

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
 Data File : BM001777.D
 Acq On : 22 Jun 2015 17:48
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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 6/23/2015 3:35:24 PM

Quant Time: Jun 23 04:43:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	19265	5.00	ng	0.00
6) Naphthalene-d8	10.44	136	72304	5.00	ng	-0.02
12) Acenaphthene-d10	14.31	164	35686	5.00	ng	-0.01
18) Phenanthrene-d10	17.06	188	83262	5.00	ng	0.00
25) Chrysene-d12	21.25	240	60912	5.00	ng	0.00
32) Perylene-d12	23.47	264	53641	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	4644	1.03	ng	0.00
5) Phenol-d6	6.83	99	6059	1.05	ng	0.00
7) Nitrobenzene-d5	8.81	82	5660	1.00	ng	-0.01
13) 2,4,6-Tribromophenol	15.80	330	1310	1.18	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	12414	0.97	ng	0.00
27) Terphenyl-d14	19.70	244	9180	1.02	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	2157	0.98	ng	97
3) n-Nitrosodimethylamine	3.48	42	3442	1.01	ng	# 98
8) Nitrobenzene	8.86	77	6101	1.01	ng	99
9) Naphthalene	10.49	128	17272	0.98	ng	99
10) Hexachlorobutadiene	10.78	225	2846	0.96	ng	99
11) 2-Methylnaphthalene	12.12	142	11224	1.00	ng	97
15) Acenaphthylene	14.03	152	17150	1.01	ng	100
16) Acenaphthene	14.37	154	10447	0.98	ng	99
17) Fluorene	15.36	166	8688	0.95	ng	100
19) 4-Bromophenyl-phenylether	16.24	248	4196	1.23	ng	# 80
20) Hexachlorobenzene	16.38	284	2216	0.94	ng	# 100
21) Pentachlorophenol	16.72	266	1127	1.08	ng	99
22) Phenanthrene	17.09	178	29427	1.03	ng	98
23) Anthracene	17.19	178	11890m	0.99	ng	
24) Fluoranthene	19.12	202	19748	1.10	ng	99
26) Pyrene	19.48	202	20892	0.99	ng	100
28) Benzo(a)anthracene	21.24	228	17768	0.97	ng	99
29) Chrysene	21.28	228	18311	0.95	ng	100
30) Bis(2-ethylhexyl)phthalate	21.16	149	10871	1.03	ng	99
31) Indeno(1,2,3-cd)pyrene	25.70	276	17820	0.96	ng	100
33) Benzo(b)fluoranthene	22.80	252	17158	0.97	ng	99
34) Benzo(k)fluoranthene	22.84	252	15600	0.99	ng	100
35) Benzo(a)pyrene	23.38	252	14875	1.00	ng	96
36) Dibenzo(a,h)anthracene	25.72	278	14235	0.97	ng	100
37) Benzo(g,h,i)perylene	26.39	276	14861	0.96	ng	99

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

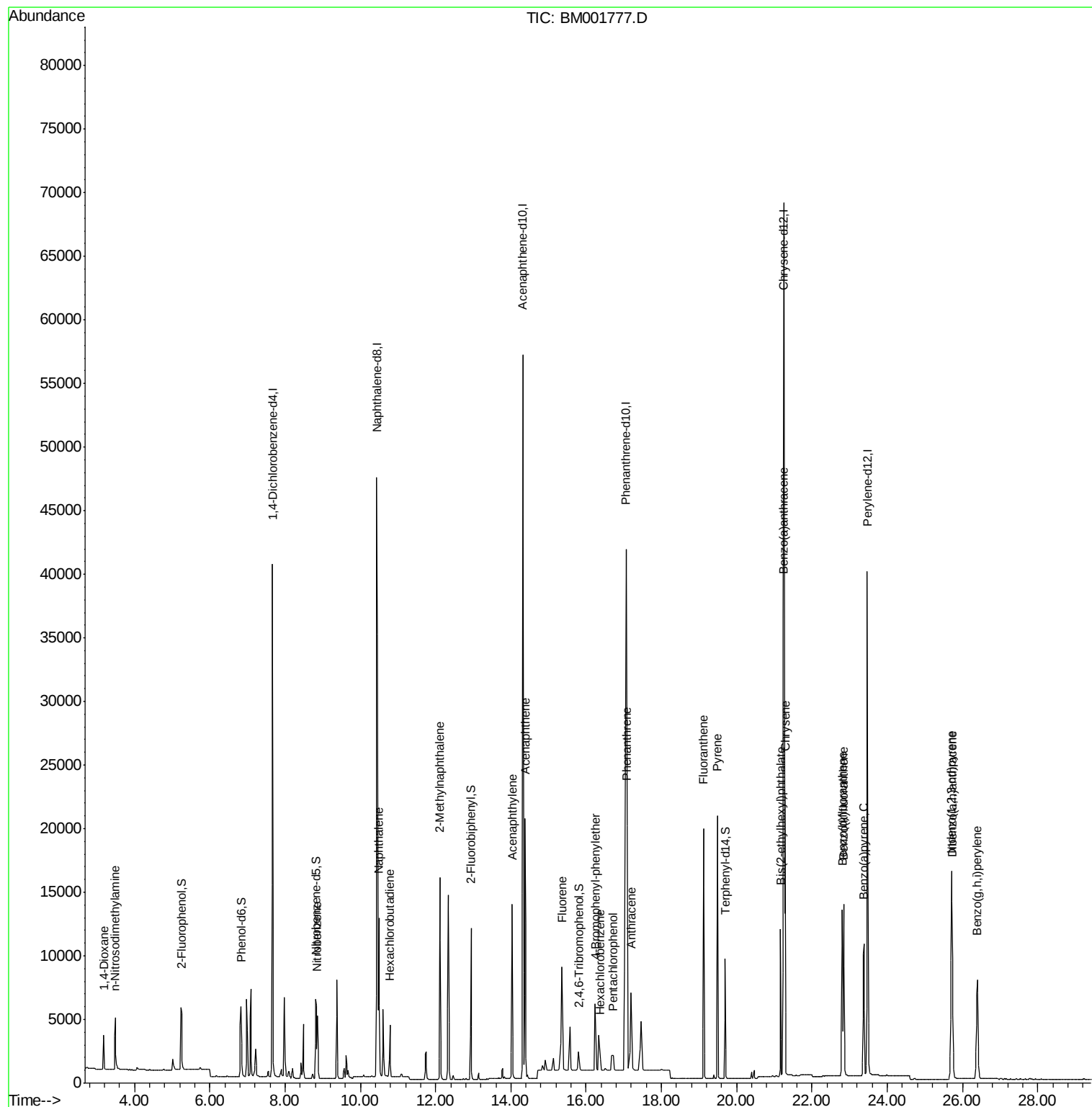
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001777.D

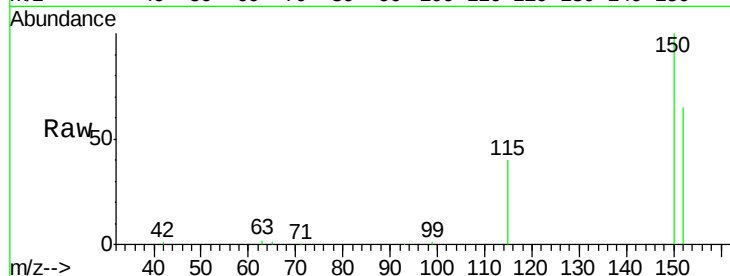
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC



Tgt Ion: 152 Resp: 19265

Ion Ratio Lower Upper

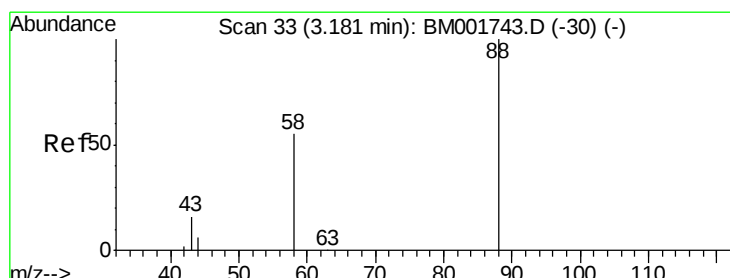
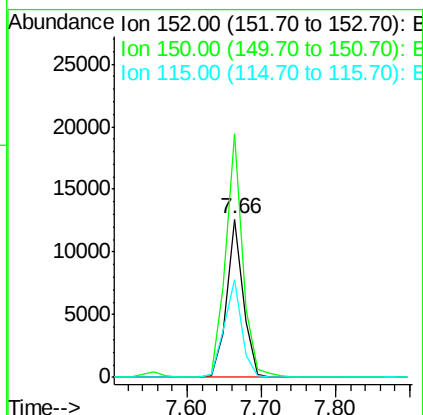
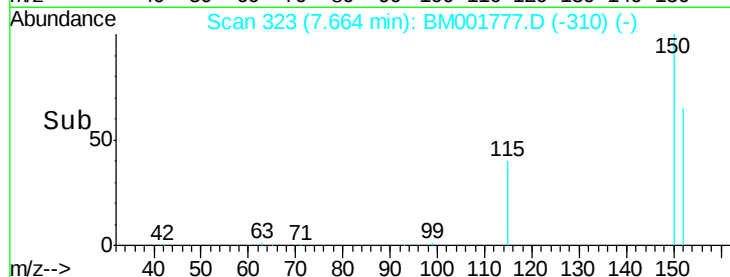
152 100

150 154.2 127.5 191.3

115 61.8 53.2 79.8

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#2

1,4-Dioxane

Concen: 0.98 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

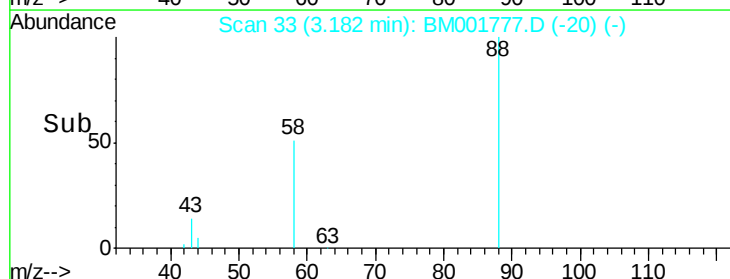
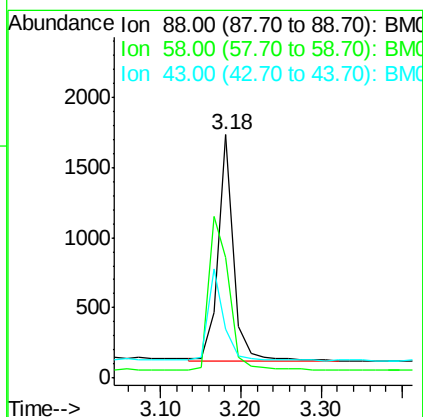
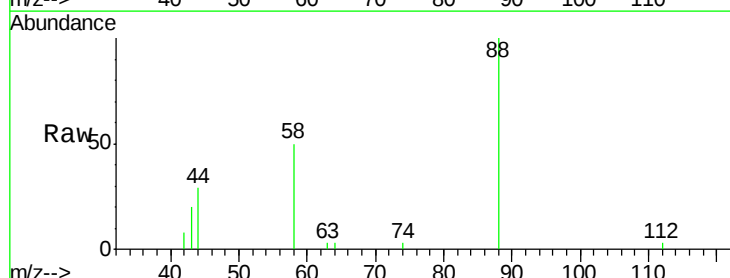
Tgt Ion: 88 Resp: 2157

