

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF086013.D
 Acq On : 2 Apr 2016 15:56
 Operator : UM/SJ
 Sample : H2055-15
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-15(0-4)

Manual Integrations
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 4/4/2016 7:40:59 PM

Quant Time: Apr 04 02:36:41 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	114248	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	435351	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	197706	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	370954	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	262493	20.00	ng	0.00
86) Perylene-d12	15.33	264	230780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	709408	106.14	ng	0.00
7) Phenol-d6	6.42	99	1019097	120.04	ng	0.00
23) Nitrobenzene-d5	7.34	82	607496	82.29	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	244833	131.94	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	854042	71.82	ng	0.00
78) Terphenyl-d14	12.88	244	730197	65.39	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.53	163	145080	9.90	ng	99
74) Fluoranthene	12.50	202	85461	4.06	ng	96
77) Pyrene	12.73	202	77483	4.19	ng	99
80) Benzo(a)anthracene	13.92	228	39457	2.55	ng	98
87) Benzo(b)fluoranthene	14.93	252	42422m	2.92	ng	
89) Benzo(a)pyrene	15.28	252	28692	2.23	ng	98

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

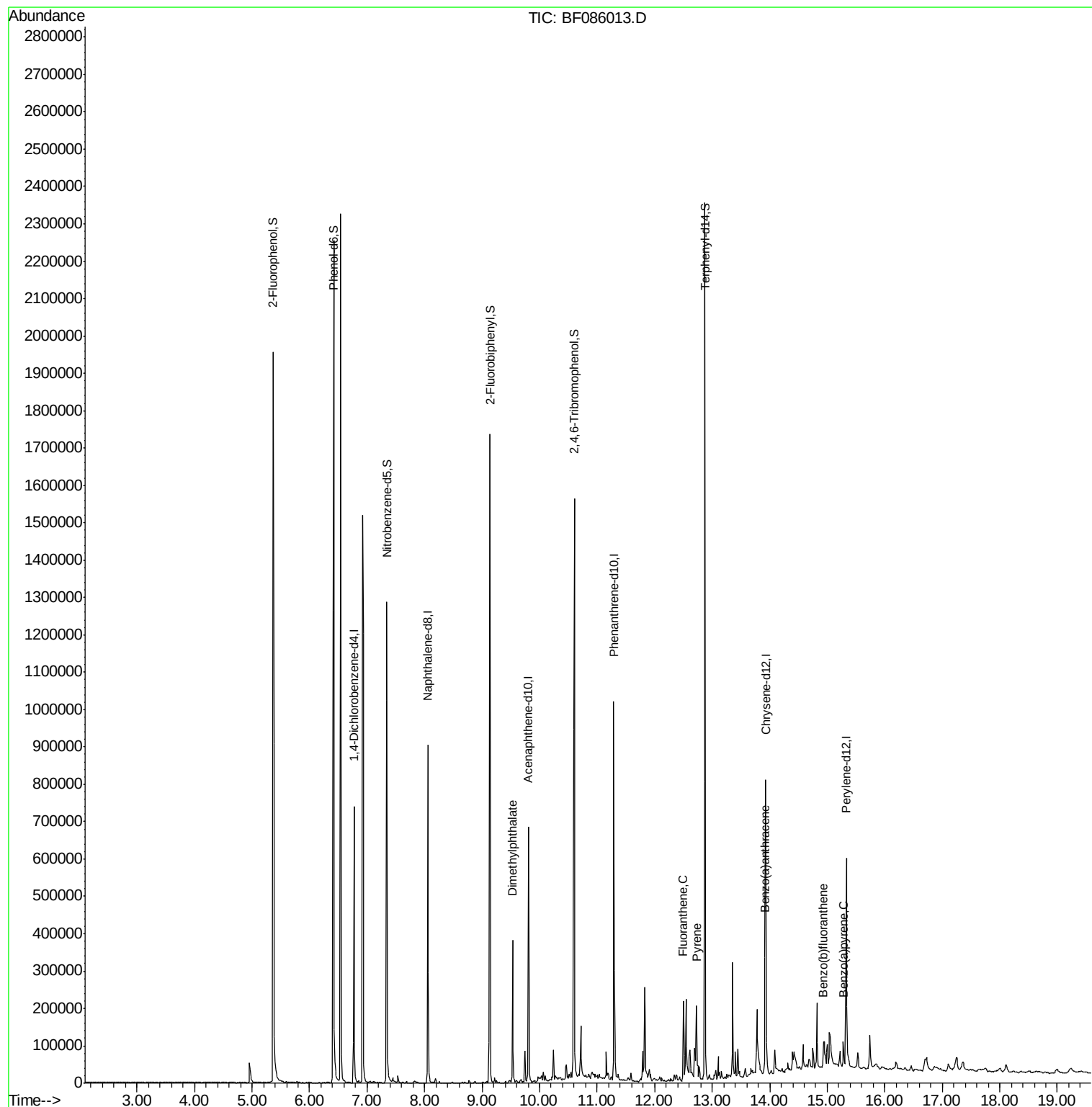
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
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Operator : UM/SJ
Sample : H2055-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

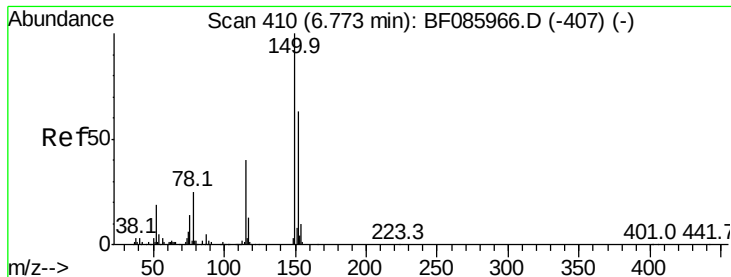
Instrument :
BNA_F
ClientSampleId :
BH-15(0-4)

