

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080946.D
 Acq On : 8 Aug 2015 3:09
 Operator : TP/UM
 Sample : G3210-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

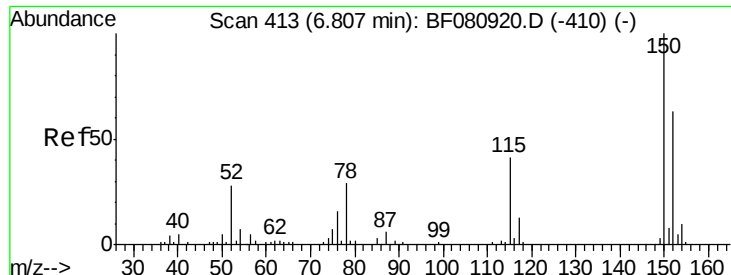
Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:20:25 PM

Quant Time: Aug 08 04:30:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	59126	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	224418	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	111711	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	195790	20.00	ng	0.00
75) Chrysene-d12	13.95	240	124126	20.00	ng	-0.01
86) Perylene-d12	15.37	264	122354	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	482862	133.43	ng	0.03
7) Phenol-d6	6.45	99	622959	125.62	ng	0.01
23) Nitrobenzene-d5	7.38	82	440764	92.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	145185	118.30	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	648597	81.74	ng	0.00
78) Terphenyl-d14	12.91	244	483987	80.54	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	129027	13.90	ng	100
70) Phenanthrene	11.34	178	38019	3.43	ng	98
74) Fluoranthene	12.53	202	116638	9.73	ng	97
77) Pyrene	12.76	202	99564	10.86	ng	98
80) Benzo(a)anthracene	13.94	228	56677	7.23	ng	93
82) Chrysene	13.97	228	39207m	5.22	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	166193	27.02	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	26994	3.78	ng	95
87) Benzo(b)fluoranthene	14.97	252	74210m	8.72	ng	
88) Benzo(k)fluoranthene	14.98	252	18279m	2.46	ng	
89) Benzo(a)pyrene	15.30	252	42703	5.84	ng	# 89
91) Benzo(a,h,i)perylene	17.13	276	24039	3.82	ng	97

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



#1

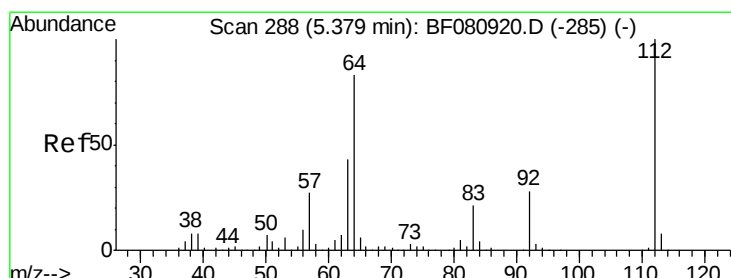
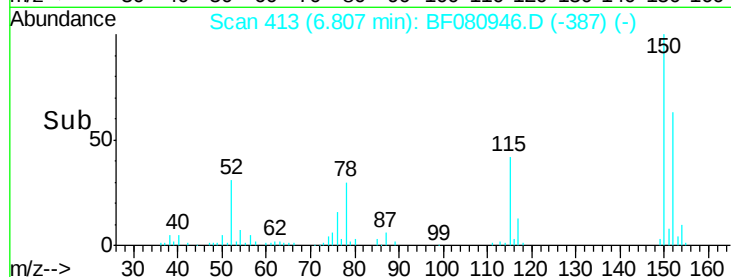
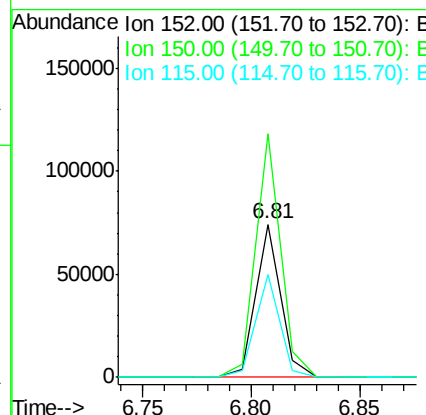
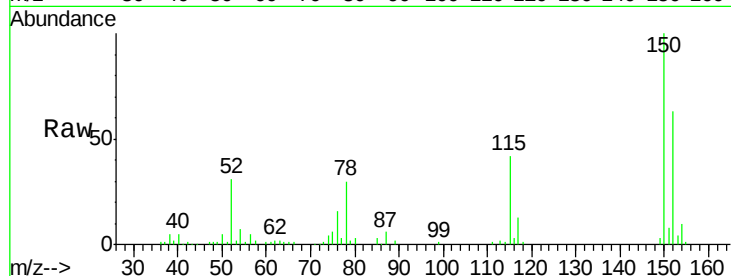
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.4	191.2
115	67.3	52.6	78.8

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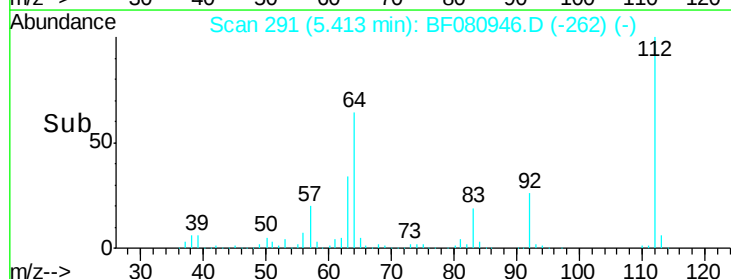
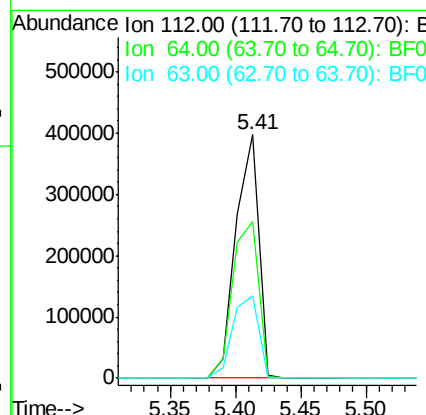
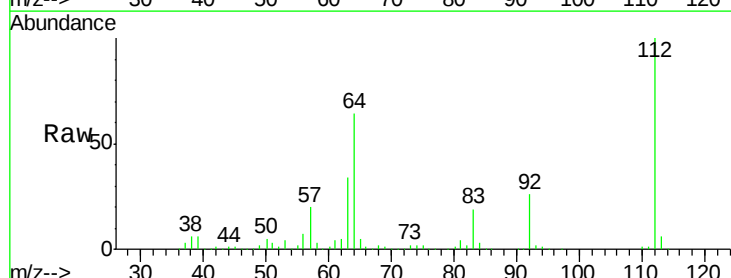
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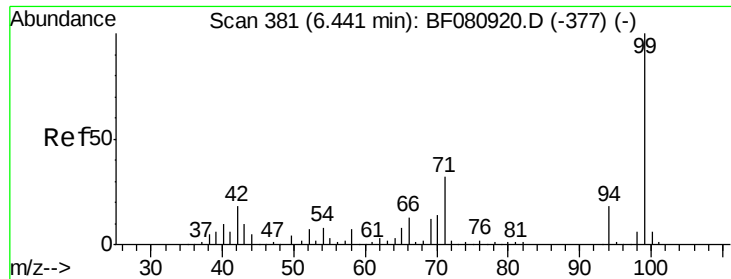


#5

2-Fluorophenol
Concen: 133.43 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	66.1	99.1#
63	33.7	34.6	52.0#





