

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
 Data File : BM001742.D
 Acq On : 18 Jun 2015 18:24
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Manual Integrations
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Quant Time: Jun 19 04:26:15 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 04:18:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	16461	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	60587	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	29655	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	78475	5.00	ng	0.00
25) Chrysene-d12	21.25	240	51798	5.00	ng	0.00
32) Perylene-d12	23.47	264	47120	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	6878	1.76	ng	0.00
5) Phenol-d6	6.83	99	8928	1.81	ng	0.00
7) Nitrobenzene-d5	8.83	82	8453	1.81	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	1810	1.72	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	18535	1.77	ng	0.00
27) Terphenyl-d14	19.70	244	13260	1.70	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	3327	1.60	ng	97
3) n-Nitrosodimethylamine	3.48	42	5341	1.85	ng	97
8) Nitrobenzene	8.87	77	9269	1.83	ng	99
9) Naphthalene	10.49	128	25818	1.75	ng	99
10) Hexachlorobutadiene	10.78	225	4257	1.73	ng	99
11) 2-Methylnaphthalene	12.12	142	16541	1.74	ng	99
15) Acenaphthylene	14.03	152	26051	1.87	ng	100
16) Acenaphthene	14.37	154	15518	1.75	ng	99
17) Fluorene	15.36	166	14358	1.59	ng	98
19) 4-Bromophenyl-phenylether	16.24	248	5526	0.79	ng	94
20) Hexachlorobenzene	16.38	284	3622	0.56	ng	# 100
21) Pentachlorophenol	16.72	266	1834	1.00	ng	97
22) Phenanthrene	17.09	178	43980	1.69	ng	98
23) Anthracene	17.19	178	19272m	0.69	ng	
24) Fluoranthene	19.12	202	29834	0.86	ng	100
26) Pyrene	19.48	202	31896	1.79	ng	100
28) Benzo(a)anthracene	21.24	228	27904	1.72	ng	99
29) Chrysene	21.28	228	28766	1.83	ng	99
30) Bis(2-ethylhexyl)phthalate	21.16	149	16330	1.62	ng	100
31) Indeno(1,2,3-cd)pyrene	25.70	276	28370	2.21	ng	100
33) Benzo(b)fluoranthene	22.80	252	27099	1.75	ng	99
34) Benzo(k)fluoranthene	22.84	252	24500	1.65	ng	99
35) Benzo(a)pyrene	23.38	252	23209	1.80	ng	97
36) Dibenzo(a,h)anthracene	25.72	278	22800	2.05	ng	98
37) Benzo(g,h,i)perylene	26.39	276	23627	1.97	ng	99

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

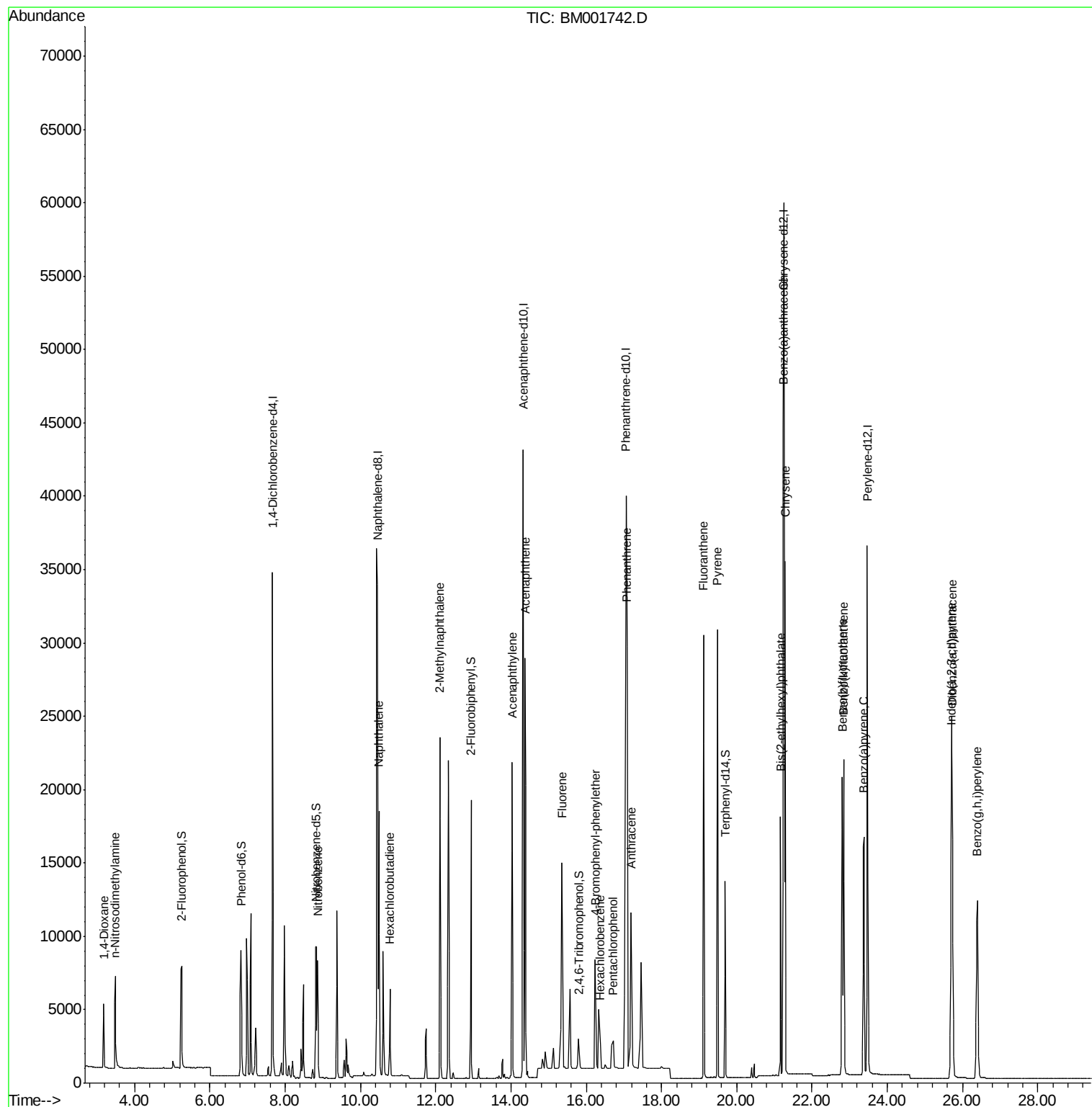
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001742.D
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QLast Update : Fri Jun 19 04:18:06 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. -0.00 min

Lab File: BM001742.D

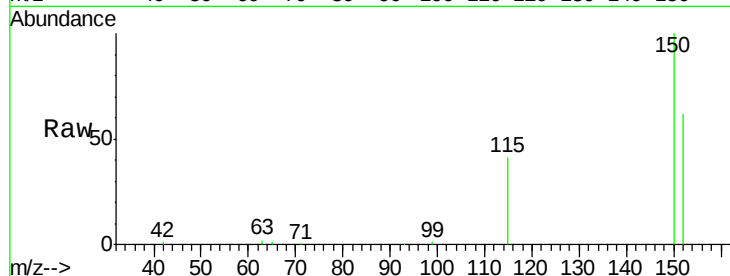
Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

ClientSampleId :

SSTDIC002



Tgt Ion: 152 Resp: 16461

Ion Ratio Lower Upper

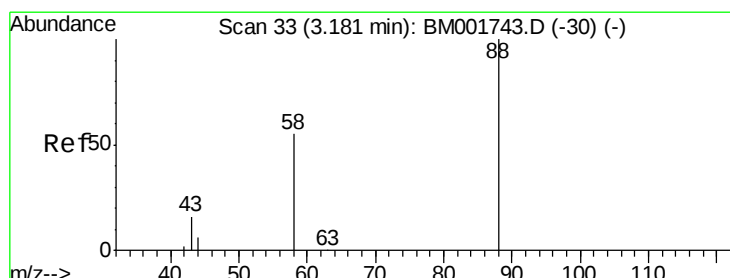
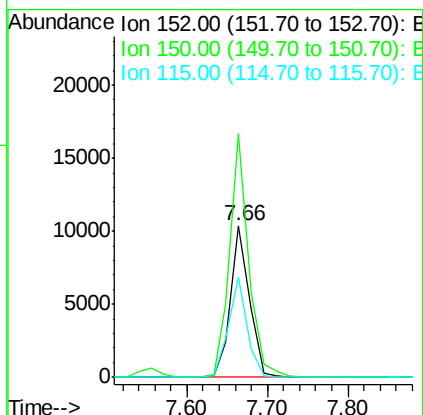
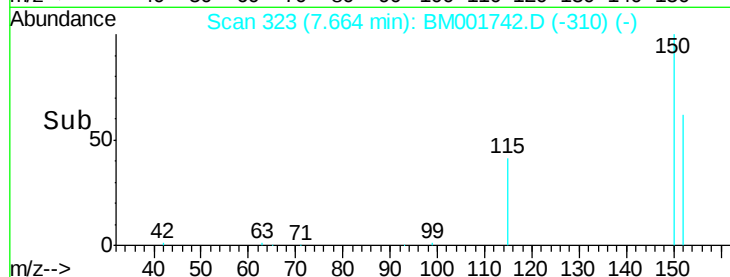
152 100

150 160.5 127.5 191.3

115 65.9 53.2 79.8

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#2

1,4-Dioxane

Concen: 1.60 ng

RT: 3.18 min Scan# 33

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

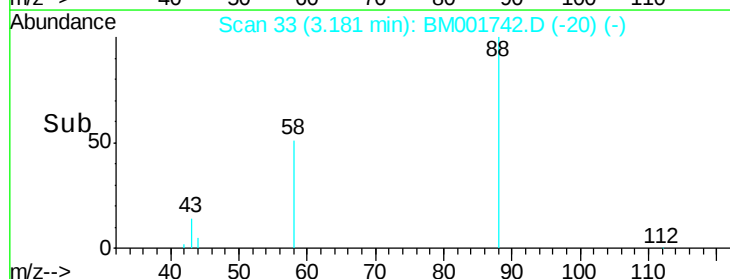
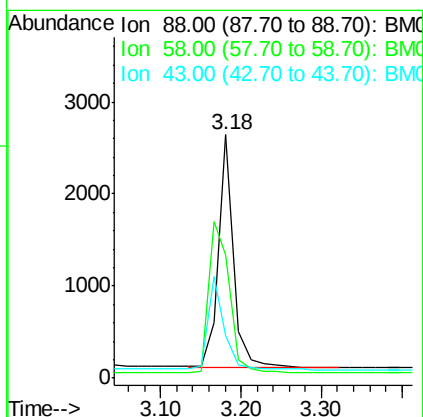
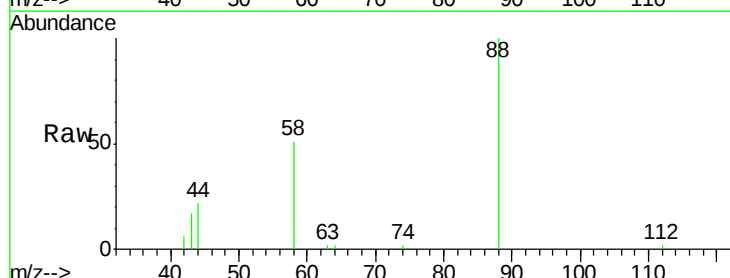
Tgt Ion: 88 Resp: 3327

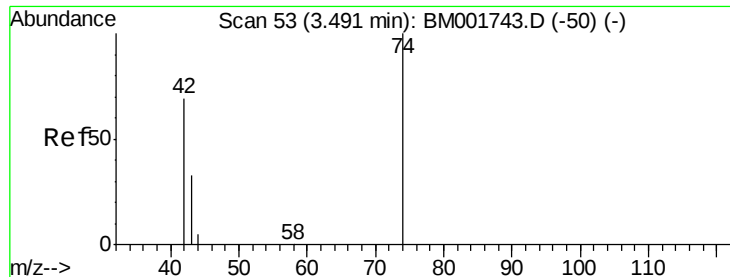
Ion Ratio Lower Upper

88 100

58 89.1 68.3 102.5

43 41.9 32.6 48.8





#3

n-Nitrosodimethylamine

Concen: 1.85 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

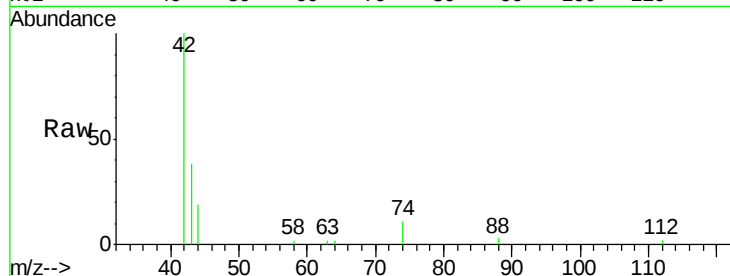
ClientSampleId :

SSTDICC002

Tgt Ion:	42	Resp:	5341
Ion	Ratio	Lower	Upper
42	100		
74	95.0	78.6	118.0
44	6.7	5.0	7.6

