

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001170.D
 Acq On : 02 May 2015 15:50
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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apatel
 5/5/2015 8:04:44 AM

Quant Time: May 04 17:35:54 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	7.52	152	16325	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	63385	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	36253	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	89023	5.00	ng	0.00
24) Chrysene-d12	21.15	240	76372	5.00	ng	0.00
30) Perylene-d12	23.29	264	61680	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	3224	1.02	ng	-0.01
5) Phenol-d6	6.71	99	3967	1.01	ng	0.00
7) Nitrobenzene-d5	8.69	82	3537	0.99	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	2026	1.28	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	12198	1.02	ng	0.00
26) Terphenyl-d14	19.59	244	10935	1.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	1472	0.70	ng	# 81
3) n-Nitrosodimethylamine	3.34	42	1965	0.98	ng	# 99
8) Nitrobenzene	8.73	77	3774	0.93	ng	97
9) Naphthalene	10.36	128	14053	1.01	ng	99
10) Hexachlorobutadiene	10.65	225	2733	1.02	ng	99
11) 2-Methylnaphthalene	11.98	142	9967m	1.04	ng	
15) Acenaphthylene	13.89	152	16295	1.03	ng	# 67
16) Acenaphthene	14.24	154	11125	1.02	ng	97
17) Fluorene	15.24	166	13400	1.06	ng	100
19) Hexachlorobenzene	16.26	284	4876	1.02	ng	# 99
20) Pentachlorophenol	16.61	266	1101	0.88	ng	98
21) Phenanthrene	16.98	178	23800	1.04	ng	99
22) Anthracene	17.08	178	18655m	0.98	ng	
23) Fluoranthene	19.01	202	23337	1.01	ng	100
25) Pyrene	19.38	202	24674	1.03	ng	100
27) Benzo(a)anthracene	21.13	228	21561	1.00	ng	98
28) Chrysene	21.18	228	21268	1.01	ng	98
29) Indeno(1,2,3-cd)pyrene	25.43	276	17154	0.89	ng	99
31) Benzo(b)fluoranthene	22.65	252	18953	1.00	ng	96
32) Benzo(k)fluoranthene	22.69	252	19046	1.07	ng	96
33) Benzo(a)pyrene	23.20	252	16343	1.02	ng	98
34) Dibenzo(a,h)anthracene	25.44	278	13382	0.95	ng	98
35) Benzo(g,h,i)perylene	26.09	276	13889	0.94	ng	98

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

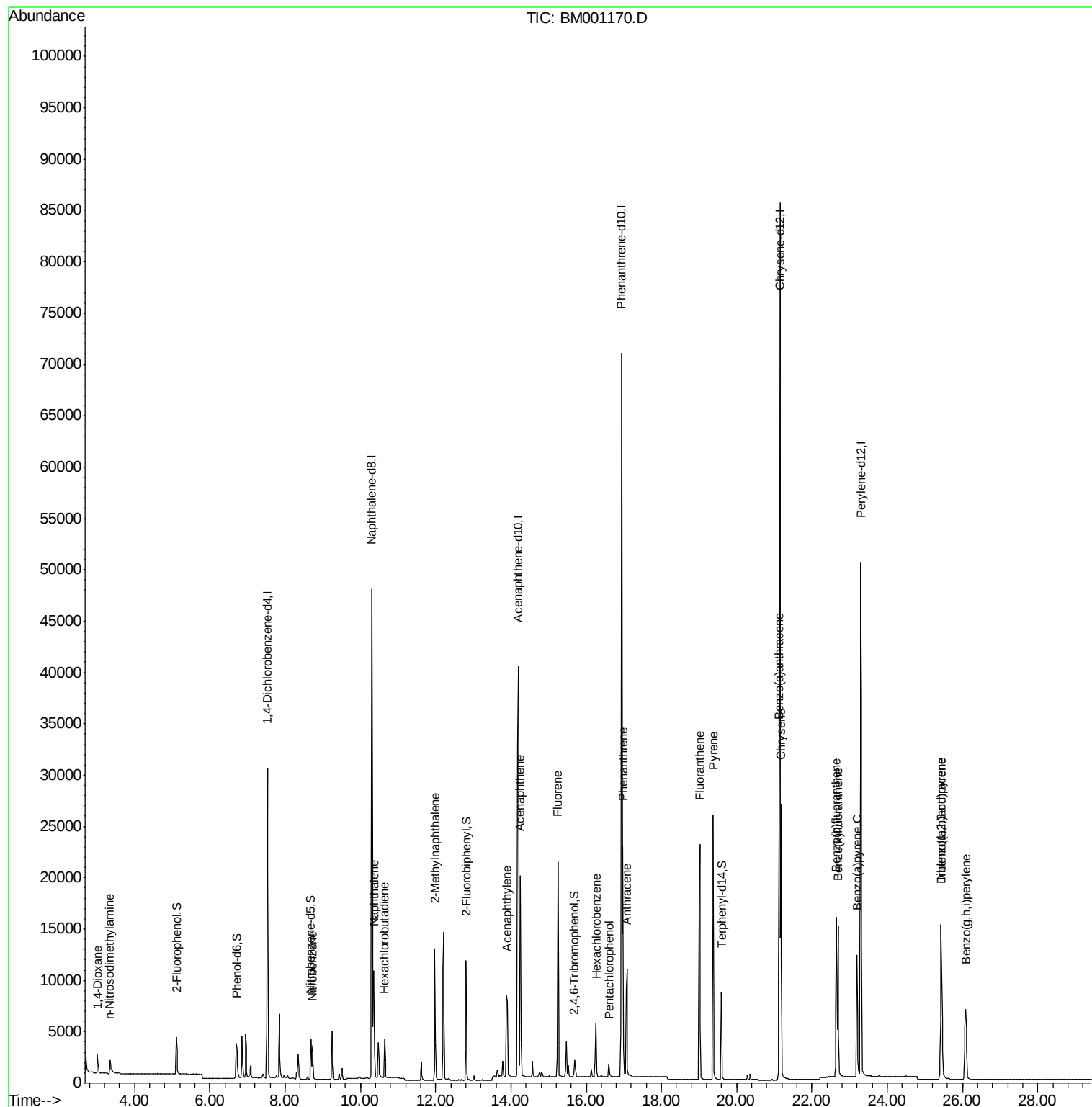
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
Data File : BM001170.D
Acq On : 02 May 2015 15:50
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 5 Sample Multiplier: 1

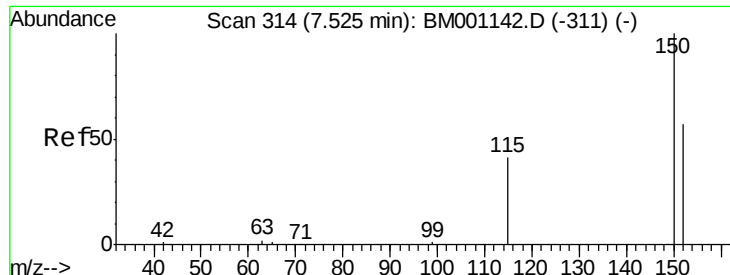
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

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Quant Time: May 04 17:35:54 2015
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QLast Update : Mon May 04 16:48:07 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.52 min Scan# 314

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

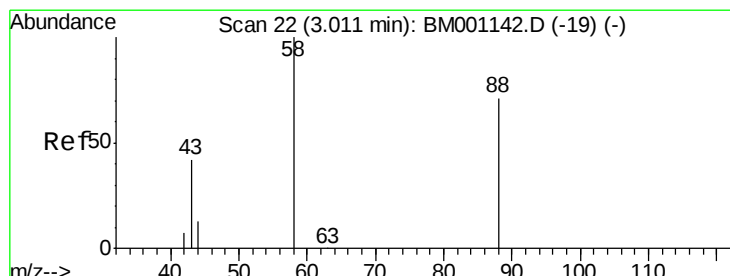
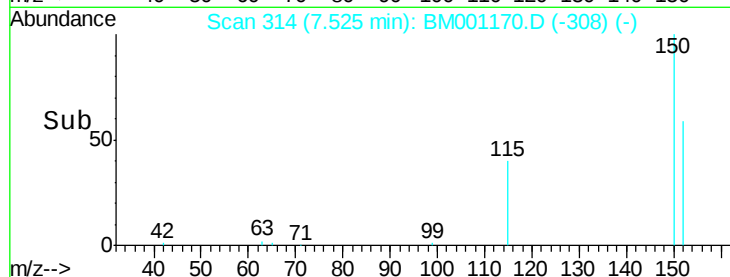
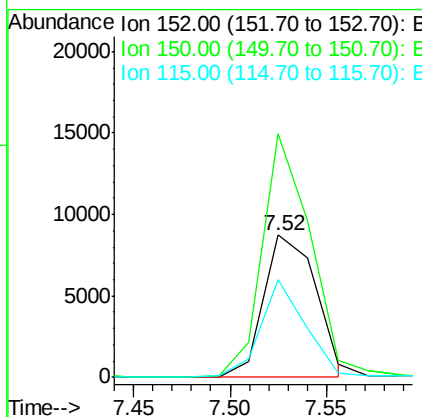
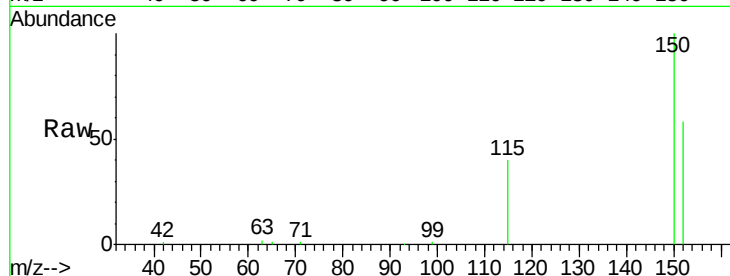
ClientSampleId :

SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
152	100		
150	171.4	140.1	210.1
115	69.0	57.8	86.6

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#2

1,4-Dioxane

Concen: 0.70 ng

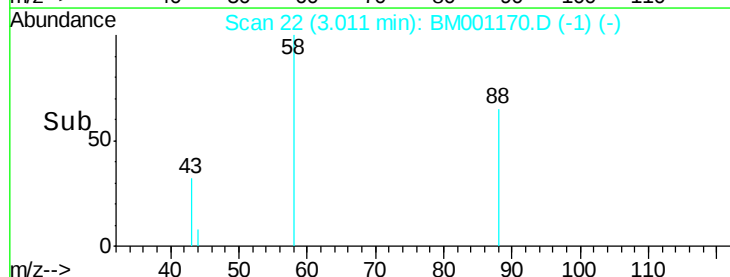
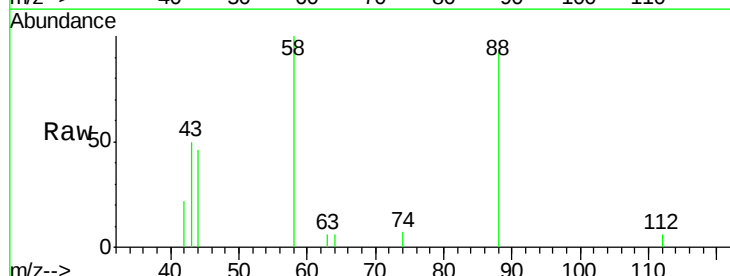
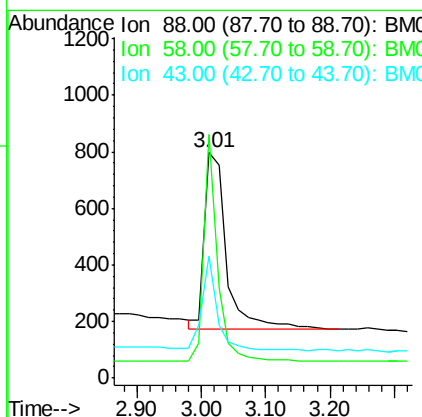
RT: 3.01 min Scan# 22

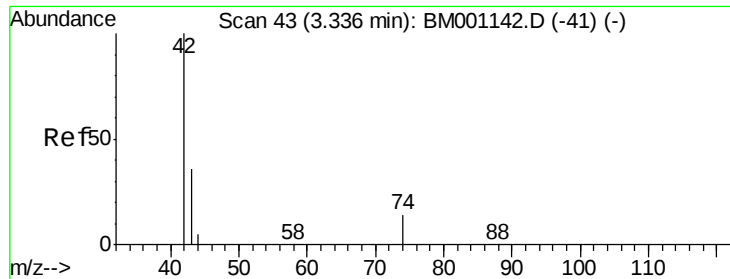
Delta R.T. 0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.3	48.2	72.2#
43	35.3	24.8	37.2