#7

Phenol-d6

Concen: 125.62 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

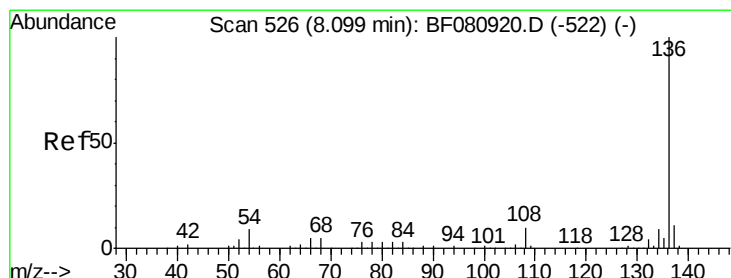
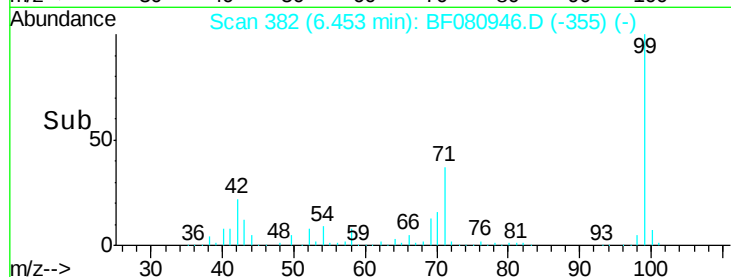
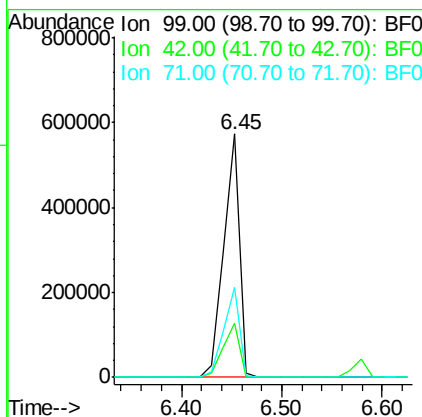
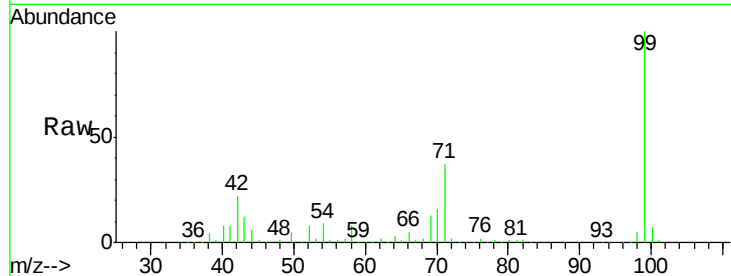
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	99	Resp:	622959
Ion Ratio	Lower	Upper	
99	100		
42	22.5	14.4	21.6#
71	36.9	25.8	38.8

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#21

Naphthalene-d8

Concen: 20.00 ng

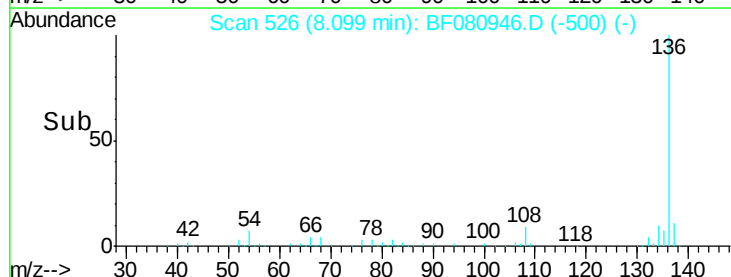
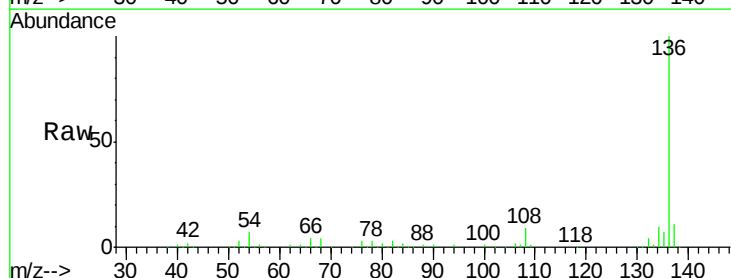
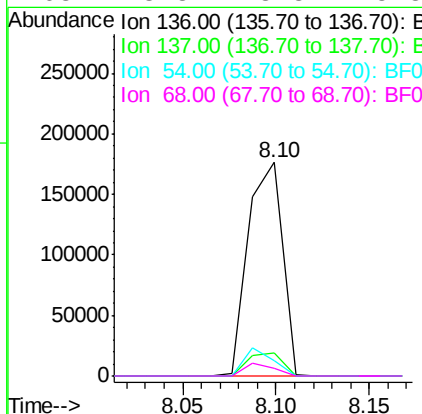
RT: 8.10 min Scan# 526

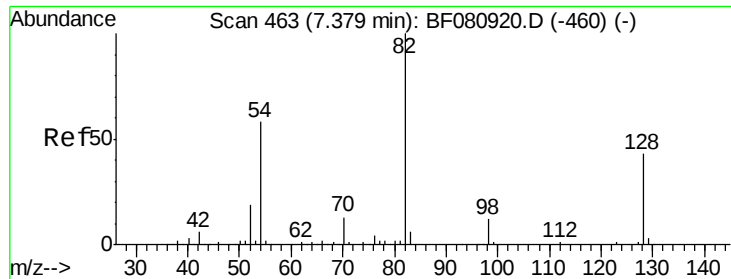
Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	136	Resp:	224418
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	7.2	7.1	10.7
68	3.8	3.8	5.8#





#23

Nitrobenzene-d5

Concen: 92.90 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

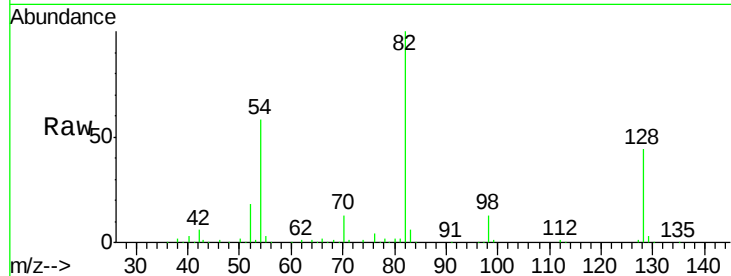
ClientSampleId :

670UNDERCLIFF-1

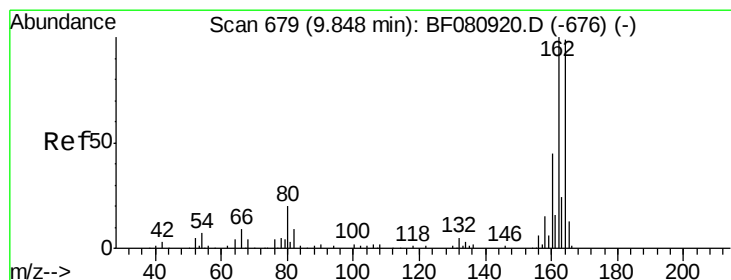
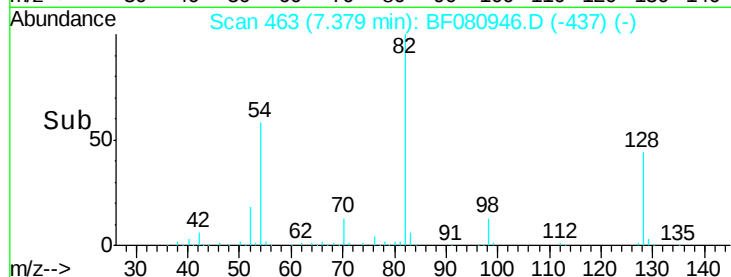
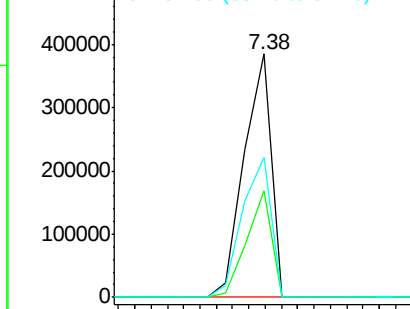
Tot Ion	82	Resp	440764
Ion Ratio	Lower	Upper	
82	100		
128	43.9	34.1	51.1
54	57.6	46.5	69.7

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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

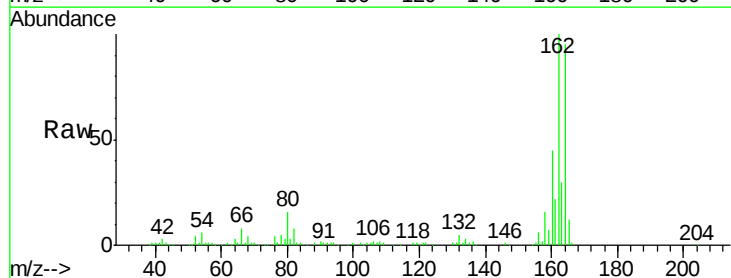
RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

