

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001065.D
 Acq On : 18 Apr 2015 18:11
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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Quant Time: Apr 20 08:21:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	19481	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	70656	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	35815	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	78120	5.00	ng	0.00
19) Chrysene-d12	21.19	240	66593	5.00	ng	0.00
25) Perylene-d12	23.36	264	61635	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	4158	1.13	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	11554	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	9070	1.03	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1994	0.91	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1927	0.94	ng	90
6) Naphthalene	10.41	128	16663	0.99	ng	100
7) 2-Methylnaphthalene	12.04	142	10701	0.98	ng	99
10) Acenaphthylene	13.95	152	16876	1.07	ng	99
11) Acenaphthene	14.29	154	10752	0.97	ng	99
12) Fluorene	15.30	166	12788	1.00	ng	100
14) Hexachlorobenzene	16.31	284	4262	0.99	ng	# 100
15) Pentachlorophenol	16.64	266	1006	0.91	ng	98
16) Phenanthrene	17.03	178	20463	0.99	ng	100
17) Anthracene	17.11	178	19448	1.02	ng	99
18) Fluoranthene	19.05	202	22464	1.04	ng	100
20) Pyrene	19.42	202	23589	1.07	ng	100
22) Benzo(a)anthracene	21.17	228	21349	1.11	ng	96
23) Chrysene	21.22	228	19077	0.94	ng	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	21898	1.06	ng	100
26) Benzo(b)fluoranthene	22.70	252	19247m	0.97	ng	
27) Benzo(k)fluoranthene	22.75	252	19992m	1.05	ng	
28) Benzo(a)pyrene	23.26	252	18048	1.07	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	16946	1.01	ng	98
30) Benzo(g,h,i)perylene	26.18	276	18007	0.99	ng	98

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

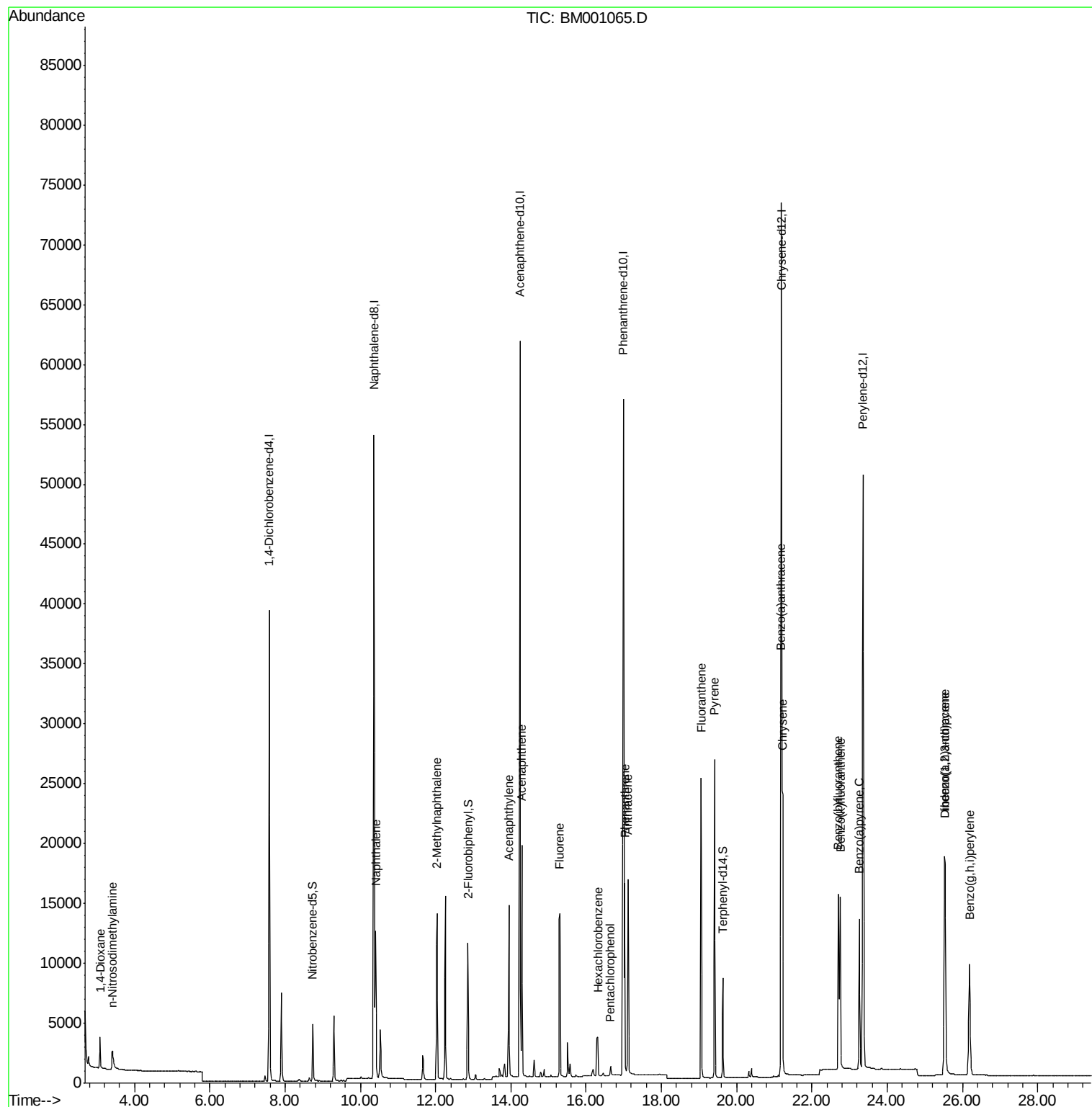
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

ClientSampleId :

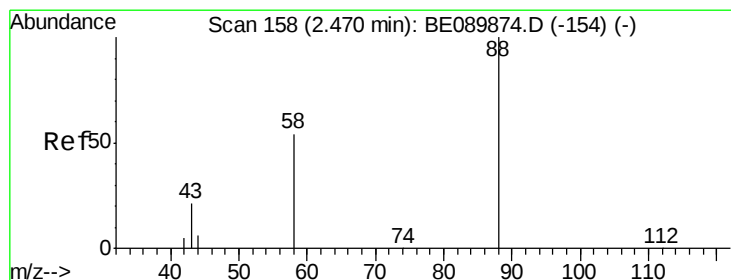
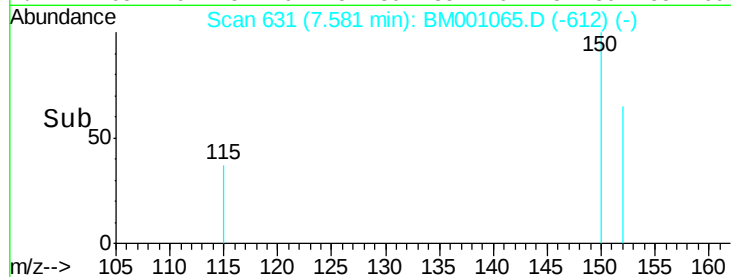
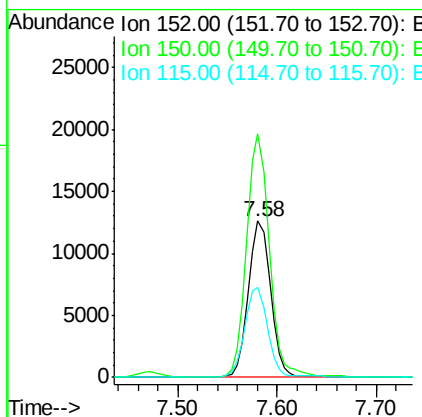
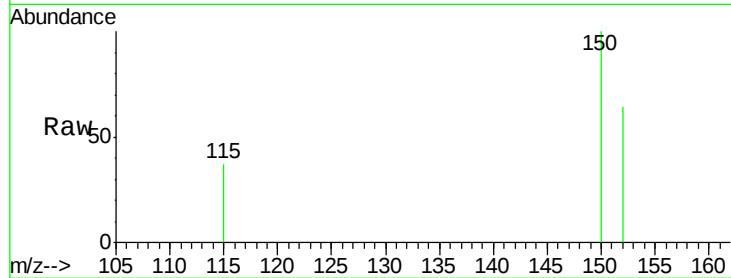
SSTDCCC001EC

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Tot Ion:	152	Resp:	19481
Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.3	184.9
115	57.4	45.0	67.6



#2

1,4-Dioxane

Concen: 0.91 ng

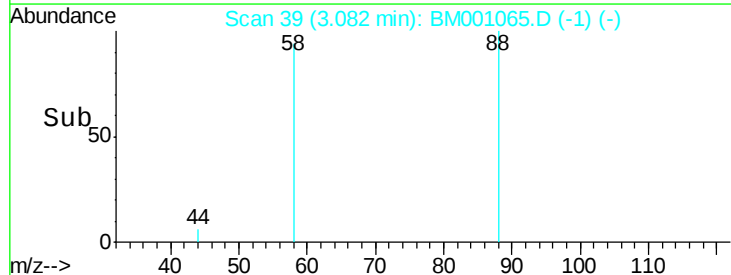
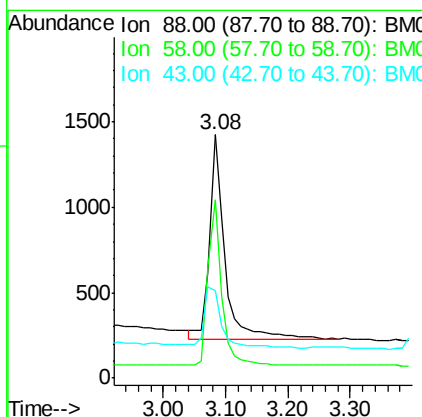
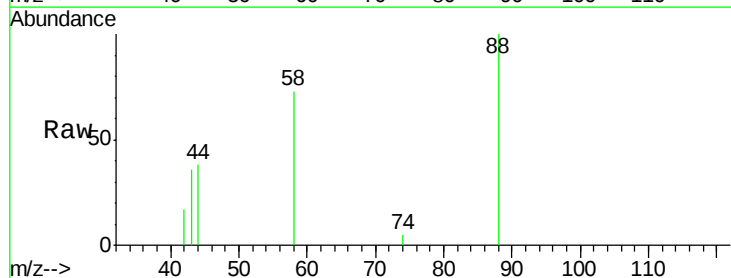
RT: 3.08 min Scan# 39