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#1

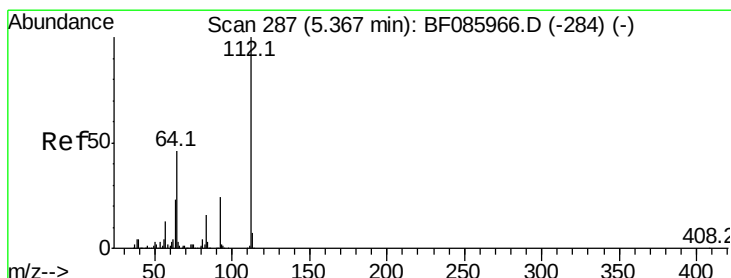
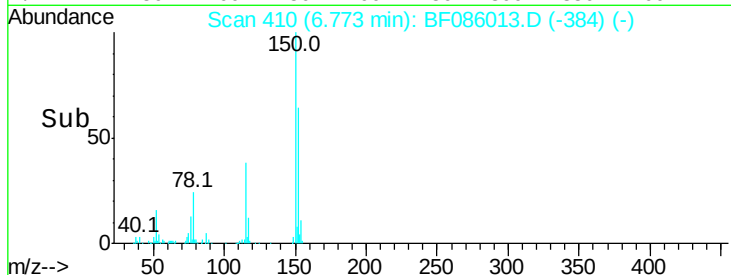
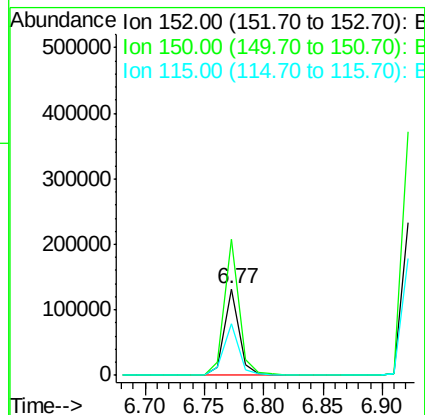
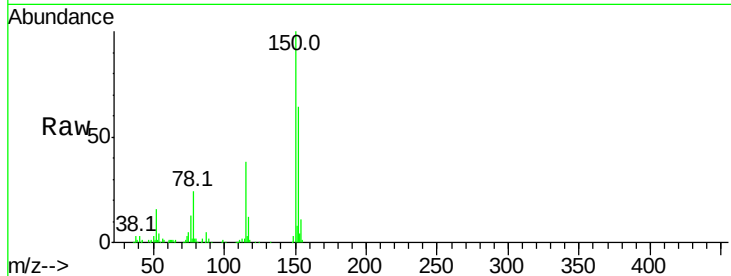
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Instrument :
BNA_F
ClientSampled :
BH-15(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	59.8	47.0	70.6

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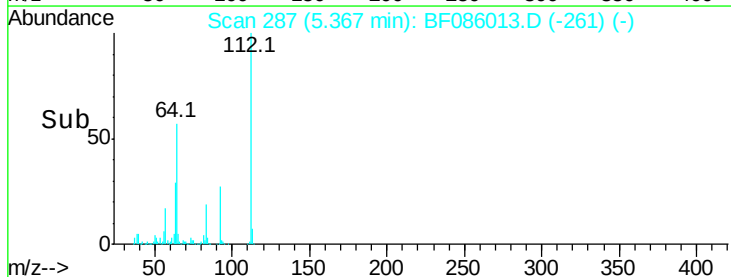
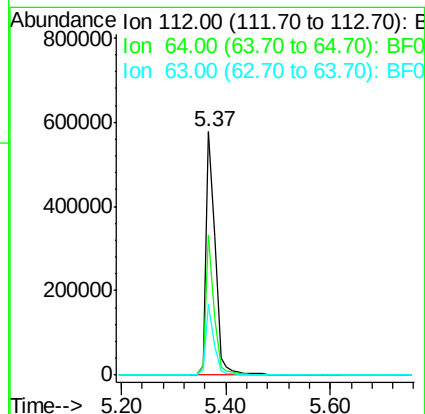
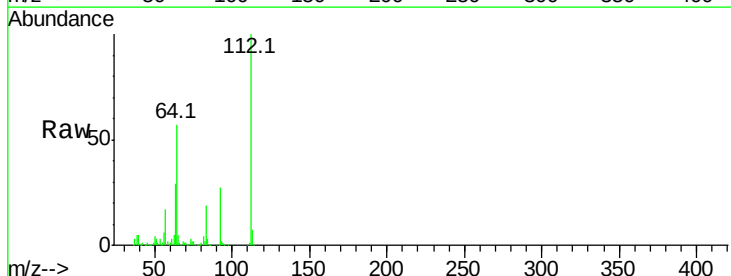
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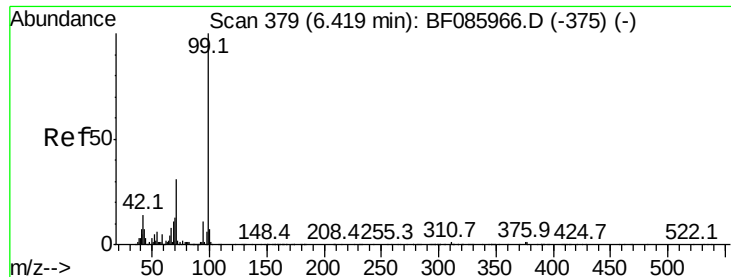


#5

2-Fluorophenol
Concen: 106.14 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.00 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	39.9	59.9
63	29.3	20.2	30.2





#7

Phenol-d6

Concen: 120.04 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Instrument :

BNA_F

ClientSampleId :

BH-15(0-4)

Tot Ion: 99 Resp: 1019097

Ion Ratio Lower Upper

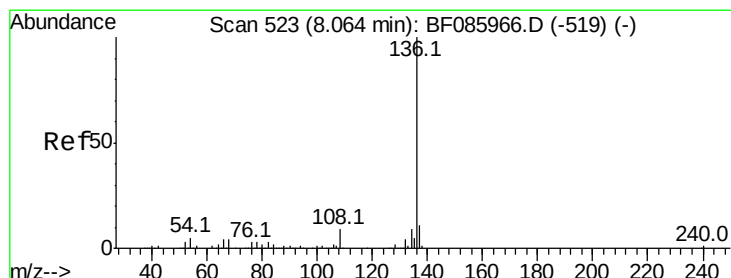
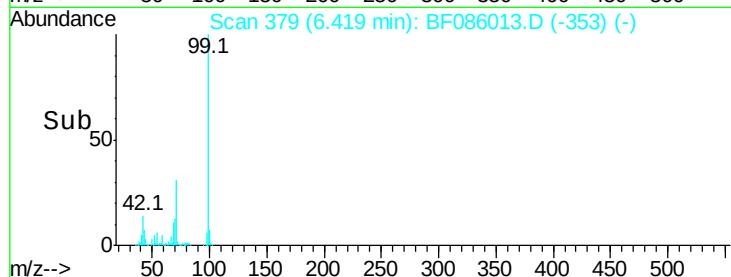
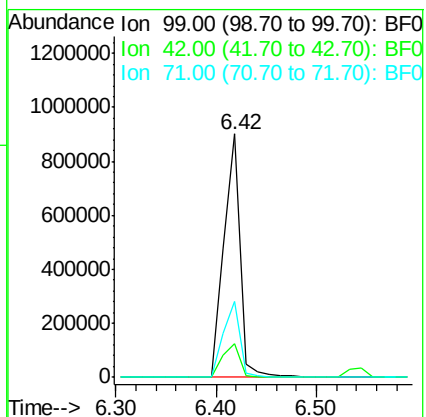
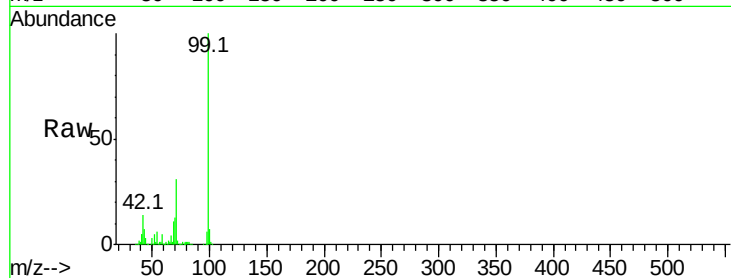
99 100

