

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051315\
 Data File : BM001266.D
 Acq On : 13 May 2015 00:18
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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apatel
 5/13/2015 4:55:00 PM

Quant Time: May 13 05:38:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 04:25:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	15865	5.00	ng	0.00
6) Naphthalene-d8	10.22	136	55630	5.00	ng	0.00
12) Acenaphthene-d10	14.12	164	29511	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	66878	5.00	ng	0.00
24) Chrysene-d12	21.08	240	51201	5.00	ng	0.00
30) Perylene-d12	23.18	264	47516	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	298	0.09	ng	0.00
5) Phenol-d6	6.63	99	318	0.08	ng	0.00
7) Nitrobenzene-d5	8.61	82	212	0.07	ng	0.01
13) 2,4,6-Tribromophenol	15.63	330	94	0.06	ng	0.00
14) 2-Fluorobiphenyl	12.74	172	910	0.10	ng	0.01
26) Terphenyl-d14	19.53	244	658	0.09	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.26	42	208	0.11	ng	# 2
8) Nitrobenzene	8.65	77	230	0.07	ng	97
9) Naphthalene	10.27	128	1194	0.10	ng	# 87
10) Hexachlorobutadiene	10.56	225	240	0.10	ng	95
11) 2-Methylnaphthalene	11.91	142	722	0.09	ng	96
15) Acenaphthylene	13.83	152	1037	0.08	ng	99
16) Acenaphthene	14.18	154	780	0.10	ng	99
17) Fluorene	15.17	166	757	0.06	ng	# 69
19) Hexachlorobenzene	16.18	284	419	0.11	ng	# 98
21) Phenanthrene	16.88	178	1083	0.04	ng	# 99
22) Anthracene	17.01	178	992	0.05	ng	# 58
23) Fluoranthene	18.93	202	1456	0.06	ng	99
25) Pyrene	19.30	202	1517	0.09	ng	100
27) Benzo(a)anthracene	21.06	228	1379	0.10	ng	# 94
28) Chrysene	21.11	228	1497m	0.11	ng	
29) Indeno(1,2,3-cd)pyrene	25.28	276	1454	0.13	ng	98
31) Benzo(b)fluoranthene	22.56	252	1332	0.09	ng	# 76
32) Benzo(k)fluoranthene	22.60	252	1306	0.10	ng	# 78
33) Benzo(a)pyrene	23.09	252	1125	0.09	ng	# 69
34) Dibenzo(a,h)anthracene	25.29	278	1059	0.10	ng	# 74
35) Benzo(g,h,i)perylene	25.90	276	1266	0.12	ng	# 85

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

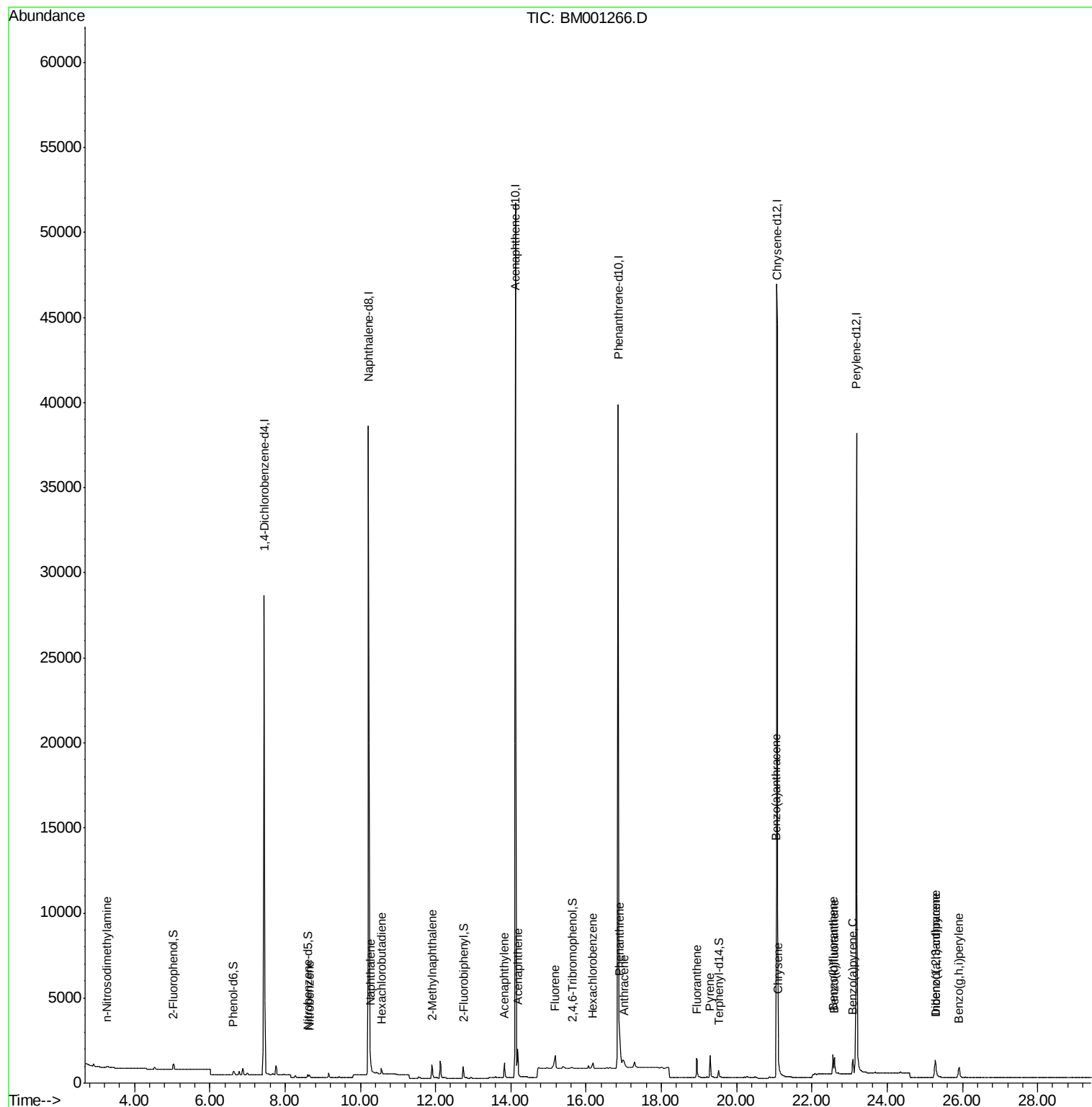
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051315\
Data File : BM001266.D
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Sample : SSTDICC0.1
Misc :
ALS Vial : 15 Sample Multiplier: 1

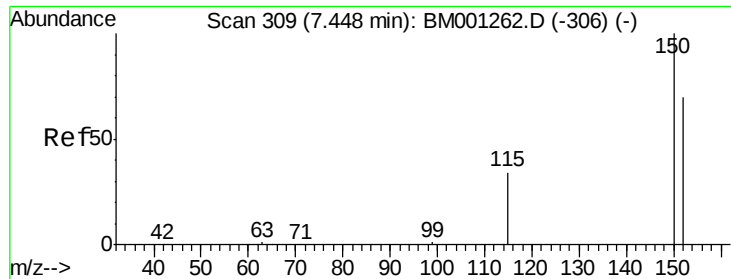
Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

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Quant Time: May 13 05:38:32 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 04:25:00 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.45 min Scan# 309

Delta R.T. -0.00 min

Lab File: BM001266.D

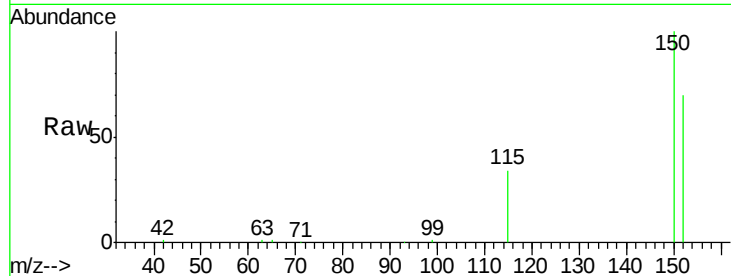
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

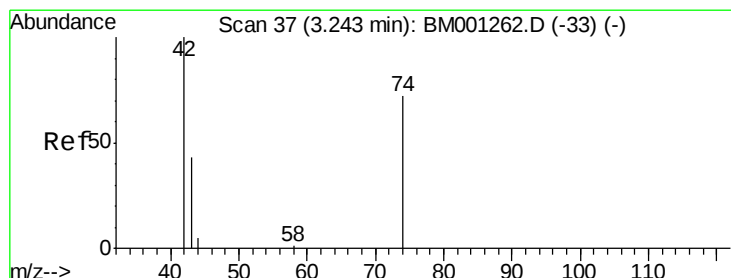
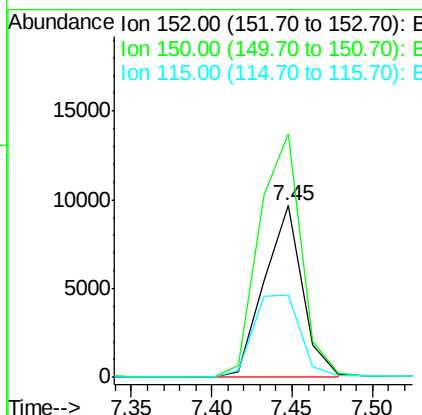
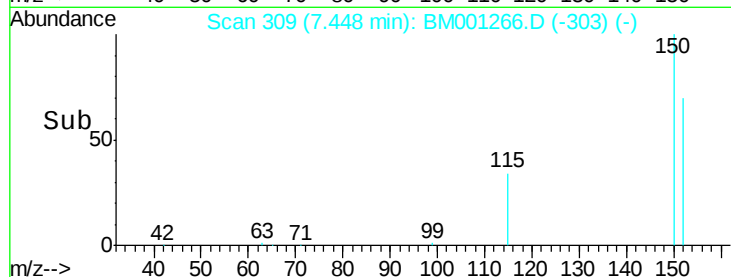
SSTDICC0.1



Tgt Ion:	152	Resp:	15865
Ion Ratio	Lower	Upper	
152	100		
150	141.9	114.6	172.0
115	48.1	39.3	58.9

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#3

n-Nitrosodimethylamine

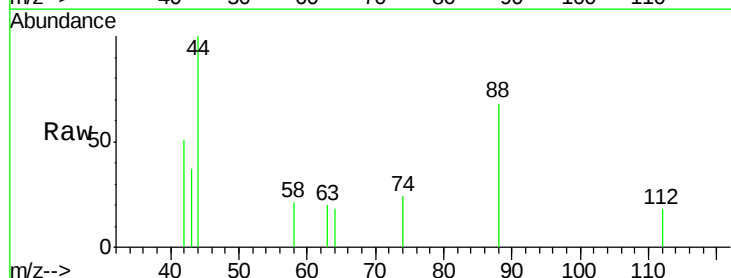
Concen: 0.11 ng

RT: 3.26 min Scan# 38

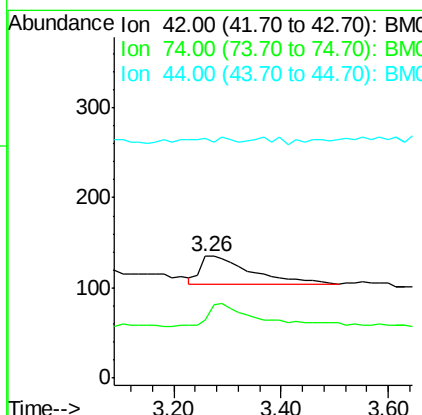
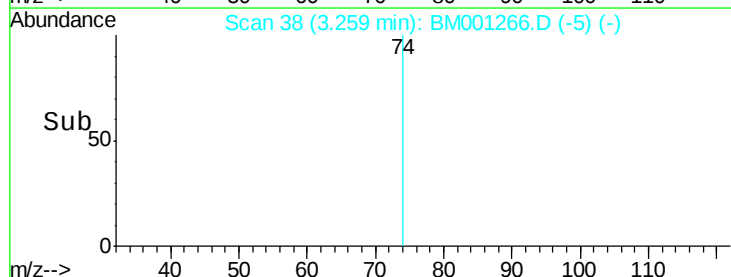
Delta R.T. 0.02 min