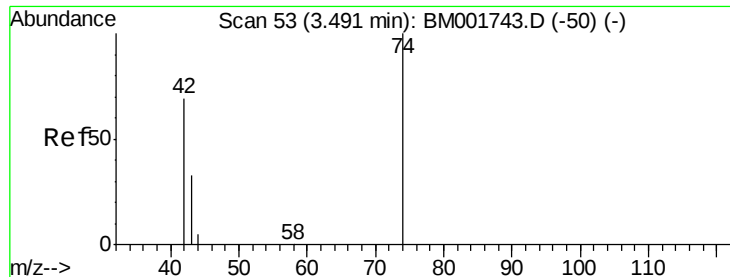
Ion Ratio Lower Upper

88 100

58 88.8 68.3 102.5

43 41.9 32.6 48.8





#3

n-Nitrosodimethylamine

Concen: 1.01 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

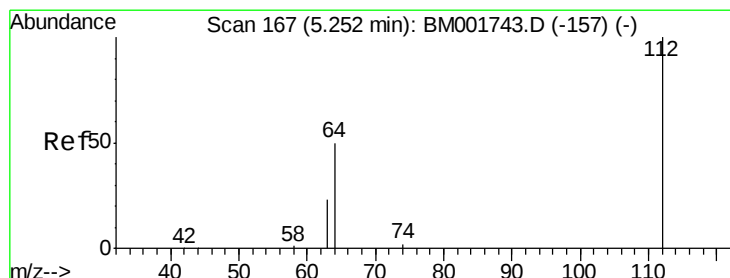
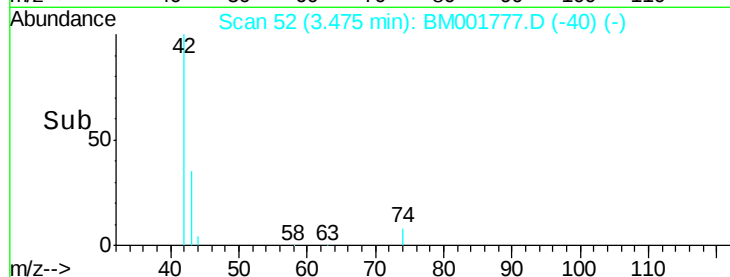
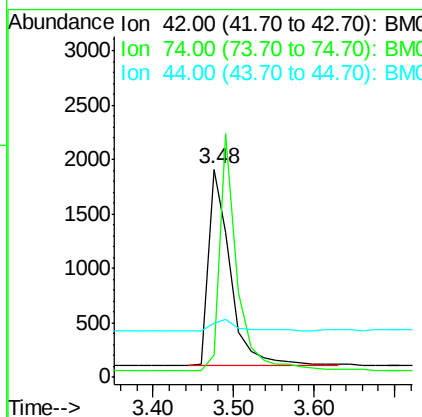
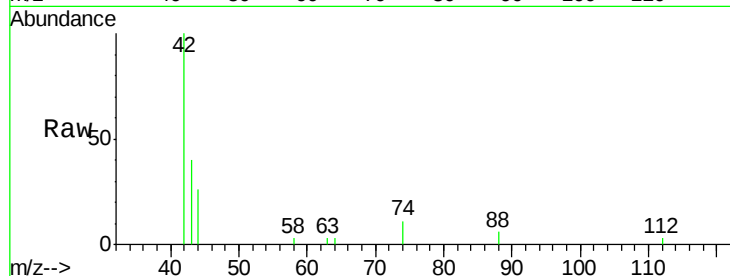
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Tgt Ion:	42	Resp:	3442
Ion	Ratio	Lower	Upper
42	100		
74	96.6	78.6	118.0
44	7.9	5.0	7.6#



#4

2-Fluorophenol

Concen: 1.03 ng

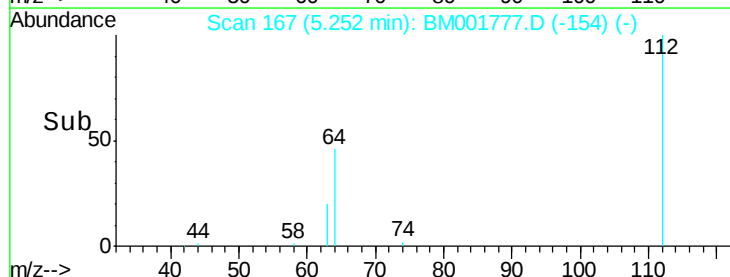
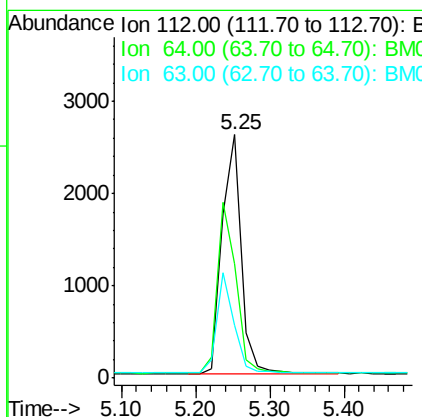
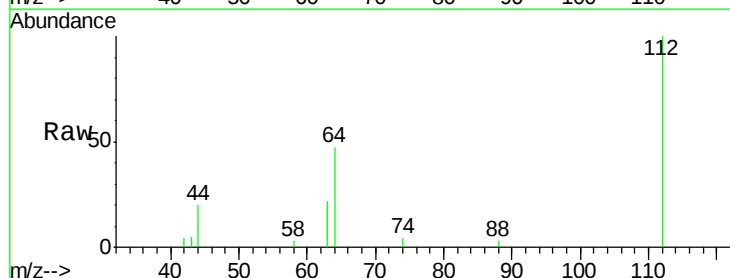
RT: 5.25 min Scan# 167

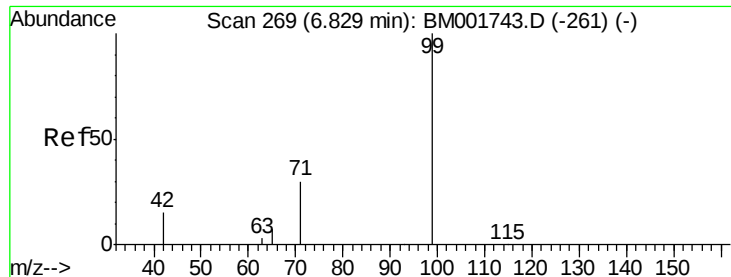
Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	112	Resp:	4644
Ion	Ratio	Lower	Upper
112	100		
64	69.3	55.6	83.4
63	37.6	30.2	45.2





#5

Phenol-d6

Concen: 1.05 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

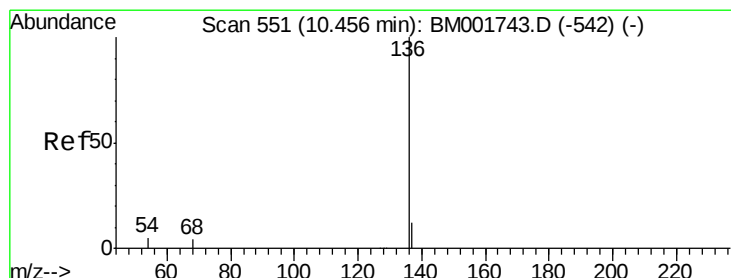
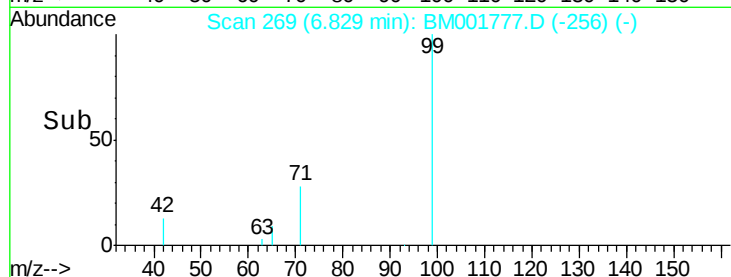
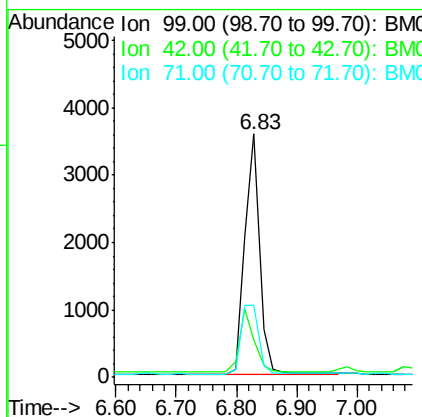
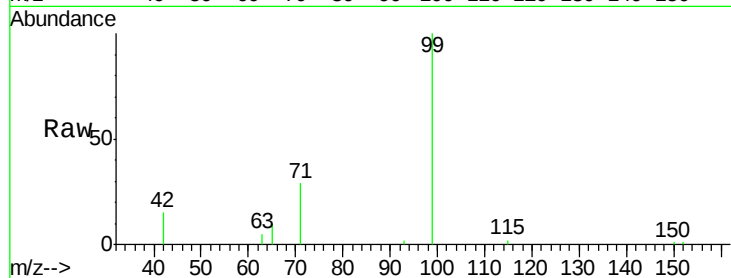
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	99	Resp:	6059
Ion	Ratio	Lower	Upper
99	100		
42	26.1	21.4	32.0
71	35.1	28.3	42.5

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#6

Naphthalene-d8

Concen: 5.00 ng

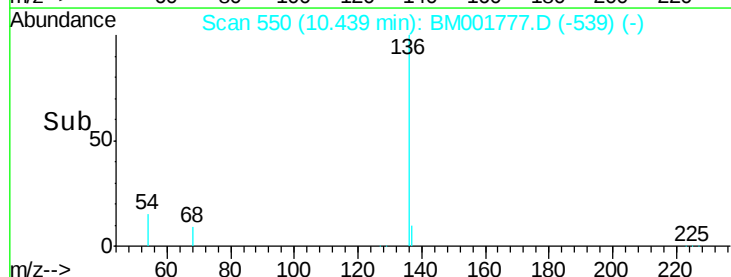
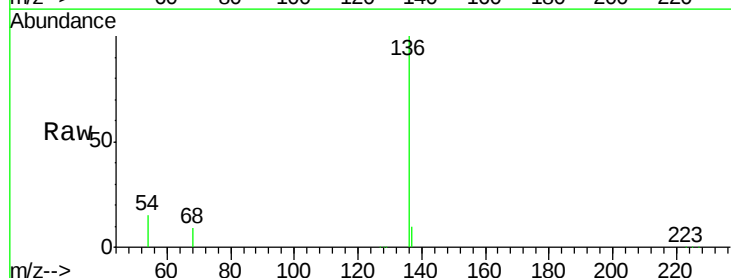
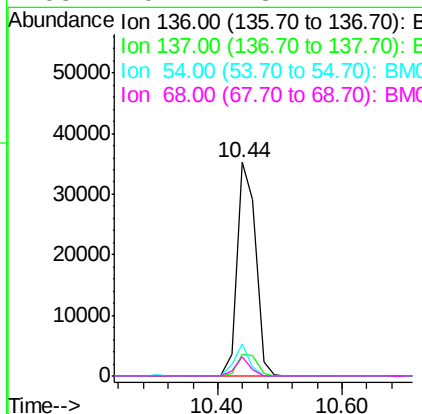
RT: 10.44 min Scan# 550

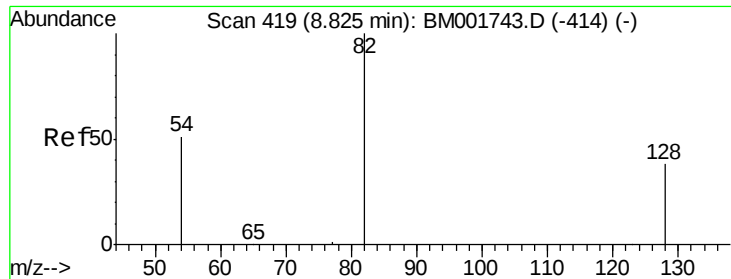
Delta R.T. -0.02 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	136	Resp:	72304
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.4	14.0
54	15.2	4.4	6.6#
68	9.1	3.1	4.7#





#7

Nitrobenzene-d5

Concen: 1.00 ng

RT: 8.81 min Scan# 418

Delta R.T. -0.01 min

Lab File: BM001777.D

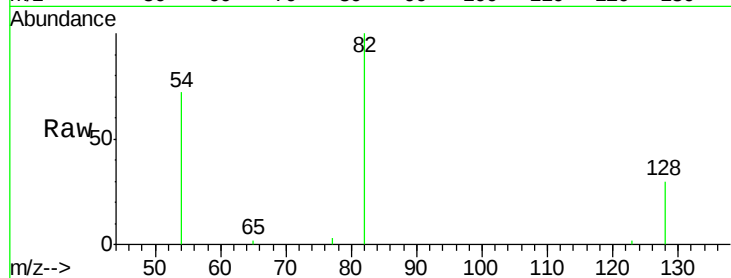
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

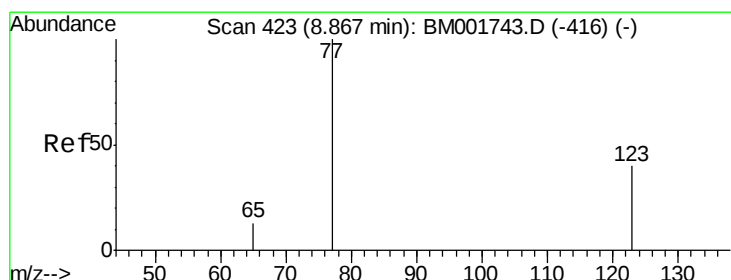
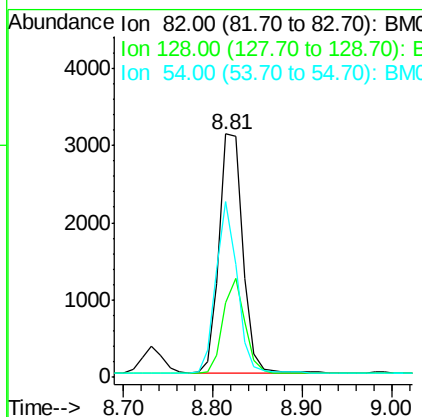
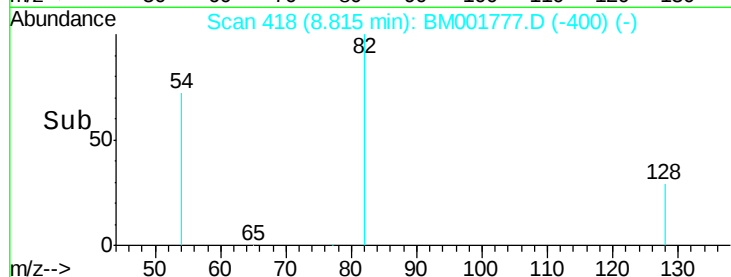
SSTDCCC001EC