42 13.7 11.1 16.7

71 31.4 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: BF086013.D

Acq: 2 Apr 2016 15:56

Tgt Ion: 136 Resp: 435351

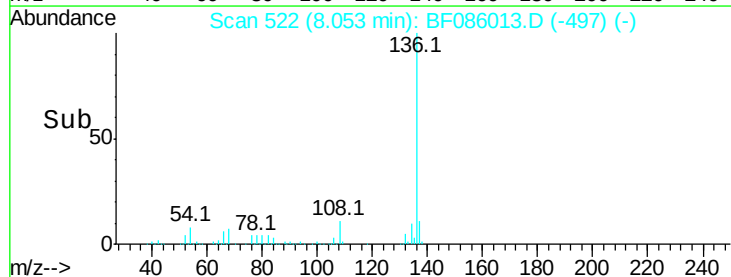
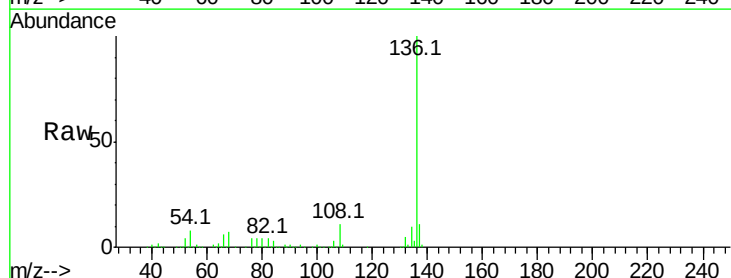
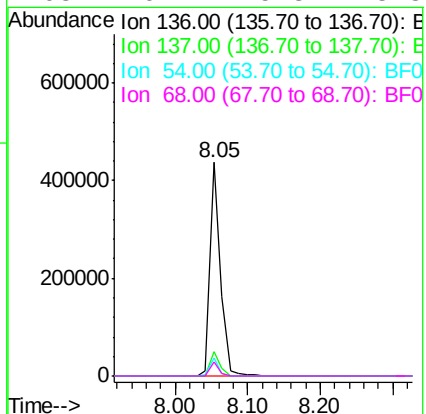
Ion Ratio Lower Upper

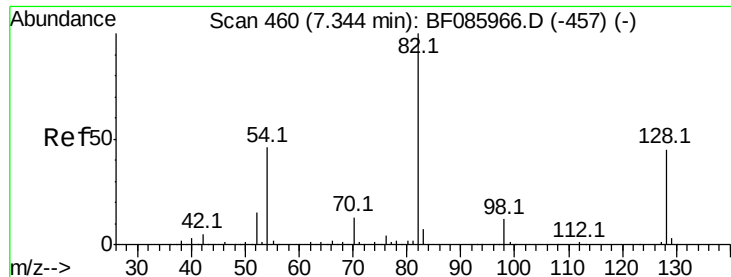
136 100

137 11.4 9.1 13.7

54 8.2 7.4 11.0

68 6.7 5.8 8.8





#23

Nitrobenzene-d5

Concen: 82.29 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Instrument :

BNA_F

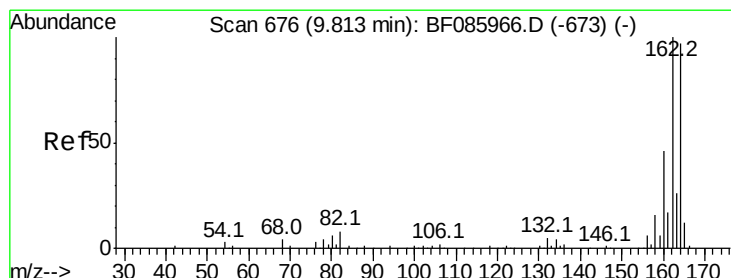
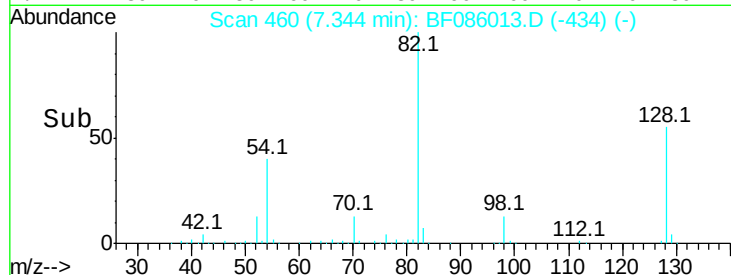
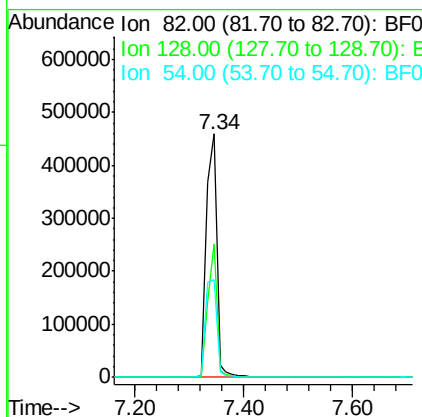
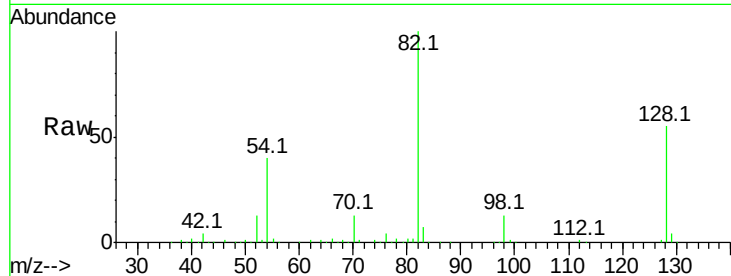
ClientSampleId :

BH-15(0-4)

Tot Ion:	82	Resp:	607496
Ion Ratio	Lower	Upper	
82	100		
128	54.8	41.8	62.8
54	40.0	33.4	50.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