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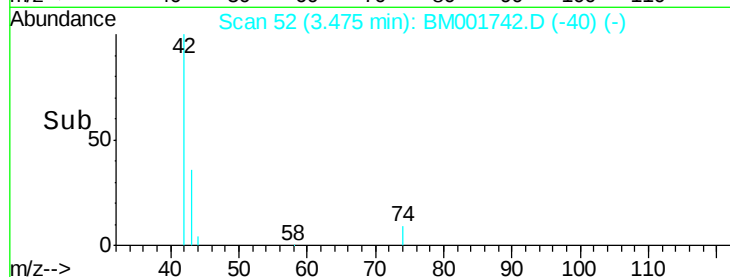


Abundance Ion 42.00 (41.70 to 42.70): BM001743.D (-50) (-)

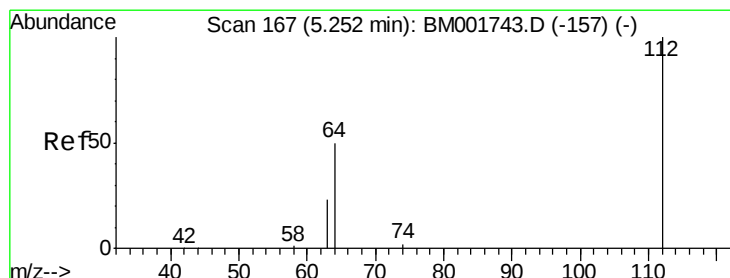
Ion 74.00 (73.70 to 74.70): BM001743.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001743.D (-50) (-)

Time-->



Time-->



#4

2-Fluorophenol

Concen: 1.76 ng

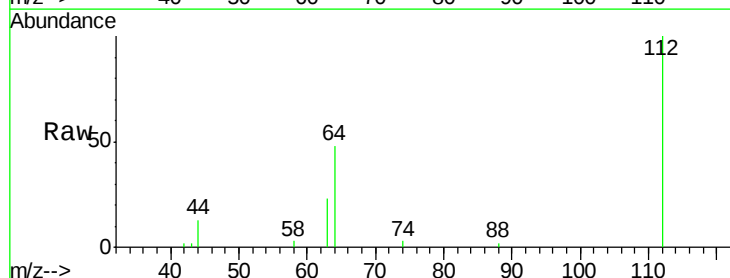
RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	112	Resp:	6878
Ion	Ratio	Lower	Upper
112	100		
64	70.0	55.6	83.4
63	38.0	30.2	45.2

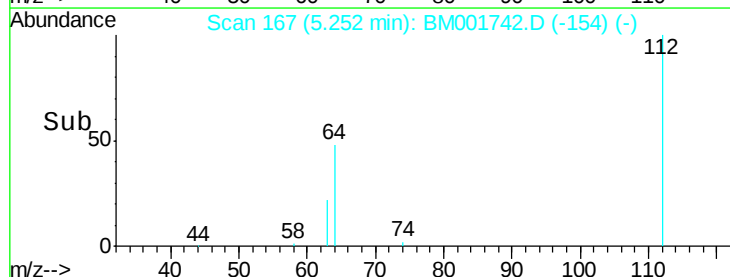


Abundance Ion 112.00 (111.70 to 112.70): BM001743.D (-157) (-)

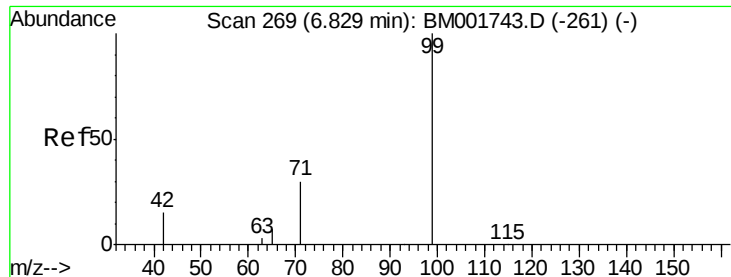
Ion 64.00 (63.70 to 64.70): BM001743.D (-157) (-)

Ion 63.00 (62.70 to 63.70): BM001743.D (-157) (-)

Time-->



Time-->



#5

Phenol-d6

Concen: 1.81 ng

RT: 6.83 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

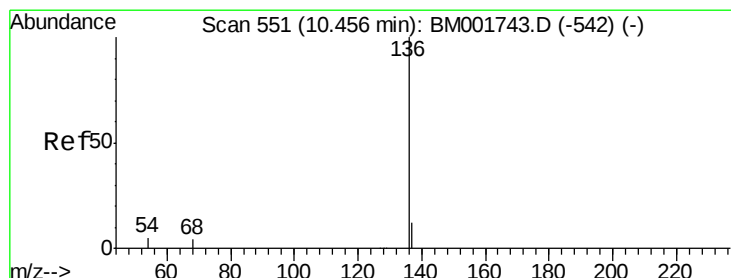
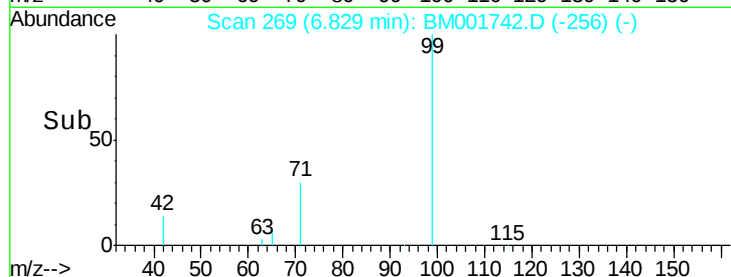
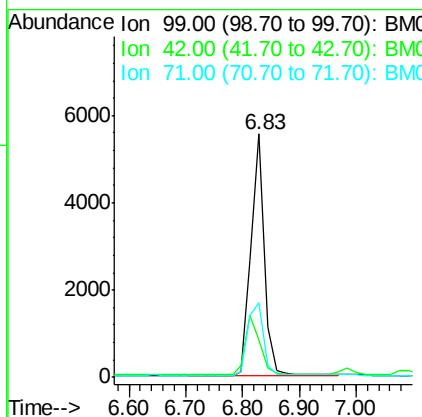
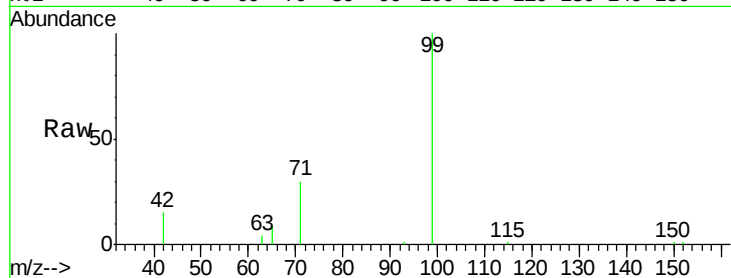
ClientSampleId :

SSTDICC002

Tgt Ion:	99	Resp:	8928
Ion	Ratio	Lower	Upper
99	100		
42	26.6	21.4	32.0
71	35.5	28.3	42.5

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#6

Naphthalene-d8

Concen: 5.00 ng

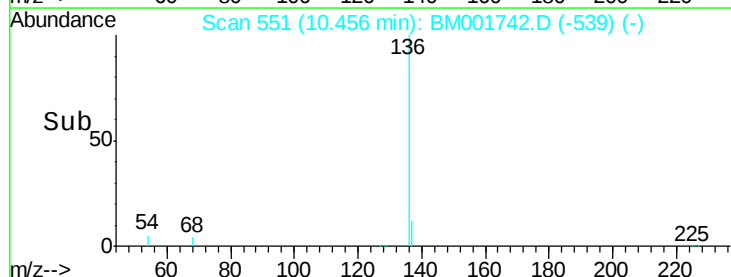
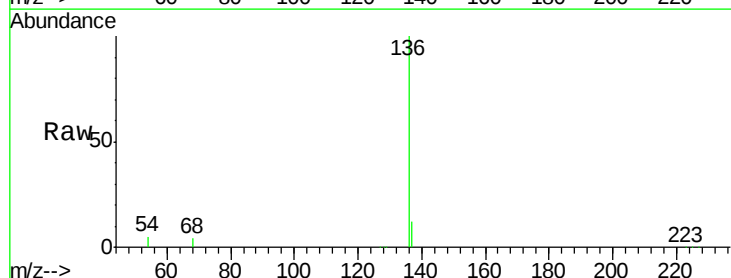
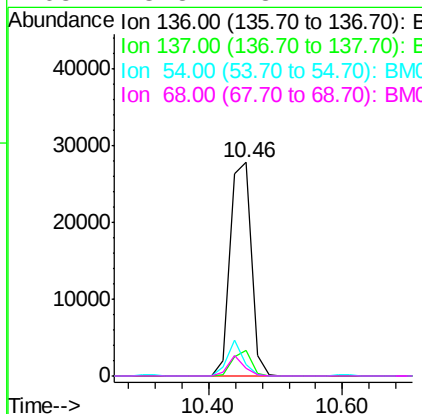
RT: 10.46 min Scan# 551

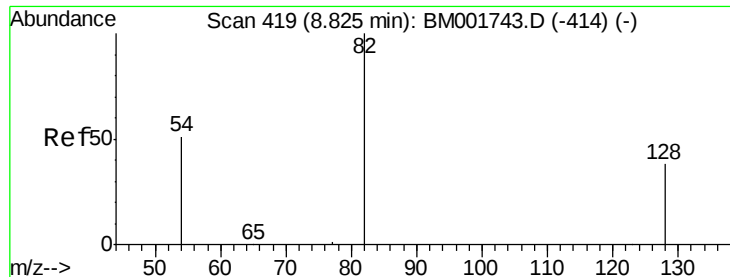
Delta R.T. 0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	136	Resp:	60587
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	5.4	4.4	6.6
68	3.8	3.1	4.7





#7

Nitrobenzene-d5

Concen: 1.81 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

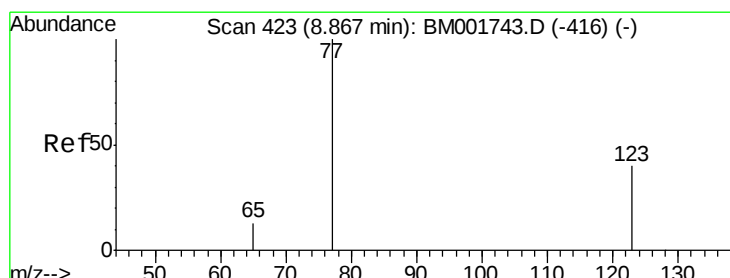
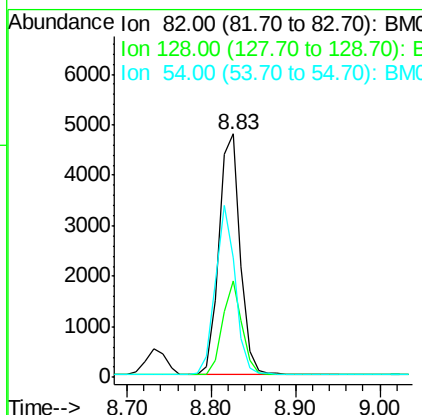
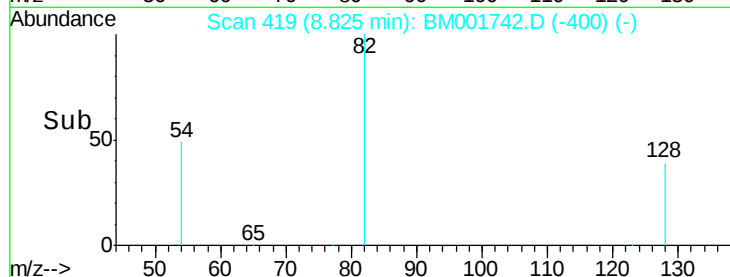
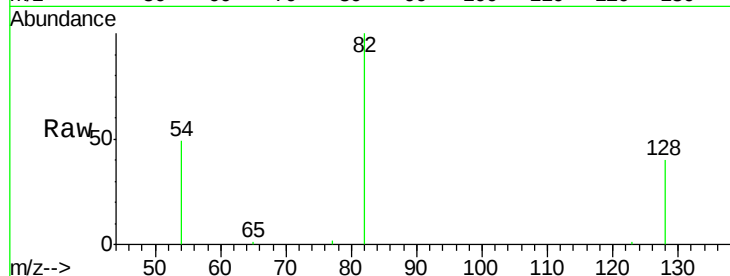
ClientSampleId :

SSTDICC002

Tgt Ion:	82	Resp:	8453
Ion Ratio	Lower	Upper	
82	100		
128	39.6	31.3	46.9
54	49.3	41.9	62.9

