

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001151.D
 Acq On : 02 May 2015 03:19
 Operator : TP/IZ
 Sample : PB83102BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83102BS

Manual Integrations
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apatel
 5/5/2015 8:03:52 AM

Quant Time: May 04 17:07:28 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 16:48:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	18171	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	73482	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	40635	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	94906	5.00	ng	0.00
24) Chrysene-d12	21.15	240	75355	5.00	ng	0.00
30) Perylene-d12	23.29	264	57611	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	45461	12.86	ng	-0.01
5) Phenol-d6	6.71	99	62417	14.33	ng	0.00
7) Nitrobenzene-d5	8.69	82	42201	10.14	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	26252	13.12	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	121469	9.04	ng	0.00
26) Terphenyl-d14	19.59	244	96481	9.29	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	12078	8.05	ng	# 76
3) n-Nitrosodimethylamine	3.32	42	18743	8.43	ng	# 99
8) Nitrobenzene	8.73	77	45821	8.34	ng	94
9) Naphthalene	10.36	128	130427	8.07	ng	99
10) Hexachlorobutadiene	10.65	225	24554	7.88	ng	99
11) 2-Methylnaphthalene	11.98	142	92024m	8.30	ng	
15) Acenaphthylene	13.89	152	159570	8.98	ng	# 67
16) Acenaphthene	14.24	154	111641	9.10	ng	89
17) Fluorene	15.24	166	129921	9.13	ng	100
19) Hexachlorobenzene	16.26	284	45558	8.91	ng	# 97
20) Pentachlorophenol	16.61	266	50501	22.12	ng	96
21) Phenanthrene	16.98	178	202998	8.31	ng	100
22) Anthracene	17.08	178	189647m	9.39	ng	
23) Fluoranthene	19.01	202	218560	8.84	ng	99
25) Pyrene	19.38	202	229221	9.74	ng	99
27) Benzo(a)anthracene	21.13	228	191154	9.00	ng	96
28) Chrysene	21.18	228	182263	8.74	ng	97
29) Indeno(1,2,3-cd)pyrene	25.43	276	139470	7.33	ng	99
31) Benzo(b)fluoranthene	22.65	252	159832	9.01	ng	95
32) Benzo(k)fluoranthene	22.69	252	155881	9.38	ng	95
33) Benzo(a)pyrene	23.20	252	144248	9.64	ng	99
34) Dibenzo(a,h)anthracene	25.44	278	112392	8.56	ng	96
35) Benzo(g,h,i)perylene	26.09	276	114204	8.24	ng	99