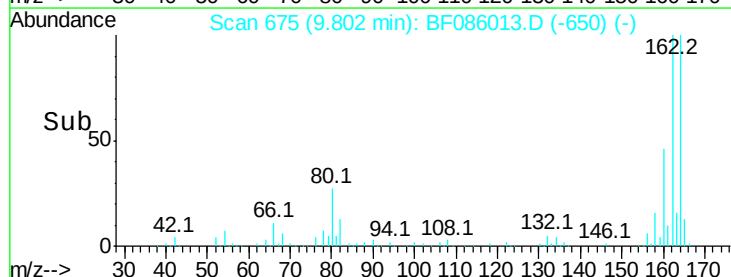
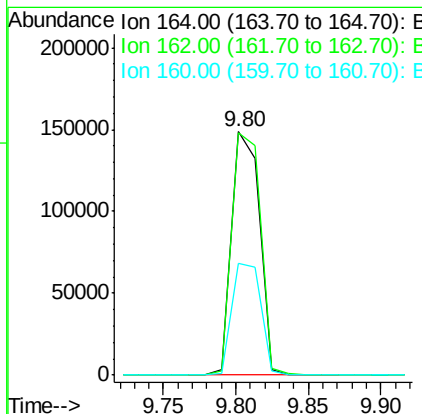
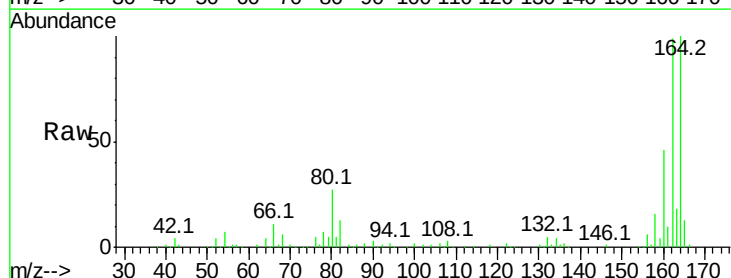
RT: 9.80 min Scan# 675

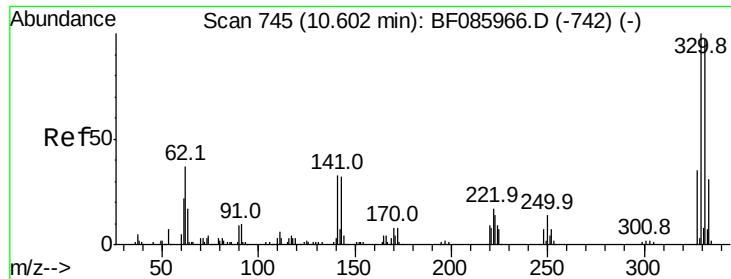
Delta R.T. -0.01 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Tgt Ion:	164	Resp:	197706
Ion Ratio	Lower	Upper	
164	100		
162	99.4	82.1	123.1
160	45.8	37.4	56.2





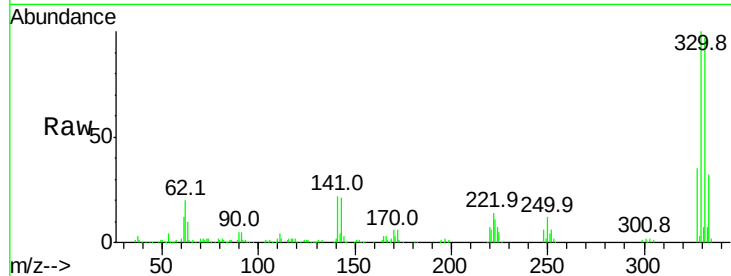
#41
 2,4,6-Tribromophenol
 Concen: 131.94 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: BF086013.D
 Acq: 2 Apr 2016 15:56

Instrument :
 BNA_F
 ClientSampleId :
 BH-15(0-4)

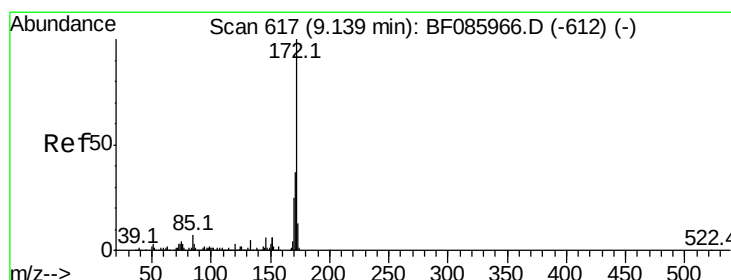
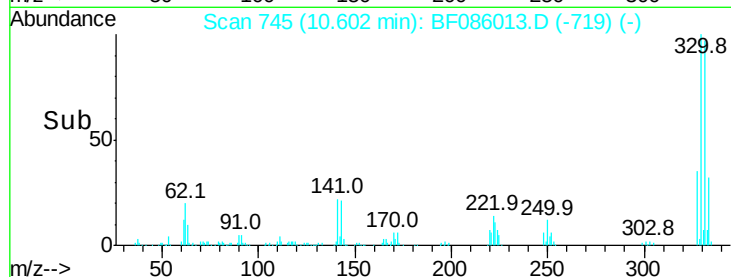
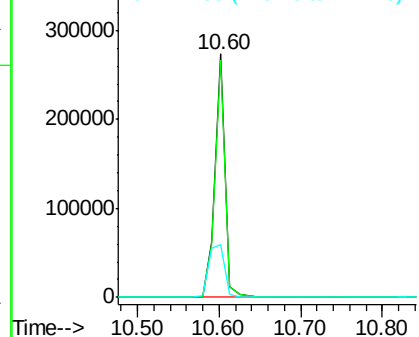
Tot Ion	Ratio	Resp	Lower	Upper
330	100	244833		
332	96.8	78.2	117.2	
141	34.2	31.5	47.3	

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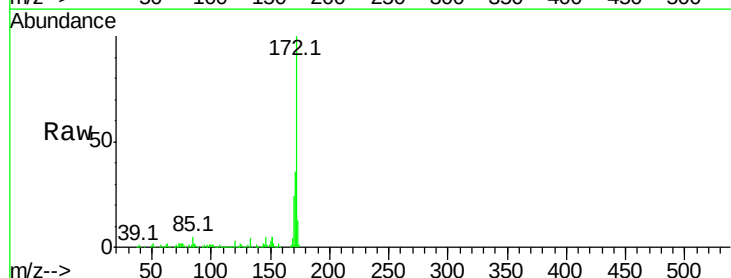


