

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078482.D
 Acq On : 14 Apr 2015 3:42
 Operator : TP/IZ
 Sample : G1841-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

Manual Integrations
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Quant Time: Apr 14 04:38:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 04:24:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	39541	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	166692	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	88041	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	172871	20.00	ng	0.00
75) Chrysene-d12	15.63	240	190824	20.00	ng	-0.01
86) Perylene-d12	17.27	264	188845	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	59187	24.68	ng	0.01
7) Phenol-d6	6.42	99	114497	38.10	ng	-0.01
23) Nitrobenzene-d5	7.53	82	65307	23.75	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	46424	63.58	ng	0.00
44) 2-Fluorobiphenyl	9.75	172	206712	33.56	ng	-0.01
78) Terphenyl-d14	14.38	244	311394	36.87	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.26	163	15202	2.30	ng	# 96
70) Phenanthrene	12.41	178	102409	10.24	ng	100
71) Anthracene	12.48	178	20218	2.05	ng	98
74) Fluoranthene	13.87	202	177273	16.81	ng	93
77) Pyrene	14.15	202	182491	15.23	ng	97
80) Benzo(a)anthracene	15.62	228	106714	9.40	ng	97
82) Chrysene	15.67	228	92192	8.64	ng	99
85) Indeno(1,2,3-cd)pyrene	18.47	276	56454	4.66	ng	# 85
87) Benzo(b)fluoranthene	16.87	252	110480m	9.47	ng	
88) Benzo(k)fluoranthene	16.89	252	38417m	3.70	ng	
89) Benzo(a)pyrene	17.21	252	77756	7.63	ng	# 94
91) Benzo(g,h,i)perylene	18.80	276	52290	5.11	ng	96

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

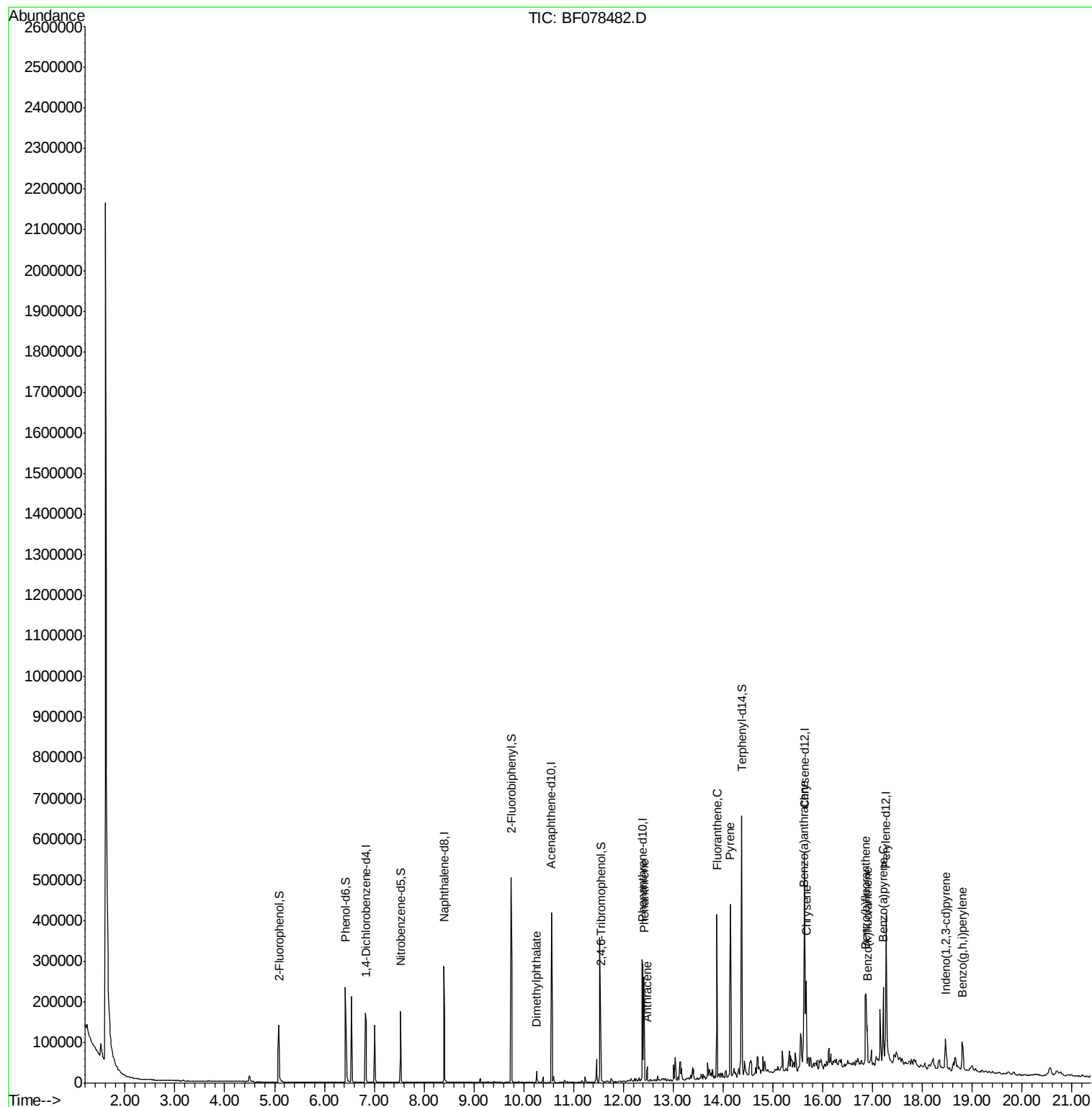
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078482.D
Acq On : 14 Apr 2015 3:42
Operator : TP/IZ
Sample : G1841-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

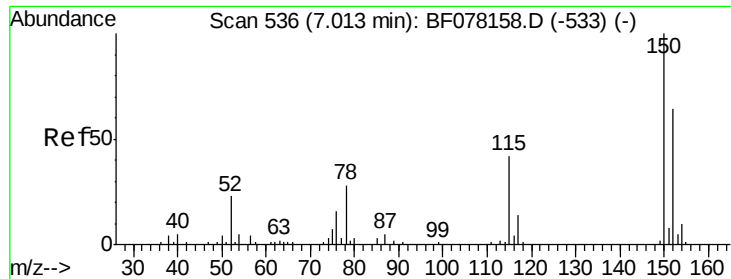
Instrument :
BNA_F
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EP-1

Quant Time: Apr 14 04:38:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF078482.D

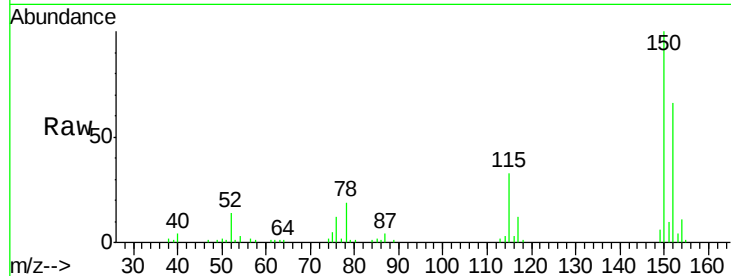
Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampled :

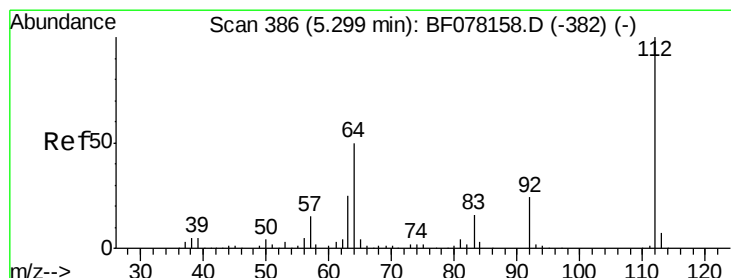
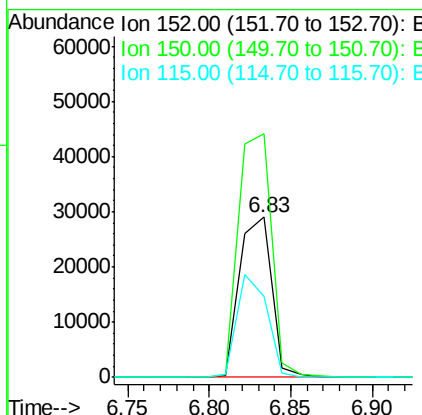
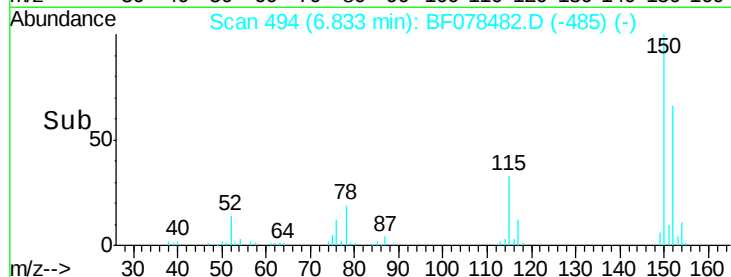
EP-1