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

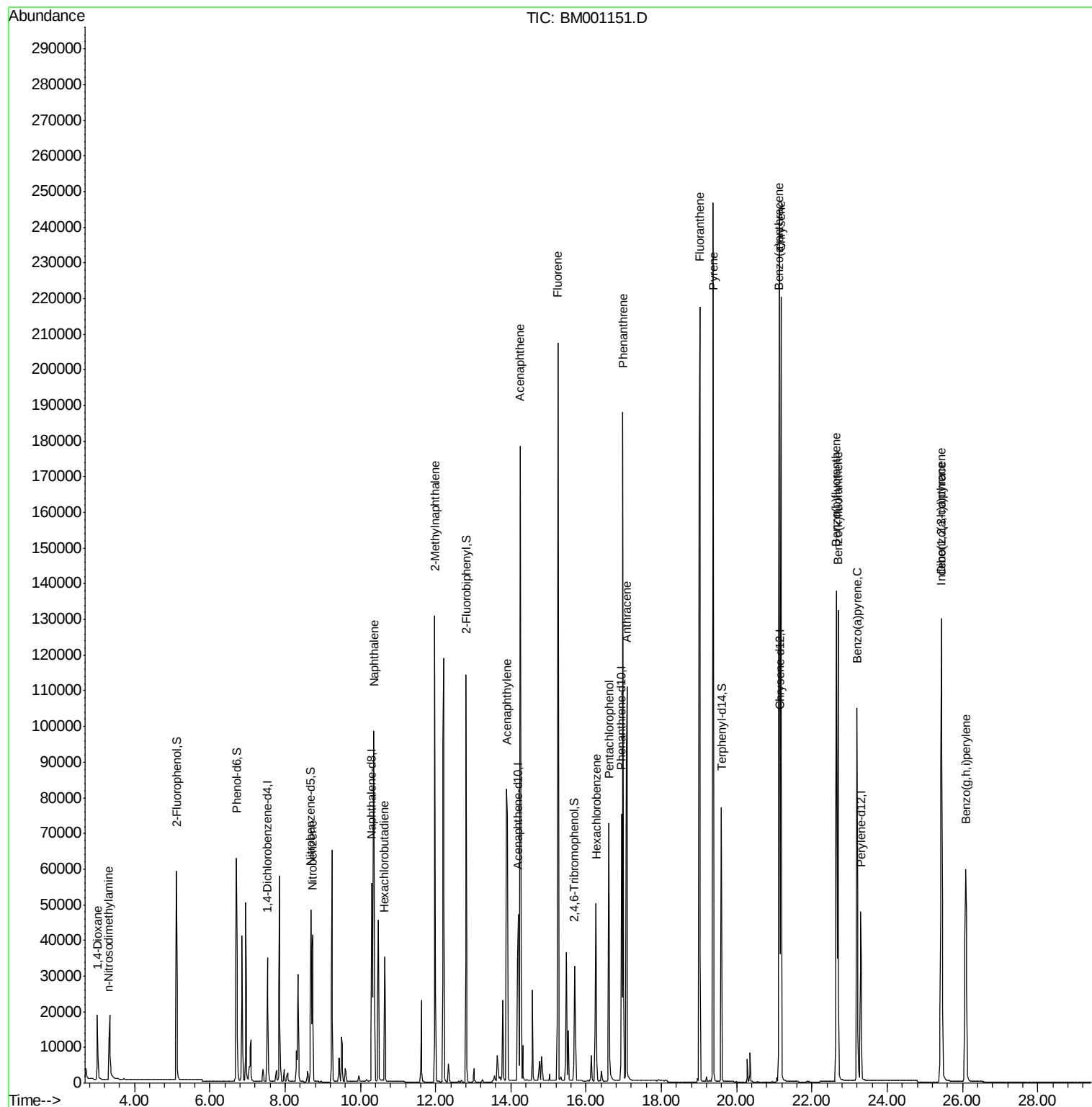
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
Data File : BM001151.D
Acq On : 02 May 2015 03:19
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Sample : PB83102BS
Misc :
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Instrument :
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#1

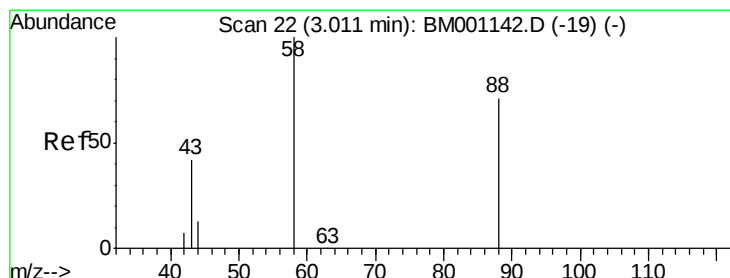
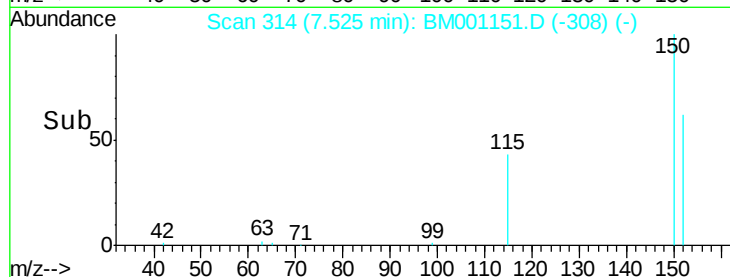
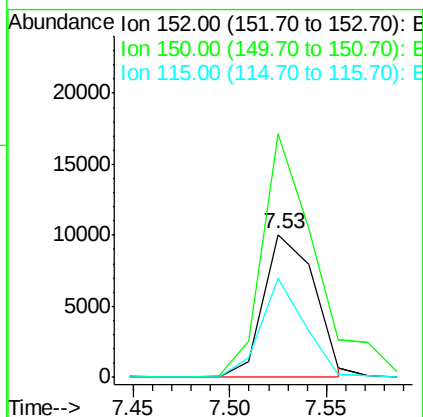
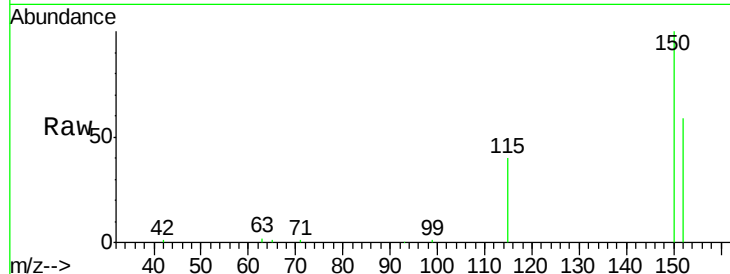
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.53 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.9	140.1	210.1
115	69.1	57.8	86.6

