/4/2016 7:41:09 PM



#78

Terphenyl-d14

Concen: 53.02 ng

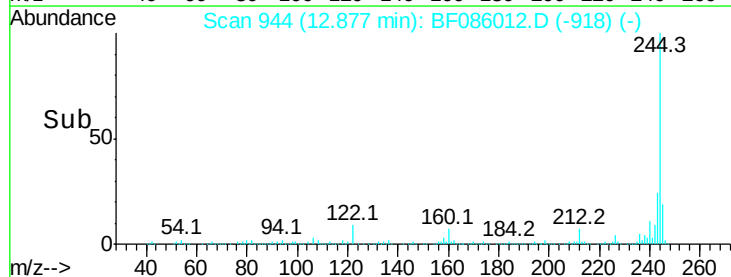
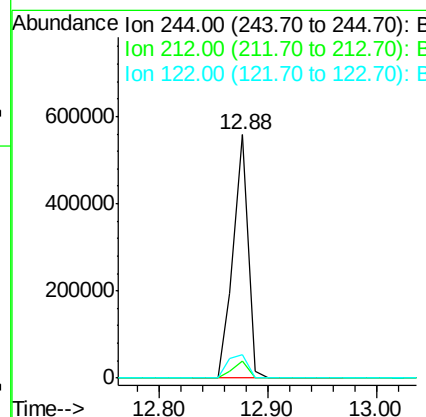
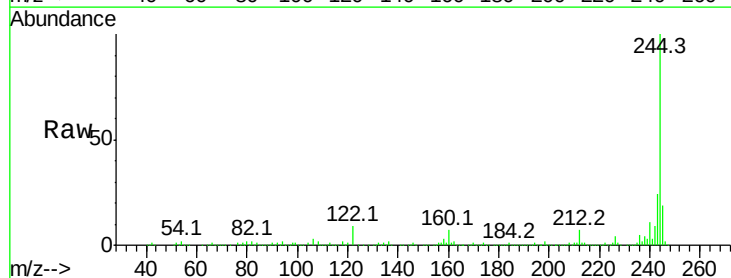
RT: 12.88 min Scan# 944

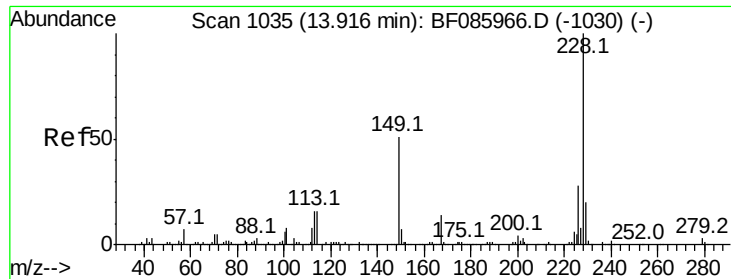
Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Tgt Ion:	244	Resp:	532097
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.1	9.1
122	9.5	10.2	15.4#