#3

n-Nitrosodimethylamine

Concen: 0.98 ng

RT: 3.34 min Scan# 43

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

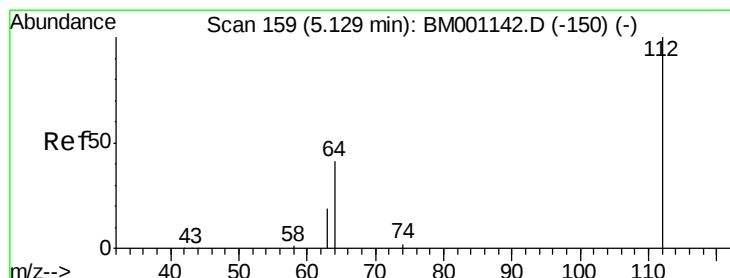
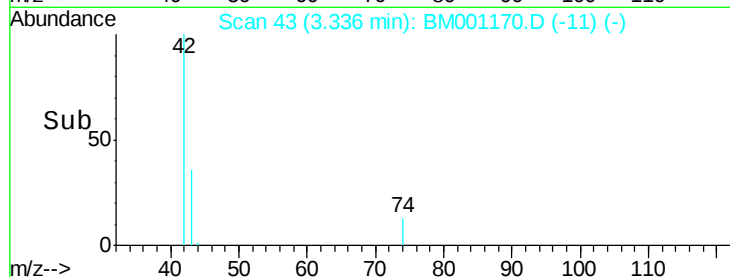
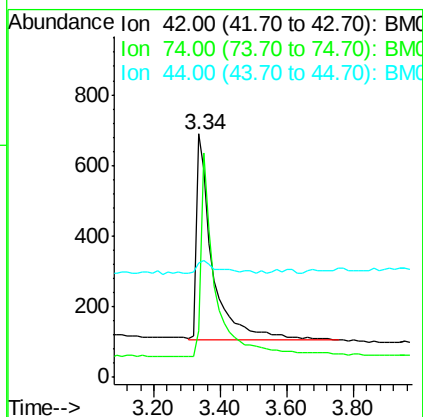
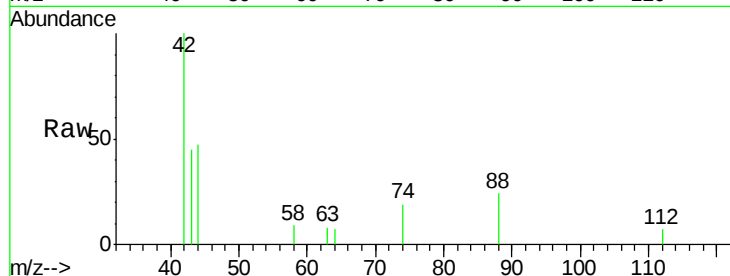
ClientSampleId :

SSTDCCC001EC

Tot Ion:	42	Resp:	1965
Ion	Ratio	Lower	Upper
42	100		
74	89.8	72.0	108.0
44	6.9	3.7	5.5#

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#4

2-Fluorophenol

Concen: 1.02 ng

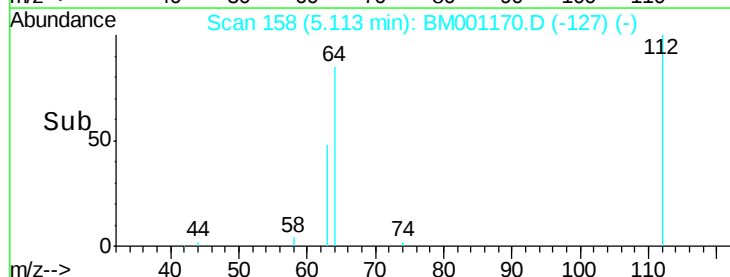
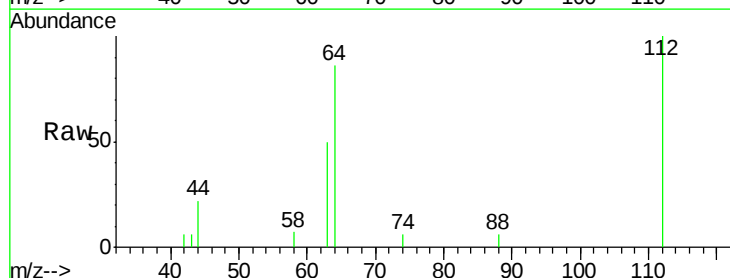
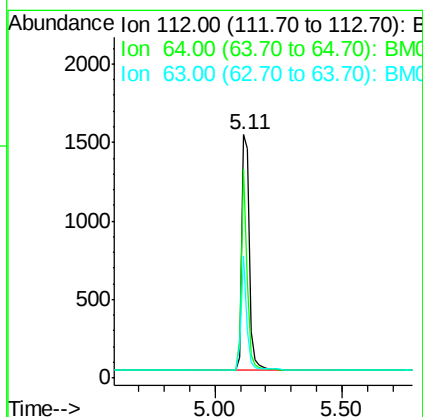
RT: 5.11 min Scan# 158

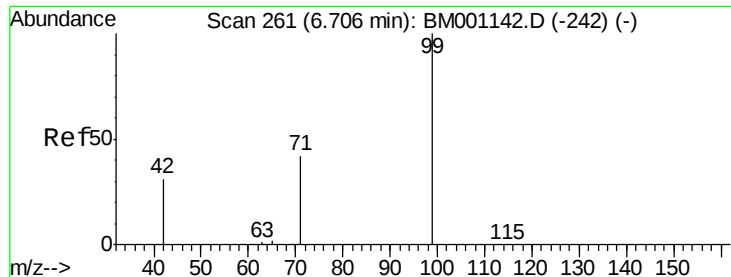
Delta R.T. -0.01 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	112	Resp:	3224
Ion	Ratio	Lower	Upper
112	100		
64	64.8	52.6	79.0
63	35.6	29.5	44.3





#5

Phenol-d6

Concen: 1.01 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

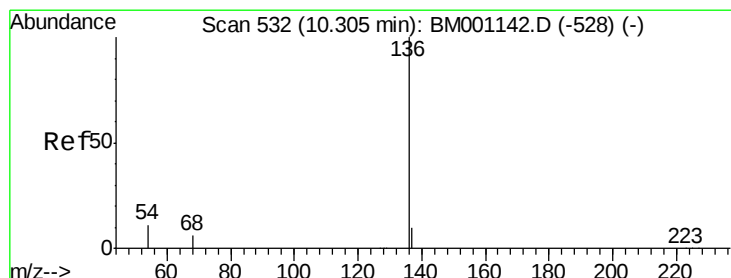
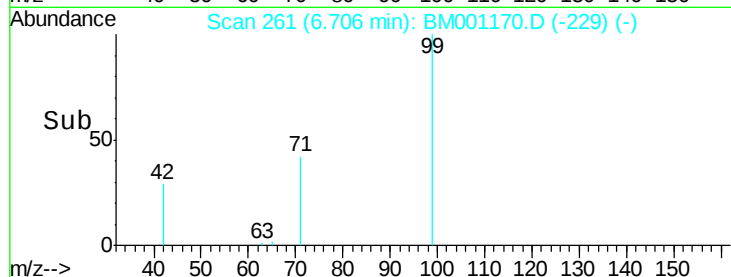
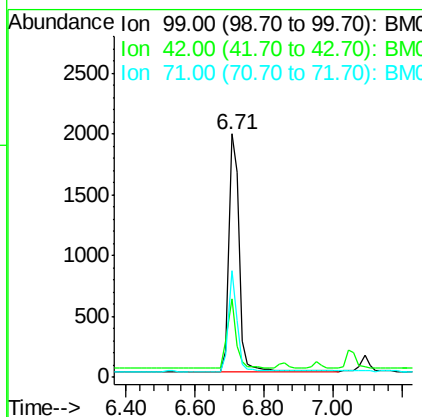
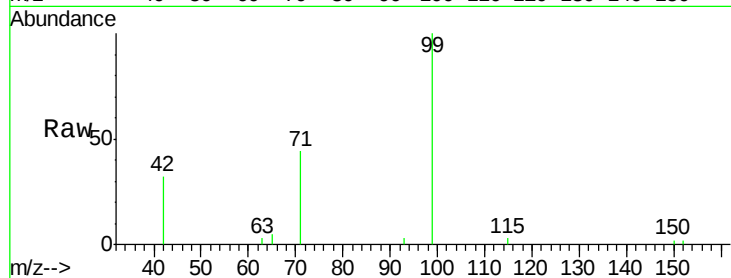
ClientSampleId :

SSTDCCC001EC

Tot Ion:	99	Resp:	3967
Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.9	31.3
71	35.5	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

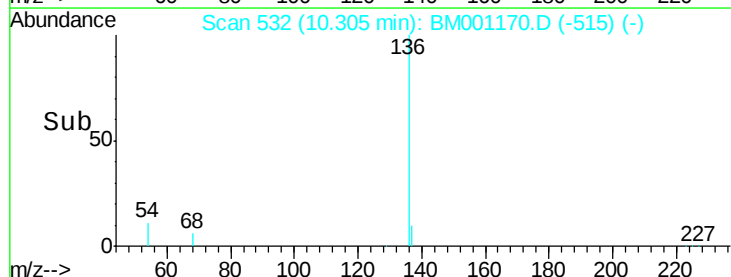
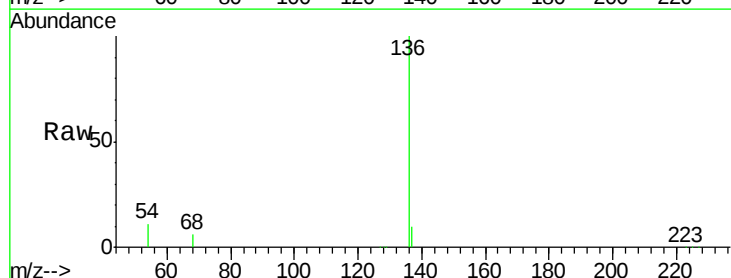
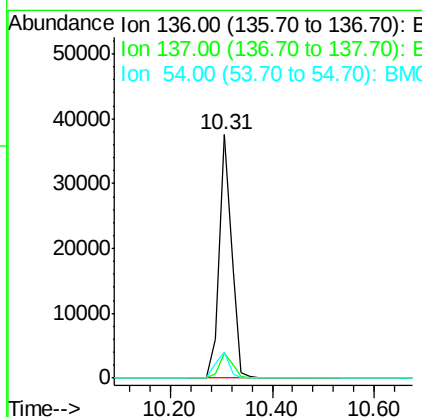
RT: 10.31 min Scan# 532

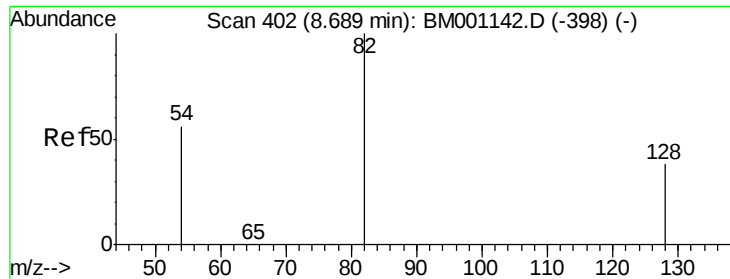
Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	136	Resp:	63385
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.2	12.4
54	10.7	9.0	13.4





#7

Nitrobenzene-d5

Concen: 0.99 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

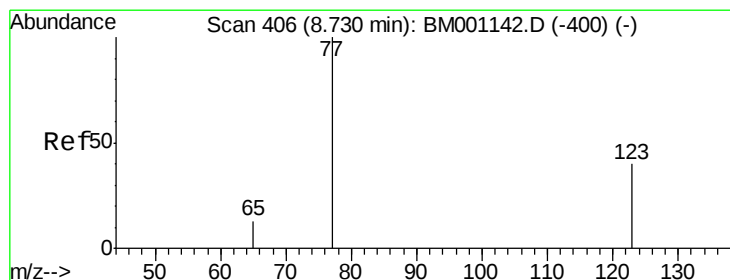
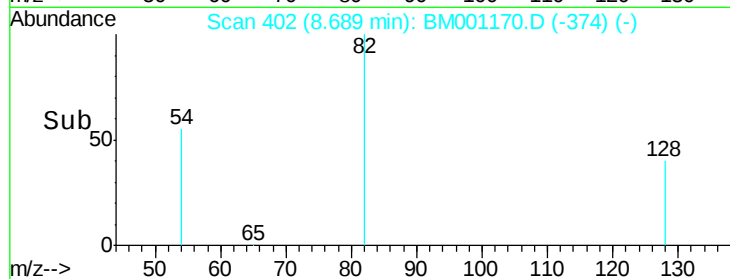
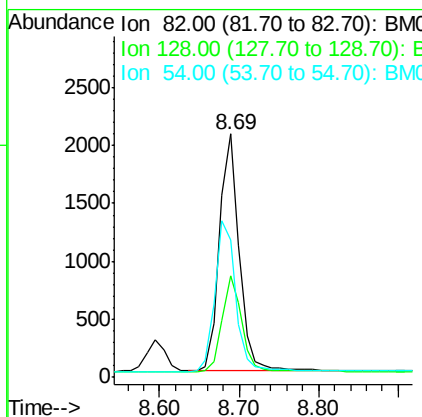
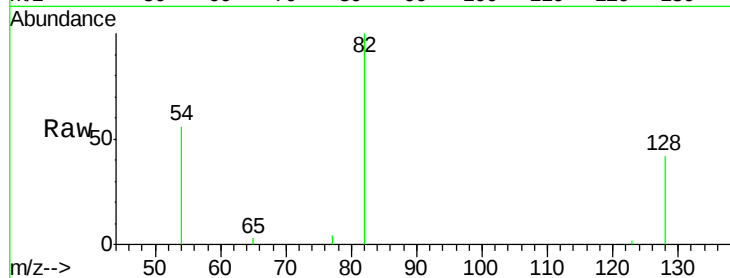
ClientSampleId :