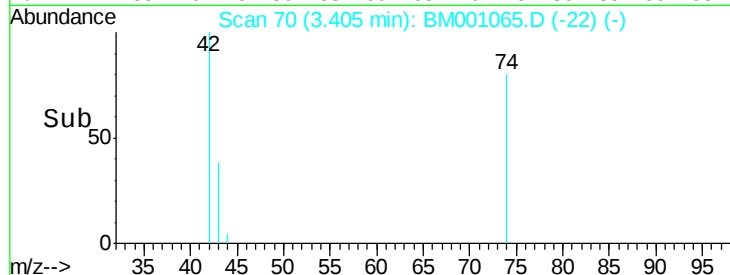
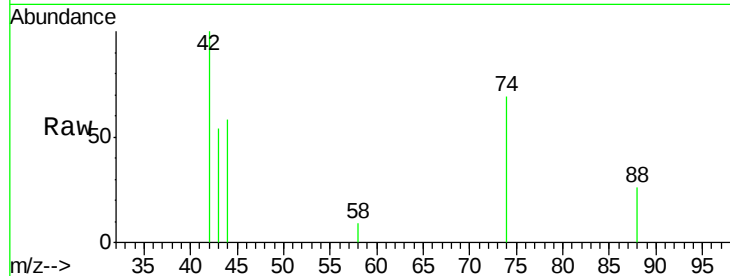
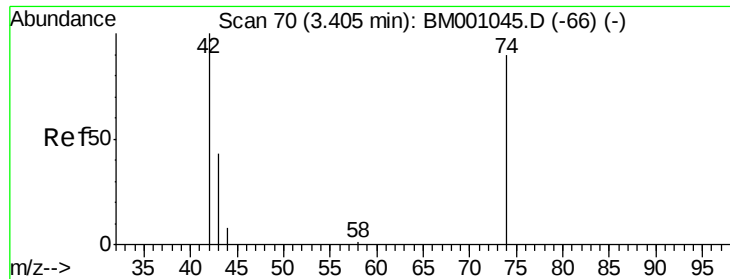
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	88	Resp:	1994
Ion	Ratio	Lower	Upper
88	100		
58	71.3	0.0	0.0#
43	33.2	0.0	0.0#





#3

n-Nitrosodimethylamine

Concen: 0.94 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tot Ion:	42	Resp:	1927
Ion	Ratio	Lower	Upper
42	100		
74	126.1	92.1	138.1
44	7.7	5.8	8.6

Instrument :

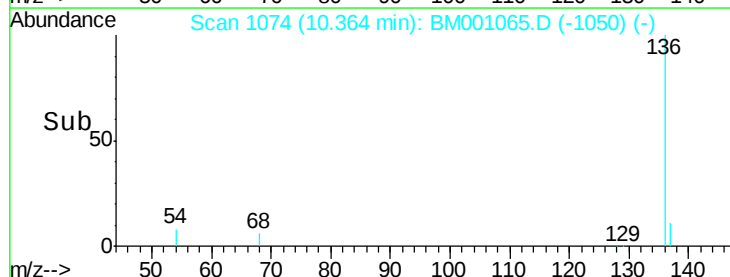
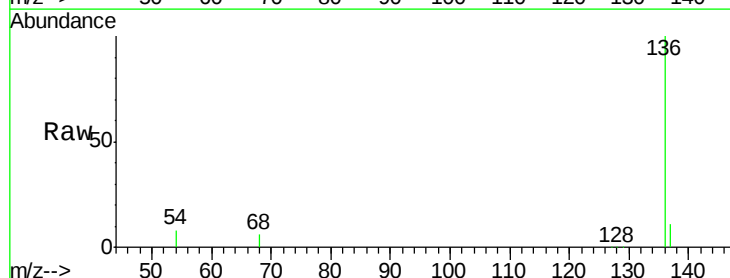
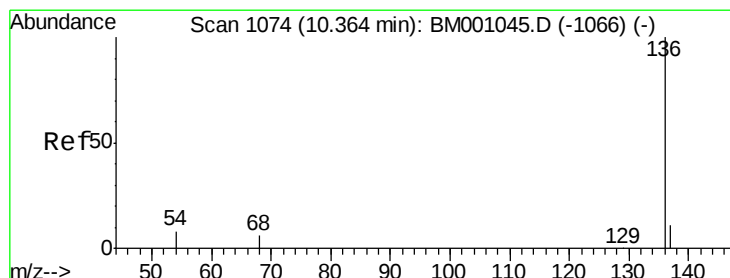
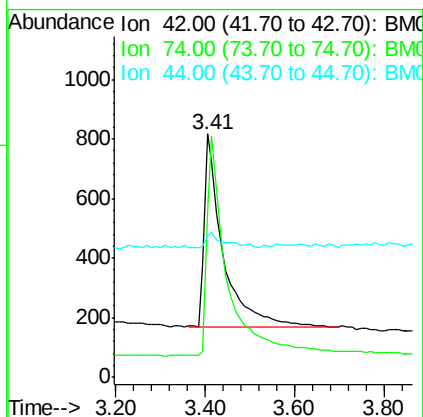
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ClientSampleId :

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#4

Naphthalene-d8

Concen: 5.00 ng

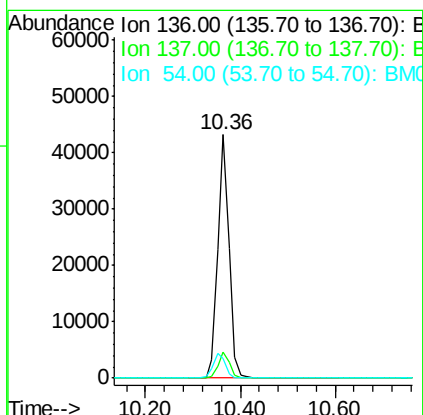
RT: 10.36 min Scan# 1074

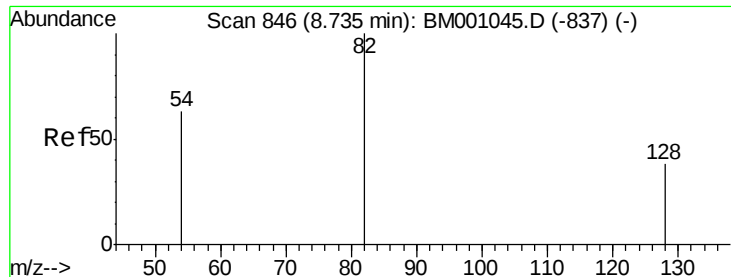
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	136	Resp:	70656
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.2	6.5	9.7





#5

Nitrobenzene-d5

Concen: 1.13 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

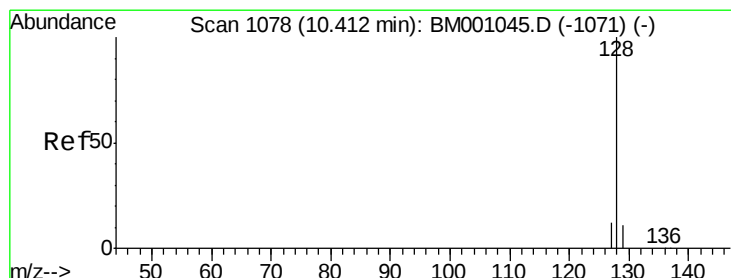
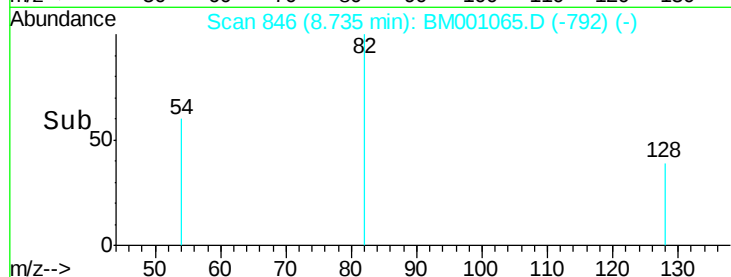
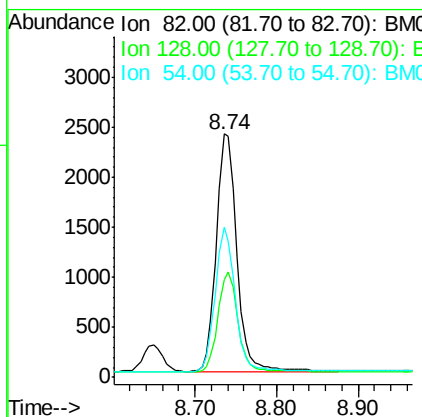
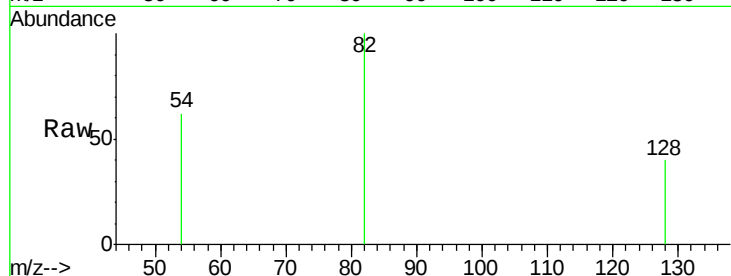
ClientSampleId :

SSTDCCC001EC

Tot Ion:	82	Resp:	4158
Ion Ratio	Lower	Upper	
82	100		
128	40.0	31.9	47.9
54	61.5	51.3	76.9

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#6

Naphthalene

Concen: 0.99 ng

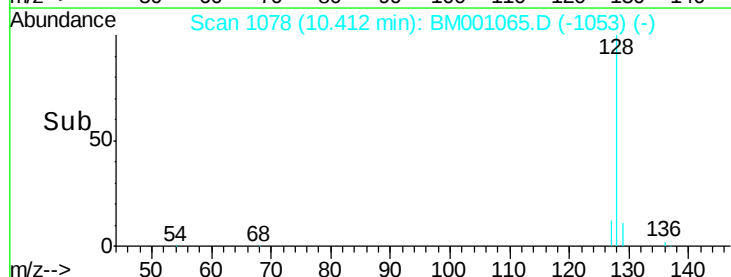
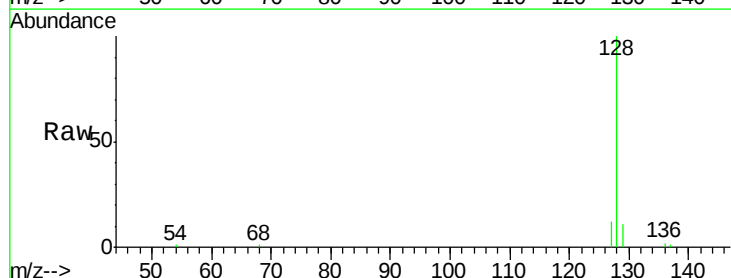
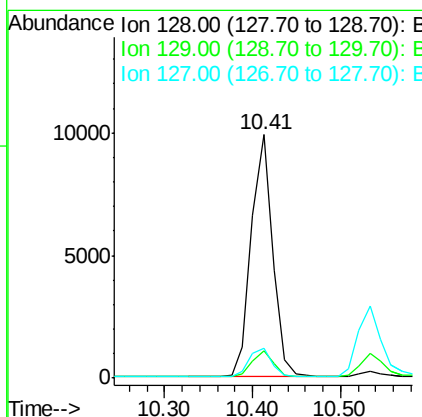
RT: 10.41 min Scan# 1078