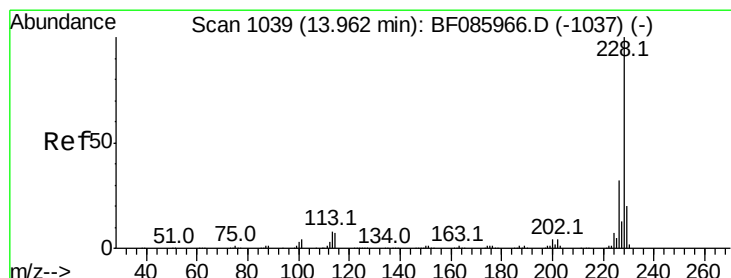
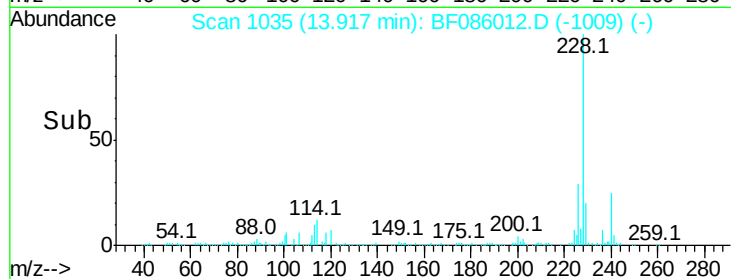
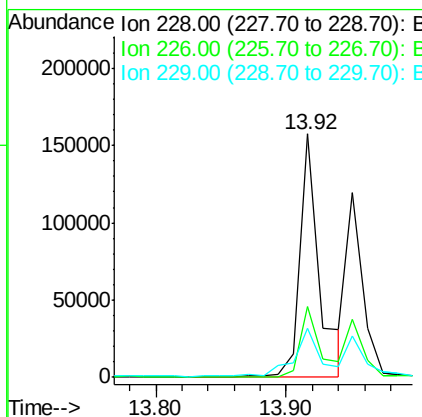
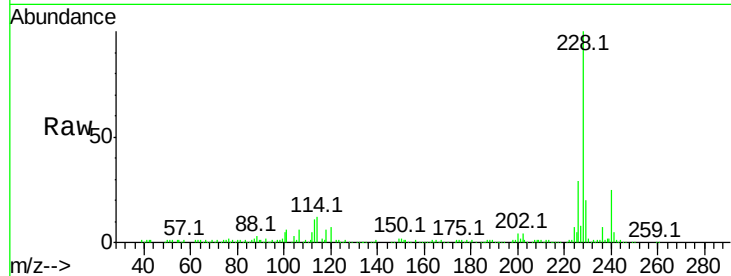
#80
Benzo(a)anthracene
Concen: 11.84 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampled :
BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	20.3	16.2	24.4

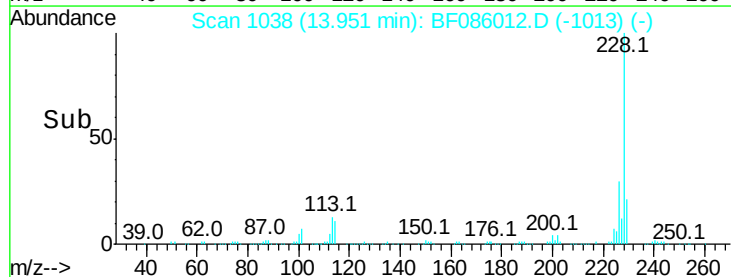
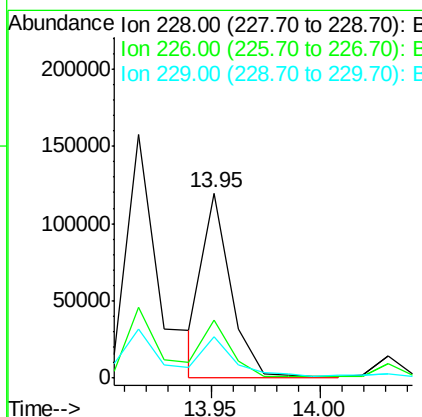
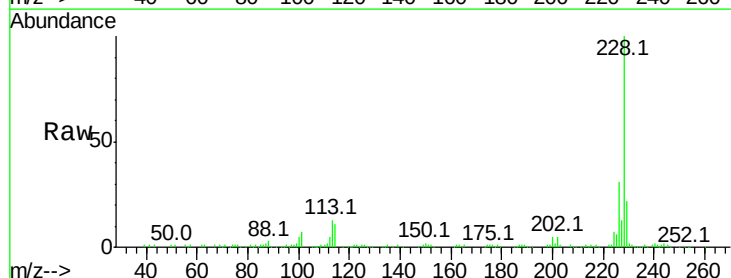
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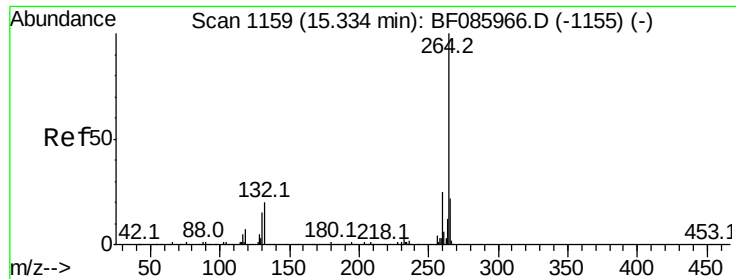
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#82
Chrysene
Concen: 7.94 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.2	15.7	23.5