SSTDCCC001EC

Tot Ion:	82	Resp:	3537
Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.9	47.9
54	56.3	46.2	69.2

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#8

Nitrobenzene

Concen: 0.93 ng

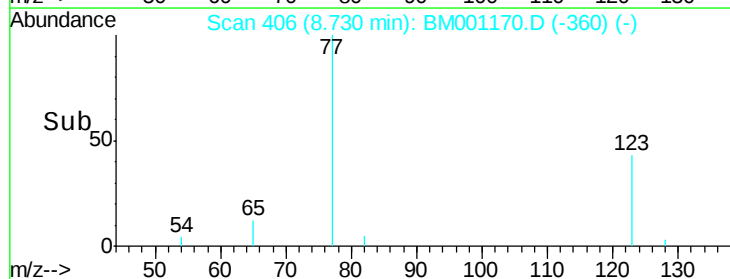
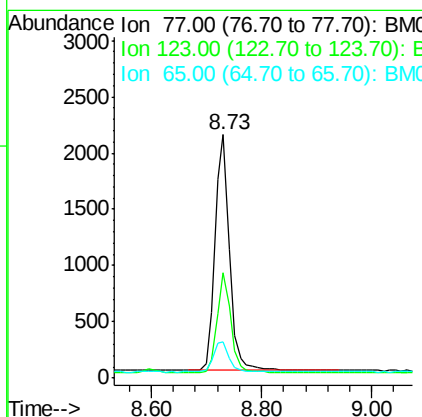
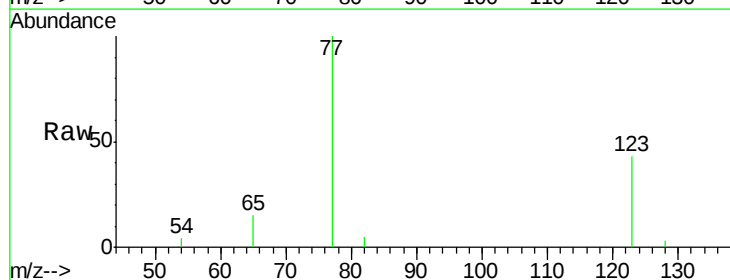
RT: 8.73 min Scan# 406

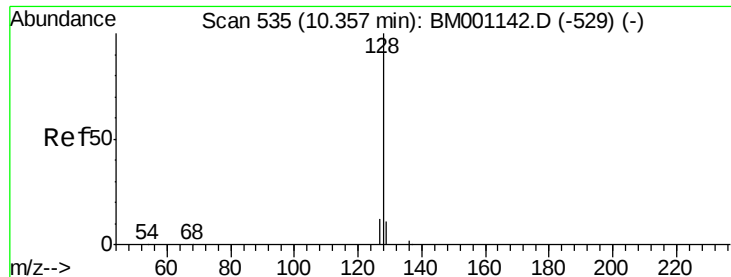
Delta R.T. 0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	77	Resp:	3774
Ion	Ratio	Lower	Upper
77	100		
123	41.1	31.0	46.6
65	14.1	10.6	15.8





#9

Naphthalene

Concen: 1.01 ng

RT: 10.36 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

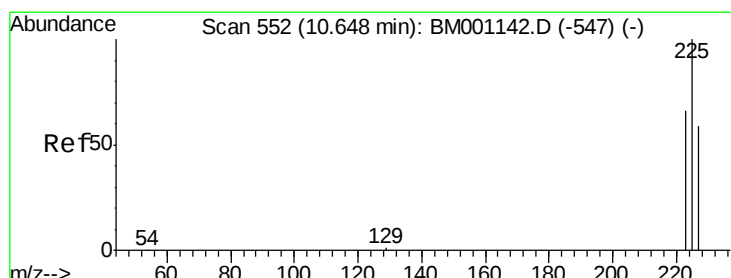
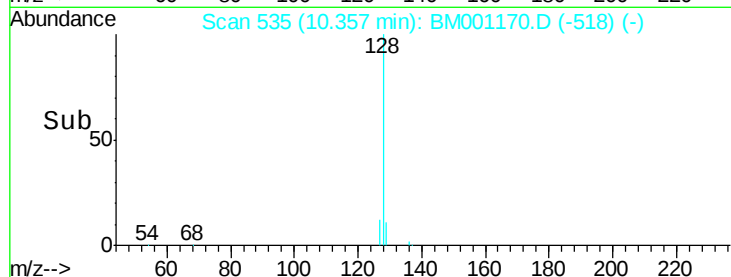
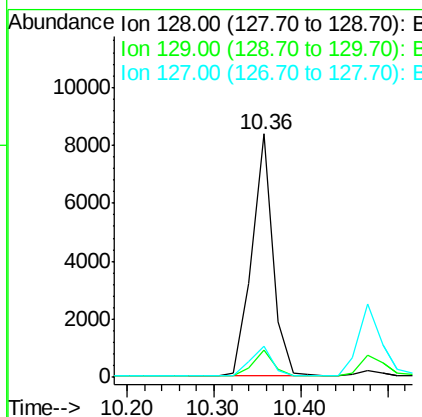
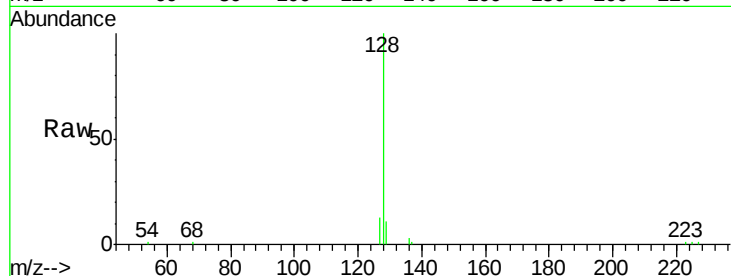
ClientSampleId :

SSTDCCC001EC

Tot Ion:	128	Resp:	14053
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.6
127	12.8	10.0	15.0

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#10

Hexachlorobutadiene

Concen: 1.02 ng

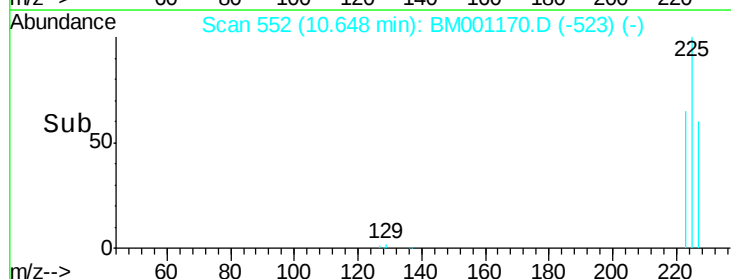
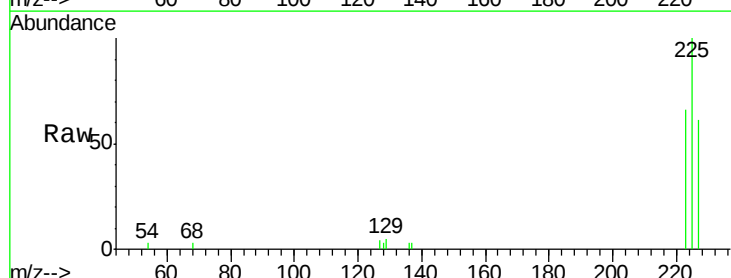
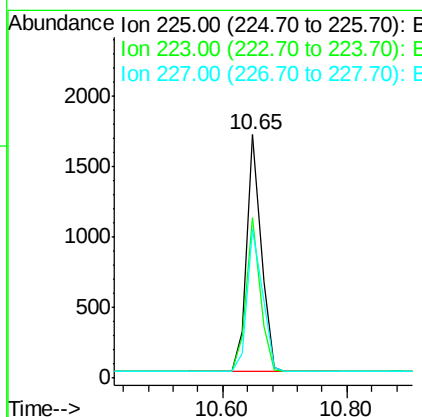
RT: 10.65 min Scan# 552

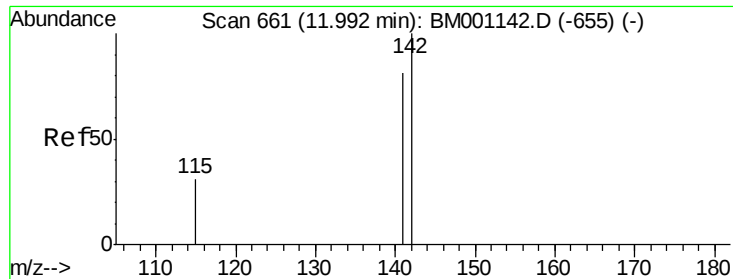
Delta R.T. 0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	225	Resp:	2733
Ion Ratio	Lower	Upper	
225	100		
223	63.1	50.8	76.2
227	63.0	51.0	76.4





#11

2-Methylnaphthalene

Concen: 1.04 ng

RT: 11.98 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

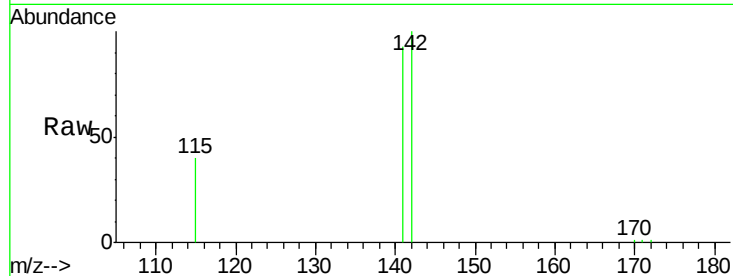
ClientSampleId :

SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.8	65.1	97.7
115	40.0	25.1	37.7

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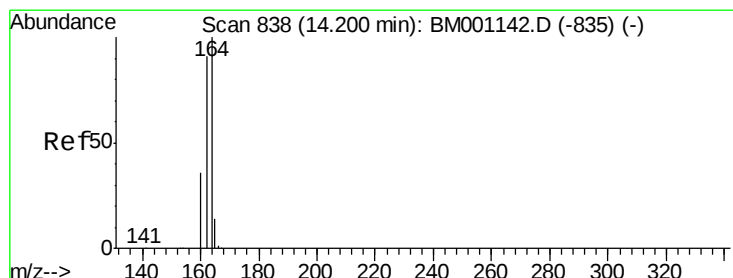
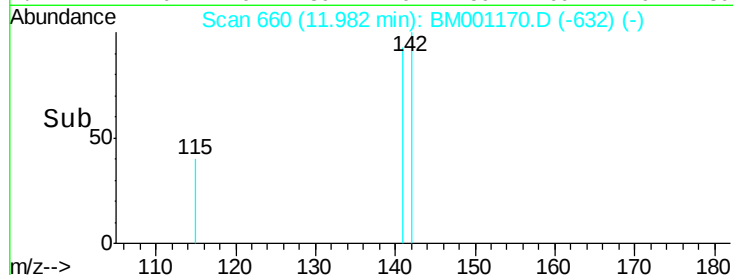
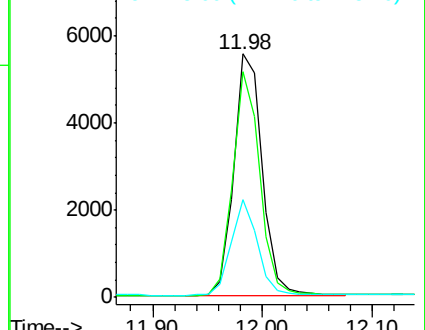


