

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051315\
 Data File : BM001272.D
 Acq On : 13 May 2015 03:52
 Operator : TP/IZ
 Sample : G2183-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(7-8)MSD

Manual Integrations
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Quant Time: May 13 06:42:33 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 05:24:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	15002	5.00	ng	0.00
6) Naphthalene-d8	10.22	136	52901	5.00	ng	0.00
12) Acenaphthene-d10	14.12	164	27541	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	65963	5.00	ng	0.00
24) Chrysene-d12	21.07	240	49607	5.00	ng	-0.01
30) Perylene-d12	23.18	264	45964	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	22109	7.57	ng	0.00
5) Phenol-d6	6.63	99	28517	8.65	ng	0.00
7) Nitrobenzene-d5	8.60	82	17647	5.28	ng	0.00
13) 2,4,6-Tribromophenol	15.63	330	6955	7.38	ng	0.00
14) 2-Fluorobiphenyl	12.73	172	48245	5.64	ng	0.00
26) Terphenyl-d14	19.51	244	36029	5.41	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.92	88	6441	5.18	ng	# 63
3) n-Nitrosodimethylamine	3.23	42	8749	5.15	ng	# 99
8) Nitrobenzene	8.64	77	19948	5.56	ng	97
9) Naphthalene	10.27	128	61061	5.42	ng	98
10) Hexachlorobutadiene	10.56	225	11688	5.31	ng	99
11) 2-Methylnaphthalene	11.90	142	40170	5.49	ng	95
15) Acenaphthylene	13.83	152	69325	6.11	ng	99
16) Acenaphthene	14.18	154	39930	5.50	ng	97
17) Fluorene	15.17	166	31423	4.78	ng	# 18
19) Hexachlorobenzene	16.18	284	23150	5.45	ng	# 96
20) Pentachlorophenol	16.52	266	15918	12.62	ng	89
21) Phenanthrene	16.88	178	49759	4.96	ng	# 98
22) Anthracene	16.98	178	53905	5.52	ng	# 96
23) Fluoranthene	18.93	202	84965	5.40	ng	99
25) Pyrene	19.30	202	89231	5.82	ng	99
27) Benzo(a)anthracene	21.05	228	79666	5.92	ng	91
28) Chrysene	21.10	228	78341m	5.74	ng	
29) Indeno(1,2,3-cd)pyrene	25.27	276	83874	6.05	ng	99
31) Benzo(b)fluoranthene	22.56	252	85570	6.35	ng	97
32) Benzo(k)fluoranthene	22.59	252	67345	5.26	ng	95
33) Benzo(a)pyrene	23.09	252	73438	6.30	ng	97
34) Dibenzo(a,h)anthracene	25.28	278	67299	6.14	ng	98
35) Benzo(g,h,i)perylene	25.90	276	71900	5.98	ng	97

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

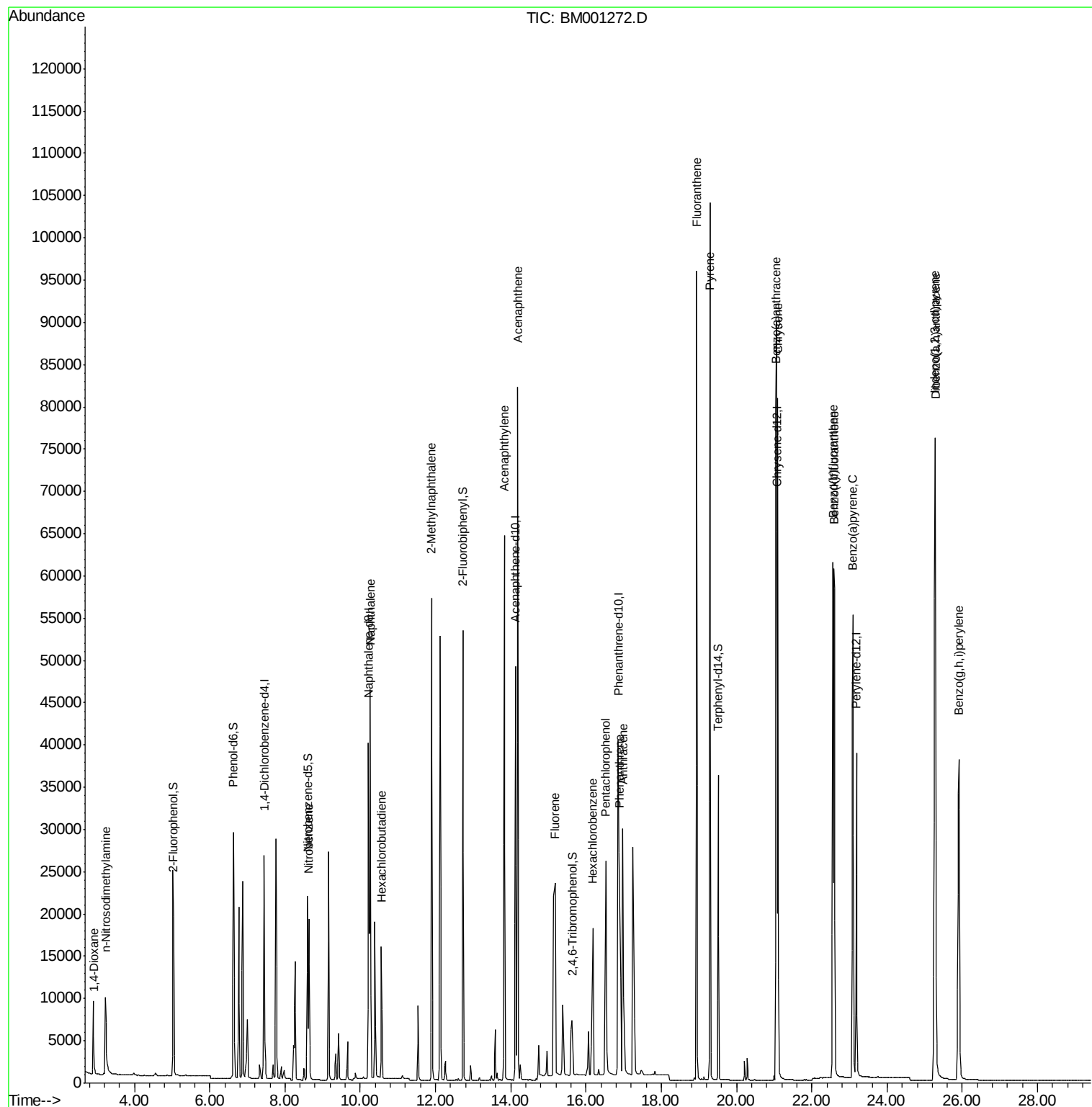
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.45 min Scan# 309

Delta R.T. -0.00 min

Lab File: BM001272.D

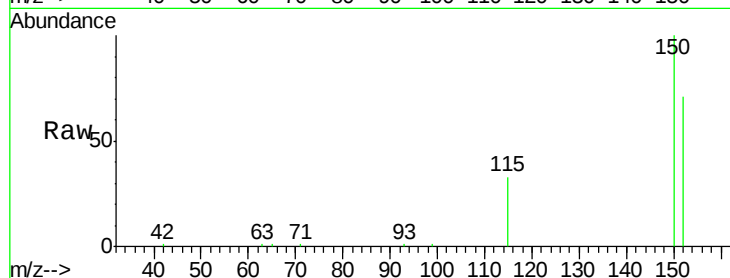
Acq: 13 May 2015 03:52

Instrument :

BNA_M

ClientSampleId :

SB-1(7-8)MSD



Tgt Ion: 152 Resp: 15002

Ion Ratio Lower Upper

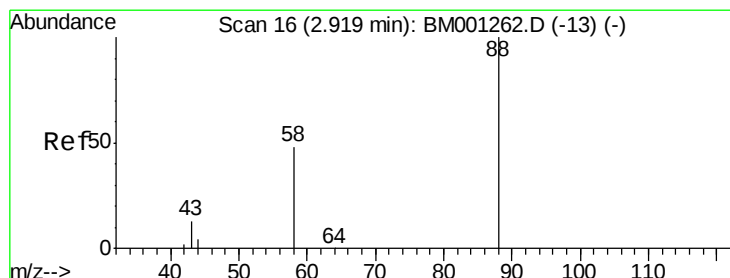
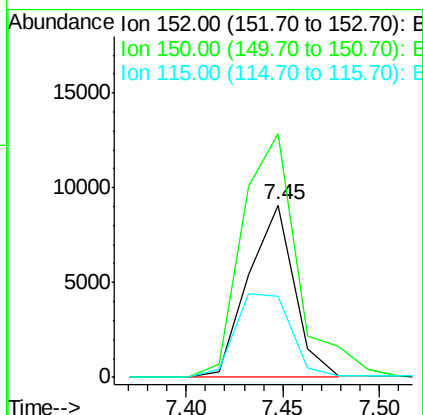
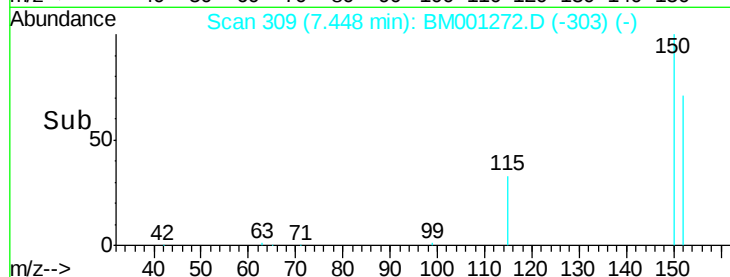
152 100

150 141.4 114.6 172.0

115 47.3 39.3 58.9

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#2

1,4-Dioxane

Concen: 5.18 ng

RT: 2.92 min Scan# 16

Delta R.T. 0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

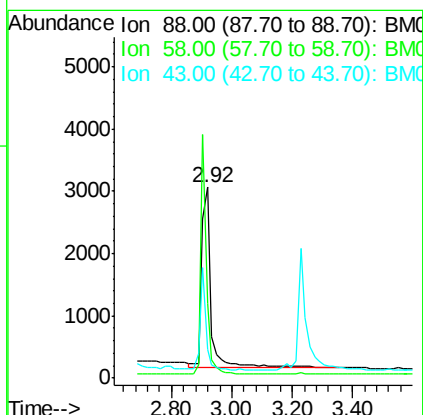
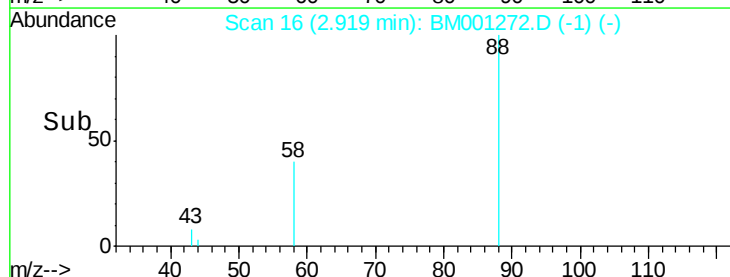
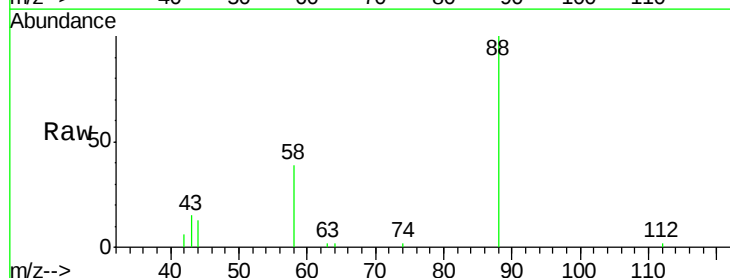
Tgt Ion: 88 Resp: 6441

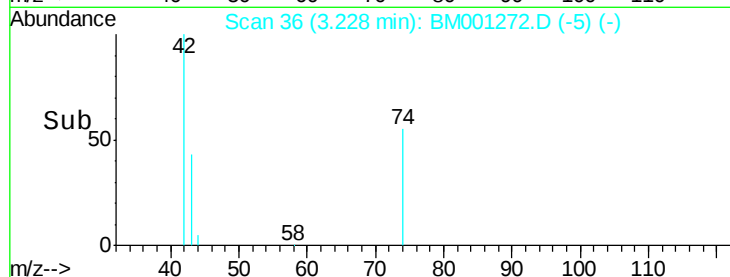
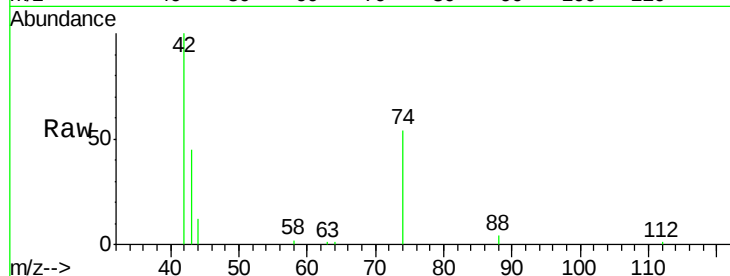
Ion Ratio Lower Upper