Tgt Ion:	82	Resp:	5660
Ion Ratio	Lower	Upper	
82	100		
128	30.4	31.3	46.9#
54	72.4	41.9	62.9#

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#8

Nitrobenzene

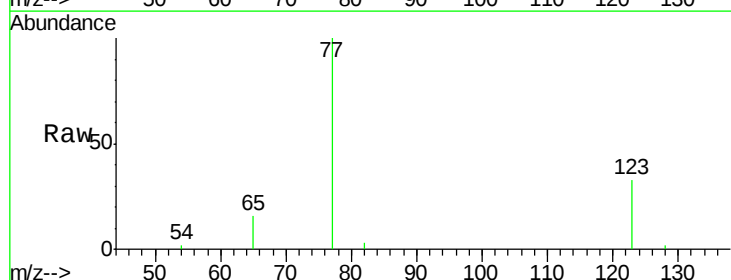
Concen: 1.01 ng

RT: 8.86 min Scan# 422

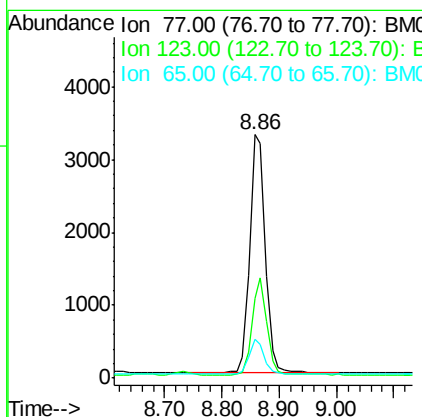
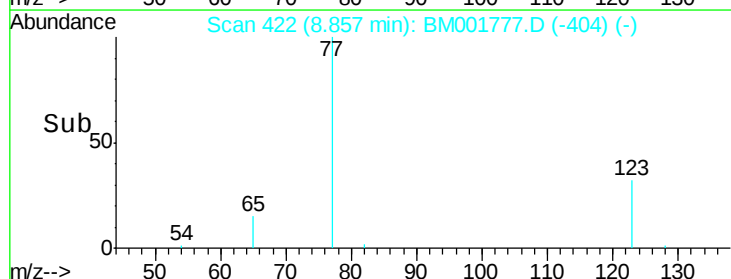
Delta R.T. -0.01 min

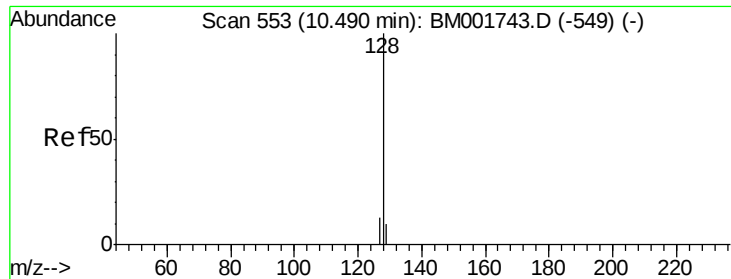
Lab File: BM001777.D

Acq: 22 Jun 2015 17:48



Tgt Ion:	77	Resp:	6101
Ion Ratio	Lower	Upper	
77	100		
123	38.3	30.1	45.1
65	14.1	11.3	16.9





#9

Naphthalene

Concen: 0.98 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001777.D

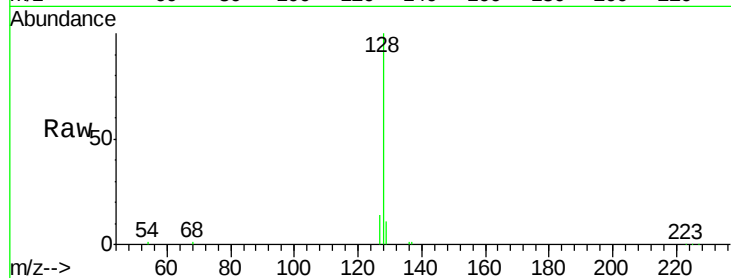
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

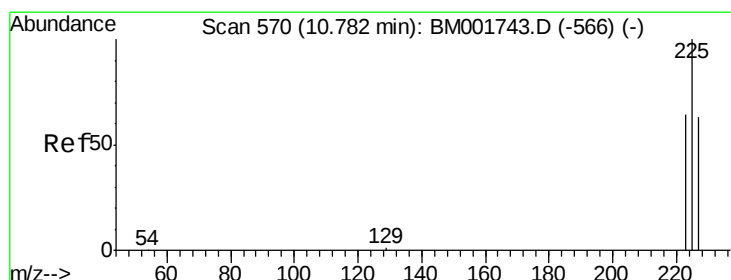
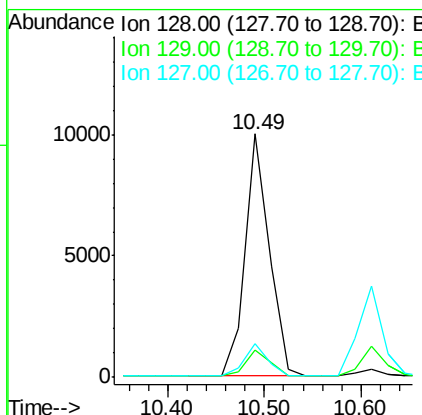
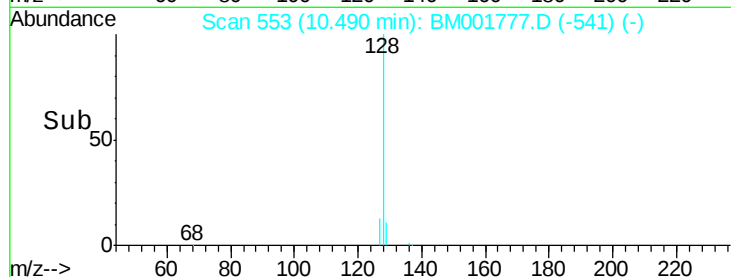
SSTDCCC001EC



Tgt Ion:	128	Resp:	17272
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.7	13.1
127	13.7	11.2	16.8

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#10

Hexachlorobutadiene

Concen: 0.96 ng

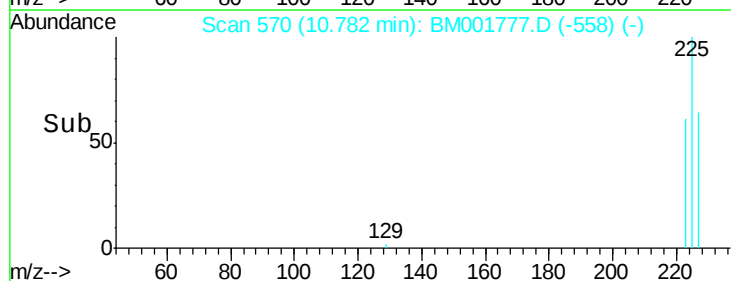
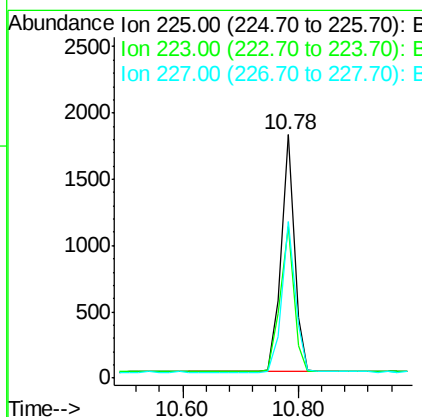
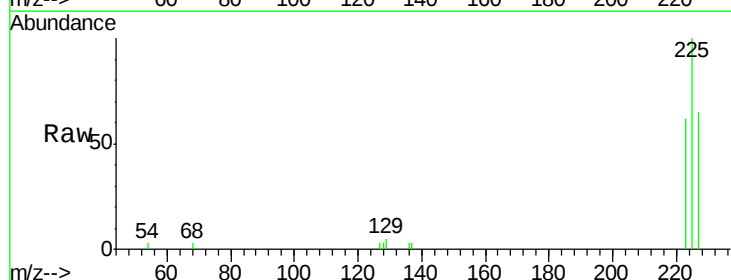
RT: 10.78 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	225	Resp:	2846
Ion Ratio	Lower	Upper	
225	100		
223	63.4	51.0	76.4
227	64.1	51.8	77.8





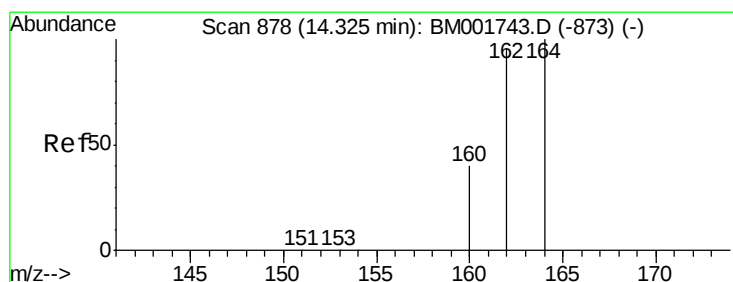
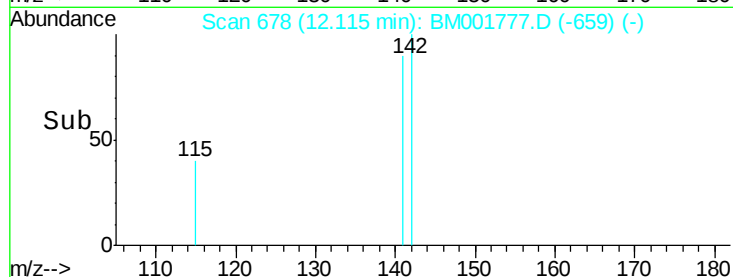
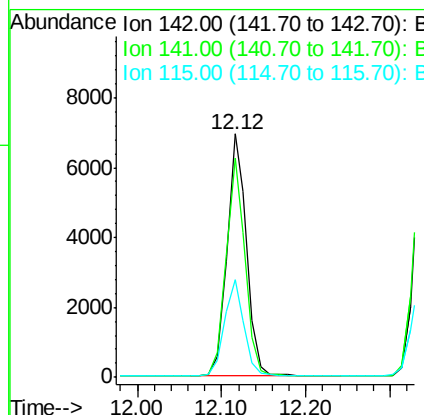
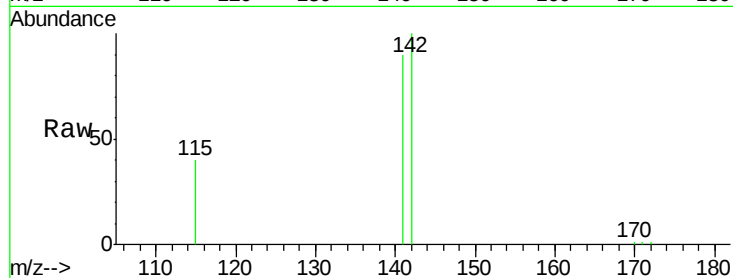
#11
2-Methylnaphthalene
Concen: 1.00 ng
RT: 12.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: BM001777.D
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SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.6	110.4
115	40.4	34.1	51.1

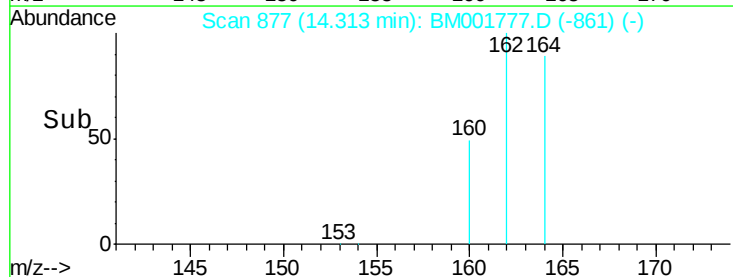
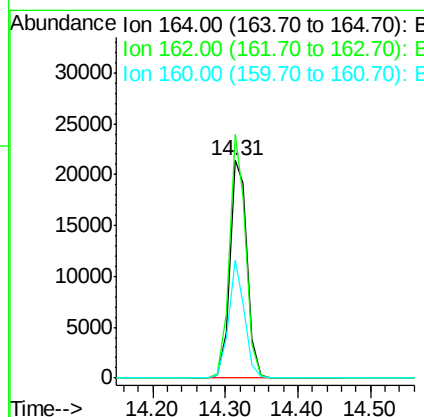
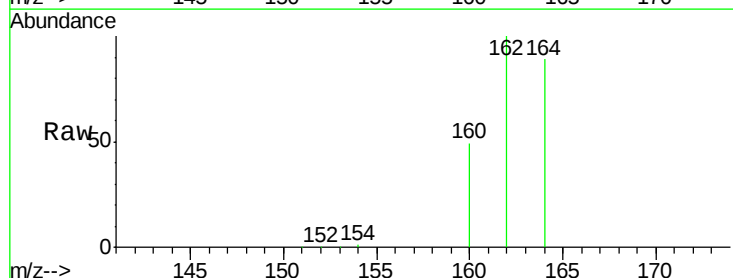
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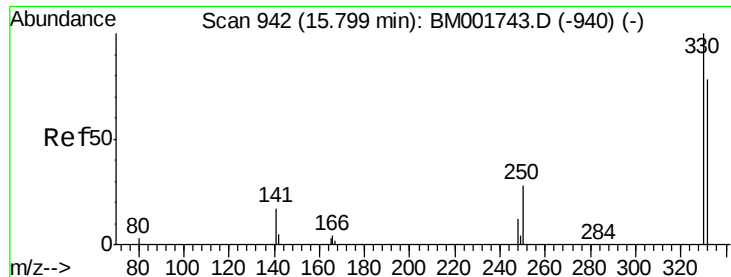
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 877
Delta R.T. -0.01 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.8	76.6	114.8
160	54.4	31.8	47.8#





