

Data Path : Z:\HPCHEM1\BNA_M\Data\BM050415\
 Data File : BM001186.D
 Acq On : 04 May 2015 10:52
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

apatel
 5/5/2015 12:09:06 PM

Quant Time: May 05 02:43:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 16:48:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	20793	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	83818	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	48029	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	123088	5.00	ng	0.00
24) Chrysene-d12	21.15	240	103327	5.00	ng	0.00
30) Perylene-d12	23.29	264	81754	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	4216	1.04	ng	-0.01
5) Phenol-d6	6.71	99	5377	1.08	ng	0.00
7) Nitrobenzene-d5	8.69	82	4838	1.02	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	2028m	1.01	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	16267	1.02	ng	-0.01
26) Terphenyl-d14	19.59	244	15083	1.06	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.01	88	2178	0.88	ng	95
3) n-Nitrosodimethylamine	3.34	42	2585	1.02	ng	# 95
8) Nitrobenzene	8.73	77	5162	0.96	ng	95
9) Naphthalene	10.36	128	18472	1.00	ng	99
10) Hexachlorobutadiene	10.65	225	3545	1.00	ng	99
11) 2-Methylnaphthalene	11.98	142	13079	1.03	ng	90
15) Acenaphthylene	13.89	152	22400	1.07	ng	# 99
16) Acenaphthene	14.24	154	15353	1.06	ng	98
17) Fluorene	15.24	166	19559	1.16	ng	99
19) Hexachlorobenzene	16.26	284	6481	0.98	ng	# 98
20) Pentachlorophenol	16.61	266	1712	0.94	ng	97
21) Phenanthrene	16.98	178	32187	1.02	ng	98
22) Anthracene	17.06	178	26454m	1.01	ng	
23) Fluoranthene	19.01	202	32761	1.02	ng	100
25) Pyrene	19.38	202	34602	1.07	ng	100
27) Benzo(a)anthracene	21.13	228	30623	1.05	ng	99
28) Chrysene	21.18	228	29006	1.01	ng	99
29) Indeno(1,2,3-cd)pyrene	25.43	276	22940	0.88	ng	100
31) Benzo(b)fluoranthene	22.66	252	25285	1.00	ng	100
32) Benzo(k)fluoranthene	22.69	252	26196	1.11	ng	95
33) Benzo(a)pyrene	23.20	252	22407	1.05	ng	100
34) Dibenzo(a,h)anthracene	25.44	278	17686	0.95	ng	97
35) Benzo(g,h,i)perylene	26.09	276	18340	0.93	ng	99

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

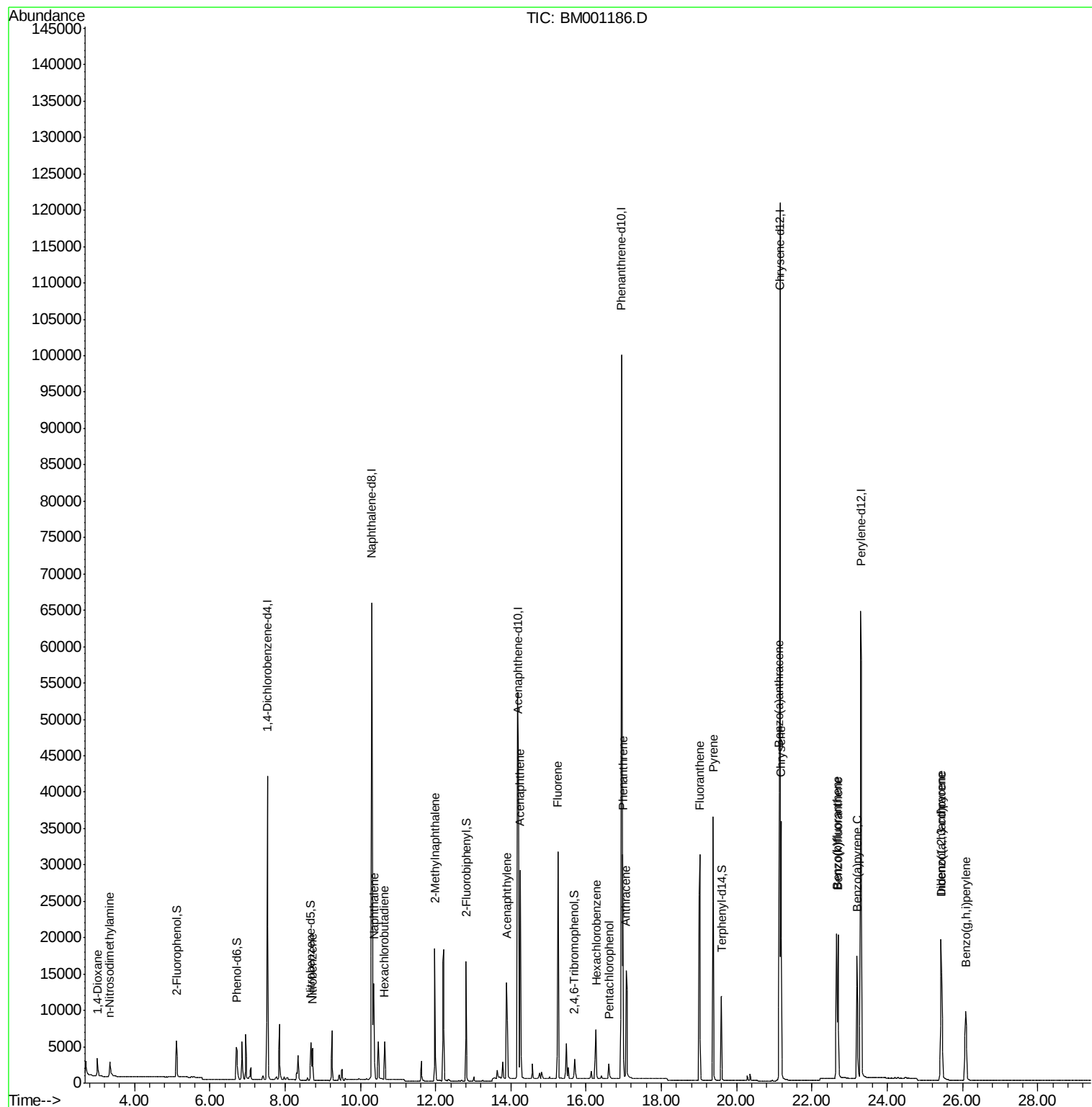
Data Path : Z:\HPCHEM1\BNA_M\Data\BM050415\
Data File : BM001186.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

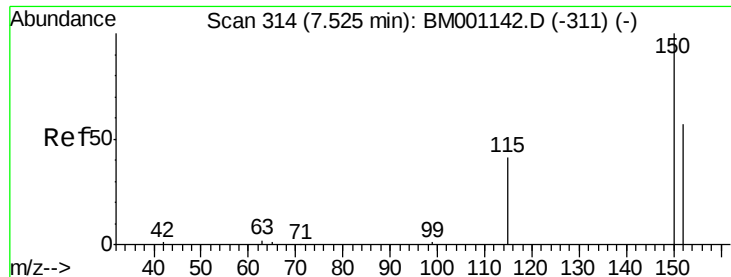
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.53 min Scan# 314

Delta R.T. 0.00 min

Lab File: BM001186.D

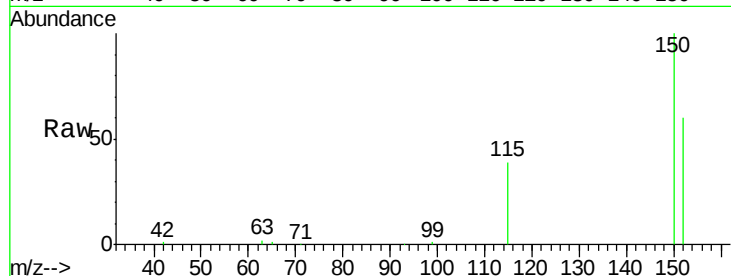
Acq: 04 May 2015 10:52

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 20793

Ion Ratio Lower Upper

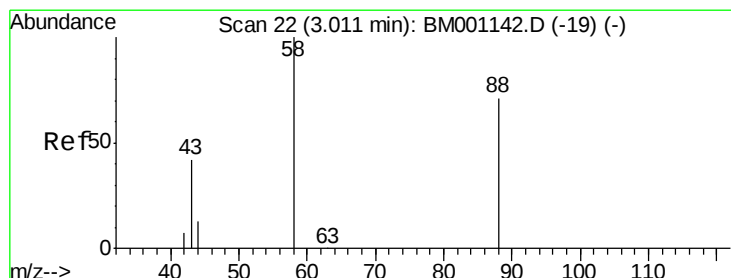
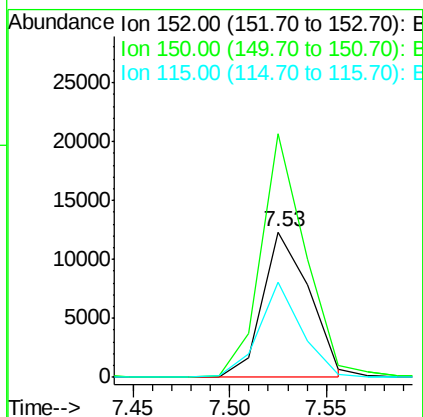
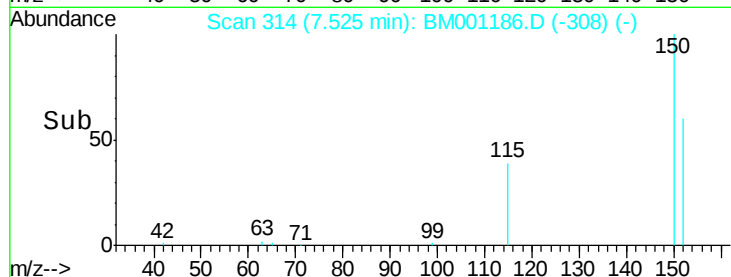
152 100

150 167.2 140.1 210.1

115 65.0 57.8 86.6

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#2

1,4-Dioxane

Concen: 0.88 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

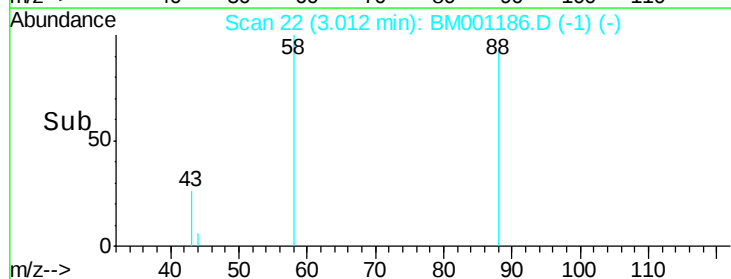
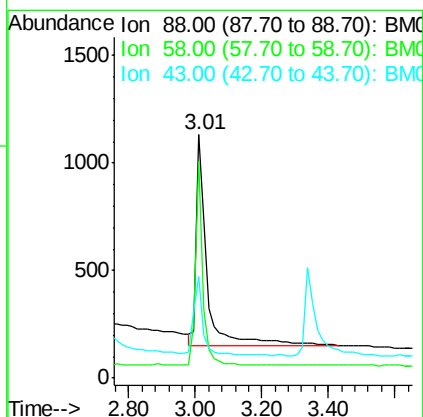
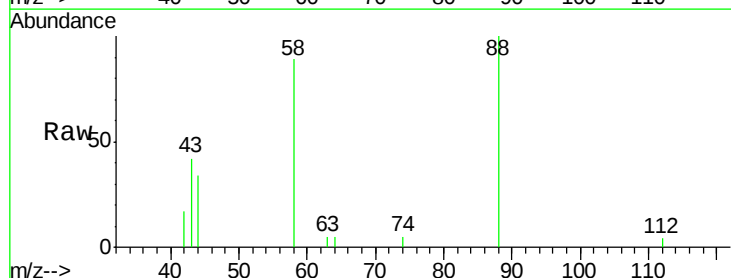
Tgt Ion: 88 Resp: 2178

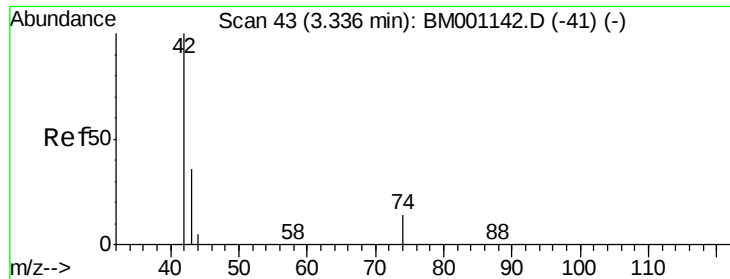
Ion Ratio Lower Upper

88 100

58 64.9 48.2 72.2

43 32.5 24.8 37.2





#3

n-Nitrosodimethylamine

Concen: 1.02 ng

RT: 3.34 min Scan# 43

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Instrument :