88 100

58 80.9 39.0 58.6#

43 33.8 20.2 30.2#





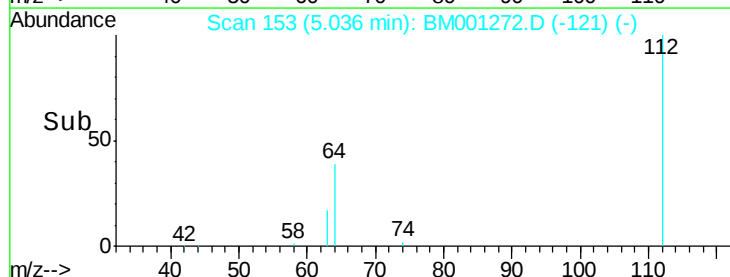
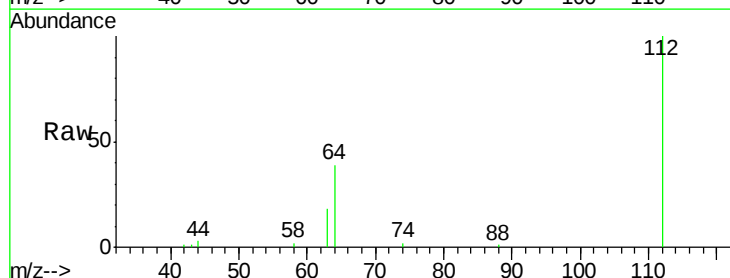
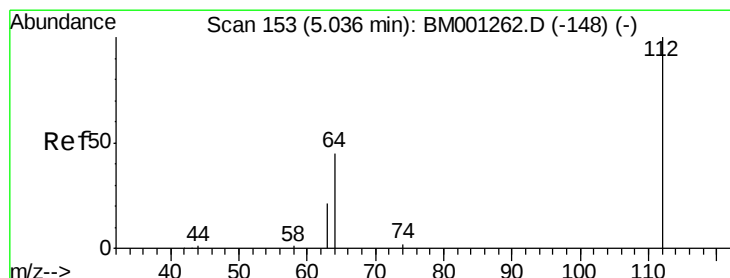
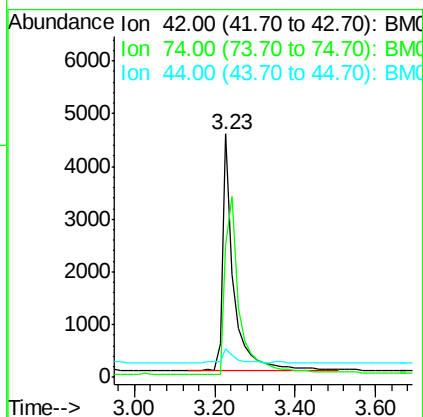
#3
n-Nitrosodimethylamine
Concen: 5.15 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.3	82.1	123.1
44	6.7	3.0	4.4#

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

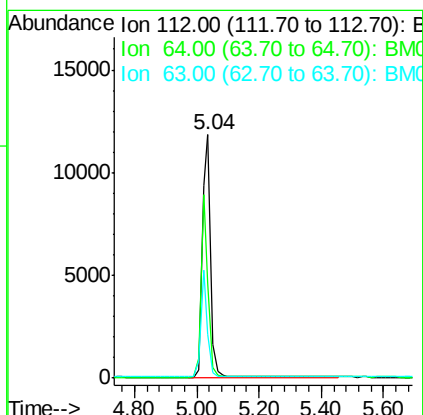
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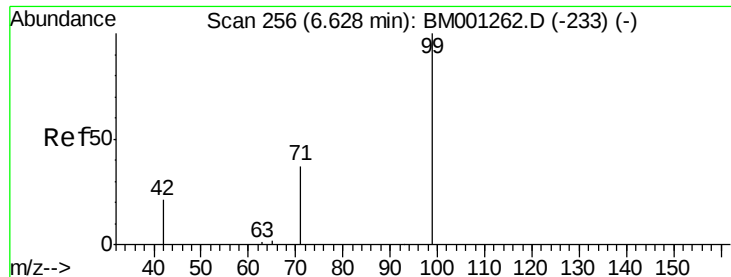
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#4
2-Fluorophenol
Concen: 7.57 ng
RT: 5.04 min Scan# 153
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.8	76.2
63	35.3	28.2	42.4





#5

Phenol-d6

Concen: 8.65 ng

RT: 6.63 min Scan# 256

Delta R.T. -0.00 min

Lab File: BM001272.D

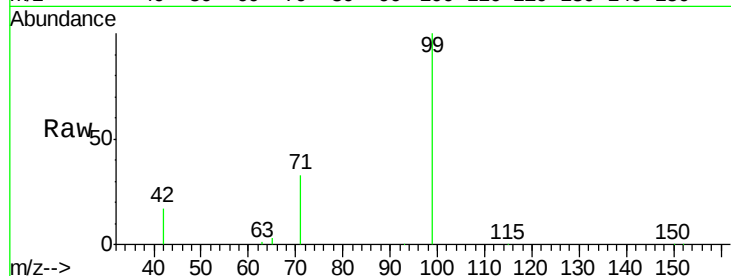
Acq: 13 May 2015 03:52

Instrument :

BNA_M

ClientSampleId :

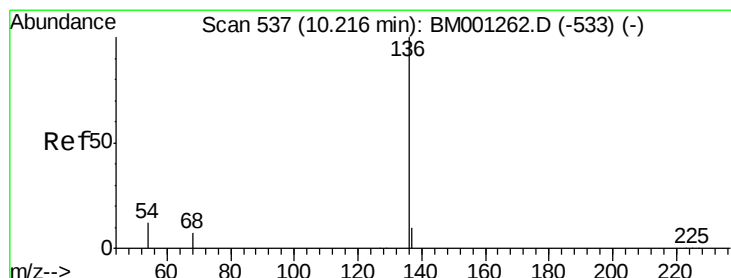
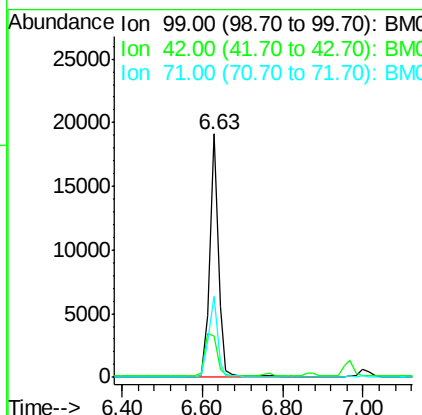
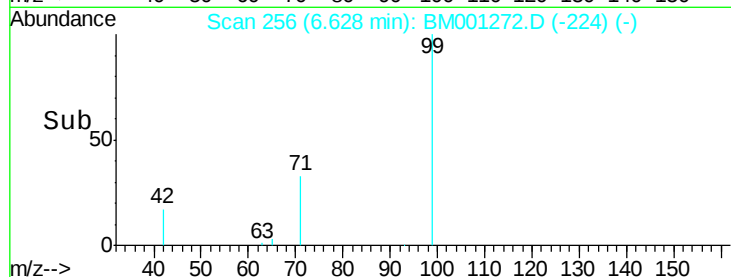
SB-1(7-8)MSD



Tgt Ion:	99	Resp:	28517
Ion Ratio	Lower	Upper	
99	100		
42	24.5	19.9	29.9
71	34.7	28.0	42.0

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#6

Naphthalene-d8

Concen: 5.00 ng

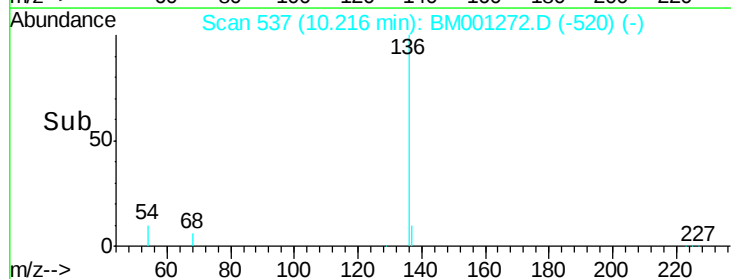
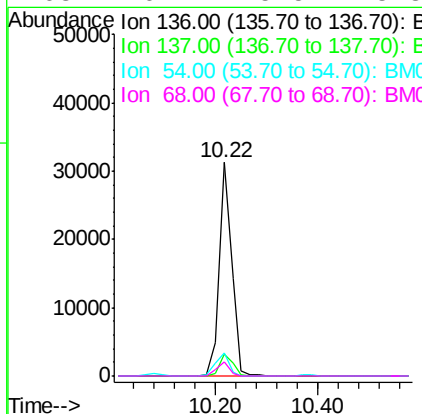
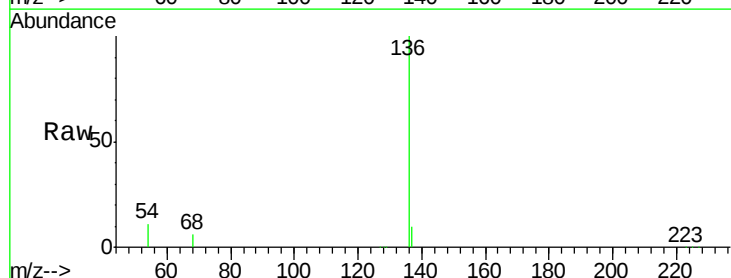
RT: 10.22 min Scan# 537

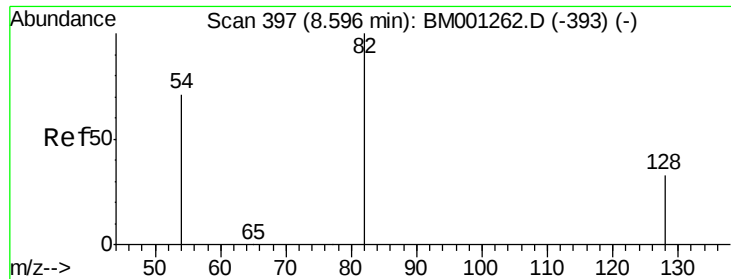
Delta R.T. -0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Tgt Ion:	136	Resp:	52901
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.4
54	10.6	9.5	14.3
68	6.4	5.5	8.3





#7

Nitrobenzene-d5

Concen: 5.28 ng

RT: 8.60 min Scan# 397

Delta R.T. 0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Instrument :

BNA_M

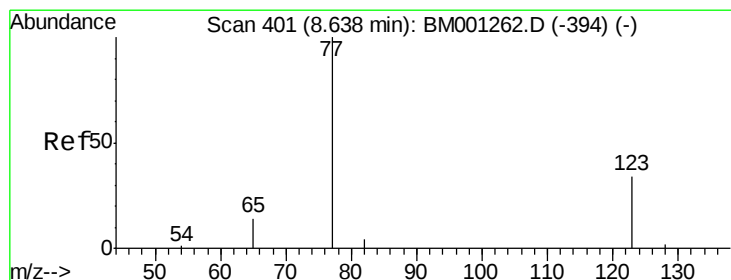
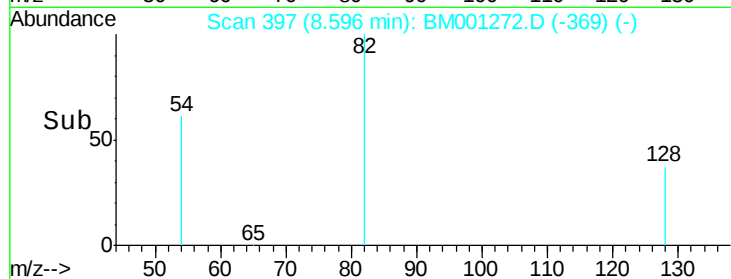
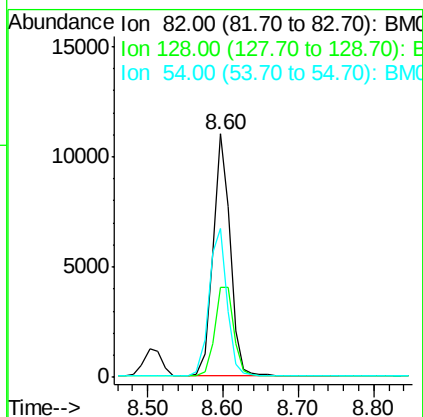
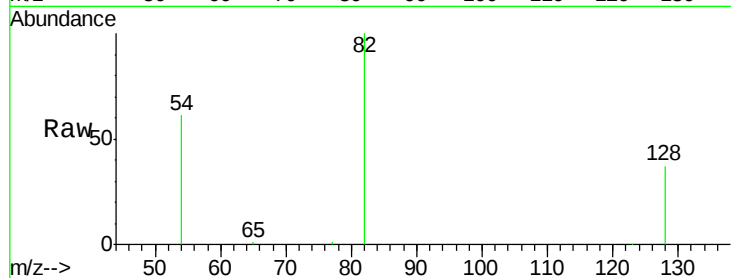
ClientSampleId :