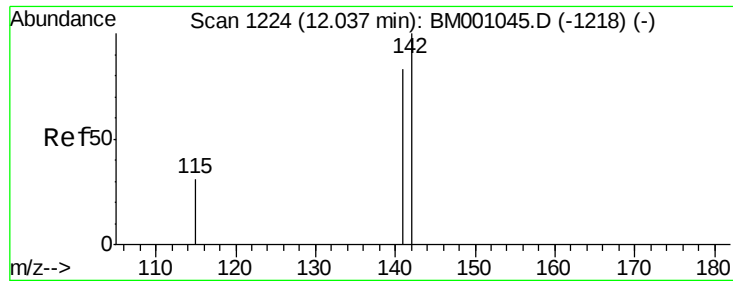
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	128	Resp:	16663
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.3	13.9
127	12.4	10.0	15.0





#7

2-Methylnaphthalene

Concen: 0.98 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

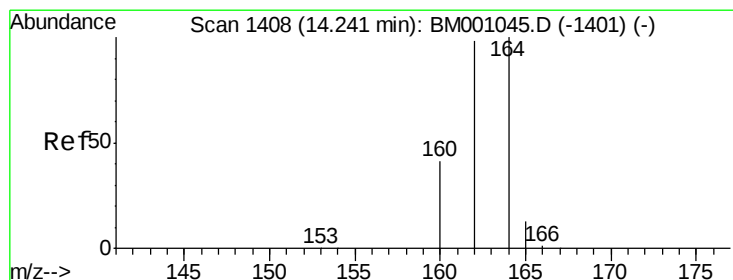
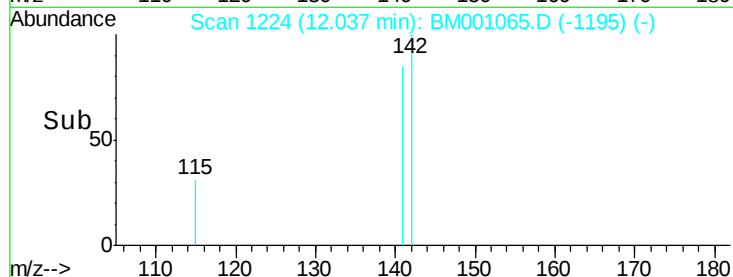
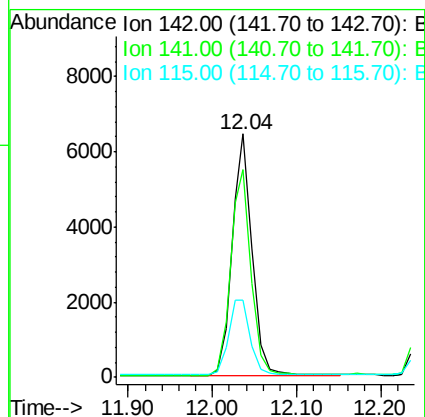
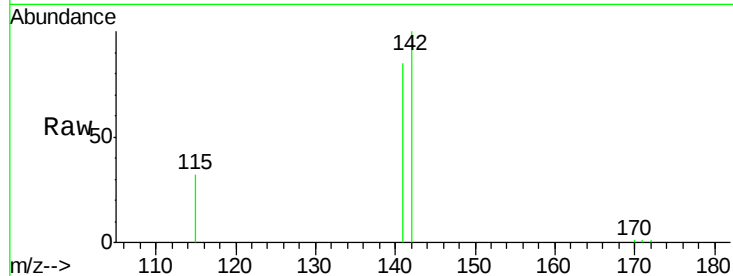
ClientSampleId :

SSTDCCC001EC

Tot Ion:	142	Resp:	10701
Ion Ratio	Lower	Upper	
142	100		
141	85.2	66.7	100.1
115	31.8	25.5	38.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

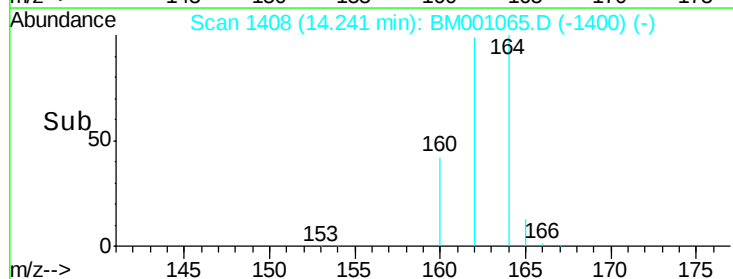
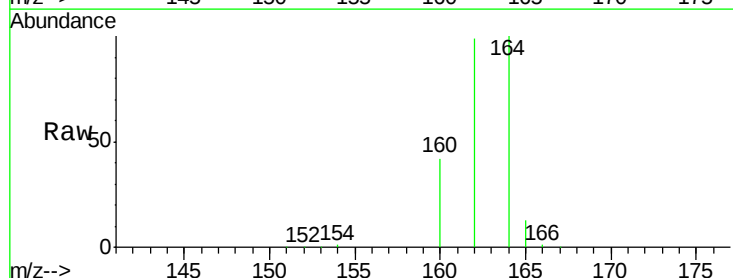
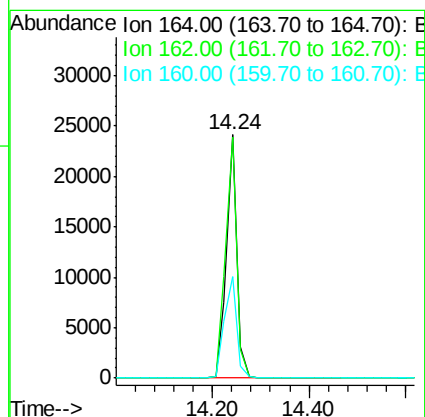
RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	164	Resp:	35815
Ion Ratio	Lower	Upper	
164	100		
162	98.9	78.5	117.7
160	41.8	32.9	49.3





#9

2-Fluorobiphenyl

Concen: 0.98 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

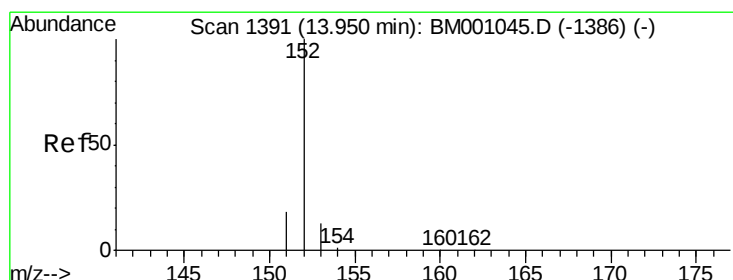
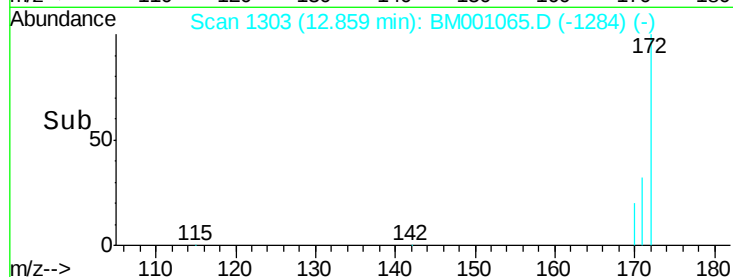
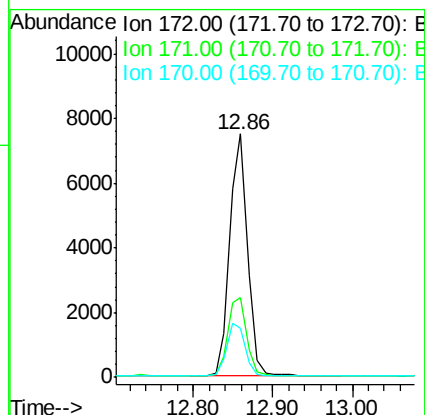
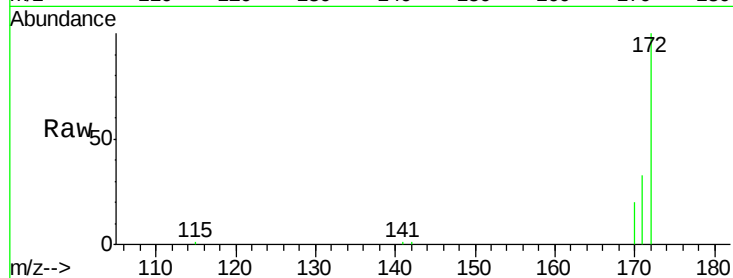
ClientSampleId :

SSTDCCC001EC

Tot Ion:	172	Resp:	11554
Ion	Ratio	Lower	Upper
172	100		
171	32.7	25.6	38.4
170	20.2	15.8	23.6

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#10

Acenaphthylene

Concen: 1.07 ng

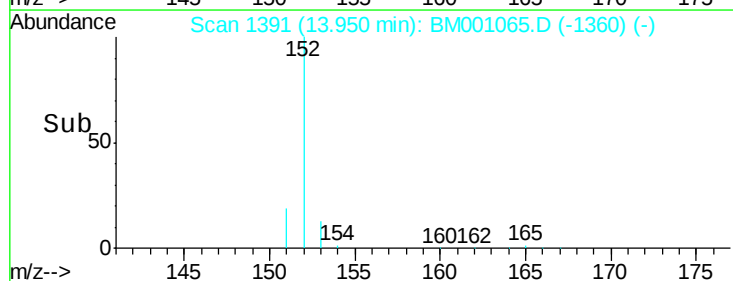
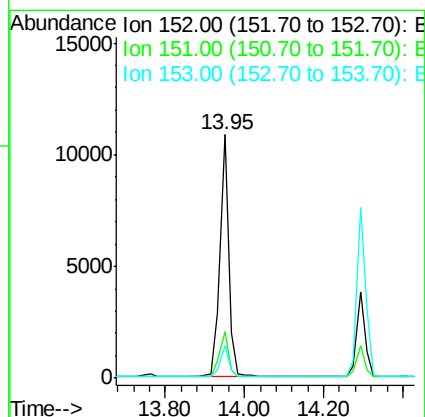
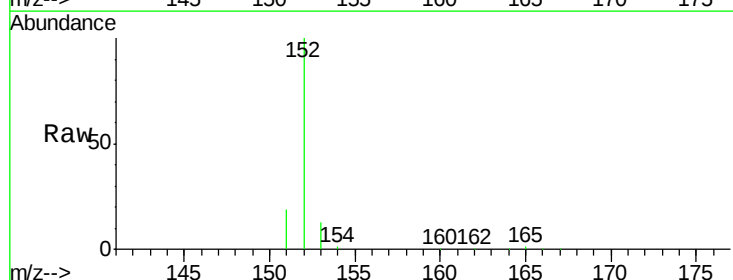
RT: 13.95 min Scan# 1391