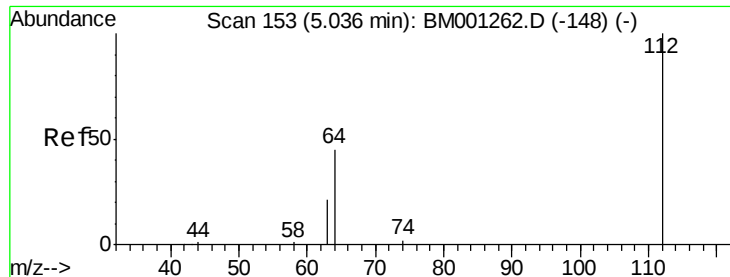
Lab File: BM001266.D

Acq: 13 May 2015 00:18



Tgt Ion:	42	Resp:	208
Ion Ratio	Lower	Upper	
42	100		
74	0.0	82.1	123.1#
44	0.0	3.0	4.4#





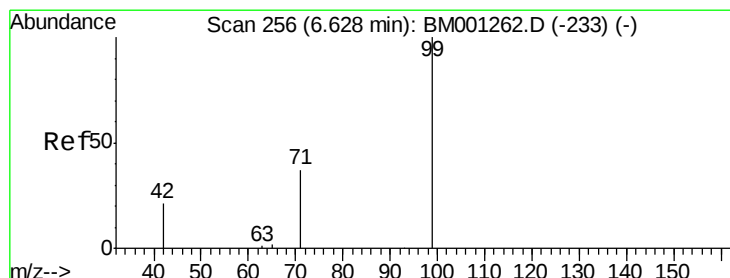
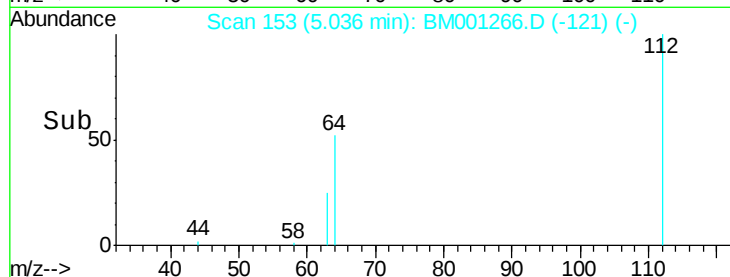
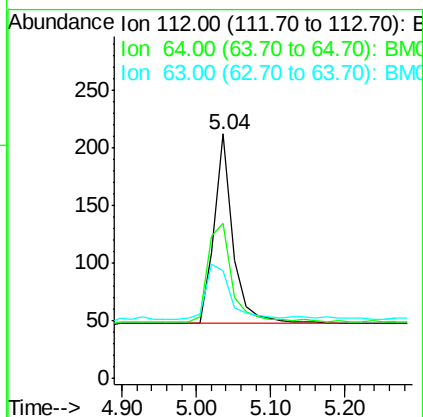
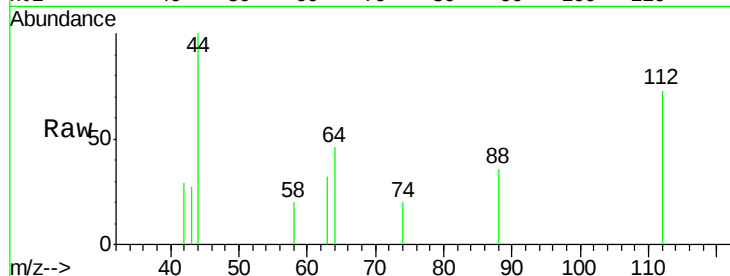
#4
2-Fluorophenol
Concen: 0.09 ng
RT: 5.04 min Scan# 153
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion:	112	Resp:	298
Ion Ratio	Lower	Upper	
112	100		
64	63.8	50.8	76.2
63	36.2	28.2	42.4

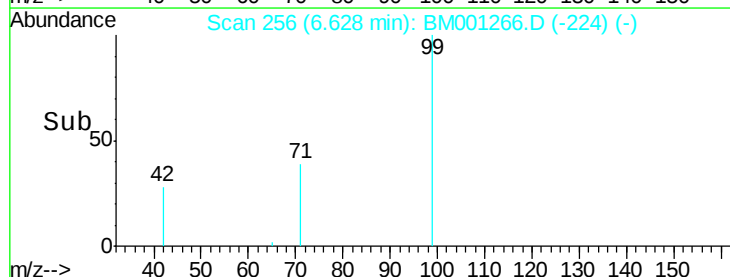
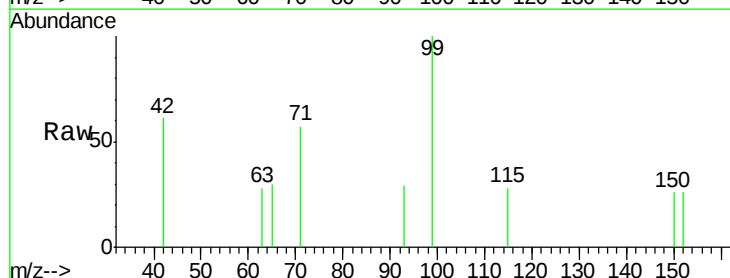
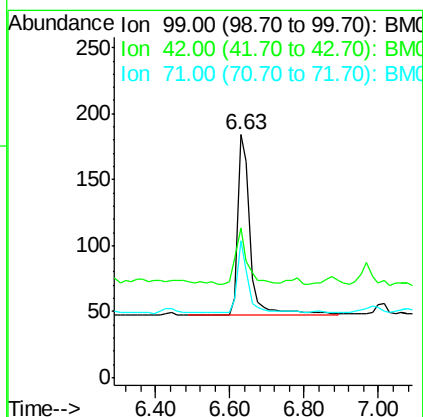
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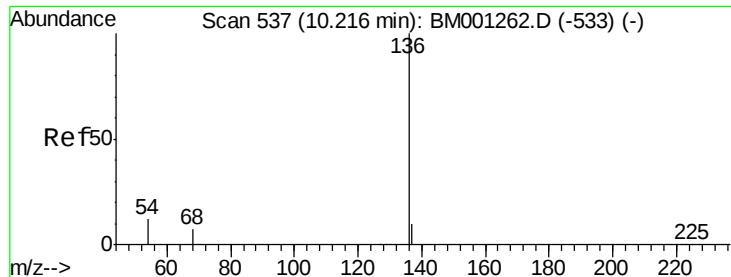
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#5
Phenol-d6
Concen: 0.08 ng
RT: 6.63 min Scan# 256
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion:	99	Resp:	318
Ion Ratio	Lower	Upper	
99	100		
42	28.3	19.9	29.9
71	35.8	28.0	42.0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.22 min Scan# 537

Delta R.T. -0.00 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

Instrument :

BNA_M

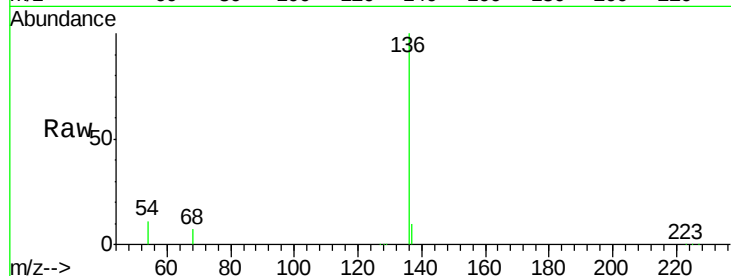
ClientSampleId :

SSTDIC0.1

Tgt Ion:	136	Resp:	55630
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.4
54	11.4	9.5	14.3
68	6.6	5.5	8.3

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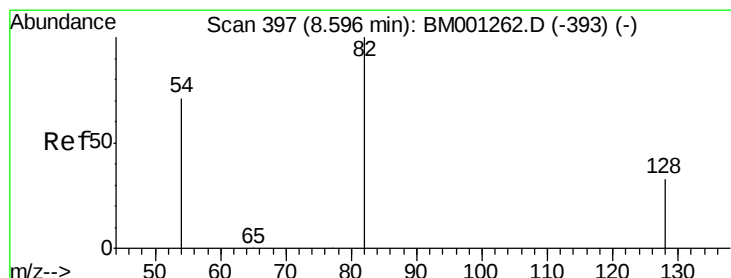
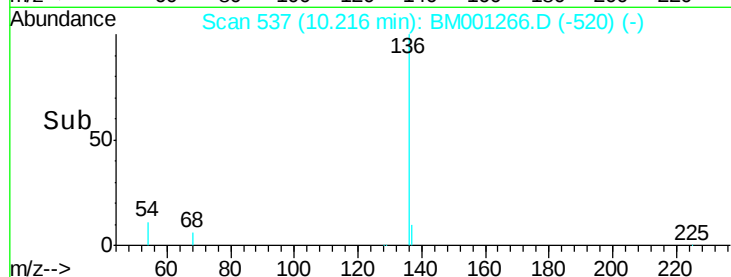
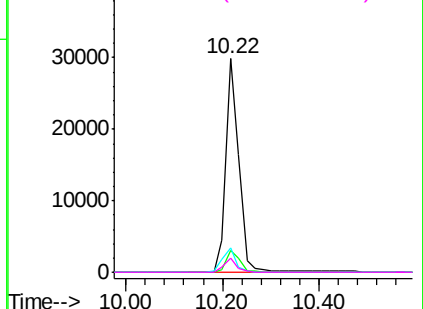


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#7

Nitrobenzene-d5

Concen: 0.07 ng

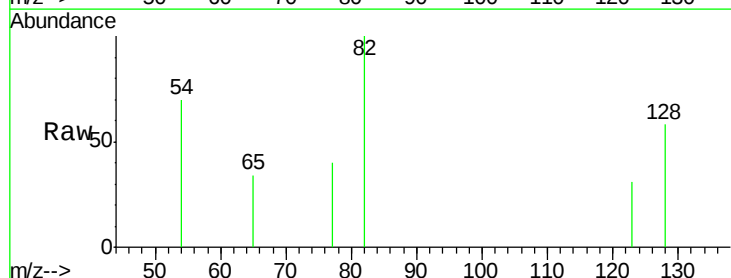
RT: 8.61 min Scan# 398

Delta R.T. 0.01 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

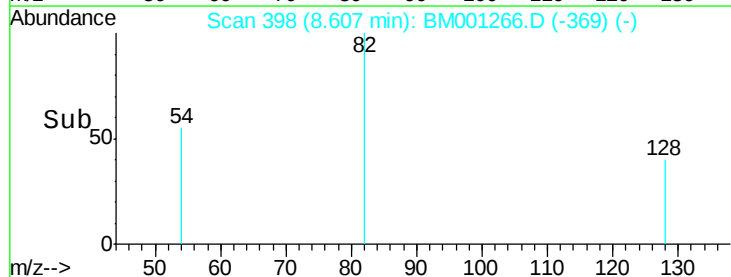
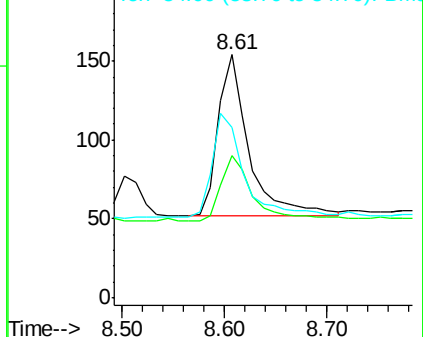
Tgt Ion:	82	Resp:	212
Ion Ratio	Lower	Upper	
82	100		
128	58.4	28.0	42.0#
54	70.1	57.3	85.9

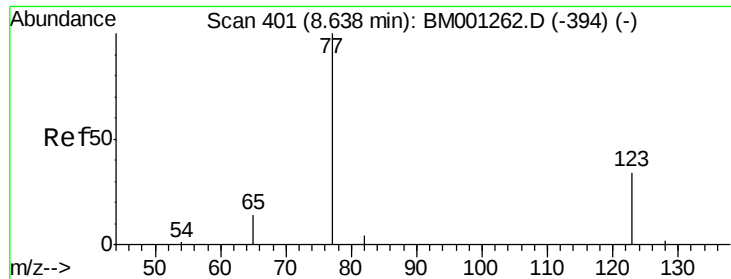


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#8

Nitrobenzene

Concen: 0.07 ng

RT: 8.65 min Scan# 402

Delta R.T. 0.01 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

Instrument :