Tgt Ion:	152	Resp:	39541
Ion Ratio	Lower	Upper	
152	100		
150	151.9	125.9	188.9
115	50.9	52.7	79.1#

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#5

2-Fluorophenol

Concen: 24.68 ng

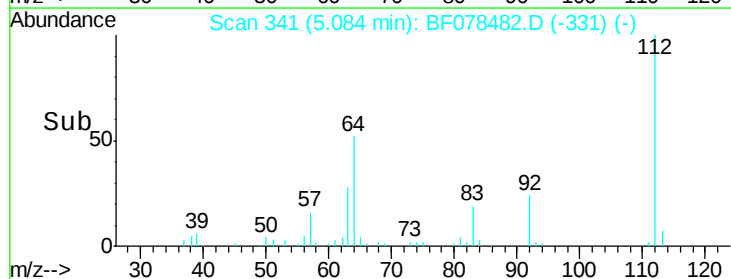
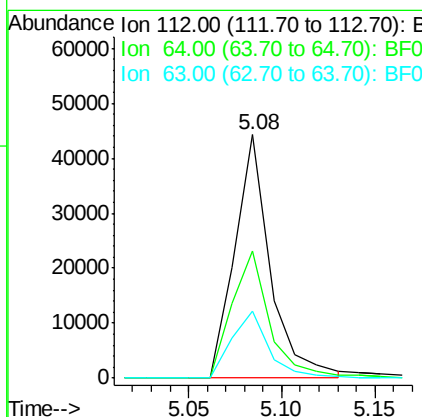
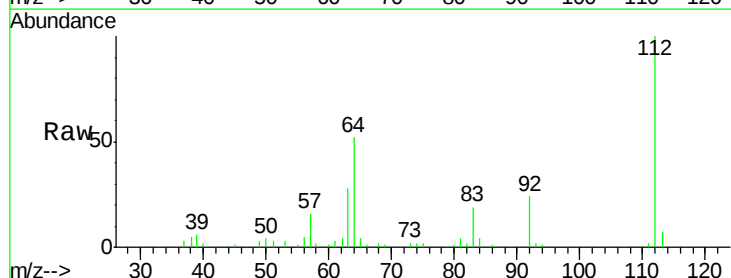
RT: 5.08 min Scan# 341

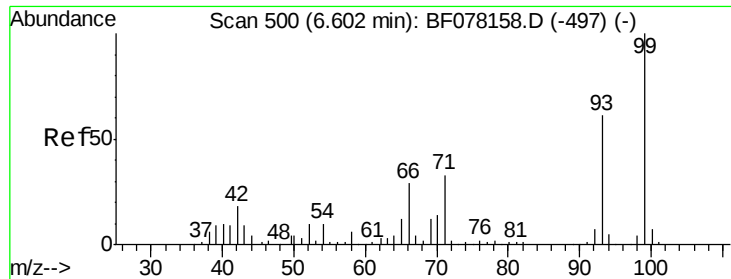
Delta R.T. 0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt Ion:	112	Resp:	59187
Ion Ratio	Lower	Upper	
112	100		
64	52.2	39.9	59.9
63	27.6	20.2	30.4





#7

Phenol-d6

Concen: 38.10 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

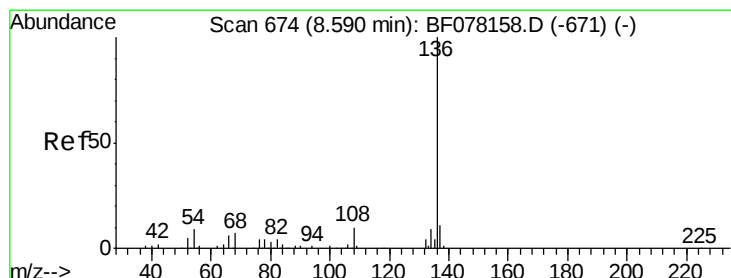
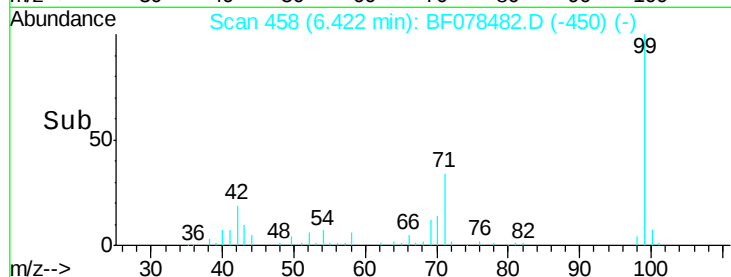
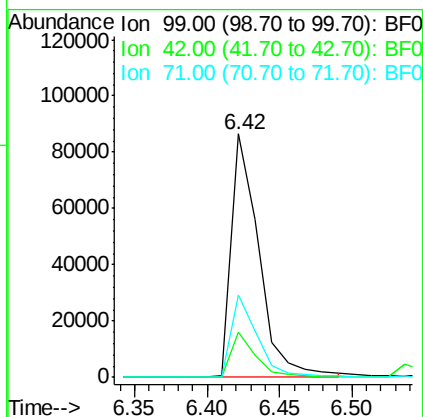
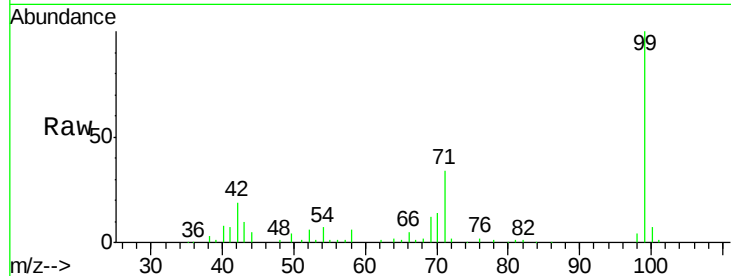
ClientSampleId :

EP-1

Tgt Ion:	99	Resp:	114497
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.8	22.2
71	34.0	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

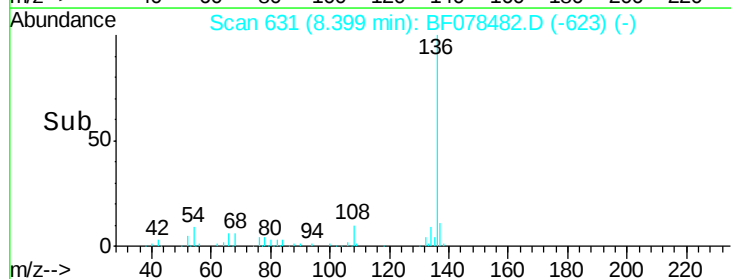
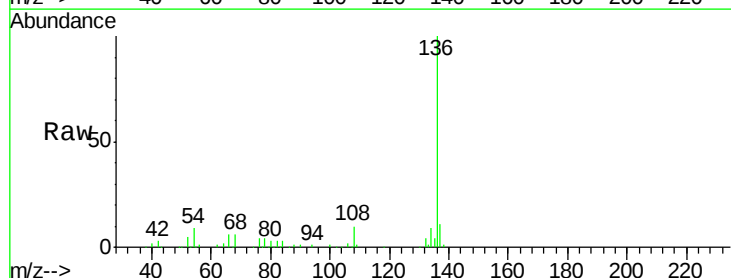
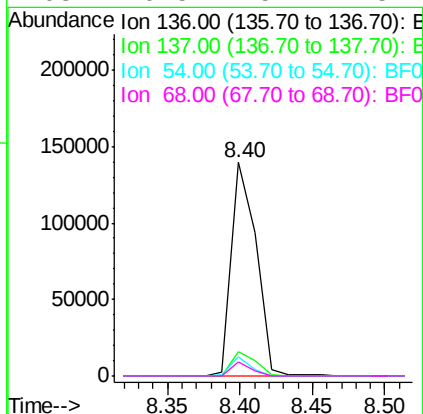
RT: 8.40 min Scan# 631

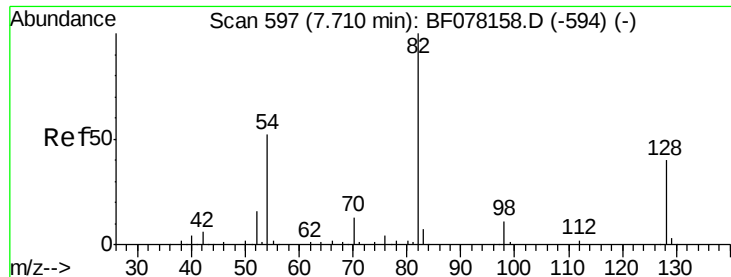
Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt Ion:	136	Resp:	166692
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	9.2	7.0	10.6
68	6.5	5.4	8.2