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#8

Nitrobenzene

Concen: 1.83 ng

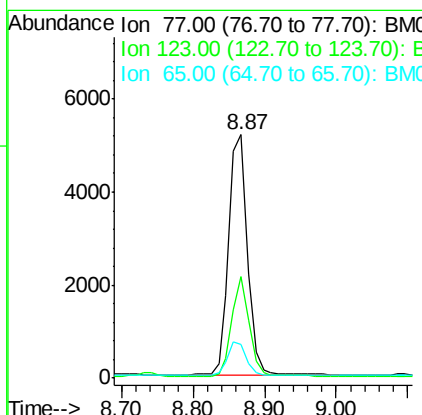
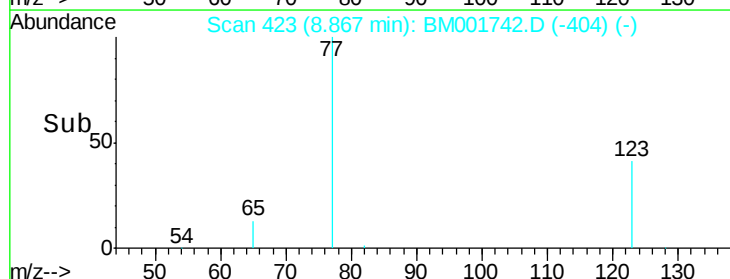
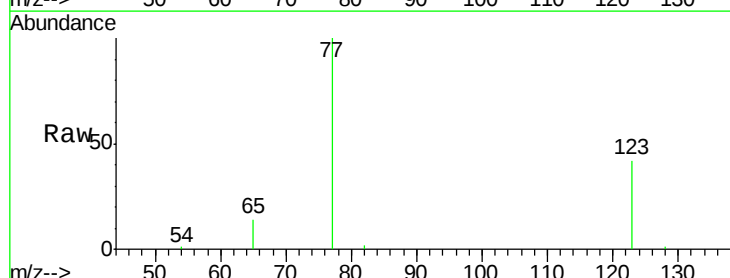
RT: 8.87 min Scan# 423

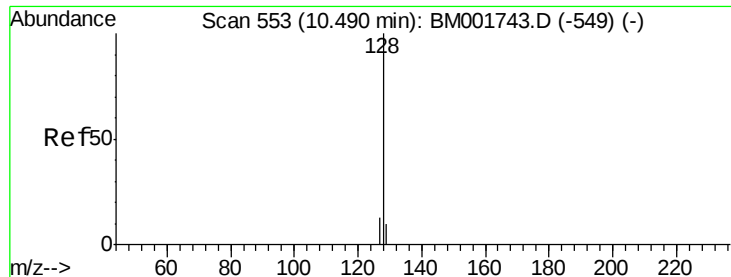
Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	77	Resp:	9269
Ion Ratio	Lower	Upper	
77	100		
123	38.0	30.1	45.1
65	14.0	11.3	16.9





#9

Naphthalene

Concen: 1.75 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001742.D

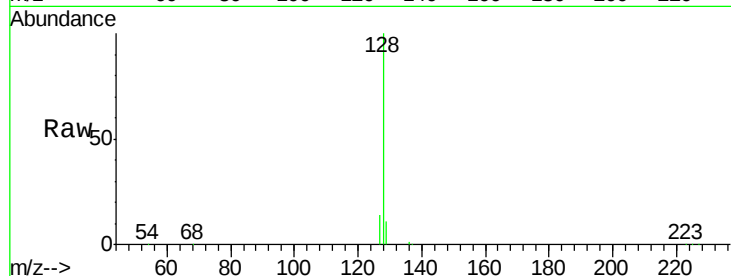
Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

ClientSampleId :

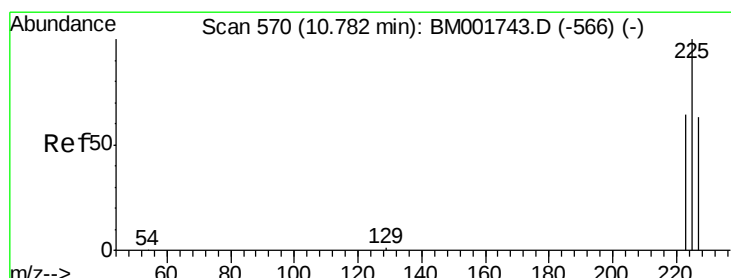
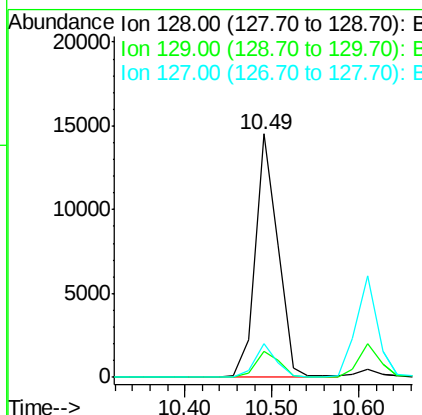
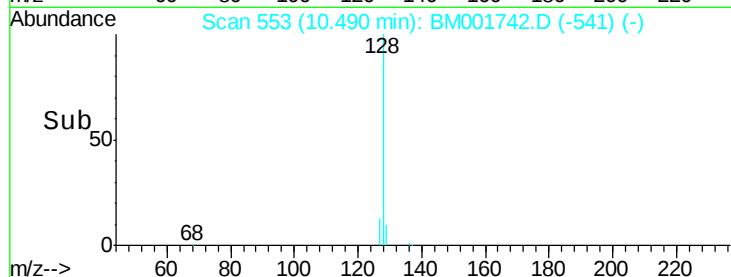
SSTDICC002



Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.6	11.2	16.8

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#10

Hexachlorobutadiene

Concen: 1.73 ng

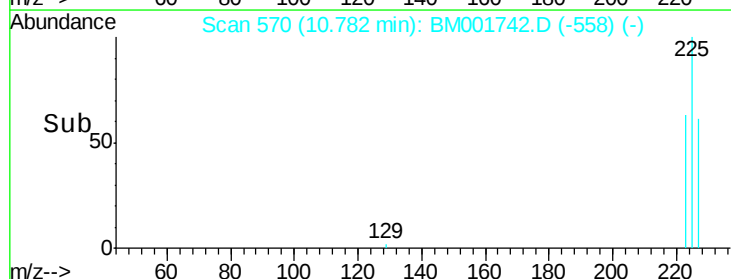
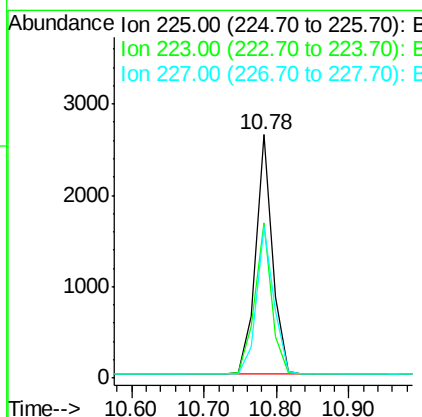
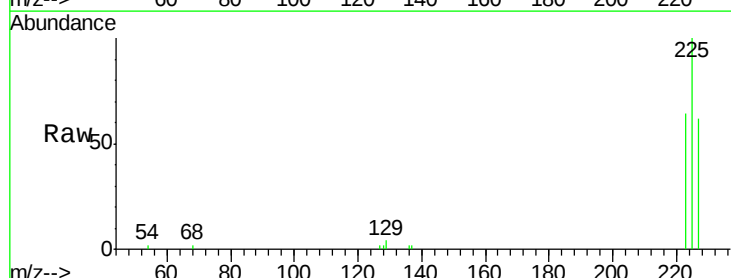
RT: 10.78 min Scan# 570

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.4
227	63.4	51.8	77.8





#11

2-Methylnaphthalene

Concen: 1.74 ng

RT: 12.12 min Scan# 678

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

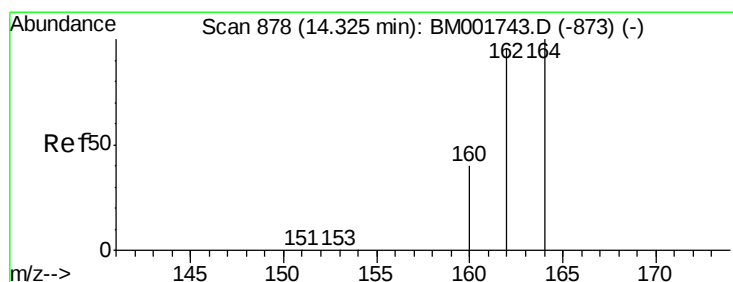
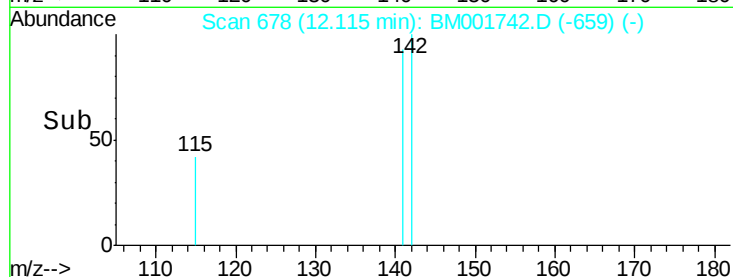
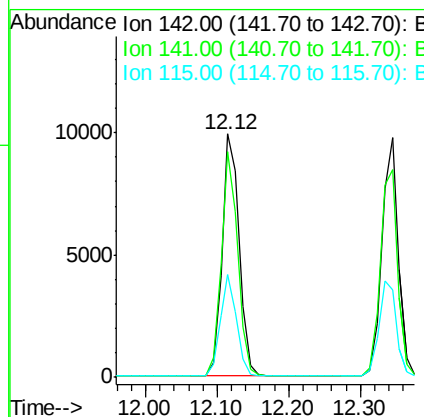
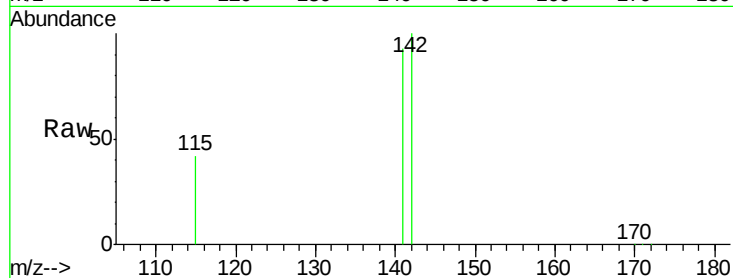
ClientSampleId :

SSTDICC002

Tgt Ion:	142	Resp:	16541
Ion Ratio	Lower	Upper	
142	100		
141	92.9	73.6	110.4
115	42.4	34.1	51.1

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#12

Acenaphthene-d10

Concen: 5.00 ng

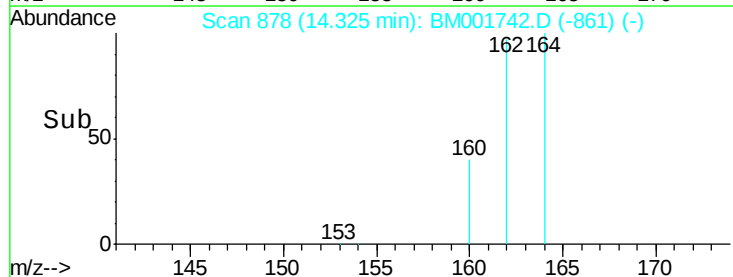
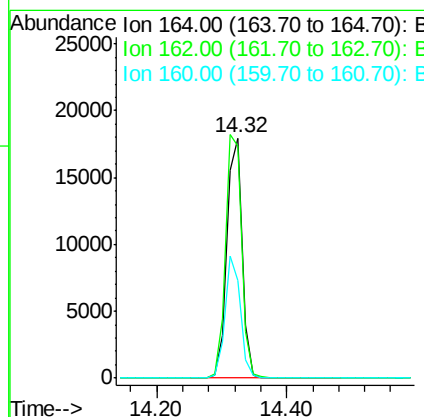
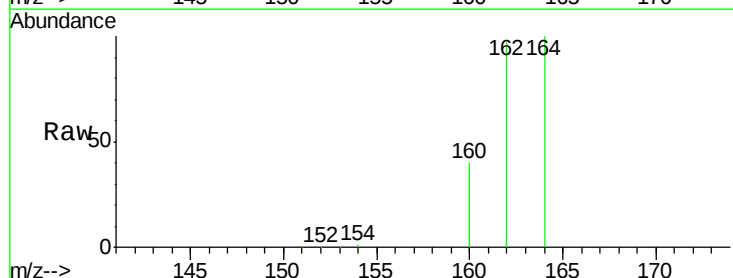
RT: 14.32 min Scan# 878

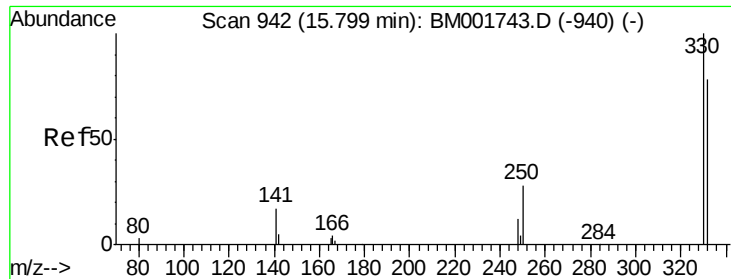
Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	164	Resp:	29655
Ion Ratio	Lower	Upper	
164	100		
162	96.8	76.6	114.8
160	40.4	31.8	47.8