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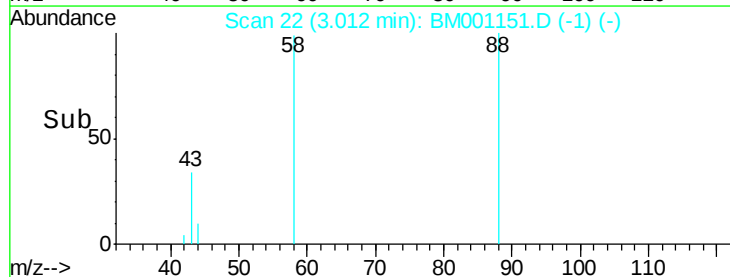
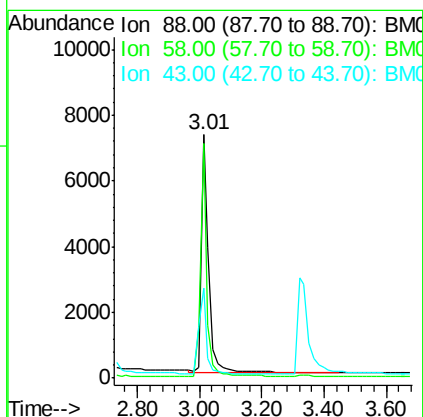
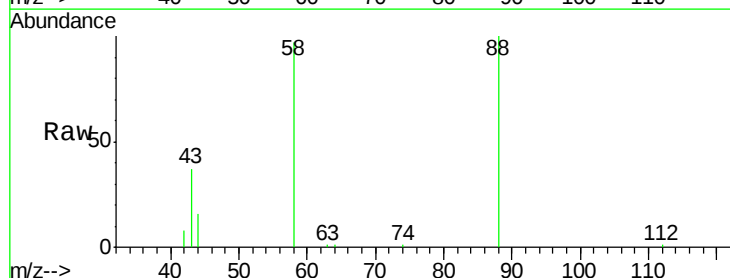
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#2

1,4-Dioxane
Concen: 8.05 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.6	48.2	72.2#
43	37.7	24.8	37.2#





#3

n-Nitrosodimethylamine

Concen: 8.43 ng

RT: 3.32 min Scan# 42

Delta R.T. -0.02 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

ClientSampleId :