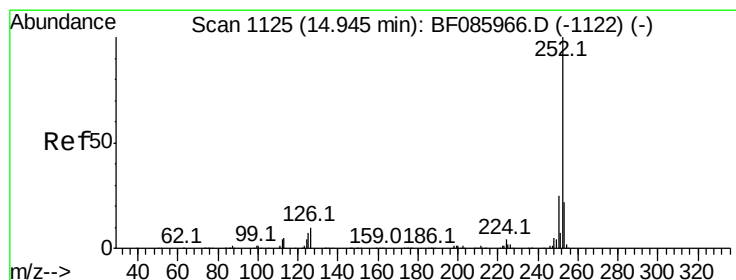
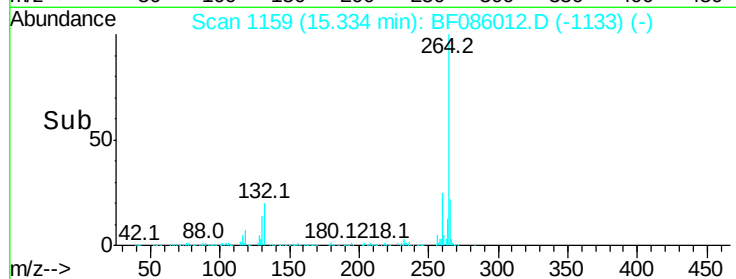
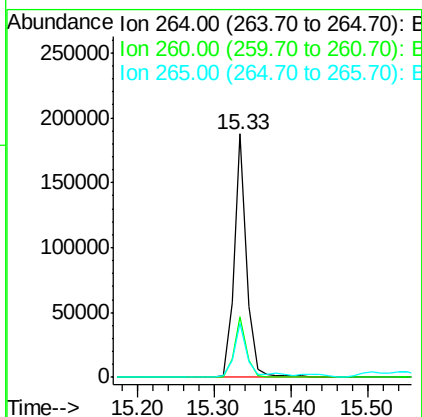
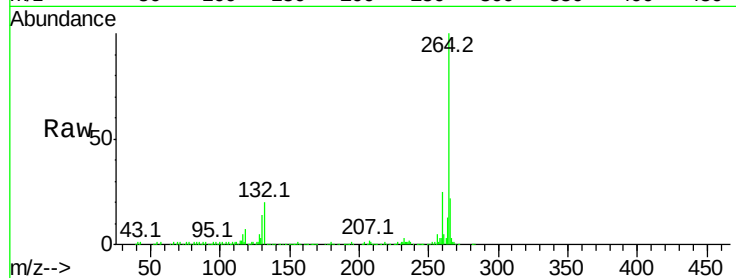
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampled :
BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.3	17.2	25.8