SB-1(7-8)MSD

Tgt Ion:	82	Resp:	17647
Ion Ratio	Lower	Upper	
82	100		
128	37.0	28.0	42.0
54	61.2	57.3	85.9

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#8

Nitrobenzene

Concen: 5.56 ng

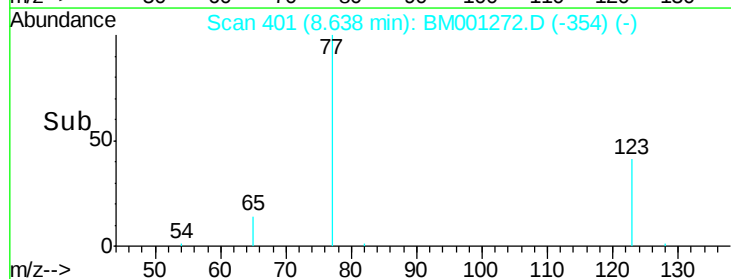
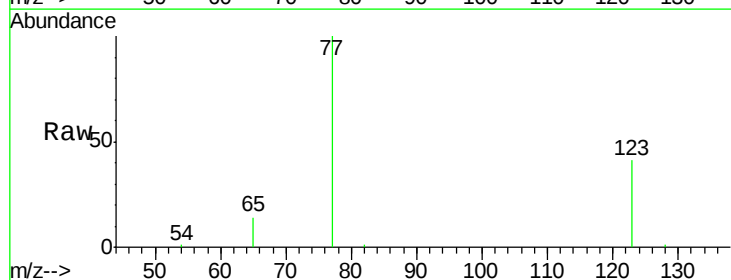
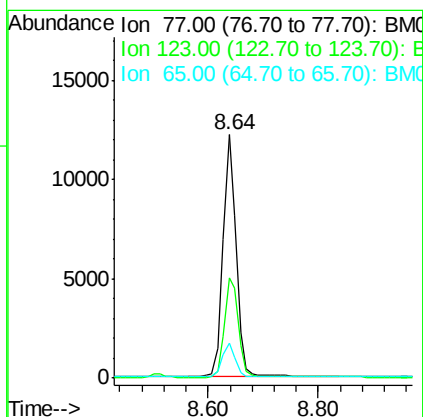
RT: 8.64 min Scan# 401

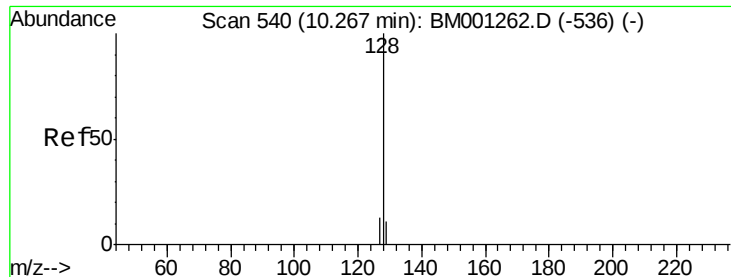
Delta R.T. -0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Tgt Ion:	77	Resp:	19948
Ion Ratio	Lower	Upper	
77	100		
123	43.7	33.4	50.2
65	14.2	10.6	15.8





#9

Naphthalene

Concen: 5.42 ng

RT: 10.27 min Scan# 540

Delta R.T. -0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Instrument :

BNA_M

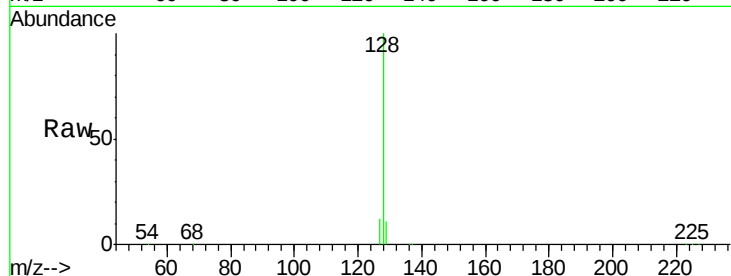
ClientSampleId :

SB-1(7-8)MSD

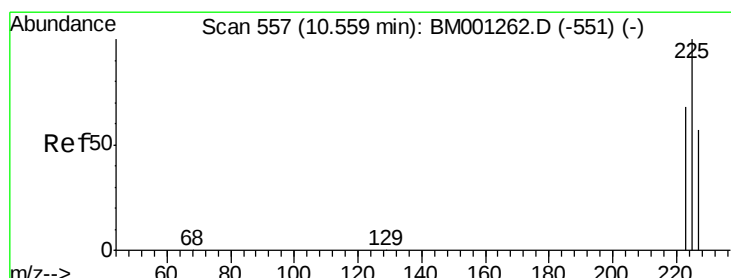
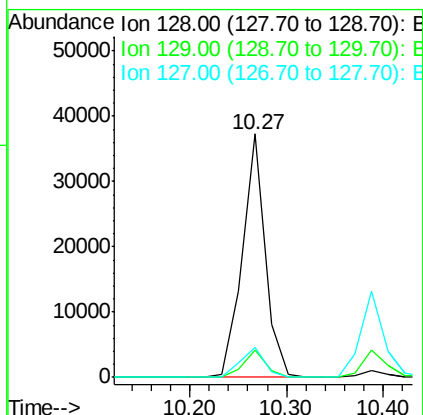
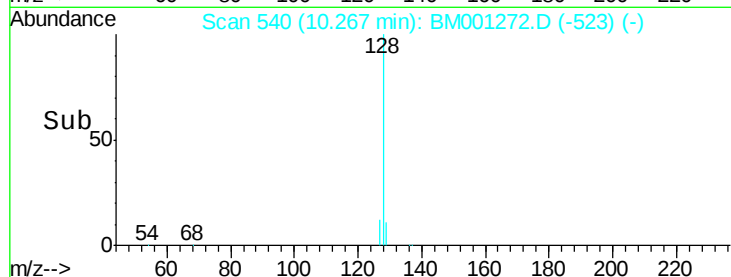
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Tgt Ion:	128	Resp:	61061
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.1	13.7
127	12.3	10.6	16.0



#10

Hexachlorobutadiene

Concen: 5.31 ng

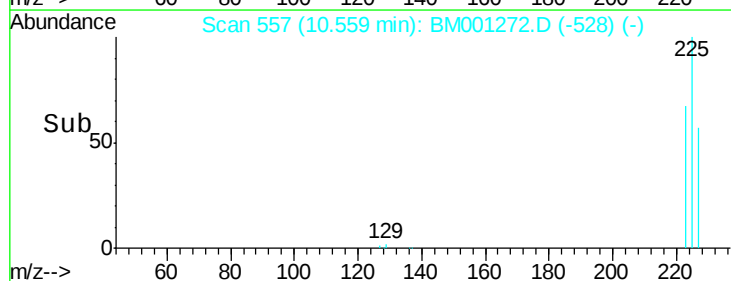
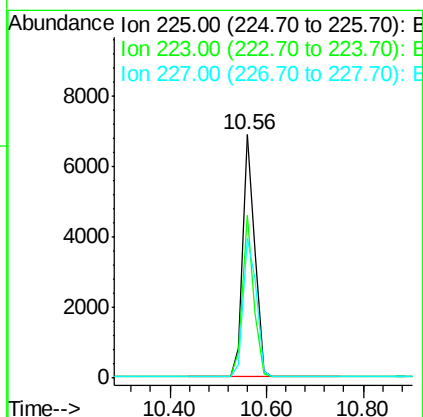
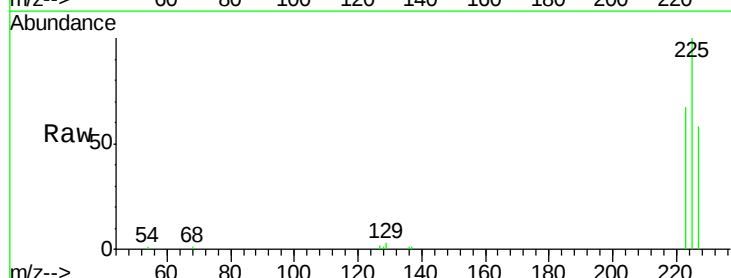
RT: 10.56 min Scan# 557

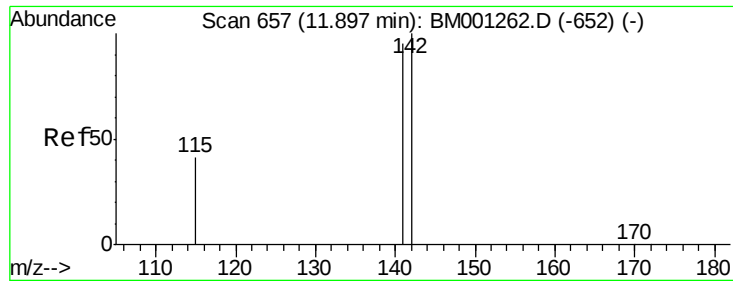
Delta R.T. -0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Tgt Ion:	225	Resp:	11688
Ion Ratio	Lower	Upper	
225	100		
223	63.1	49.6	74.4
227	63.1	51.4	77.2





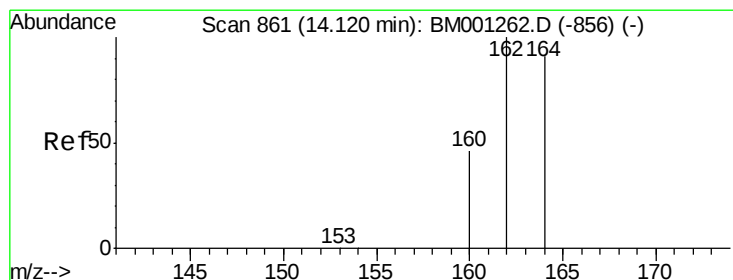
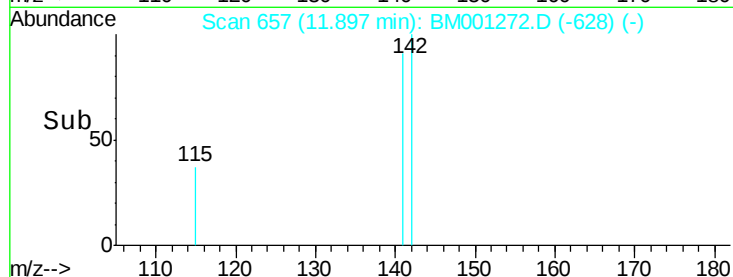
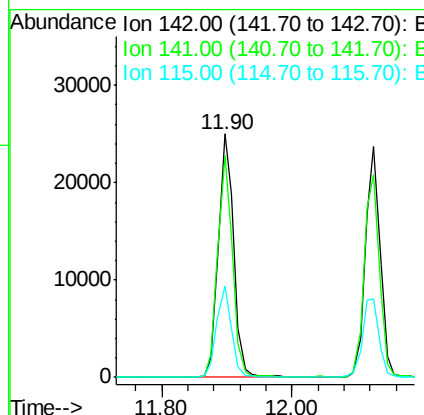
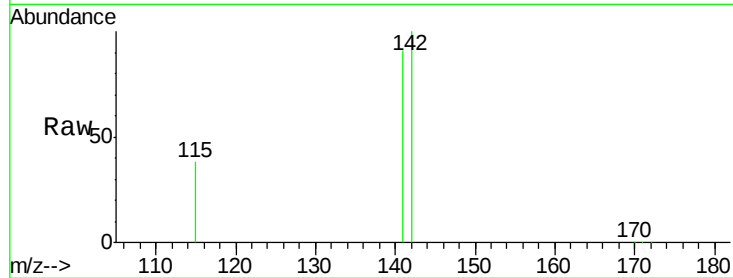
#11
2-Methylnaphthalene
Concen: 5.49 ng
RT: 11.90 min Scan# 657
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

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BNA_M
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SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	76.1	114.1
115	37.5	33.1	49.7