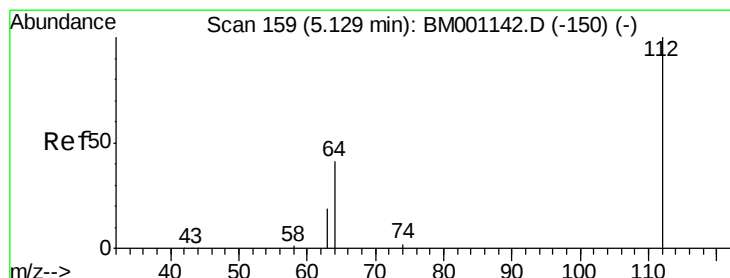
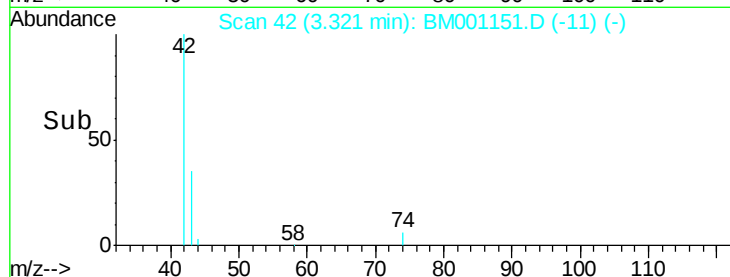
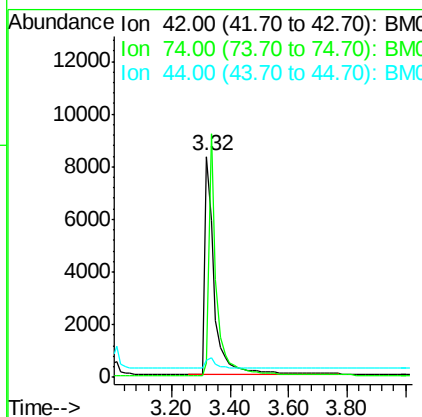
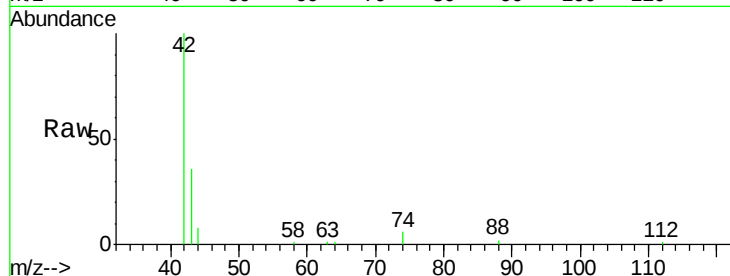
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Tot Ion	Ratio	Lower	Upper
42	100		
74	91.1	72.0	108.0
44	5.6	3.7	5.5#



#4

2-Fluorophenol

Concen: 12.86 ng

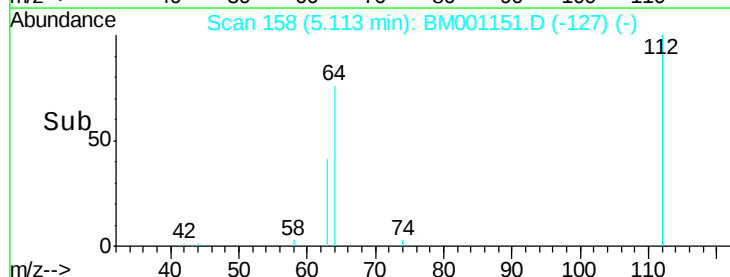
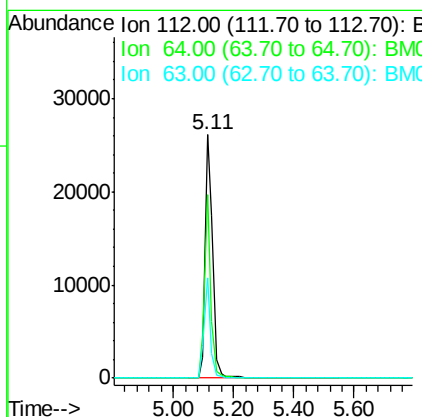
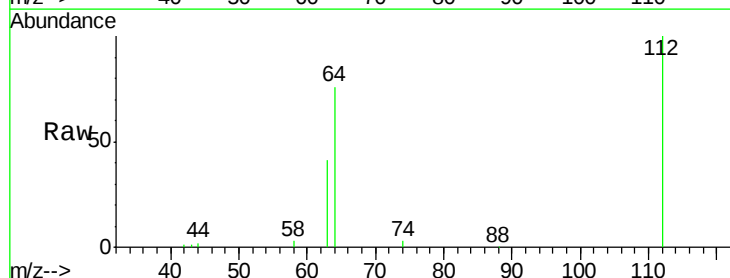
RT: 5.11 min Scan# 158

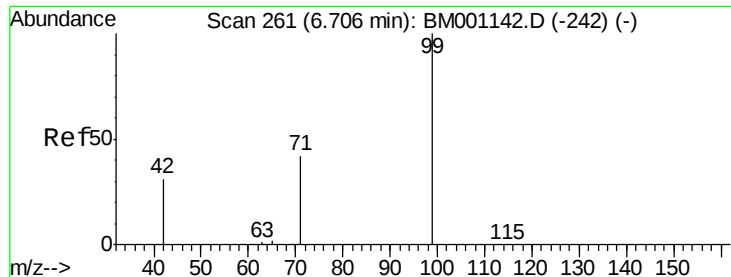
Delta R.T. -0.01 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.6	79.0
63	35.8	29.5	44.3