BNA_M

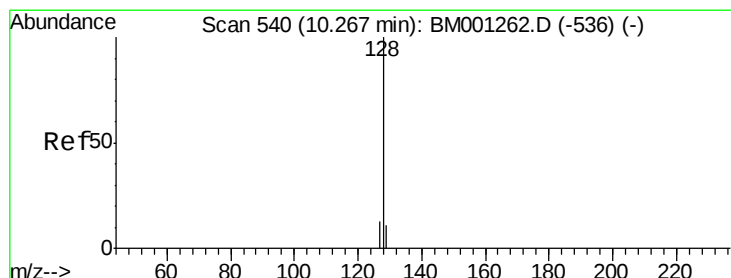
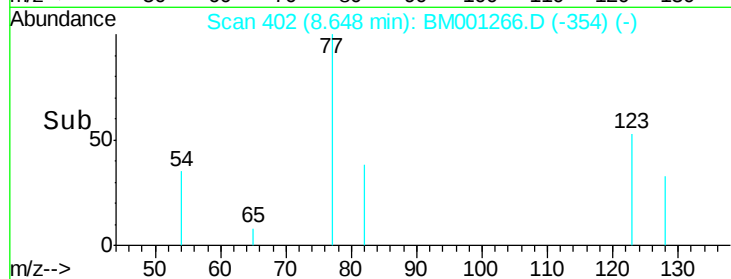
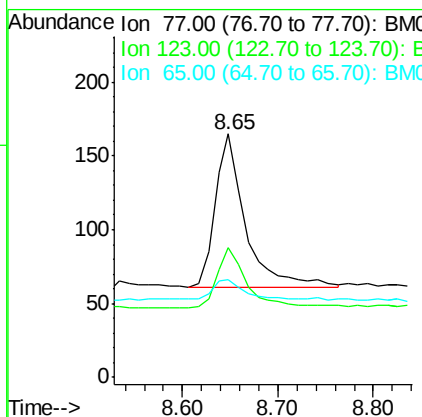
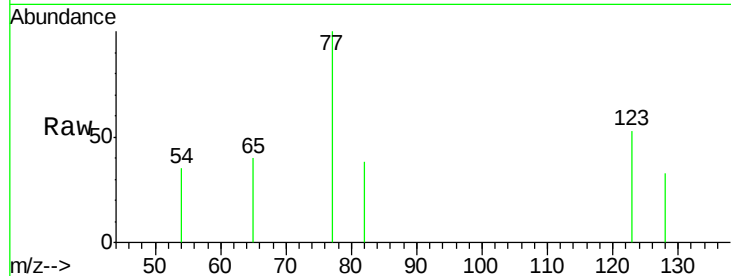
ClientSampleId :

SSTDICC0.1

Tgt Ion:	77	Resp:	230
Ion	Ratio	Lower	Upper
77	100		
123	40.0	33.4	50.2
65	12.2	10.6	15.8

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#9

Naphthalene

Concen: 0.10 ng

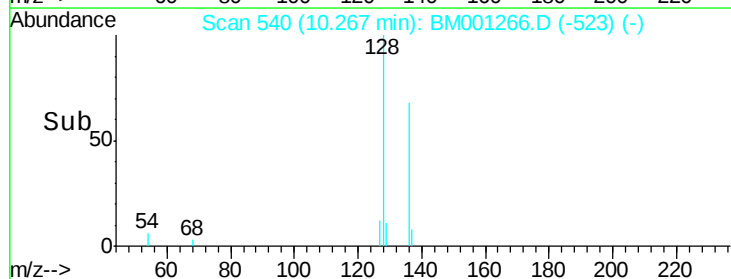
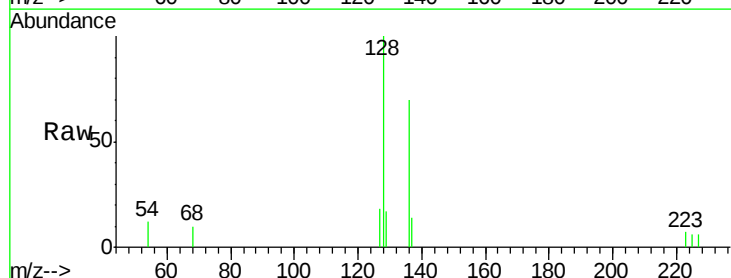
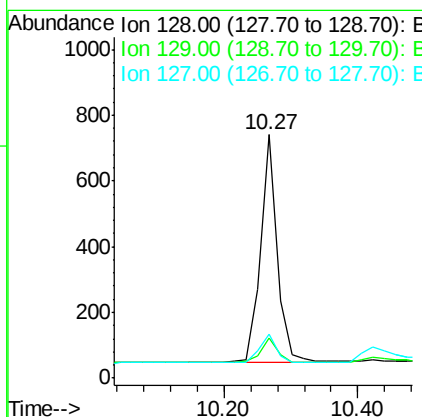
RT: 10.27 min Scan# 540

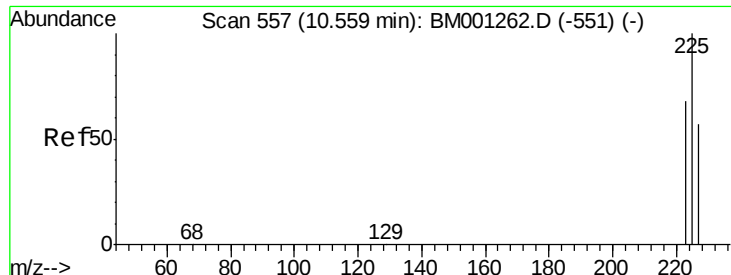
Delta R.T. -0.00 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

Tgt Ion:	128	Resp:	1194
Ion	Ratio	Lower	Upper
128	100		
129	16.7	9.1	13.7#
127	18.1	10.6	16.0#





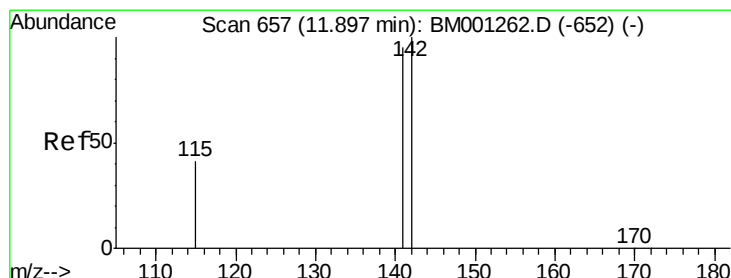
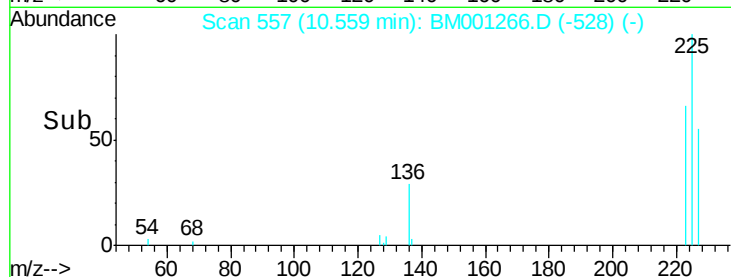
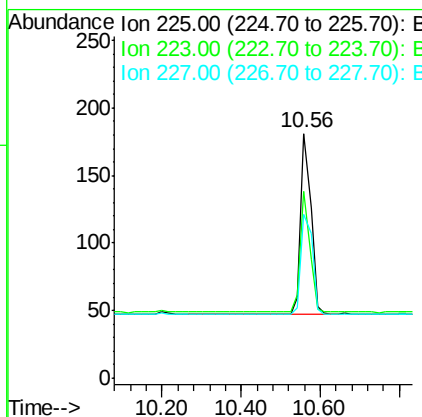
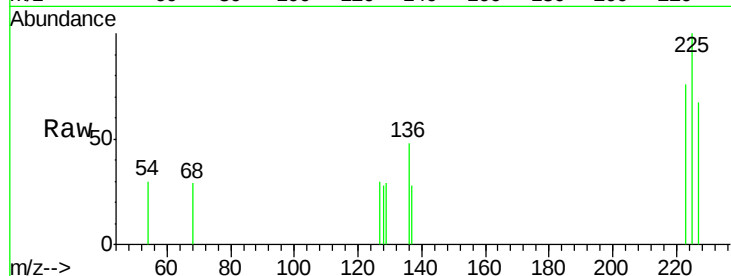
#10
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	49.6	74.4
227	61.3	51.4	77.2

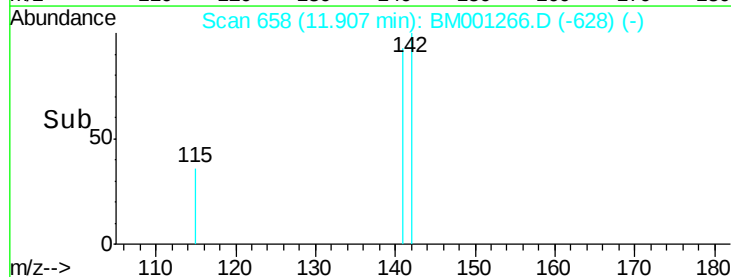
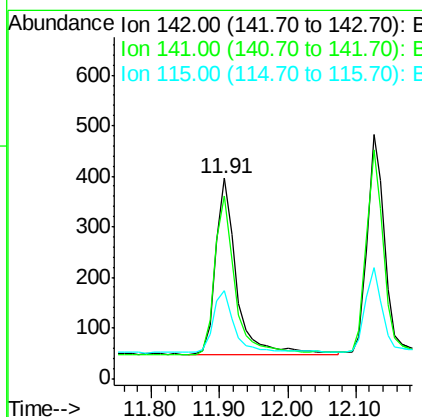
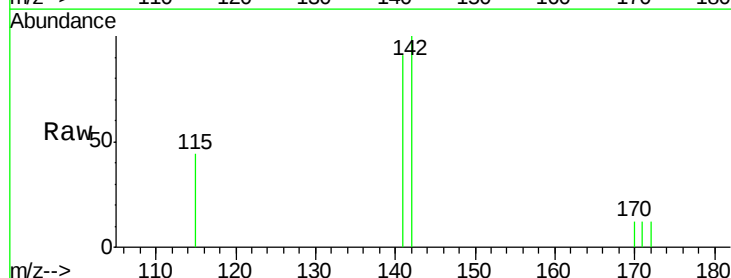
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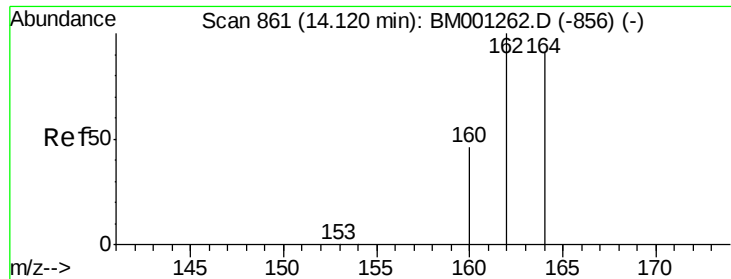
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#11
2-Methylnaphthalene
Concen: 0.09 ng
RT: 11.91 min Scan# 658
Delta R.T. 0.01 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	76.1	114.1
115	43.7	33.1	49.7





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.12 min Scan# 861

Delta R.T. -0.00 min

Lab File: BM001266.D

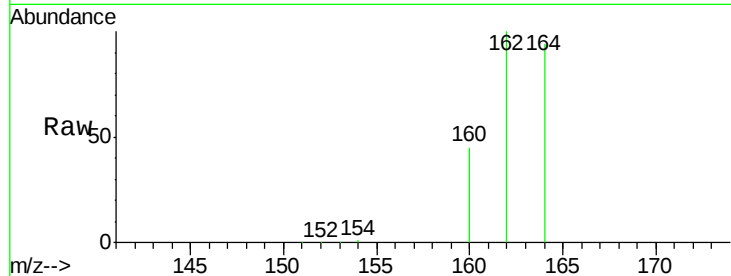
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