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

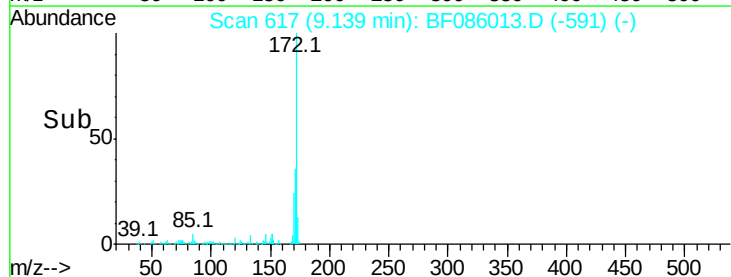
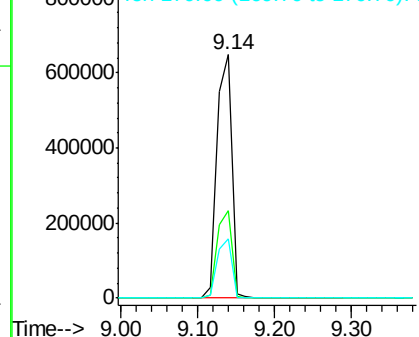


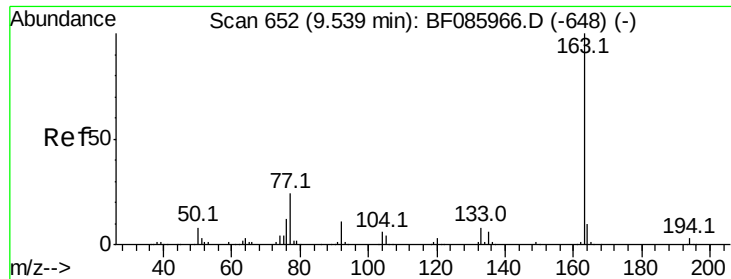
#44
 2-Fluorobiphenyl
 Concen: 71.82 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF086013.D
 Acq: 2 Apr 2016 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	854042		
171	35.7	29.4	44.2	
170	24.2	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





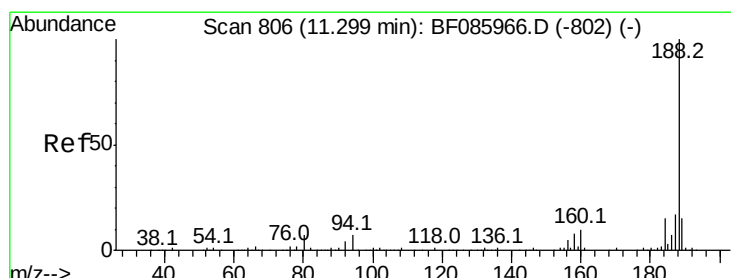
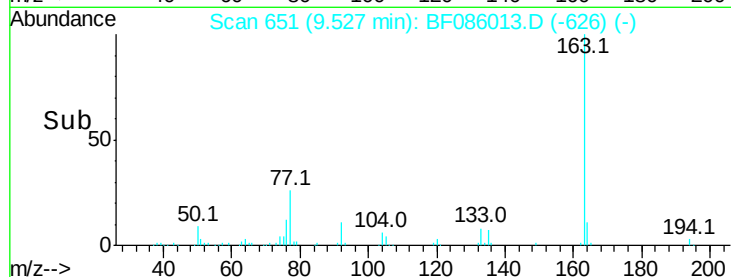
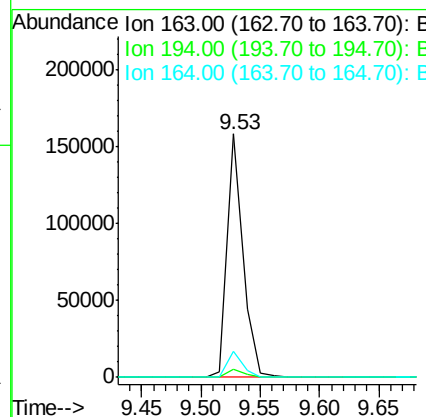
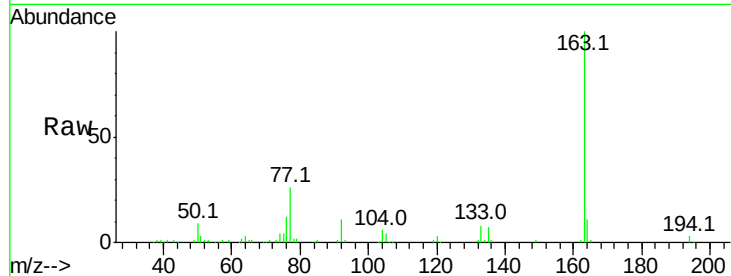
#49
Dimethylphthalate
Concen: 9.90 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Instrument :
BNA_F
ClientSampleId :
BH-15(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.9	4.3	
164	10.8	8.3	12.5	

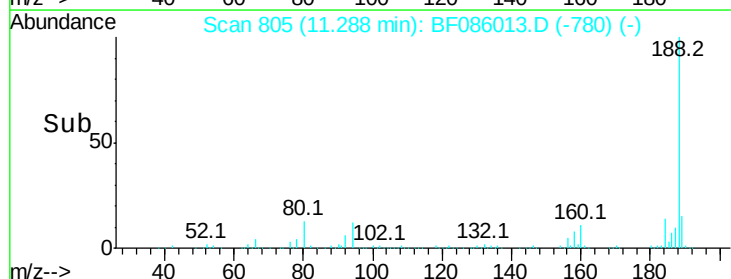
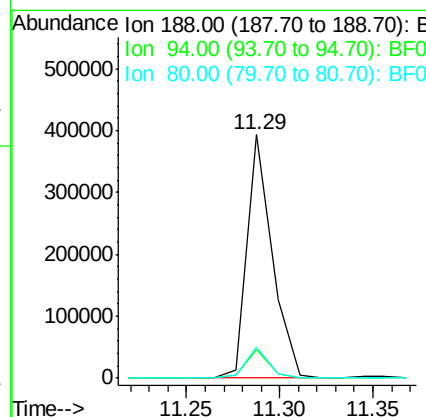
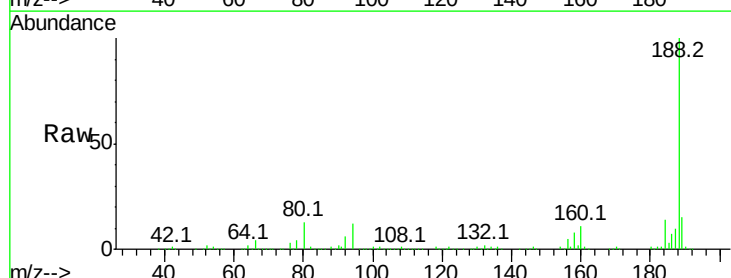
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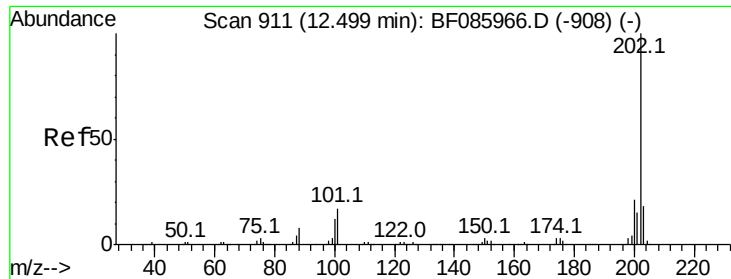
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.9	5.4	8.0#	
80	12.7	5.5	8.3#	