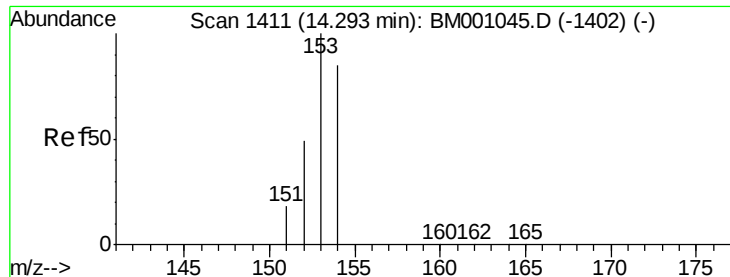
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	152	Resp:	16876
Ion	Ratio	Lower	Upper
152	100		
151	19.0	14.7	22.1
153	12.7	10.2	15.2





#11

Acenaphthene

Concen: 0.97 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

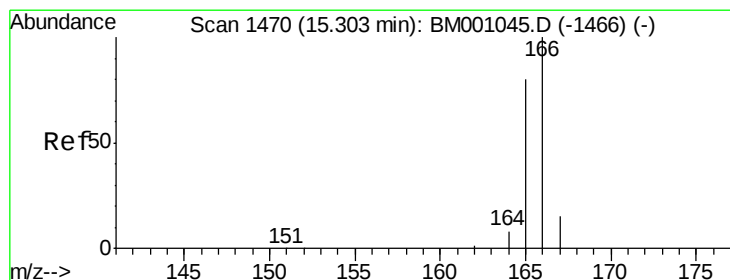
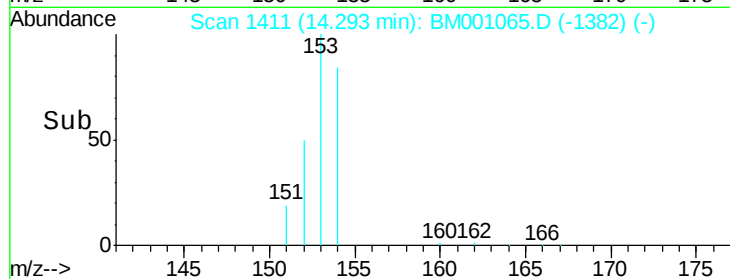
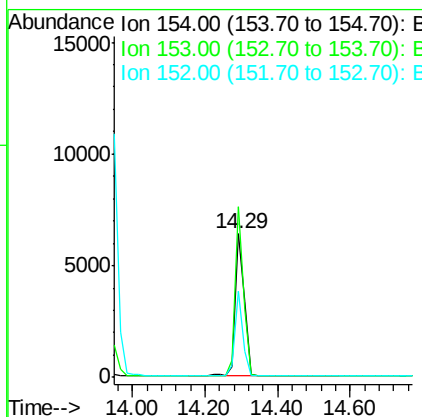
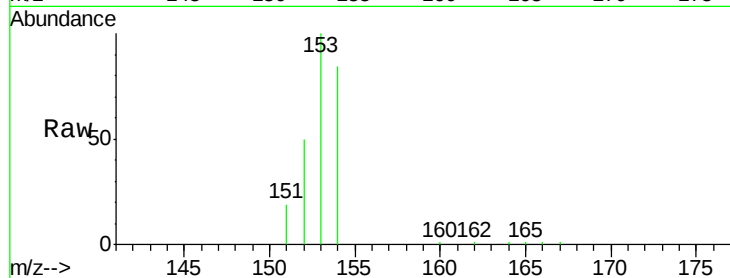
ClientSampleId :

SSTDCCC001EC

Tot Ion:	154	Resp:	10752
Ion Ratio	Lower	Upper	
154	100		
153	109.4	88.1	132.1
152	52.4	42.3	63.5

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#12

Fluorene

Concen: 1.00 ng

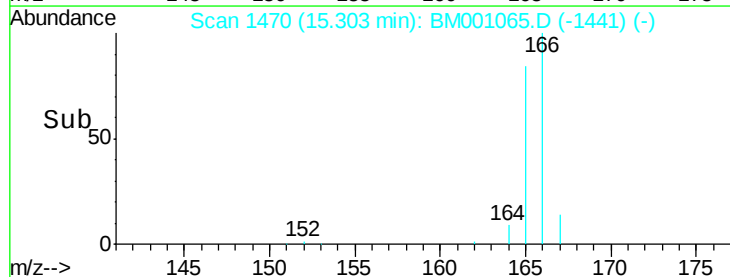
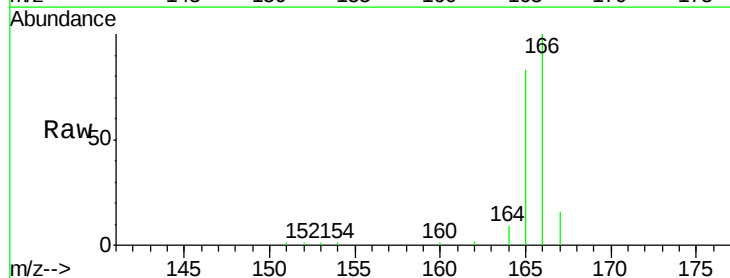
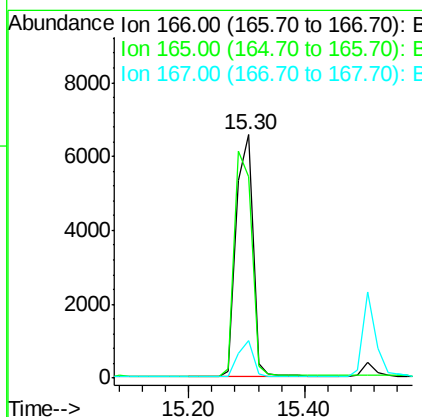
RT: 15.30 min Scan# 1470

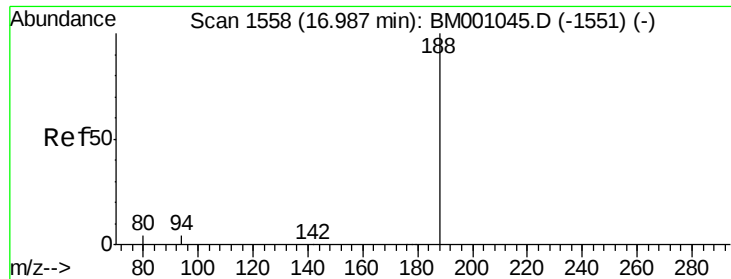
Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	166	Resp:	12788
Ion Ratio	Lower	Upper	
166	100		
165	97.0	77.6	116.4
167	13.6	10.6	16.0





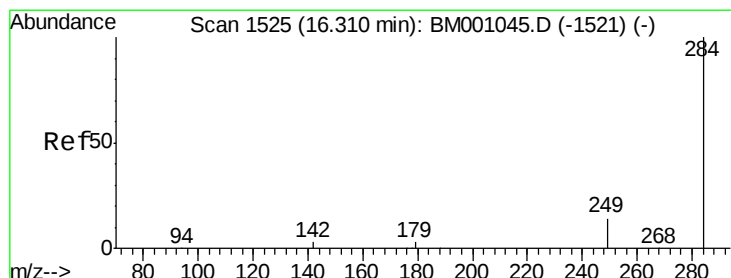
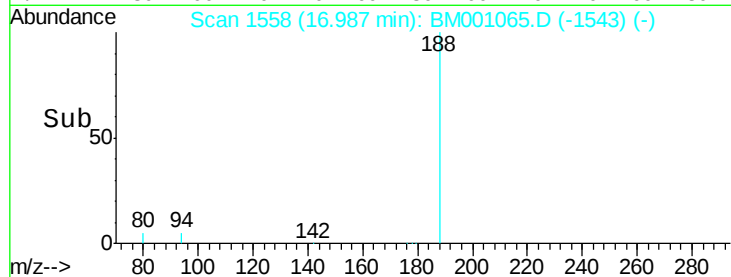
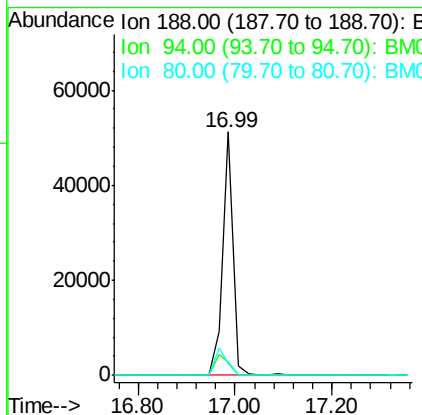
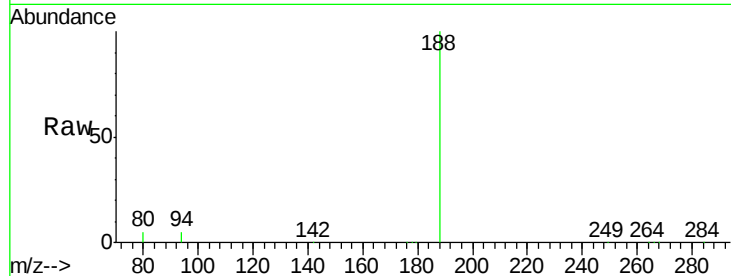
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Resp	Lower	Upper
188	100	78120		
94	5.4		3.6	5.4#
80	4.8		3.0	4.6#