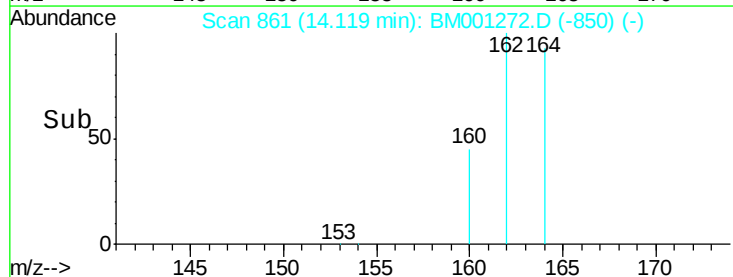
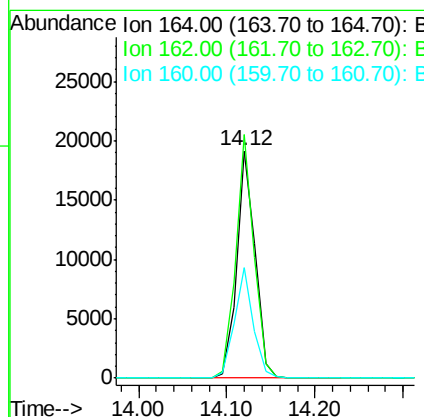
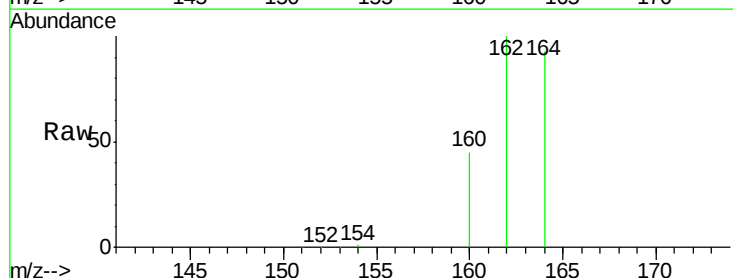
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.12 min Scan# 861
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	87.9	131.9
160	48.7	40.9	61.3





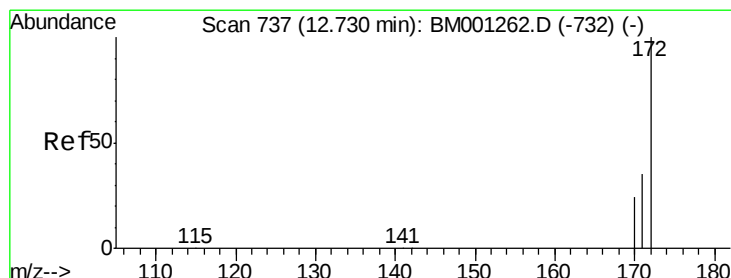
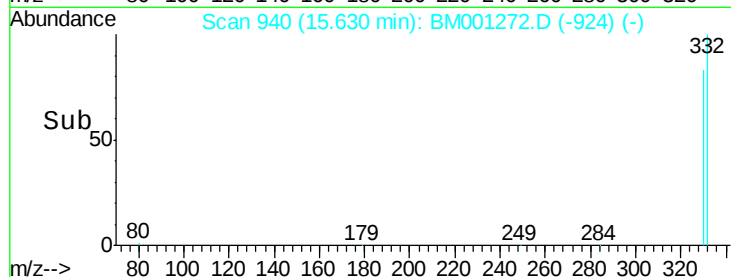
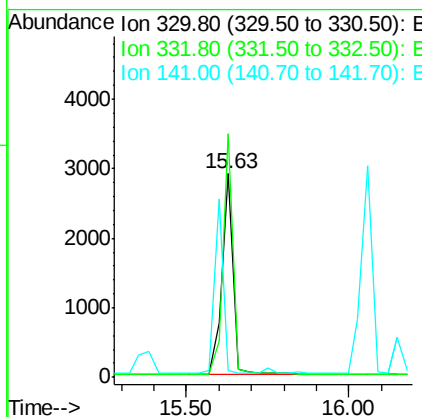
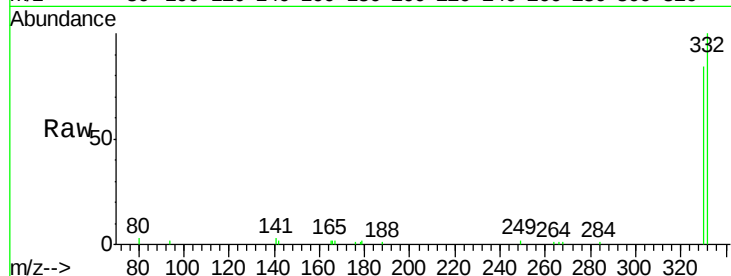
#13
 2,4,6-Tribromophenol
 Concen: 7.38 ng
 RT: 15.63 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BM001272.D
 Acq: 13 May 2015 03:52

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6955		
332	108.1	89.0	133.4	
141	0.0	0.0	0.0	

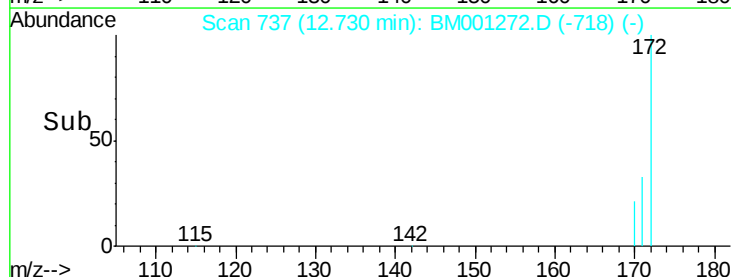
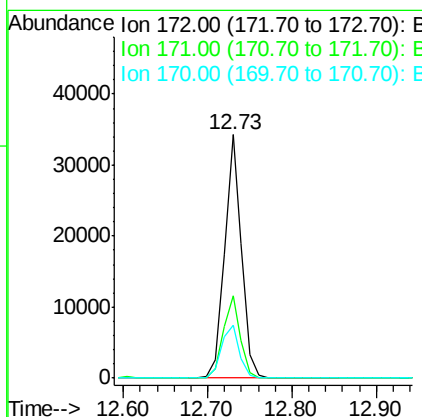
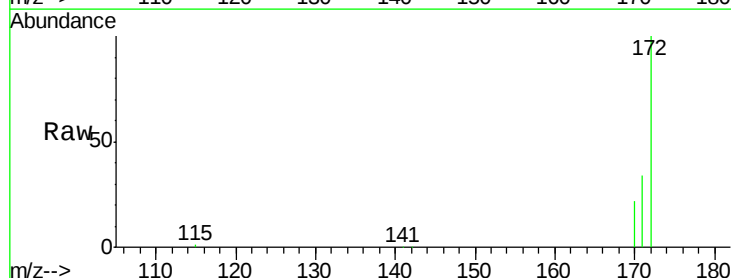
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#14
 2-Fluorobiphenyl
 Concen: 5.64 ng
 RT: 12.73 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: BM001272.D
 Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	48245		
171	33.6	28.7	43.1	
170	21.7	19.5	29.3	





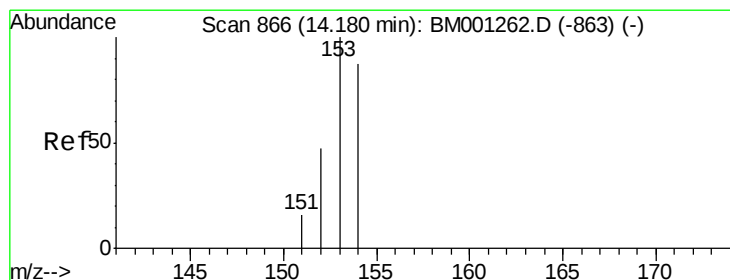
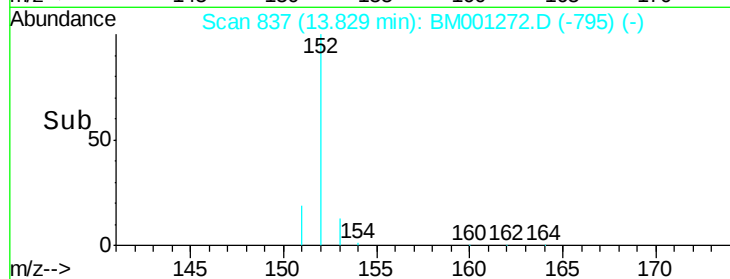
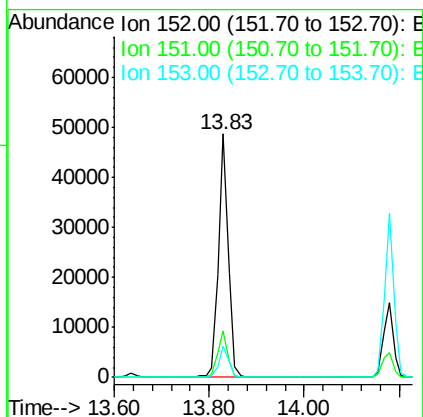
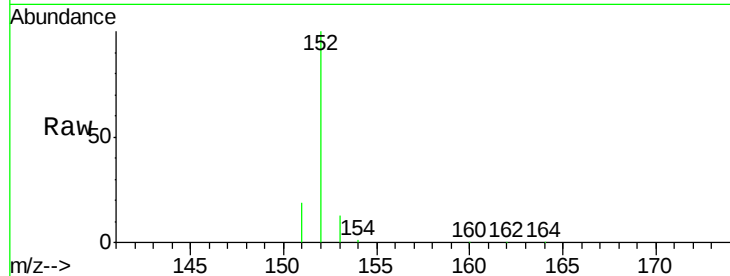
#15
Acenaphthylene
Concen: 6.11 ng
RT: 13.83 min Scan# 837
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.4
153	12.9	10.1	15.1

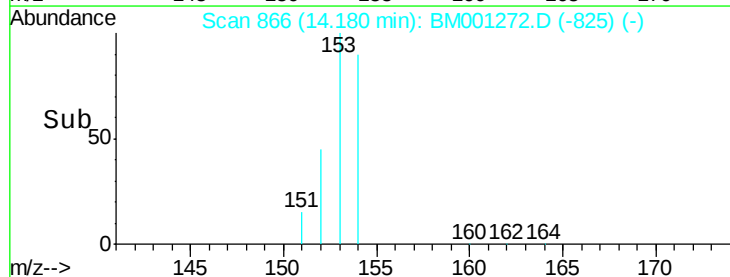
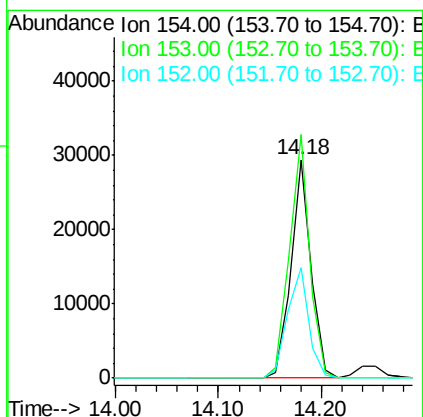
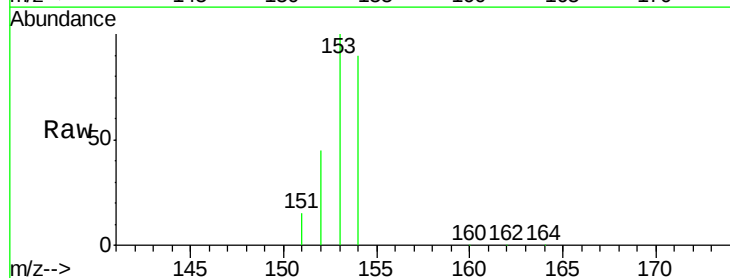
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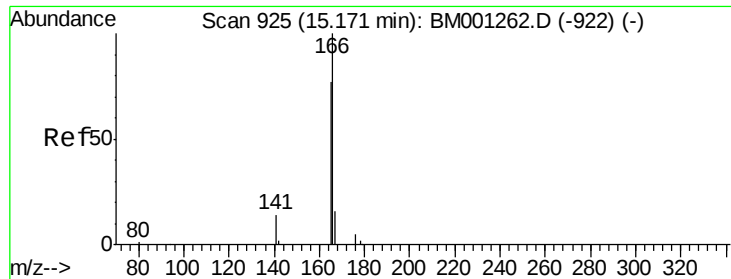
apatel
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#16
Acenaphthene
Concen: 5.50 ng
RT: 14.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.4	137.2
152	53.2	44.3	66.5





#17

Fluorene

Concen: 4.78 ng

RT: 15.17 min Scan# 925

Delta R.T. -0.00 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Instrument :