#74

Fluoranthene

Concen: 4.06 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Instrument :

BNA_F

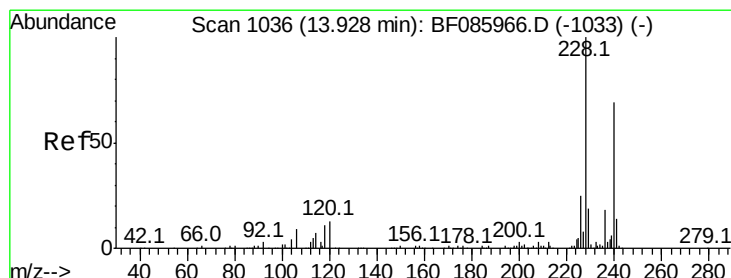
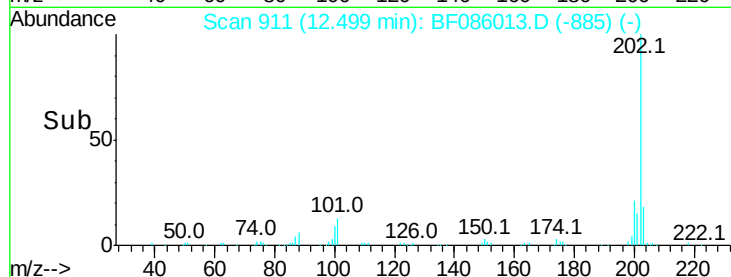
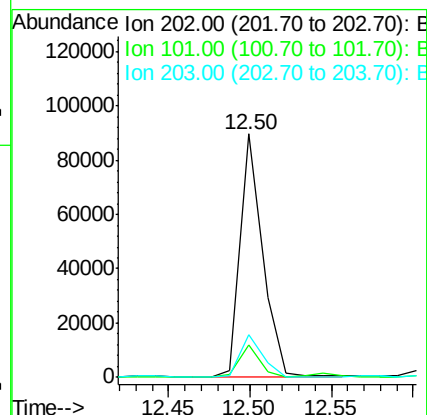
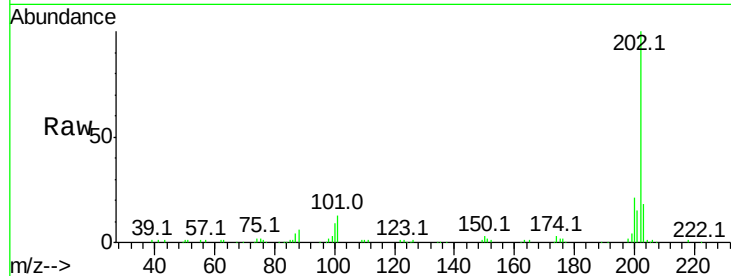
ClientSampleId :

BH-15(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	85461		
101	13.4	0.0	36.6	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

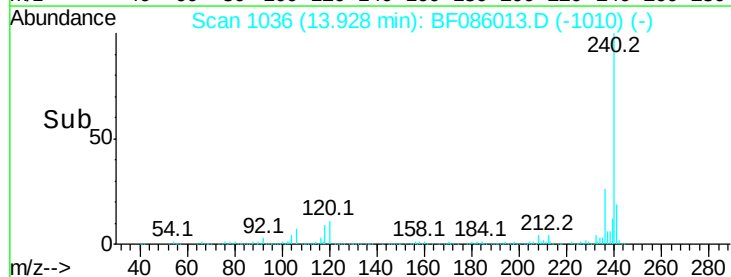
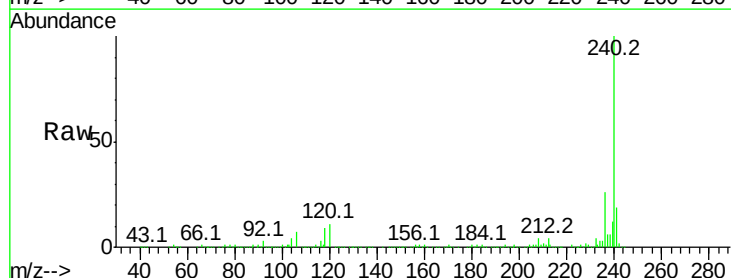
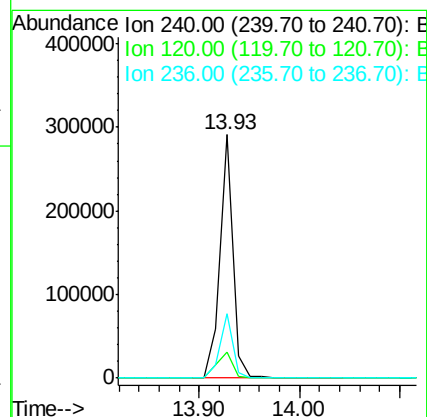
RT: 13.93 min Scan# 1036

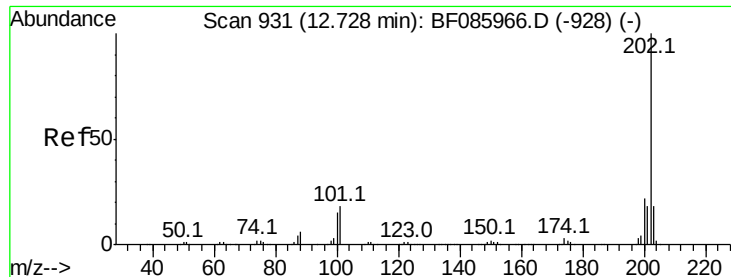
Delta R.T. -0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	262493		
120	10.8	13.8	20.8#	
236	26.3	20.6	30.8	





#77

Pvrene

Concen: 4.19 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Instrument :

BNA_F

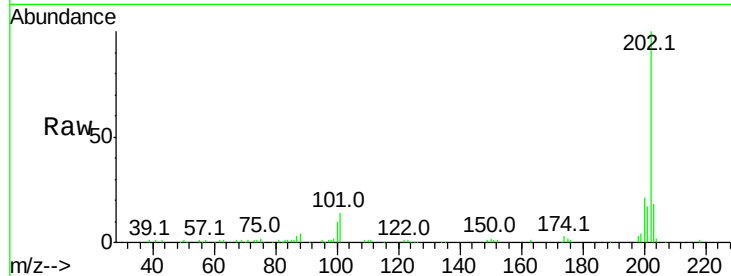
ClientSampleId :