#23

Nitrobenzene-d5

Concen: 23.75 ng

RT: 7.53 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

ClientSampled :

EP-1

Tgt Ion: 82 Resp: 65307
Ion Ratio Lower Upper

82 100

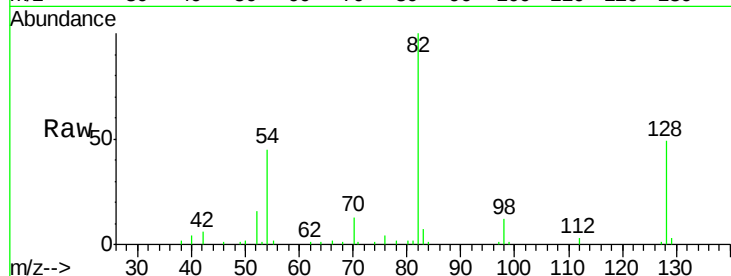
128 48.6 31.8 47.8#

54 45.0 41.5 62.3

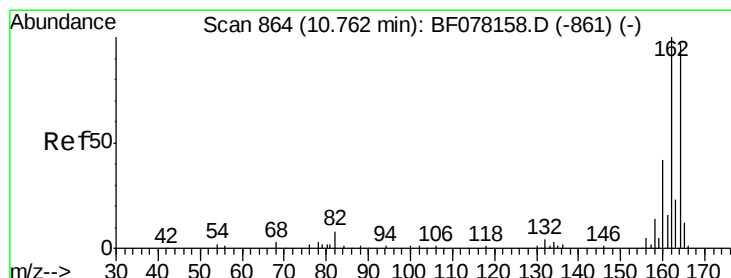
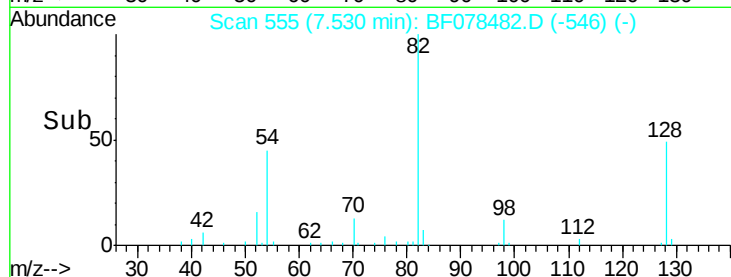
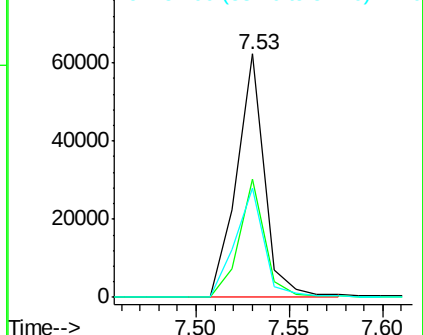
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF078482.D

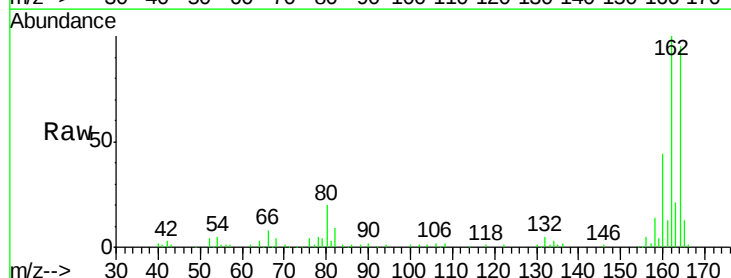
Acq: 14 Apr 2015 3:42

Tgt Ion: 164 Resp: 88041
Ion Ratio Lower Upper

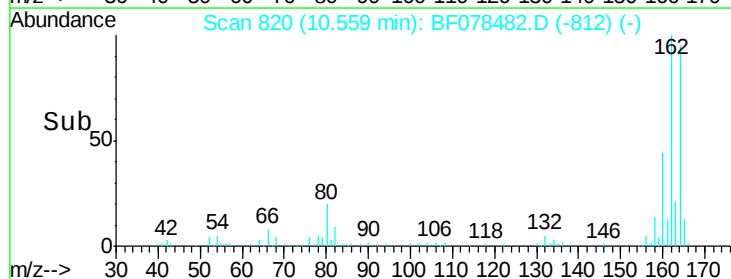
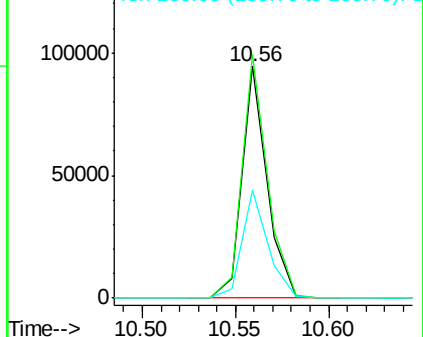
164 100

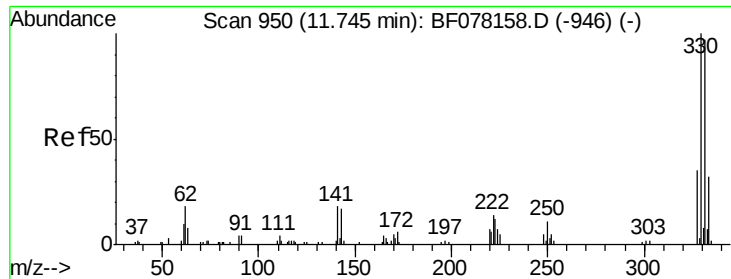
162 104.9 82.2 123.2

160 46.4 34.7 52.1



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





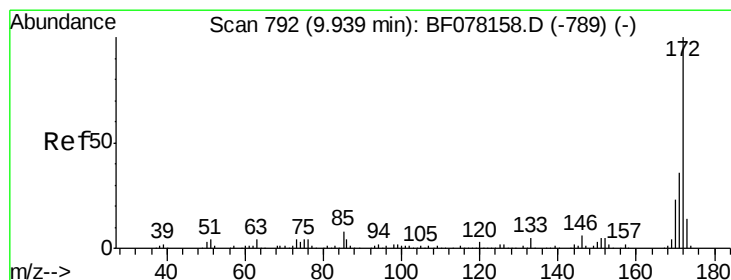
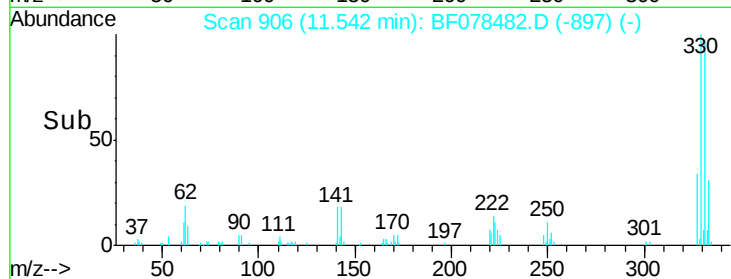
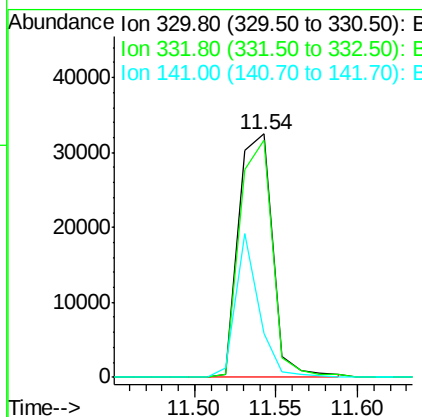
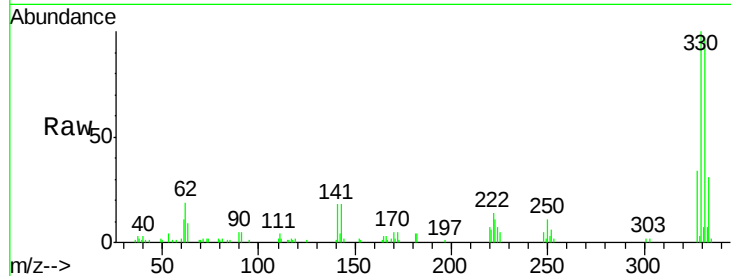
#41
 2,4,6-Tribromophenol
 Concen: 63.58 ng
 RT: 11.54 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Instrument :
 BNA_F
 ClientSampled :
 EP-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.6	117.8
141	40.9	31.2	46.8