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

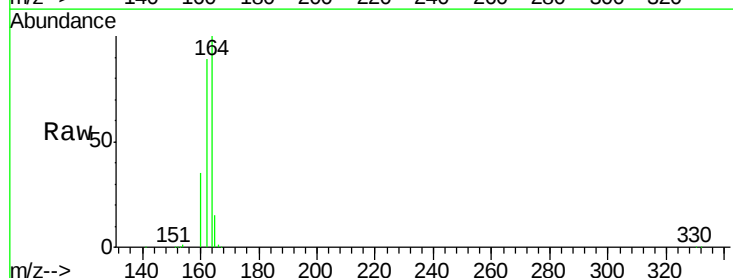
RT: 14.20 min Scan# 838

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.3	72.7	109.1
160	34.9	28.7	43.1

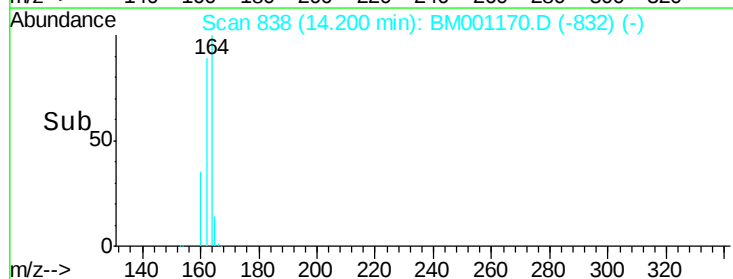
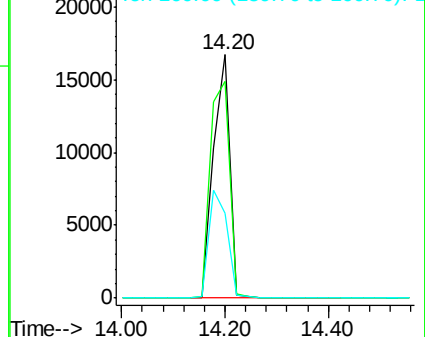


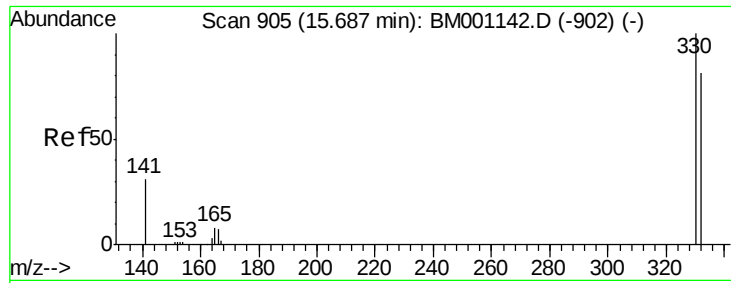
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





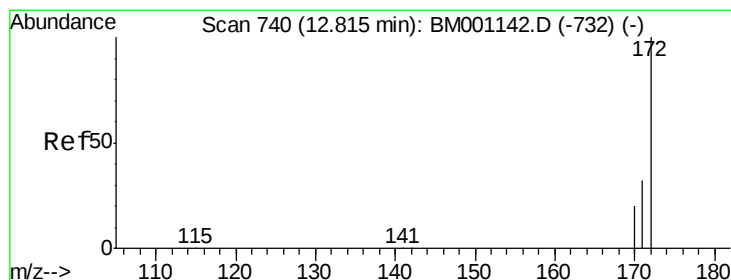
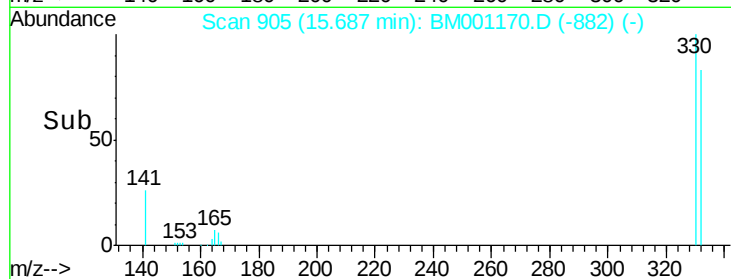
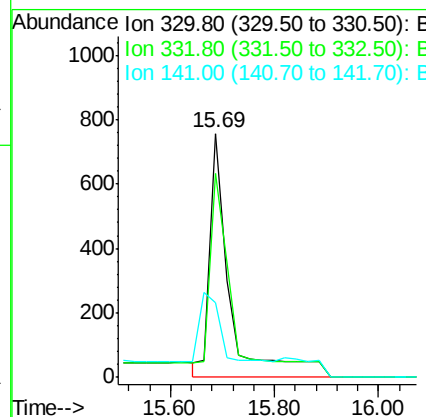
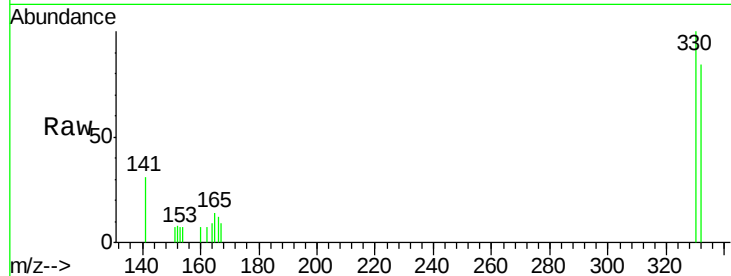
#13
 2,4,6-Tribromophenol
 Concen: 1.28 ng
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001170.D
 Acq: 02 May 2015 15:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	74.5	111.7
141	0.0	21.0	31.4#

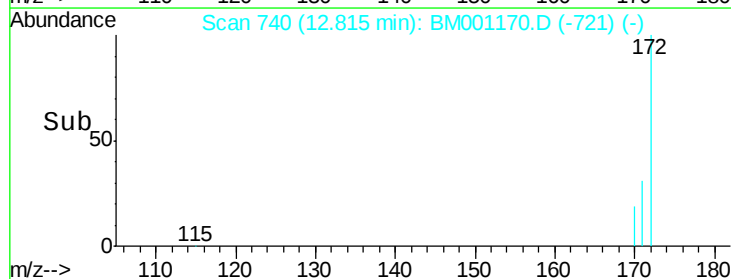
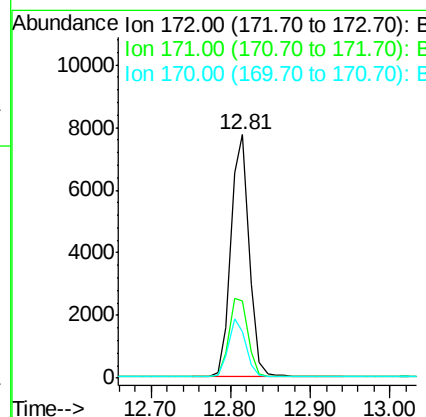
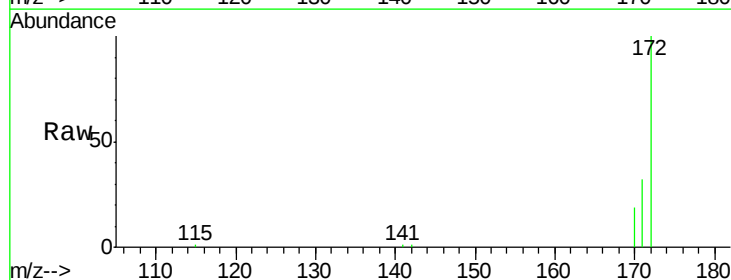
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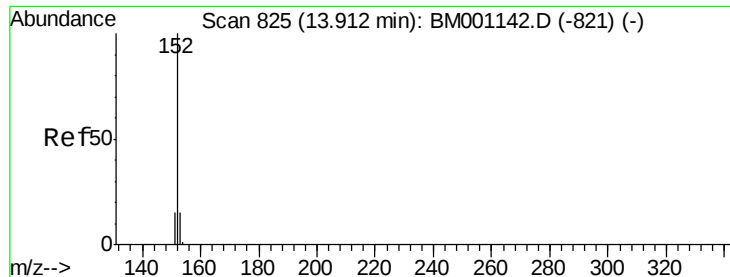
apatel
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#14
 2-Fluorobiphenyl
 Concen: 1.02 ng
 RT: 12.81 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BM001170.D
 Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.6	25.8	38.6
170	19.3	16.1	24.1





#15

Acenaphthylene

Concen: 1.03 ng

RT: 13.89 min Scan# 824

Delta R.T. -0.02 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

ClientSampleId :

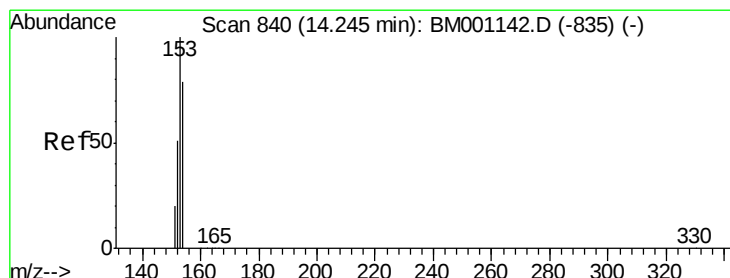
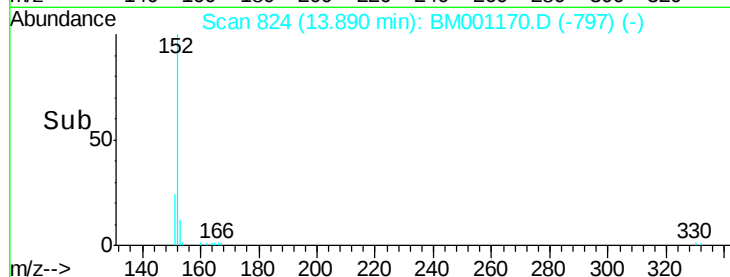
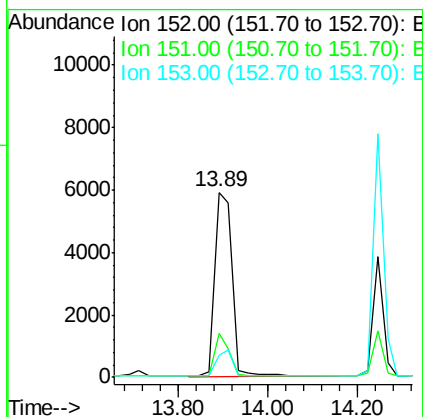
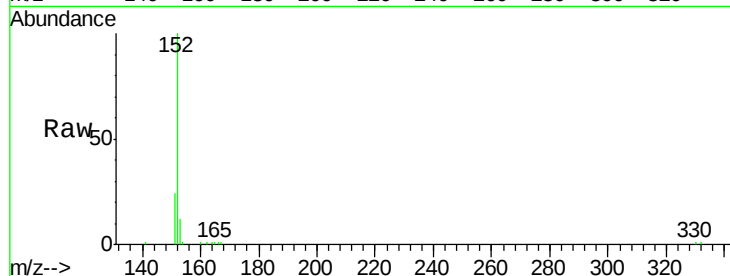
SSTDCCC001EC

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Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	0.0	0.0#
153	0.0	10.3	15.5#



#16

Acenaphthene

Concen: 1.02 ng

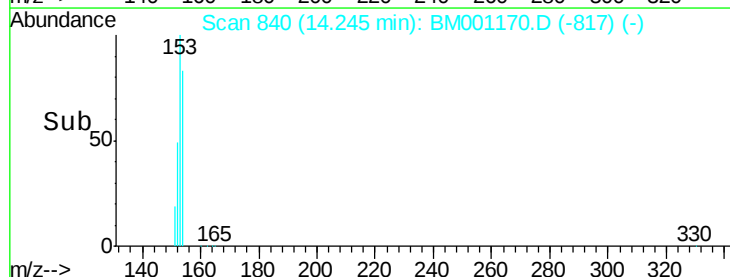
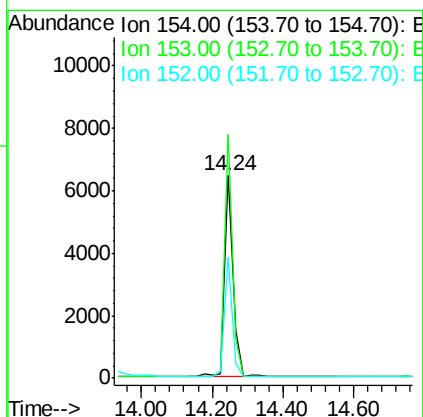
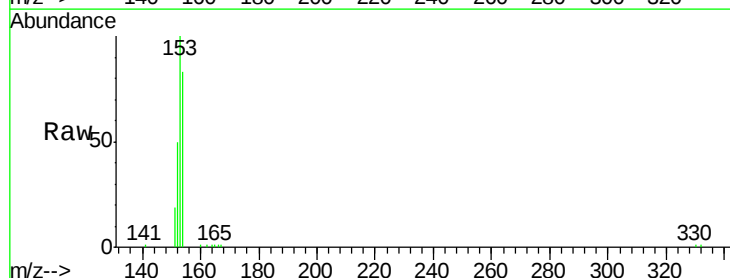
RT: 14.24 min Scan# 840