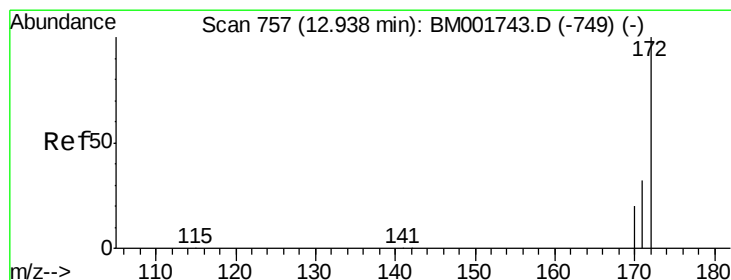
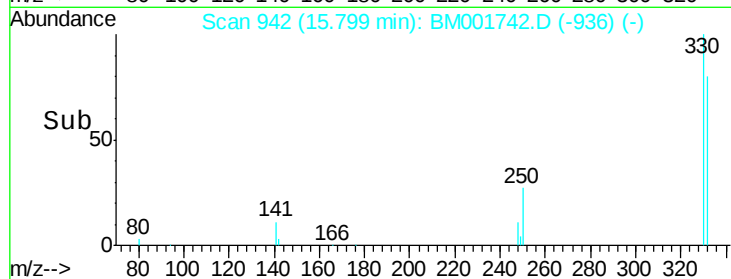
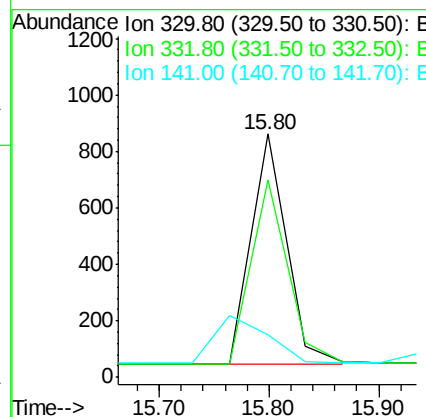
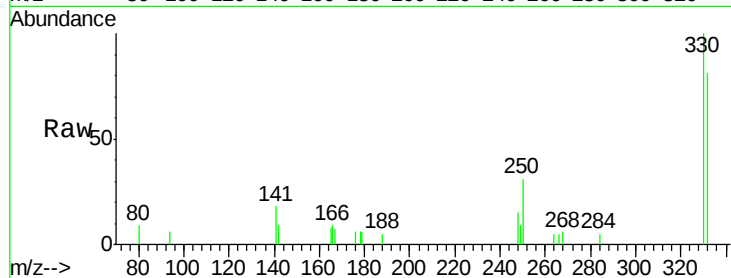
#13
 2,4,6-Tribromophenol
 Concen: 1.72 ng
 RT: 15.80 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BM001742.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1810		
332	83.4	65.8	98.8	
141	0.0	0.0	0.0	

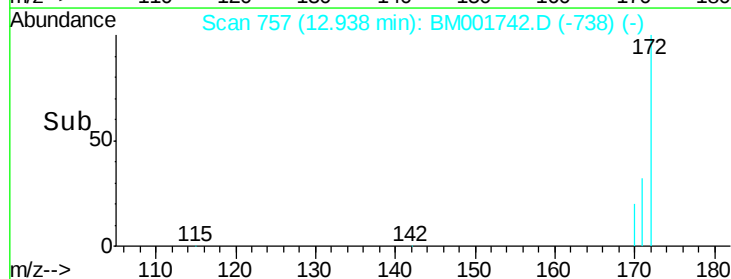
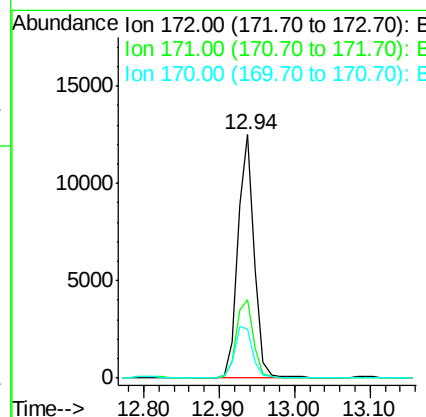
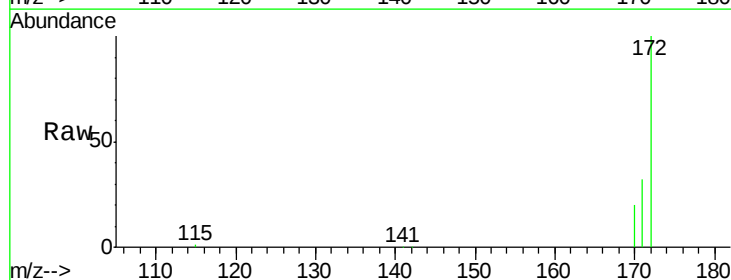
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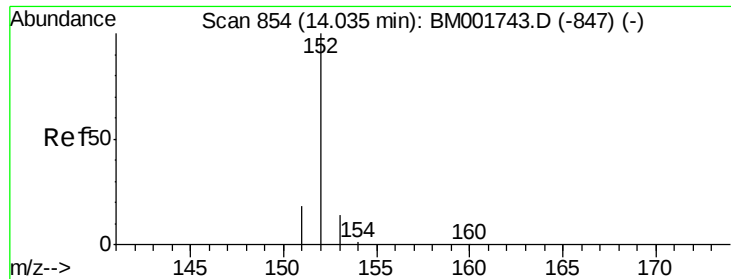
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#14
 2-Fluorobiphenyl
 Concen: 1.77 ng
 RT: 12.94 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	18535		
171	32.3	26.2	39.2	
170	20.2	16.6	24.8	





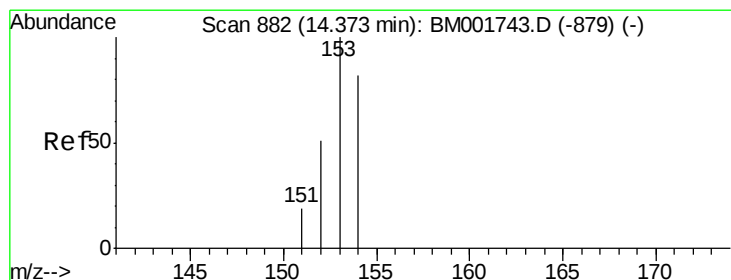
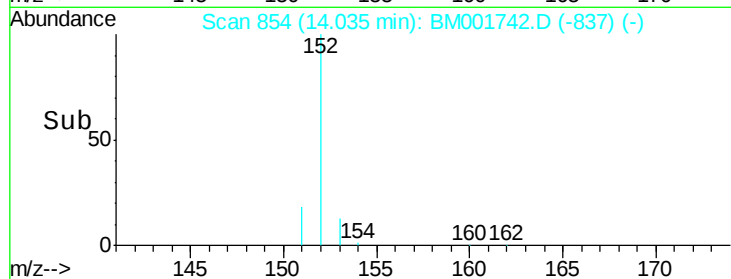
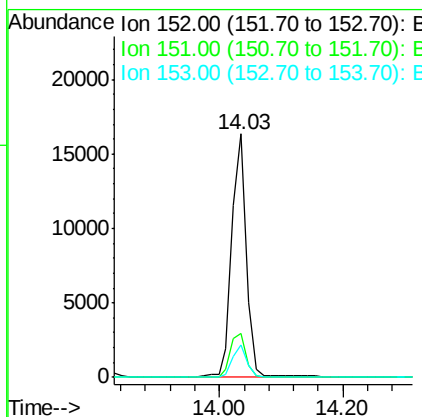
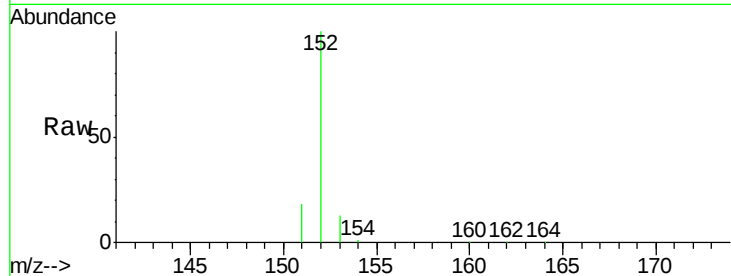
#15
Acenaphthylene
Concen: 1.87 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001742.D
Acq: 18 Jun 2015 18:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	12.9	10.4	15.6

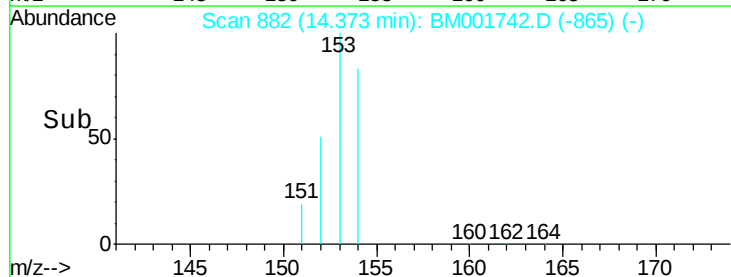
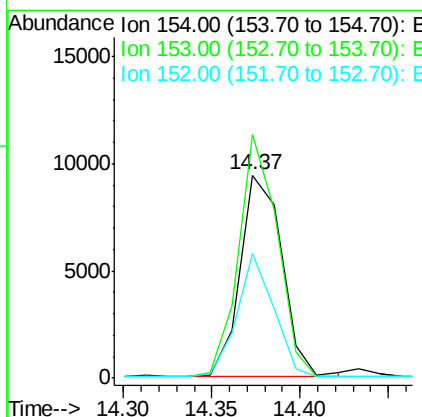
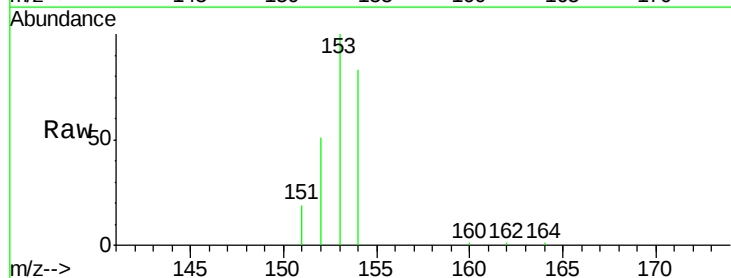
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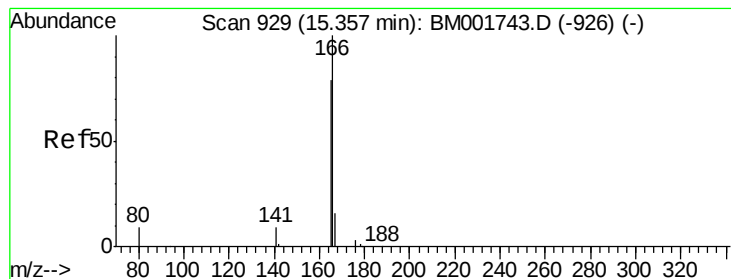
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#16
Acenaphthene
Concen: 1.75 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001742.D
Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.0	135.0
152	54.3	44.2	66.4





#17

Fluorene

Concen: 1.59 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

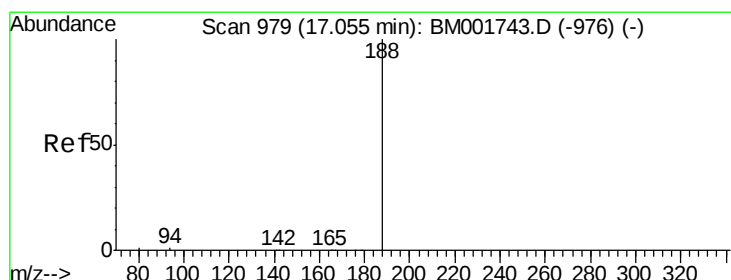
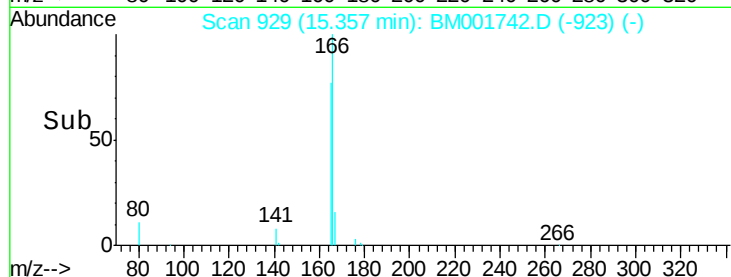
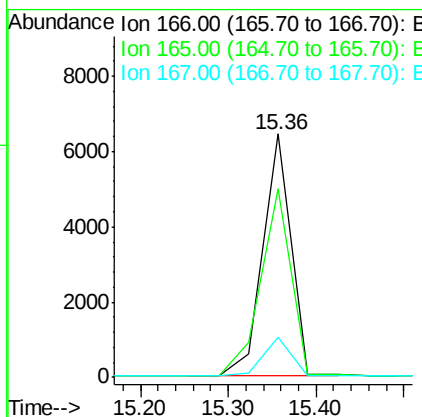
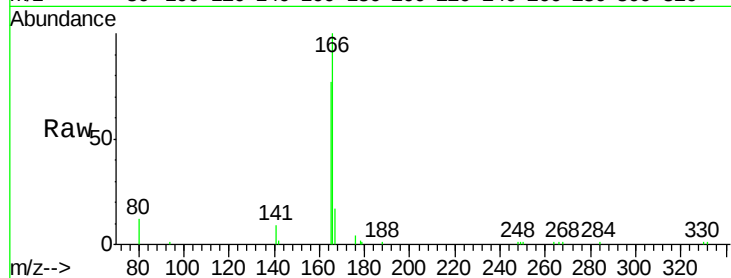
ClientSampleId :