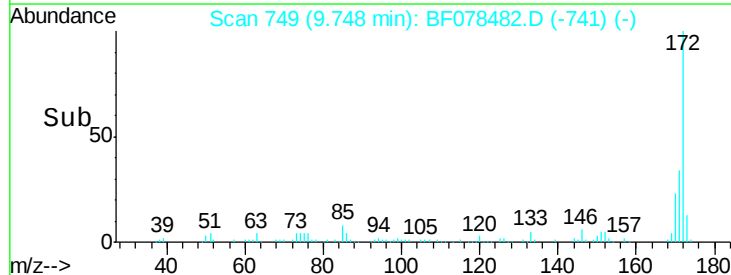
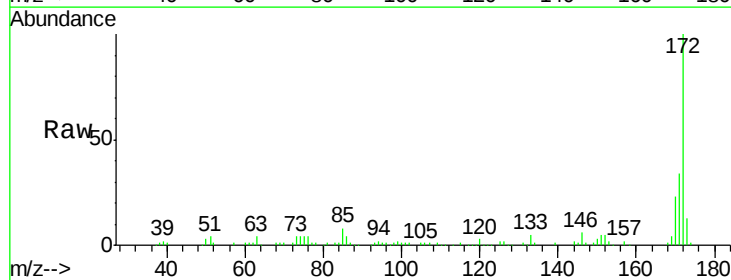
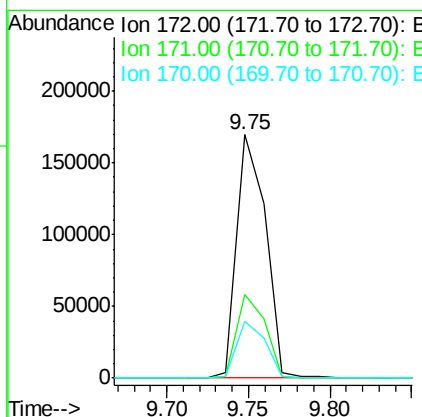
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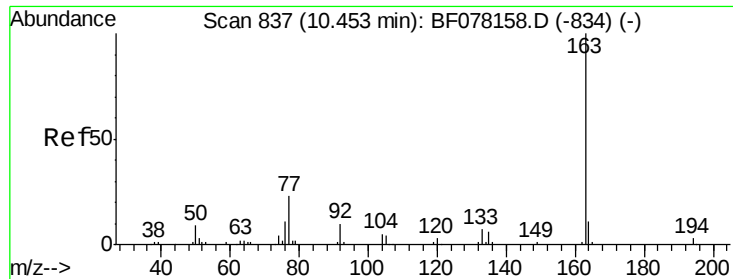
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#44
 2-Fluorobiphenyl
 Concen: 33.56 ng
 RT: 9.75 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	42.8
170	23.3	18.5	27.7





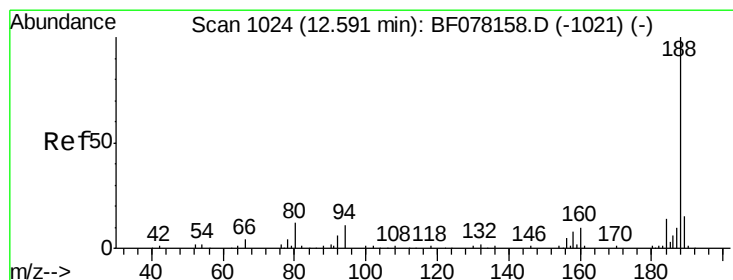
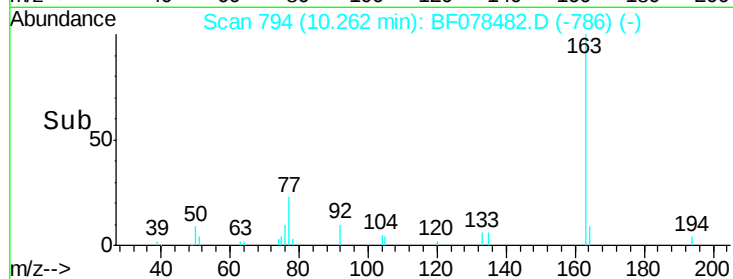
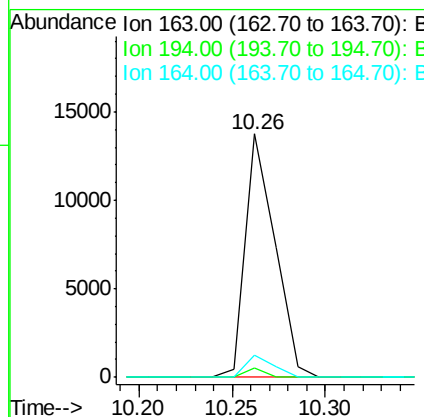
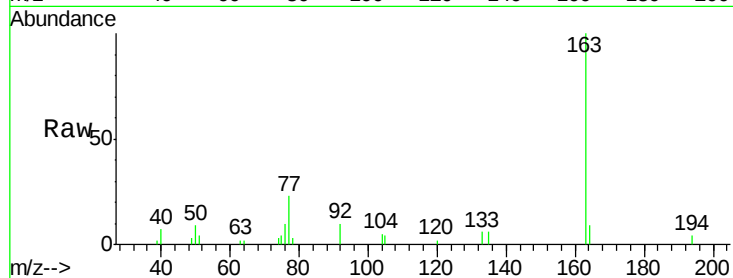
#49
Dimethylphthalate
Concen: 2.30 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Instrument :
BNA_F
ClientSampleId :
EP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	2.3	3.5#
164	9.3	8.6	13.0

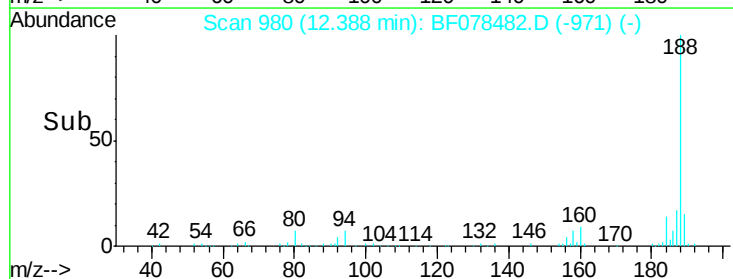
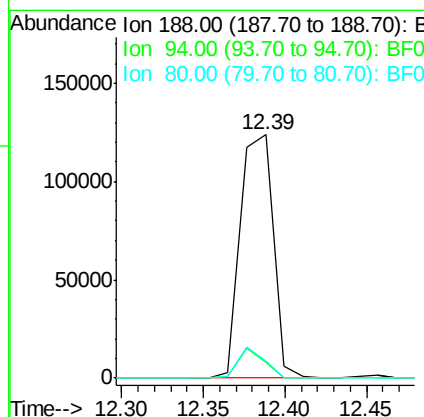
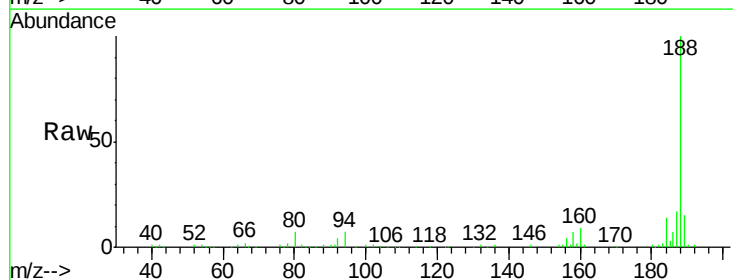
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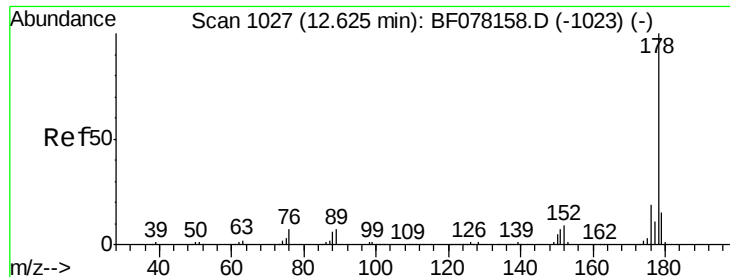
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.7	9.0	13.4#
80	7.2	9.5	14.3#