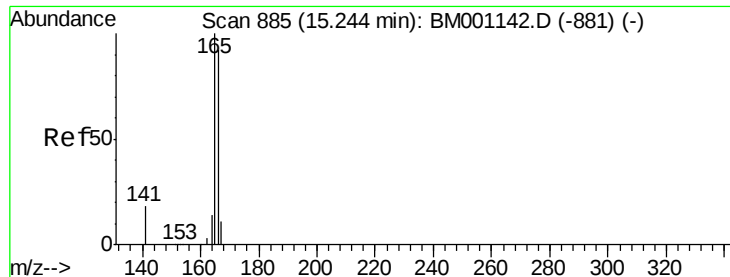
Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.3	90.6	136.0
152	53.4	45.0	67.4





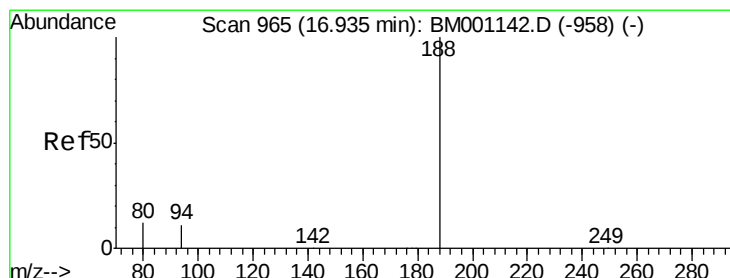
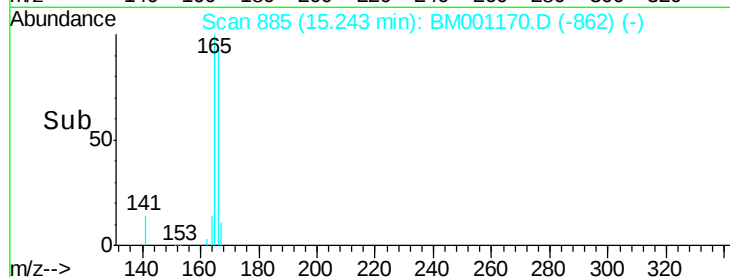
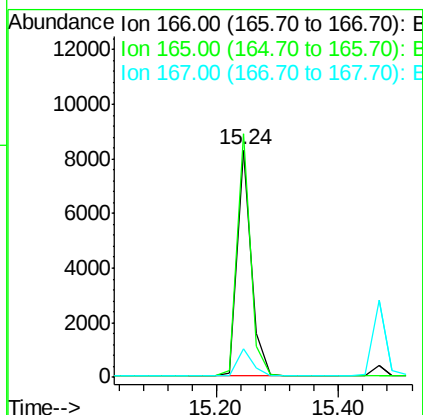
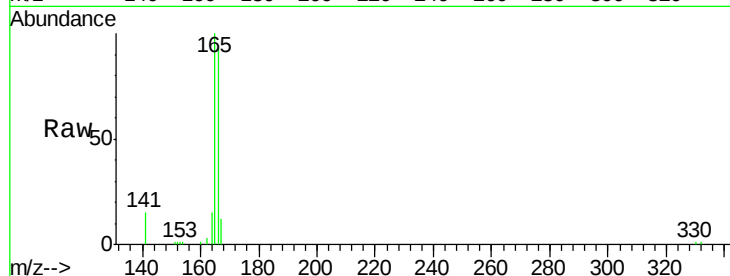
#17
Fluorene
 Concen: 1.06 ng
 RT: 15.24 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BM001170.D
 Acq: 02 May 2015 15:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.0	121.6
167	13.0	10.4	15.6

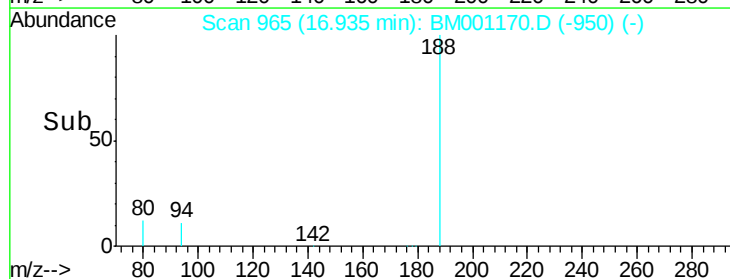
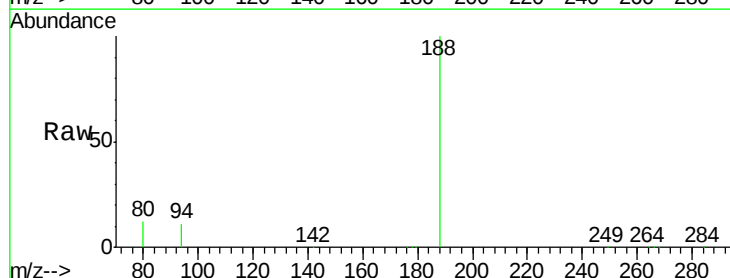
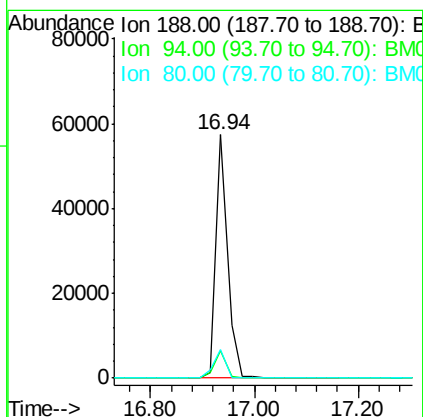
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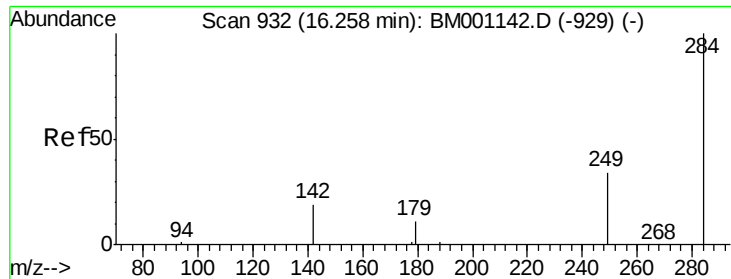
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BM001170.D
 Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.3	13.9
80	11.6	9.8	14.6





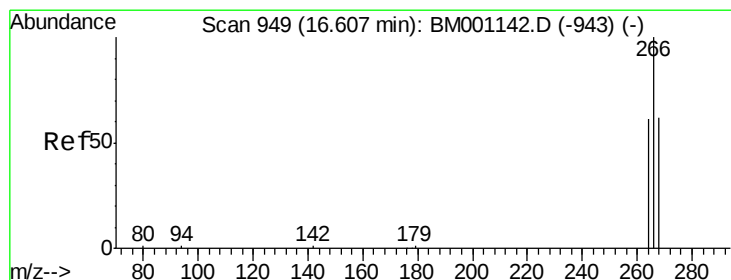
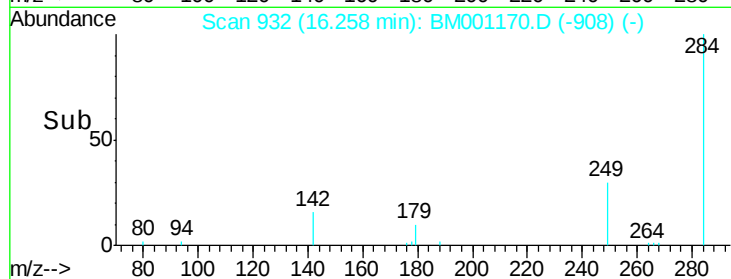
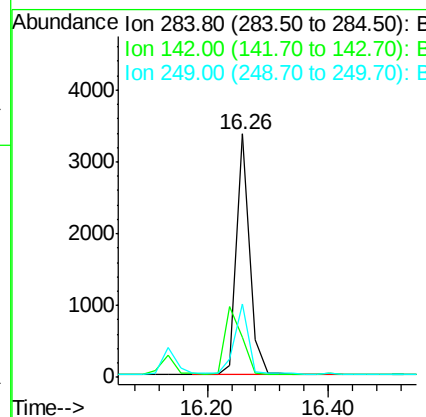
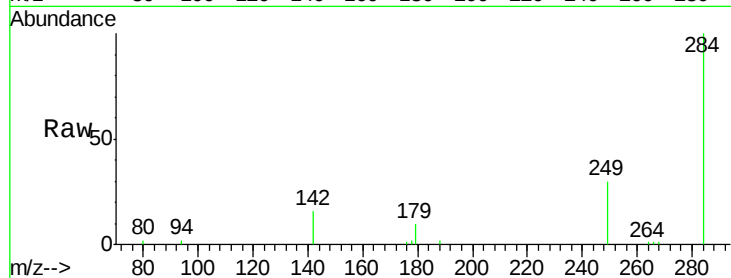
#19
Hexachlorobenzene
Concen: 1.02 ng
RT: 16.26 min Scan# 932
Delta R.T. -0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	32.6	26.5	39.7

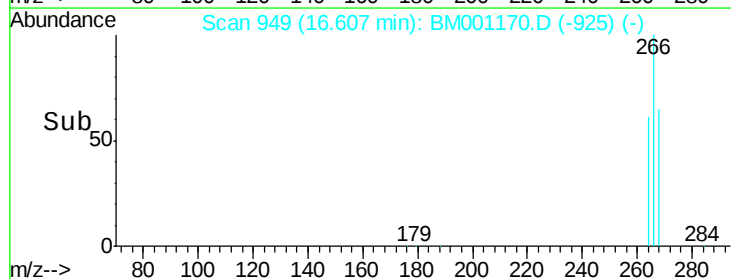
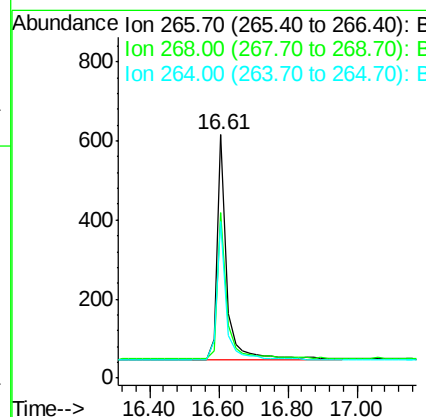
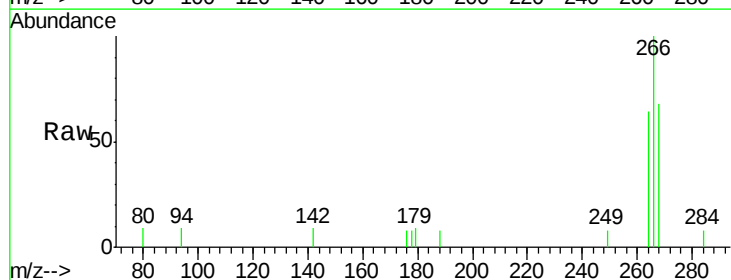
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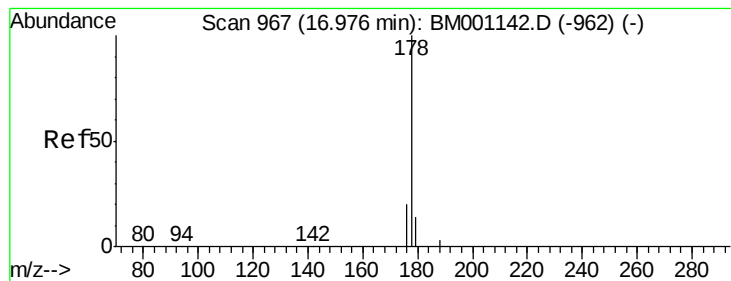
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#20
Pentachlorophenol
Concen: 0.88 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.0	52.6	79.0
264	64.3	51.0	76.4