SSTDICC002

Tgt Ion:	166	Resp:	14358
Ion Ratio	Lower	Upper	
166	100		
165	83.0	68.2	102.2
167	15.3	12.2	18.2

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#18

Phenanthrene-d10

Concen: 5.00 ng

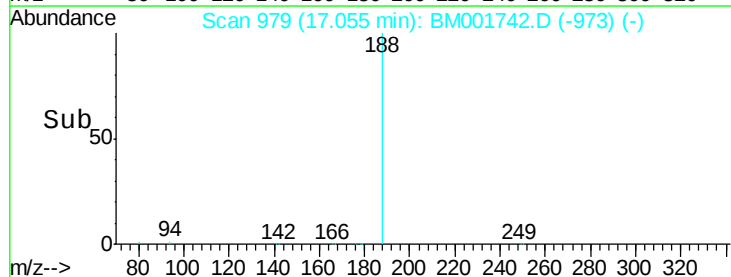
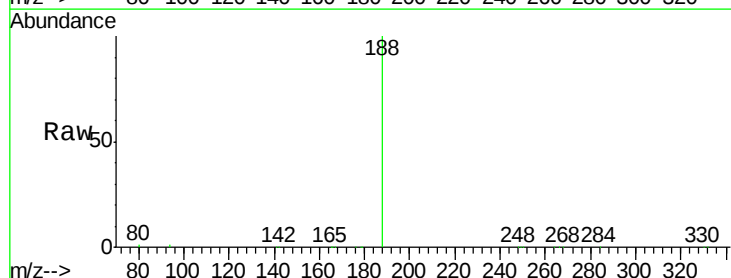
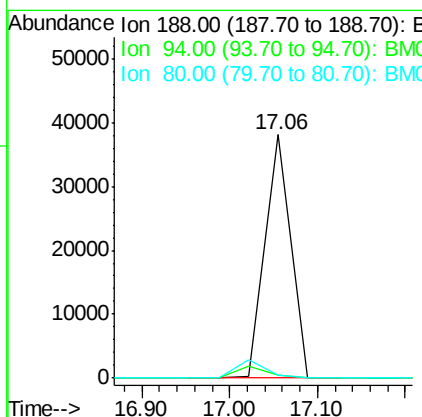
RT: 17.06 min Scan# 979

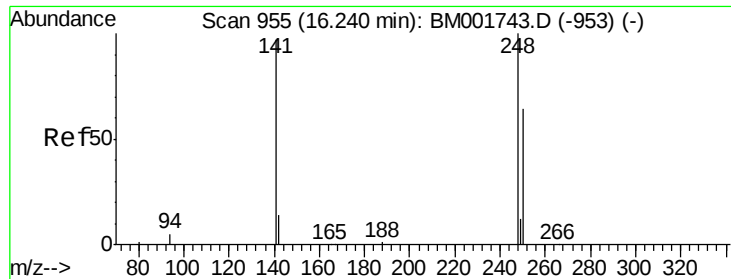
Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	188	Resp:	78475
Ion Ratio	Lower	Upper	
188	100		
94	1.3	1.3	1.9
80	1.1	1.0	1.6





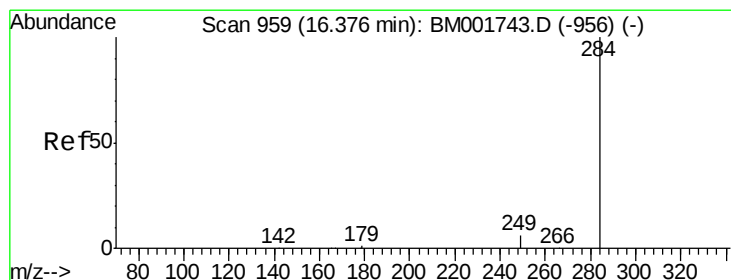
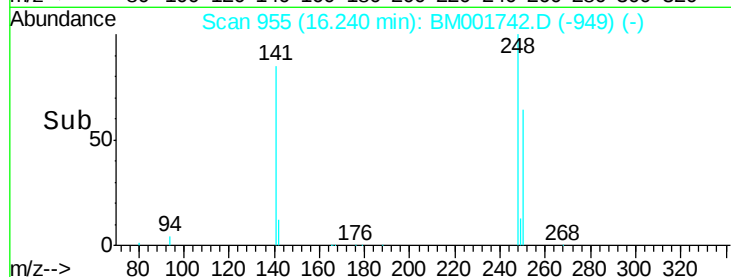
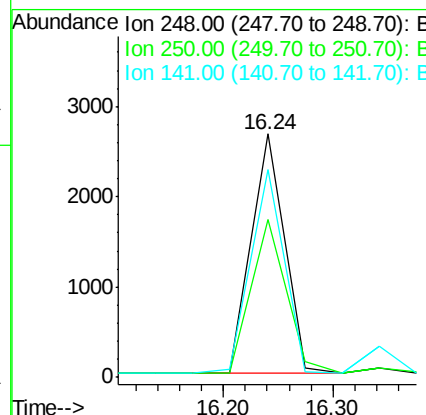
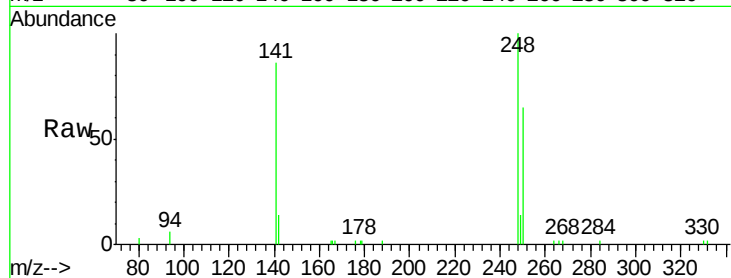
#19
4-Bromophenyl-phenylether
Concen: 0.79 ng
RT: 16.24 min Scan# 955
Delta R.T. -0.00 min
Lab File: BM001742.D
Acq: 18 Jun 2015 18:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
248	100		
250	68.0	54.8	82.2
141	84.9	76.2	114.4

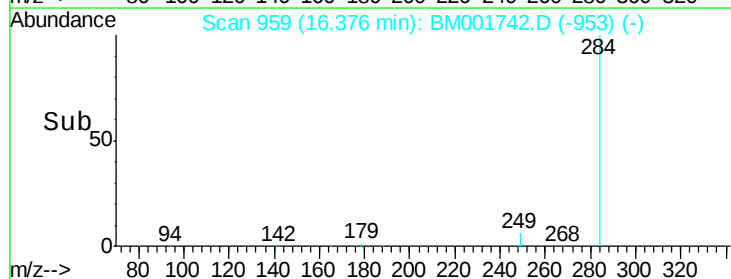
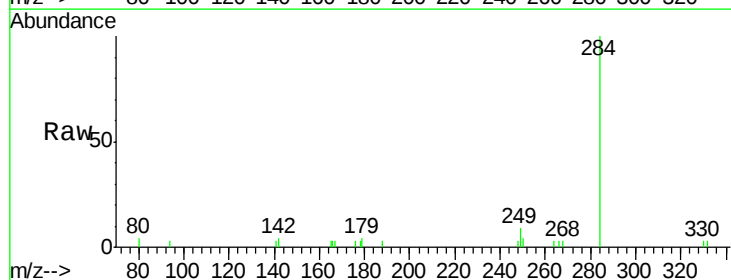
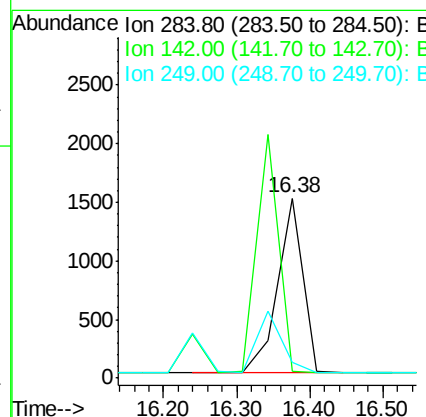
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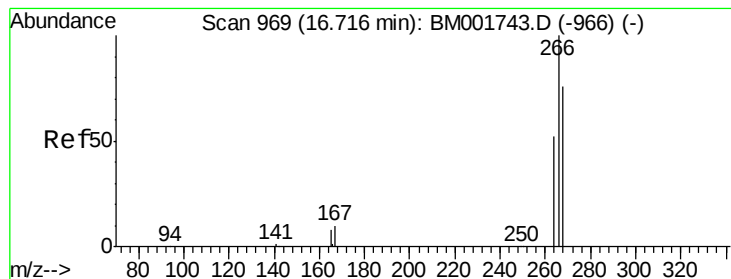
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#20
Hexachlorobenzene
Concen: 0.56 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001742.D
Acq: 18 Jun 2015 18:24

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





#21

Pentachlorophenol

Concen: 1.00 ng

RT: 16.72 min Scan# 969

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

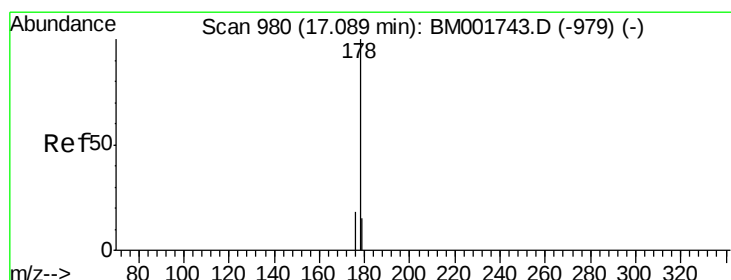
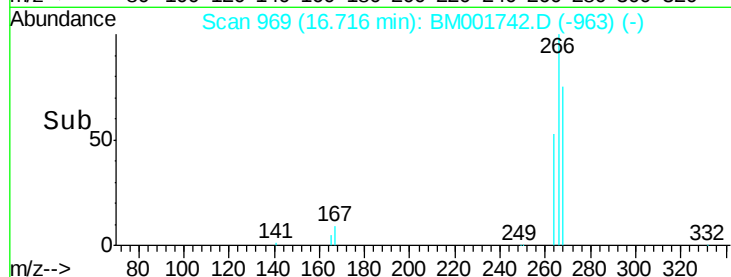
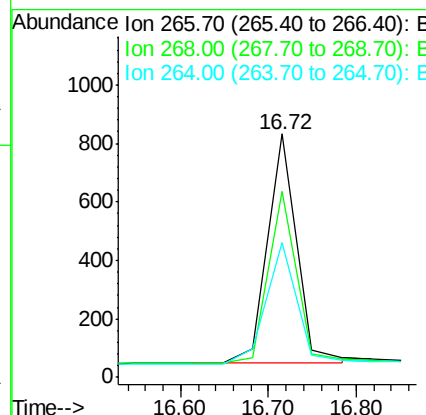
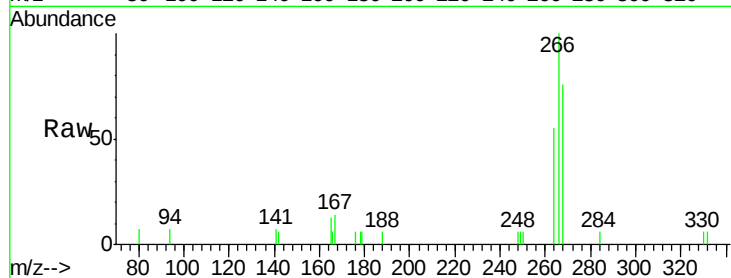
ClientSampleId :

SSTDICC002

Tgt Ion:	266	Resp:	1834
Ion Ratio	Lower	Upper	
266	100		
268	76.4	63.2	94.8
264	55.2	46.2	69.2

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#22

Phenanthrene

Concen: 1.69 ng

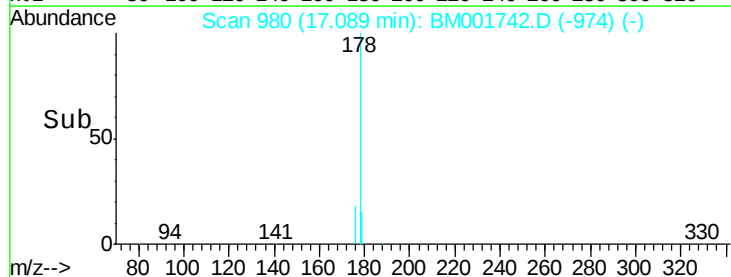
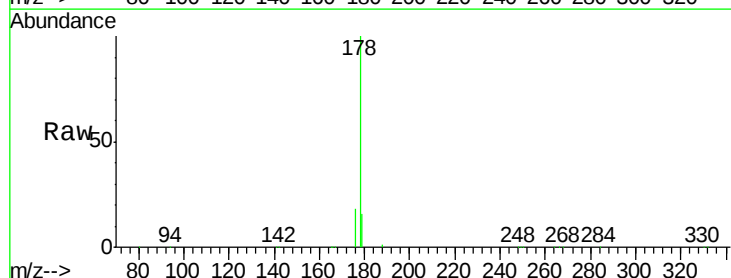
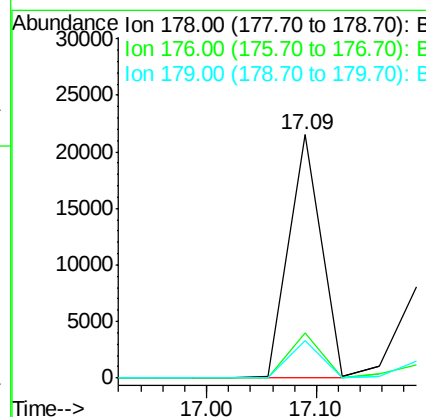
RT: 17.09 min Scan# 980