BNA_M

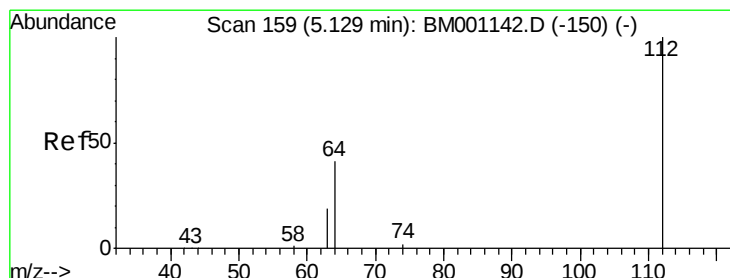
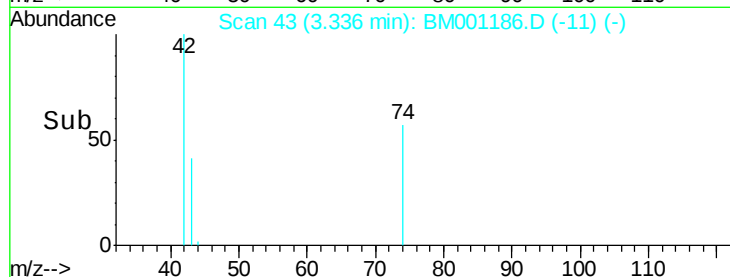
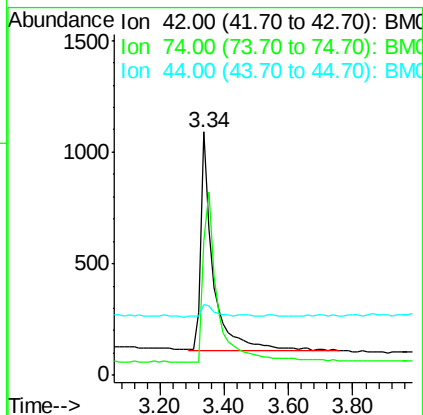
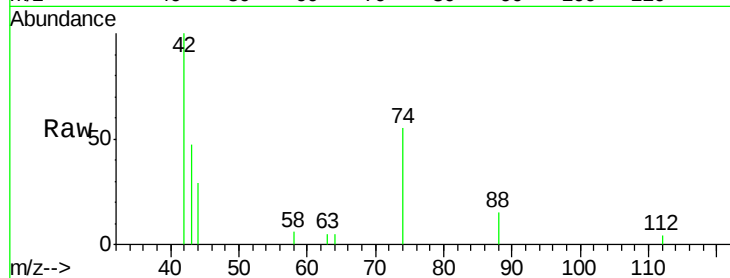
ClientSampleId :

SSTDCCC001

Tgt Ion:	42	Resp:	2585
Ion Ratio	Lower	Upper	
42	100		
74	94.5	72.0	108.0
44	8.0	3.7	5.5#

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#4

2-Fluorophenol

Concen: 1.04 ng

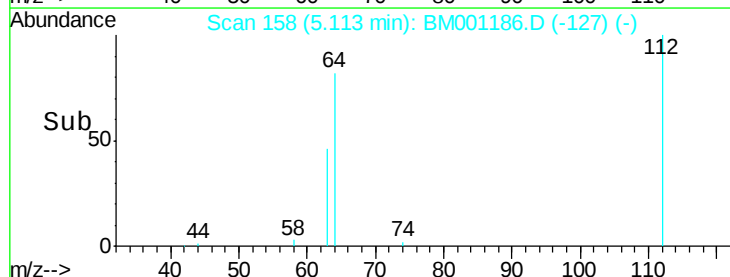
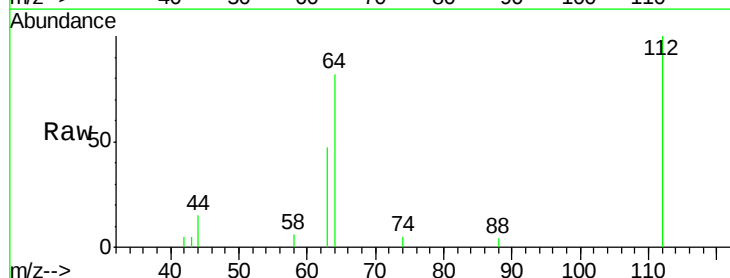
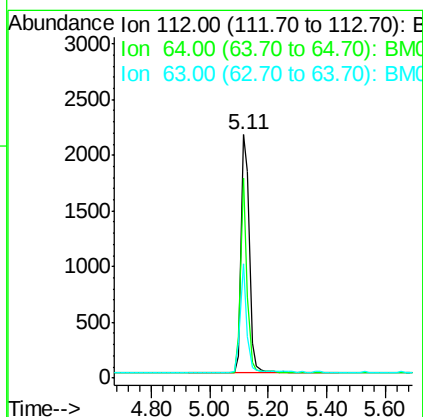
RT: 5.11 min Scan# 158

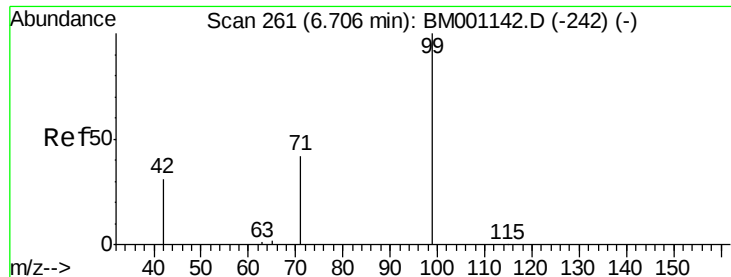
Delta R.T. -0.01 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	112	Resp:	4216
Ion Ratio	Lower	Upper	
112	100		
64	64.7	52.6	79.0
63	36.0	29.5	44.3





#5

Phenol-d6

Concen: 1.08 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Instrument :

BNA_M

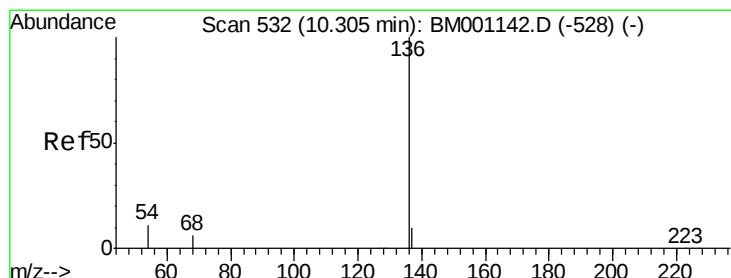
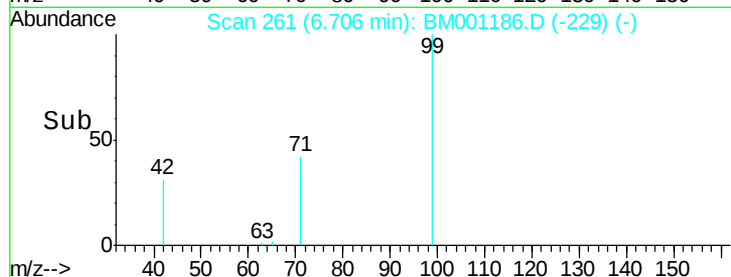
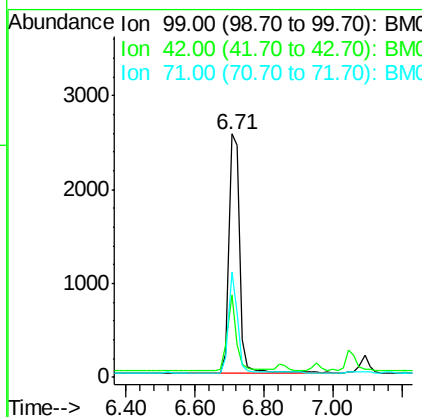
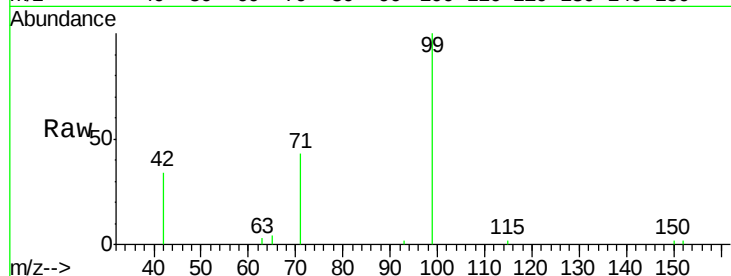
ClientSampleId :

SSTDCCC001

Tgt Ion:	99	Resp:	5377
Ion	Ratio	Lower	Upper
99	100		
42	25.2	20.9	31.3
71	35.2	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

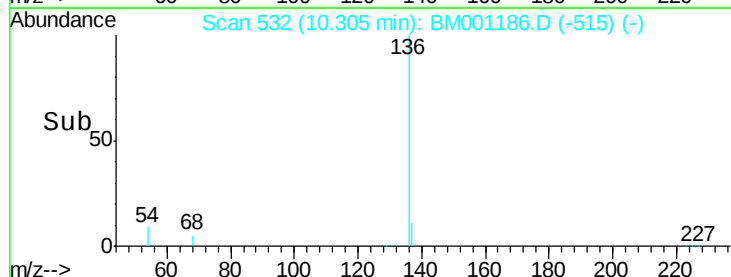
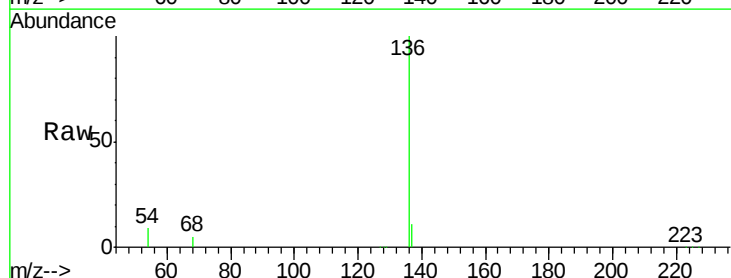
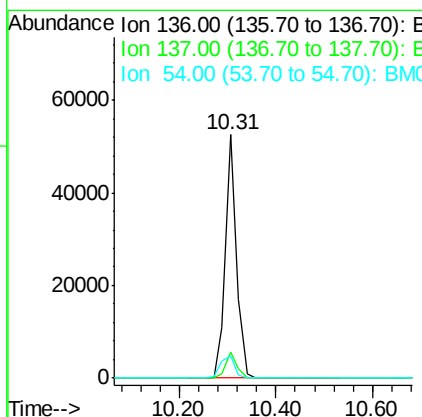
RT: 10.31 min Scan# 532

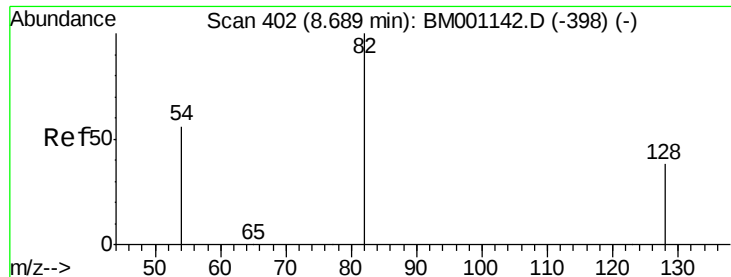
Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	136	Resp:	83818
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	9.0	9.0	13.4#





#7

Nitrobenzene-d5

Concen: 1.02 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Instrument :

BNA_M

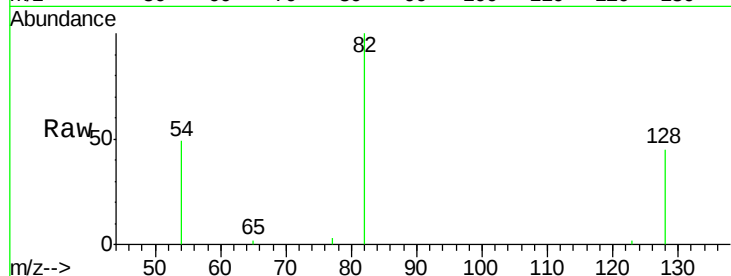
ClientSampleId :

SSTDCCC001

Tgt Ion:	82	Resp:	4838
Ion Ratio	Lower	Upper	
82	100		
128	45.0	31.9	47.9
54	49.5	46.2	69.2