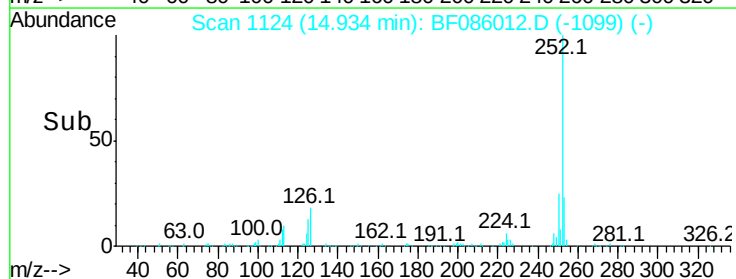
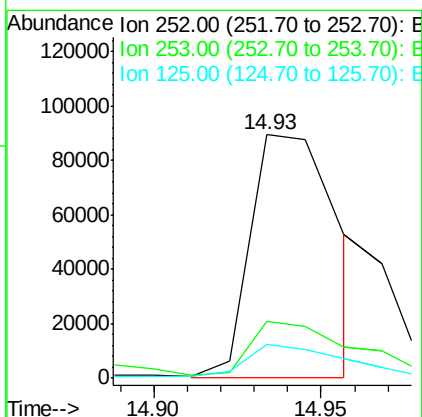
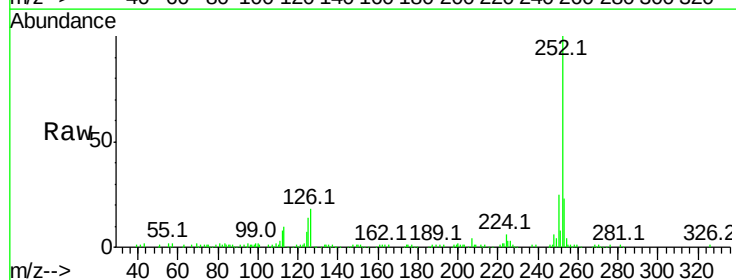
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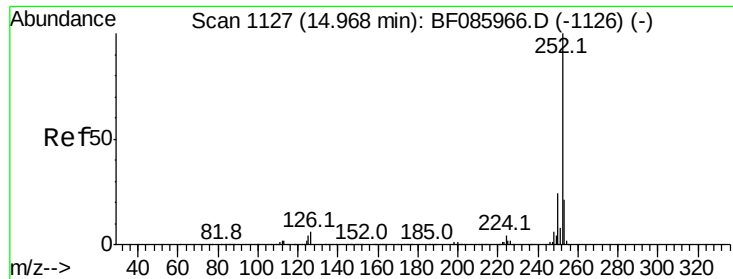
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#87
Benzo(b)fluoranthene
Concen: 11.86 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.1	10.3	15.5





#88

Benzo(k)fluoranthene

Concen: 2.98 ng

RT: 14.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF086012.D

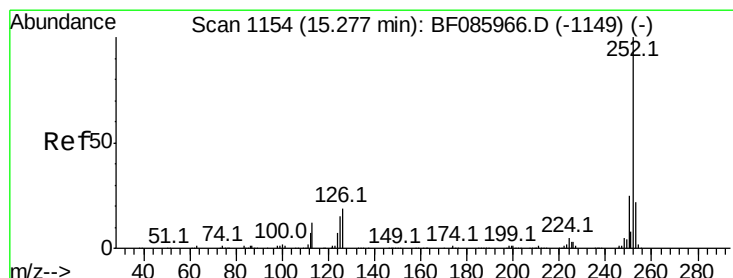
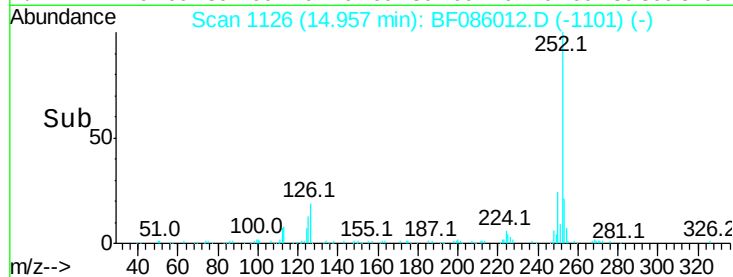
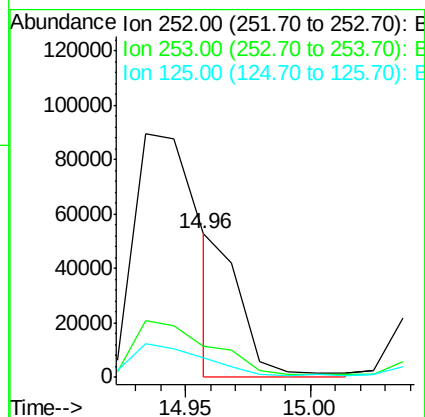
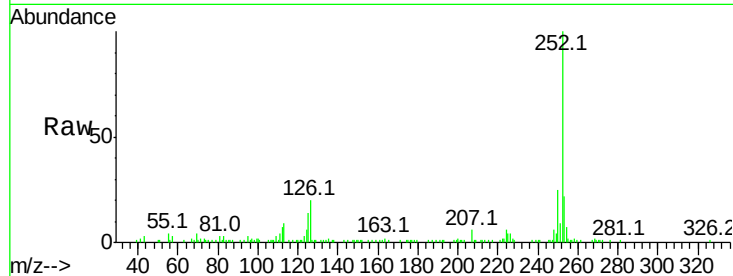
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.7	7.7	11.5