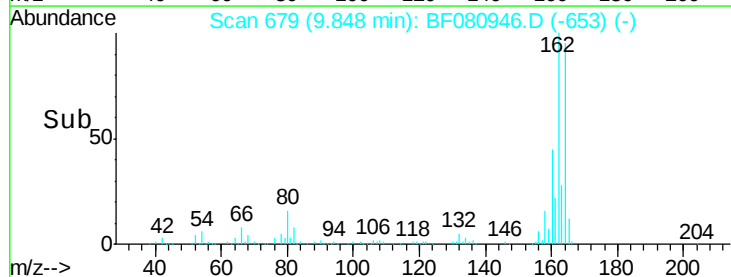
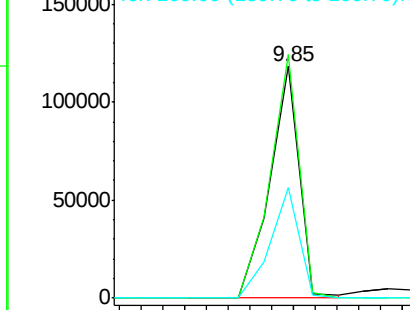
Lab File: BF080946.D

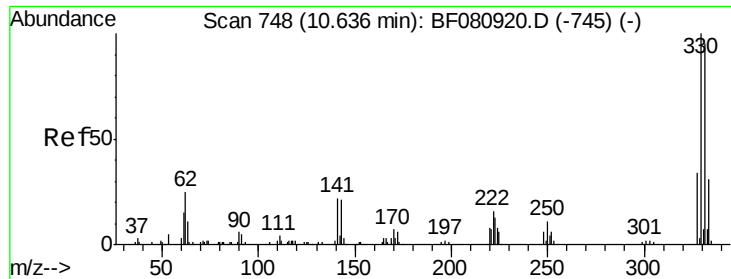
Acq: 8 Aug 2015 3:09

Tgt Ion	164	Resp	111711
Ion Ratio	Lower	Upper	
164	100		
162	105.1	80.5	120.7
160	47.7	36.6	54.8



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





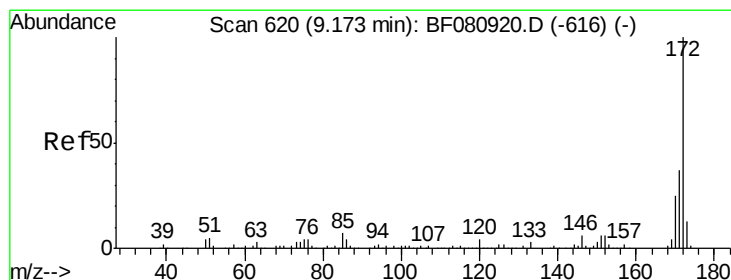
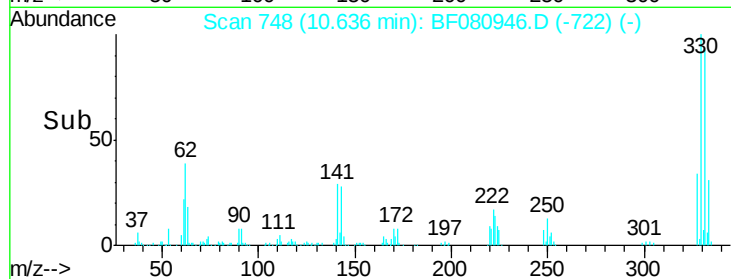
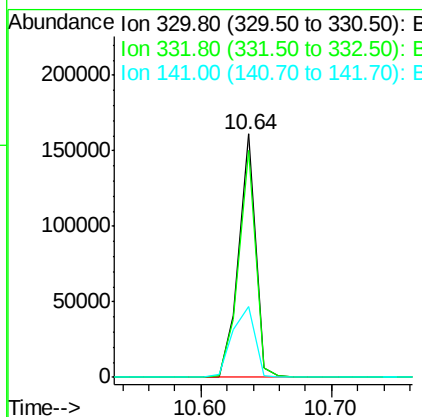
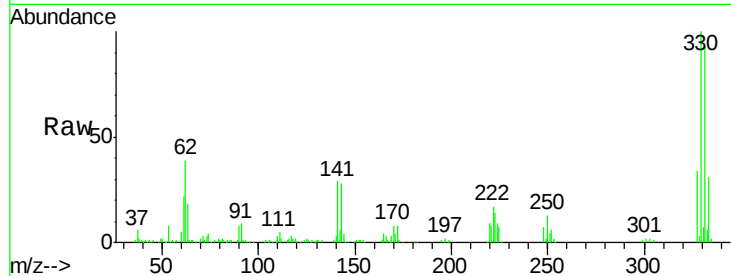
#41
 2,4,6-Tribromophenol
 Concen: 118.30 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	145185		
332	93.5	76.2	114.4	
141	38.7	27.8	41.8	

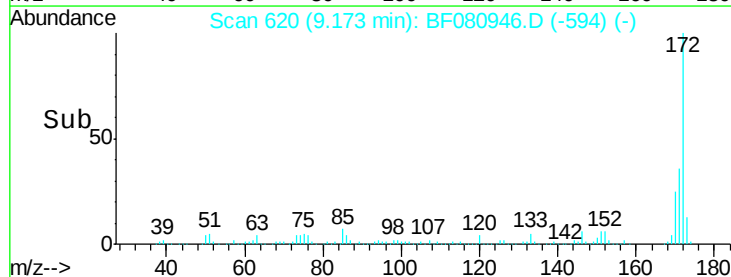
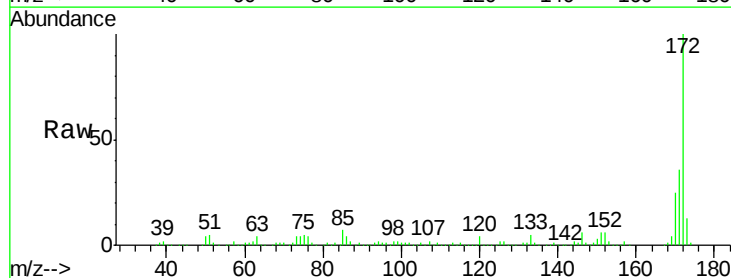
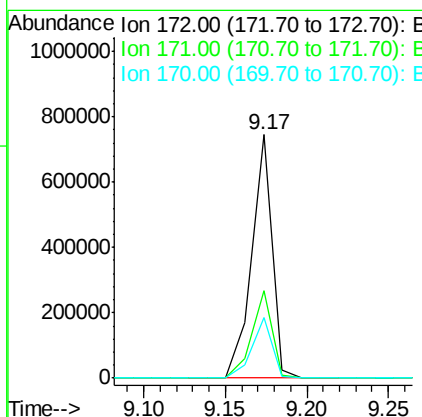
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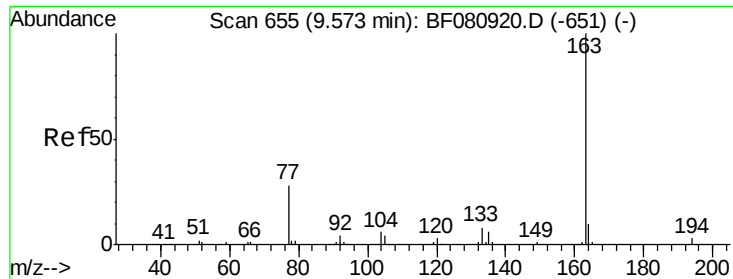
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#44
 2-Fluorobiphenyl
 Concen: 81.74 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080946.D
 Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	648597		
171	36.1	29.4	44.0	
170	24.9	19.7	29.5	