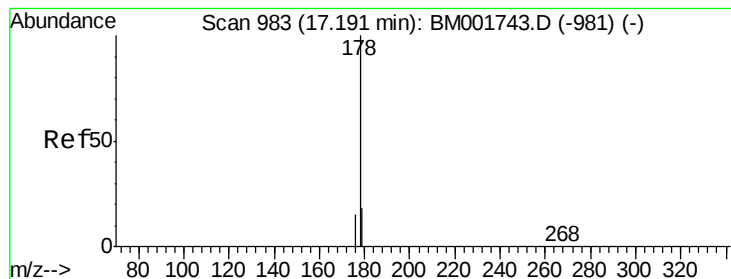
Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	178	Resp:	43980
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.2
179	15.5	12.6	19.0





#23

Anthracene

Concen: 0.69 ng m

RT: 17.19 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM001742.D

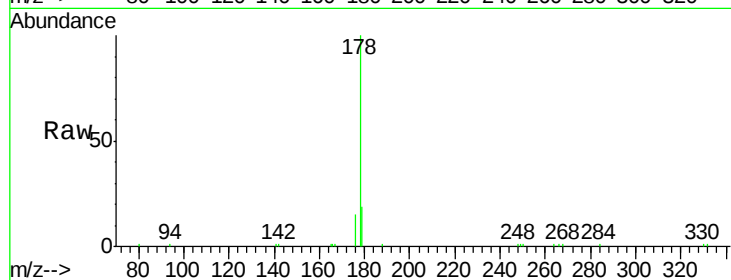
Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

ClientSampleId :

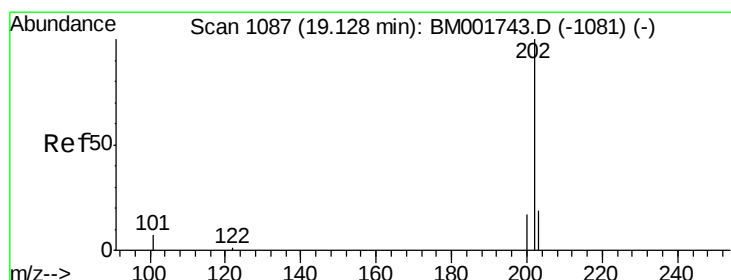
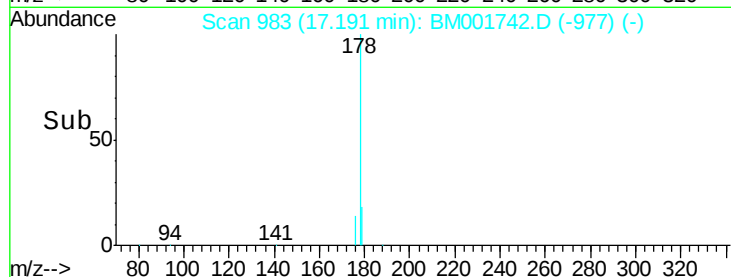
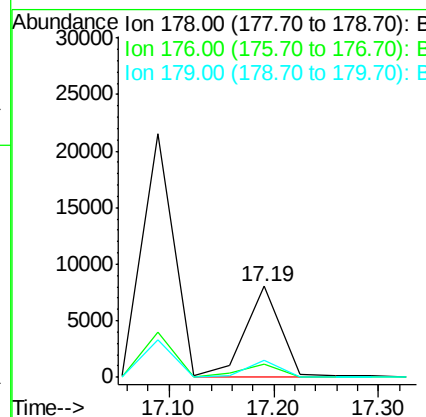
SSTDICC002



Tgt Ion:	178	Resp:	19272
Ion Ratio	Lower	Upper	
178	100		
176	12.2	10.0	15.0
179	15.5	12.3	18.5

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#24

Fluoranthene

Concen: 0.86 ng

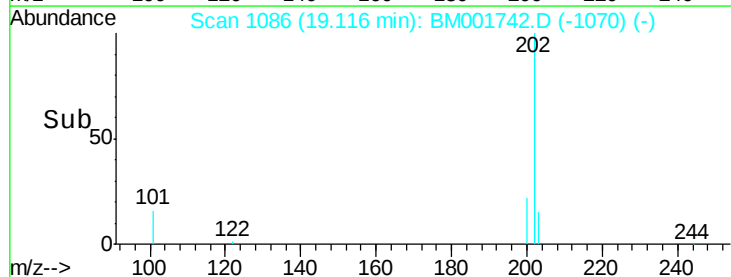
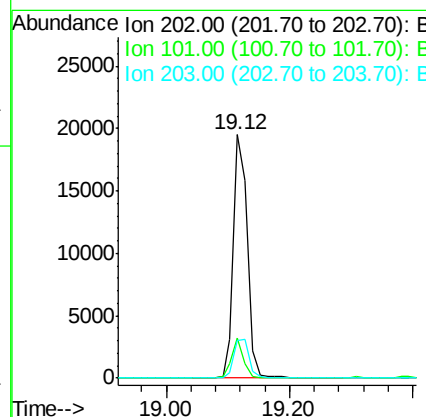
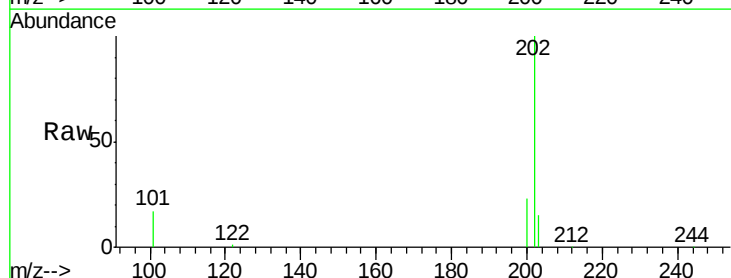
RT: 19.12 min Scan# 1086

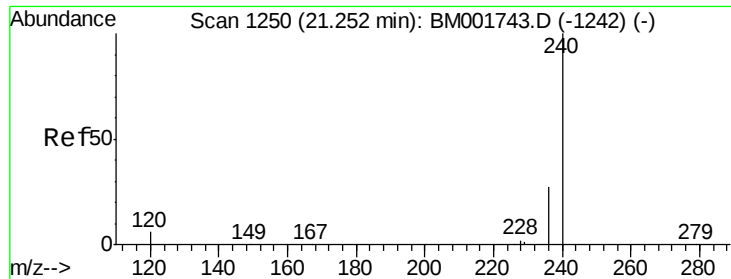
Delta R.T. -0.01 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	202	Resp:	29834
Ion Ratio	Lower	Upper	
202	100		
101	13.8	10.8	16.2
203	17.1	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: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

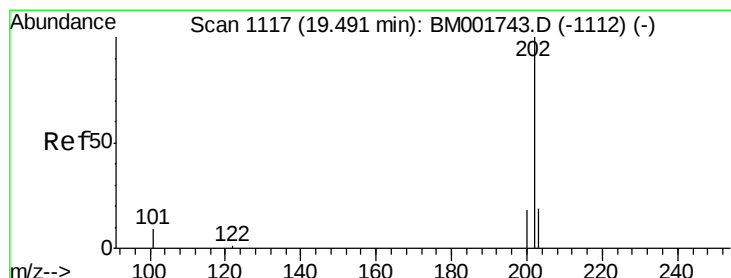
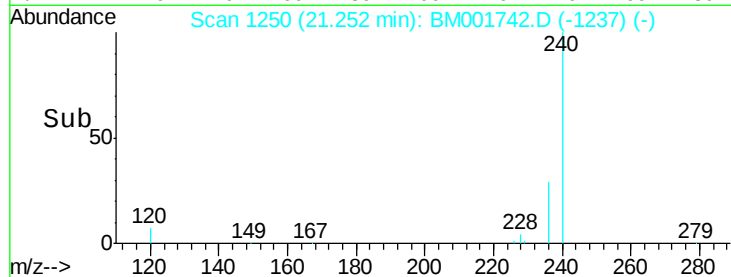
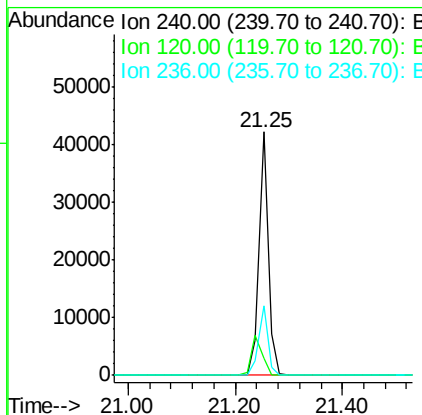
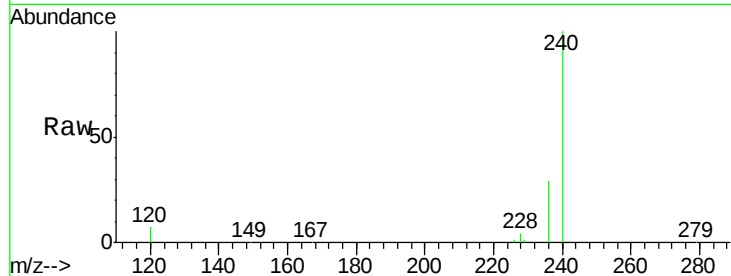
ClientSampleId :

SSTDICC002

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	4.7	7.1
236	28.6	21.6	32.4

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#26

Pyrene

Concen: 1.79 ng

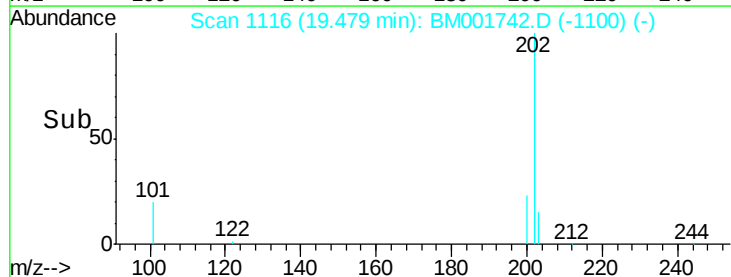
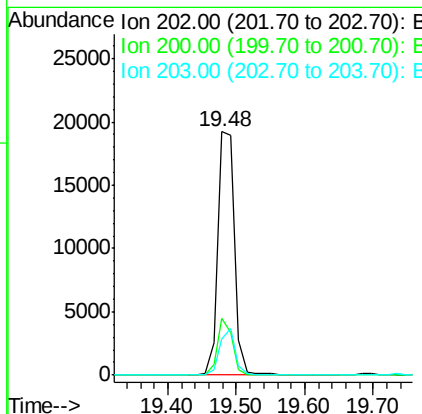
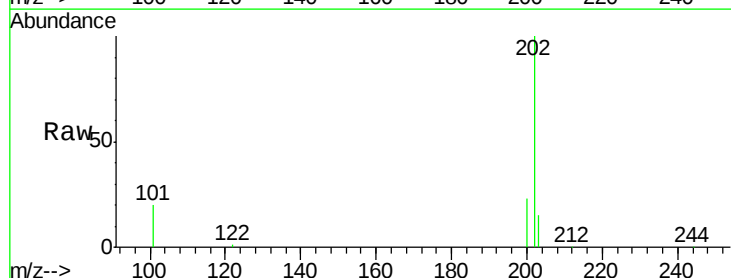
RT: 19.48 min Scan# 1116

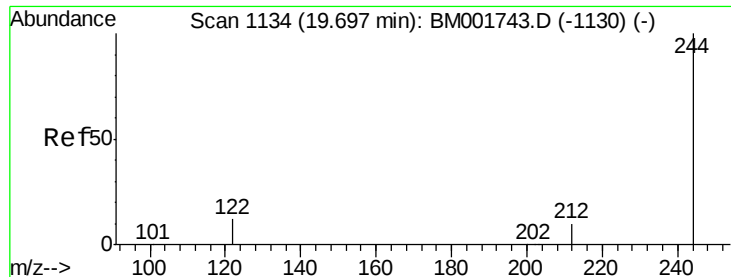
Delta R.T. -0.01 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.3	13.9	20.9