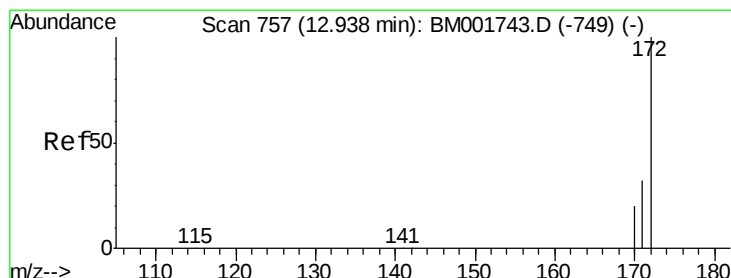
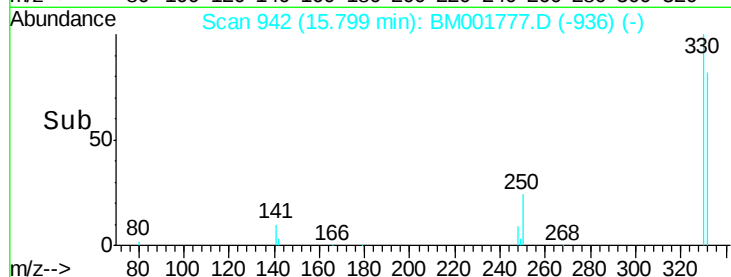
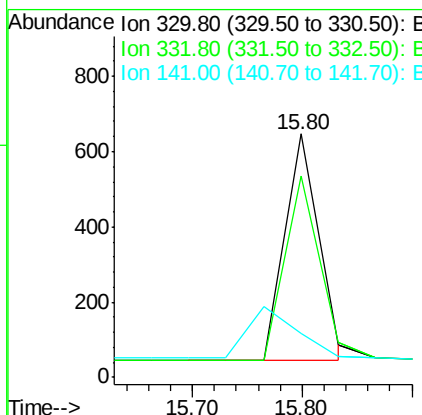
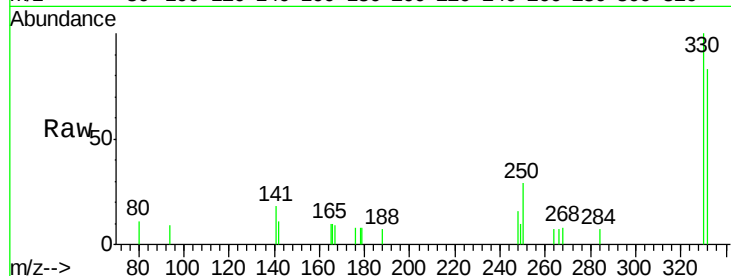
#13
 2,4,6-Tribromophenol
 Concen: 1.18 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001777.D
 Acq: 22 Jun 2015 17:48

Instrument :
 BNA_M
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 SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1310		
332	83.5	65.8	98.8	
141	0.0	0.0	0.0	

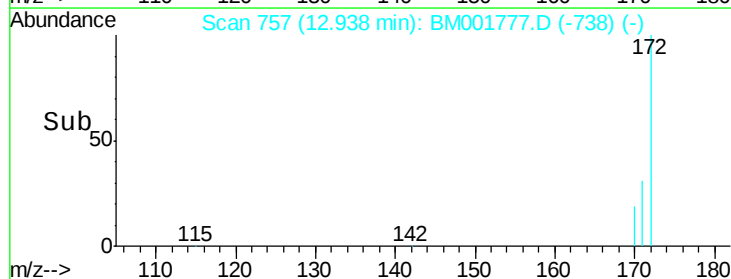
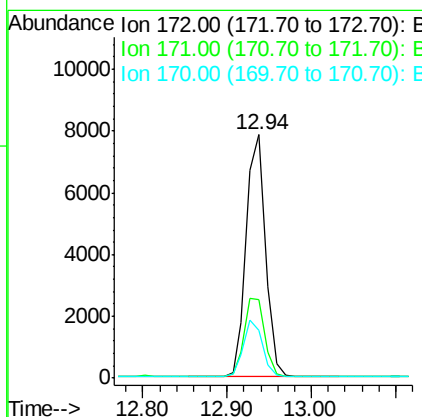
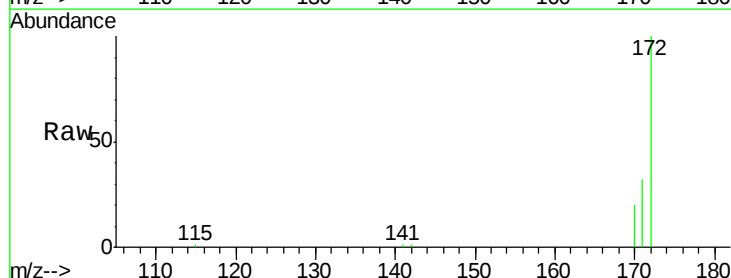
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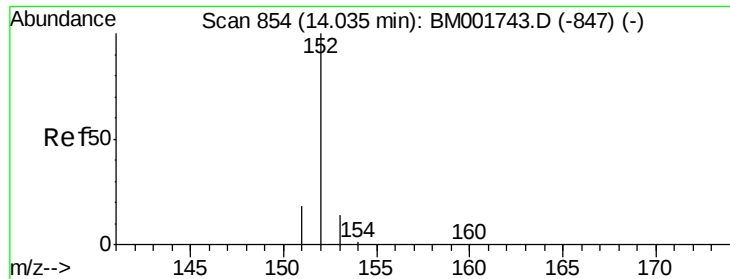
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#14
 2-Fluorobiphenyl
 Concen: 0.97 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001777.D
 Acq: 22 Jun 2015 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	12414		
171	32.1	26.2	39.2	
170	19.6	16.6	24.8	





#15

Acenaphthylene

Concen: 1.01 ng

RT: 14.03 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

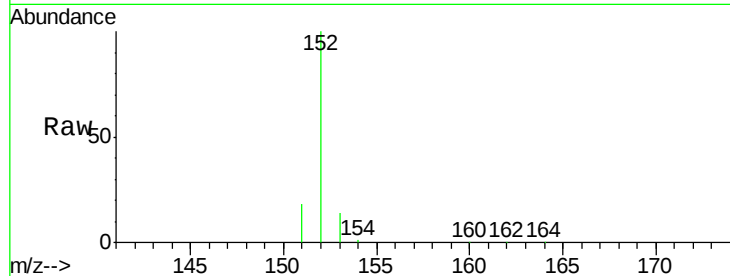
ClientSampleId :

SSTDCCC001EC

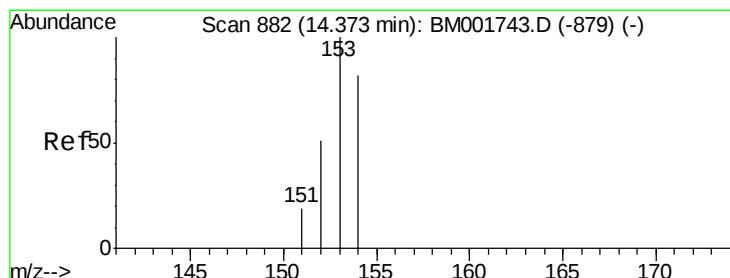
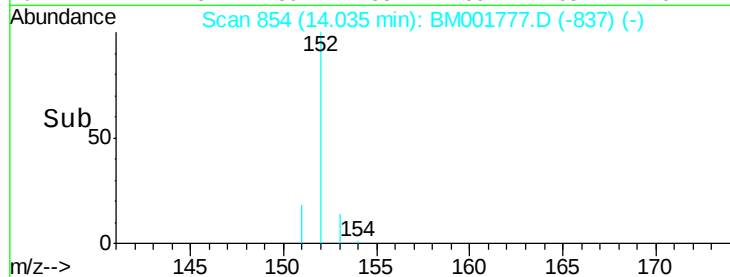
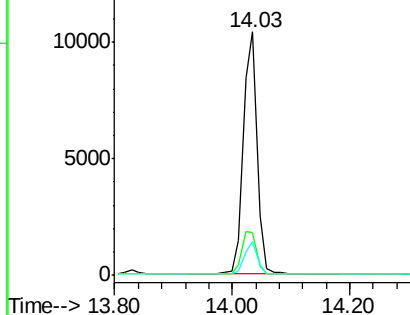
Tgt Ion:	152	Resp:	17150
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.4	23.2
153	12.8	10.4	15.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.98 ng

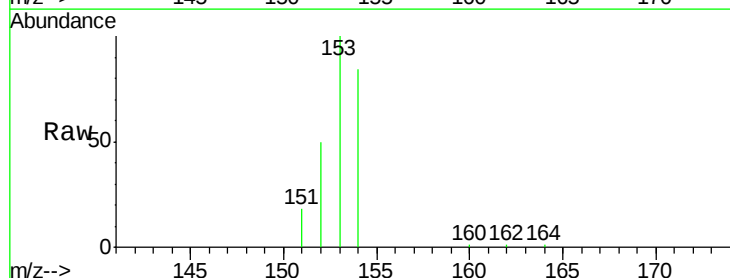
RT: 14.37 min Scan# 882

Delta R.T. 0.00 min

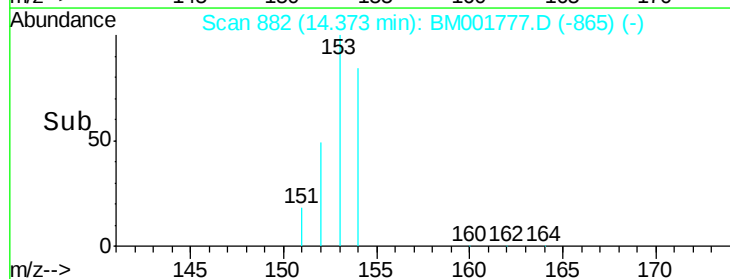
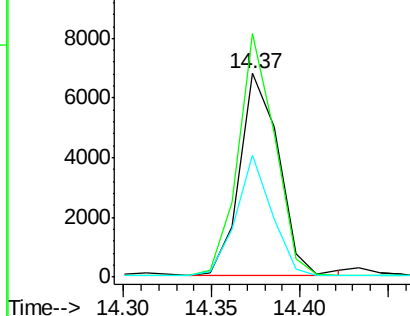
Lab File: BM001777.D

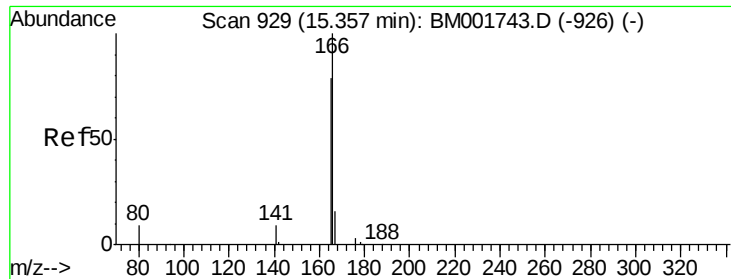
Acq: 22 Jun 2015 17:48

Tgt Ion:	154	Resp:	10447
Ion Ratio	Lower	Upper	
154	100		
153	112.2	90.0	135.0
152	54.6	44.2	66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





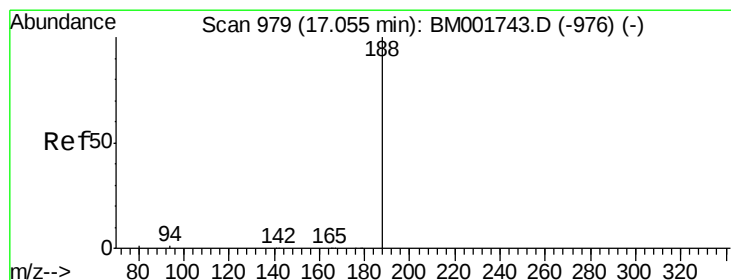
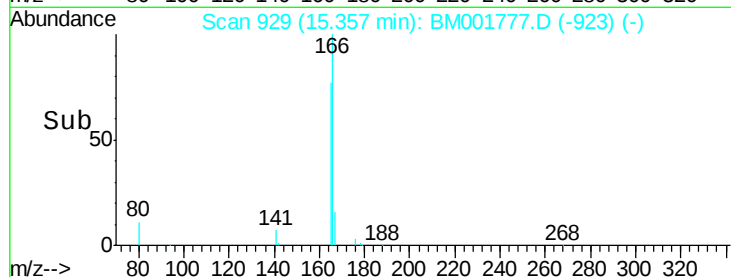
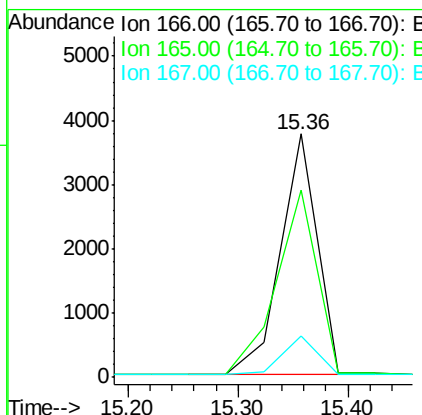
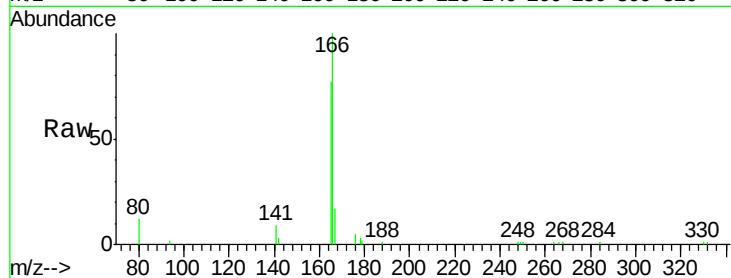
#17
Fluorene
 Concen: 0.95 ng
 RT: 15.36 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM001777.D
 Acq: 22 Jun 2015 17:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
166	100		
165	84.9	68.2	102.2
167	15.2	12.2	18.2