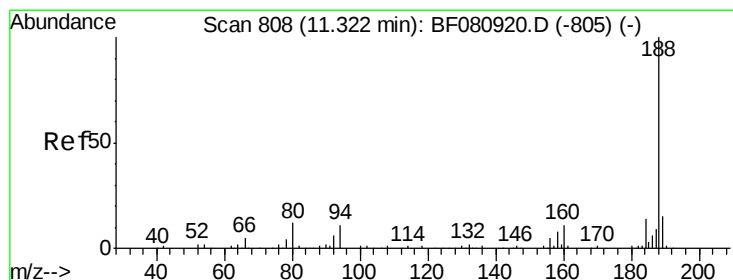
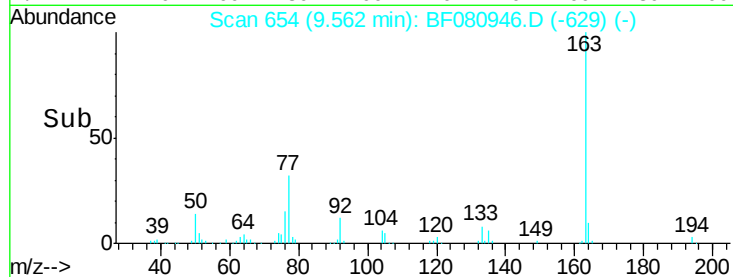
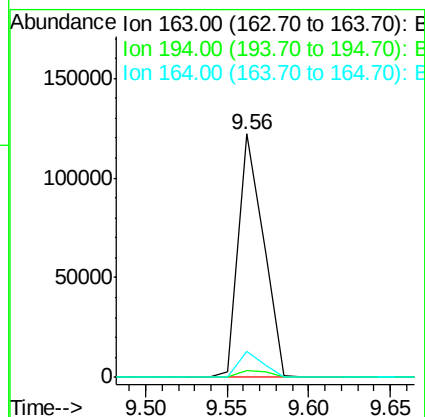
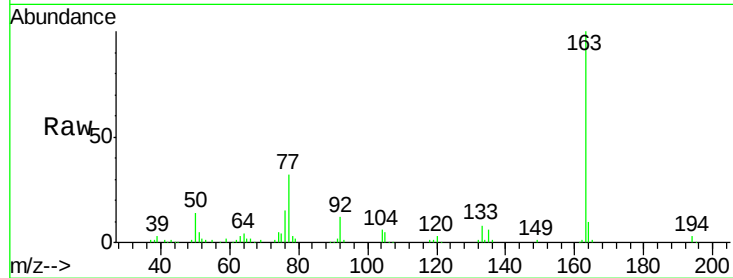
#49
Dimethylphthalate
Concen: 13.90 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	129027		
194	2.8		2.4	3.6
164	10.4		8.2	12.4

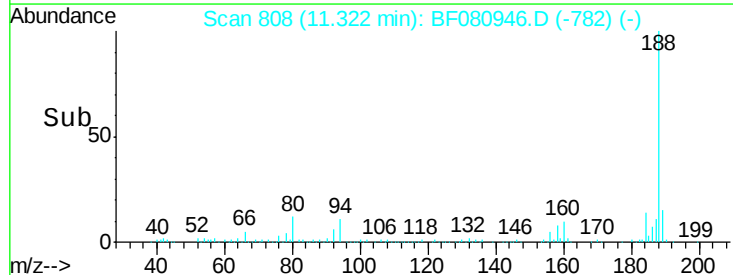
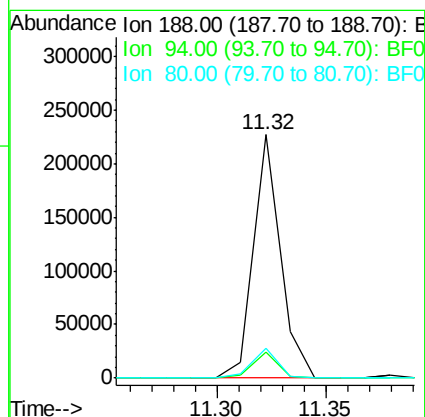
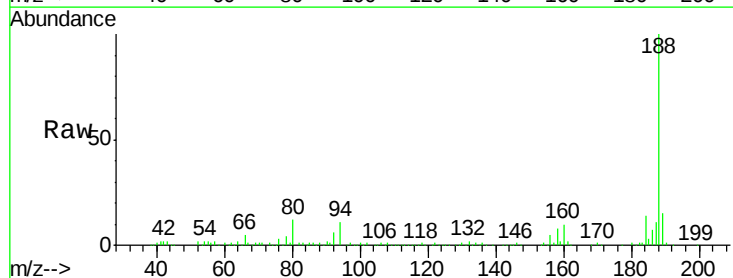
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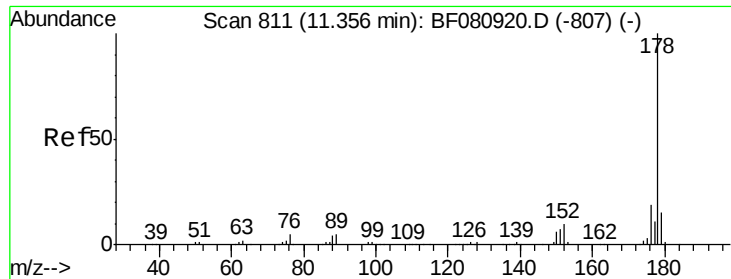
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	195790		
94	10.5		8.8	13.2
80	12.0		9.5	14.3





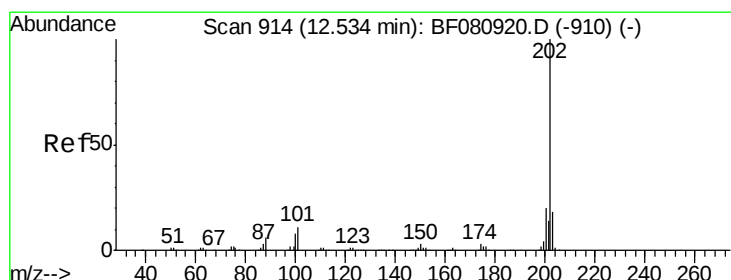
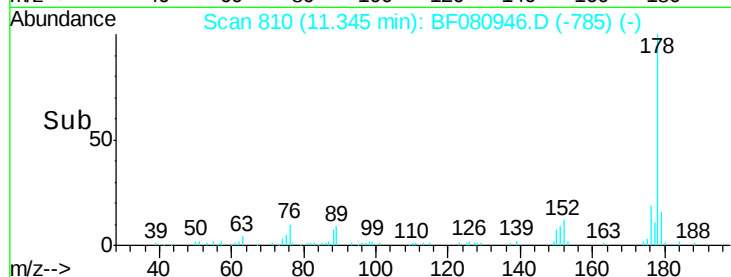
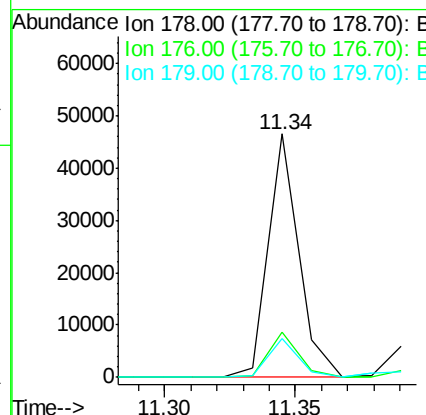
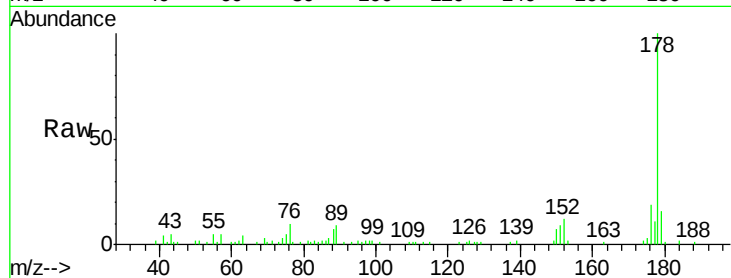
#70
Phenanthrene
Concen: 3.43 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.0	11.9	17.9