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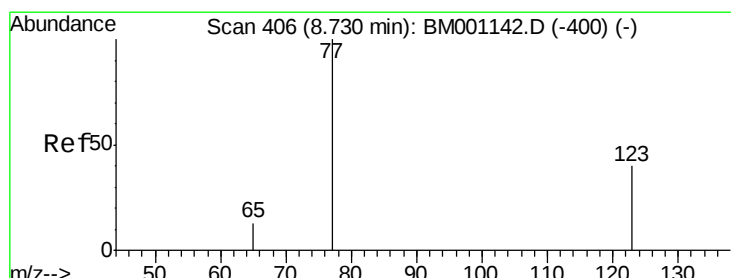
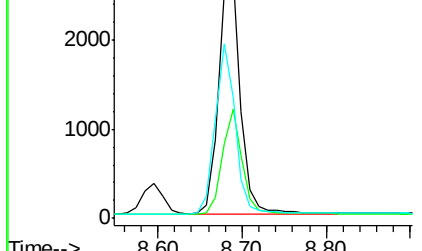
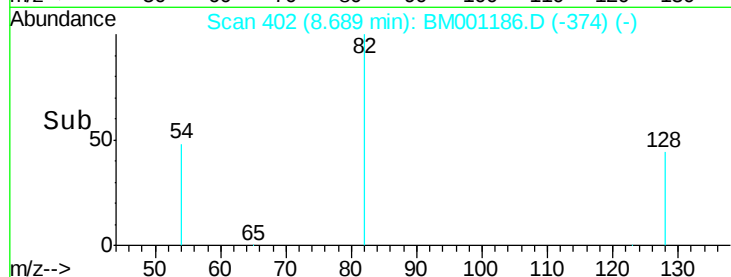


Abundance Ion 82.00 (81.70 to 82.70): BM001186.D (-374) (-)

Ion 128.00 (127.70 to 128.70): BM001186.D (-374) (-)

Ion 54.00 (53.70 to 54.70): BM001186.D (-374) (-)

Time-->



#8

Nitrobenzene

Concen: 0.96 ng

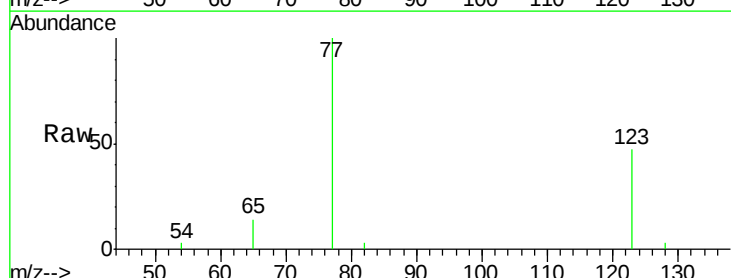
RT: 8.73 min Scan# 406

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	77	Resp:	5162
Ion Ratio	Lower	Upper	
77	100		
123	42.2	31.0	46.6
65	13.9	10.6	15.8

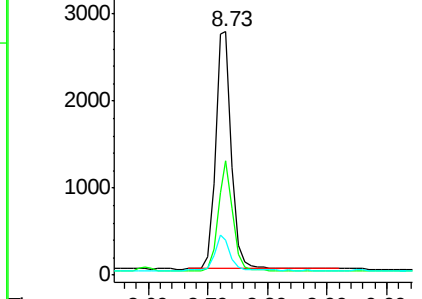
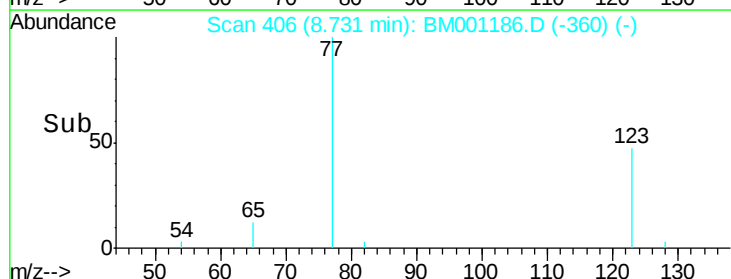


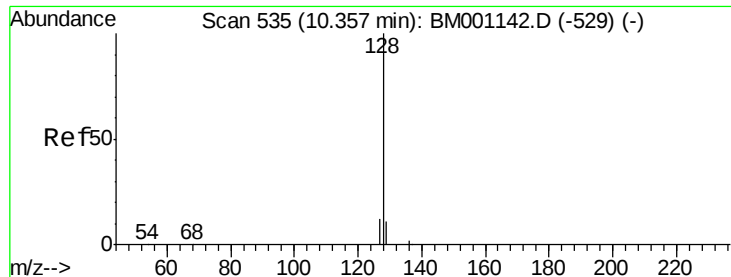
Abundance Ion 77.00 (76.70 to 77.70): BM001186.D (-360) (-)

Ion 123.00 (122.70 to 123.70): BM001186.D (-360) (-)

Ion 65.00 (64.70 to 65.70): BM001186.D (-360) (-)

Time-->





#9

Naphthalene

Concen: 1.00 ng

RT: 10.36 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Instrument :

BNA_M

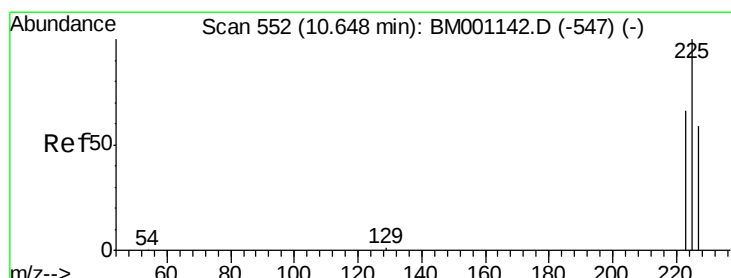
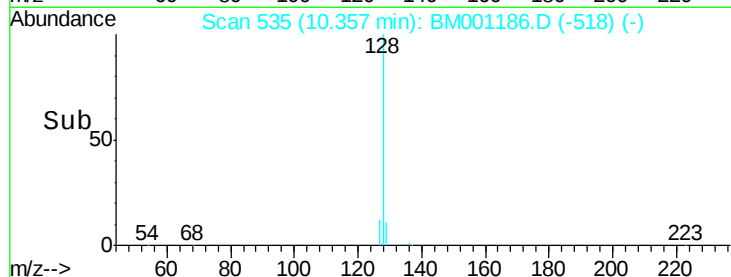
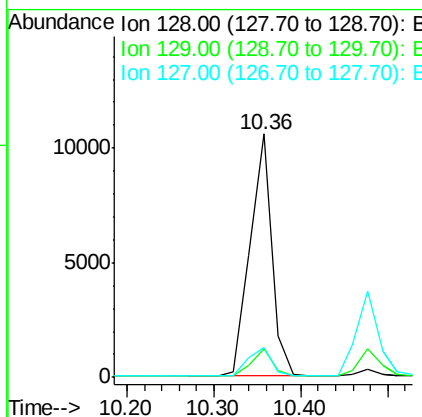
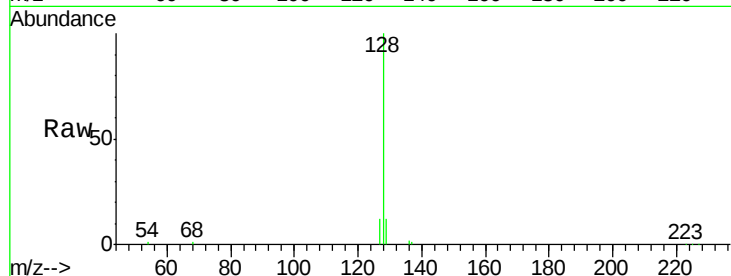
ClientSampleId :

SSTDCCC001

Tgt Ion:	128	Resp:	18472
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.0	13.6
127	12.2	10.0	15.0

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#10

Hexachlorobutadiene

Concen: 1.00 ng

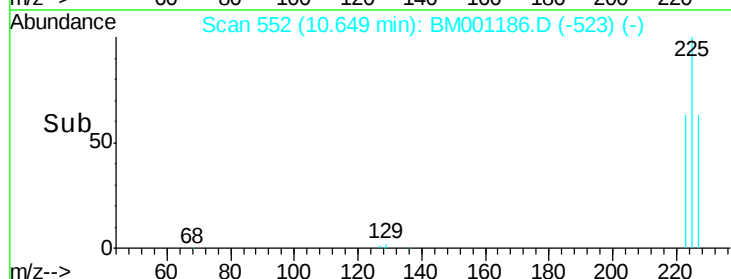
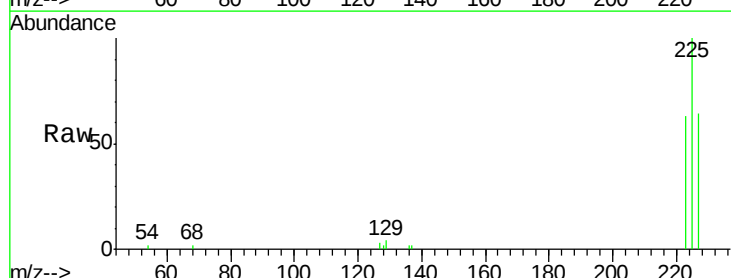
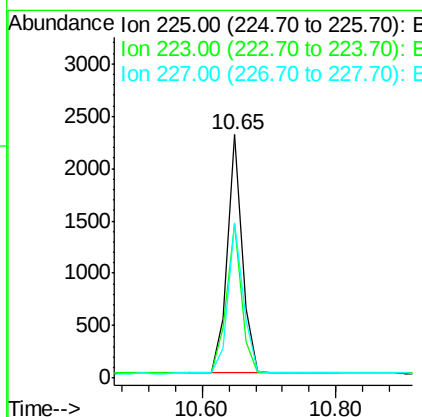
RT: 10.65 min Scan# 552

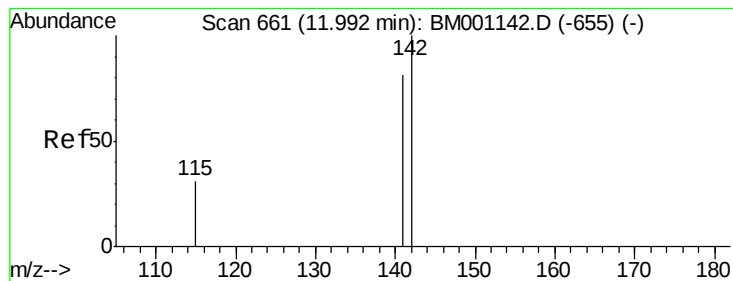
Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	225	Resp:	3545
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.8	76.2
227	64.3	51.0	76.4





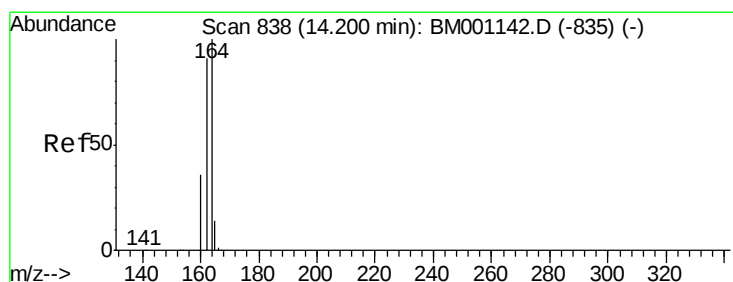
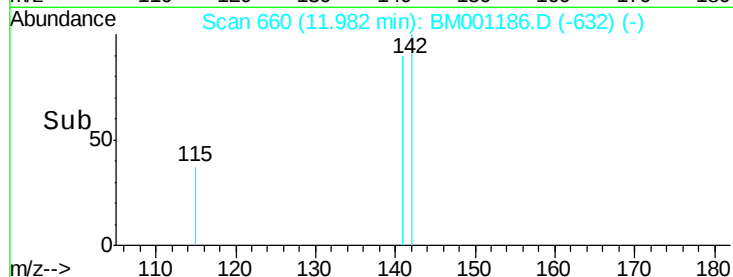
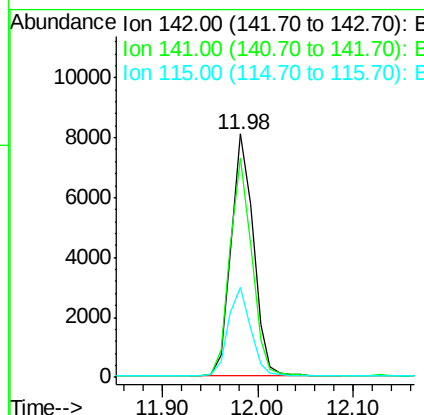
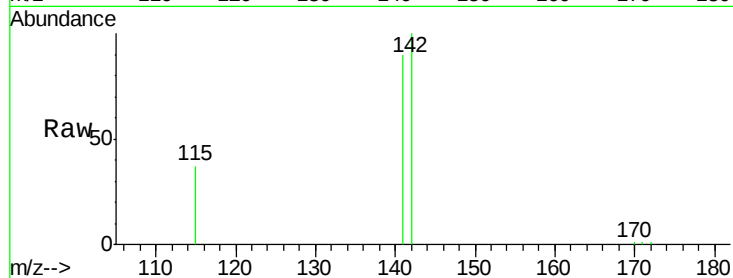
#11
2-Methylnaphthalene
Concen: 1.03 ng
RT: 11.98 min Scan# 660
Delta R.T. -0.01 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	65.1	97.7
115	36.9	25.1	37.7