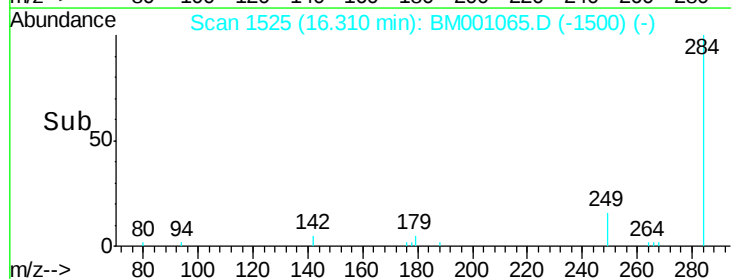
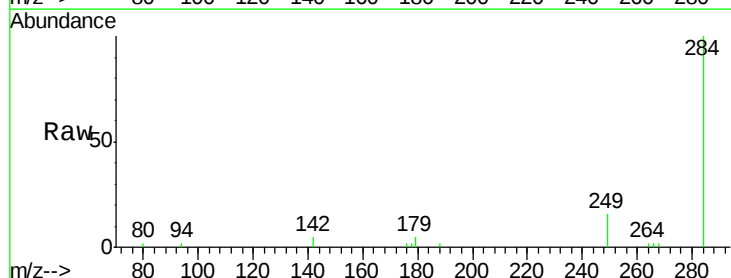
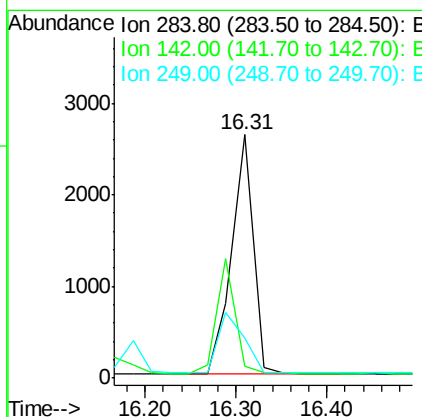
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#14
Hexachlorobenzene
Concen: 0.99 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	4262		
142	0.0		0.0	0.0
249	0.0		0.0	0.0





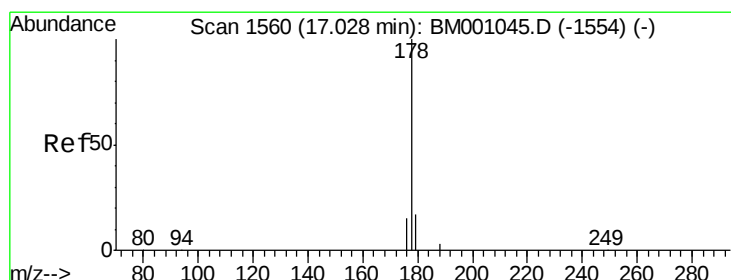
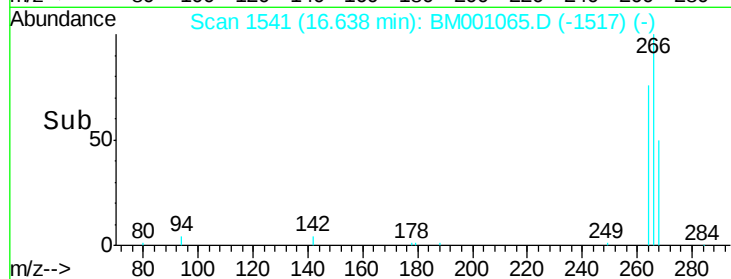
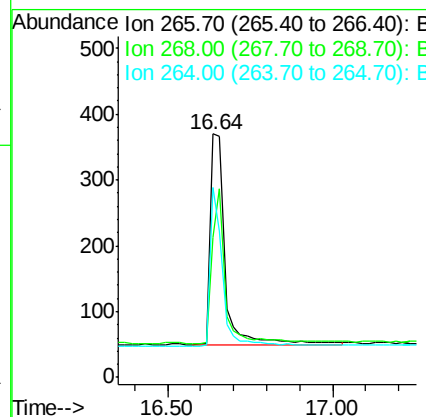
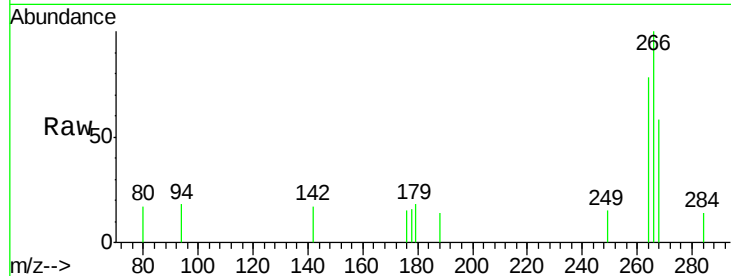
#15
 Pentachlorophenol
 Concen: 0.91 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Instrument :
 BNA_M
 ClientSampleId :
 SSTCCCC001EC

Tot Ion	Ratio	Lower	Upper
266	100		
268	57.6	46.3	69.5
264	78.1	59.8	89.6

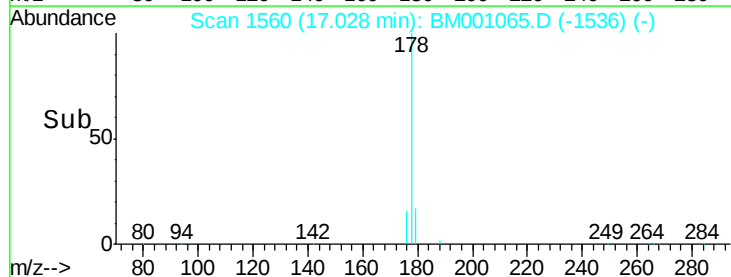
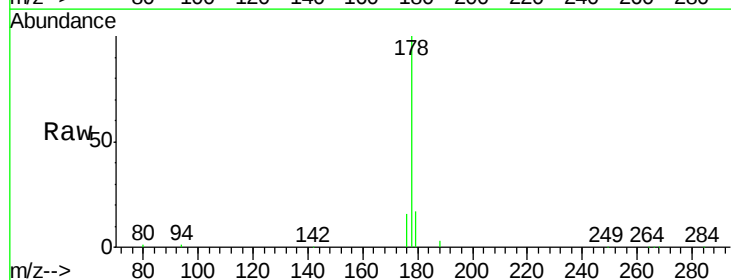
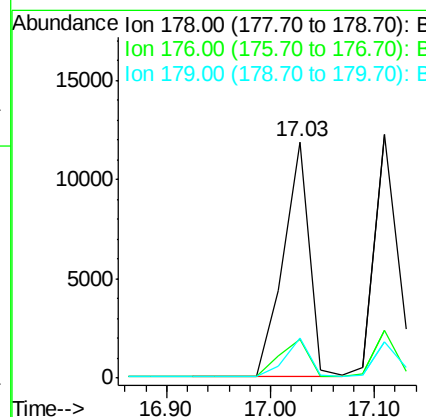
Manual Integrations
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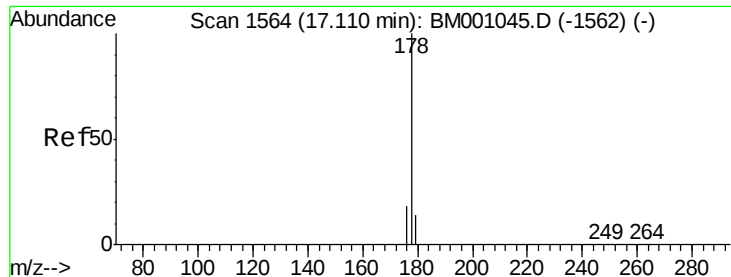
apatel
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#16
 Phenanthrene
 Concen: 0.99 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.7	12.6	19.0





#17

Anthracene

Concen: 1.02 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tot Ion:178 Resp: 19448

Ion Ratio Lower Upper

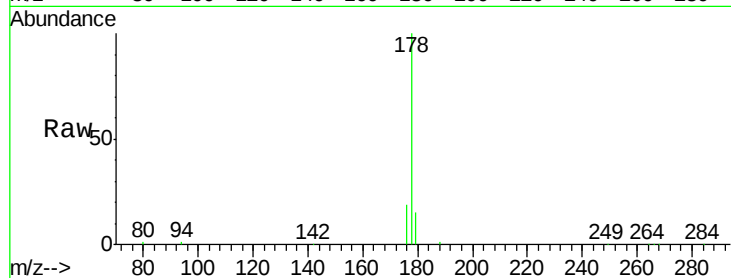
178 100

176 18.2 14.3 21.5

179 15.1 11.8 17.8

Manual Integrations
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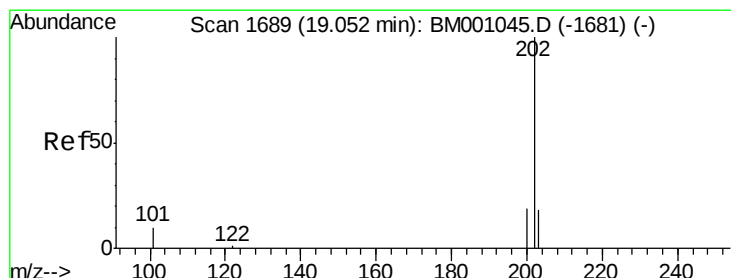
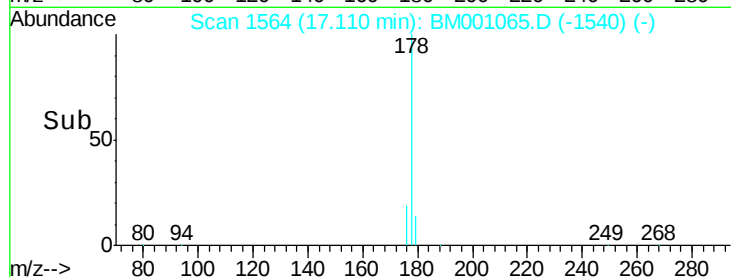
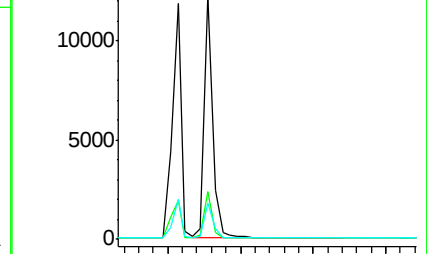
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 1.04 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