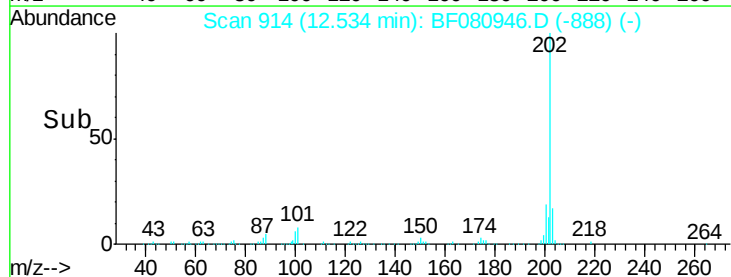
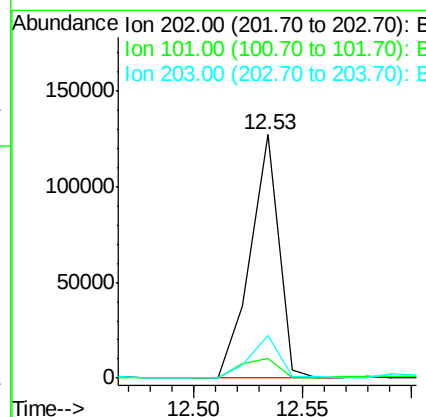
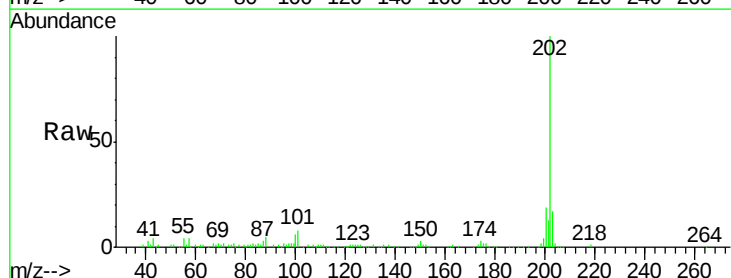
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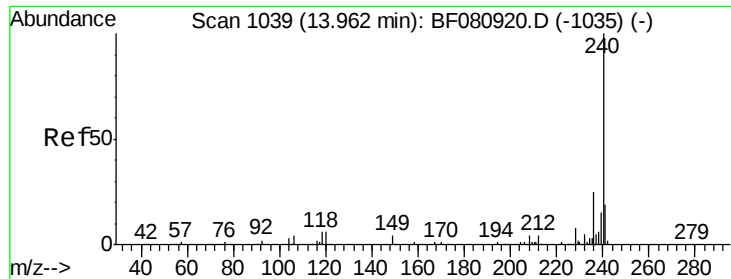
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#74
Fluoranthene
Concen: 9.73 ng
RT: 12.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	30.5
203	17.4	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

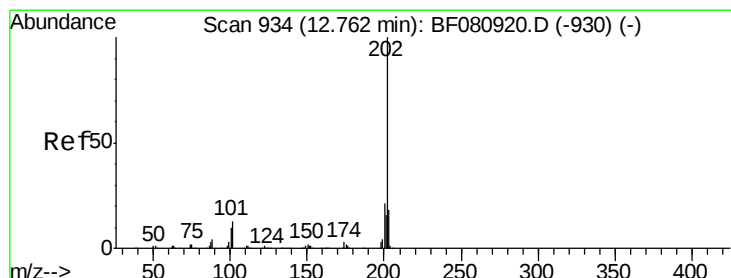
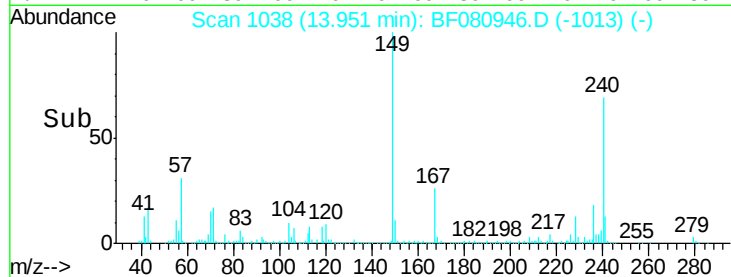
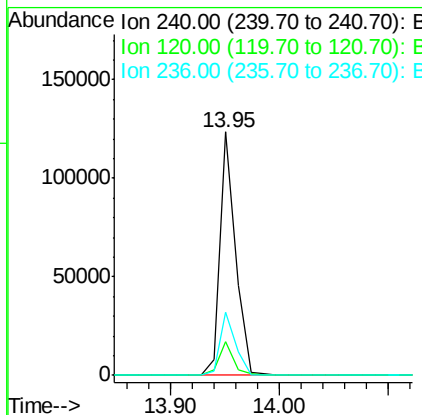
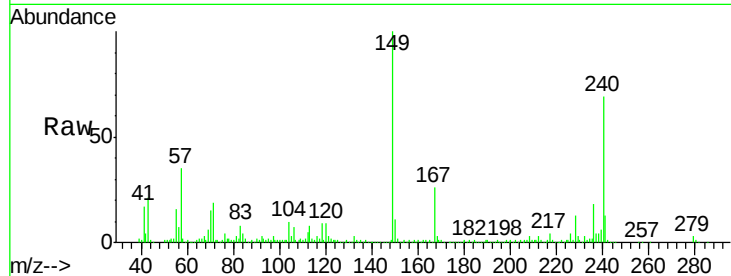
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	240	Resp:	124126
Ion Ratio	Lower	Upper	
240	100		
120	13.7	5.2	7.8#
236	25.7	20.2	30.4

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#77

Pyrene

Concen: 10.86 ng

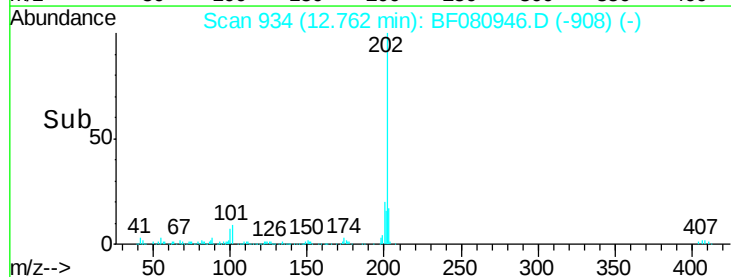
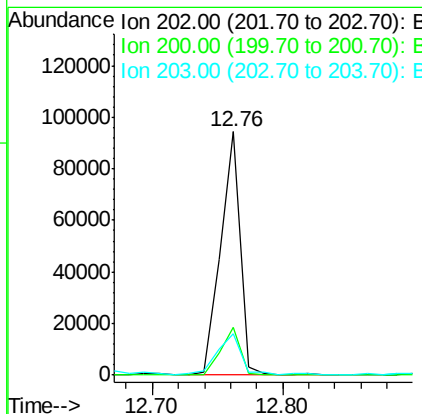
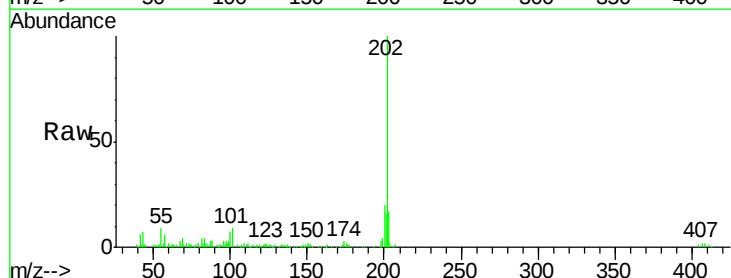
RT: 12.76 min Scan# 934

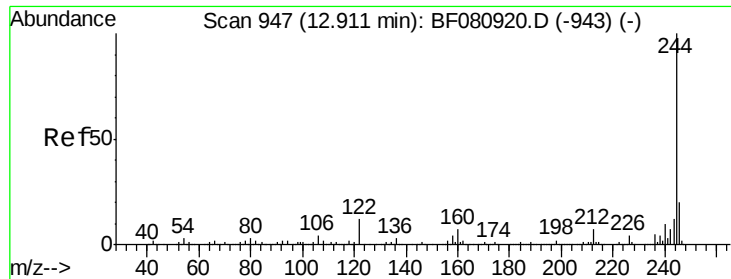
Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	202	Resp:	99564
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.6	24.8
203	17.1	14.2	21.2