BNA_M

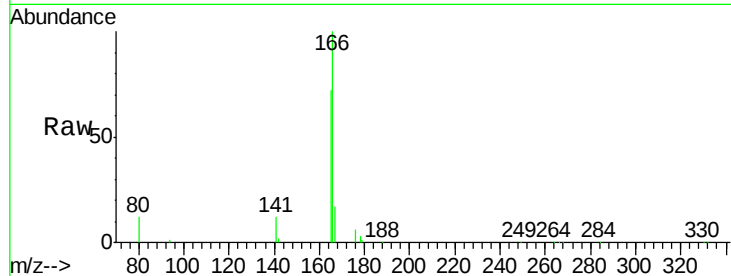
ClientSampleId :

SB-1(7-8)MSD

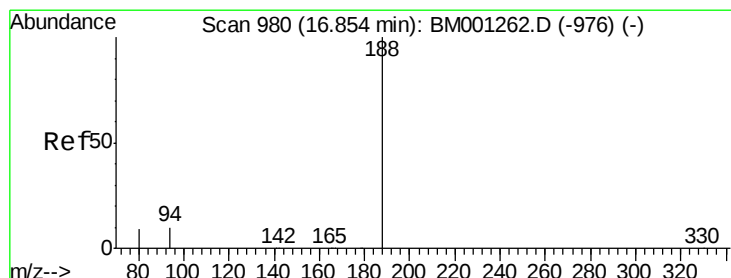
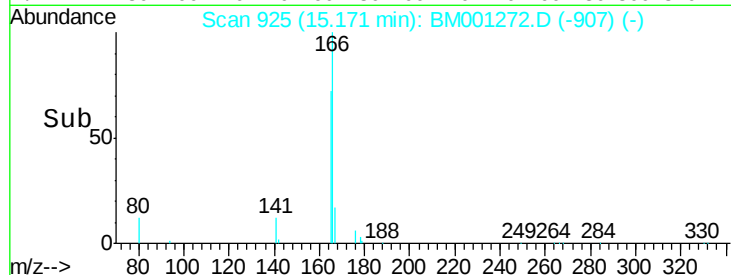
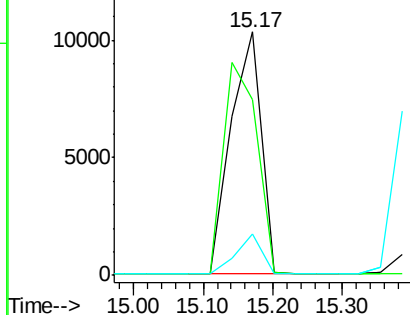
Tgt Ion:	166	Resp:	31423
Ion Ratio	Lower	Upper	
166	100		
165	0.0	70.6	106.0#
167	14.0	11.3	16.9

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

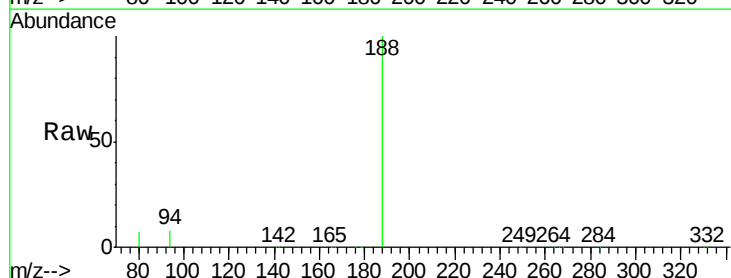
RT: 16.85 min Scan# 980

Delta R.T. -0.00 min

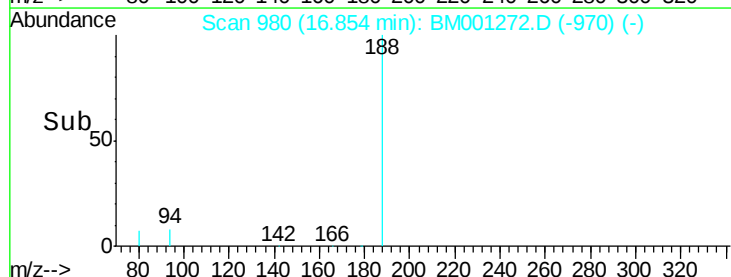
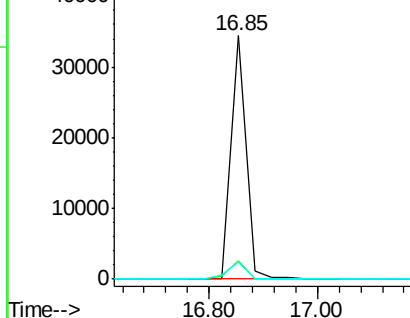
Lab File: BM001272.D

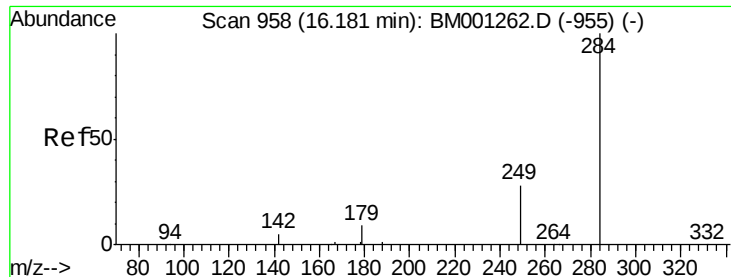
Acq: 13 May 2015 03:52

Tgt Ion:	188	Resp:	65963
Ion Ratio	Lower	Upper	
188	100		
94	7.7	7.8	11.8#
80	7.2	7.5	11.3#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





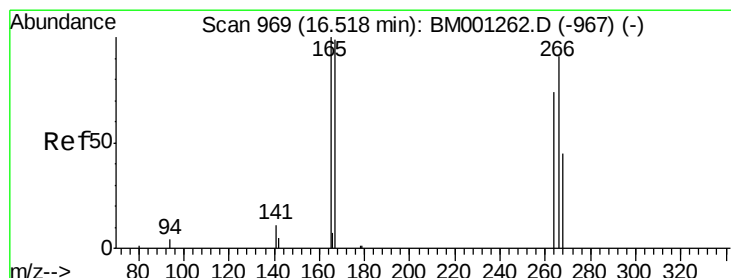
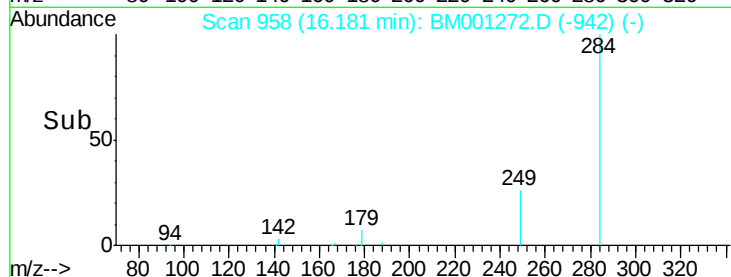
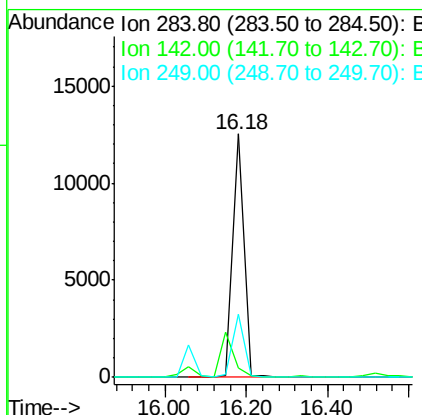
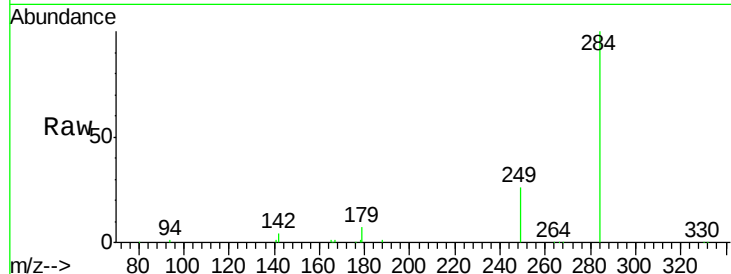
#19
Hexachlorobenzene
Concen: 5.45 ng
RT: 16.18 min Scan# 958
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	26.5	22.7	34.1

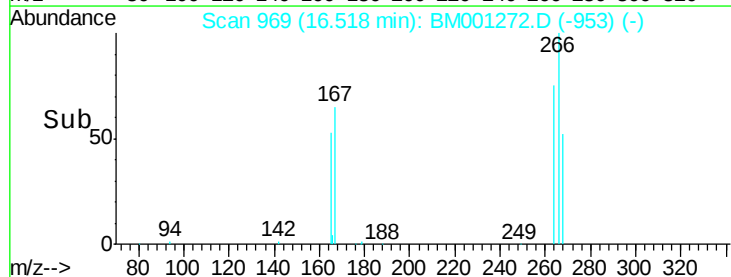
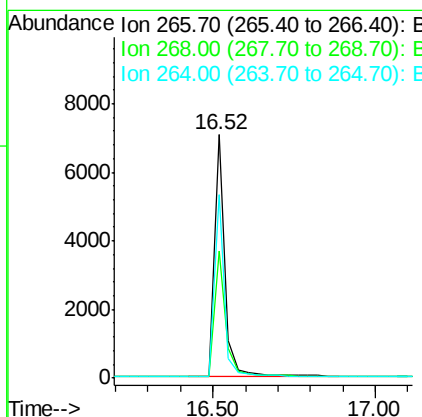
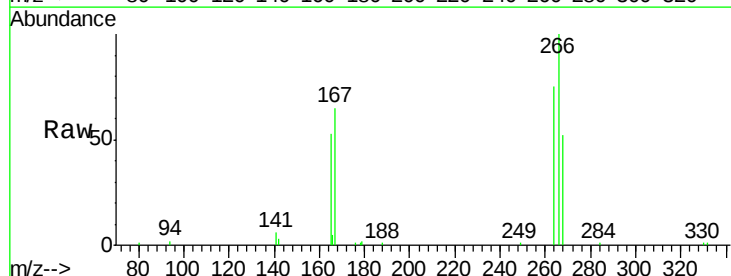
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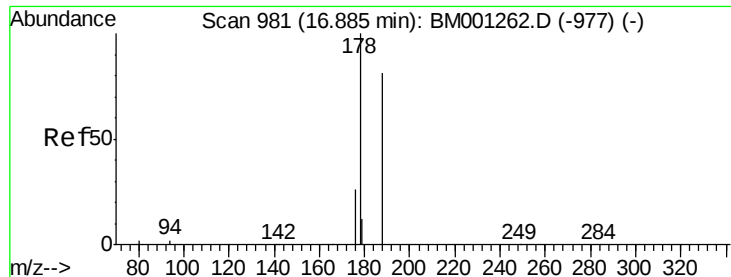
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#20
Pentachlorophenol
Concen: 12.62 ng
RT: 16.52 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	52.0	49.4	74.0
264	75.1	67.8	101.6





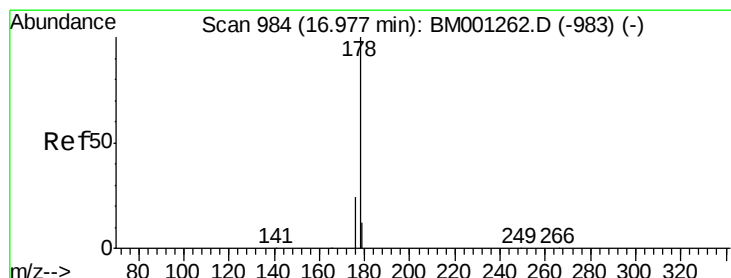
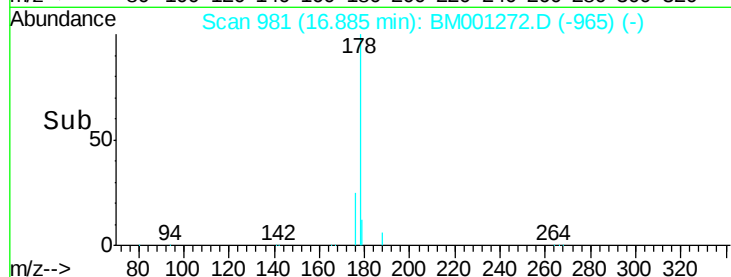
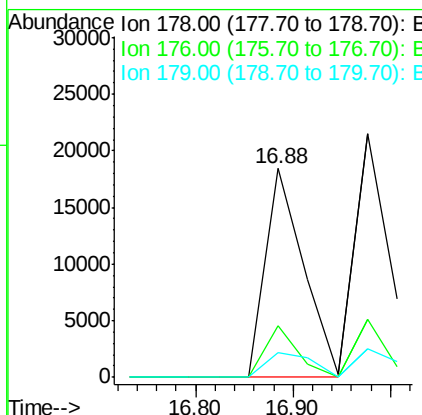
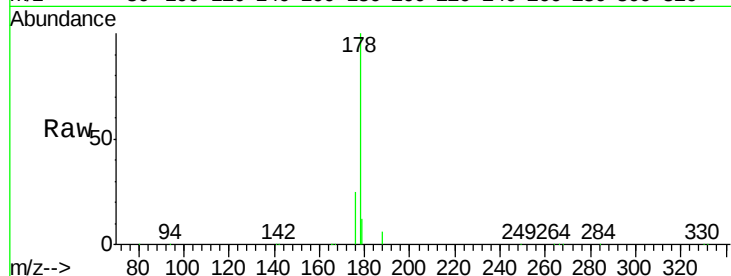
#21
Phenanthrene
Concen: 4.96 ng
RT: 16.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.9	23.9
179	14.4	0.0	0.0#