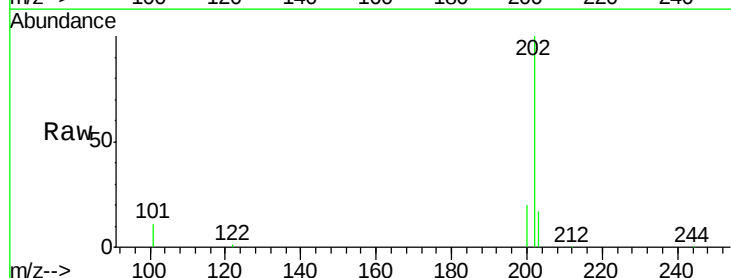
Tgt Ion:202 Resp: 22464

Ion Ratio Lower Upper

202 100

101 13.0 10.1 15.1

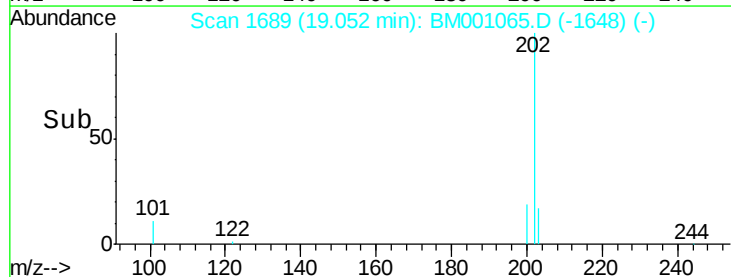
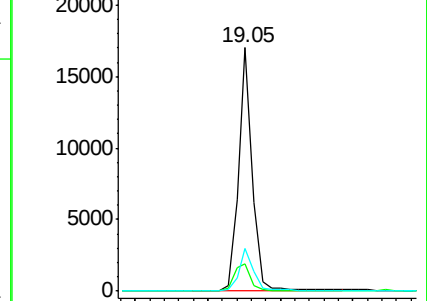
203 17.2 13.8 20.8

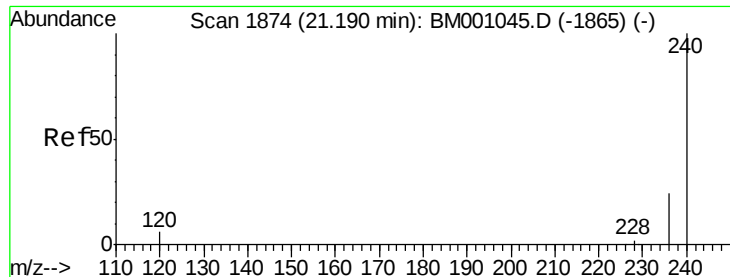


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





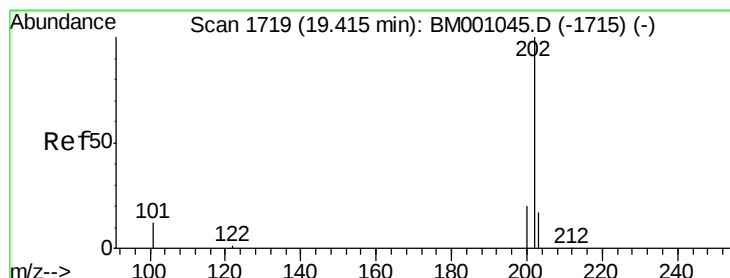
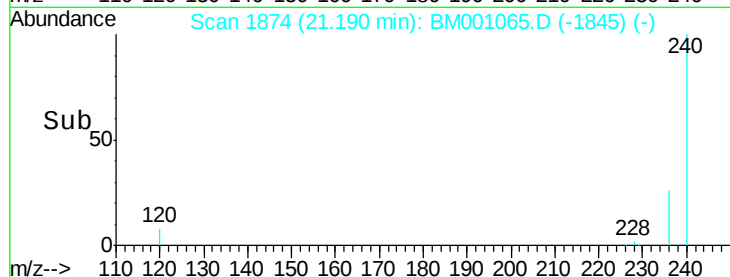
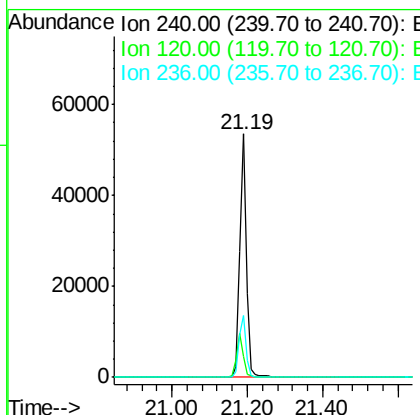
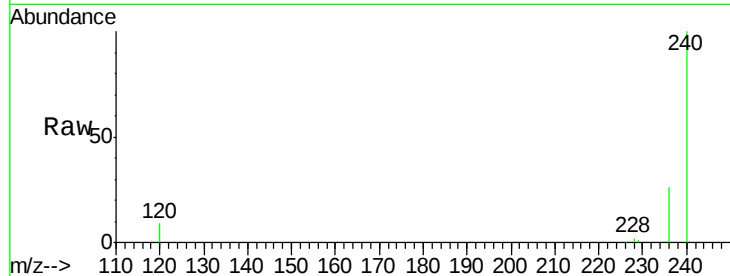
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	4.6	6.8
236	25.7	19.1	28.7

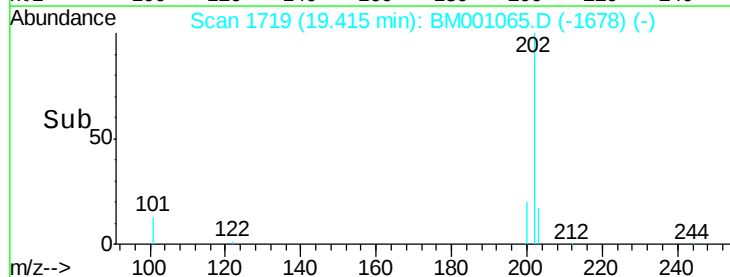
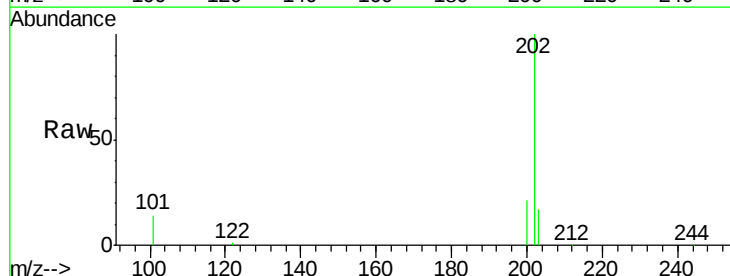
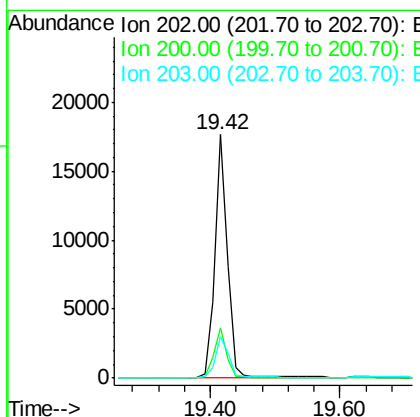
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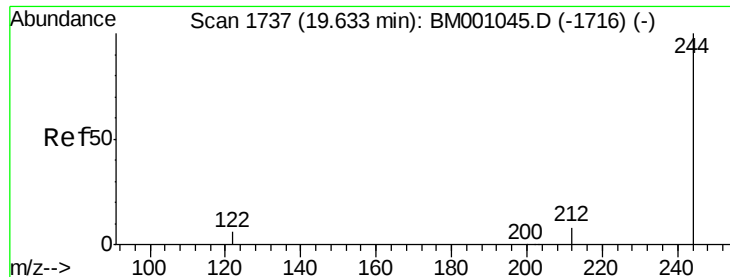
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#20
Pyrene
Concen: 1.07 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	17.5	13.8	20.6





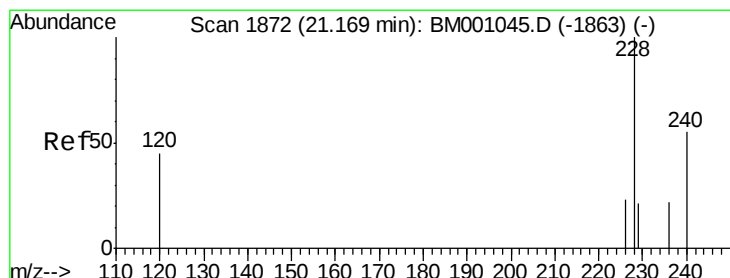
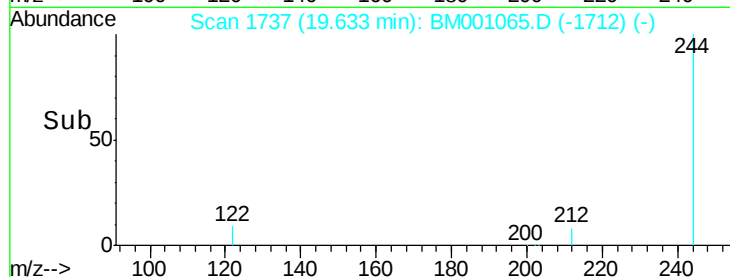
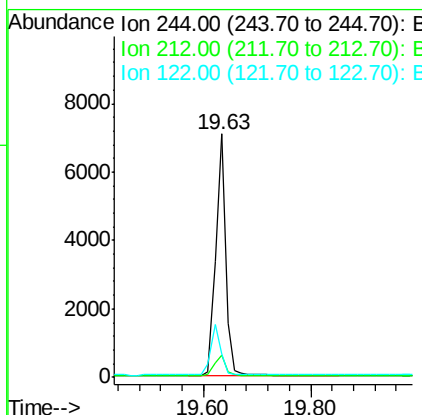
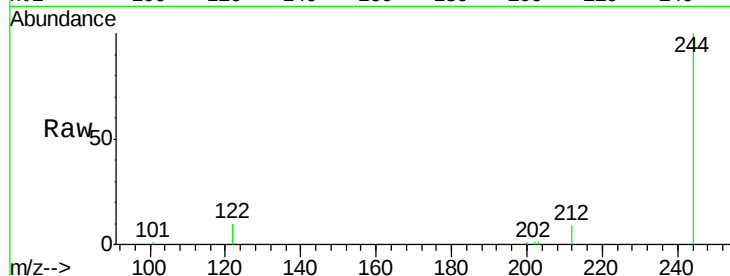
#21
 Terphenyl-d14
 Concen: 1.03 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.1	10.7
122	9.8	5.9	8.9