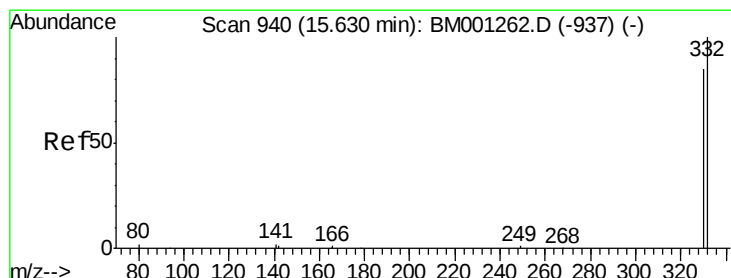
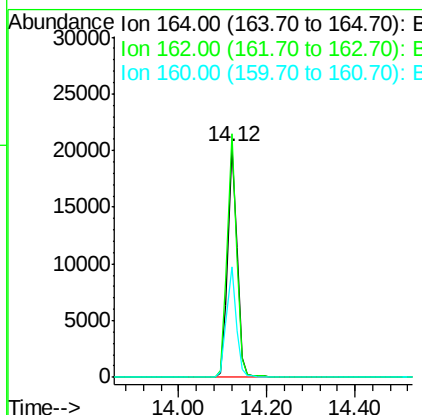
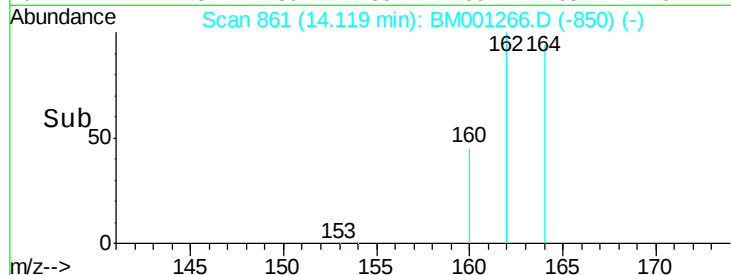
SSTDICC0.1



Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	87.9	131.9
160	47.9	40.9	61.3

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#13

2,4,6-Tribromophenol

Concen: 0.06 ng

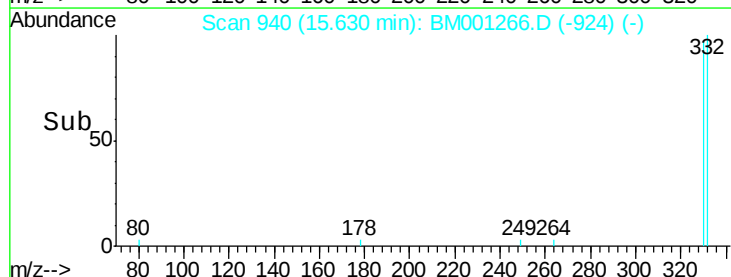
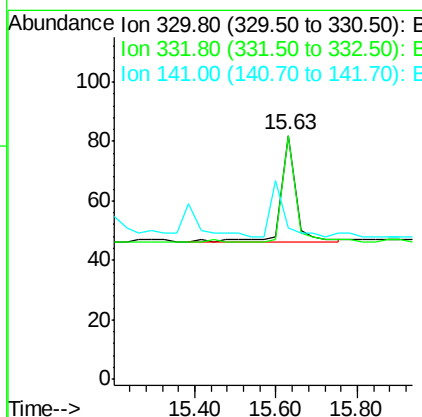
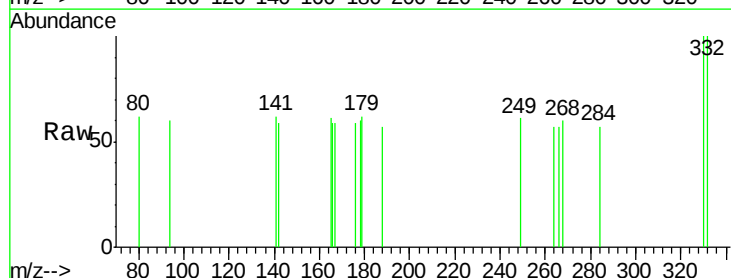
RT: 15.63 min Scan# 940

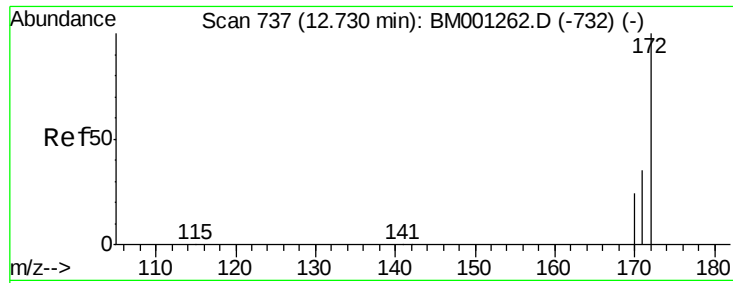
Delta R.T. -0.00 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.3	89.0	133.4#
141	0.0	0.0	0.0





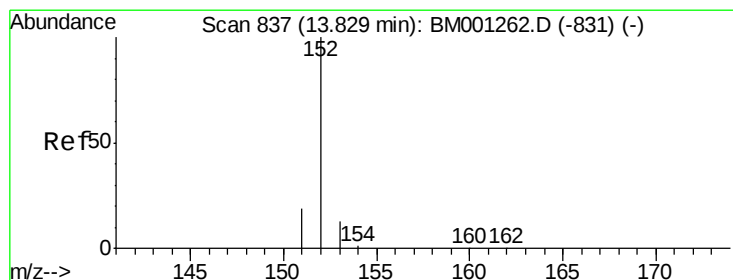
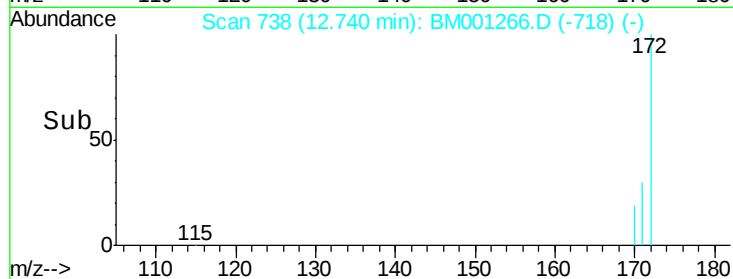
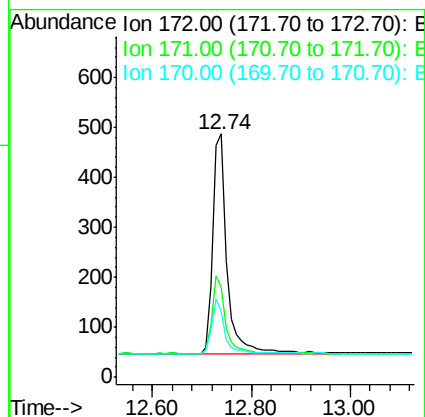
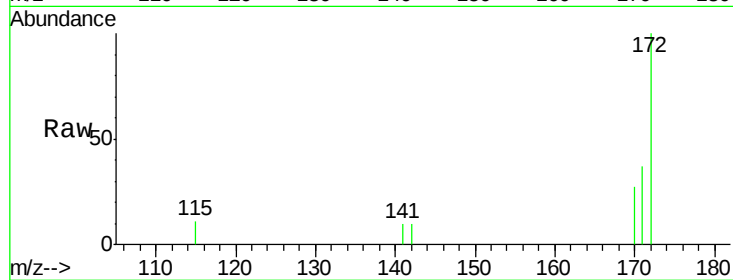
#14
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 12.74 min Scan# 738
Delta R.T. 0.01 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.7	43.1
170	26.9	19.5	29.3

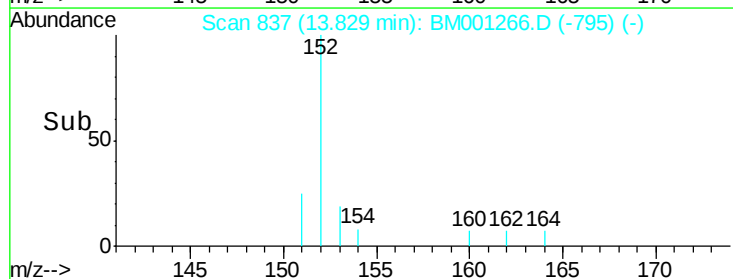
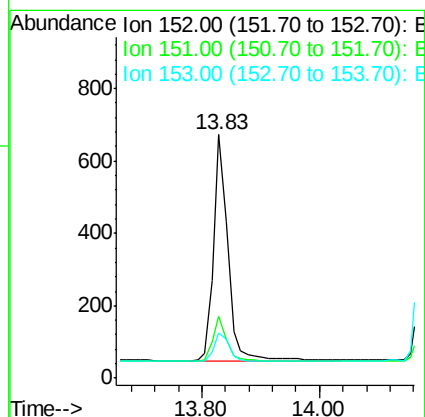
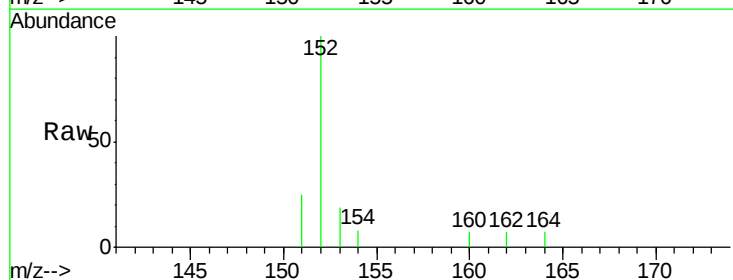
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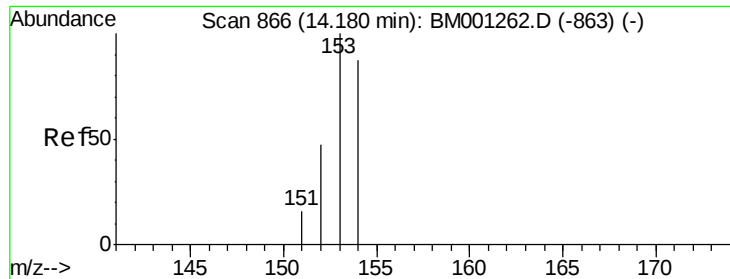
apatel
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#15
Acenaphthylene
Concen: 0.08 ng
RT: 13.83 min Scan# 837
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.4
153	12.3	10.1	15.1





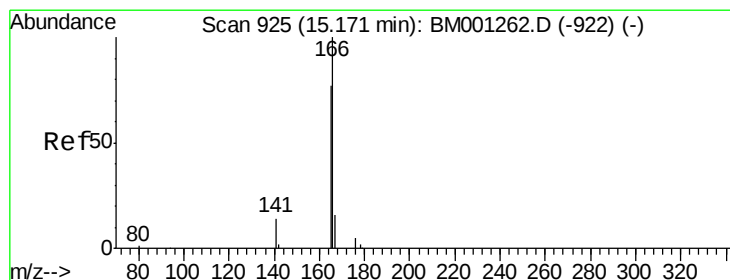
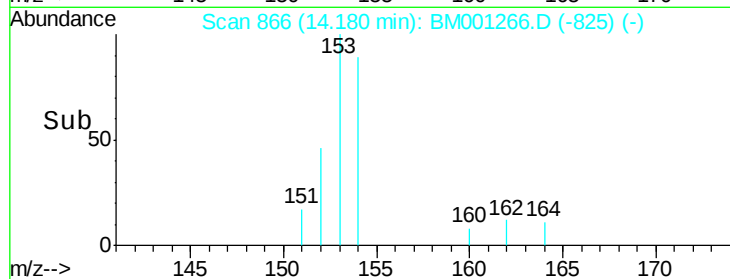
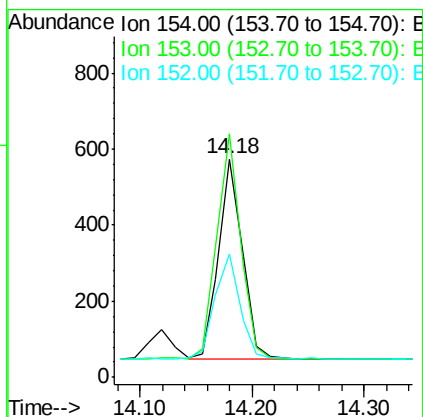
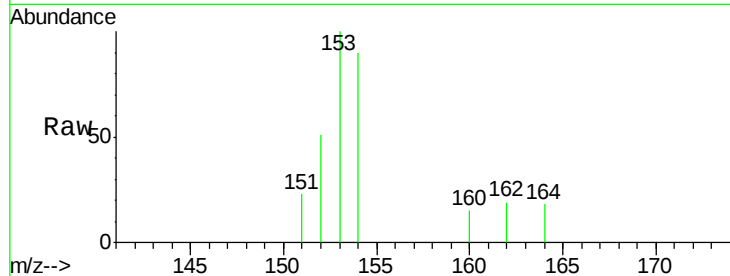
#16
Acenaphthene
Concen: 0.10 ng
RT: 14.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.4	137.2
152	57.1	44.3	66.5