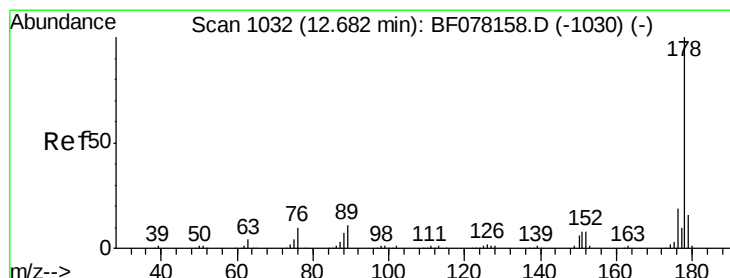
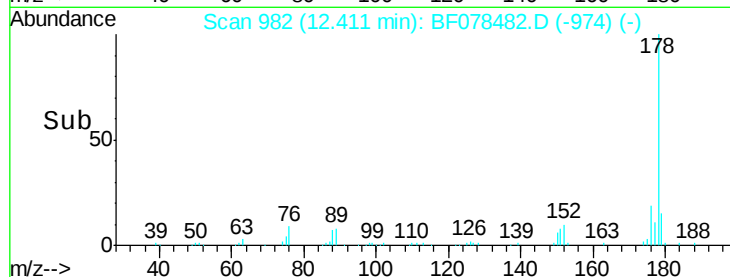
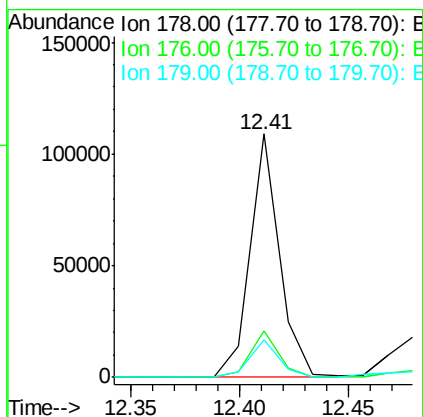
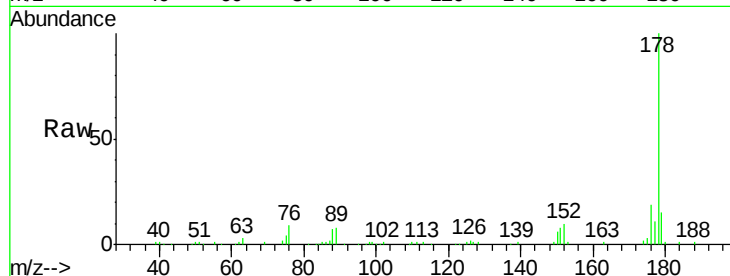
#70
Phenanthrene
Concen: 10.24 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Instrument :
BNA_F
ClientSampled :
EP-1

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	102409		
176	18.9	15.4	23.0	
179	15.3	12.2	18.2	

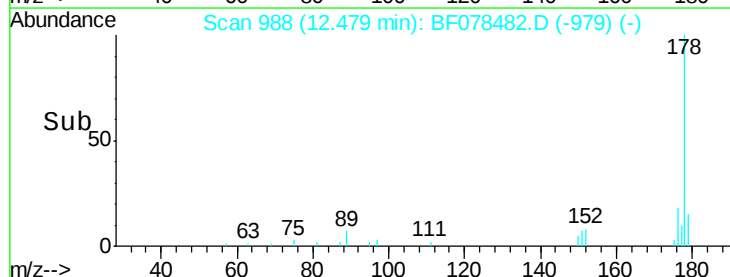
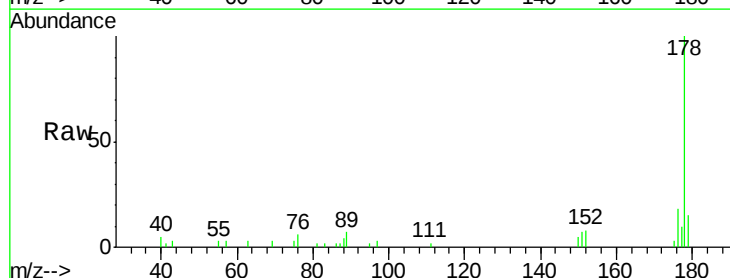
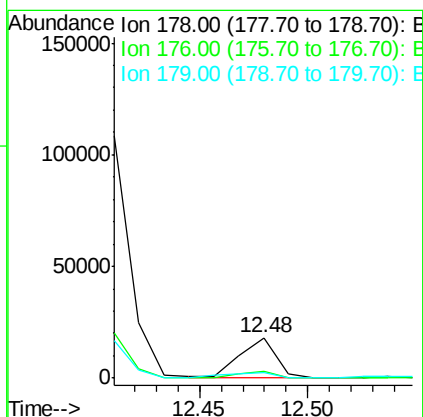
Manual Integrations
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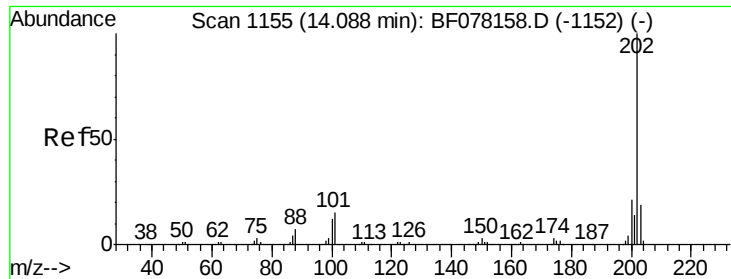
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#71
Anthracene
Concen: 2.05 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	20218		
176	17.9	14.8	22.2	
179	14.6	12.4	18.6	





#74

Fluoranthene

Concen: 16.81 ng

RT: 13.87 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

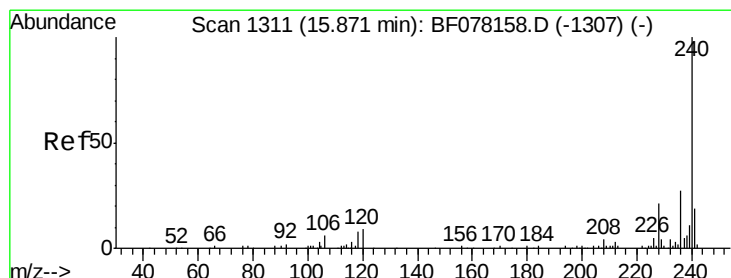
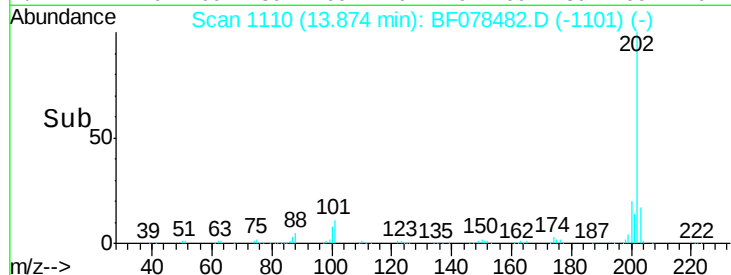
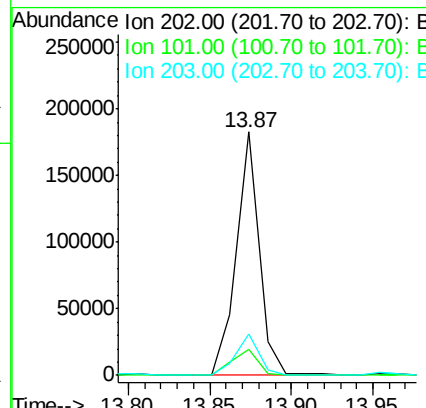
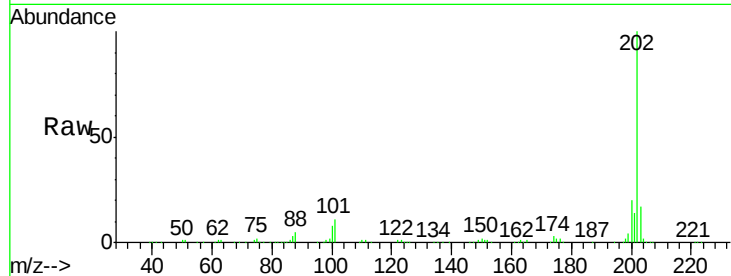
ClientSampled :

EP-1

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		177273		
101	10.5	0.0	35.2		
203	16.9	0.0	38.5		

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#75

Chrysene-d12

Concen: 20.00 ng

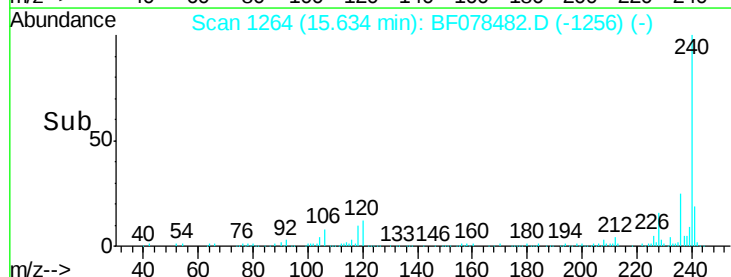
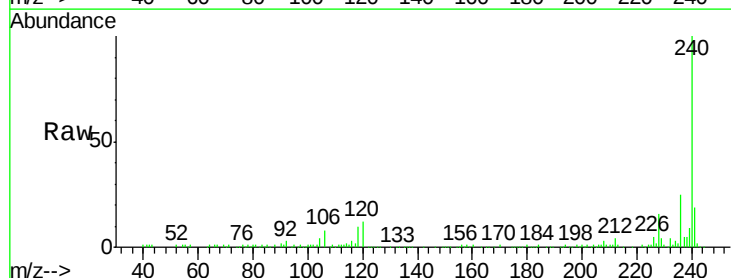
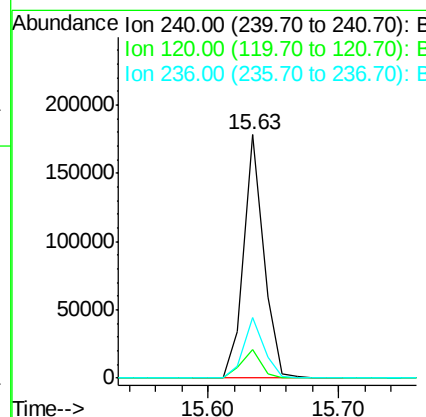
RT: 15.63 min Scan# 1264