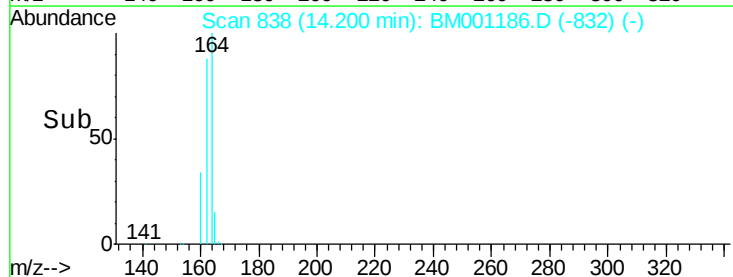
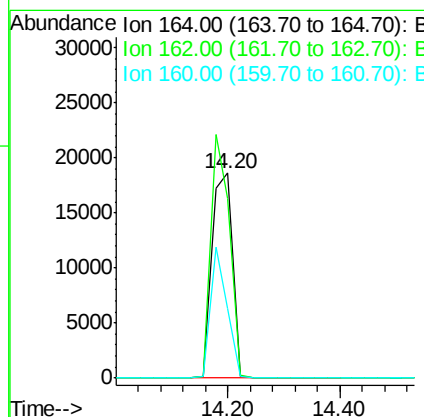
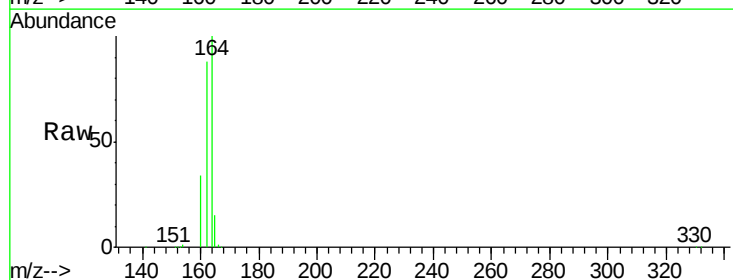
Manual Integrations
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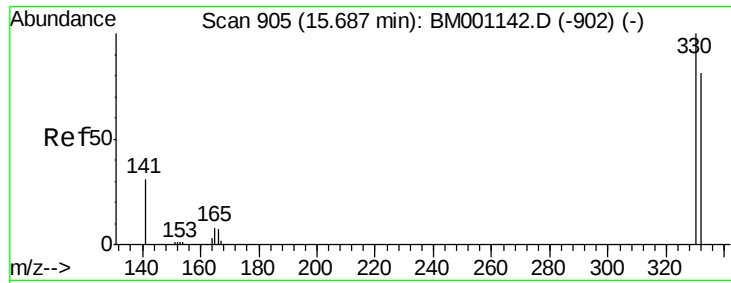
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 838
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	87.8	72.7	109.1
160	33.9	28.7	43.1





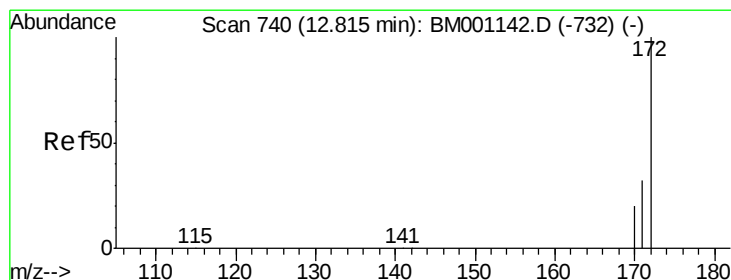
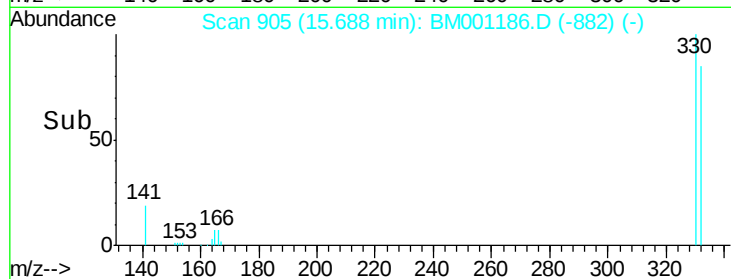
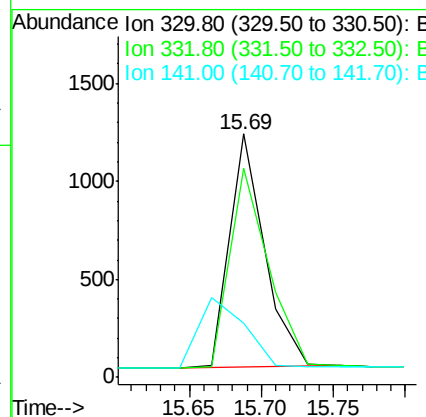
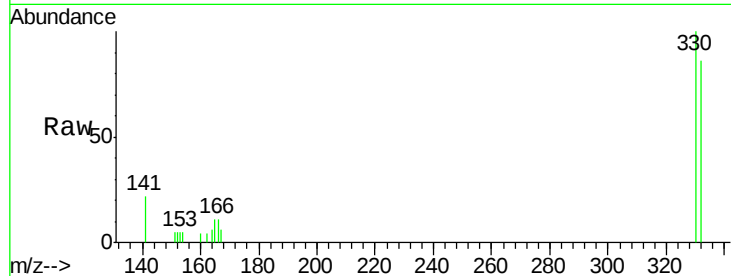
#13
 2,4,6-Tribromophenol
 Concen: 1.01 ng m
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
330	100		
332	129.3	74.5	111.7#
141	0.0	21.0	31.4#

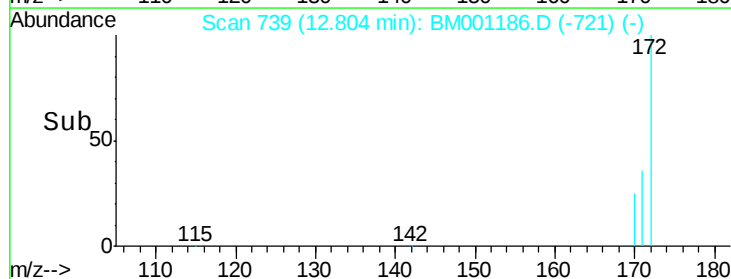
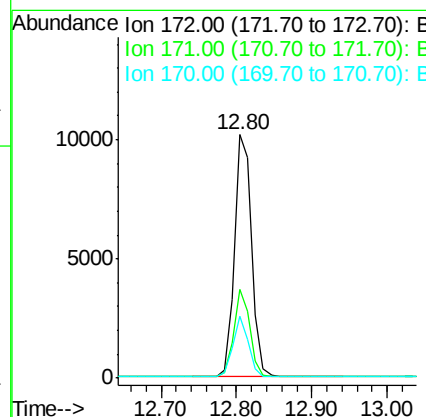
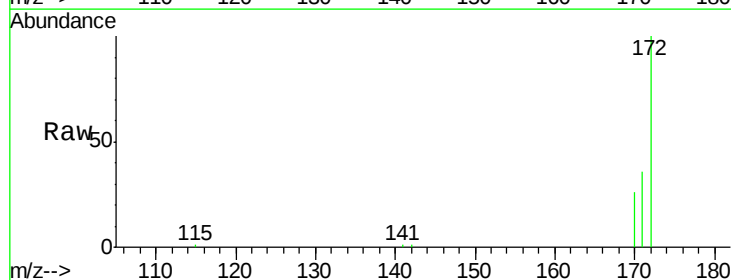
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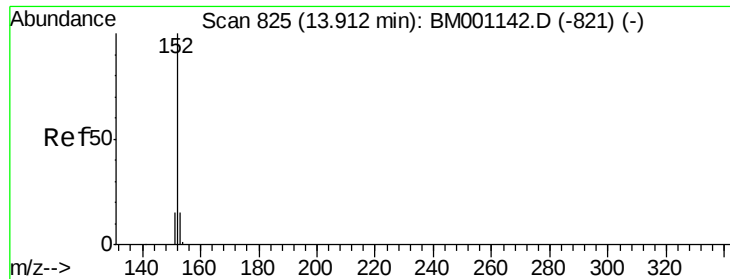
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#14
 2-Fluorobiphenyl
 Concen: 1.02 ng
 RT: 12.80 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	25.8	38.6
170	25.6	16.1	24.1#





#15

Acenaphthylene

Concen: 1.07 ng

RT: 13.89 min Scan# 824

Delta R.T. -0.02 min

Lab File: BM001186.D

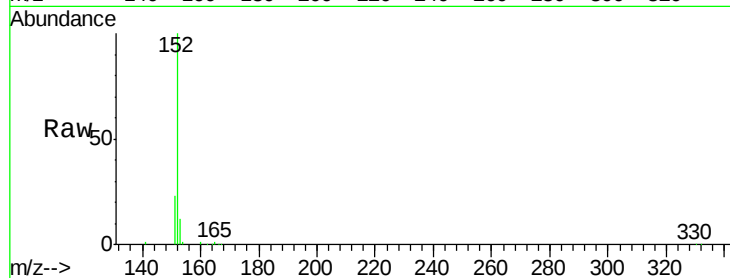
Acq: 04 May 2015 10:52

Instrument :

BNA_M

ClientSampleId :

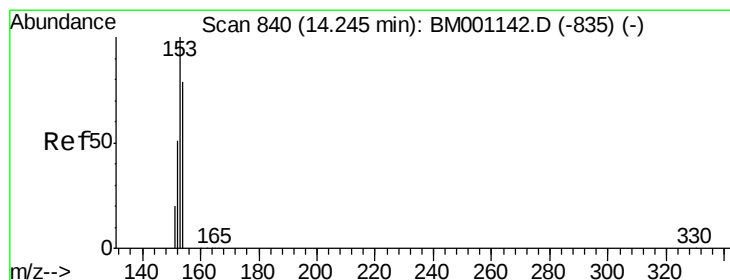
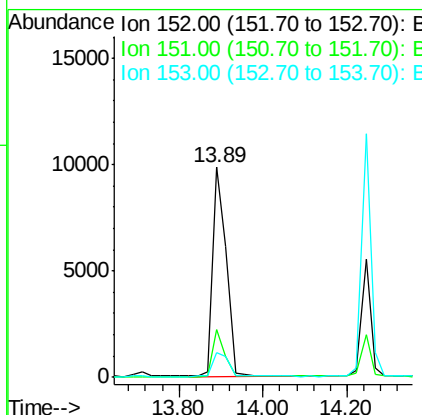
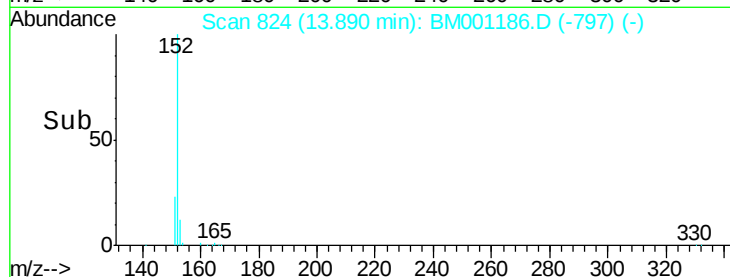
SSTDCCC001



Tgt Ion:	152	Resp:	22400
Ion Ratio	Lower	Upper	
152	100		
151	19.2	0.0	0.0#
153	12.5	10.3	15.5

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#16

Acenaphthene

Concen: 1.06 ng

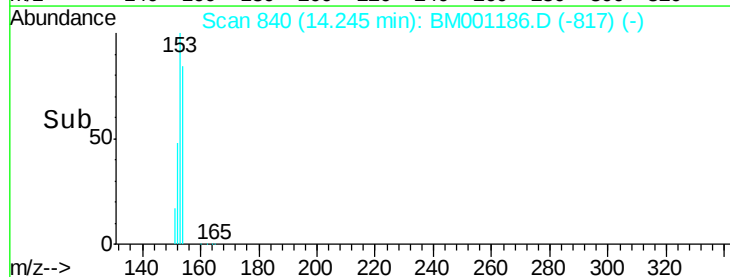
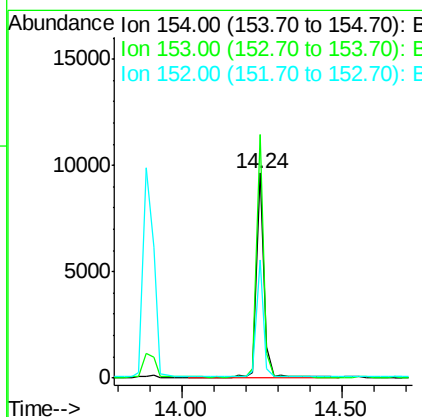
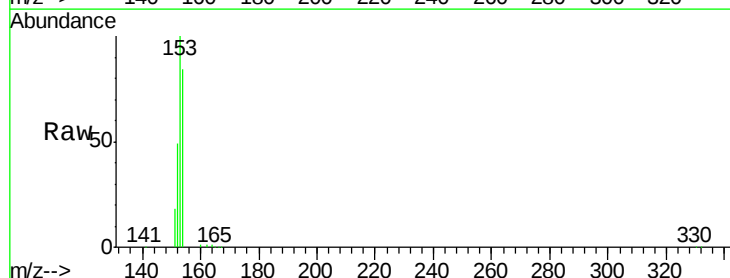
RT: 14.24 min Scan# 840