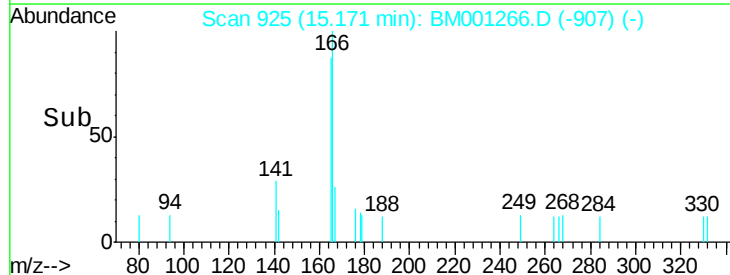
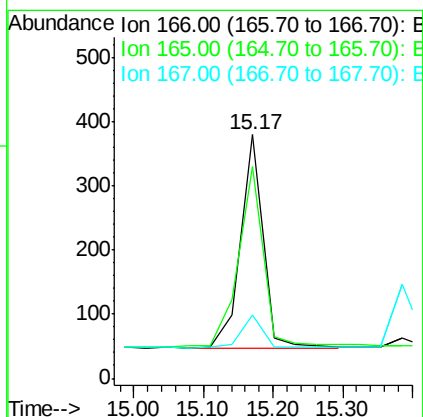
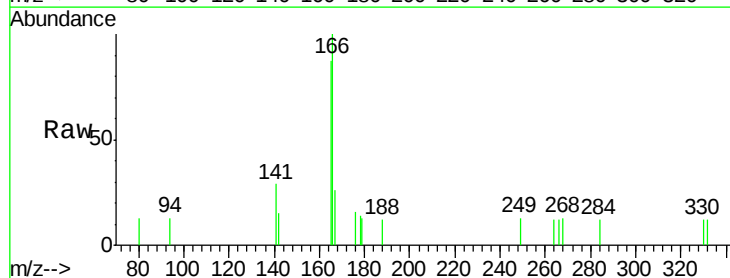
Manual Integrations
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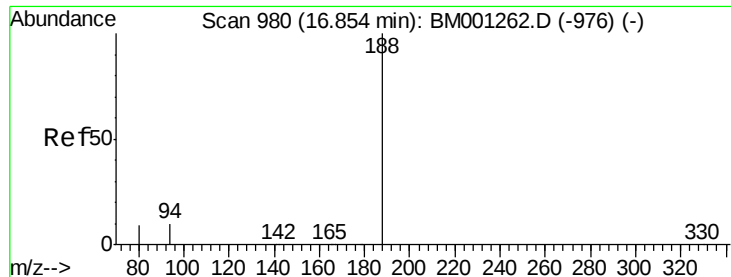
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#17
Fluorene
Concen: 0.06 ng
RT: 15.17 min Scan# 925
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.9	70.6	106.0#
167	15.6	11.3	16.9





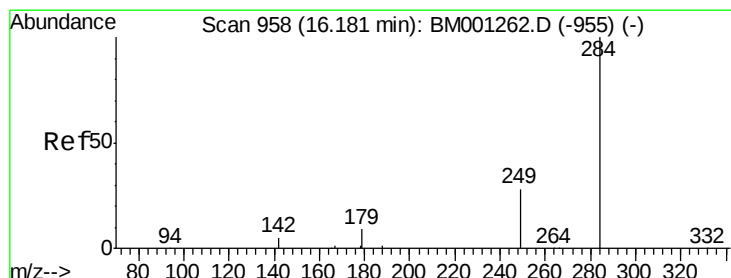
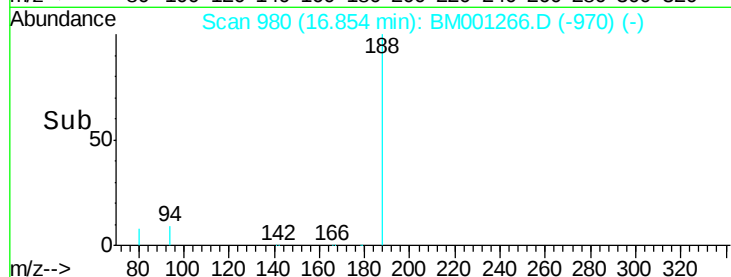
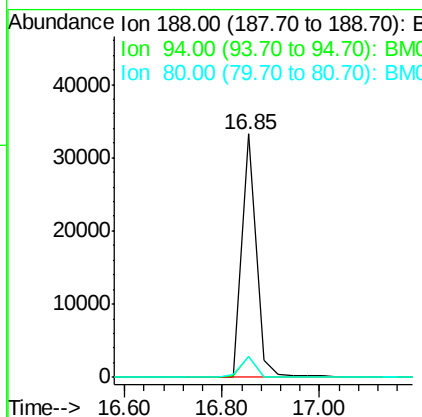
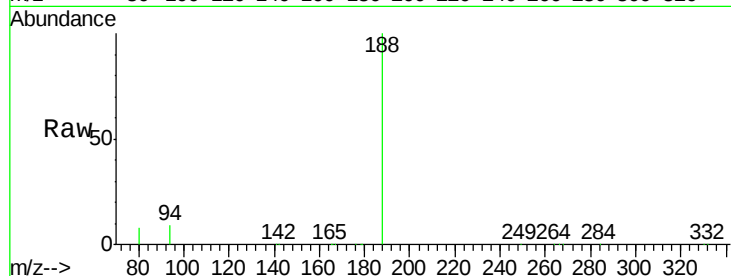
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tgt Ion:	188	Resp:	66878
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.8	11.8
80	8.4	7.5	11.3

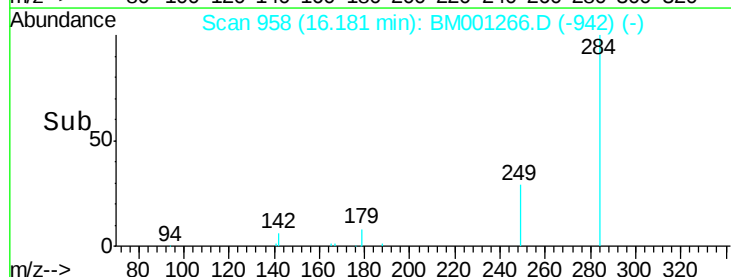
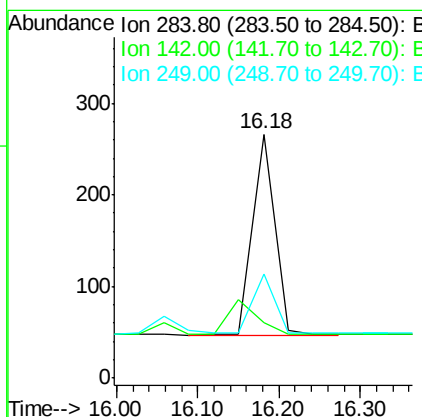
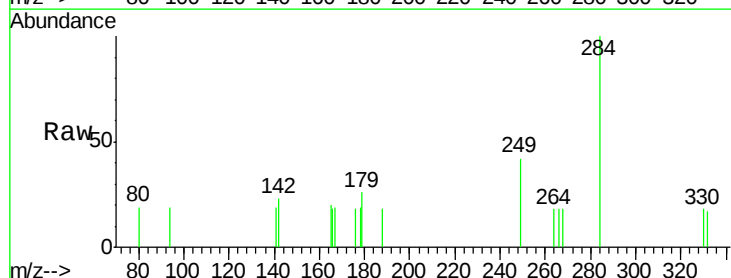
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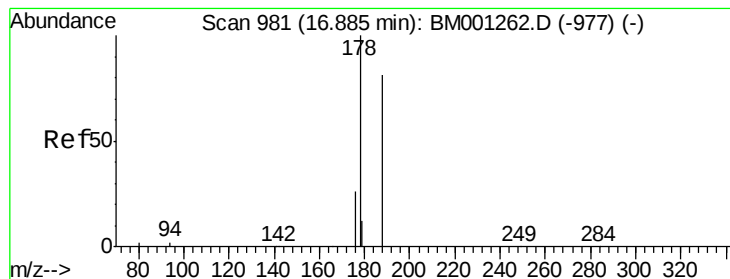
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#19
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.18 min Scan# 958
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion:	284	Resp:	419
Ion Ratio	Lower	Upper	
284	100		
142	0.0	0.0	0.0
249	29.4	22.7	34.1





#21

Phenanthrene

Concen: 0.04 ng

RT: 16.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM001266.D

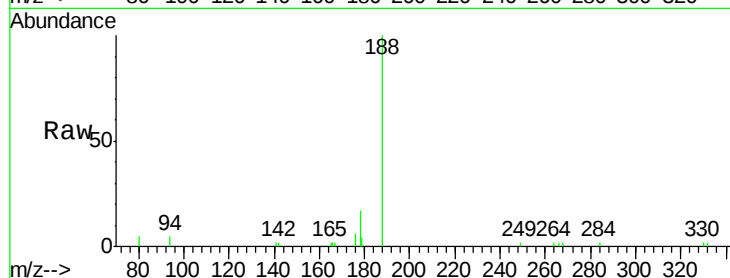
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1



Tgt Ion:178 Resp: 1083

Ion Ratio Lower Upper

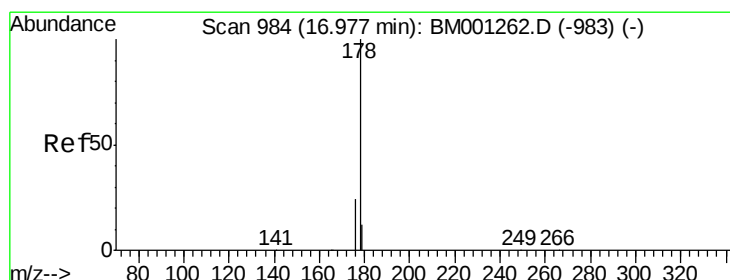
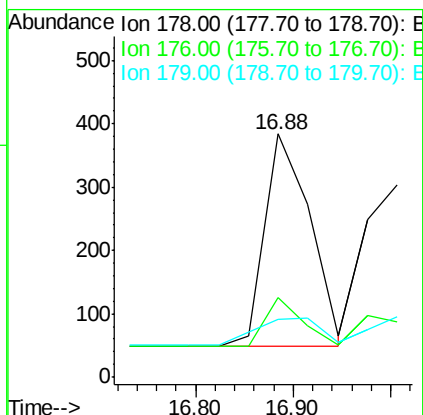
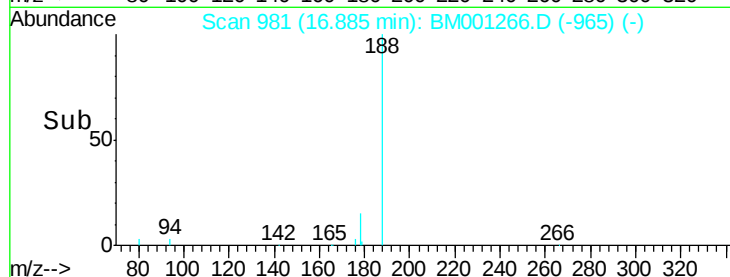
178 100

176 19.3 15.9 23.9

179 0.0 0.0 0.0

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#22

Anthracene

Concen: 0.05 ng

RT: 17.01 min Scan# 985

Delta R.T. 0.03 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

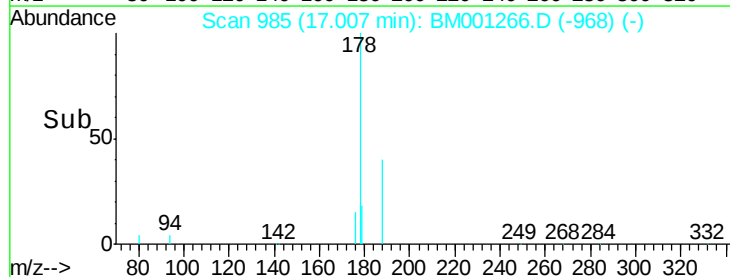
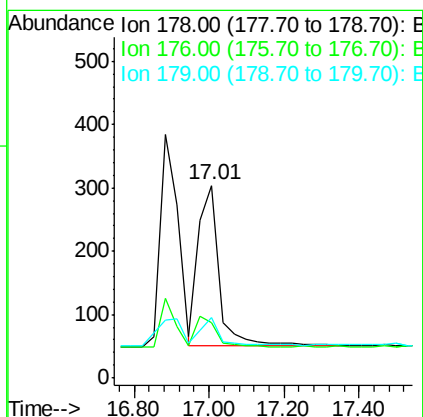
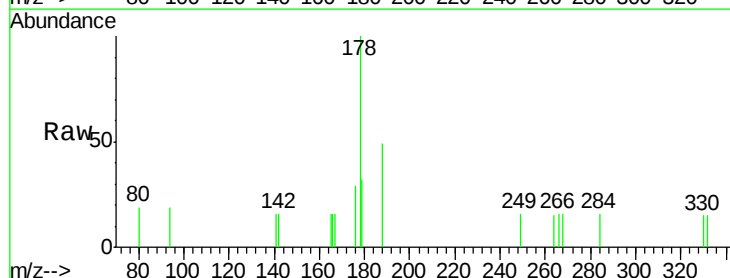
Tgt Ion:178 Resp: 992