#21

Phenanthrene

Concen: 1.04 ng

RT: 16.98 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

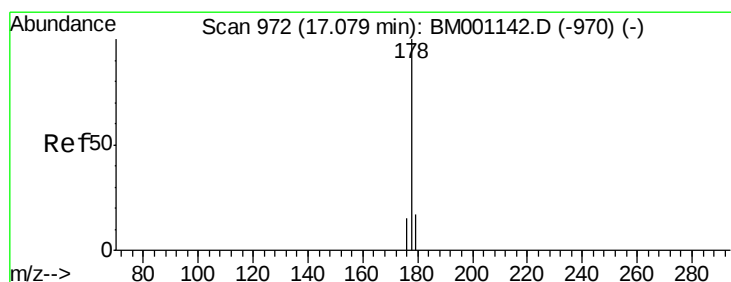
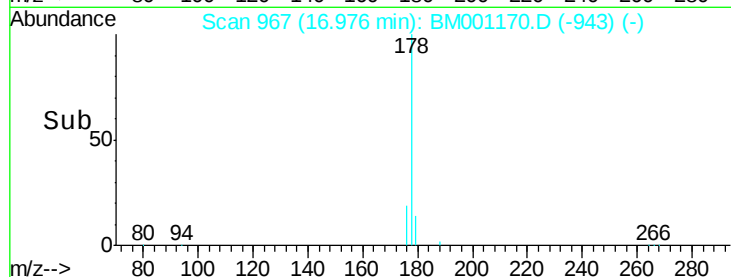
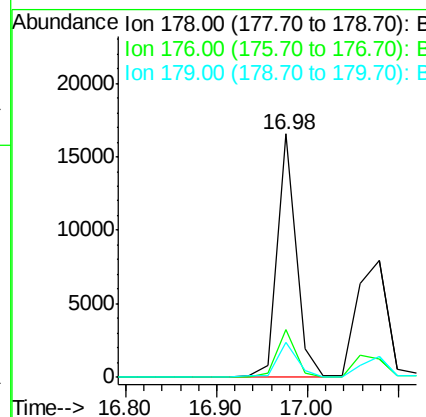
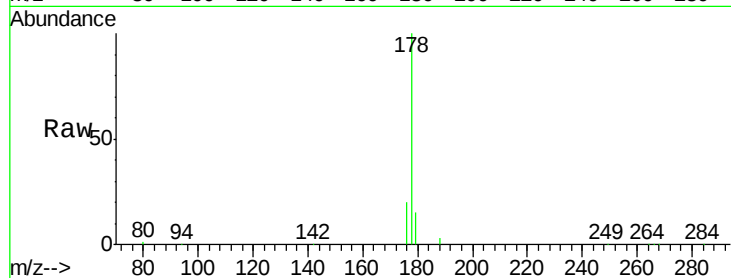
ClientSampleId :

SSTDCCC001EC

Tot Ion:178	Resp:	23800
Ion Ratio	Lower	Upper
178 100		
176 19.0	15.5	23.3
179 15.0	12.0	18.0

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#22

Anthracene

Concen: 0.98 ng m

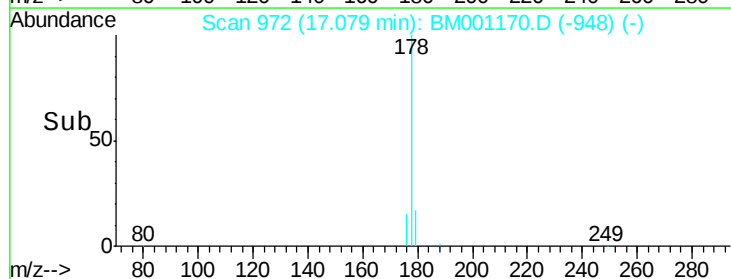
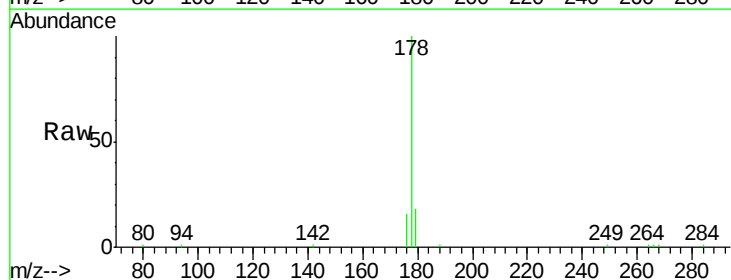
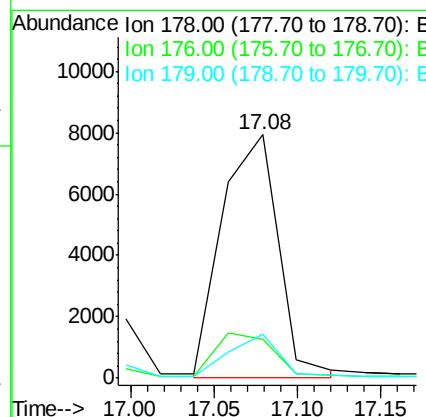
RT: 17.08 min Scan# 972

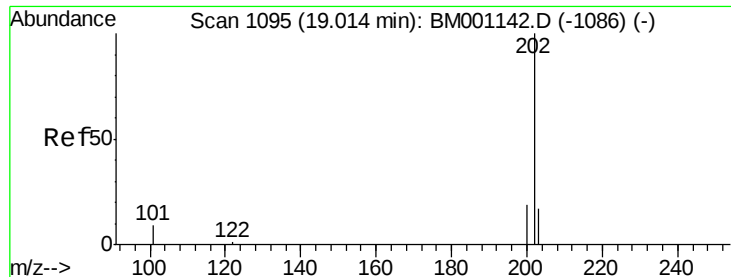
Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:178	Resp:	18655
Ion Ratio	Lower	Upper
178 100		
176 24.3	14.3	21.5#
179 19.2	12.2	18.2#





#23

Fluoranthene

Concen: 1.01 ng

RT: 19.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

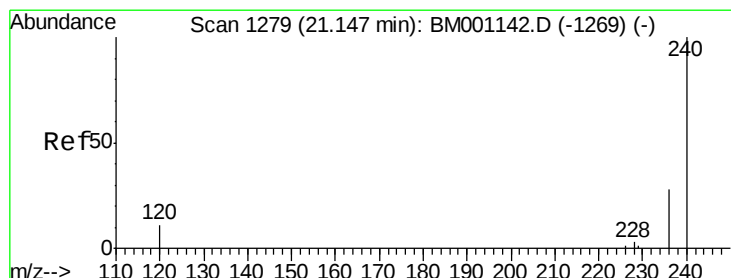
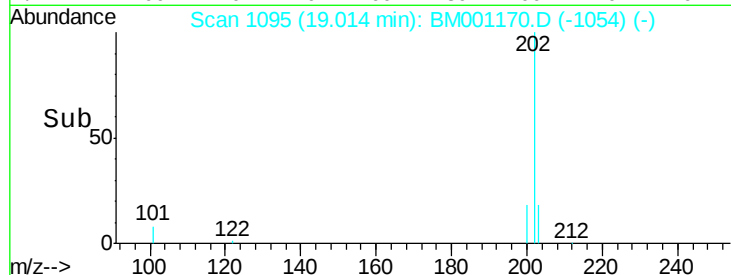
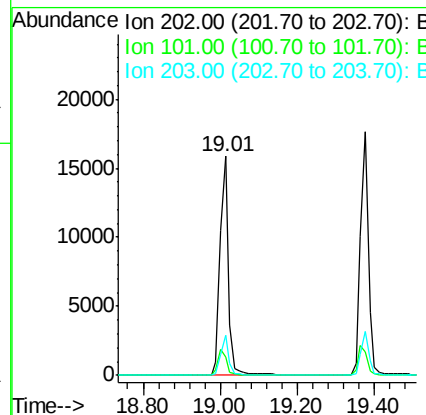
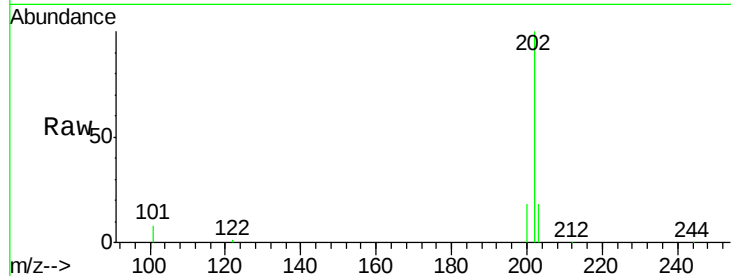
ClientSampleId :

SSTDCCC001EC

Tot Ion:	202	Resp:	23337
Ion Ratio	Lower	Upper	
202	100		
101	11.6	9.3	13.9
203	17.1	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

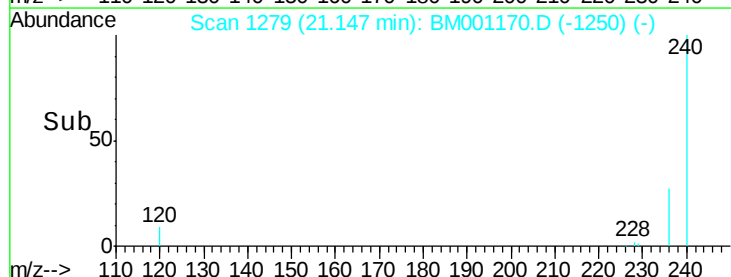
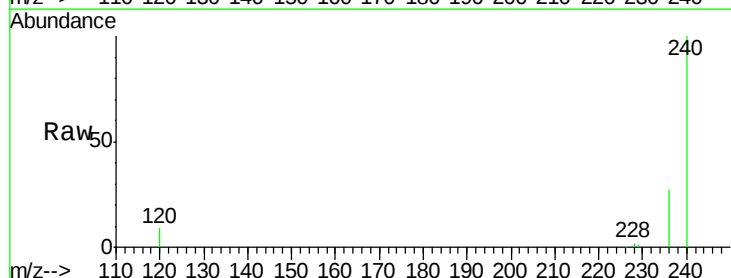
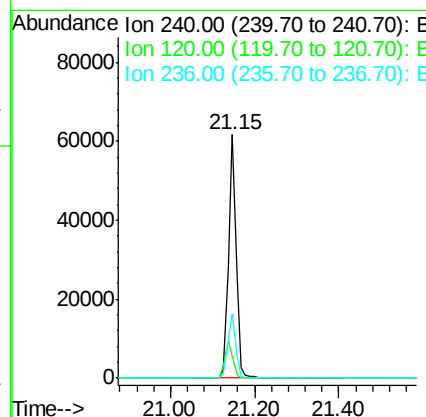
RT: 21.15 min Scan# 1279

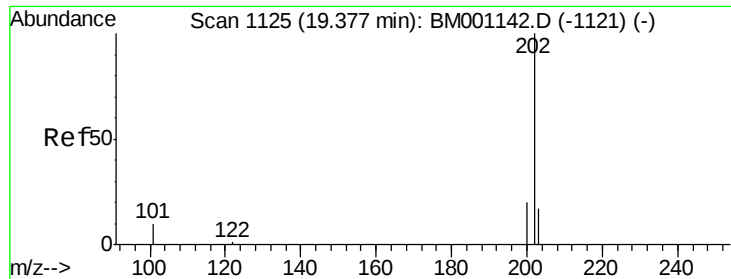
Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	240	Resp:	76372
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.2	13.8#
236	26.6	22.4	33.6





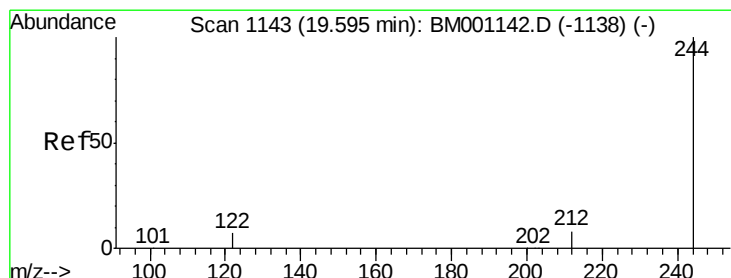
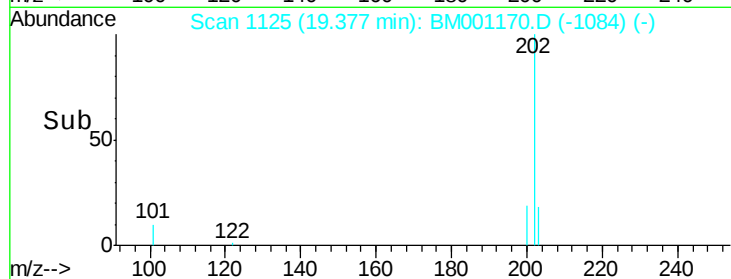
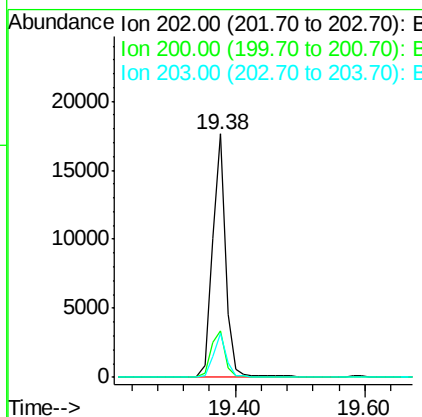
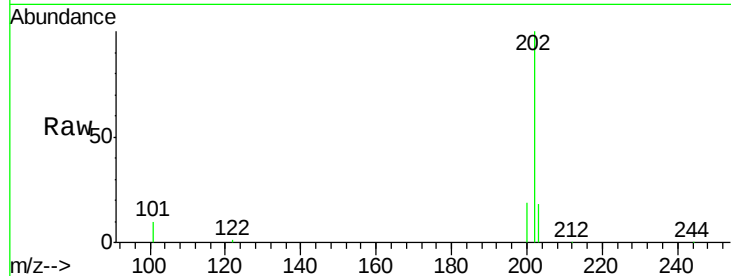
#25
Pvrene
Concen: 1.03 ng
RT: 19.38 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	17.2	13.8	20.6