#5

Phenol-d6

Concen: 14.33 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

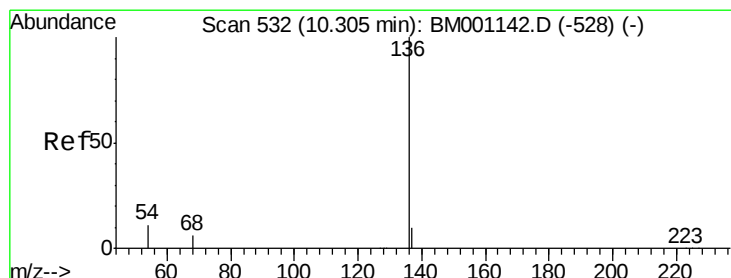
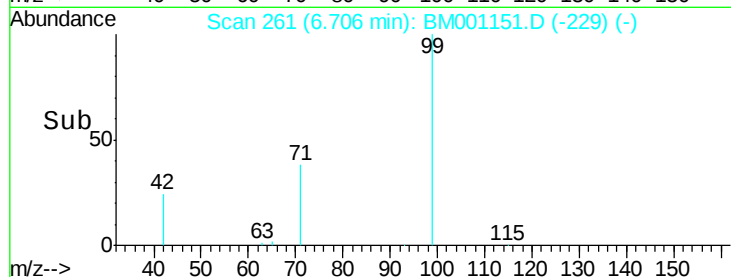
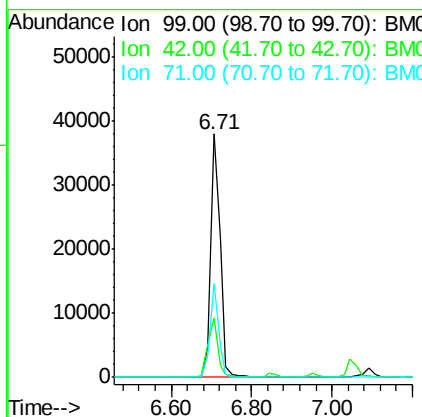
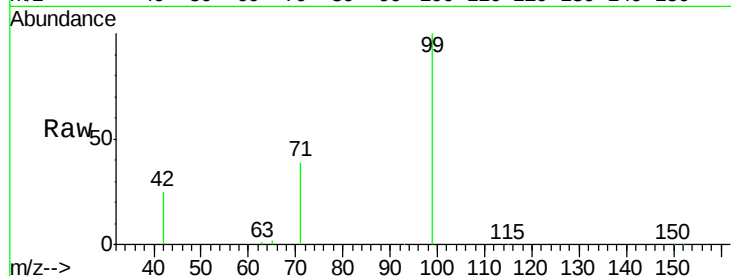
ClientSampleId :

PB83102BS

Tot Ion:	99	Resp:	62417
Ion	Ratio	Lower	Upper
99	100		
42	25.1	20.9	31.3
71	35.2	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

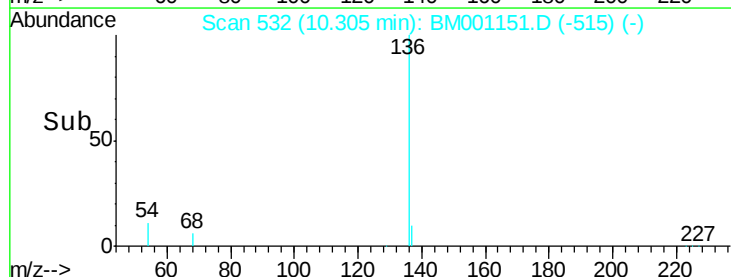
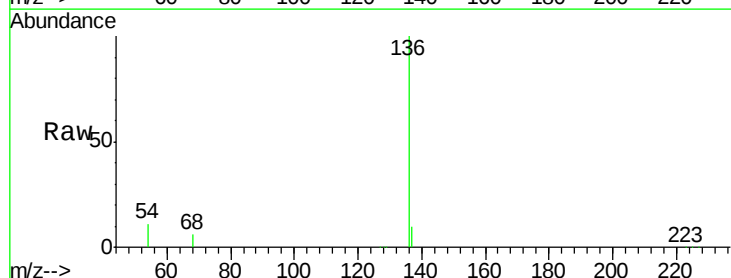
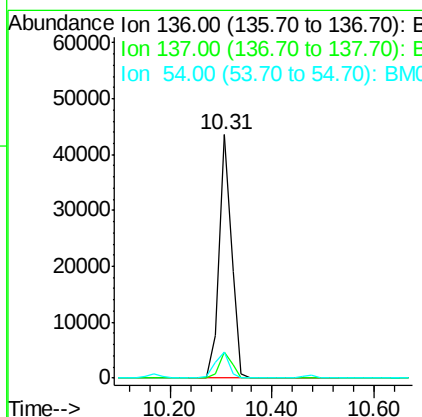
RT: 10.31 min Scan# 532