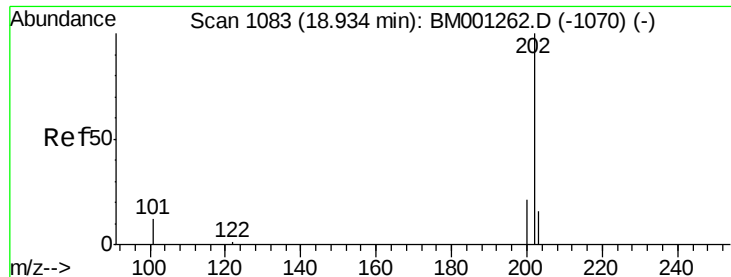
Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

179 16.1 0.0 0.0#





#23

Fluoranthene

Concen: 0.06 ng

RT: 18.93 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BM001266.D

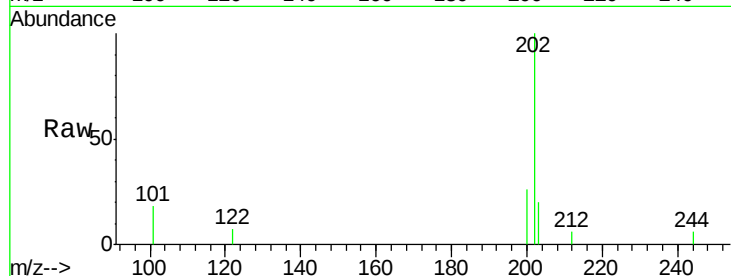
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

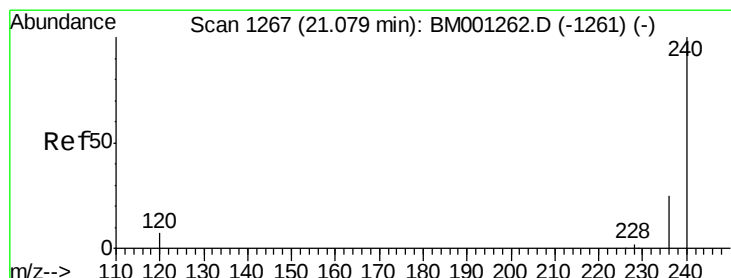
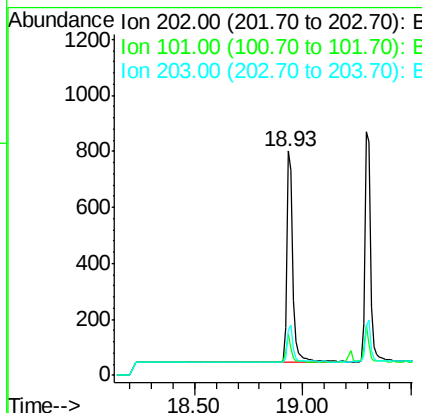
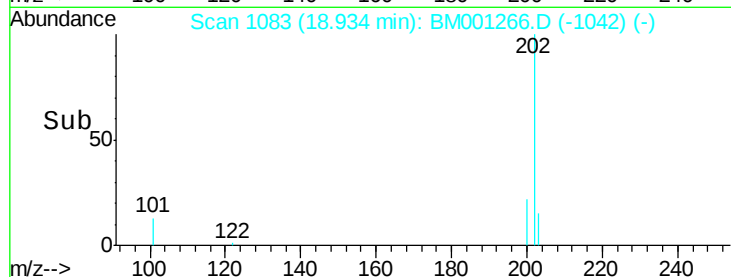
SSTDICC0.1



Tgt Ion:	202	Resp:	1456
Ion Ratio	Lower	Upper	
202	100		
101	11.1	9.1	13.7
203	17.3	13.8	20.6

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#24

Chrysene-d12

Concen: 5.00 ng

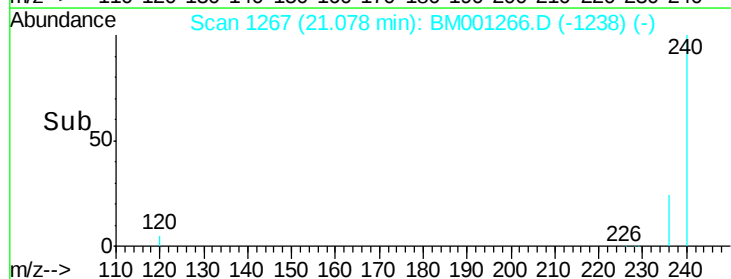
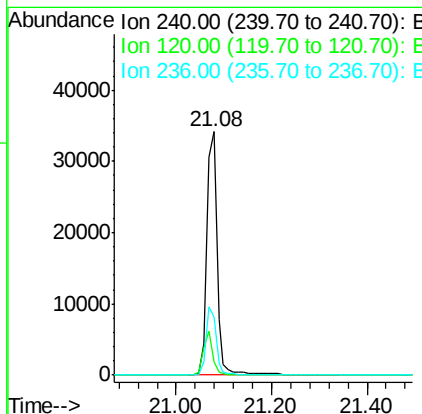
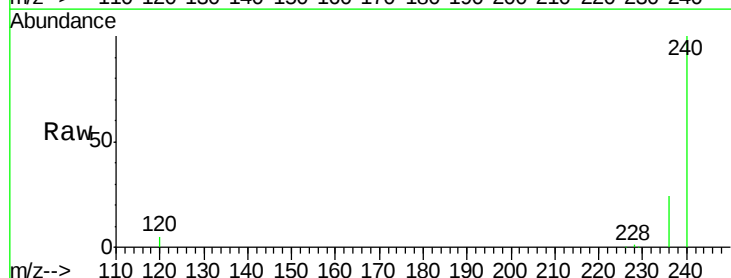
RT: 21.08 min Scan# 1267

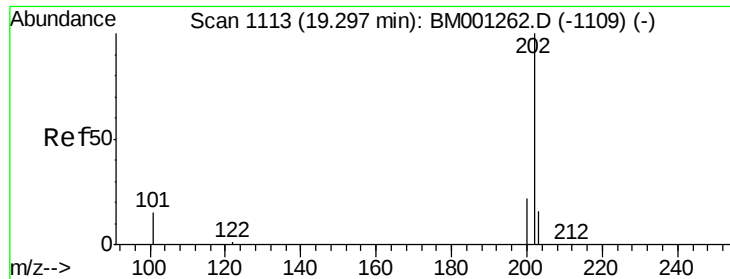
Delta R.T. -0.00 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

Tgt Ion:	240	Resp:	51201
Ion Ratio	Lower	Upper	
240	100		
120	5.5	5.5	8.3#
236	24.0	20.4	30.6





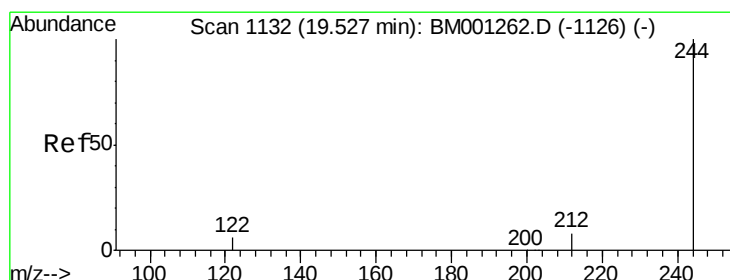
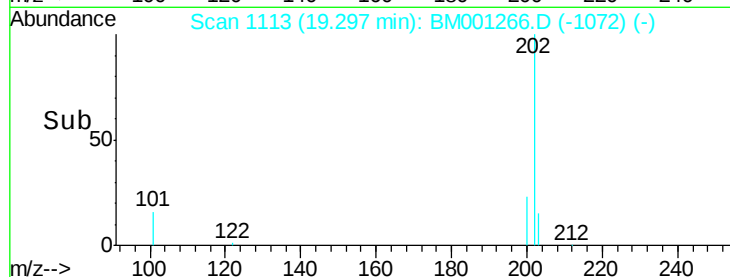
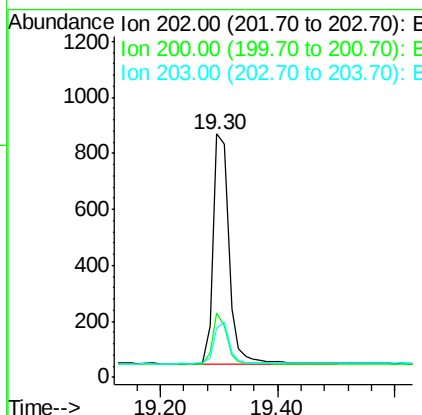
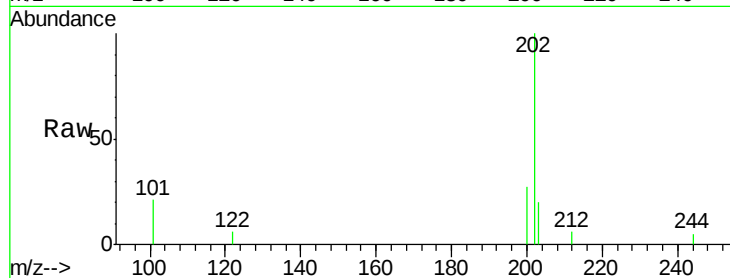
#25
 Pyrene
 Concen: 0.09 ng
 RT: 19.30 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BM001266.D
 Acq: 13 May 2015 00:18

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Tgt Ion:	202	Resp:	1517
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.4	24.6
203	17.7	13.9	20.9

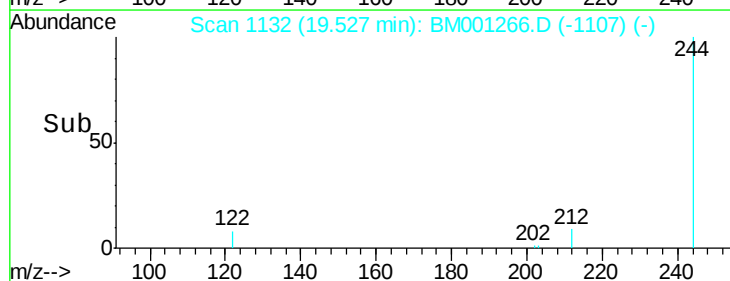
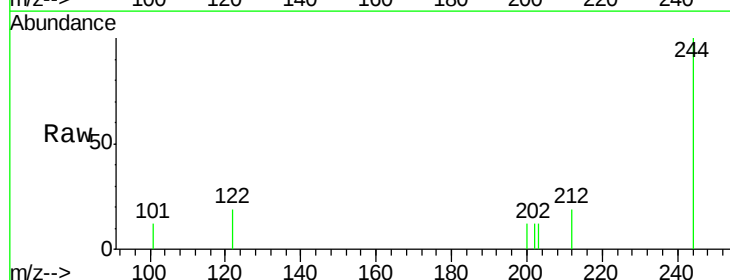
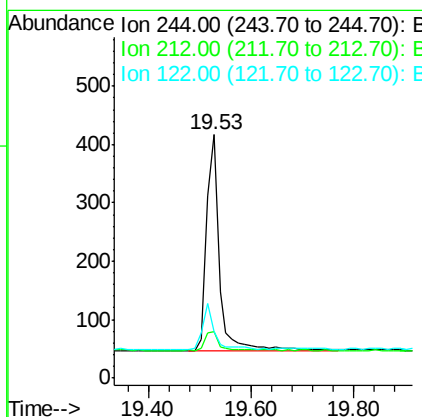
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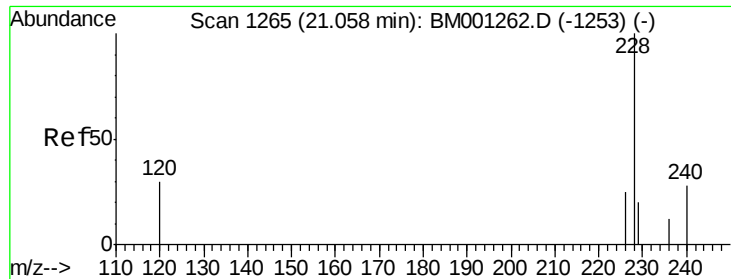
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#26
 Terphenyl-d14
 Concen: 0.09 ng
 RT: 19.53 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BM001266.D
 Acq: 13 May 2015 00:18