#78

Terphenyl-d14

Concen: 80.54 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

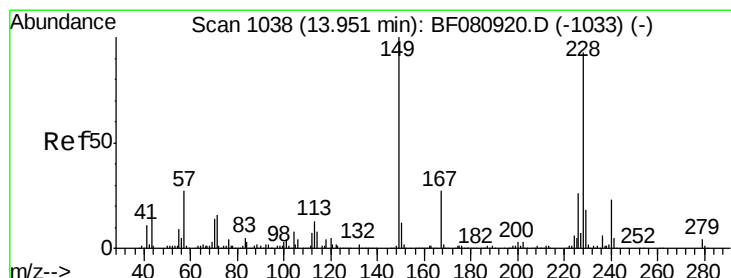
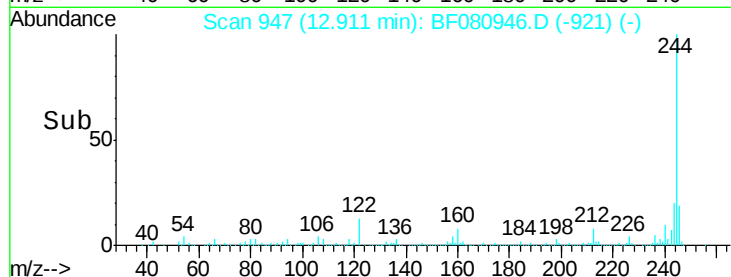
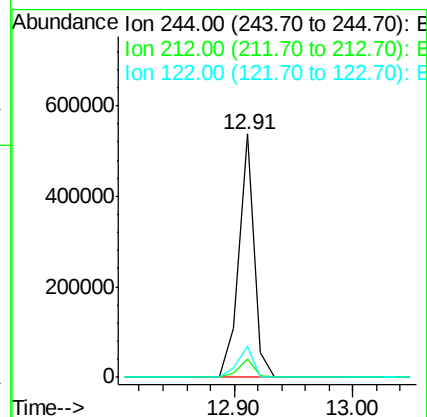
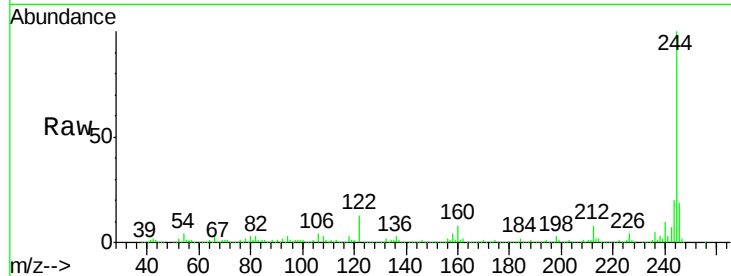
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	244	Resp:	483987
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.8
122	12.8	9.4	14.2

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#80

Benzo(a)anthracene

Concen: 7.23 ng

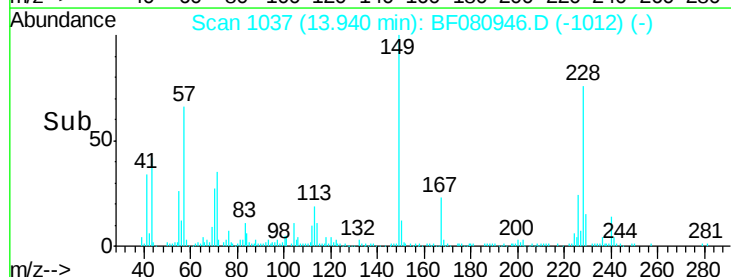
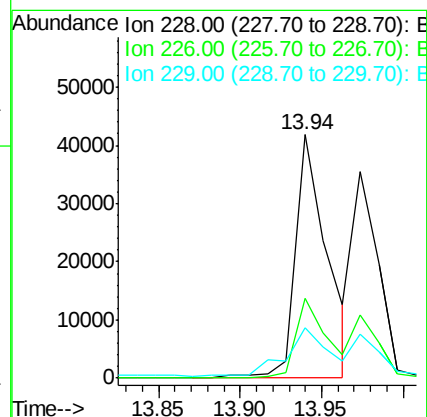
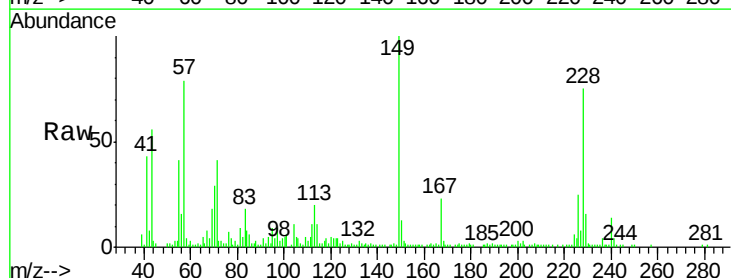
RT: 13.94 min Scan# 1037

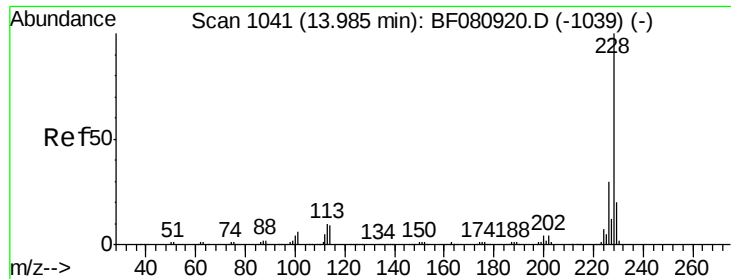
Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	228	Resp:	56677
Ion Ratio	Lower	Upper	
228	100		
226	32.9	22.2	33.2
229	20.9	15.8	23.6





#82

Chrysene

Concen: 5.22 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

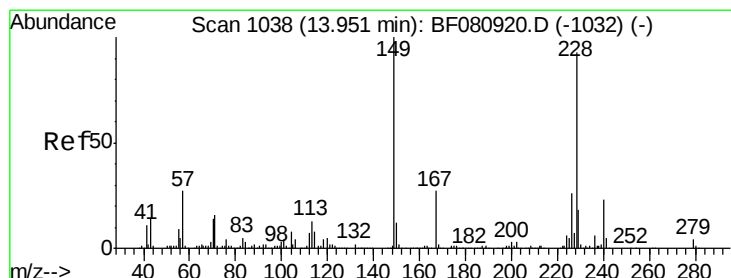
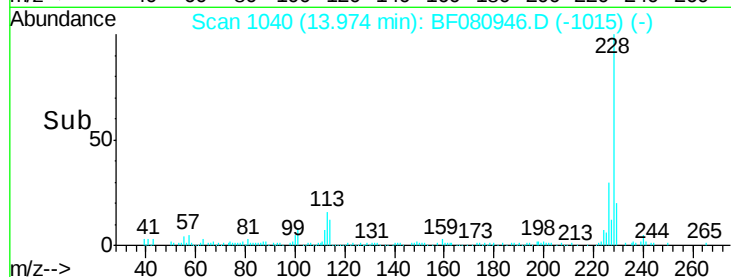
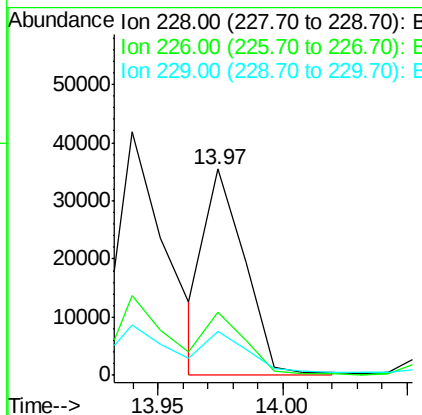
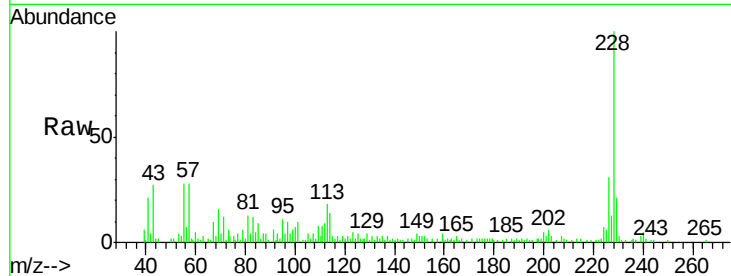
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	228	Resp:	39207
Ion Ratio		Lower	Upper
228	100		
226	30.7	23.9	35.9
229	21.4	15.8	23.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 27.02 ng/mL