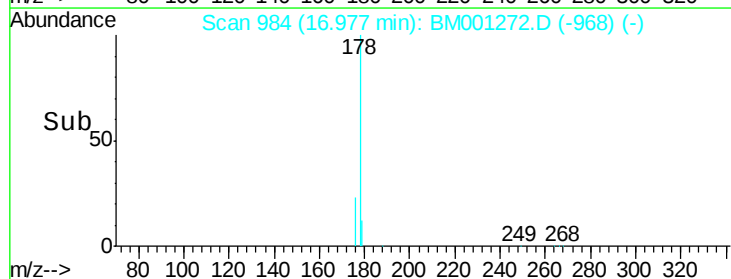
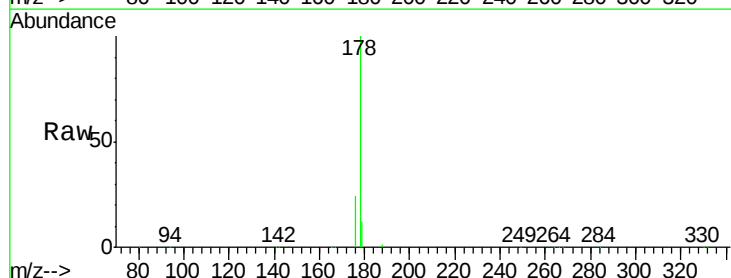
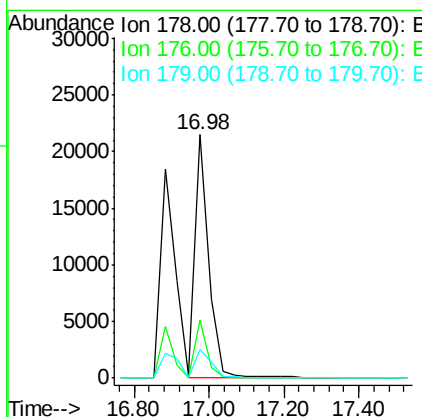
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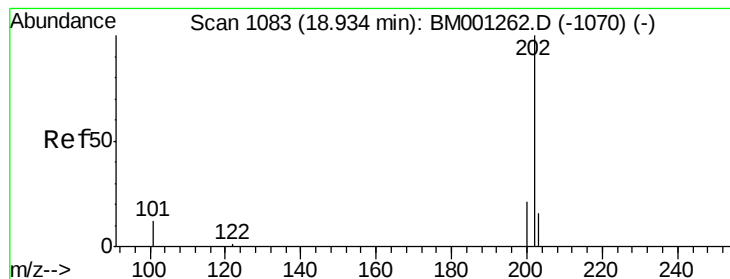
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#22
Anthracene
Concen: 5.52 ng
RT: 16.98 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.3	22.9
179	14.2	0.0	0.0#





#23

Fluoranthene

Concen: 5.40 ng

RT: 18.93 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BM001272.D

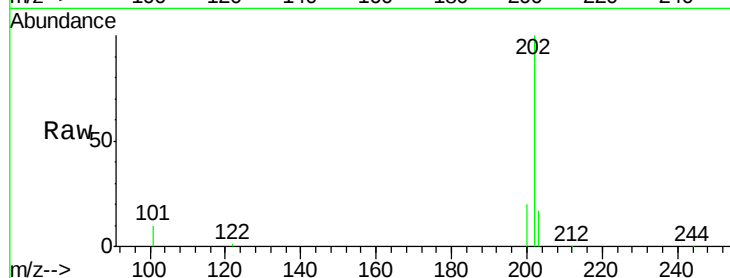
Acq: 13 May 2015 03:52

Instrument :

BNA_M

ClientSampleId :

SB-1(7-8)MSD



Tgt Ion:202 Resp: 84965

Ion Ratio Lower Upper

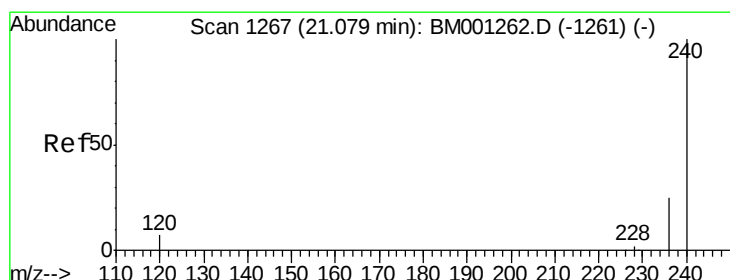
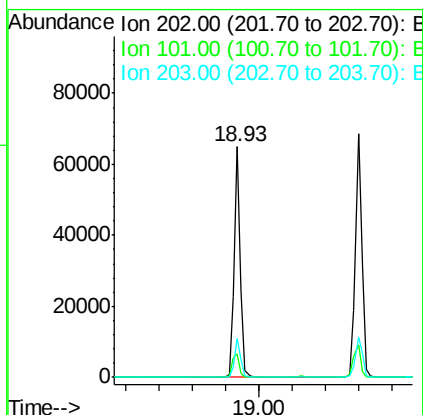
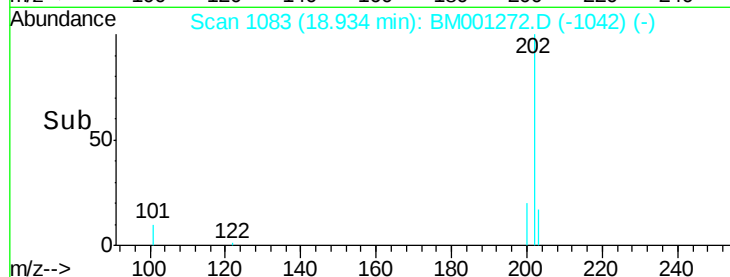
202 100

101 11.8 9.1 13.7

203 17.3 13.8 20.6

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#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

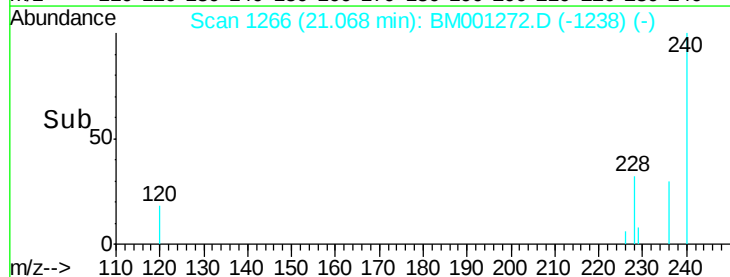
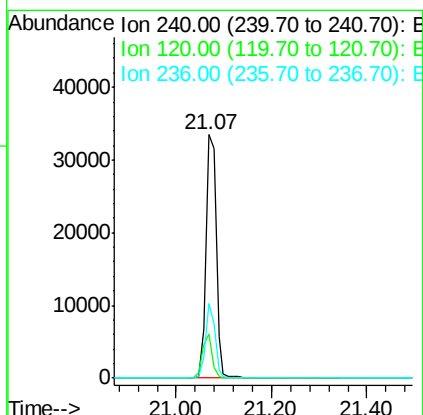
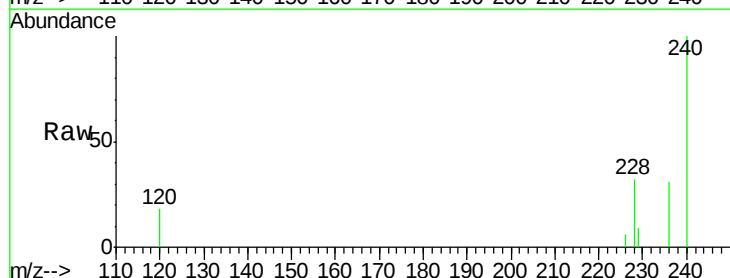
Tgt Ion:240 Resp: 49607

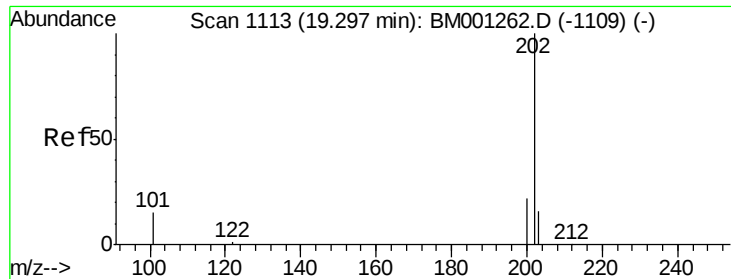
Ion Ratio Lower Upper

240 100

120 17.8 5.5 8.3#

236 30.5 20.4 30.6





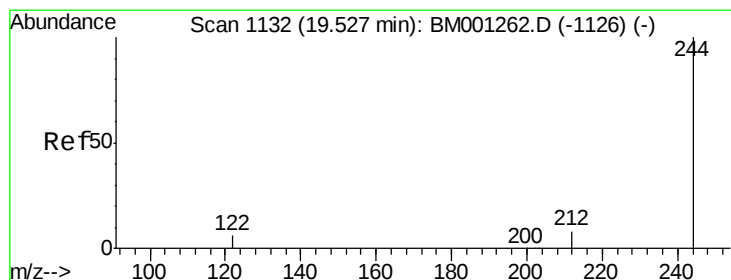
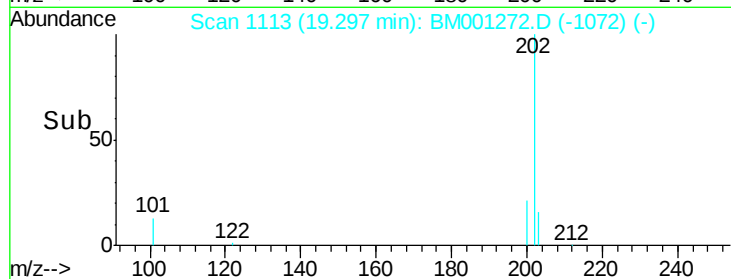
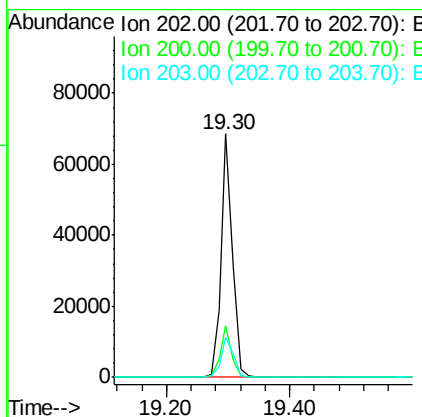
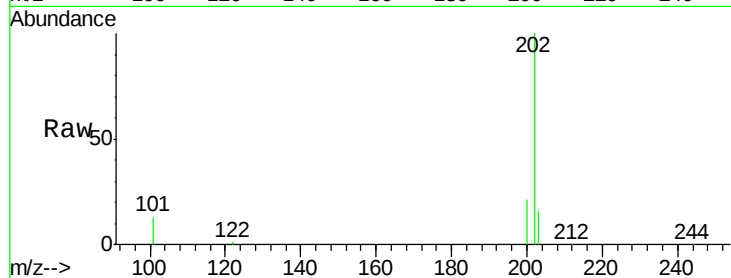
#25
 Pyrene
 Concen: 5.82 ng
 RT: 19.30 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BM001272.D
 Acq: 13 May 2015 03:52

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(7-8)MSD

Tgt Ion:	202	Resp:	89231
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.4	24.6
203	17.9	13.9	20.9