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 8.80 ng

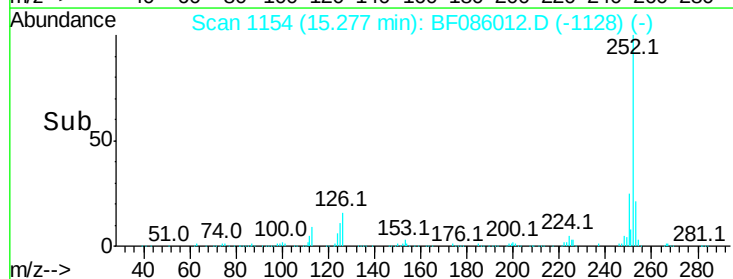
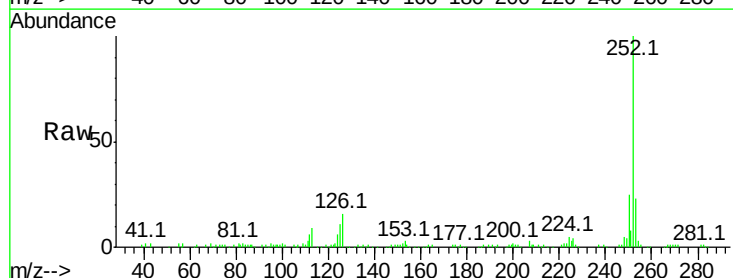
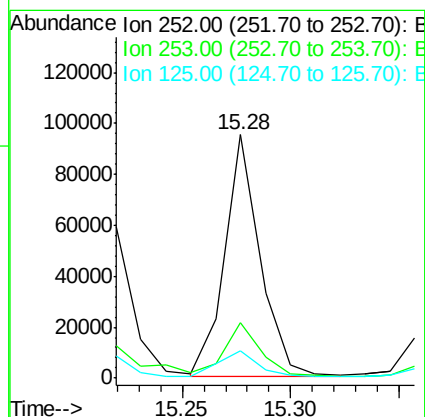
RT: 15.28 min Scan# 1154

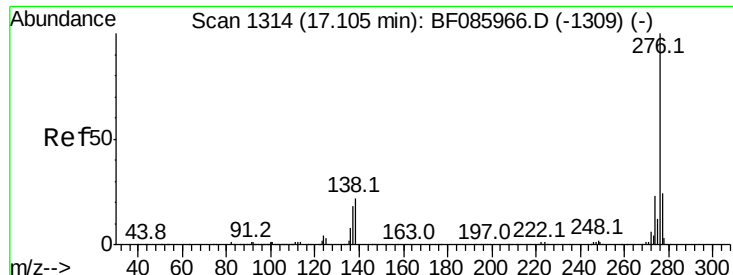
Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	11.0	10.3	15.5





#91
 Benzo(a,h,i)perylene
 Concen: 5.87 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Tot Ion:	276	Resp:	55312
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	26.6	22.6	34.0

Manual Integrations
 APPROVED

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