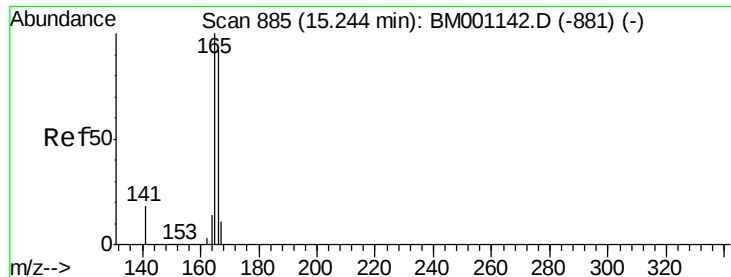
Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	154	Resp:	15353
Ion Ratio	Lower	Upper	
154	100		
153	112.0	90.6	136.0
152	54.2	45.0	67.4





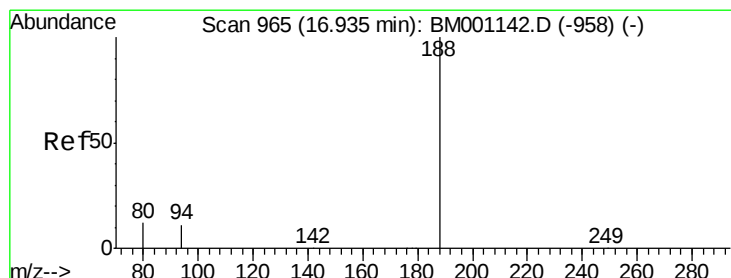
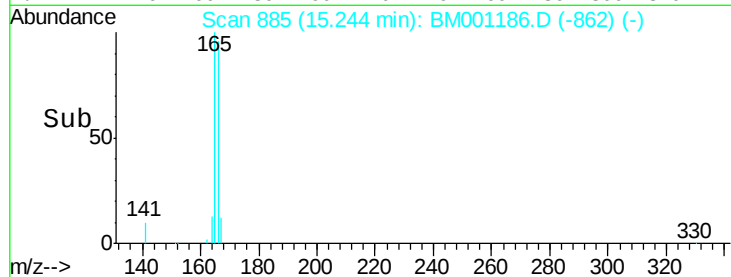
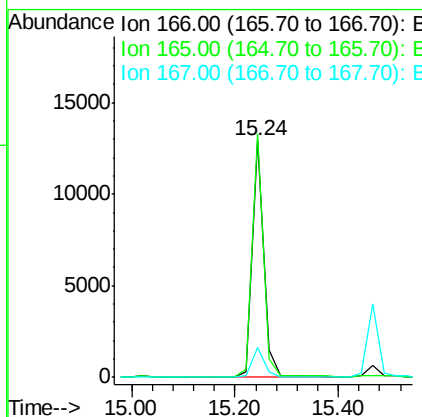
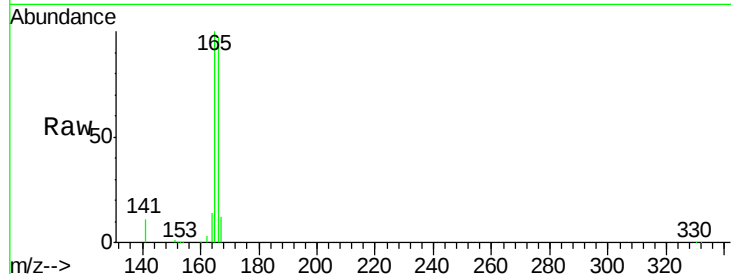
#17
Fluorene
 Concen: 1.16 ng
 RT: 15.24 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	19559		
165	100.3	81.0	121.6	
167	12.9	10.4	15.6	

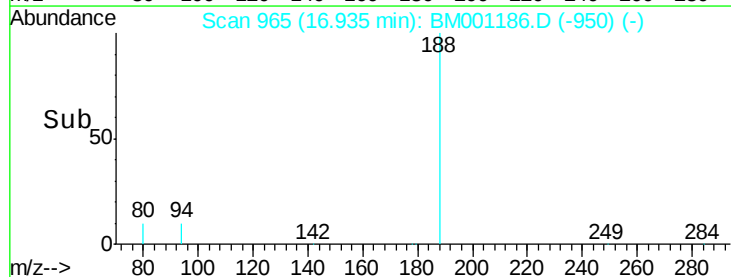
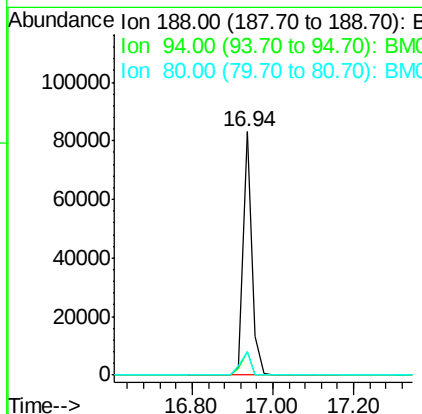
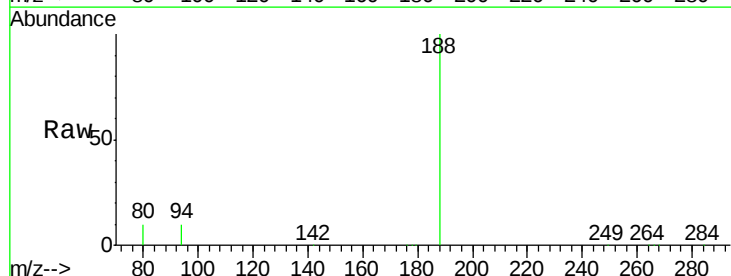
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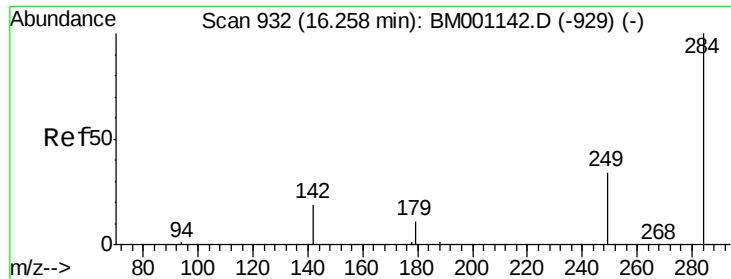
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	123088		
94	9.6	9.3	13.9	
80	9.8	9.8	14.6	





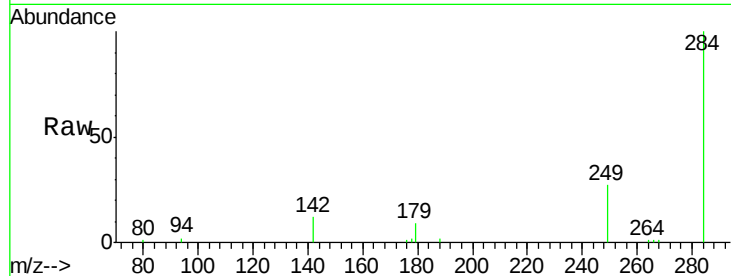
#19
Hexachlorobenzene
Concen: 0.98 ng
RT: 16.26 min Scan# 932
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

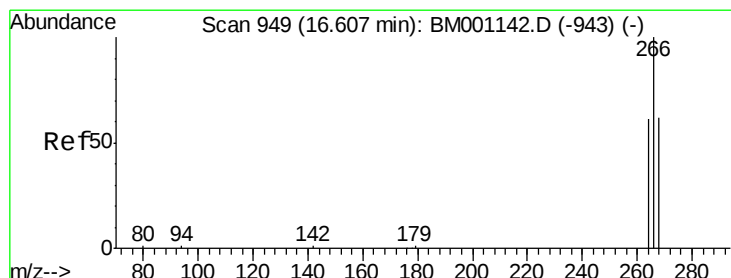
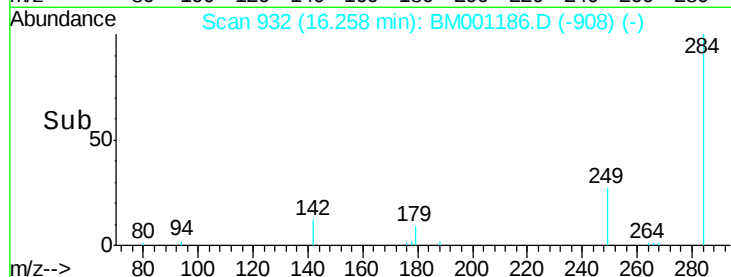
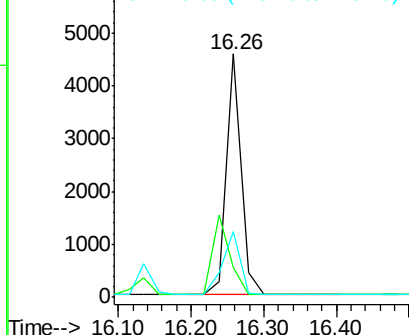
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	6481		
142	0.0	0.0	0.0	0.0
249	32.1	26.5	39.7	

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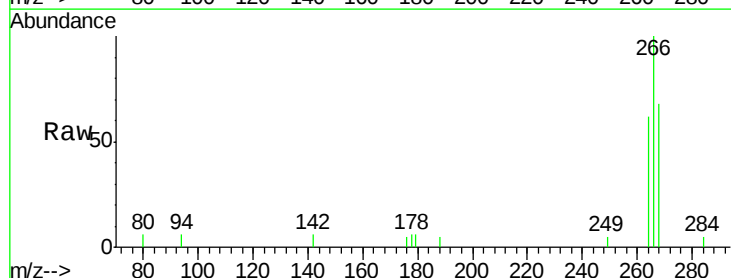


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

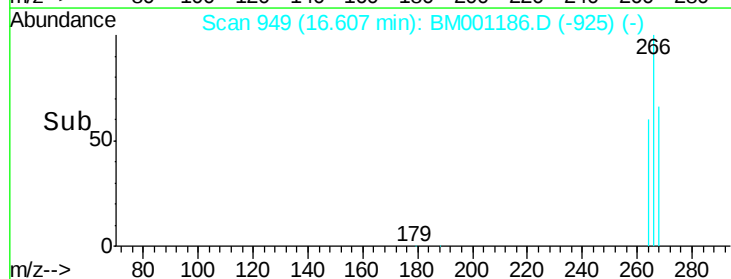
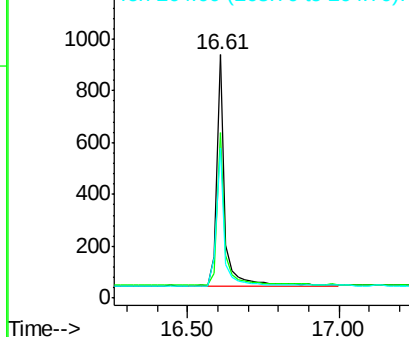


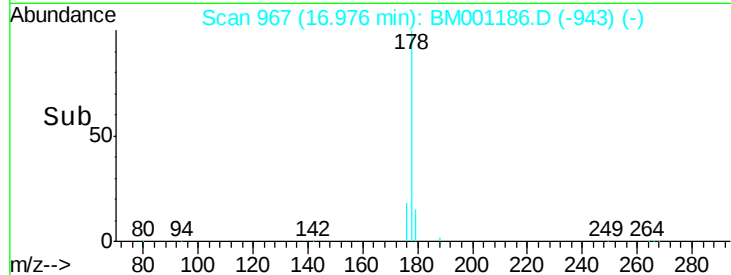
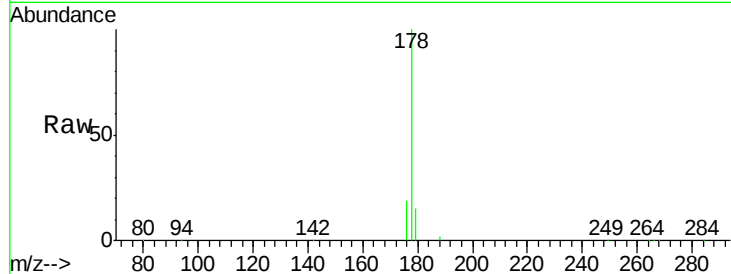
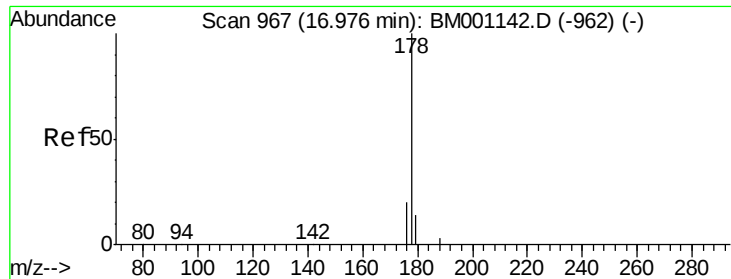
#20
Pentachlorophenol
Concen: 0.94 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1712		
268	67.9	52.6	79.0	
264	61.6	51.0	76.4	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 1.02 ng