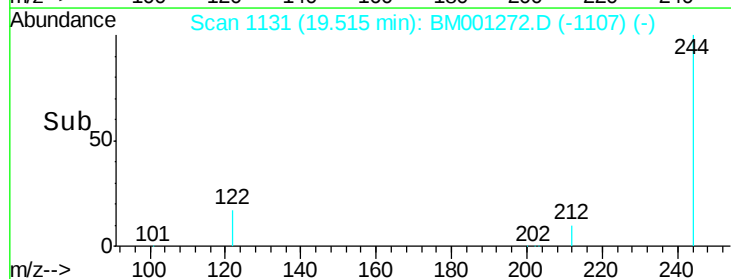
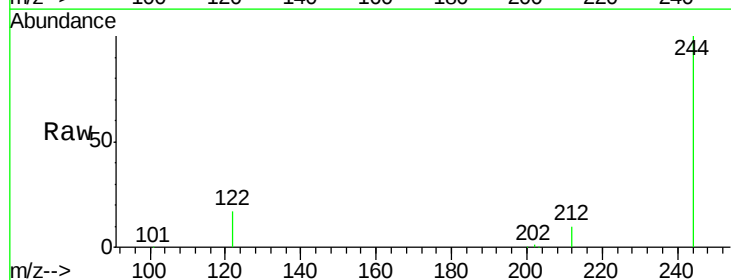
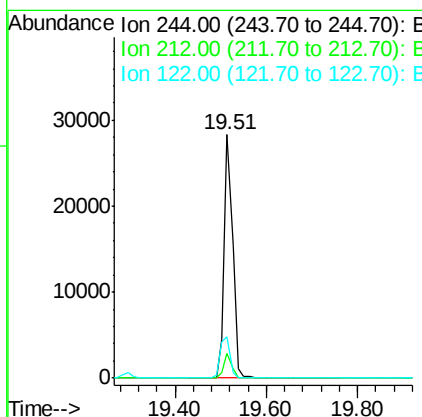
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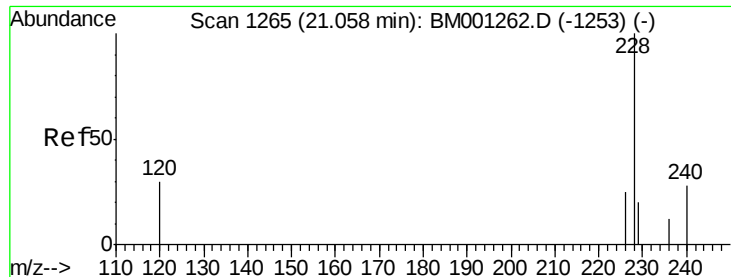
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#26
 Terphenyl-d14
 Concen: 5.41 ng
 RT: 19.51 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BM001272.D
 Acq: 13 May 2015 03:52

Tgt Ion:	244	Resp:	36029
Ion Ratio	Lower	Upper	
244	100		
212	10.0	7.2	10.8
122	16.8	5.6	8.4#





#27

Benzo(a)anthracene

Concen: 5.92 ng

RT: 21.05 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Instrument :

BNA_M

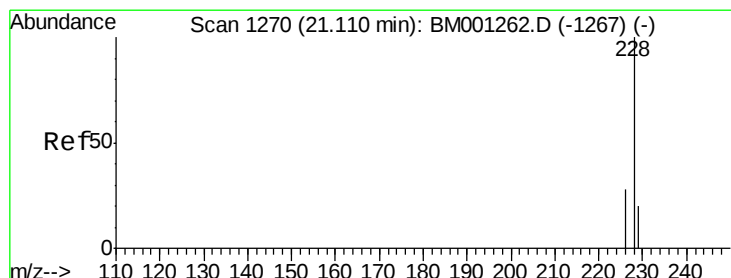
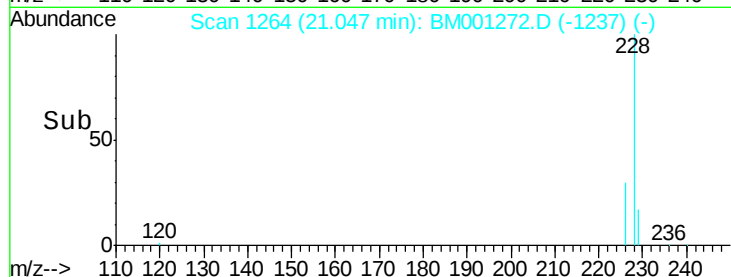
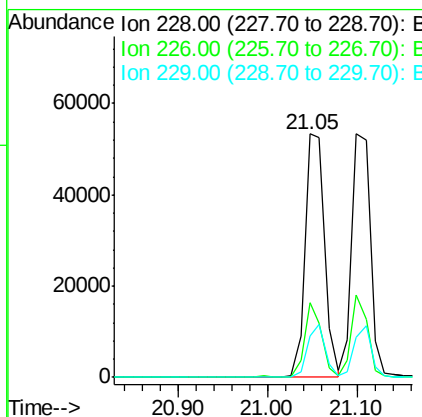
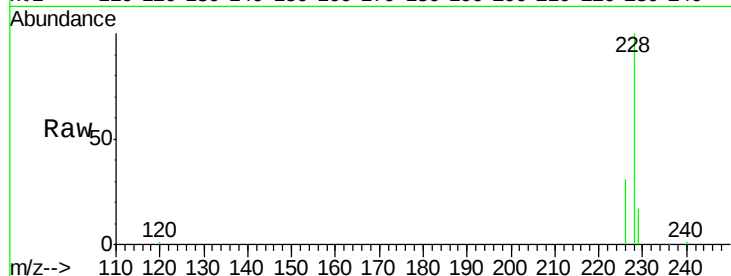
ClientSampleId :

SB-1(7-8)MSD

Tgt Ion:	228	Resp:	79666
Ion Ratio	Lower	Upper	
228	100		
226	30.5	20.5	30.7
229	16.8	16.2	24.4

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#28

Chrysene

Concen: 5.74 ng m

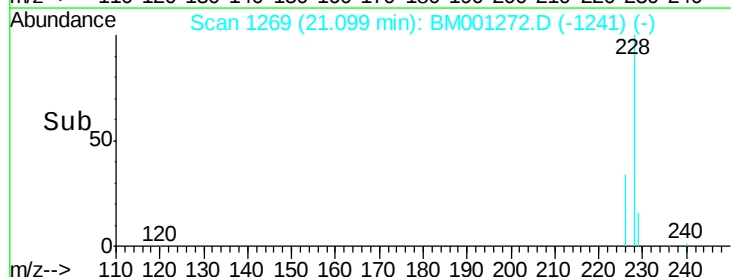
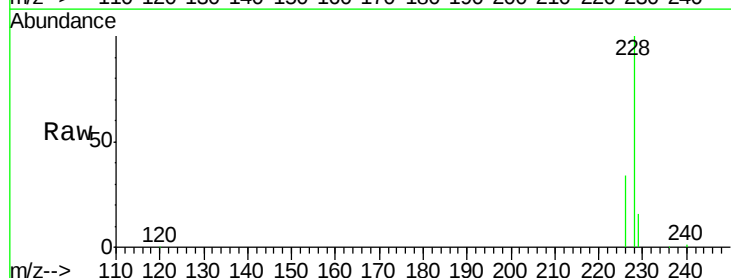
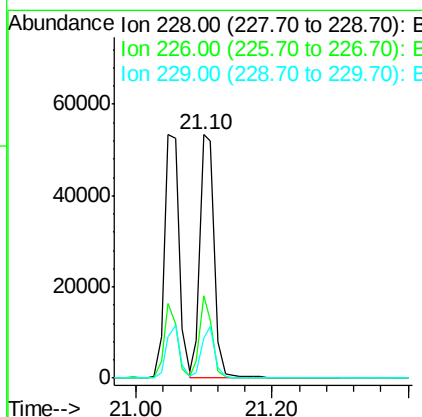
RT: 21.10 min Scan# 1269

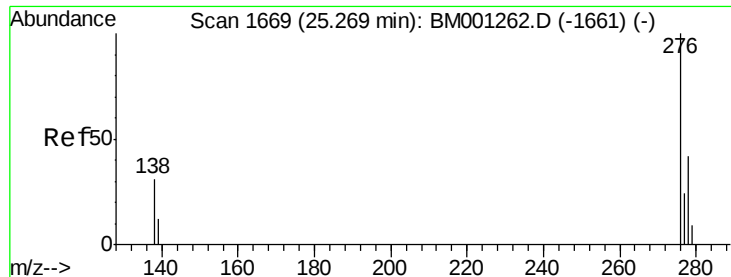
Delta R.T. -0.01 min

Lab File: BM001272.D

Acq: 13 May 2015 03:52

Tgt Ion:	228	Resp:	78341
Ion Ratio	Lower	Upper	
228	100		
226	33.8	22.2	33.2#
229	16.5	16.5	24.7#





#29

Indeno(1,2,3-cd)pyrene

Concen: 6.05 ng

RT: 25.27 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BM001272.D

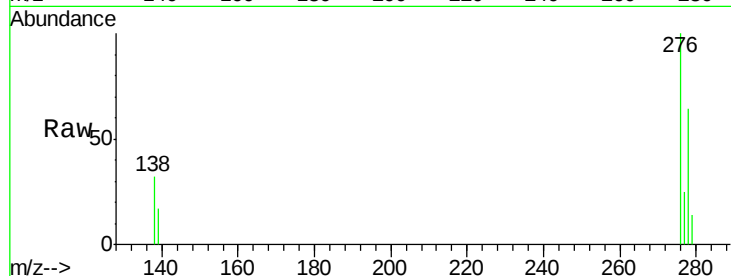
Acq: 13 May 2015 03:52

Instrument :

BNA_M

ClientSampleId :

SB-1(7-8)MSD



Tgt Ion: 276 Resp: 83874

Ion Ratio Lower Upper

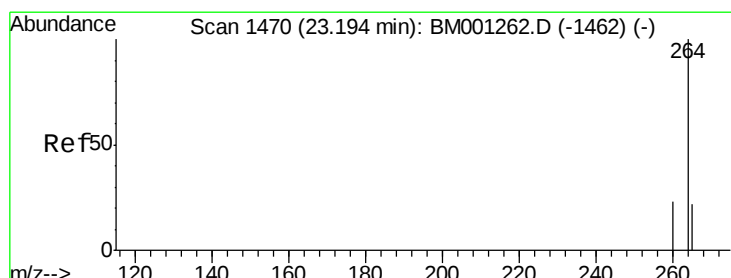
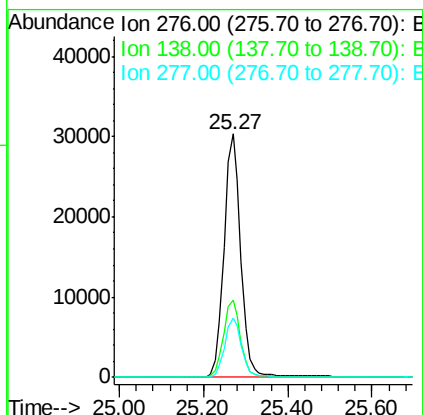
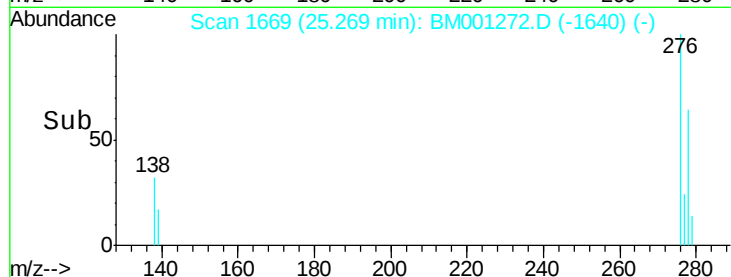
276 100

138 32.3 24.9 37.3

277 24.6 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: BM001272.D

Acq: 13 May 2015 03:52

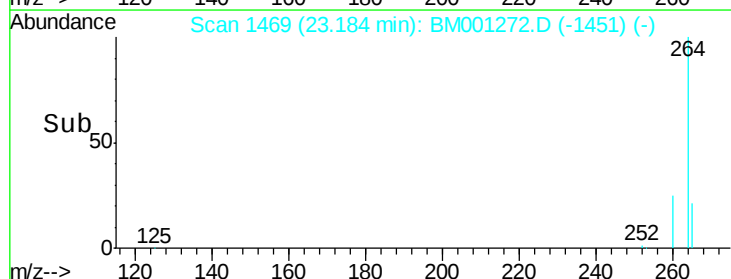
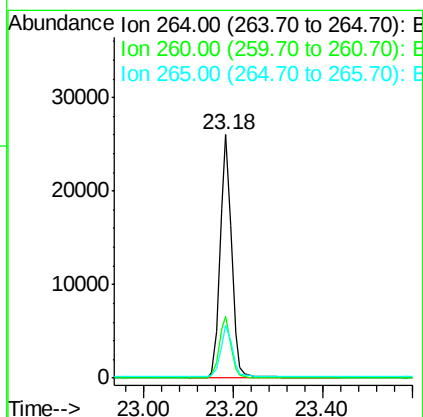
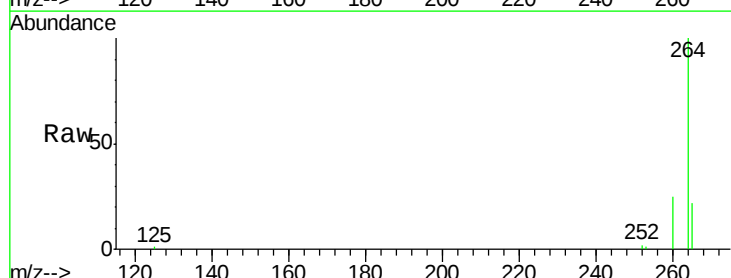
Tgt Ion: 264 Resp: 45964