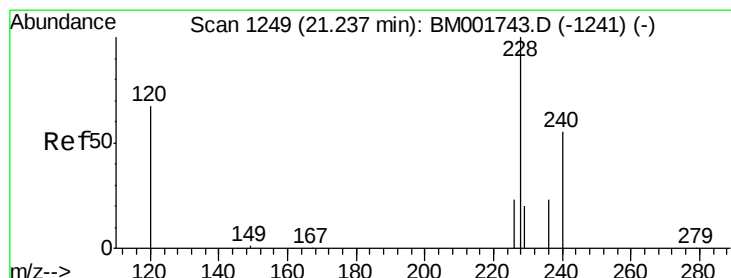
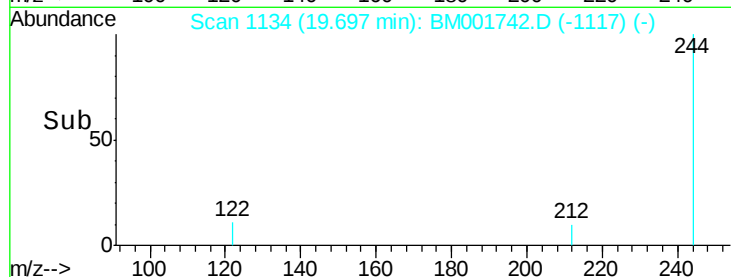
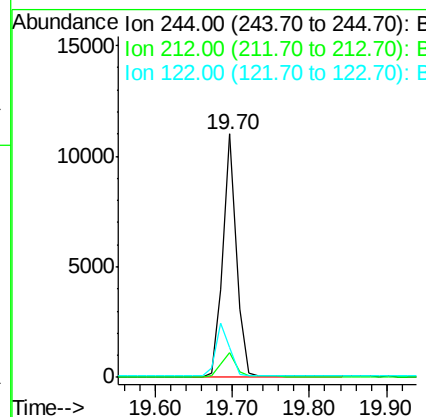
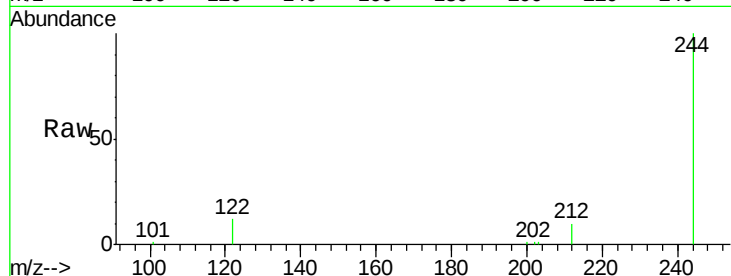
#27
 Terphenyl-d14
 Concen: 1.70 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.6	13.0
122	12.3	10.6	15.8

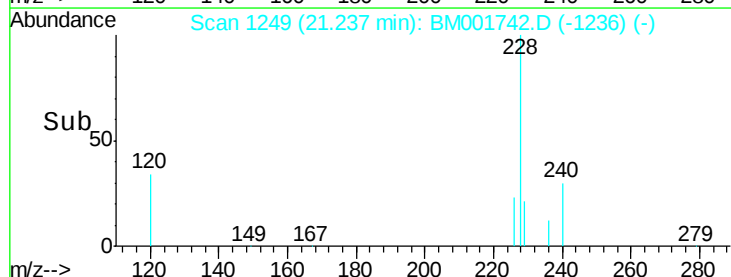
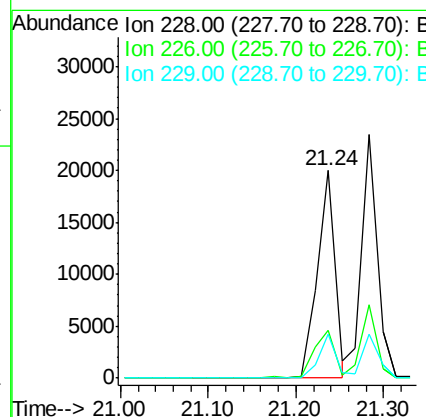
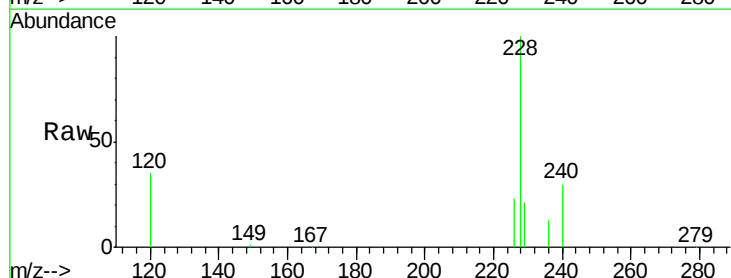
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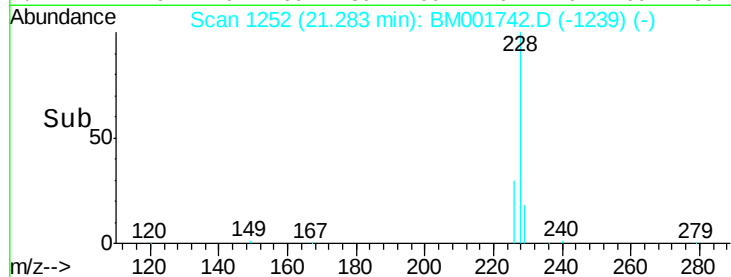
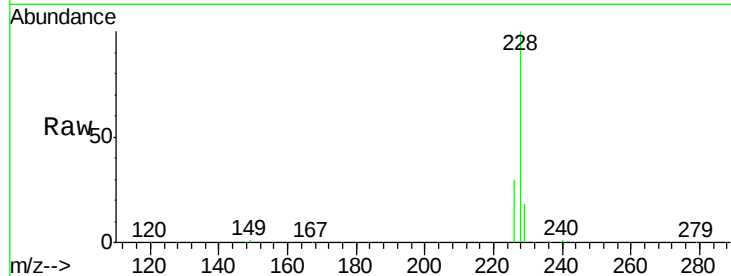
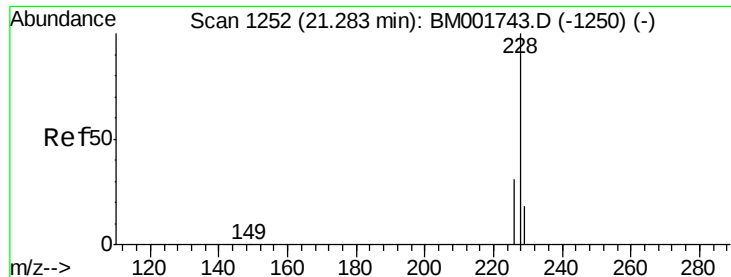
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#28
 Benzo(a)anthracene
 Concen: 1.72 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.3	18.9	28.3
229	21.2	16.6	25.0





#29

Chrysene

Concen: 1.83 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

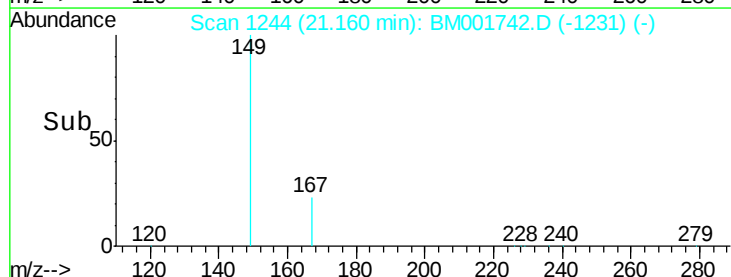
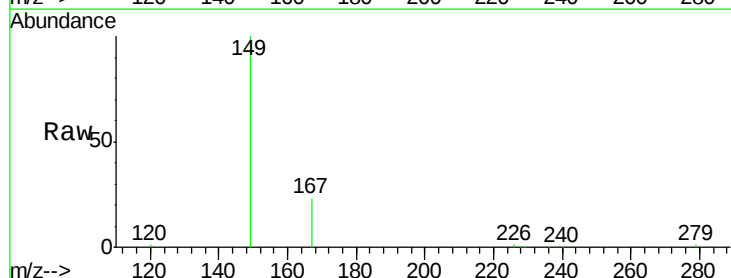
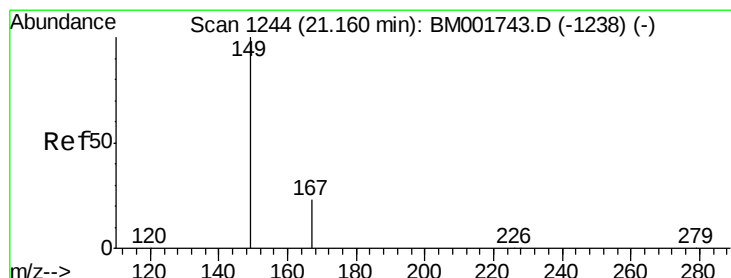
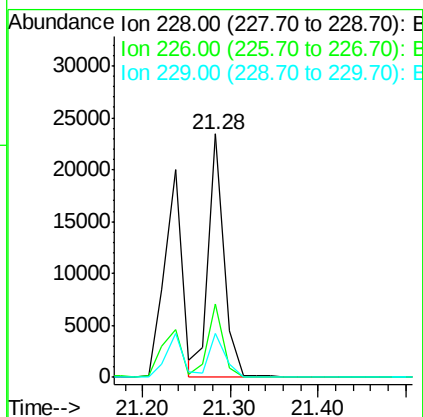
ClientSampleId :

SSTDICC002

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Tgt Ion:	228	Resp:	28766
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.3	36.5
229	18.2	15.0	22.6



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.62 ng

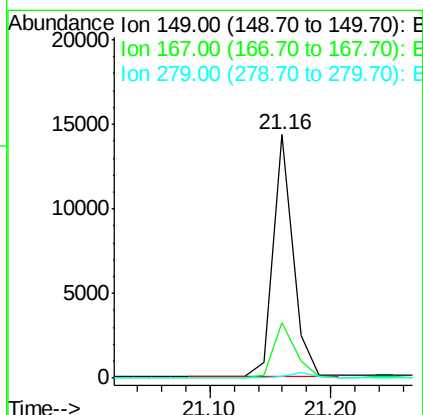
RT: 21.16 min Scan# 1244

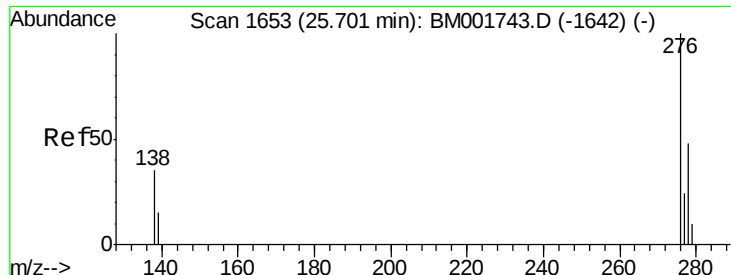
Delta R.T. -0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	149	Resp:	16330
Ion Ratio	Lower	Upper	
149	100		
167	24.7	19.7	29.5
279	2.1	1.6	2.4





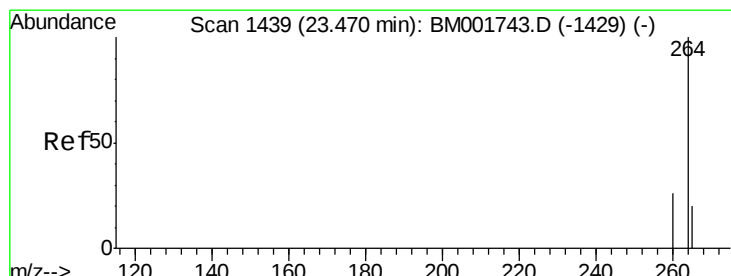
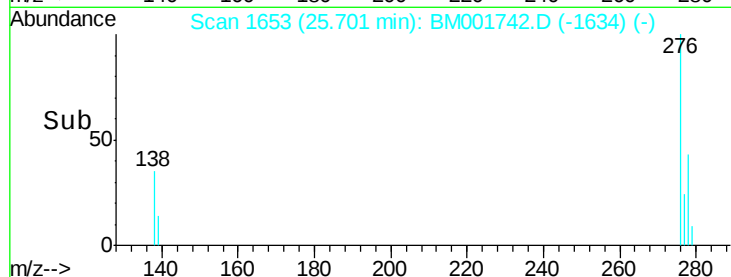
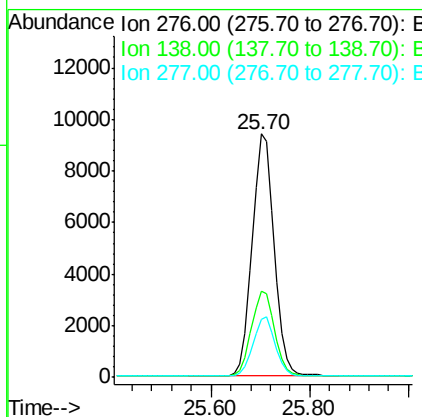
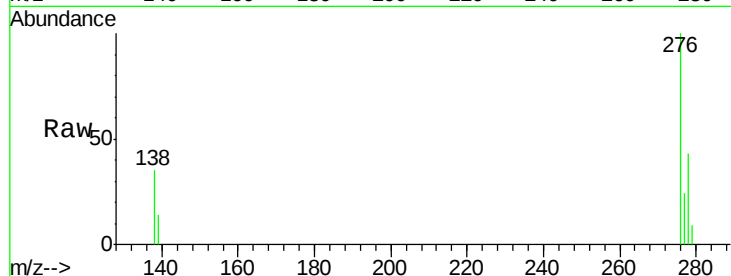
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 2.21 ng
 RT: 25.70 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	28370		
138	36.5	29.0	43.6	
277	24.6	19.7	29.5	