BH-15(0-4)

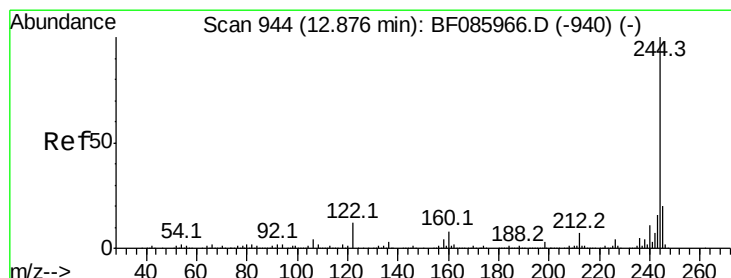
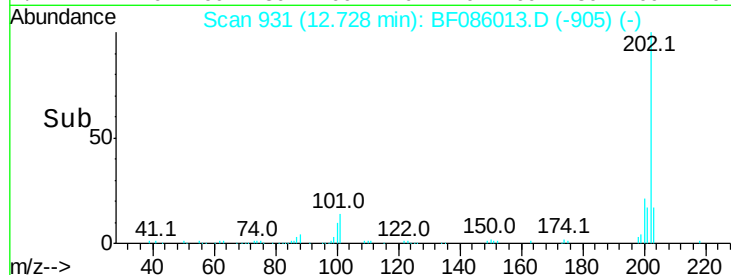
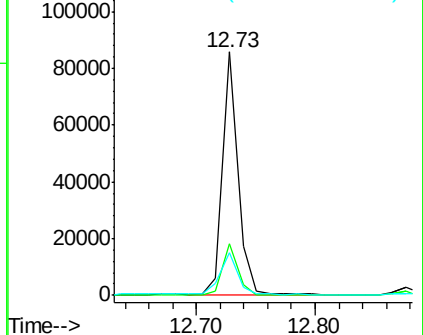
Tot Ion:	202	Resp:	77483
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	17.6	14.0	21.0

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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: 65.39 ng

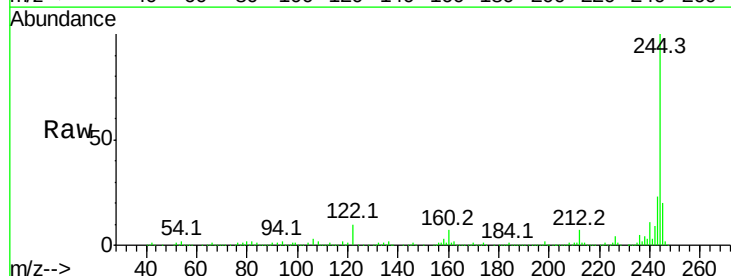
RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

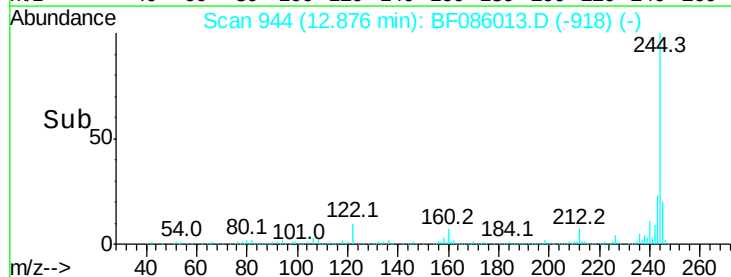
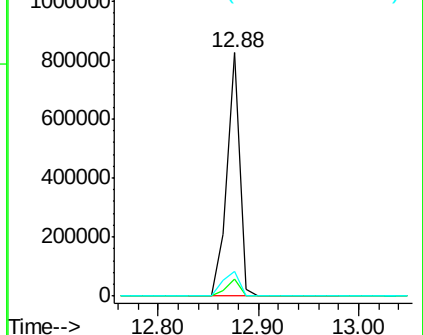
Lab File: BF086013.D

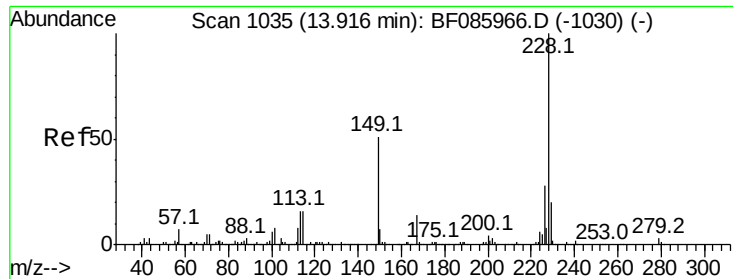
Acq: 2 Apr 2016 15:56

Tgt Ion:	244	Resp:	730197
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.1	9.1
122	10.1	10.2	15.4#



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





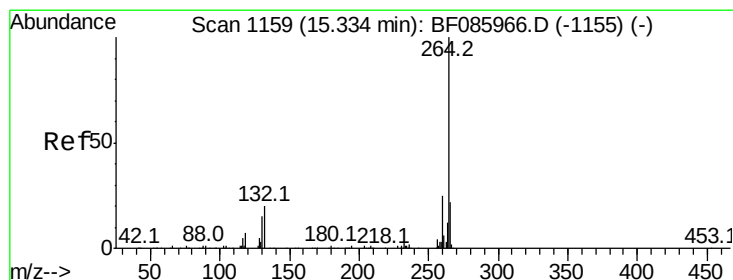
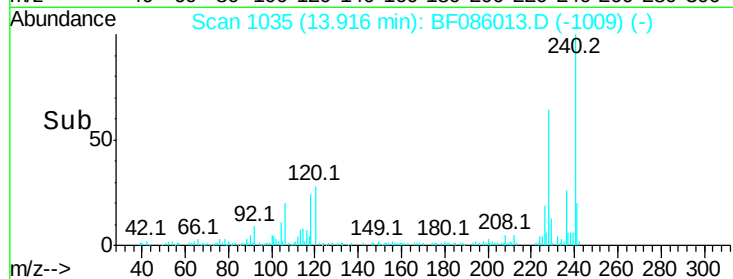
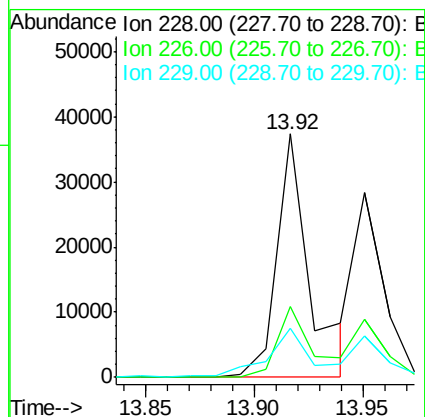
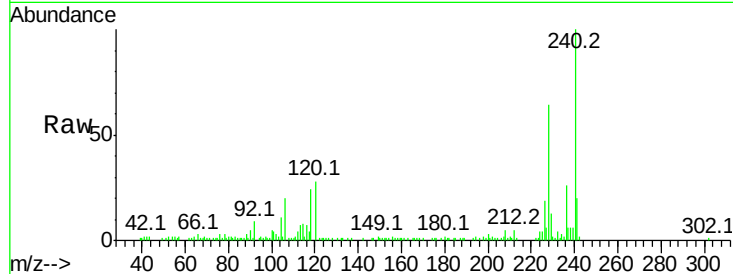
#80
Benzo(a)anthracene
Concen: 2.55 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Instrument :
BNA_F
ClientSampleId :
BH-15(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	19.9	16.2	24.4