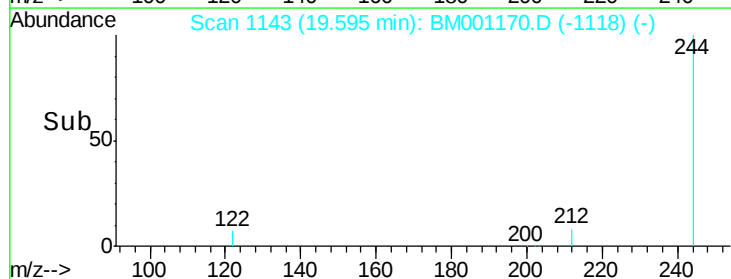
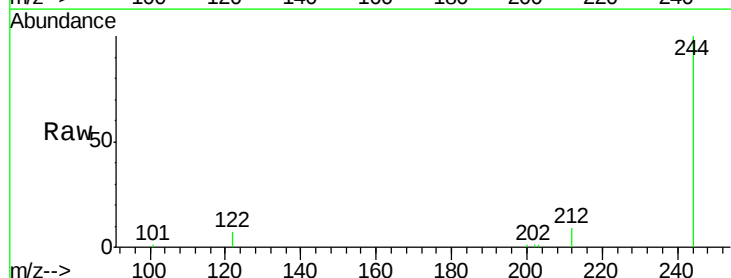
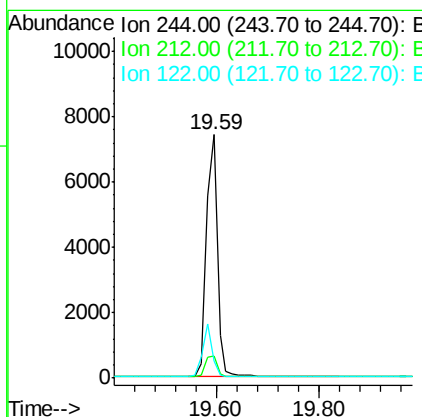
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#26
Terphenyl-d14
Concen: 1.04 ng
RT: 19.59 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.1	10.7
122	7.2	6.2	9.4





#27

Benzo(a)anthracene

Concen: 1.00 ng

RT: 21.13 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Instrument :

BNA_M

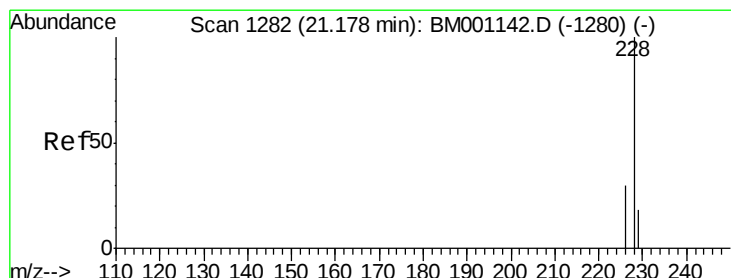
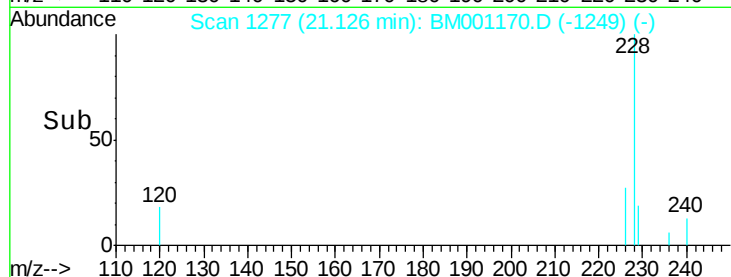
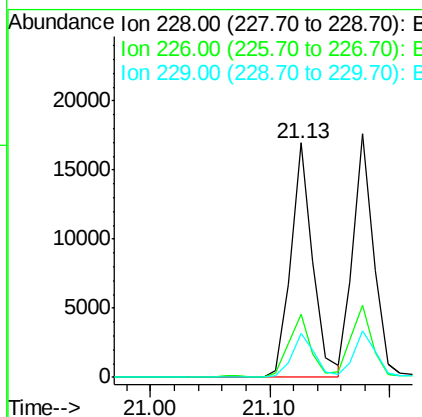
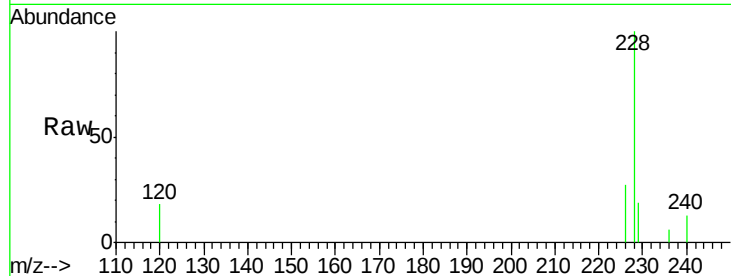
ClientSampleId :

SSTDCCC001EC

Tot Ion:	228	Resp:	21561
Ion Ratio		Lower	Upper
228	100		
226	27.1	22.8	34.2
229	18.8	14.4	21.6

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#28

Chrysene

Concen: 1.01 ng

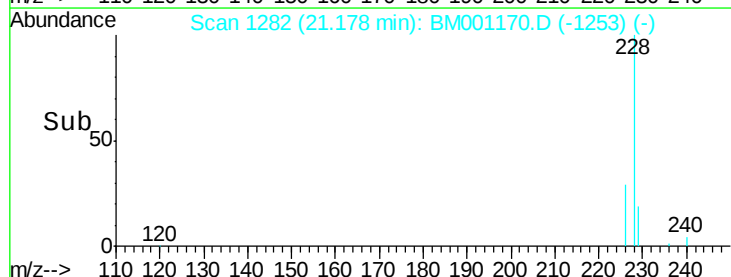
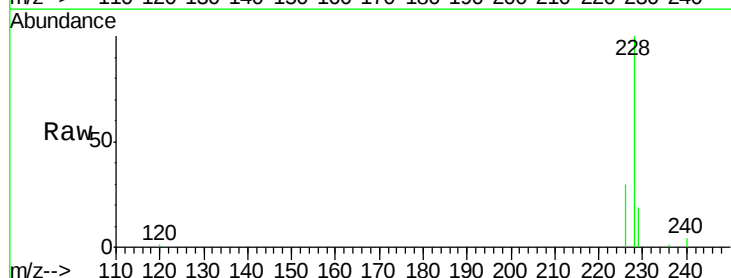
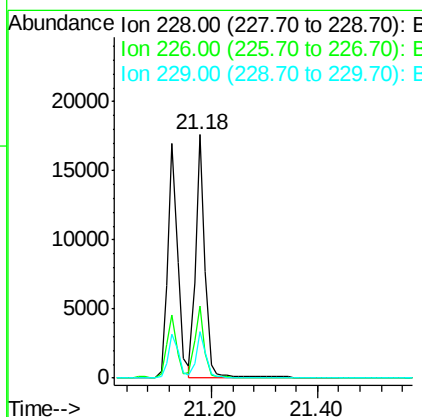
RT: 21.18 min Scan# 1282

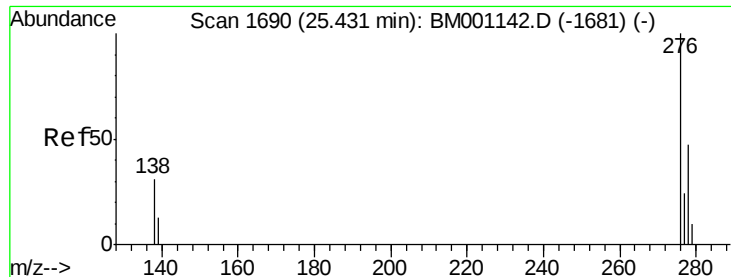
Delta R.T. -0.00 min

Lab File: BM001170.D

Acq: 02 May 2015 15:50

Tgt Ion:	228	Resp:	21268
Ion Ratio		Lower	Upper
228	100		
226	29.5	24.4	36.6
229	19.0	14.3	21.5





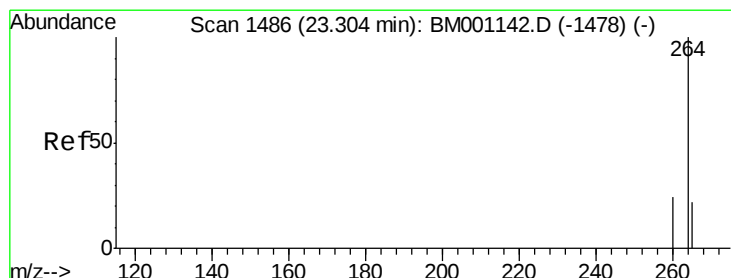
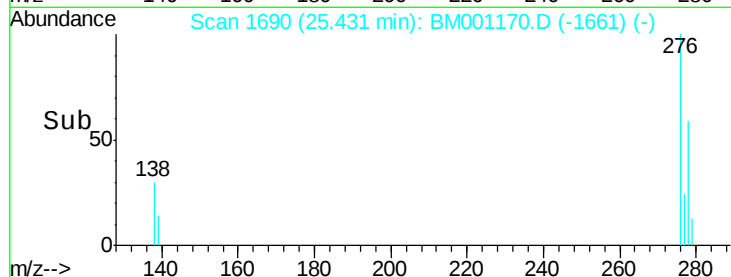
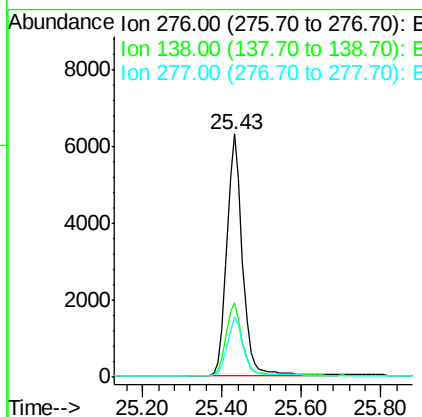
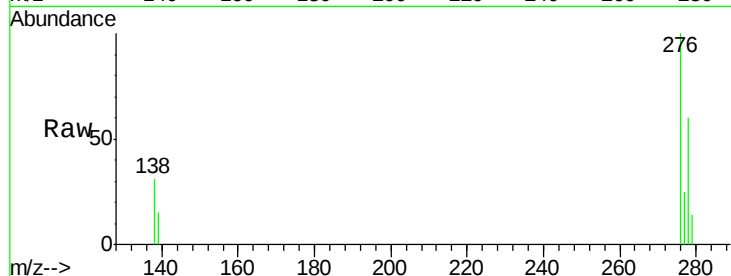
#29
Indeno(1,2,3-cd)pyrene
Concen: 0.89 ng
RT: 25.43 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	24.2	36.4
277	24.6	19.8	29.6