RT: 16.98 min Scan# 967

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	178	Resp:	32187
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	15.5	12.0	18.0

Instrument :

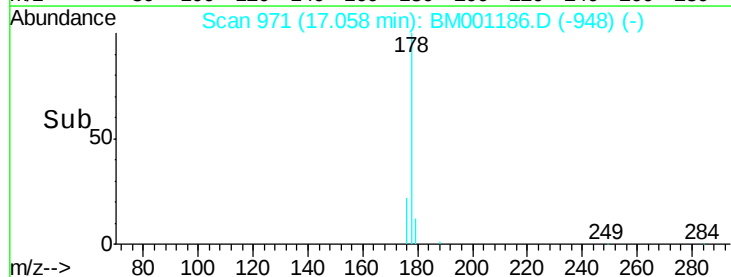
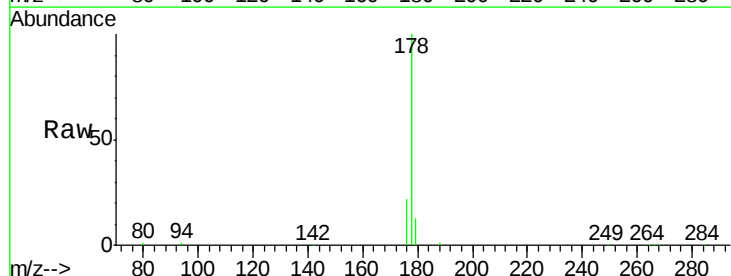
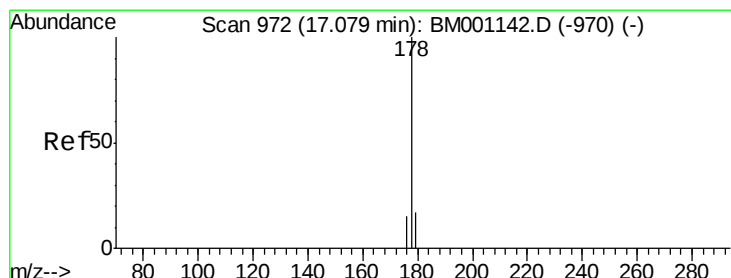
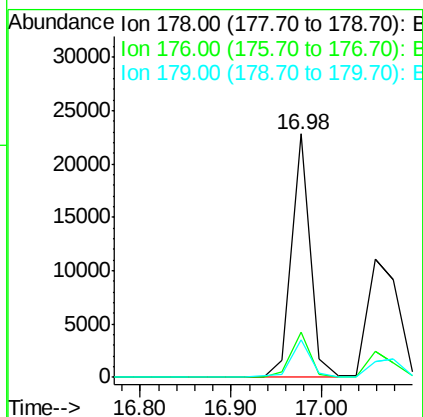
BNA_M

ClientSampleId :

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#22

Anthracene

Concen: 1.01 ng m

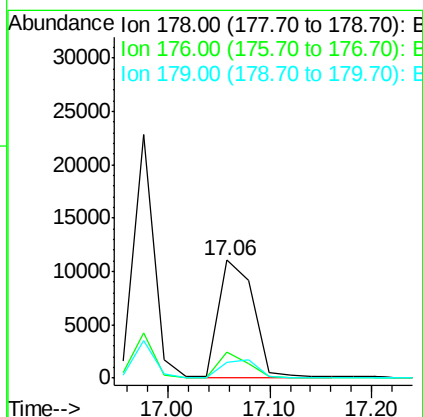
RT: 17.06 min Scan# 971

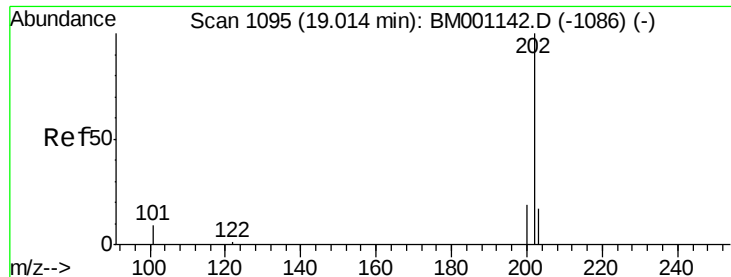
Delta R.T. -0.02 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Tgt Ion:	178	Resp:	26454
Ion Ratio	Lower	Upper	
178	100		
176	22.6	14.3	21.5#
179	18.9	12.2	18.2#





#23

Fluoranthene

Concen: 1.02 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

Instrument :

BNA_M

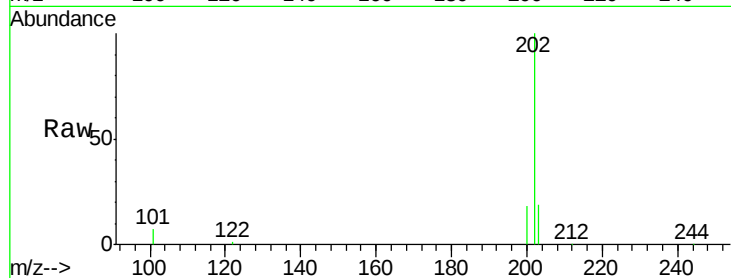
ClientSampleId :

SSTDCCC001

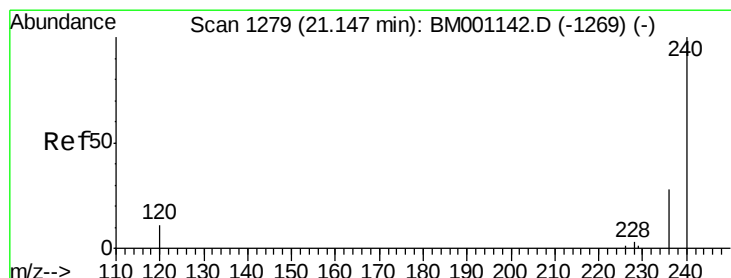
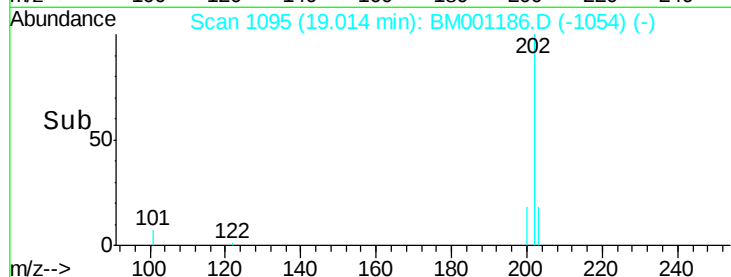
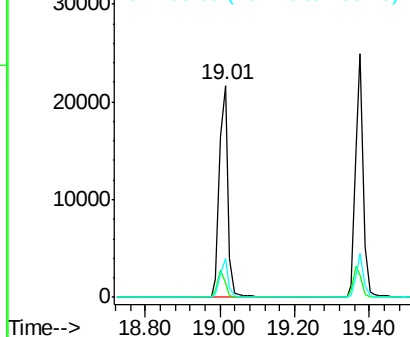
Tgt	Ion	202	Resp:	32761
Ion	Ratio	Lower	Upper	
202	100			
101	11.4	9.3	13.9	
203	17.2	13.7	20.5	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

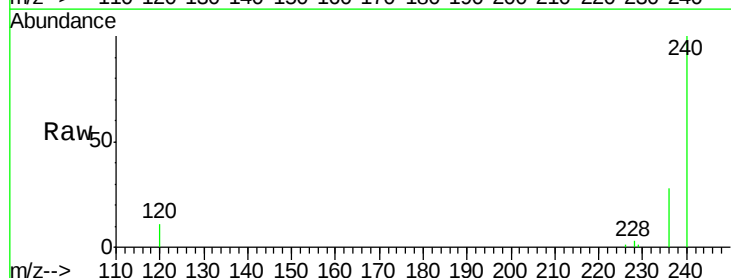
RT: 21.15 min Scan# 1279

Delta R.T. 0.00 min

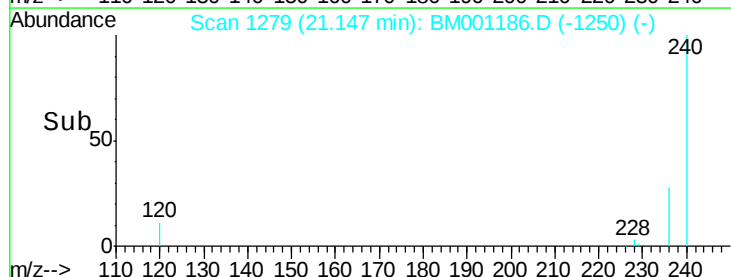
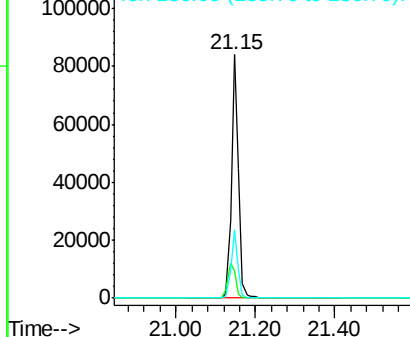
Lab File: BM001186.D

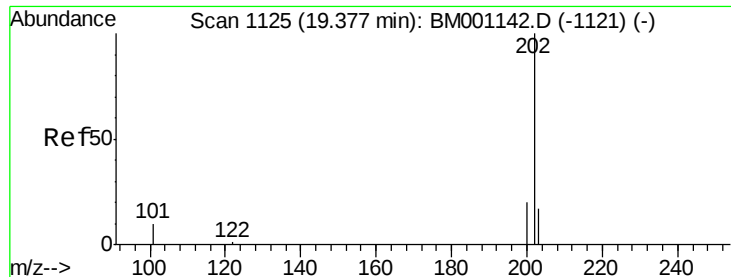
Acq: 04 May 2015 10:52

Tgt	Ion	240	Resp:	103327
Ion	Ratio	Lower	Upper	
240	100			
120	11.3	9.2	13.8	
236	28.3	22.4	33.6	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





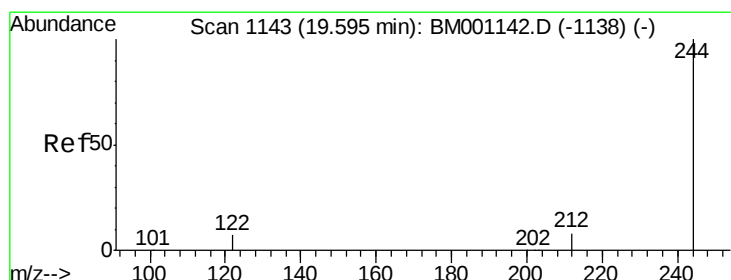
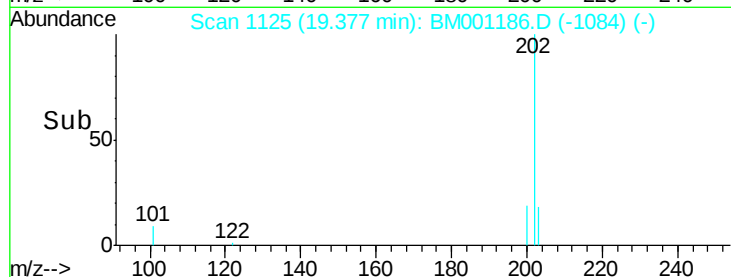
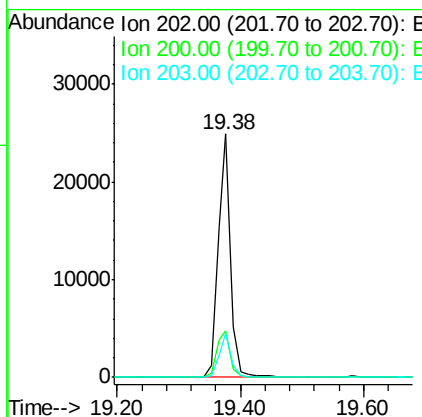
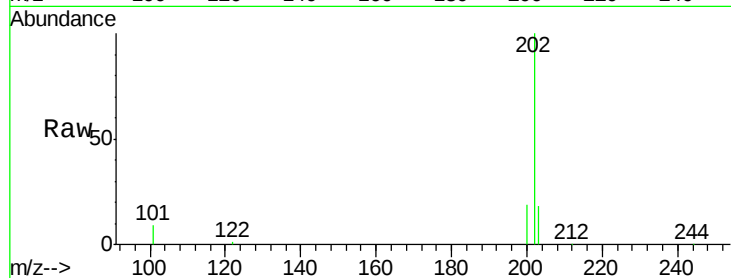
#25
 Pyrene
 Concen: 1.07 ng
 RT: 19.38 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	34602		
200	20.4	16.4	24.6	
203	17.2	13.8	20.6	