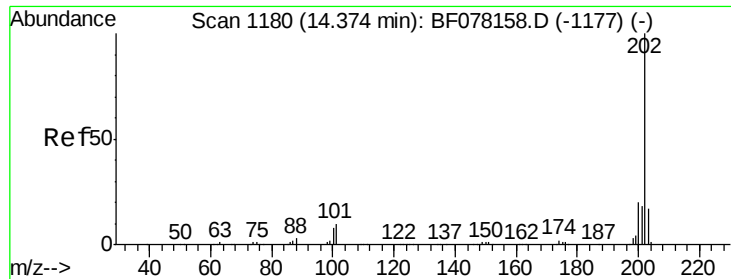
Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		190824		
120	11.9	7.1	10.7#		
236	25.1	21.4	32.2		





#77

Pyrene

Concen: 15.23 ng

RT: 14.15 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

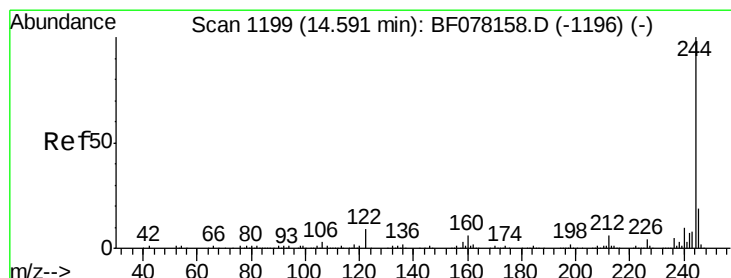
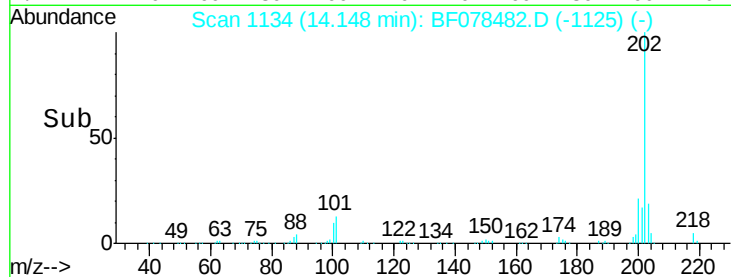
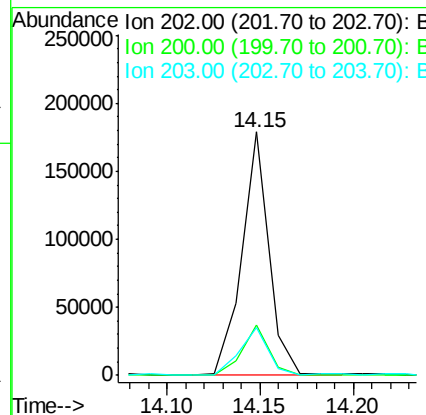
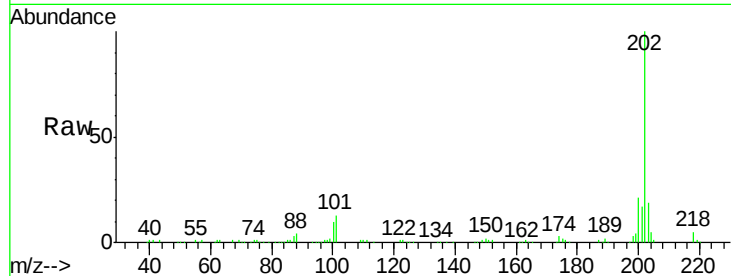
ClientSampleId :

EP-1

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		182491		
200	20.9	16.3	24.5		
203	19.4	13.8	20.6		

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#78

Terphenyl-d14

Concen: 36.87 ng

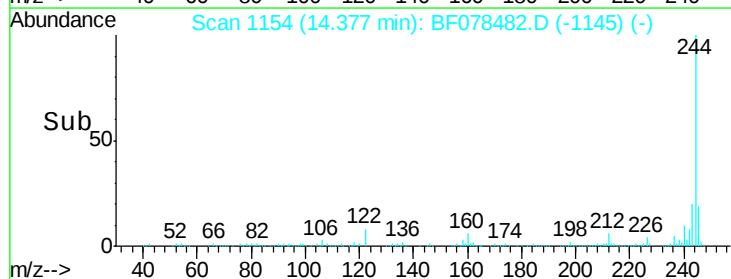
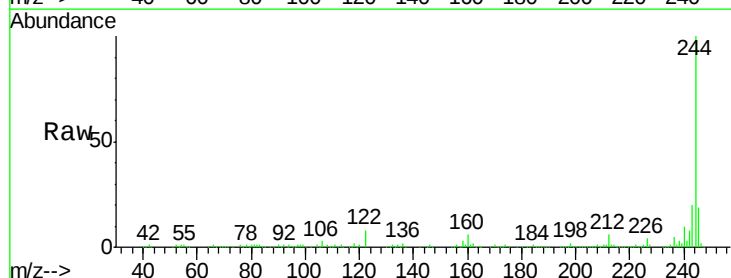
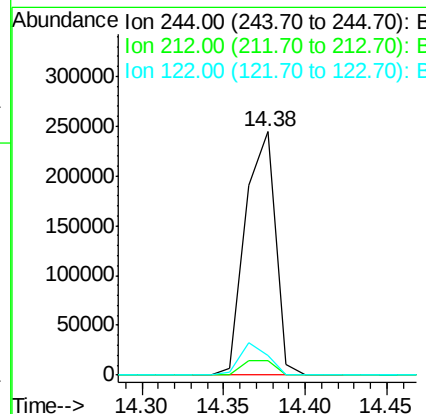
RT: 14.38 min Scan# 1154

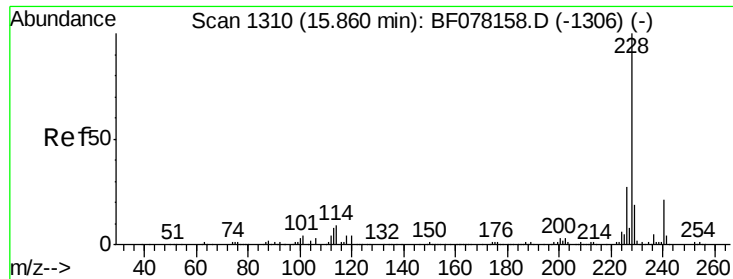
Delta R.T. 0.00 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		311394		
212	6.1	5.0	7.4		
122	8.3	7.1	10.7		





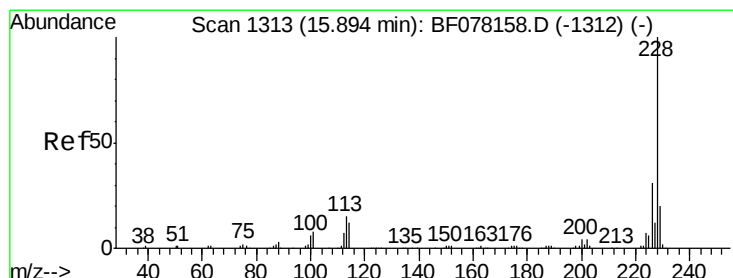
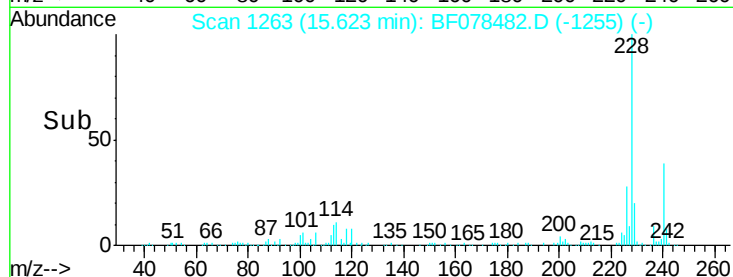
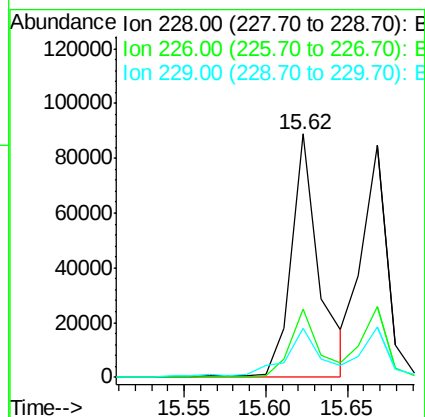
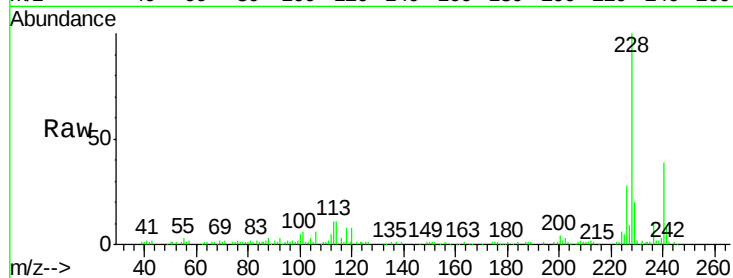
#80
Benzo(a)anthracene
Concen: 9.40 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Instrument :
BNA_F
ClientSampleId :
EP-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.3	31.9
229	20.1	15.4	23.2