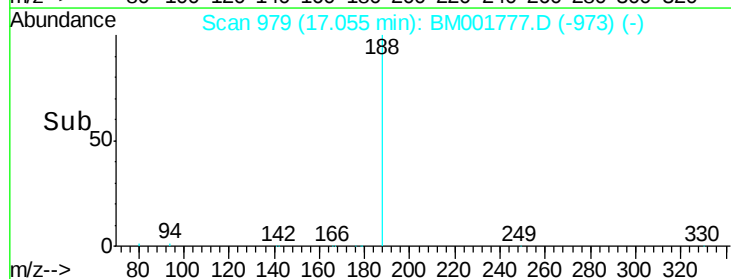
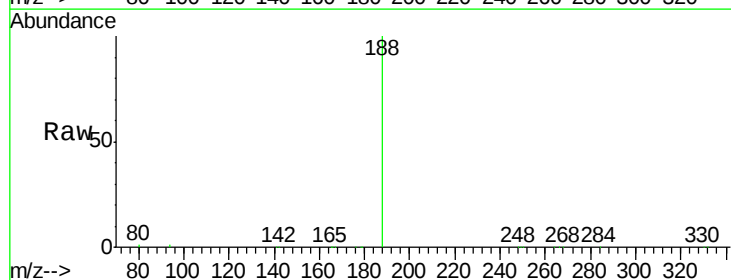
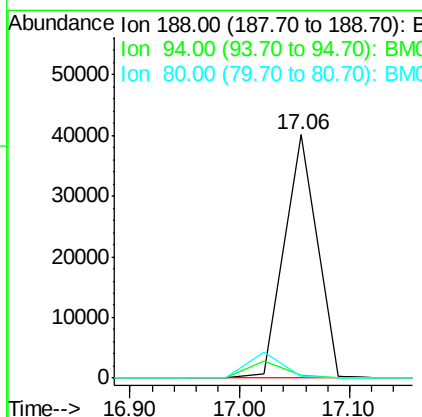
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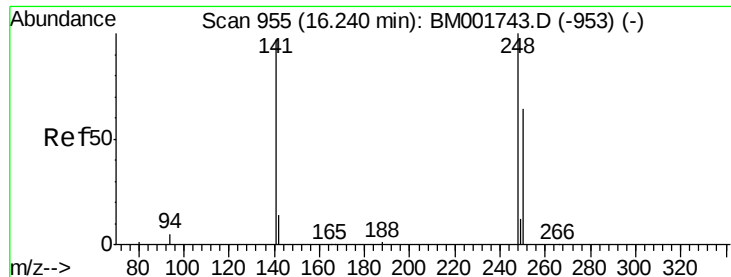
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BM001777.D
 Acq: 22 Jun 2015 17:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	1.1	1.3	1.9#
80	0.9	1.0	1.6#





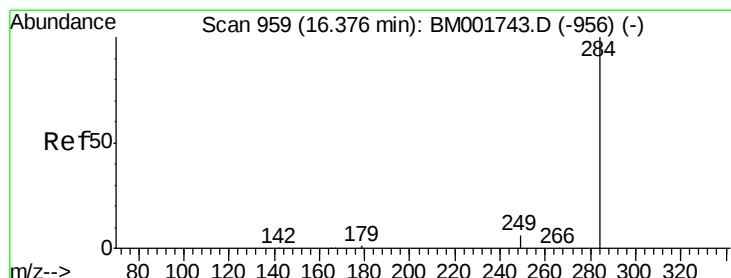
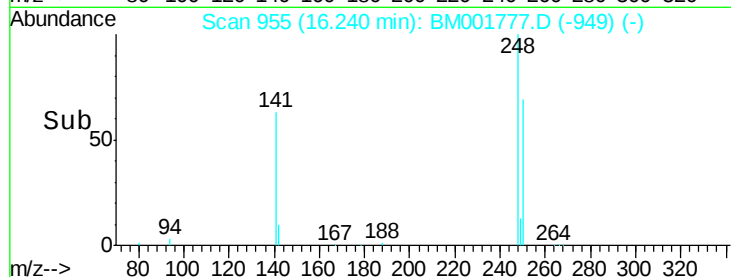
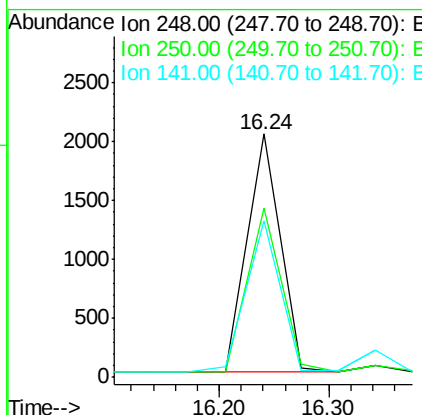
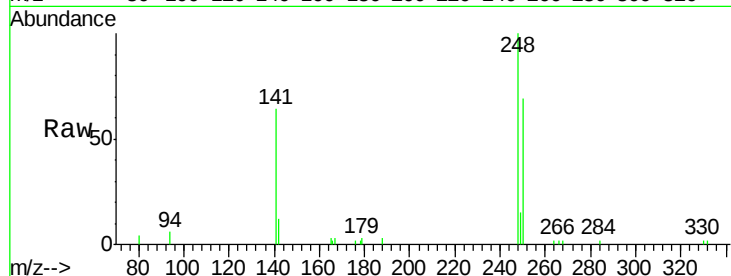
#19
4-Bromophenyl-phenylether
Concen: 1.23 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
248	100		
250	70.8	54.8	82.2
141	64.3	76.2	114.4

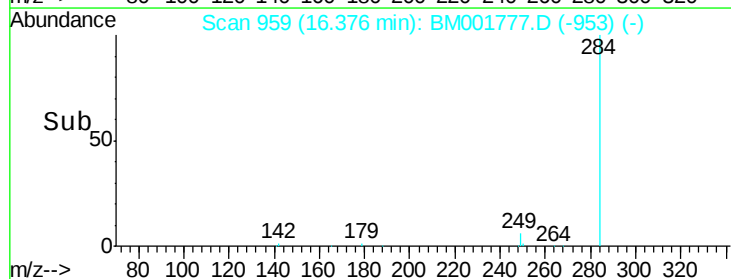
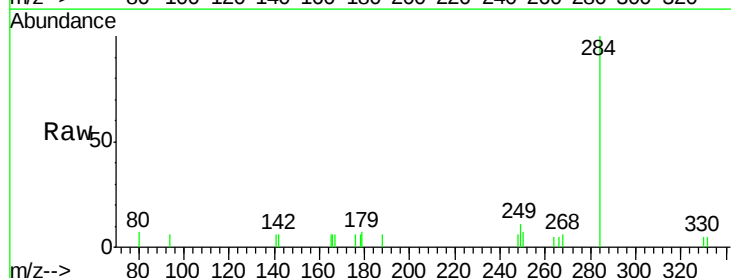
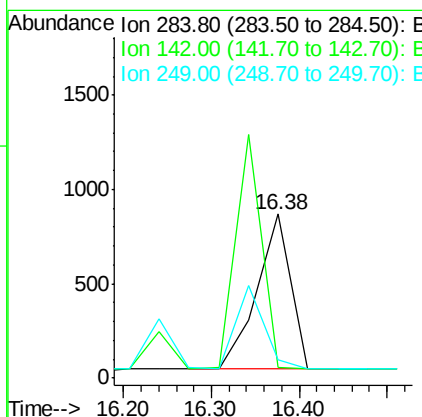
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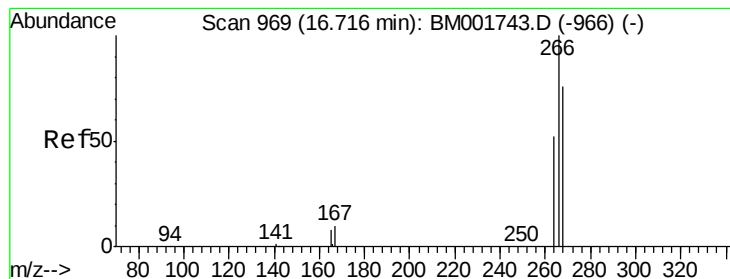
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#20
Hexachlorobenzene
Concen: 0.94 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





#21

Pentachlorophenol

Concen: 1.08 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001777.D

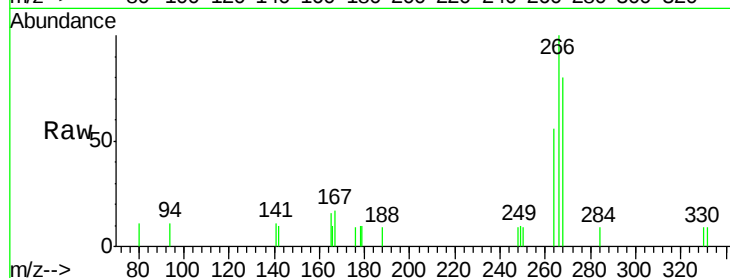
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

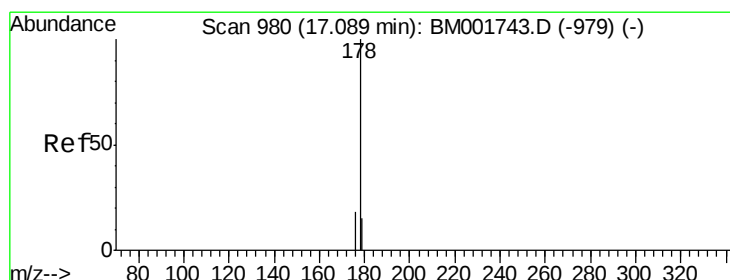
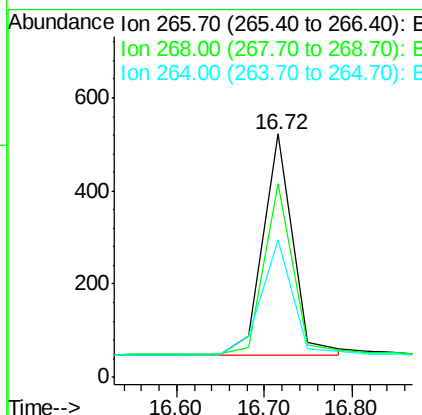
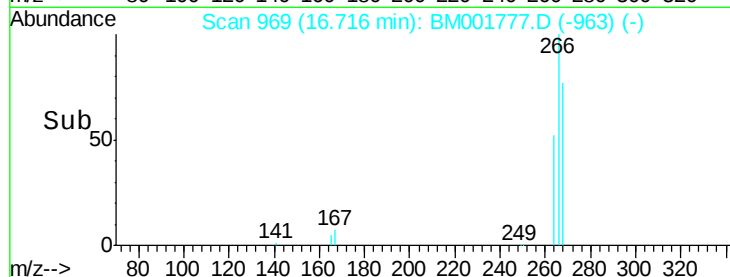
SSTDCCC001EC



Tgt Ion:	266	Resp:	1127
Ion Ratio	Lower	Upper	
266	100		
268	79.5	63.2	94.8
264	56.4	46.2	69.2

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#22

Phenanthrene

Concen: 1.03 ng

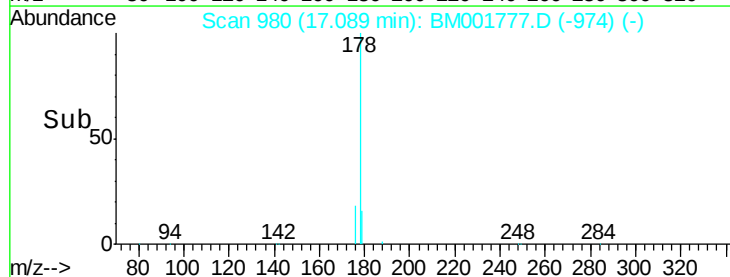
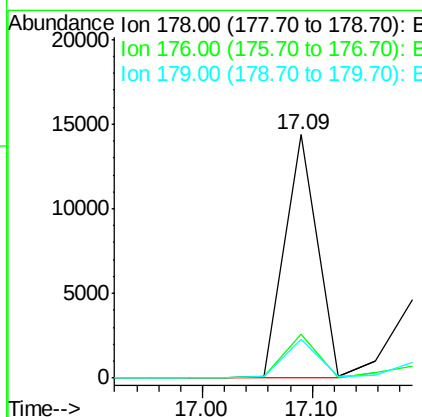
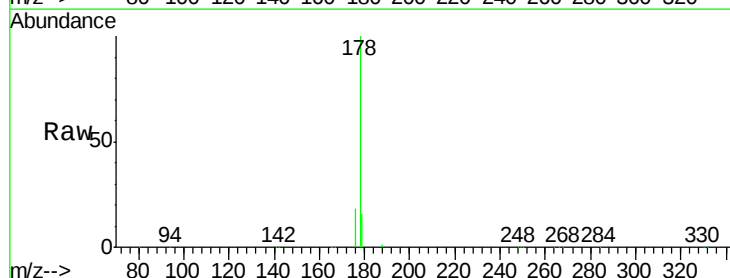
RT: 17.09 min Scan# 980