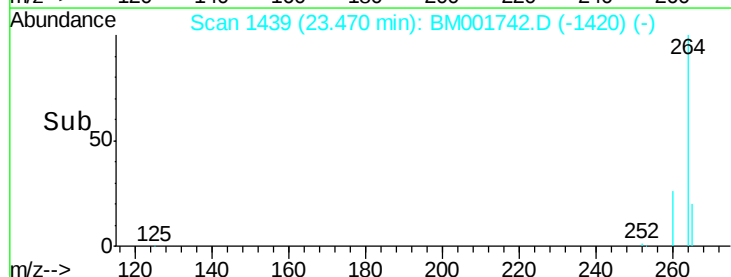
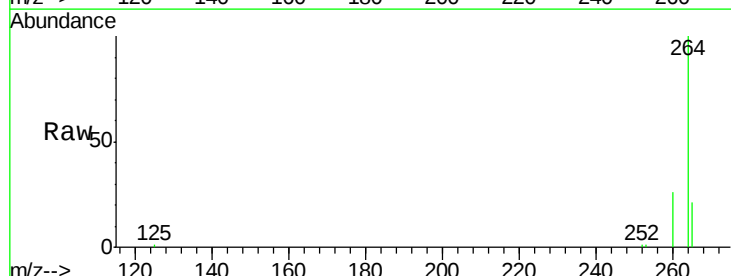
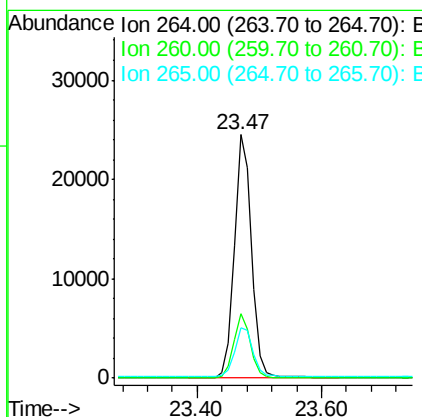
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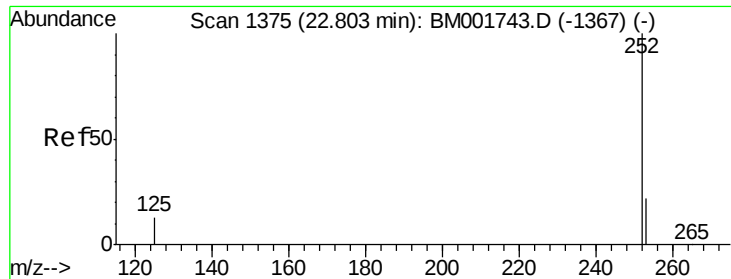
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	47120		
260	26.4	20.8	31.2	
265	20.7	16.8	25.2	





#33

Benzo(b)fluoranthene

Concen: 1.75 ng

RT: 22.80 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BM001742.D

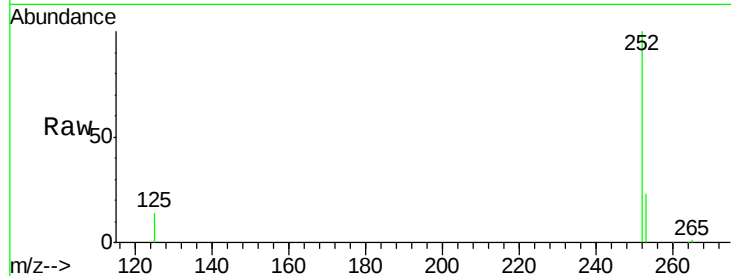
Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

ClientSampleId :

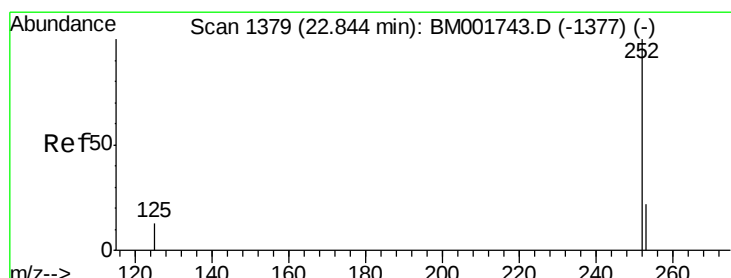
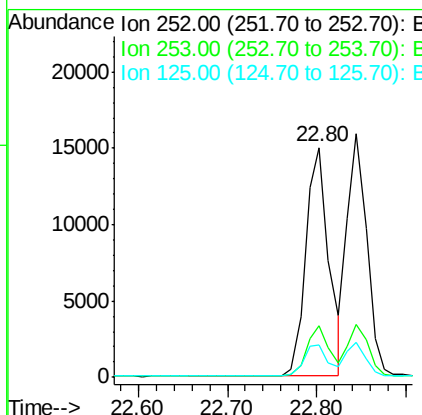
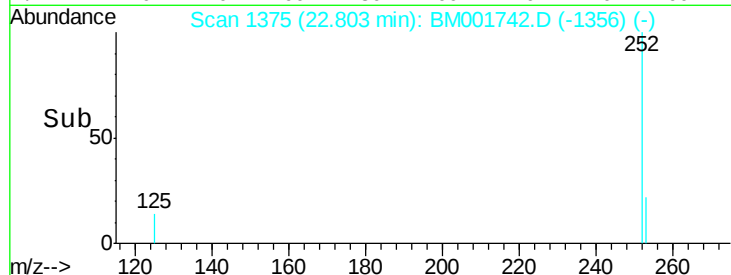
SSTDICC002



Tgt Ion:	252	Resp:	27099
Ion Ratio	Lower	Upper	
252	100		
253	22.7	19.0	28.4
125	14.0	11.3	16.9

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#34

Benzo(k)fluoranthene

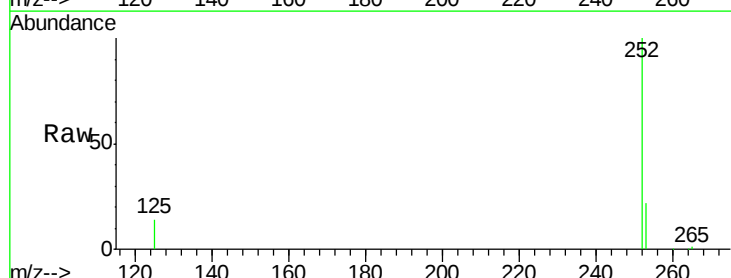
Concen: 1.65 ng

RT: 22.84 min Scan# 1379

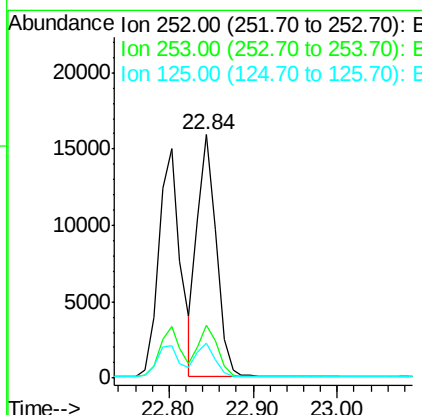
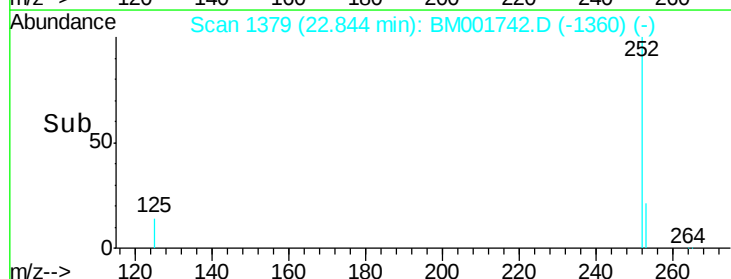
Delta R.T. 0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24



Tgt Ion:	252	Resp:	24500
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.4
125	14.4	11.8	17.6





#35

Benzo(a)pyrene

Concen: 1.80 ng

RT: 23.38 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BM001742.D

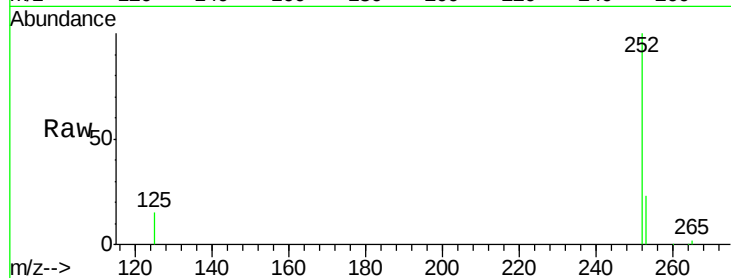
Acq: 18 Jun 2015 18:24

Instrument :

BNA_M

ClientSampleId :

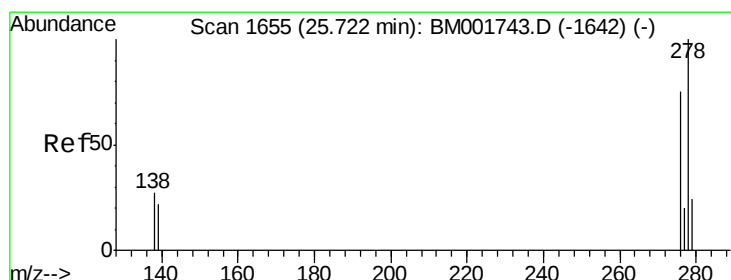
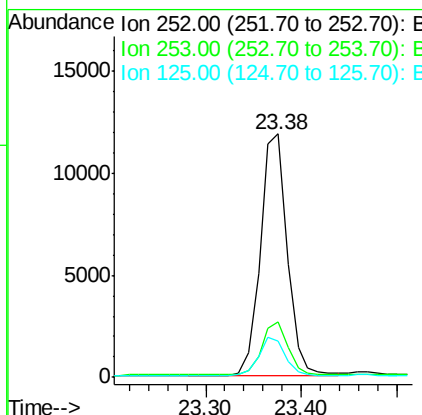
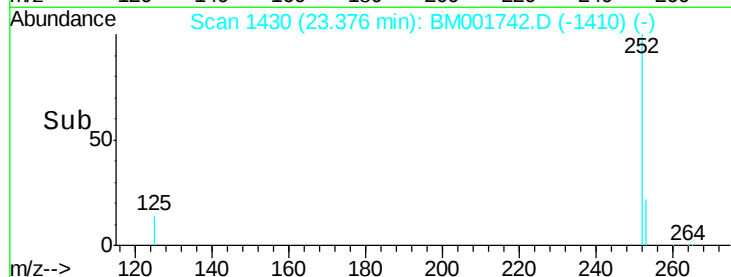
SSTDICC002



Tgt Ion:	252	Resp:	23209
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	15.0	14.1	21.1

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#36

Dibenzo(a,h)anthracene

Concen: 2.05 ng

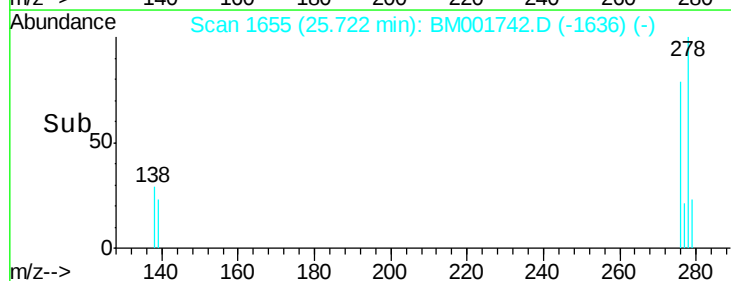
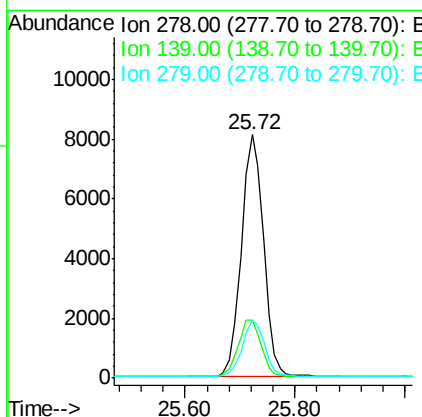
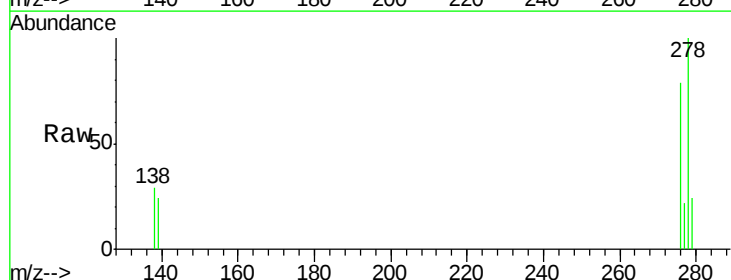
RT: 25.72 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BM001742.D

Acq: 18 Jun 2015 18:24

Tgt Ion:	278	Resp:	22800
Ion Ratio	Lower	Upper	
278	100		
139	23.8	18.4	27.6
279	23.9	19.8	29.8





#37
 Benzo(g,h,i)perylene
 Concen: 1.97 ng
 RT: 26.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BM001742.D
 Acq: 18 Jun 2015 18:24

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	30.6	24.7	37.1

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