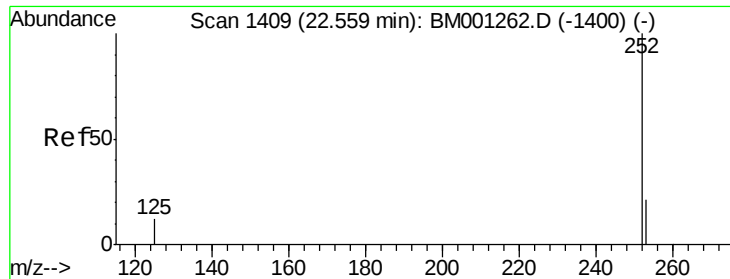
Ion Ratio Lower Upper

264 100

260 25.2 18.9 28.3

265 21.6 18.1 27.1





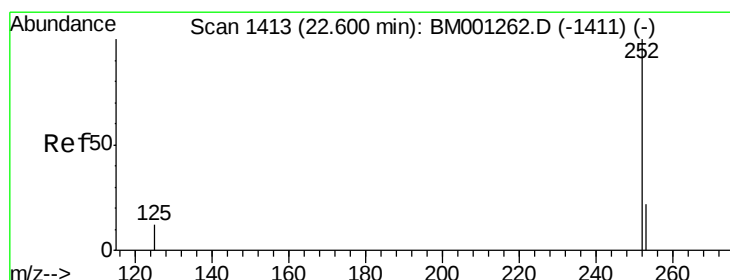
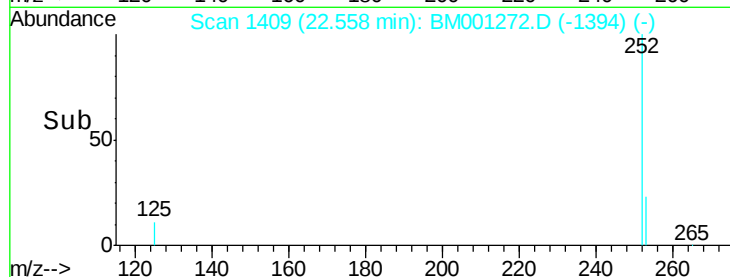
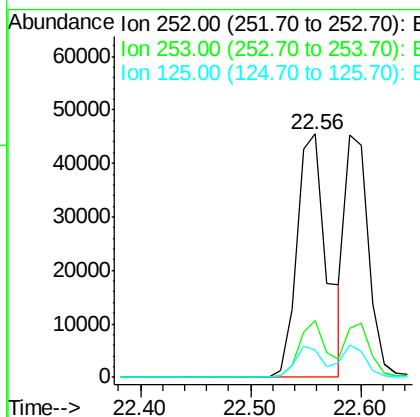
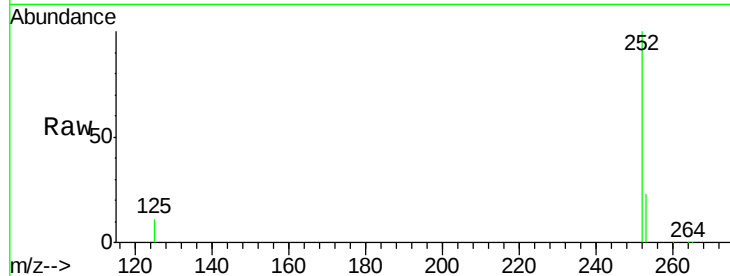
#31
Benzo(b)fluoranthene
Concen: 6.35 ng
RT: 22.56 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.4	10.4	15.6

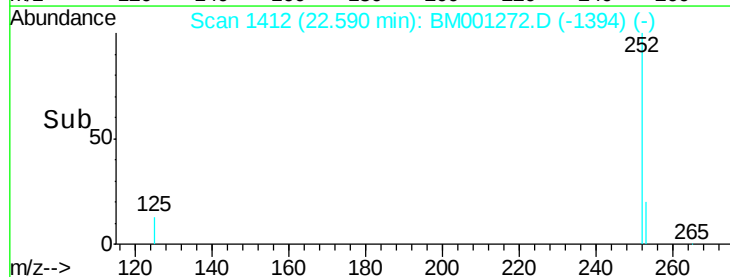
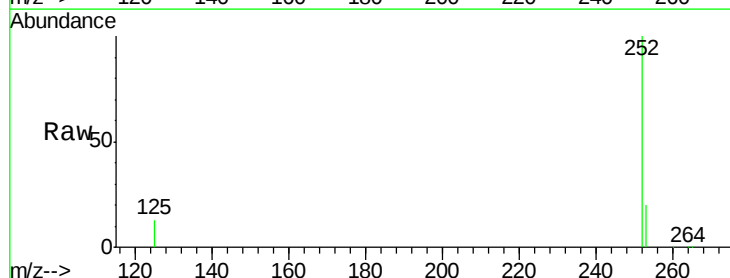
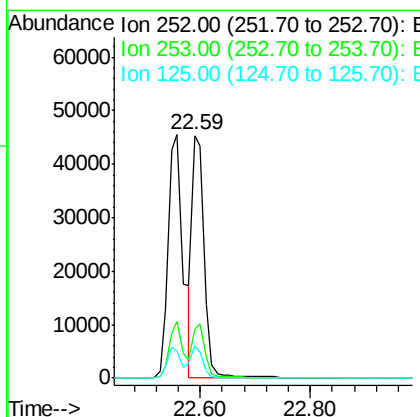
Manual Integrations
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5/13/2015 4:55:09 PM



#32
Benzo(k)fluoranthene
Concen: 5.26 ng
RT: 22.59 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.6	27.8
125	13.4	10.2	15.4





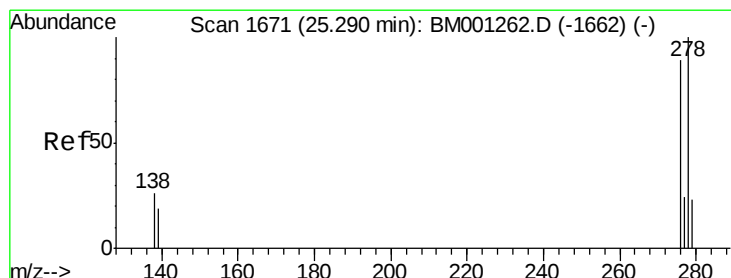
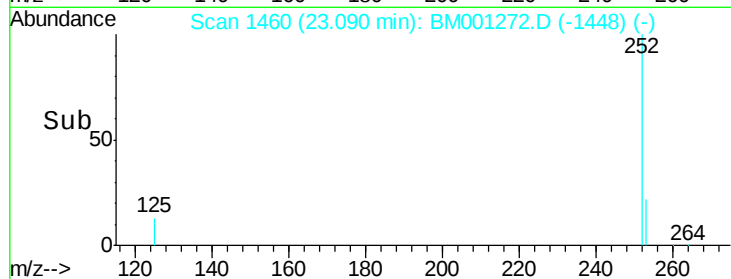
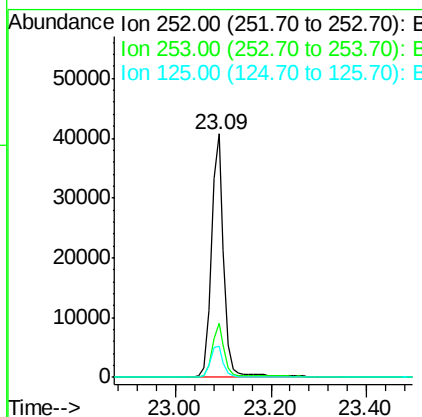
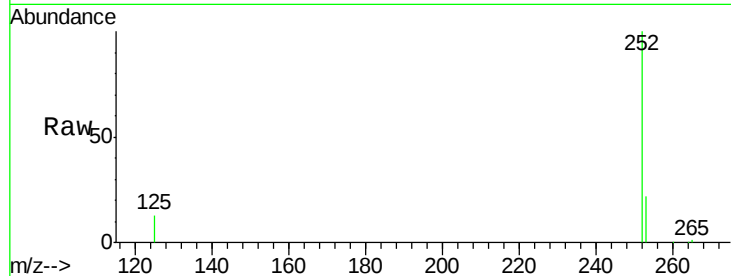
#33
Benzo(a)pyrene
Concen: 6.30 ng
RT: 23.09 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

Instrument :
BNA_M
ClientSampleId :
SB-1(7-8)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	13.0	12.2	18.2

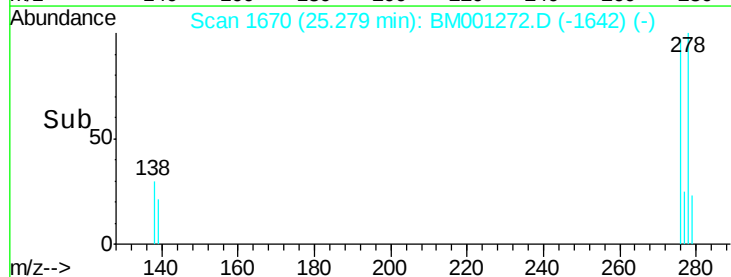
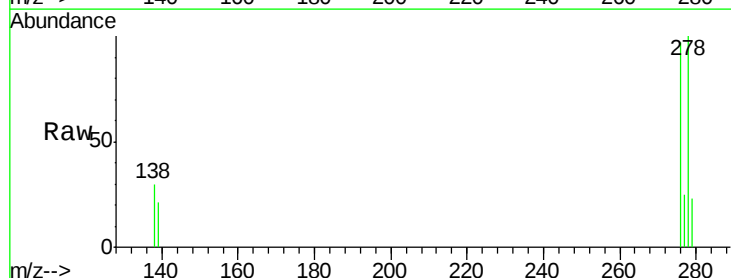
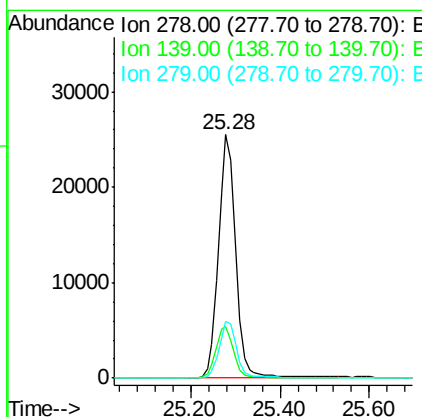
Manual Integrations
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#34
Dibenzo(a,h)anthracene
Concen: 6.14 ng
RT: 25.28 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BM001272.D
Acq: 13 May 2015 03:52

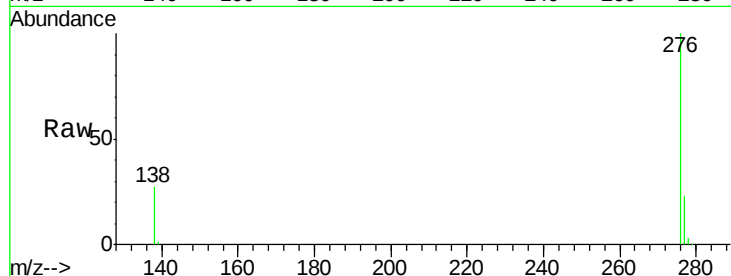
Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	16.6	24.8
279	23.3	20.0	30.0





#35
 Benzo(g,h,i)perylene
 Concen: 5.98 ng
 RT: 25.90 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BM001272.D
 Acq: 13 May 2015 03:52

Instrument :
 BNA_M
 ClientSampleId :
 SB-1(7-8)MSD



Tgt	Ion	276	Resp:	71900
Ion	Ratio	Lower	Upper	
276	100			
277	23.3	19.9	29.9	
138	27.3	21.0	31.4	

Manual Integrations
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