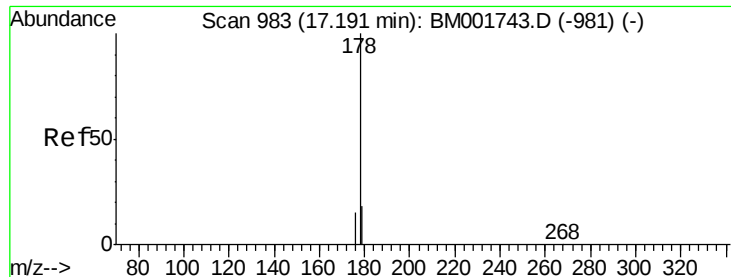
Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	178	Resp:	29427
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.4	23.2
179	15.8	12.6	19.0





#23

Anthracene

Concen: 0.99 ng m

RT: 17.19 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM001777.D

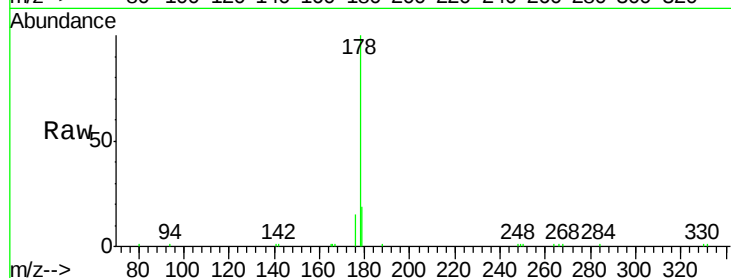
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

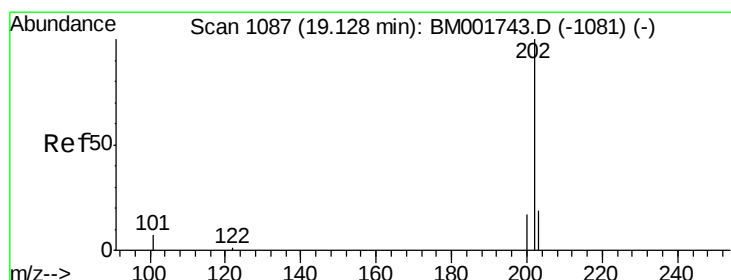
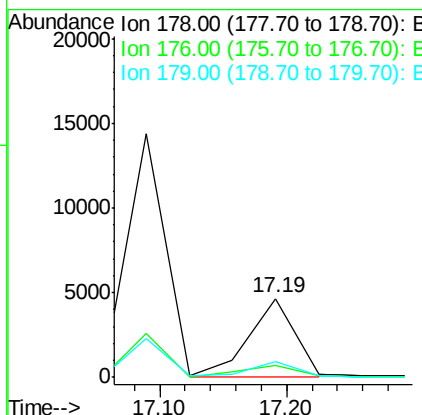
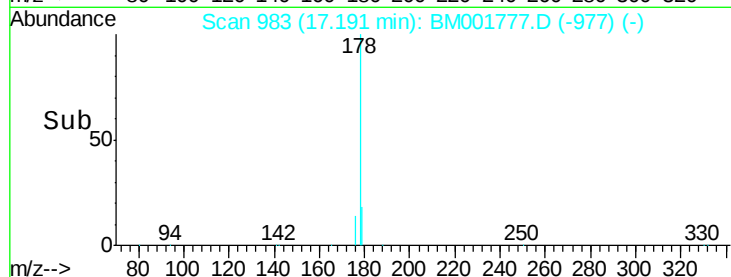
SSTDCCC001EC



Tgt Ion:	178	Resp:	11890
Ion Ratio	Lower	Upper	
178	100		
176	0.0	10.0	15.0#
179	14.5	12.3	18.5

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#24

Fluoranthene

Concen: 1.10 ng

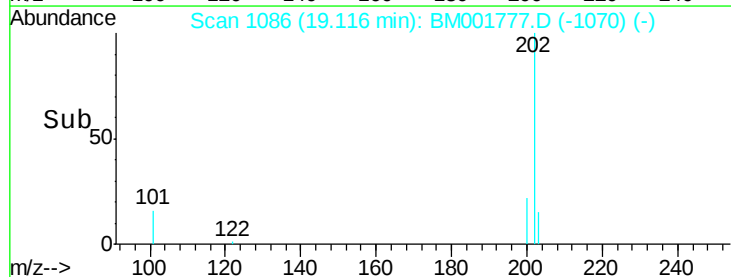
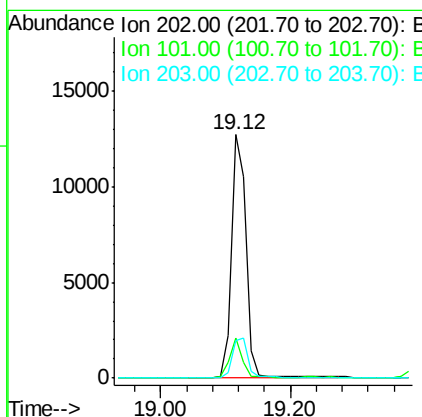
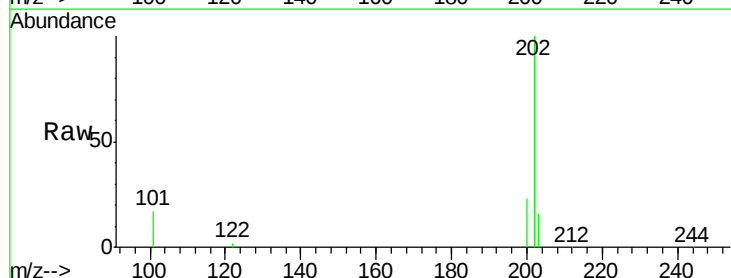
RT: 19.12 min Scan# 1086

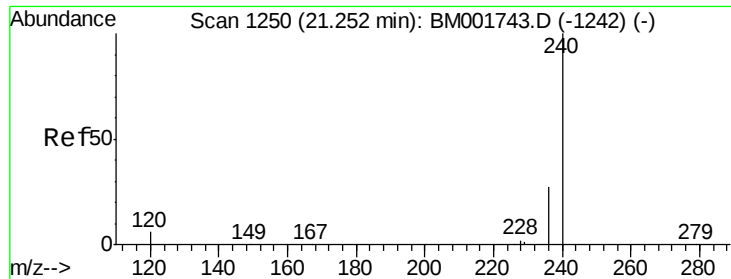
Delta R.T. -0.01 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	202	Resp:	19748
Ion Ratio	Lower	Upper	
202	100		
101	13.7	10.8	16.2
203	17.0	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

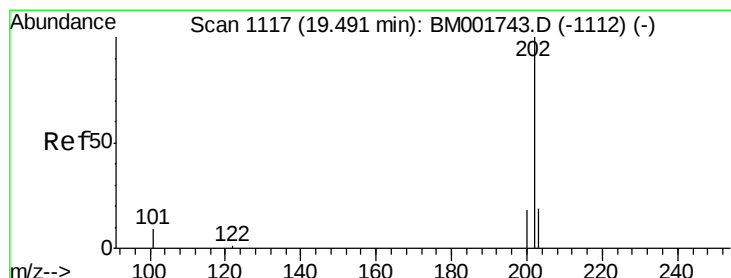
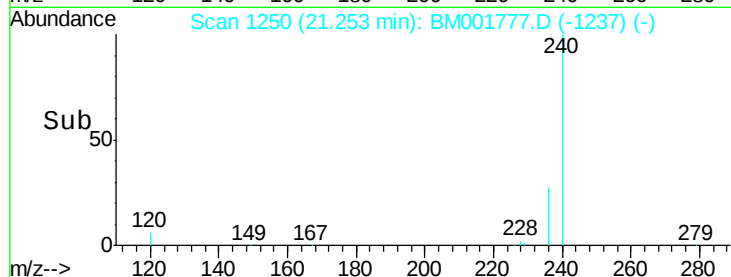
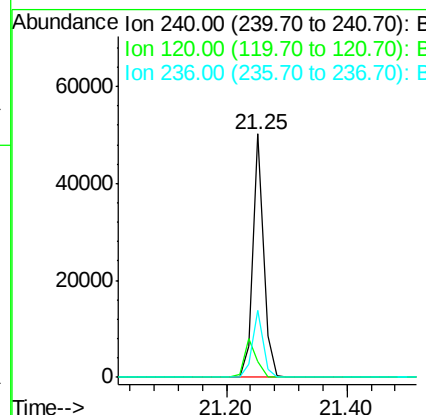
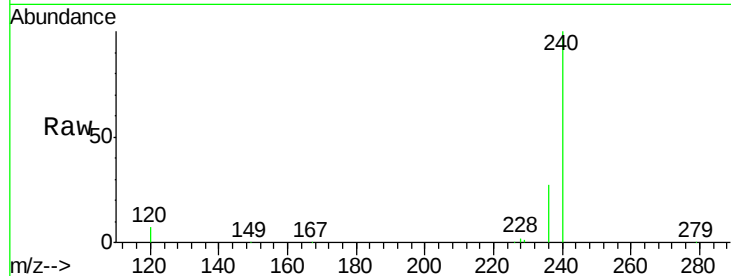
ClientSampleId :

SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.6	4.7	7.1
236	27.3	21.6	32.4

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#26

Pyrene

Concen: 0.99 ng

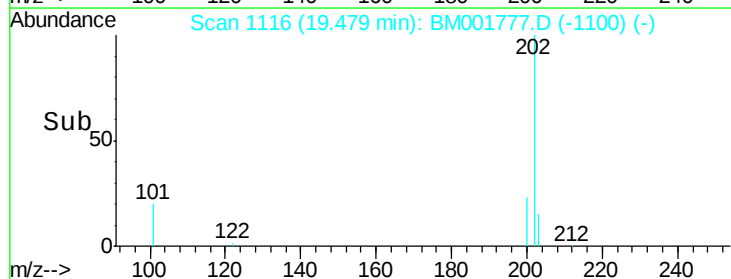
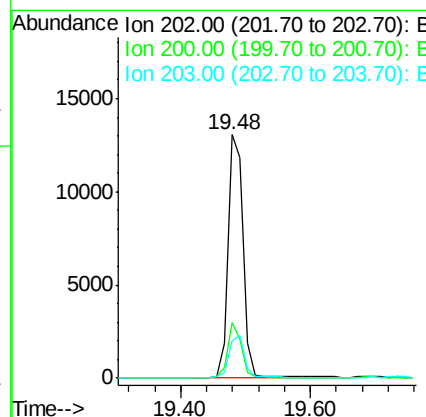
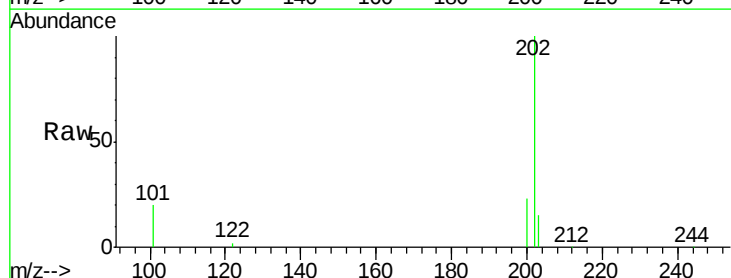
RT: 19.48 min Scan# 1116

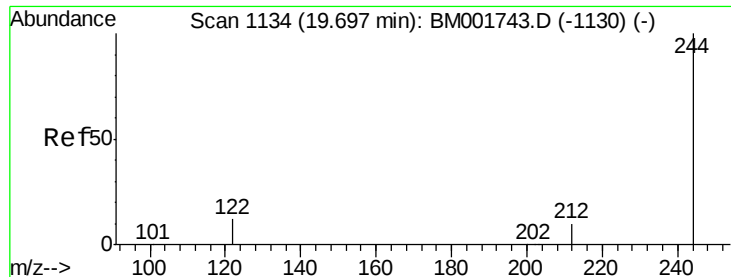
Delta R.T. -0.01 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	17.3	13.9	20.9