Tgt Ion:	244	Resp:	658
Ion Ratio	Lower	Upper	
244	100		
212	18.9	7.2	10.8#
122	18.9	5.6	8.4#





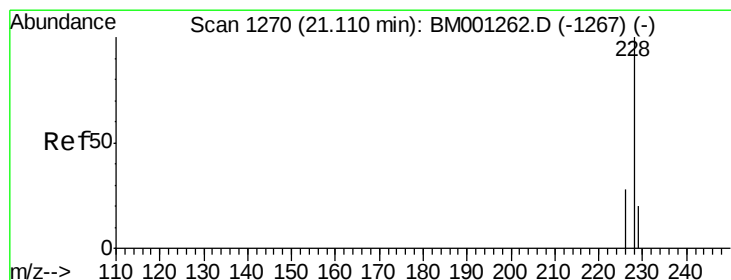
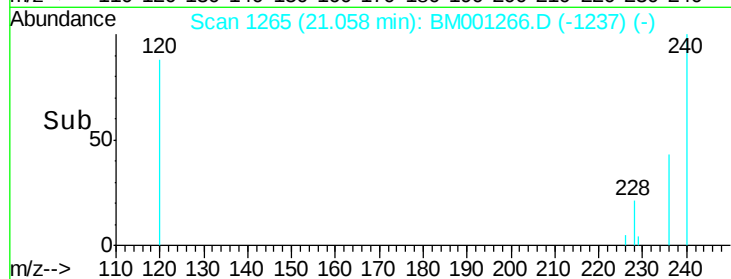
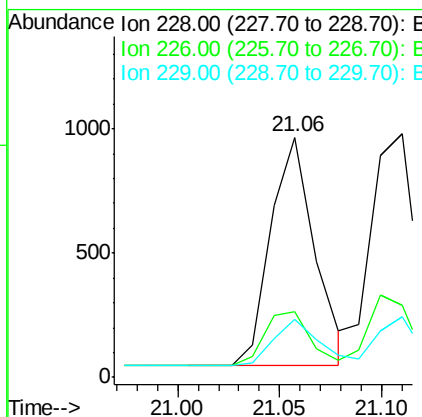
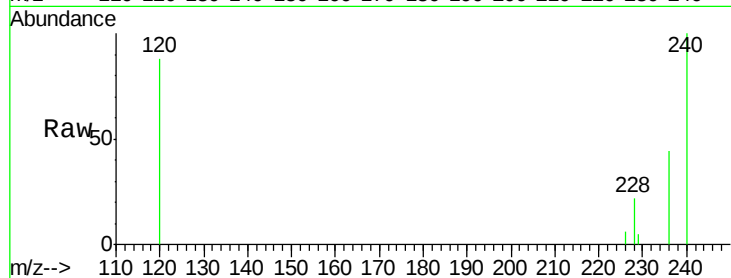
#27
Benzo(a)anthracene
Concen: 0.10 ng
RT: 21.06 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.5	30.7
229	24.5	16.2	24.4

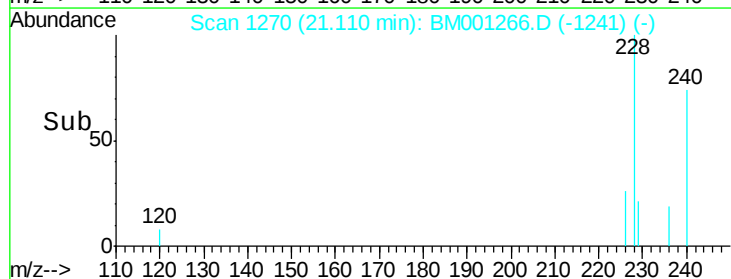
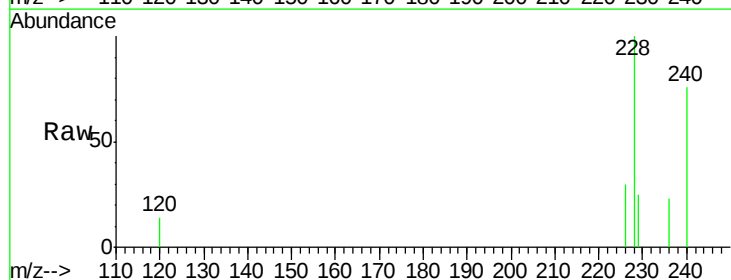
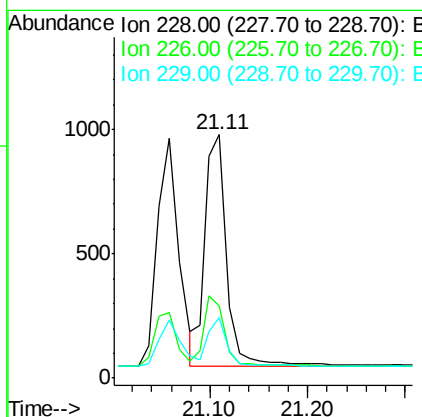
Manual Integrations
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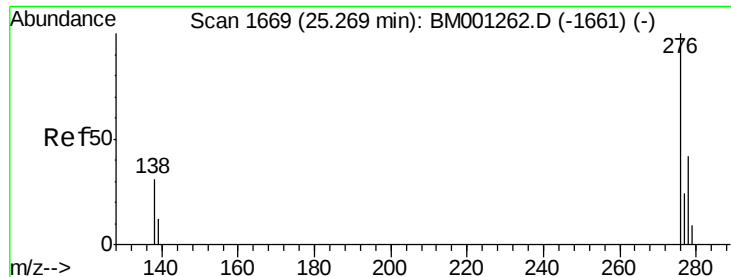
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#28
Chrysene
Concen: 0.11 ng m
RT: 21.11 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.2
229	25.0	16.5	24.7





#29

Indeno(1,2,3-cd)pyrene

Concen: 0.13 ng

RT: 25.28 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BM001266.D

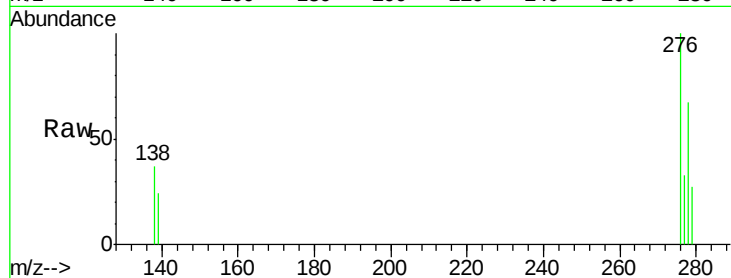
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.1



Tgt Ion: 276 Resp: 1454

Ion Ratio Lower Upper

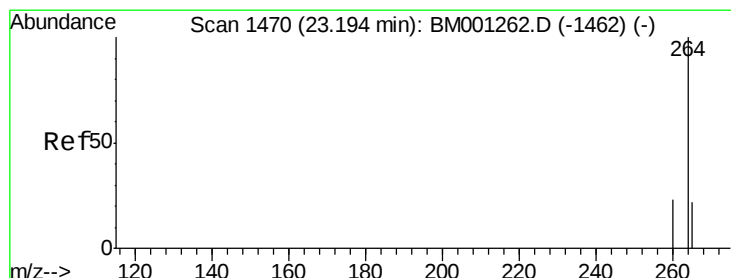
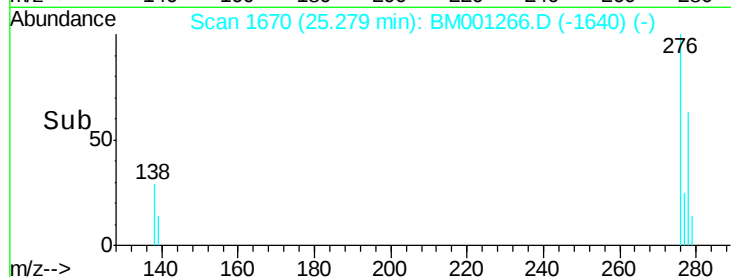
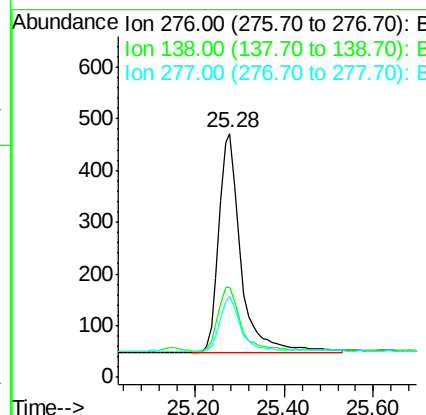
276 100

138 30.2 24.9 37.3

277 23.0 19.5 29.3

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#30

Perylene-d12

Concen: 5.00 ng

RT: 23.18 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

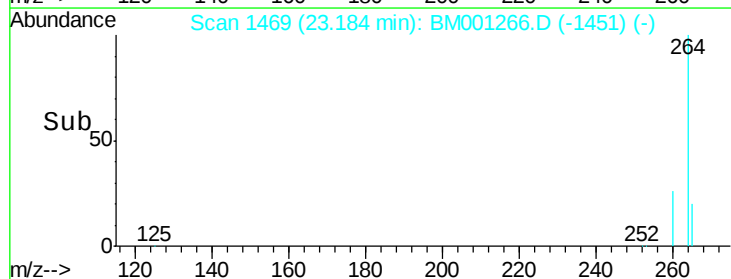
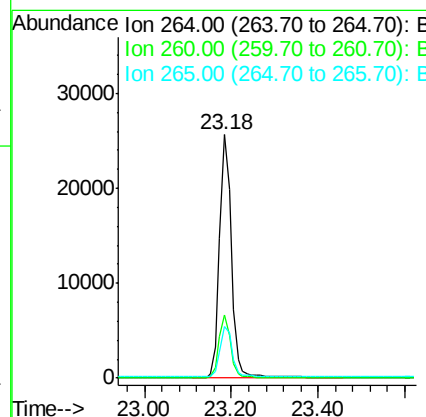
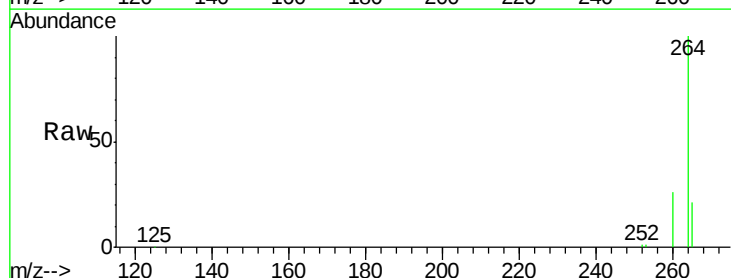
Tgt Ion: 264 Resp: 47516