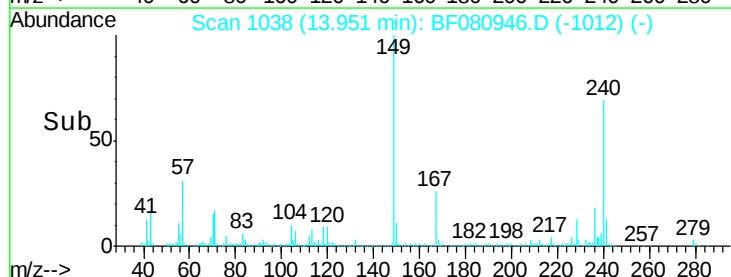
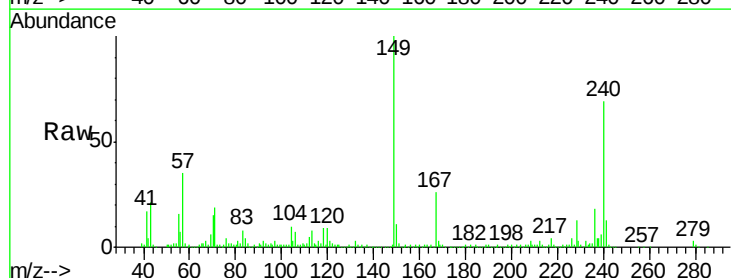
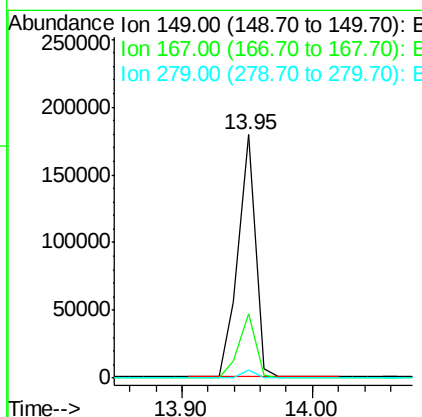
RT: 13.95 min Scan# 1038

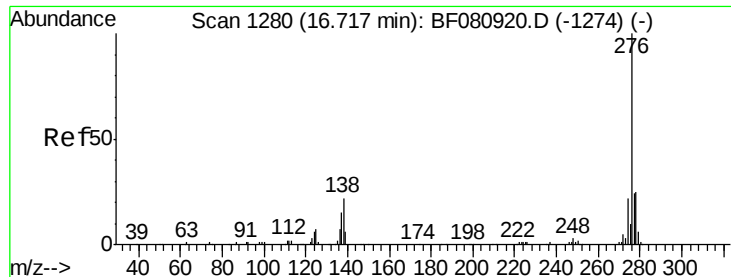
Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	149	Resp:	166193
Ion Ratio		Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.3	2.9	4.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.78 ng

RT: 16.72 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

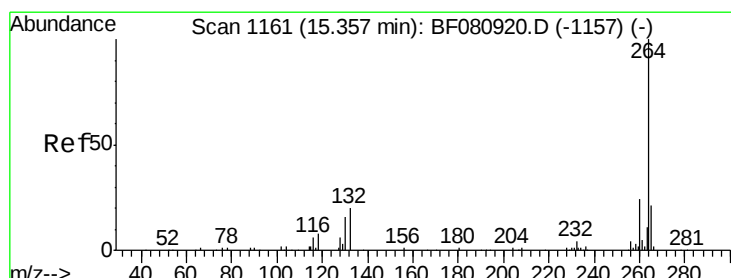
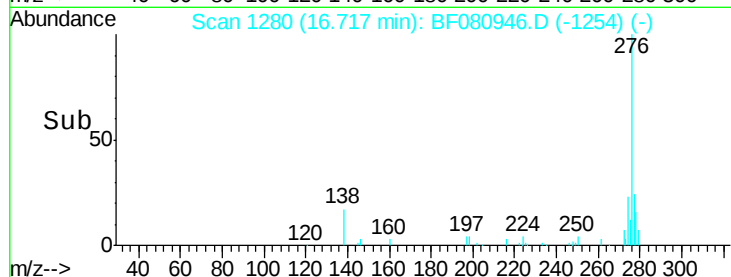
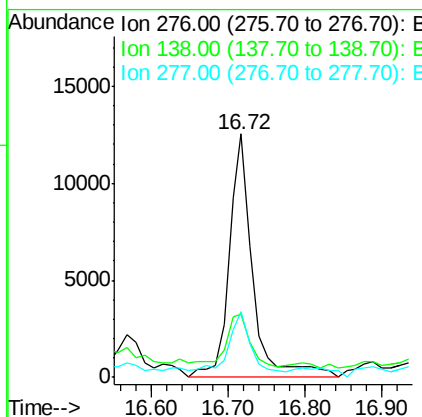
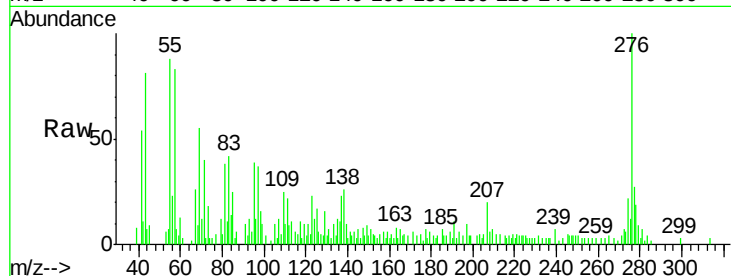
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	276	Resp:	26994
Ion Ratio	Lower	Upper	
276	100		
138	21.9	19.9	29.9
277	22.3	19.7	29.5

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#86

Perylene-d12

Concen: 20.00 ng

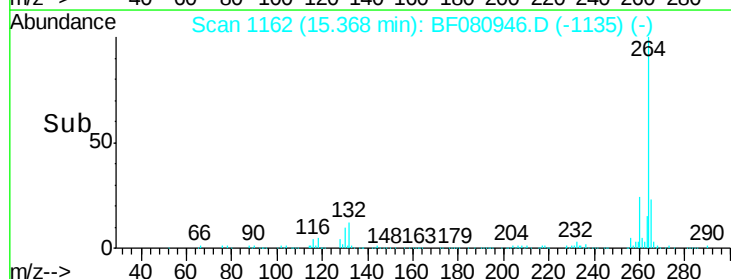
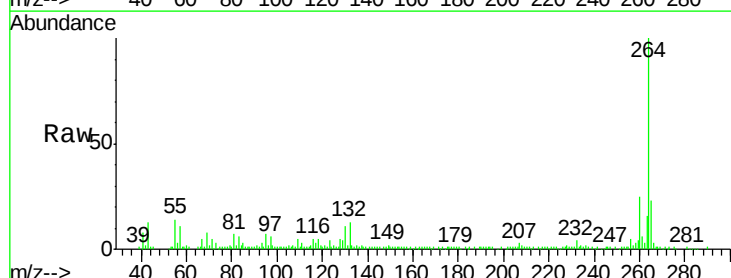
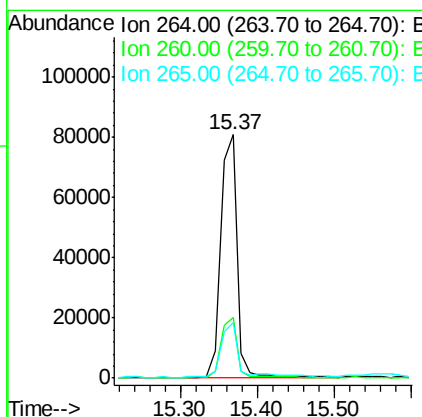
RT: 15.37 min Scan# 1162

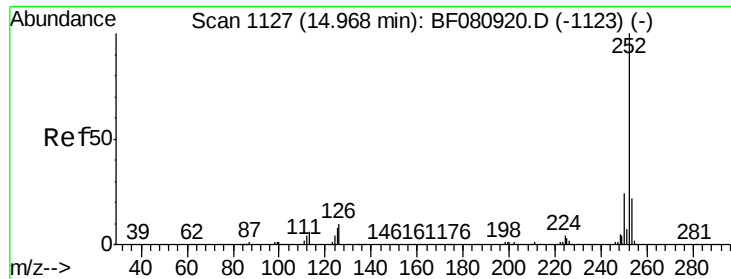
Delta R.T. 0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	264	Resp:	122354
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.4	29.0
265	22.7	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 8.72 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Instrument :