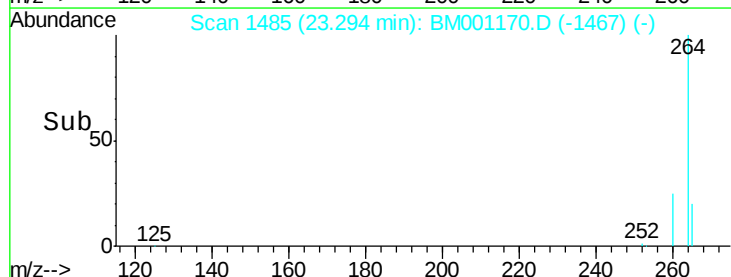
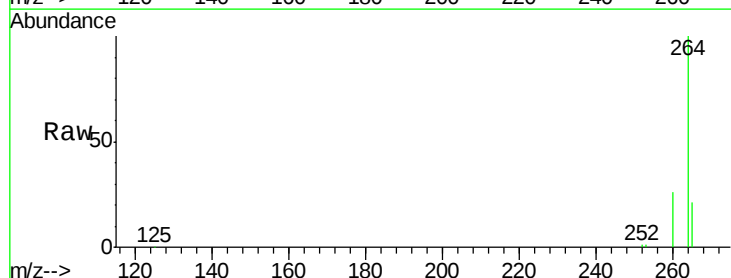
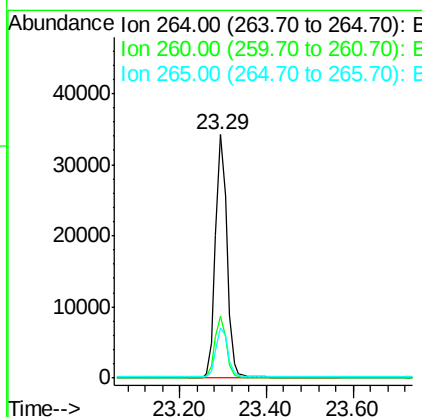
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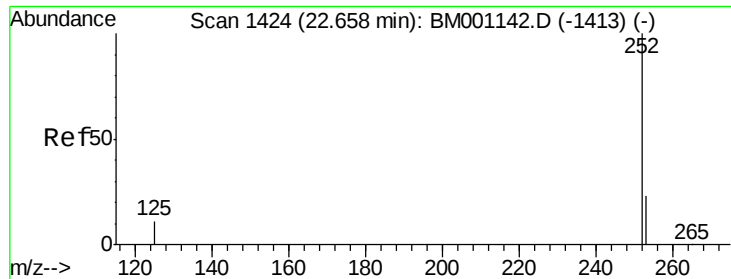
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#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.9	28.3
265	20.8	18.1	27.1





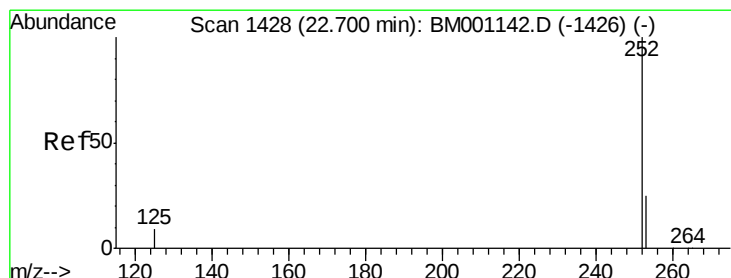
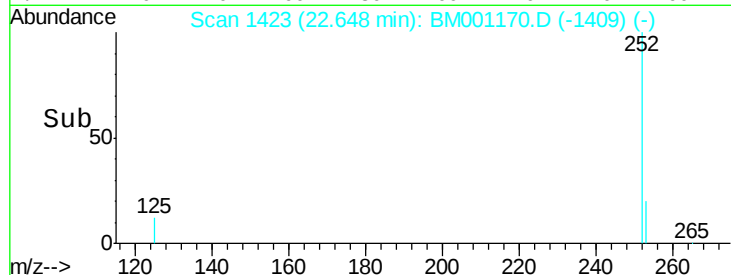
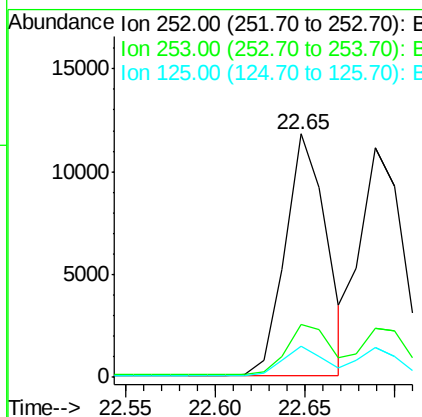
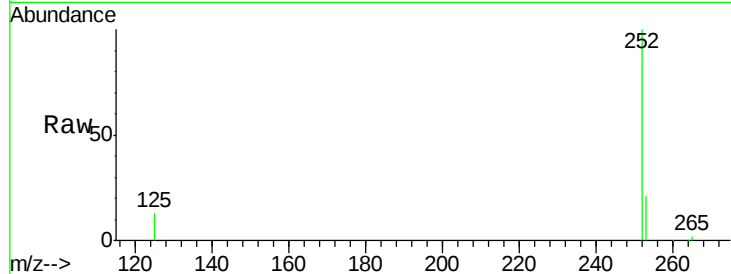
#31
Benzo(b)fluoranthene
Concen: 1.00 ng
RT: 22.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.0	28.4
125	12.7	9.1	13.7

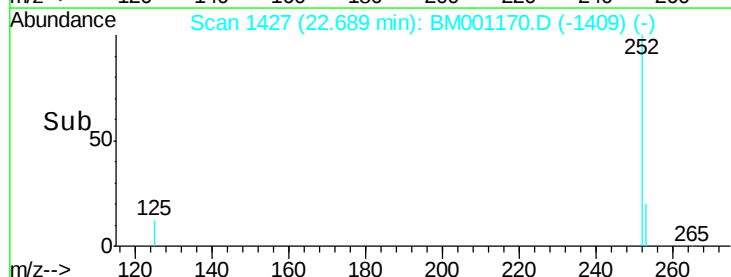
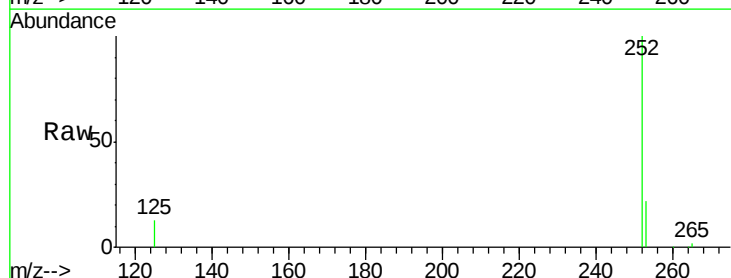
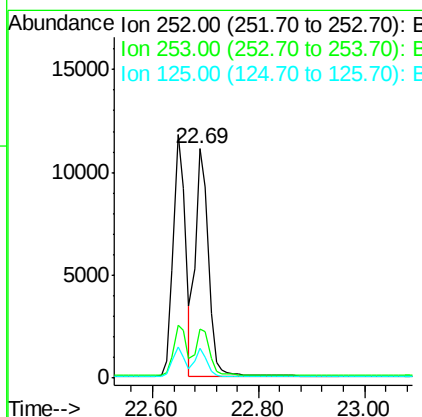
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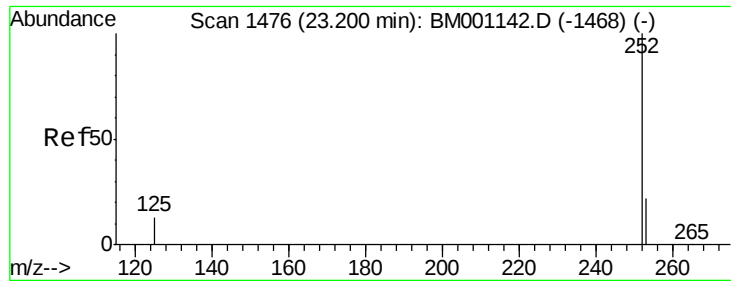
apatel
5/5/2015 8:04:44 AM



#32
Benzo(k)fluoranthene
Concen: 1.07 ng
RT: 22.69 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.1	28.7
125	12.9	9.3	13.9





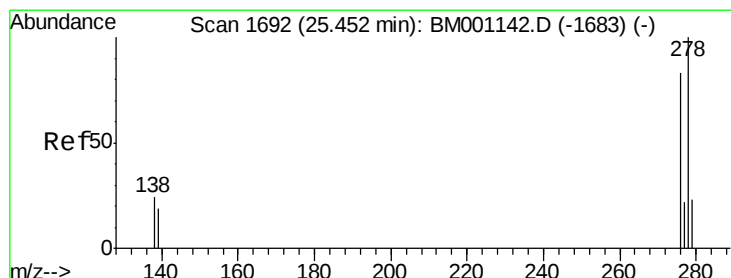
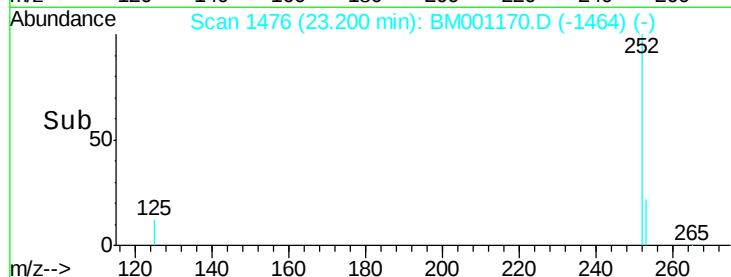
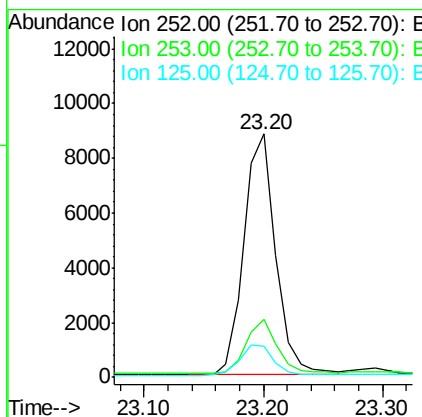
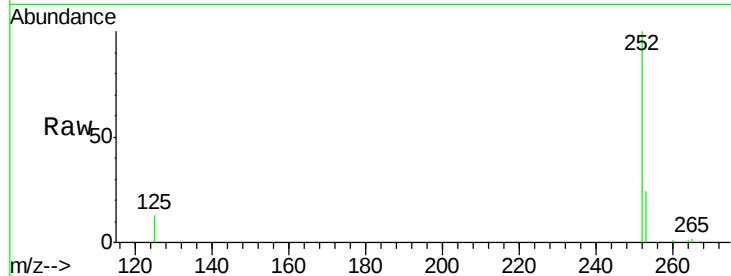
#33
Benzo(a)pyrene
Concen: 1.02 ng
RT: 23.20 min Scan# 1476
Delta R.T. -0.00 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.0	10.6	16.0

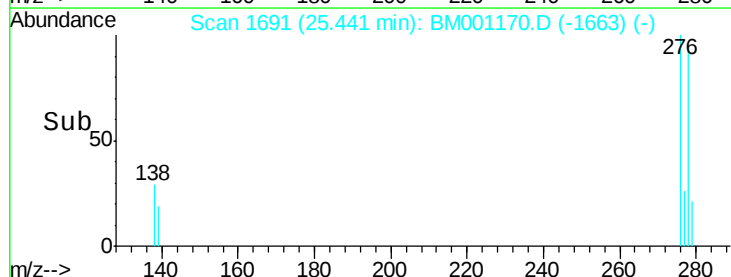
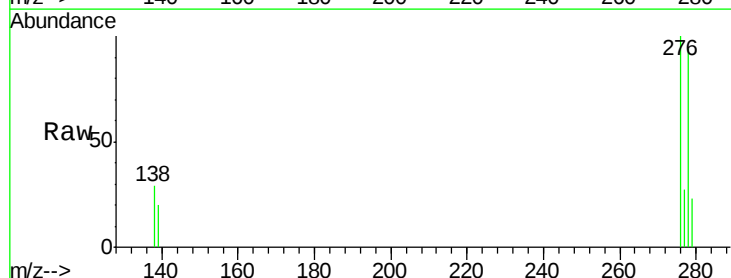
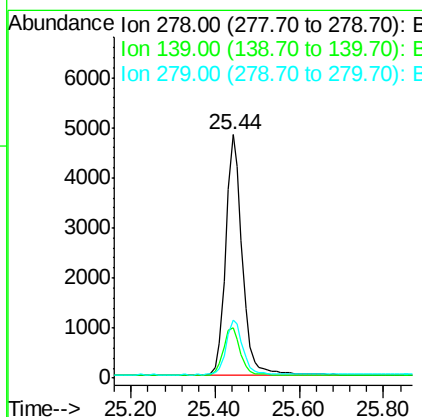
Manual Integrations
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5/5/2015 8:04:44 AM



#34
Dibenzo(a,h)anthracene
Concen: 0.95 ng
RT: 25.44 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BM001170.D
Acq: 02 May 2015 15:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.5	23.3
279	23.9	19.7	29.5





#35
 Benzo(a,h,i)perylene
 Concen: 0.94 ng
 RT: 26.09 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: BM001170.D
 Acq: 02 May 2015 15:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion:	276	Resp:	13889
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.4
138	25.3	21.3	31.9

Manual Integrations
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 5/5/2015 8:04:44 AM