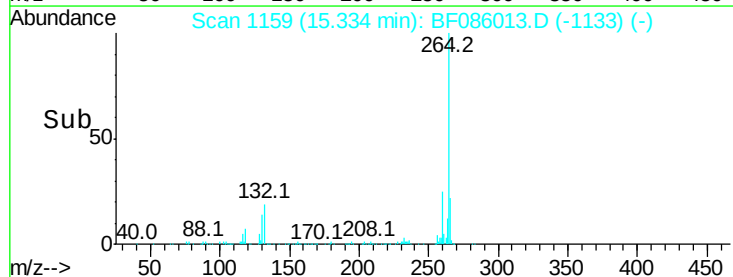
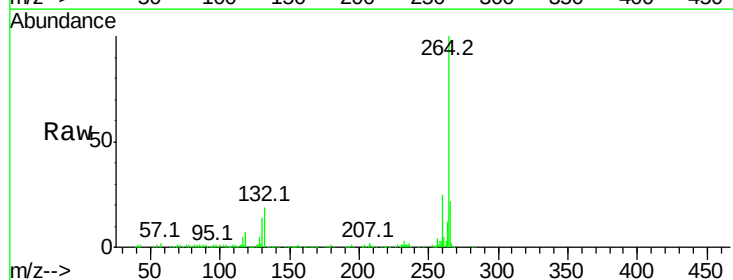
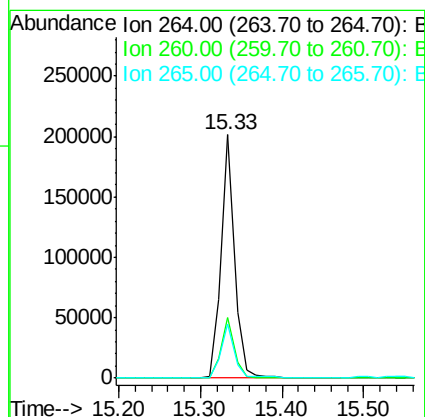
Manual Integrations
APPROVED

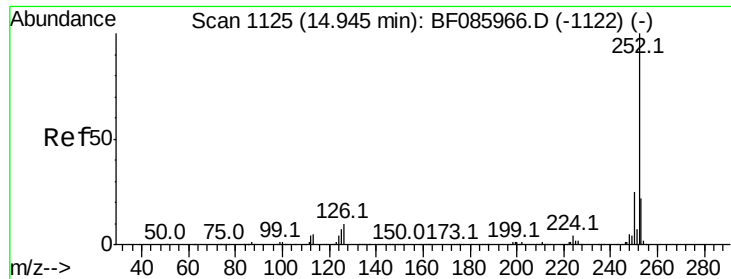
Sohil
4/4/2016 7:40:59 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF086013.D
Acq: 2 Apr 2016 15:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.92 ng/mL

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Instrument :

BNA_F

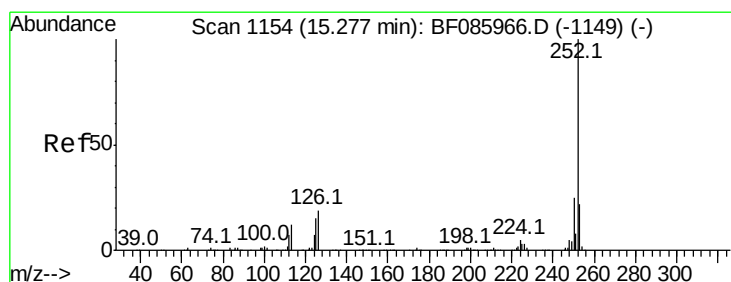
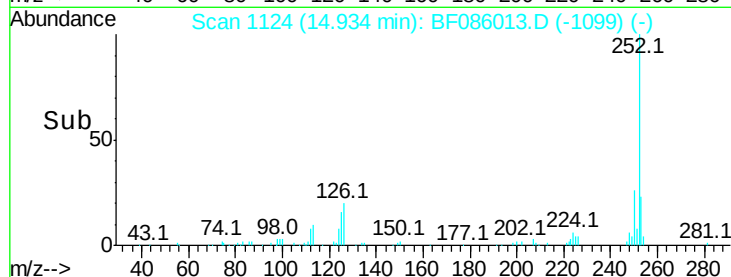
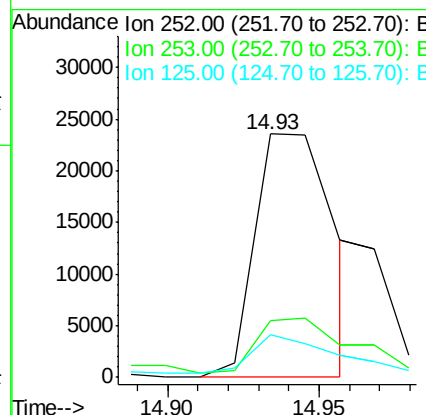
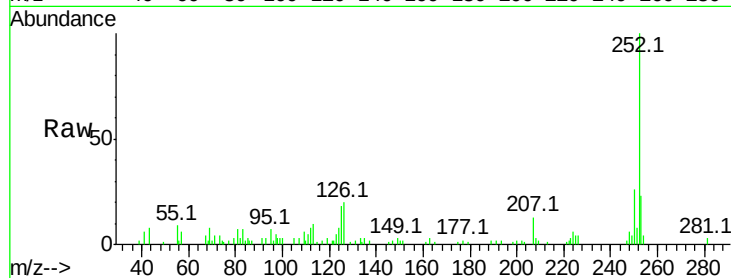
ClientSampleId :

BH-15(0-4)

Tot Ion:	252	Resp:	42422
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.6	26.4
125	17.7	10.3	15.5#

Manual Integrations
APPROVED

Sohil
4/4/2016 7:40:59 PM



#89

Benzo(a)pyrene

Concen: 2.23 ng/mL

RT: 15.28 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF086013.D

Acq: 2 Apr 2016 15:56

Tgt Ion:	252	Resp:	28692
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	13.0	10.3	15.5