BNA_F

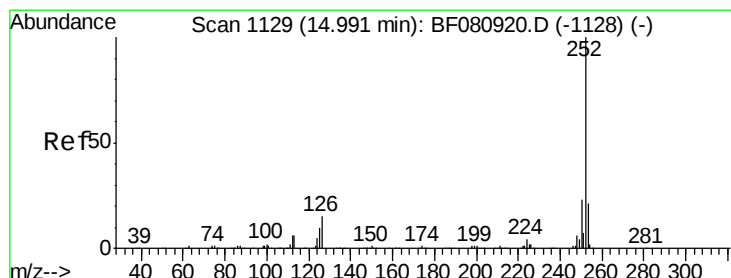
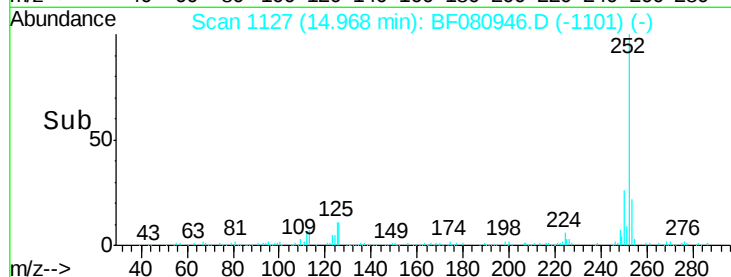
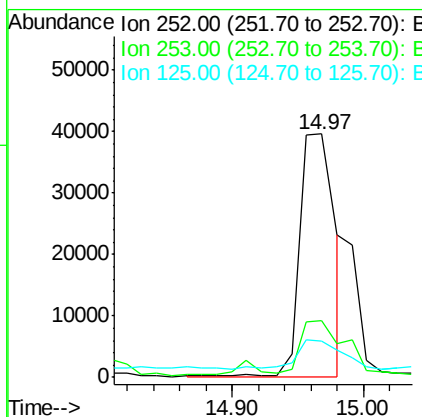
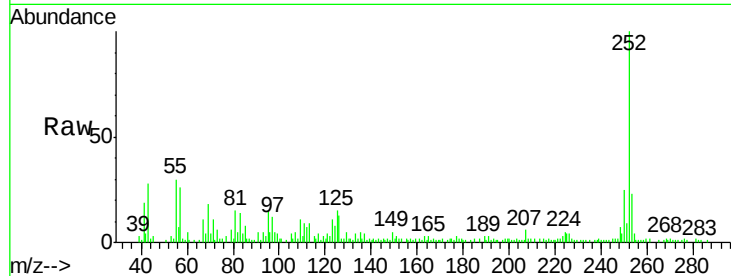
ClientSampleId :

670UNDERCLIFF-1

Tot Ion:	252	Resp:	74210
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	14.8	6.1	9.1#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.46 ng m

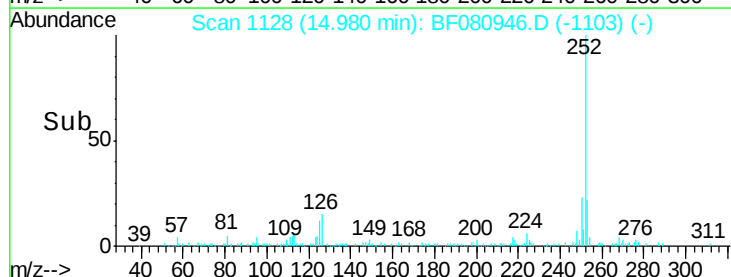
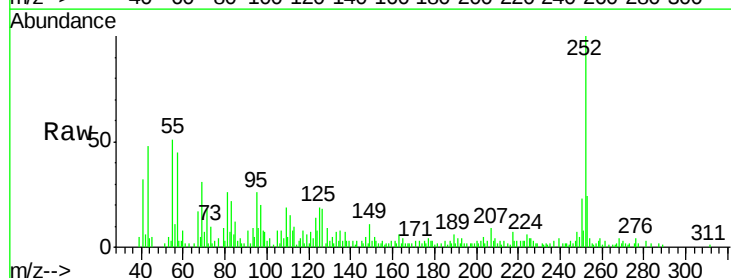
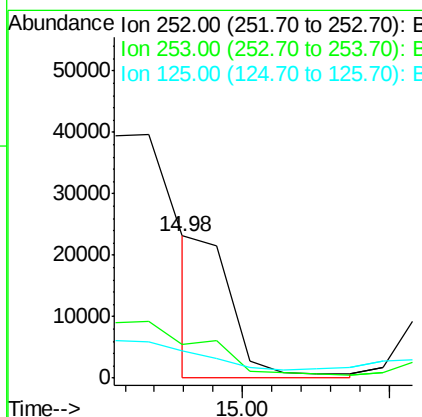
RT: 14.98 min Scan# 1128

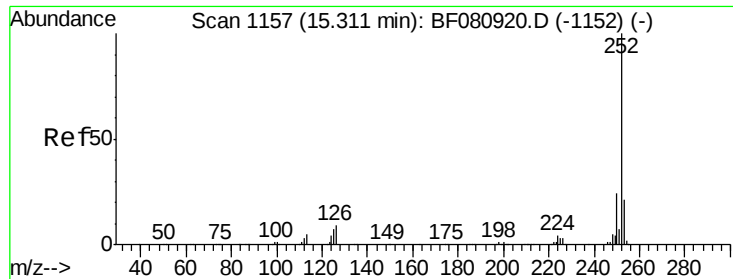
Delta R.T. -0.01 min

Lab File: BF080946.D

Acq: 8 Aug 2015 3:09

Tgt Ion:	252	Resp:	18279
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	18.9	9.0	13.6#





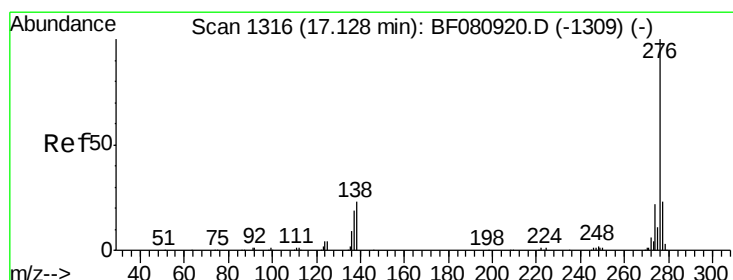
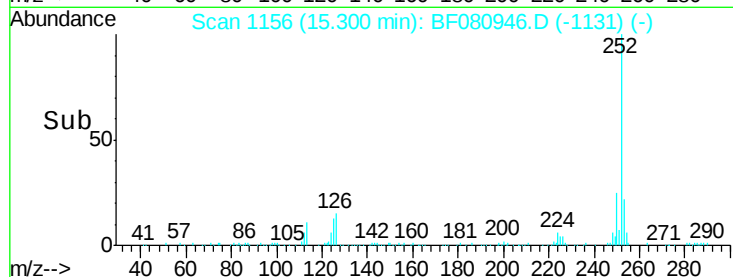
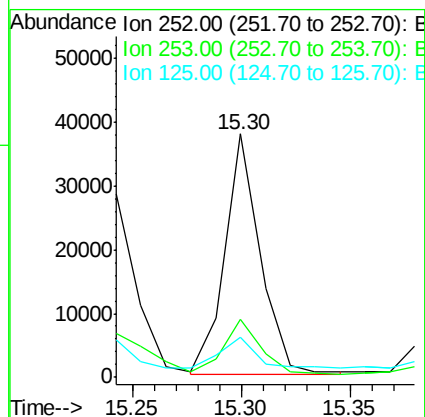
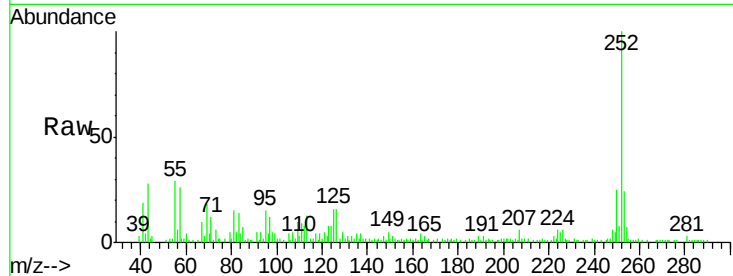
#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.9	25.3
125	16.3	5.8	8.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.82 ng
RT: 17.13 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF080946.D
Acq: 8 Aug 2015 3:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	24.1	18.4	27.6