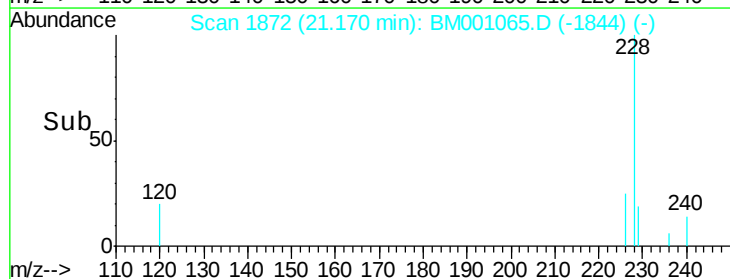
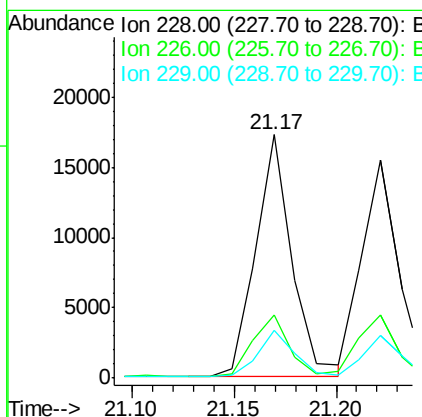
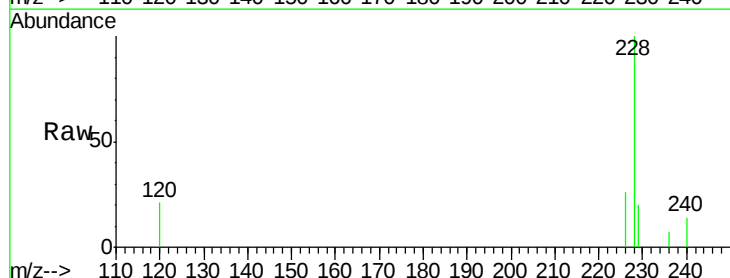
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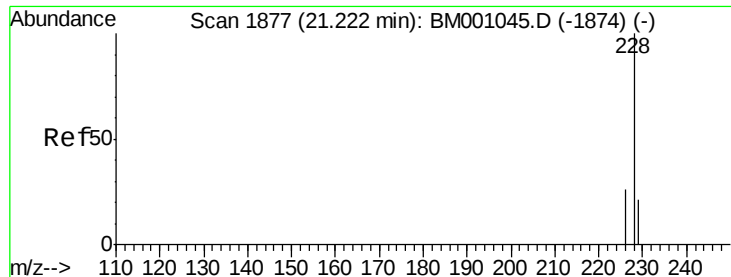
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#22
 Benzo(a)anthracene
 Concen: 1.11 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001065.D
 Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	19.0	28.6
229	19.6	16.8	25.2





#23

Chrysene

Concen: 0.94 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Instrument :

BNA_M

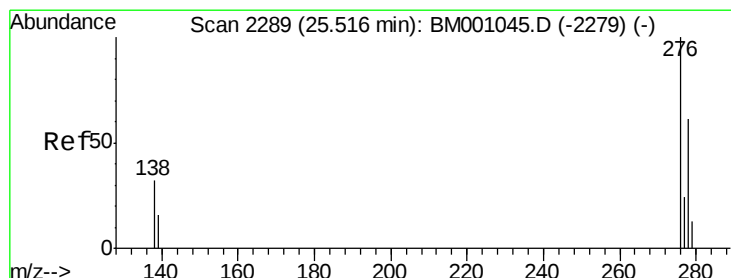
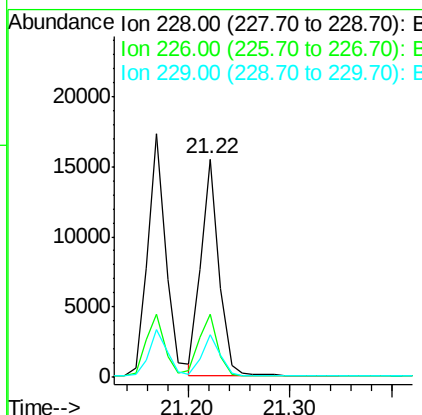
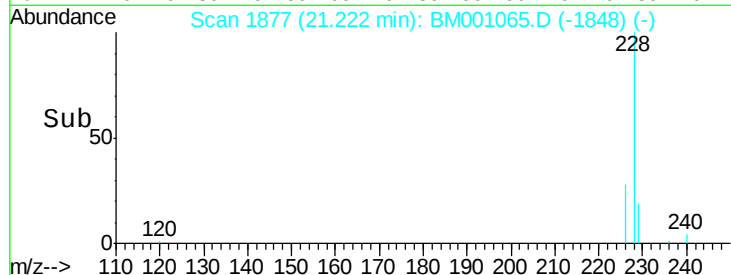
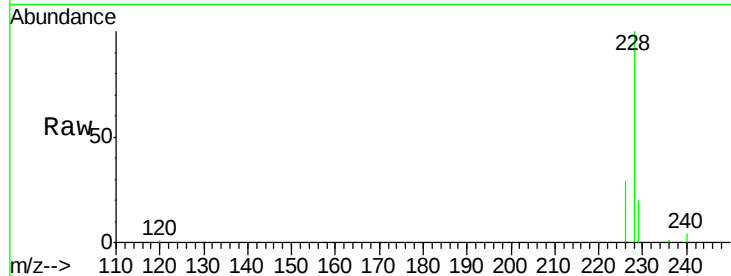
ClientSampleId :

SSTDCCC001EC

Tot Ion:	228	Resp:	19077
Ion Ratio	Lower	Upper	
228	100		
226	28.6	20.6	31.0
229	19.7	17.2	25.8

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 1.06 ng

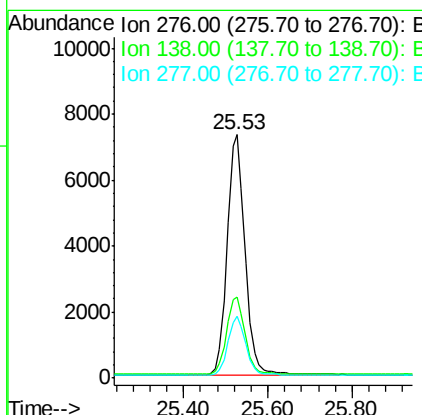
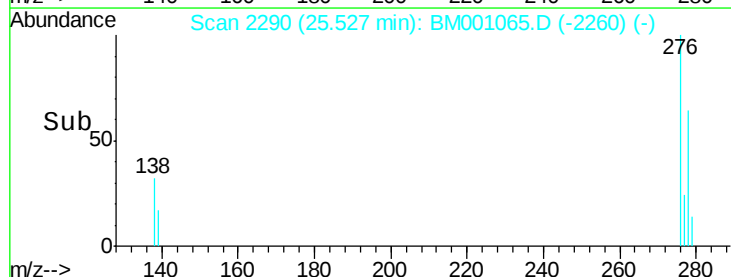
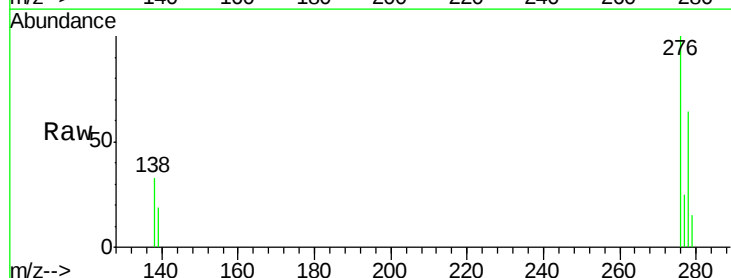
RT: 25.53 min Scan# 2290

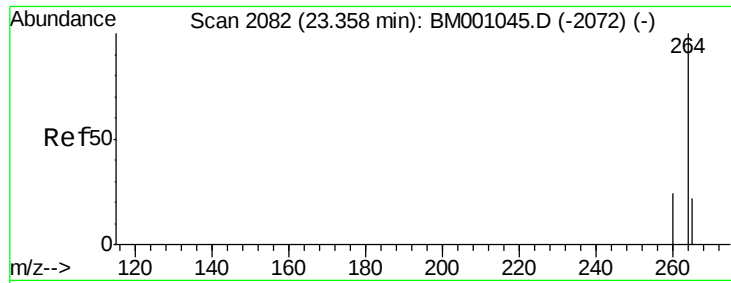
Delta R.T. 0.01 min

Lab File: BM001065.D

Acq: 18 Apr 2015 18:11

Tgt Ion:	276	Resp:	21898
Ion Ratio	Lower	Upper	
276	100		
138	33.2	26.3	39.5
277	24.3	19.5	29.3





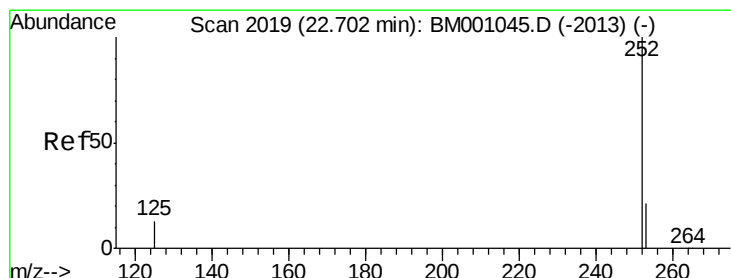
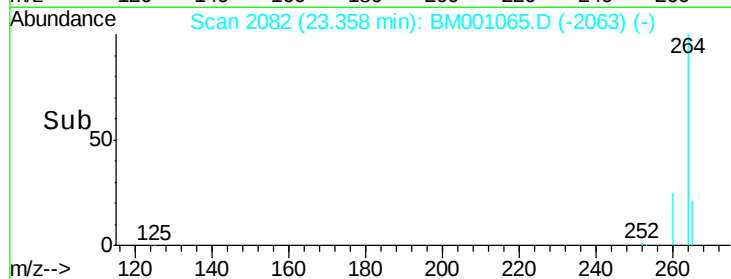
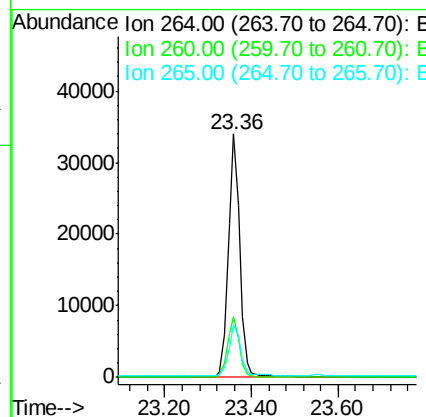
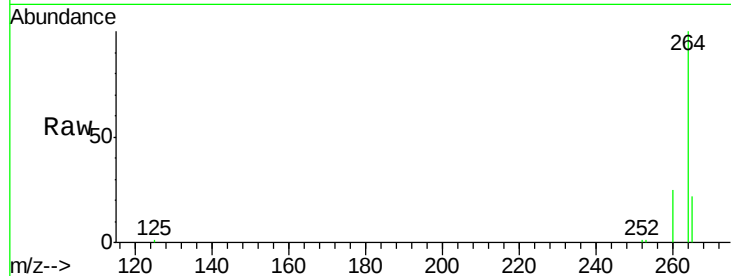
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.0	28.6
265	21.5	17.9	26.9