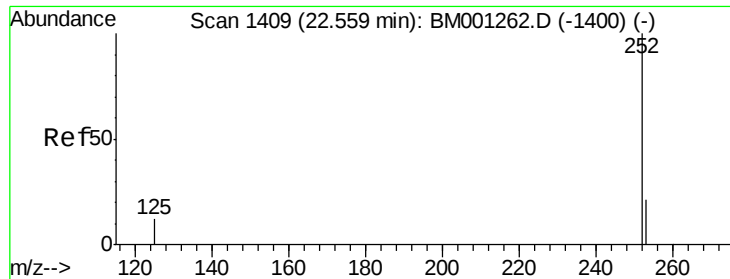
Ion Ratio Lower Upper

264 100

260 25.8 18.9 28.3

265 21.1 18.1 27.1





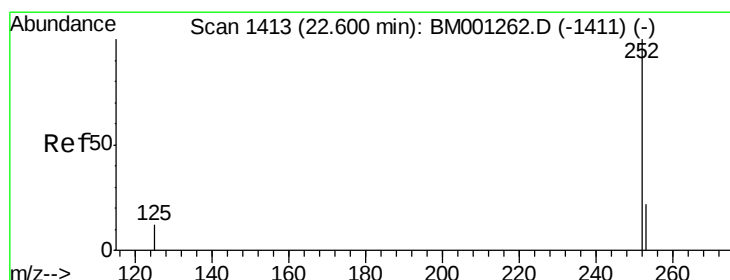
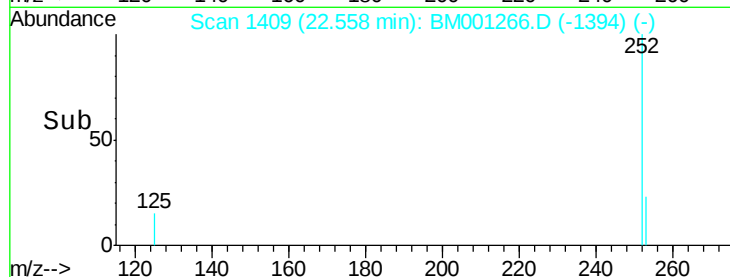
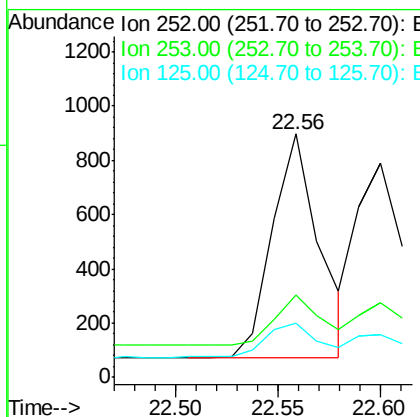
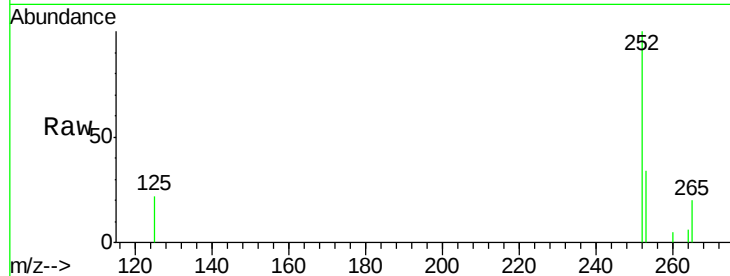
#31
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.56 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.9	17.8	26.6#
125	22.3	10.4	15.6#

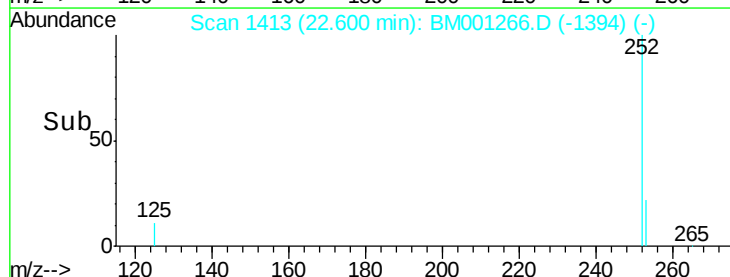
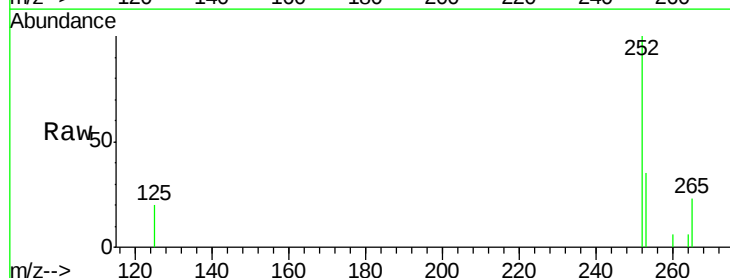
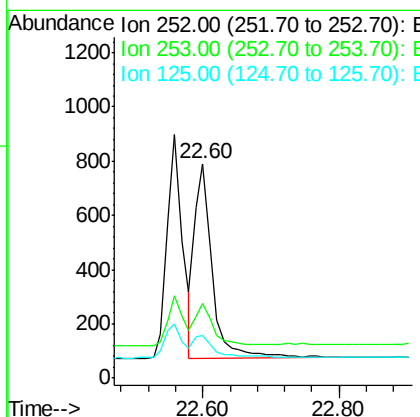
Manual Integrations
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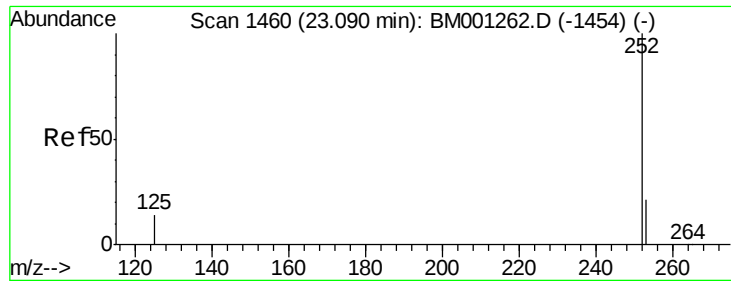
apatel
5/13/2015 4:55:00 PM



#32
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 22.60 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BM001266.D
Acq: 13 May 2015 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.8	18.6	27.8#
125	19.7	10.2	15.4#





#33

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.09 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BM001266.D

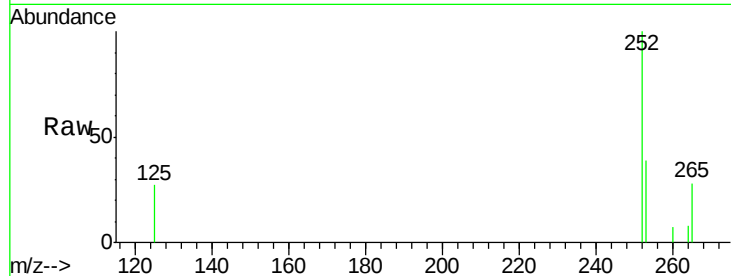
Acq: 13 May 2015 00:18

Instrument :

BNA_M

ClientSampleId :

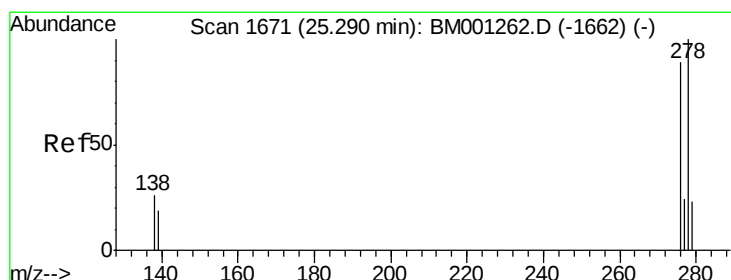
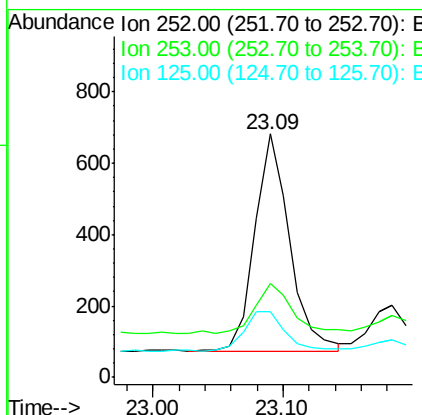
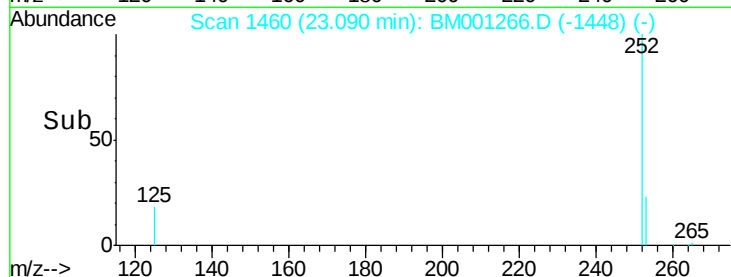
SSTDICC0.1



Tgt Ion:	252	Resp:	1125
Ion Ratio	Lower	Upper	
252	100		
253	38.9	18.3	27.5#
125	27.3	12.2	18.2#

Manual Integrations
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#34

Dibenzo(a,h)anthracene

Concen: 0.10 ng

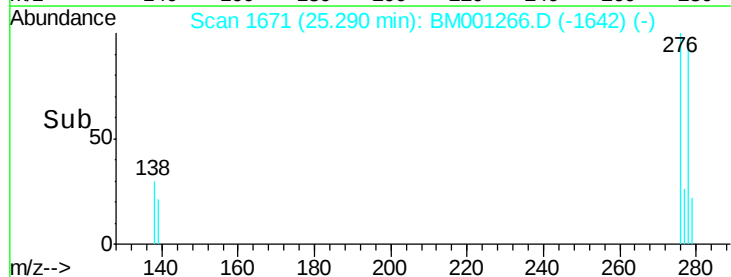
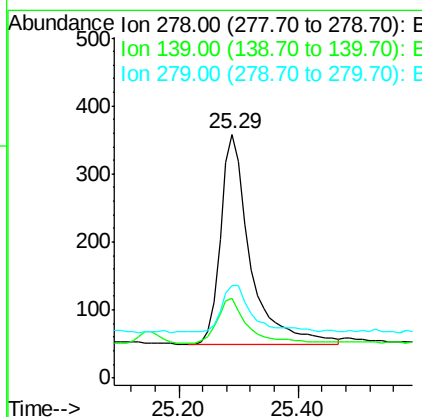
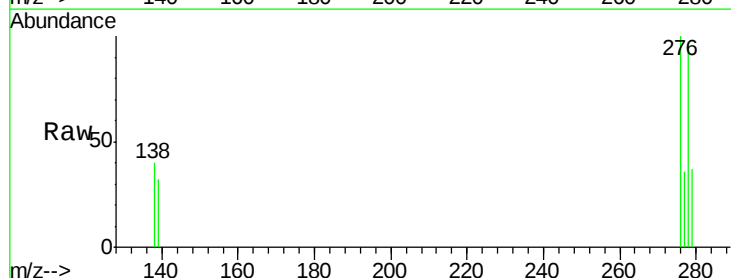
RT: 25.29 min Scan# 1671

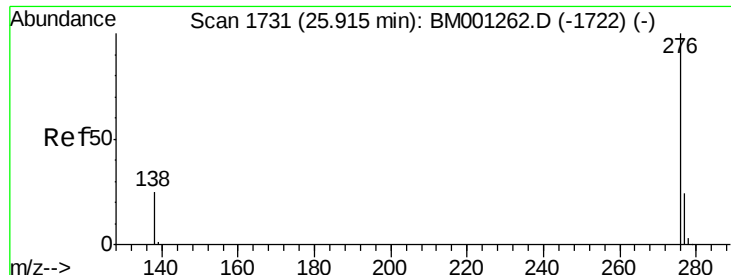
Delta R.T. -0.00 min

Lab File: BM001266.D

Acq: 13 May 2015 00:18

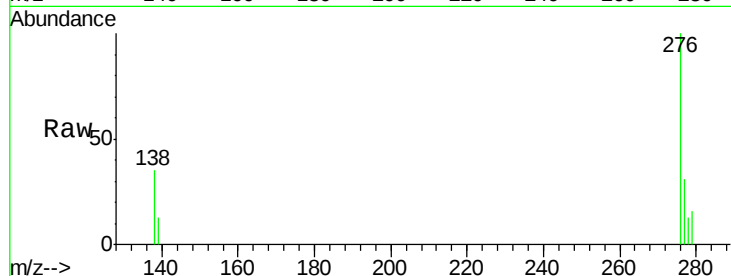
Tgt Ion:	278	Resp:	1059
Ion Ratio	Lower	Upper	
278	100		
139	33.0	16.6	24.8#
279	38.0	20.0	30.0#





#35
 Benzo(g,h,i)perylene
 Concen: 0.12 ng
 RT: 25.90 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BM001266.D
 Acq: 13 May 2015 00:18

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1



Tgt	Ion	276	Resp:	1266
	Ion	Ratio	Lower	Upper
276	100			
277	30.9	19.9	29.9#	
138	35.0	21.0	31.4#	

Manual Integrations
 APPROVED

apatel
 5/13/2015 4:55:00 PM