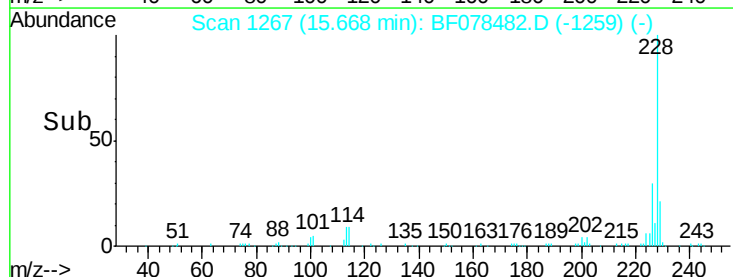
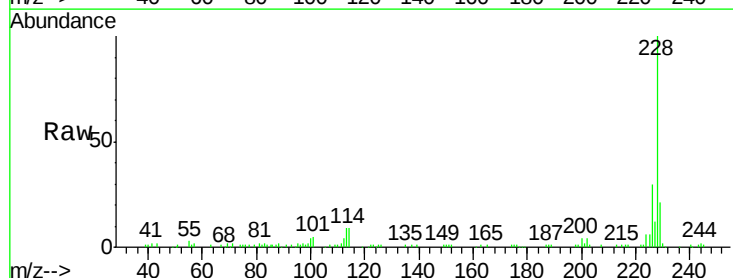
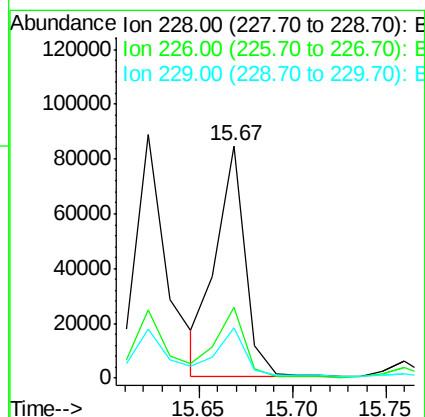
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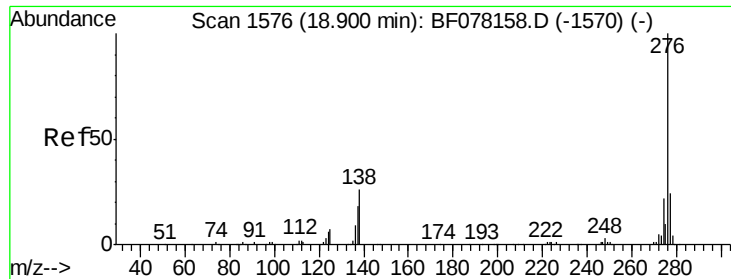
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#82
Chrysene
Concen: 8.64 ng
RT: 15.67 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	21.4	15.8	23.8





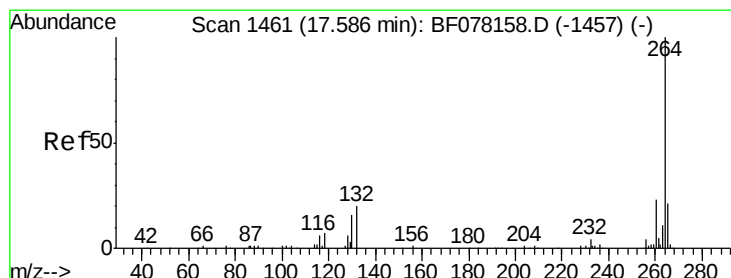
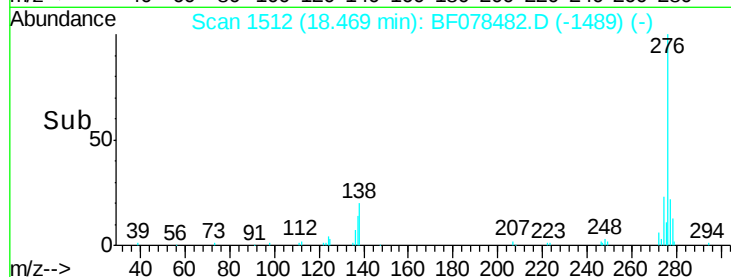
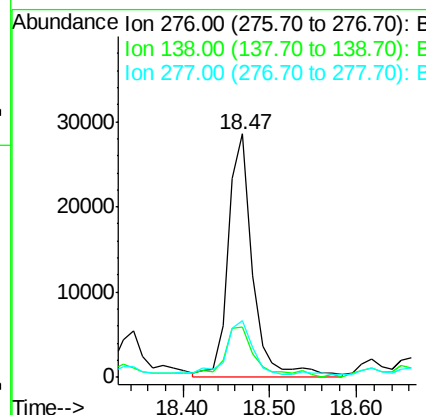
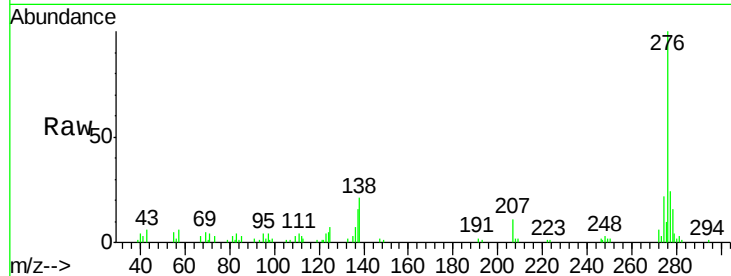
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.66 ng
 RT: 18.47 min Scan# 1512
 Delta R.T. -0.03 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	16.9	25.3#
277	28.7	15.8	23.6#

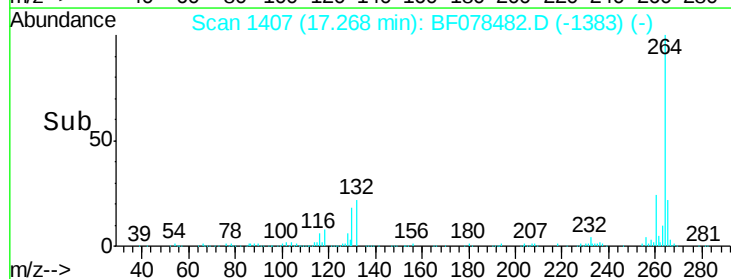
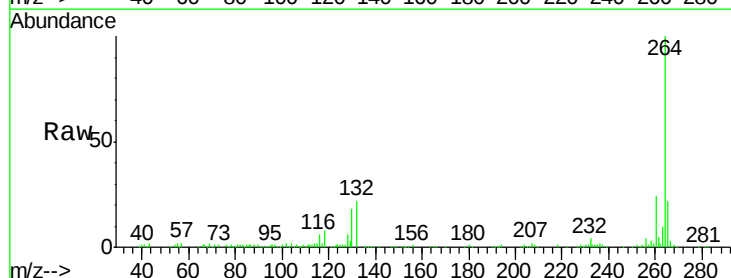
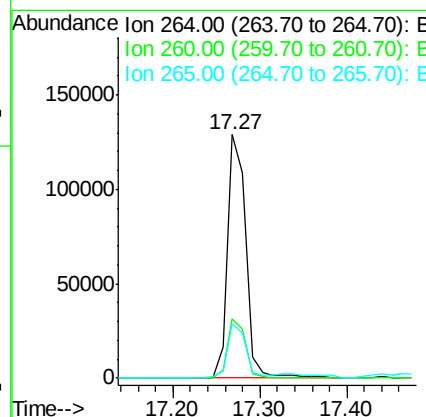
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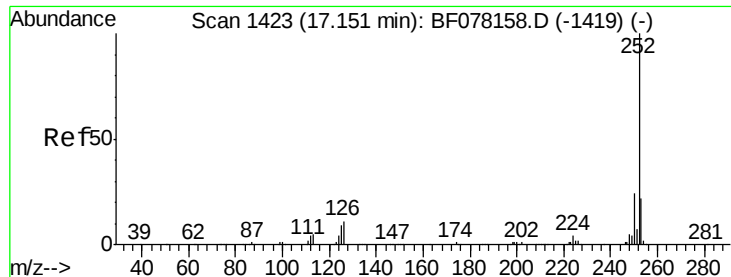
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.27 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF078482.D
 Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.5	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 9.47 ng m