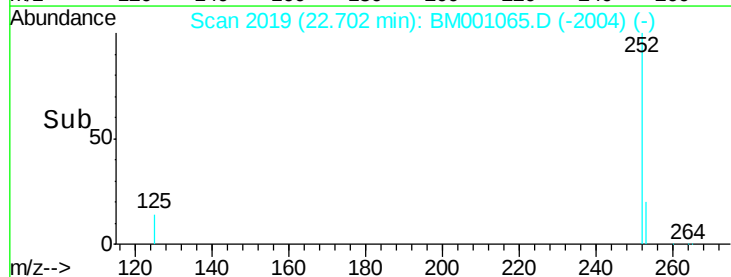
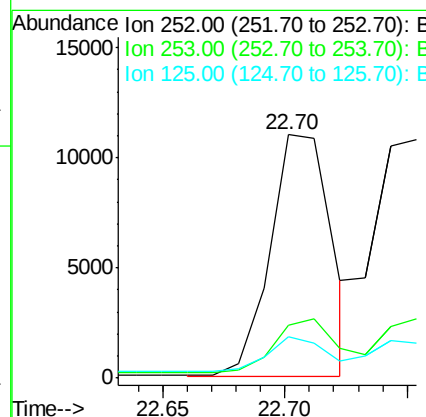
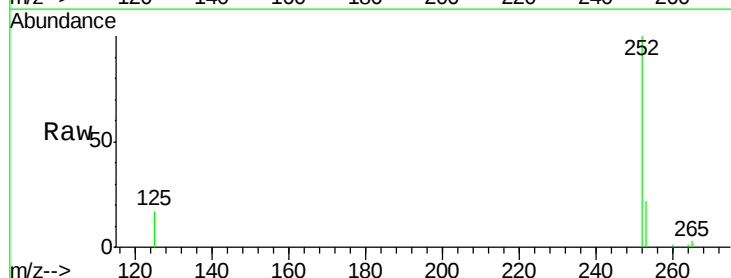
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#26
Benzo(b)fluoranthene
Concen: 0.97 ng m
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	16.8	10.9	16.3





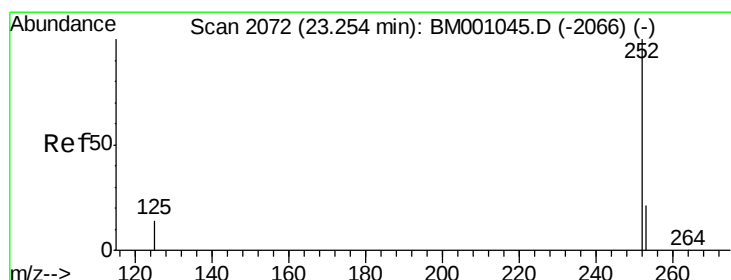
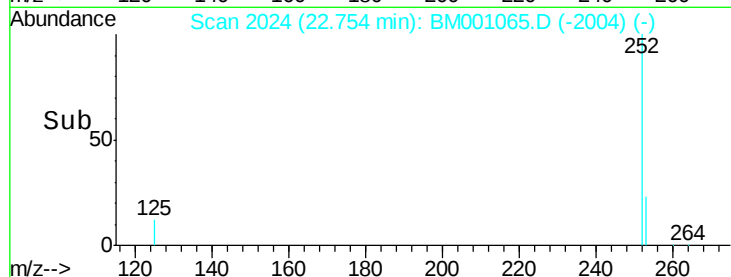
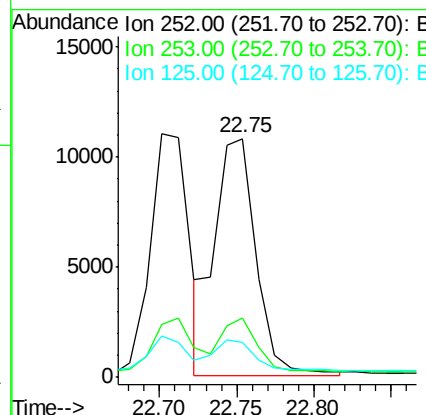
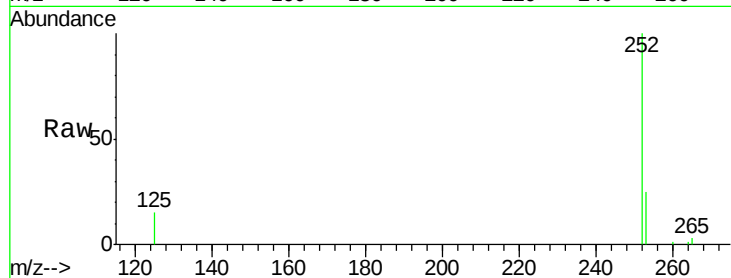
#27
Benzo(k)fluoranthene
Concen: 1.05 ng m
RT: 22.75 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.3	27.5
125	14.6	10.6	15.8

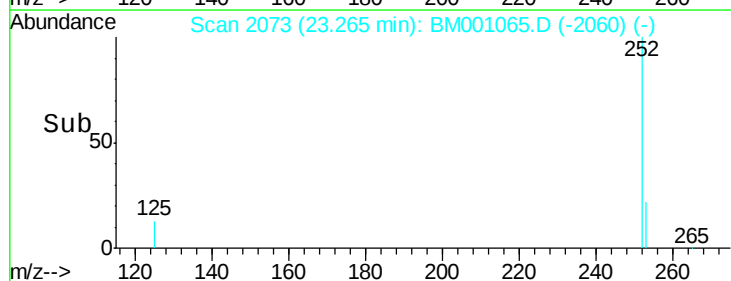
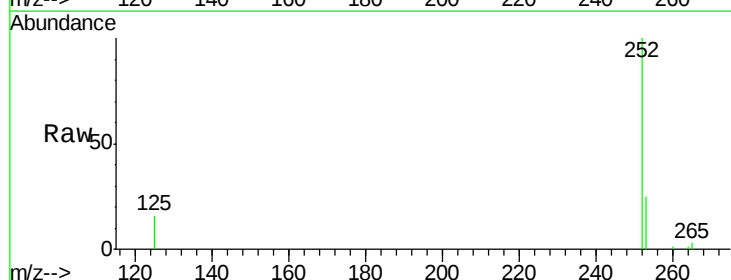
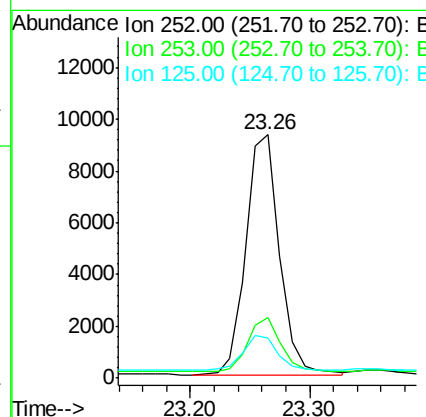
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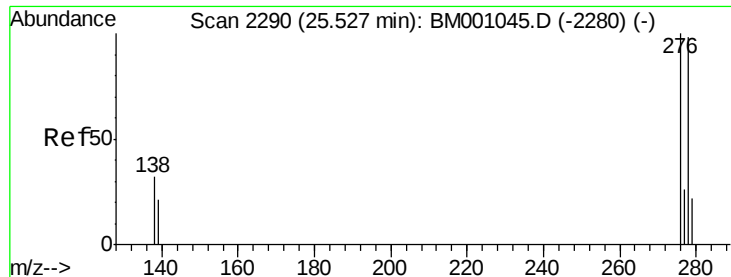
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#28
Benzo(a)pyrene
Concen: 1.07 ng
RT: 23.26 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	27.8
125	16.2	11.9	17.9





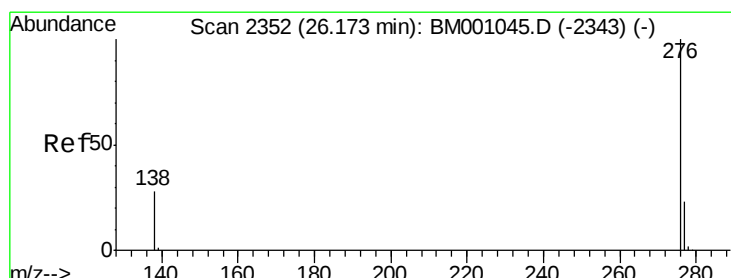
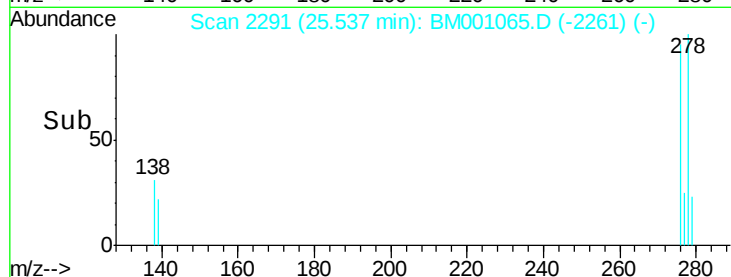
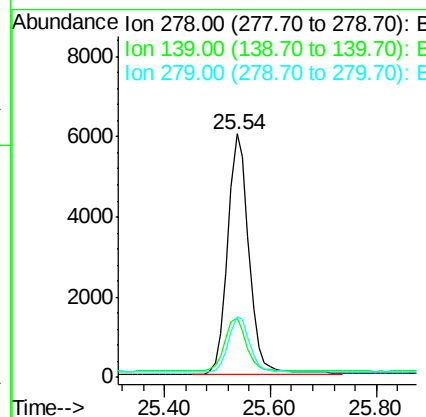
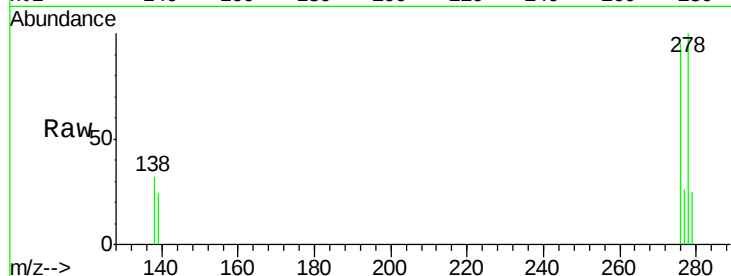
#29
Dibenzo(a,h)anthracene
Concen: 1.01 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.1	18.2	27.2
279	24.8	19.1	28.7

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#30
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001065.D
Acq: 18 Apr 2015 18:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	30.8	23.4	35.2