#27

Terphenyl-d14

Concen: 1.02 ng

RT: 19.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BM001777.D

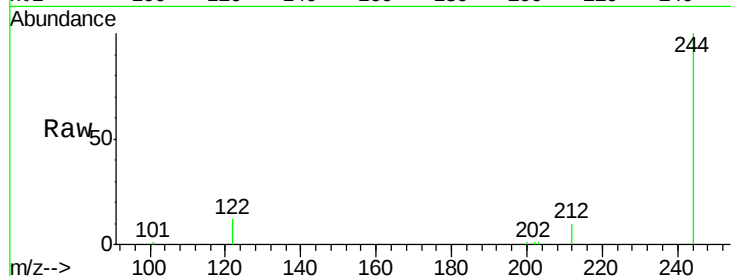
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

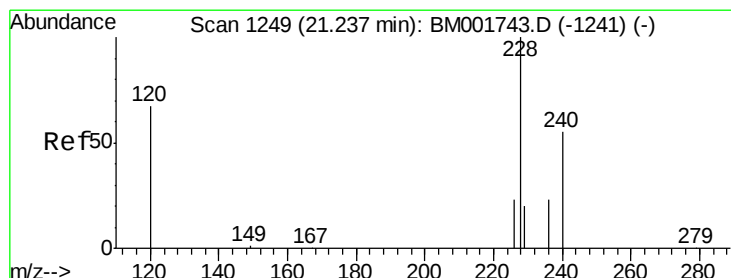
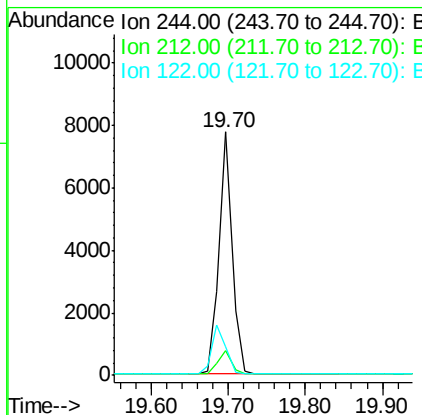
SSTDCCC001EC



Tgt Ion:	244	Resp:	9180
Ion Ratio	Lower	Upper	
244	100		
212	10.1	8.6	13.0
122	11.7	10.6	15.8

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#28

Benzo(a)anthracene

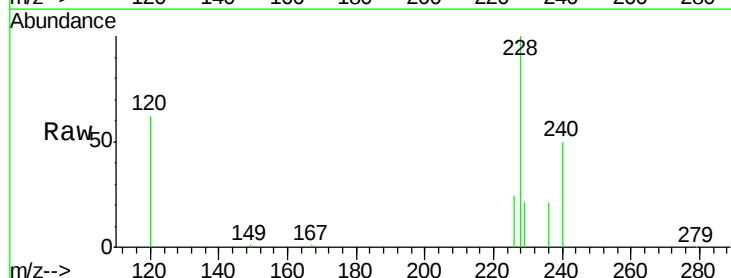
Concen: 0.97 ng

RT: 21.24 min Scan# 1249

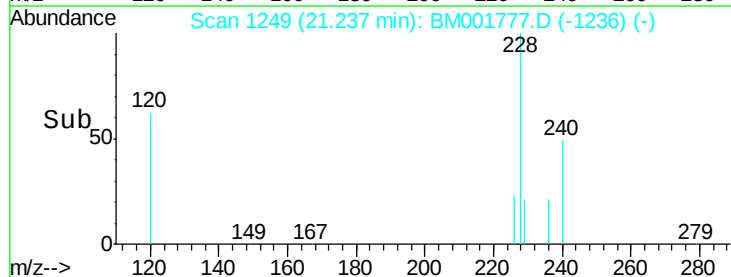
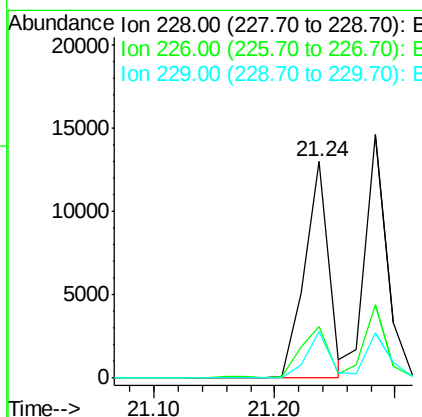
Delta R.T. 0.00 min

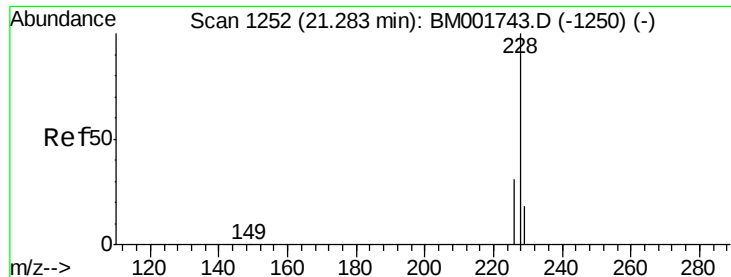
Lab File: BM001777.D

Acq: 22 Jun 2015 17:48



Tgt Ion:	228	Resp:	17768
Ion Ratio	Lower	Upper	
228	100		
226	23.9	18.9	28.3
229	21.3	16.6	25.0





#29

Chrysene

Concen: 0.95 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001777.D

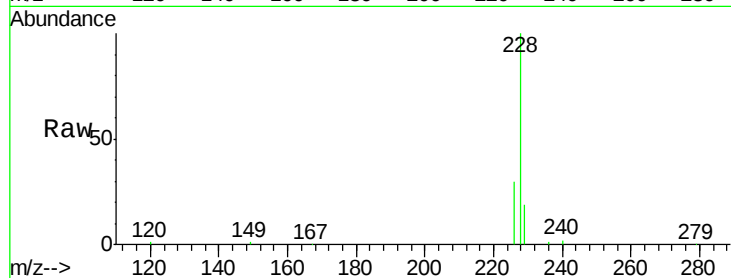
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

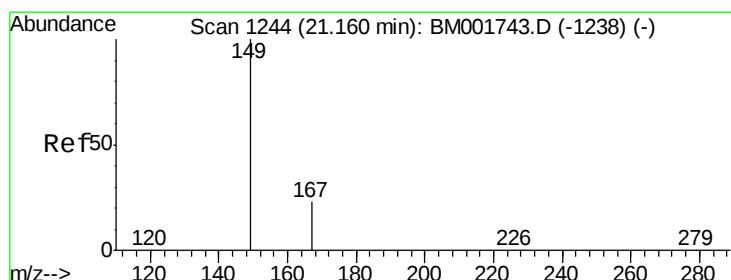
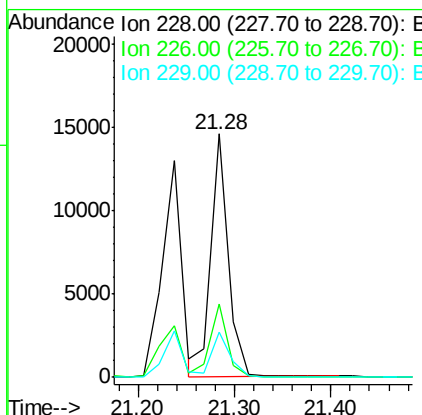
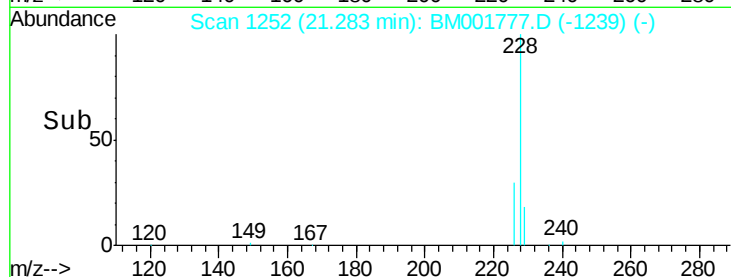
SSTDCCC001EC



Tgt Ion:	228	Resp:	18311
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	18.6	15.0	22.6

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#30

Bis(2-ethylhexyl)phthalate

Concen: 1.03 ng

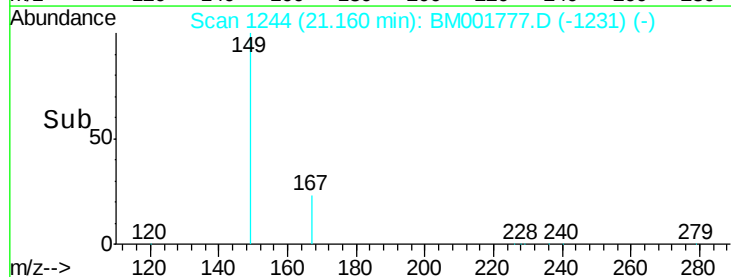
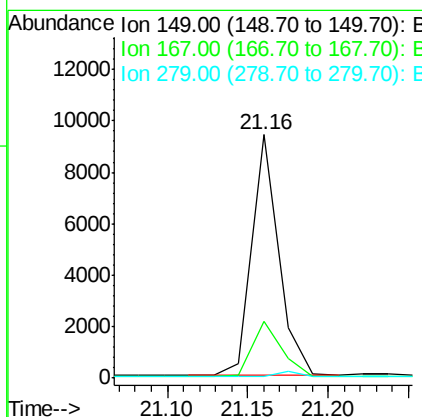
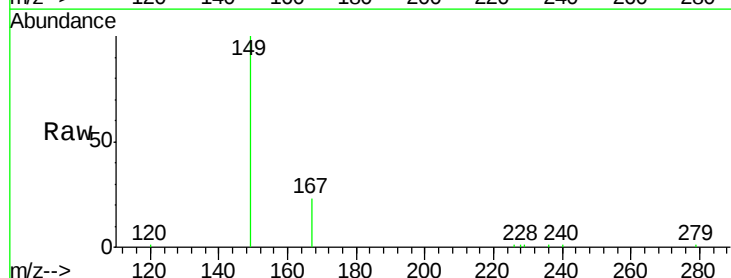
RT: 21.16 min Scan# 1244

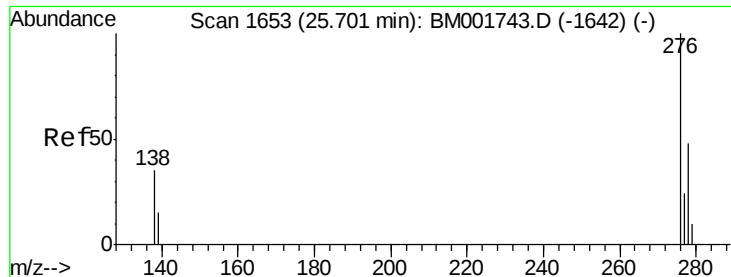
Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

Tgt Ion:	149	Resp:	10871
Ion Ratio	Lower	Upper	
149	100		
167	24.9	19.7	29.5
279	2.2	1.6	2.4





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.96 ng

RT: 25.70 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM001777.D

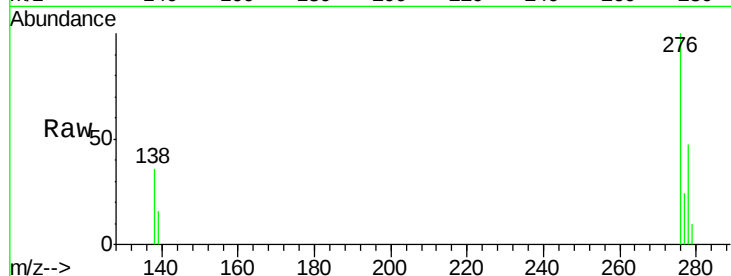
Acq: 22 Jun 2015 17:48

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC



Tgt Ion: 276 Resp: 17820

Ion Ratio Lower Upper

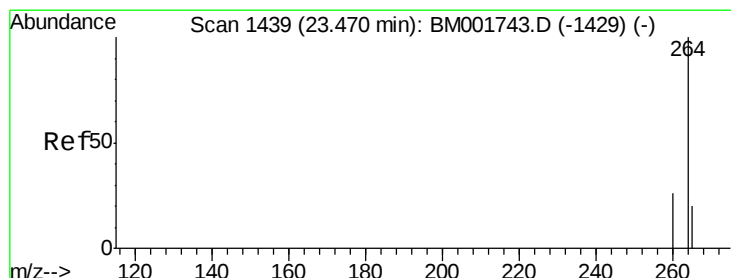
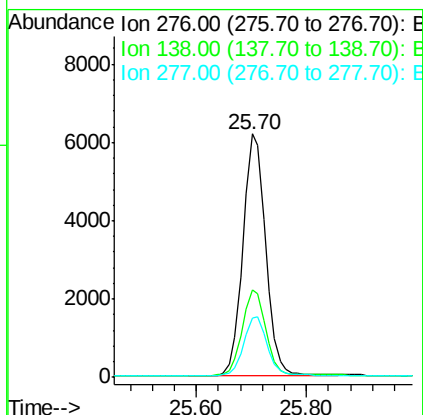
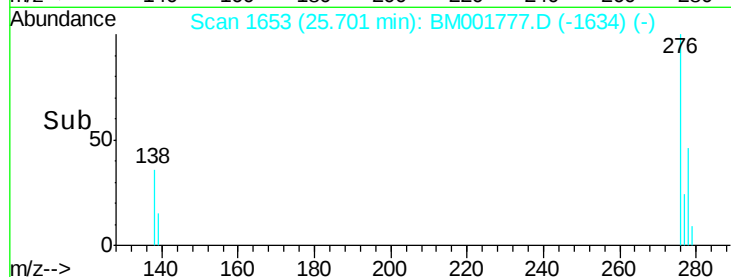
276 100