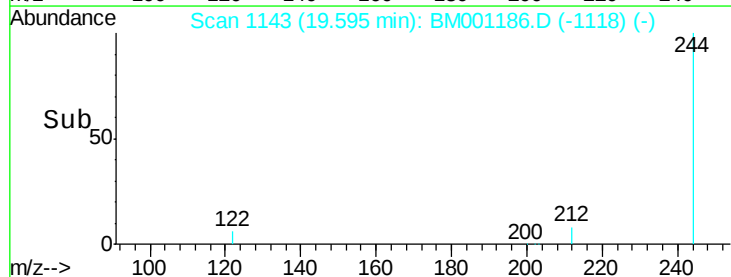
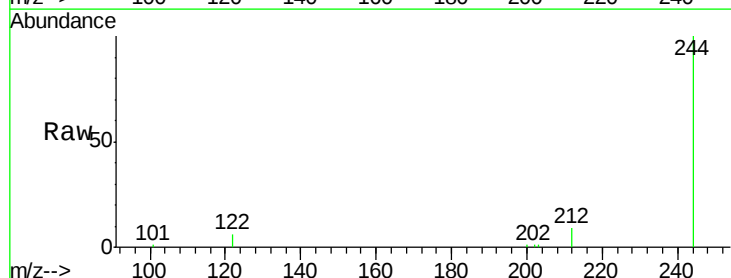
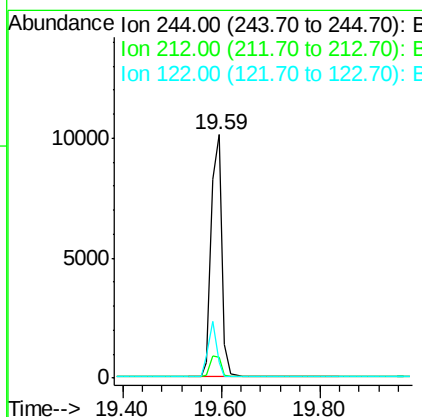
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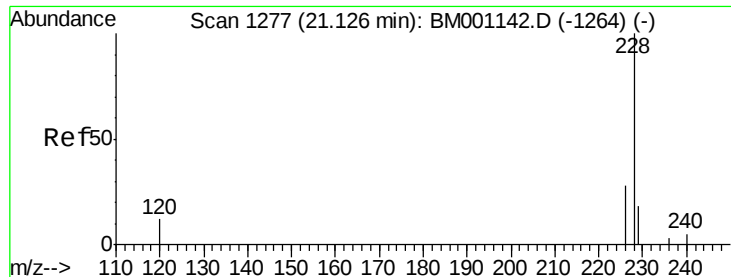
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#26
 Terphenyl-d14
 Concen: 1.06 ng
 RT: 19.59 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	15083		
212	8.6	7.1	10.7	
122	6.2	6.2	9.4	





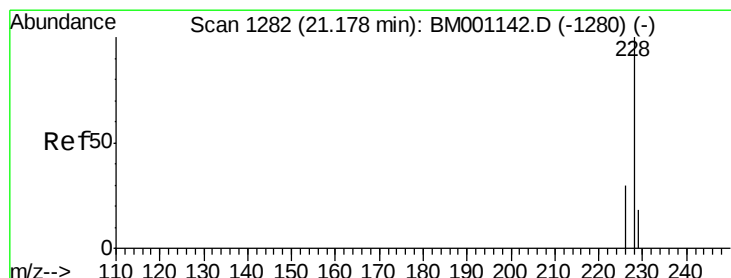
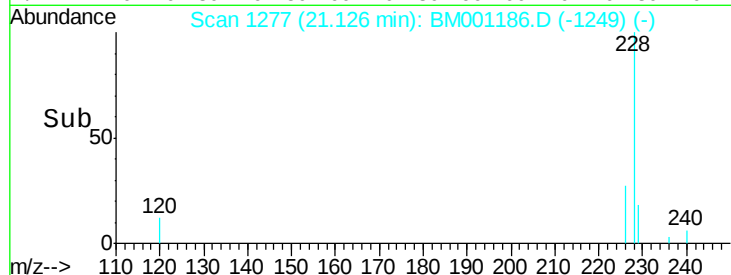
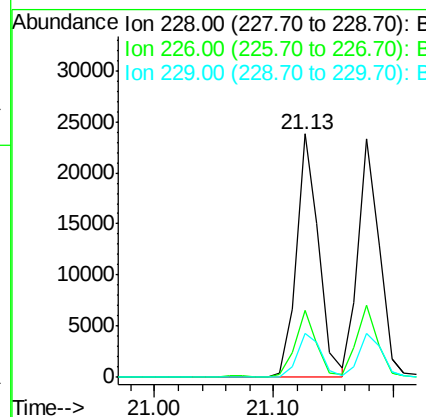
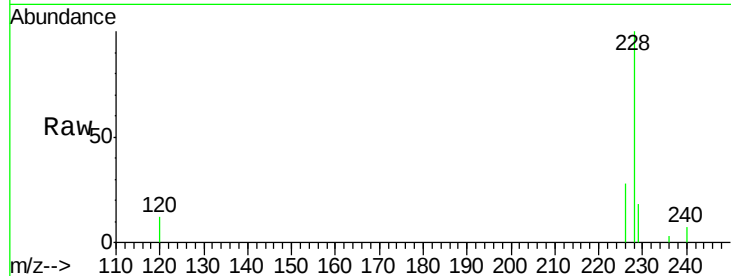
#27
Benzo(a)anthracene
Concen: 1.05 ng
RT: 21.13 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	30623		
226	27.6		22.8	34.2
229	17.9		14.4	21.6

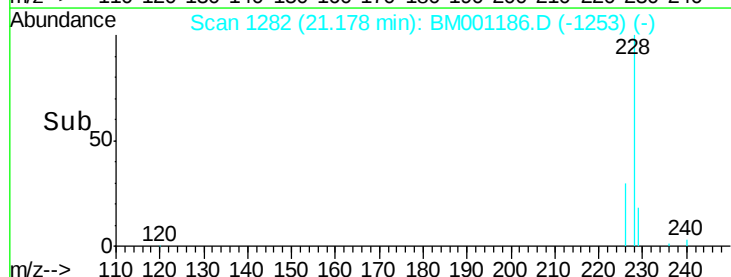
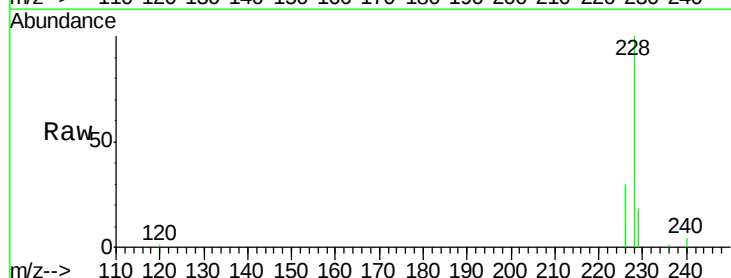
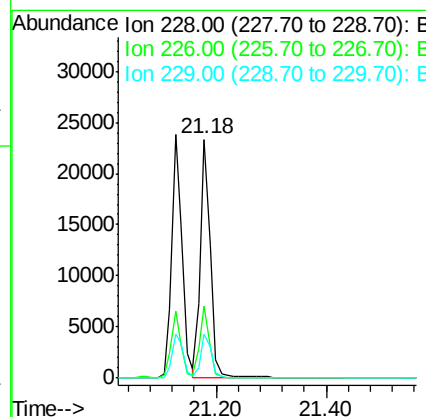
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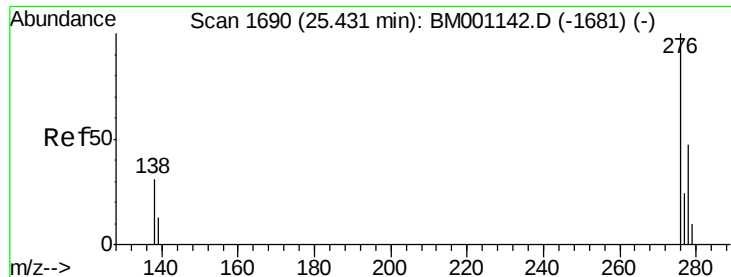
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#28
Chrysene
Concen: 1.01 ng
RT: 21.18 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	29006		
226	30.2		24.4	36.6
229	18.5		14.3	21.5





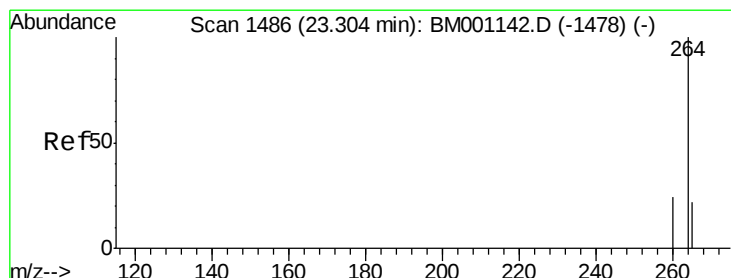
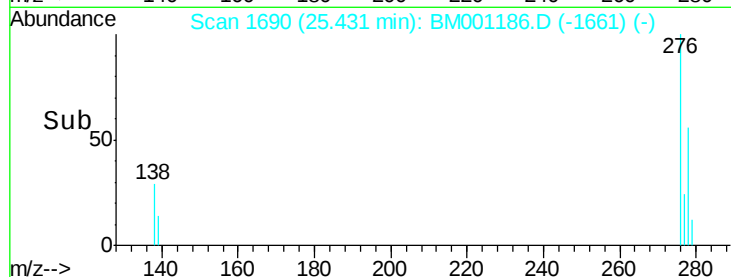
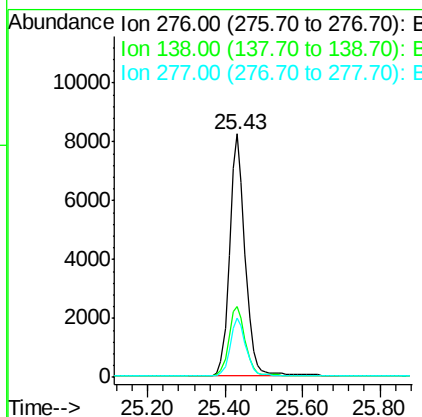
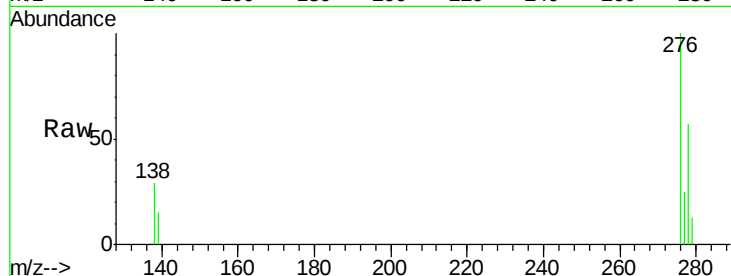
#29
Indeno(1,2,3-cd)pyrene
Concen: 0.88 ng
RT: 25.43 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	22940		
138	30.3	24.2	36.4	
277	24.4	19.8	29.6	

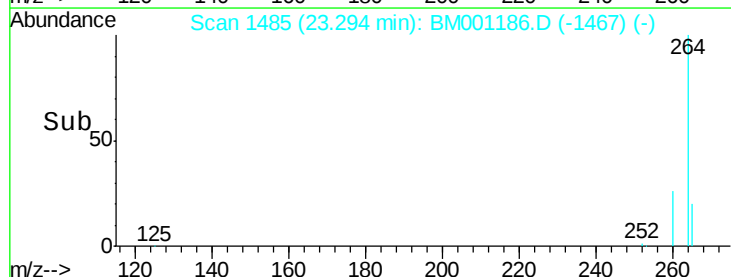
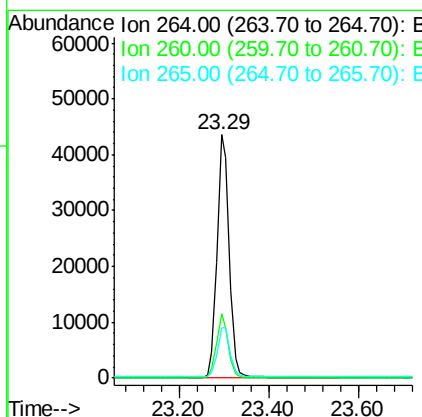
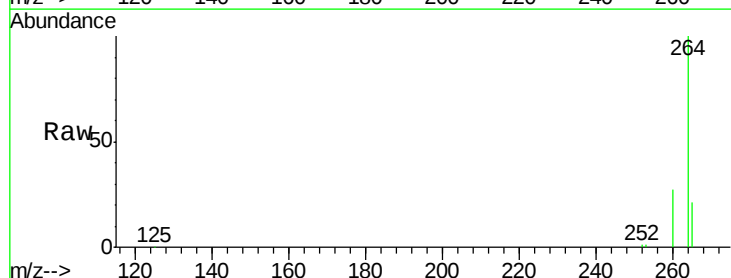
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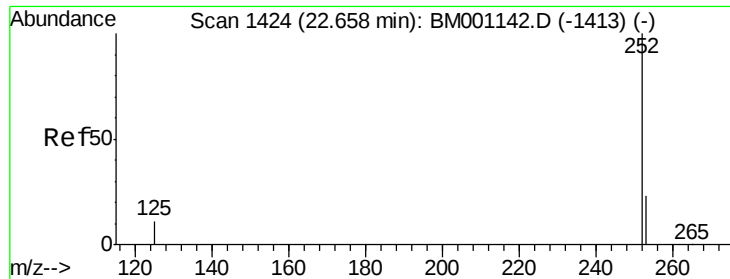
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#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	81754		
260	26.5	18.9	28.3	
265	20.6	18.1	27.1	