RT: 16.87 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Instrument :

BNA_F

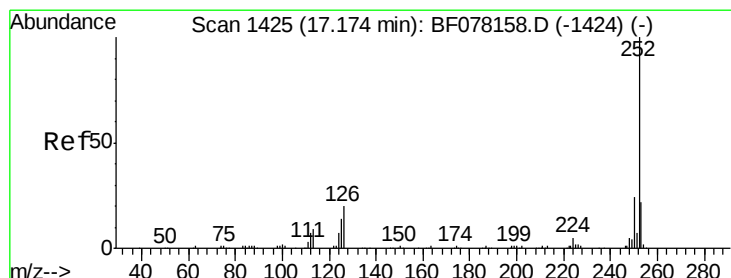
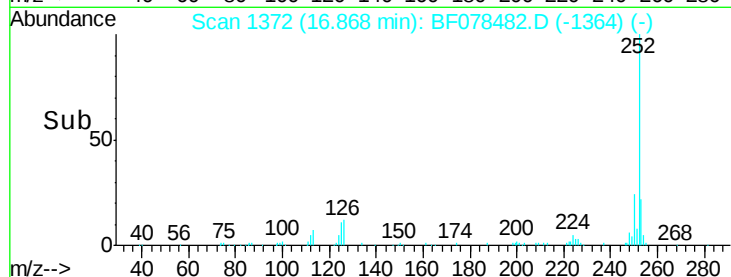
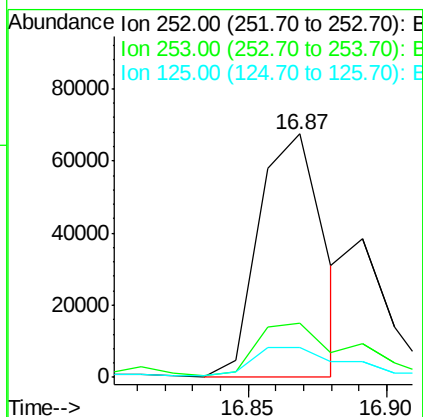
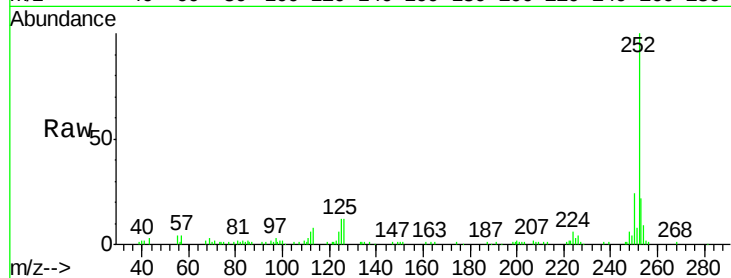
ClientSampleId :

EP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.3	7.0	10.4

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#88

Benzo(k)fluoranthene

Concen: 3.70 ng m

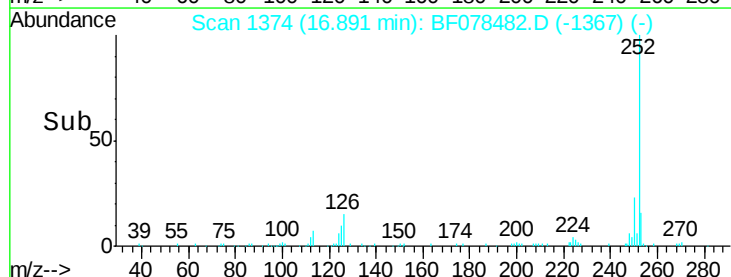
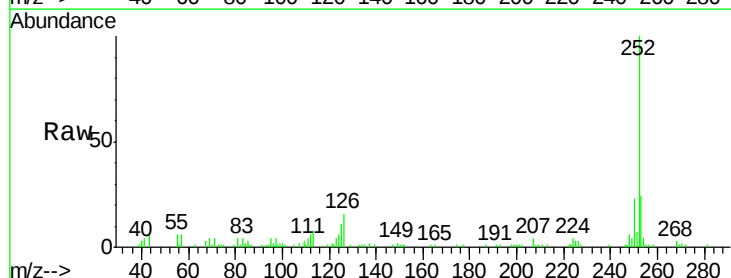
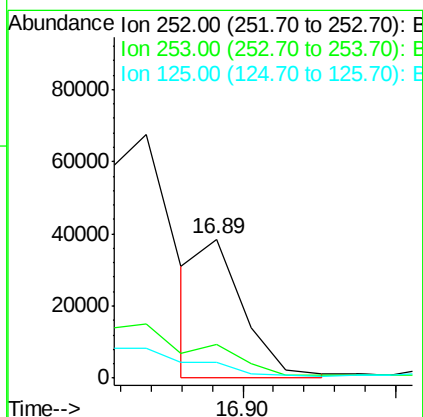
RT: 16.89 min Scan# 1374

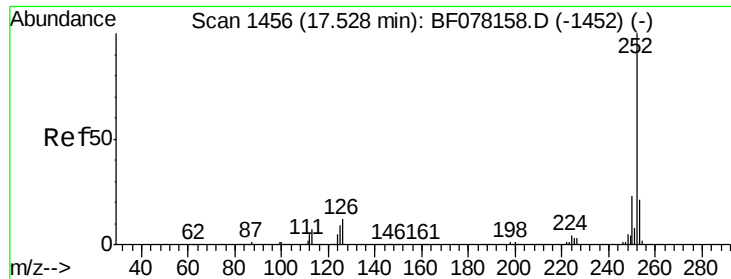
Delta R.T. -0.02 min

Lab File: BF078482.D

Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	11.1	11.6	17.4





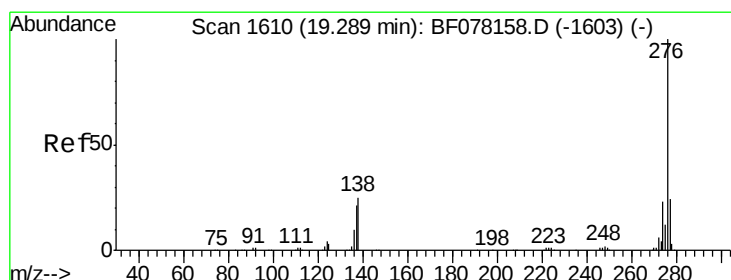
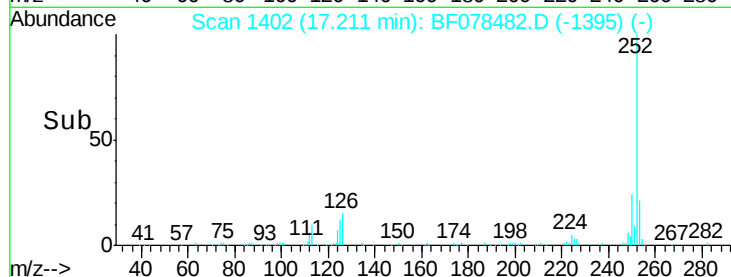
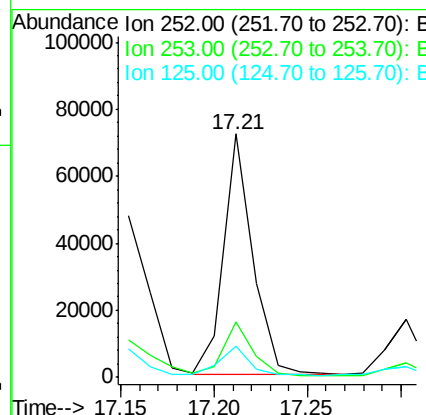
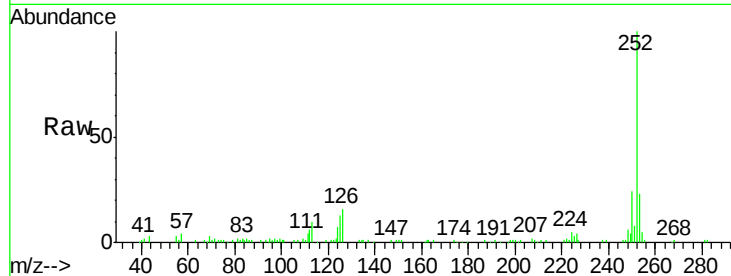
#89
Benzo(a)pyrene
Concen: 7.63 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Instrument :
BNA_F
ClientSampled :
EP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.8	25.2
125	12.8	7.4	11.0

Manual Integrations
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4/14/2015 5:25:30 PM



#91
Benzo(g,h,i)perylene
Concen: 5.11 ng
RT: 18.80 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF078482.D
Acq: 14 Apr 2015 3:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	28.9	19.9	29.9