138 36.5 29.0 43.6

277 24.7 19.7 29.5

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BM001777.D

Acq: 22 Jun 2015 17:48

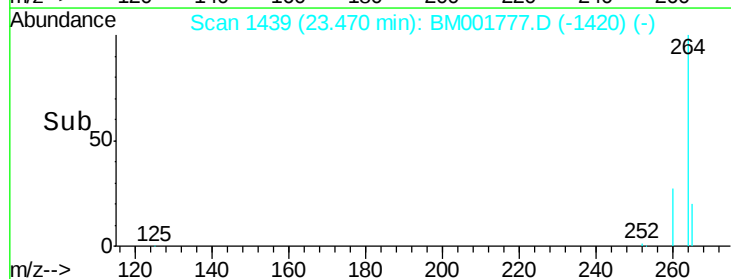
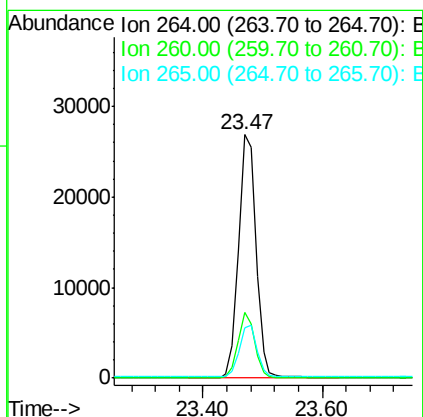
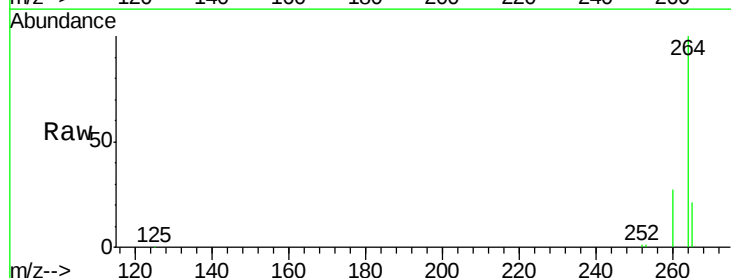
Tgt Ion: 264 Resp: 53641

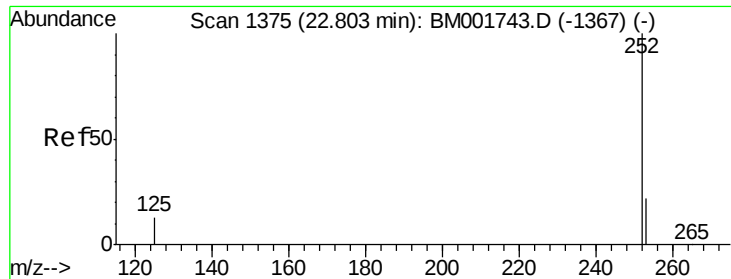
Ion Ratio Lower Upper

264 100

260 26.9 20.8 31.2

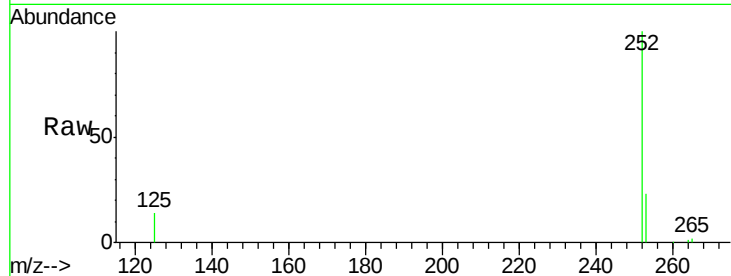
265 20.6 16.8 25.2





#33
Benzo(b)fluoranthene
Concen: 0.97 ng
RT: 22.80 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

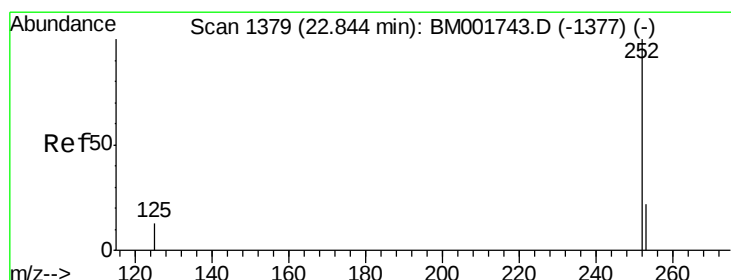
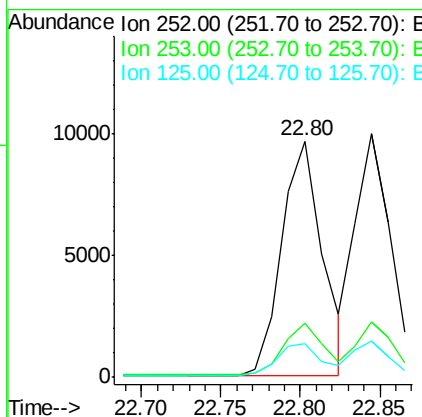
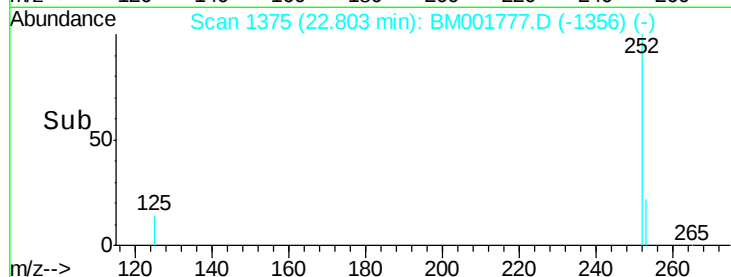
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC



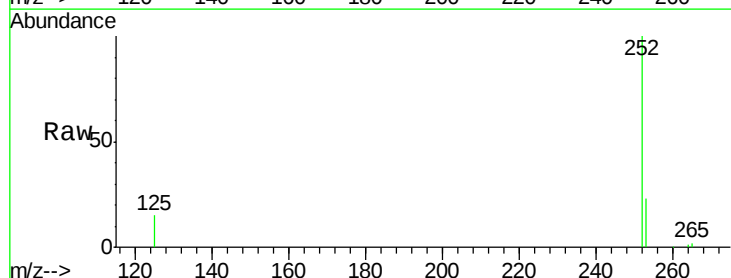
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	14.4	11.3	16.9

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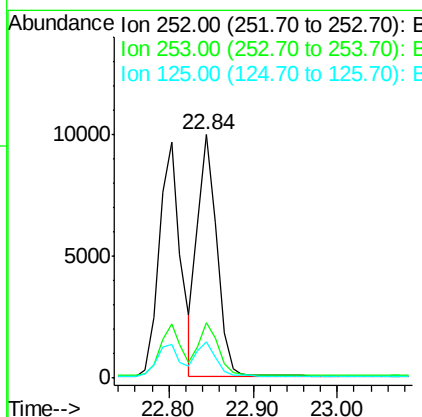
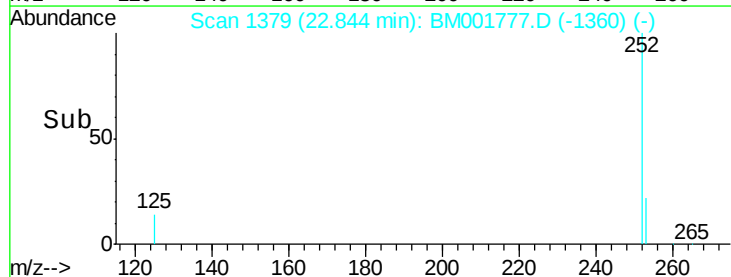
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#34
Benzo(k)fluoranthene
Concen: 0.99 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.8	11.8	17.6





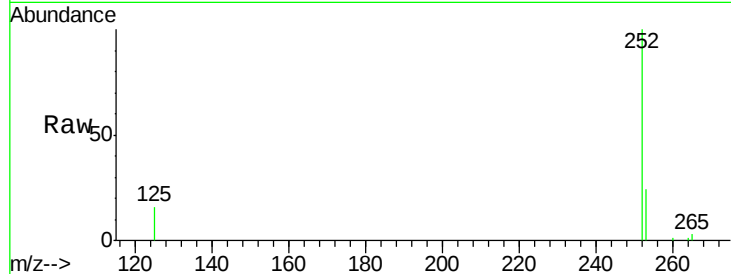
#35
Benzo(a)pyrene
Concen: 1.00 ng
RT: 23.38 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	15.6	14.1	21.1

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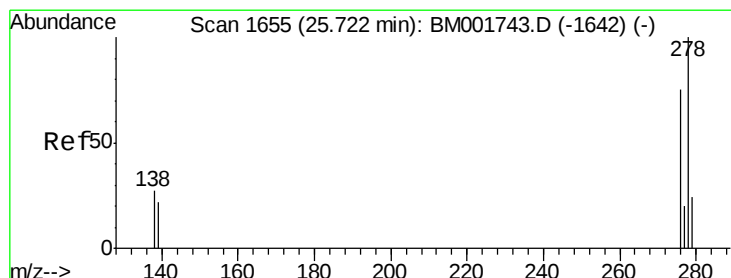
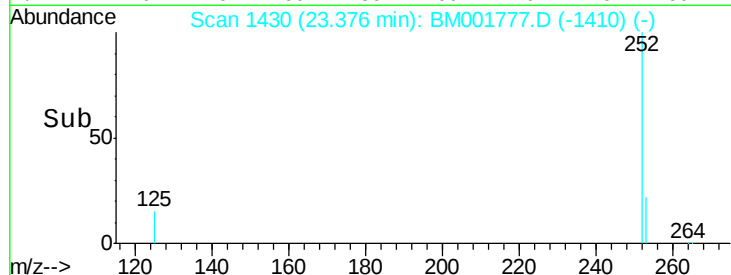
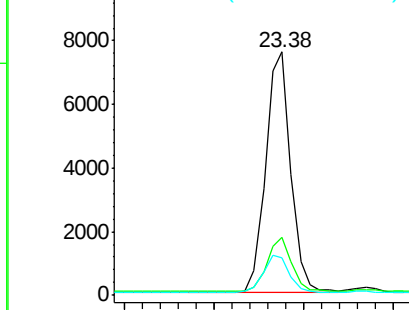


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 25.72 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BM001777.D
Acq: 22 Jun 2015 17:48

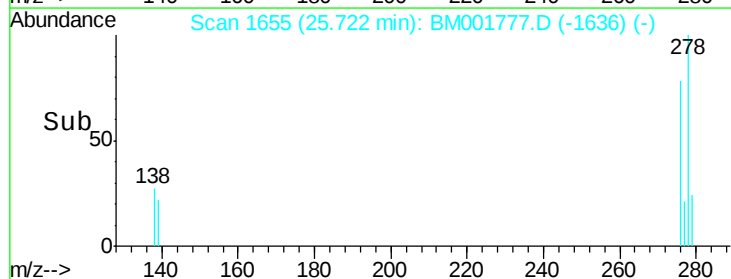
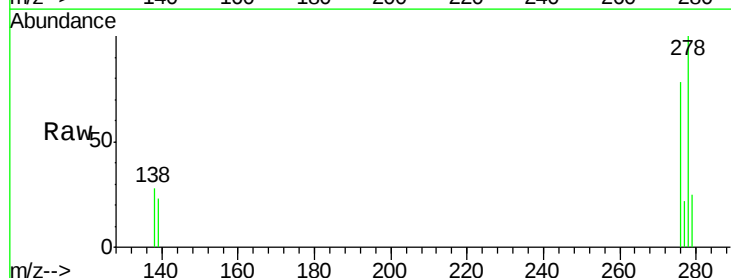
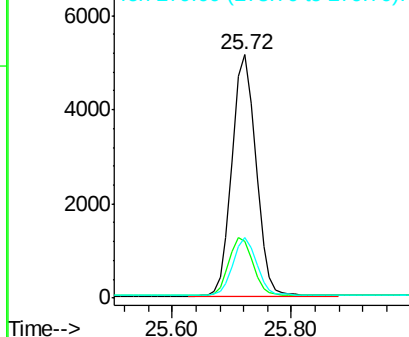
Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.3	18.4	27.6
279	24.8	19.8	29.8

Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





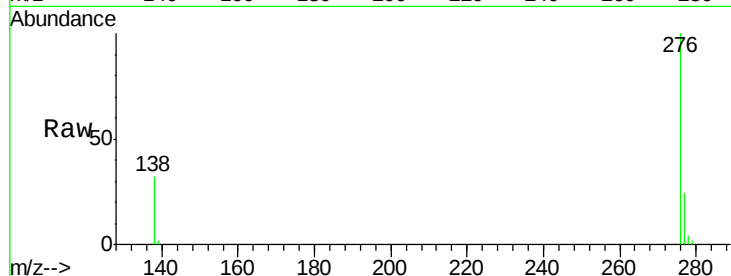
#37
 Benzo(g,h,i)perylene
 Concen: 0.96 ng
 RT: 26.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BM001777.D
 Acq: 22 Jun 2015 17:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	31.6	24.7	37.1

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