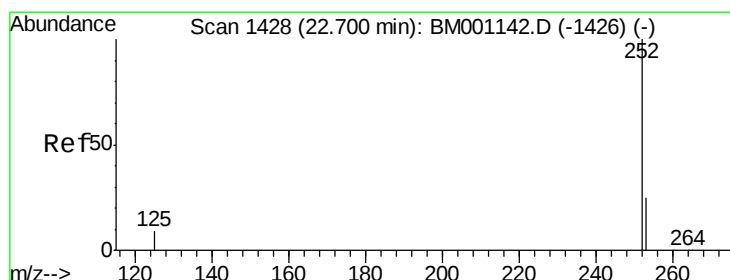
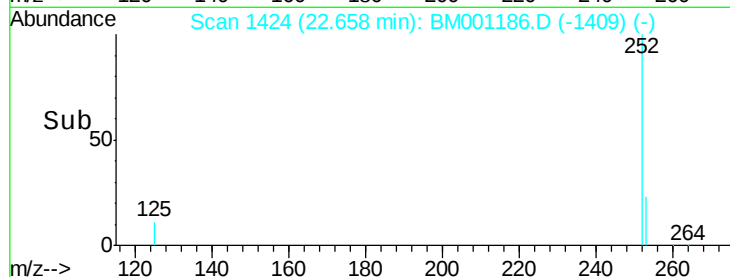
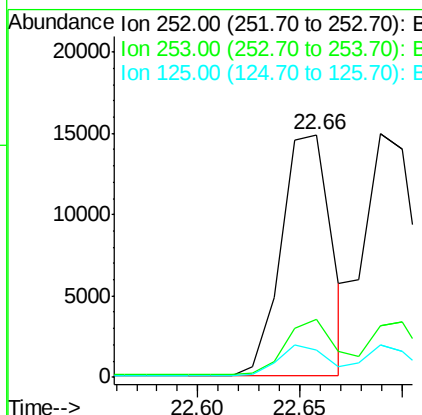
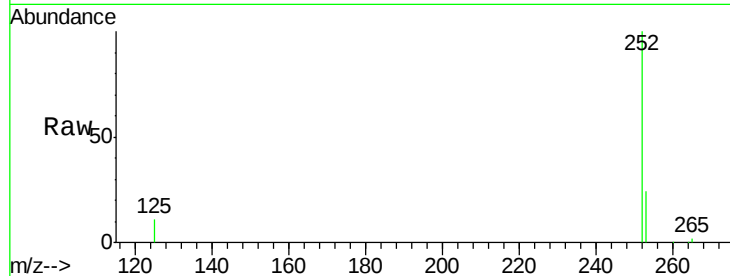
#31
Benzo(b)fluoranthene
Concen: 1.00 ng
RT: 22.66 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.4
125	11.3	9.1	13.7

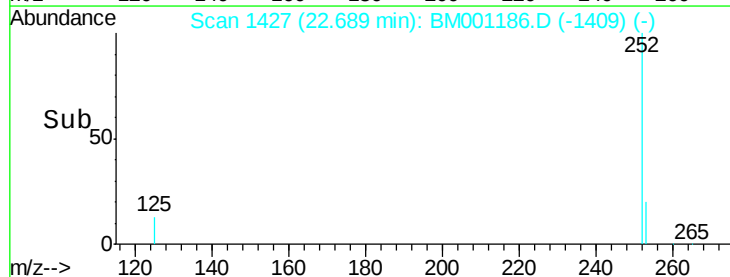
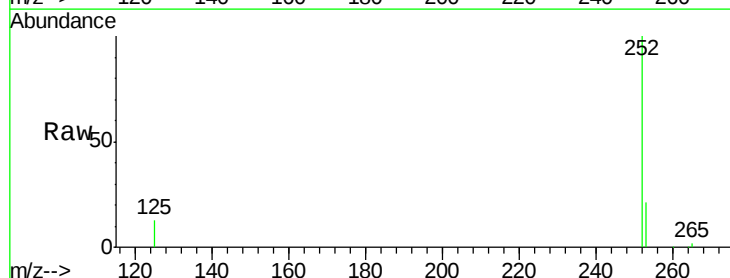
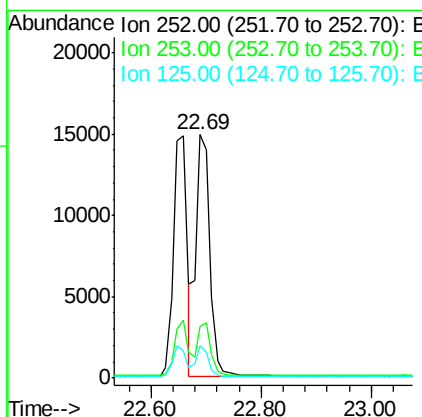
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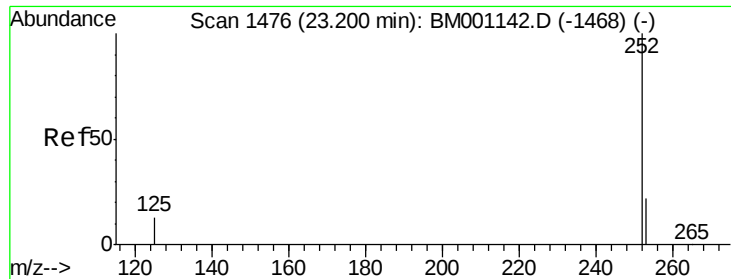
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#32
Benzo(k)fluoranthene
Concen: 1.11 ng
RT: 22.69 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BM001186.D
Acq: 04 May 2015 10:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	19.1	28.7
125	13.1	9.3	13.9





#33

Benzo(a)pyrene

Concen: 1.05 ng

RT: 23.20 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BM001186.D

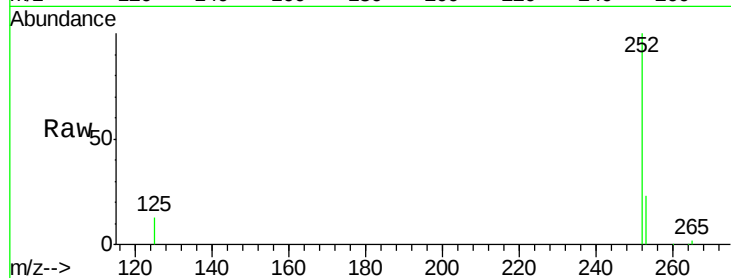
Acq: 04 May 2015 10:52

Instrument :

BNA_M

ClientSampleId :

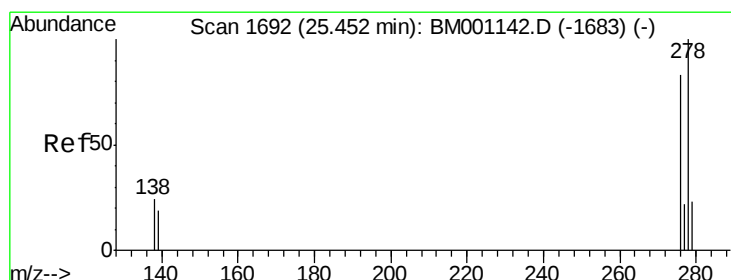
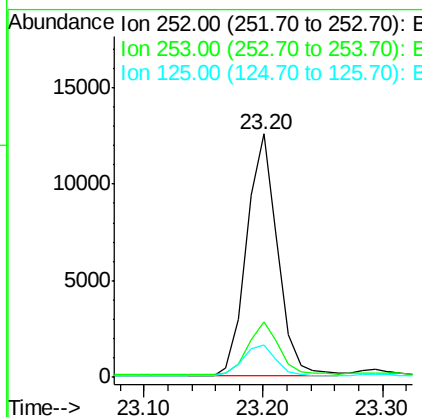
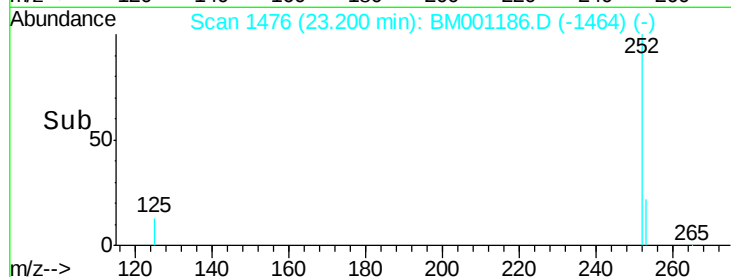
SSTDCCC001



Tgt Ion:	252	Resp:	22407
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.2
125	13.3	10.6	16.0

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#34

Dibenzo(a,h)anthracene

Concen: 0.95 ng

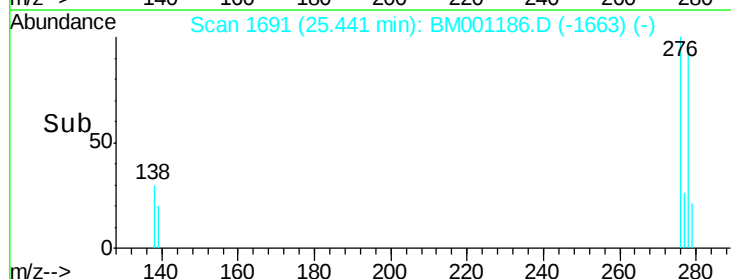
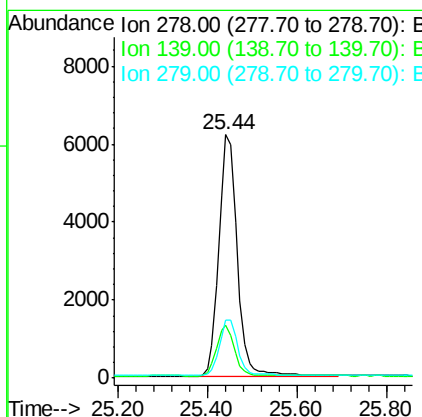
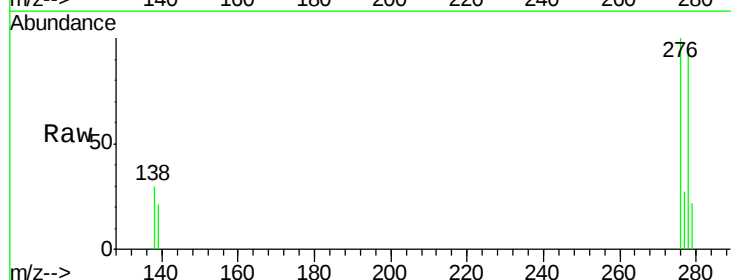
RT: 25.44 min Scan# 1691

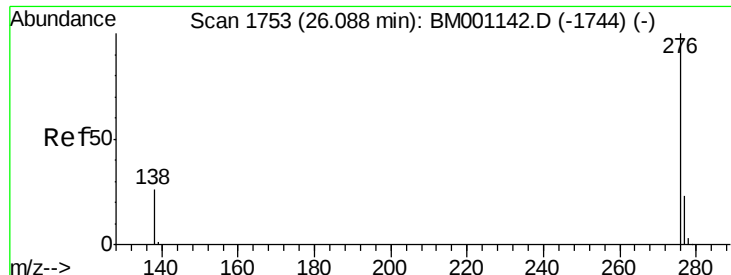
Delta R.T. -0.01 min

Lab File: BM001186.D

Acq: 04 May 2015 10:52

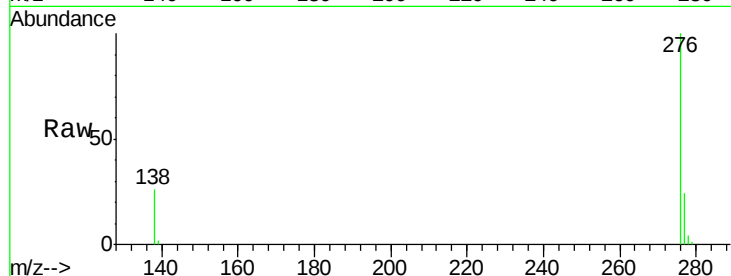
Tgt Ion:	278	Resp:	17686
Ion Ratio	Lower	Upper	
278	100		
139	21.9	15.5	23.3
279	23.7	19.7	29.5





#35
 Benzo(g,h,i)perylene
 Concen: 0.93 ng
 RT: 26.09 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM001186.D
 Acq: 04 May 2015 10:52

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001



Tgt Ion:	276	Resp:	18340
Ion Ratio		Lower	Upper
276	100		
277	24.3	19.0	28.4
138	26.0	21.3	31.9

Manual Integrations
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