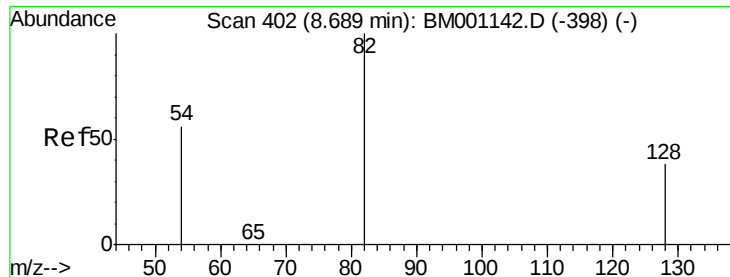
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	136	Resp:	73482
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.4
54	10.7	9.0	13.4





#7

Nitrobenzene-d5

Concen: 10.14 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

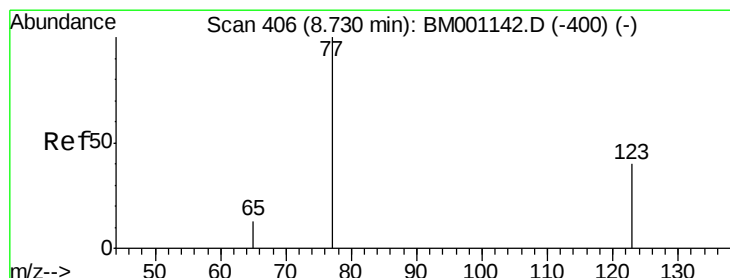
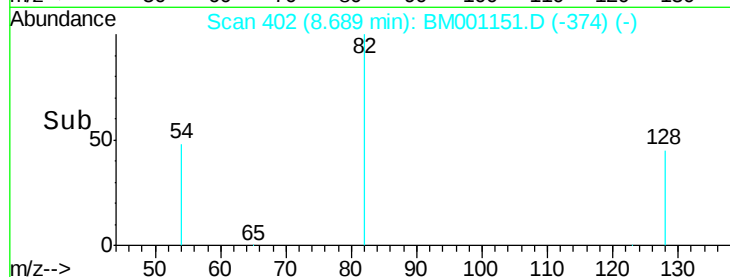
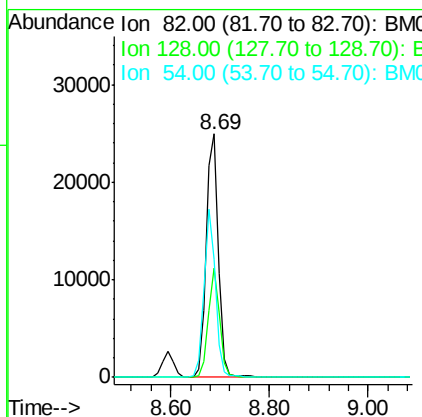
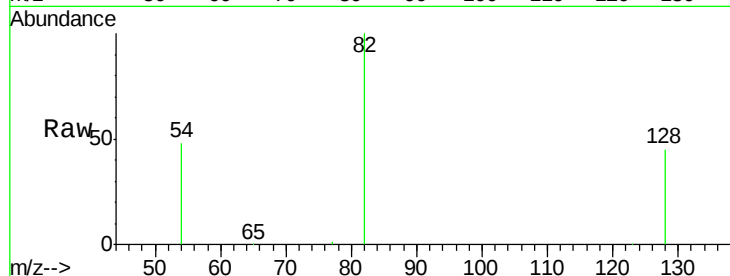
ClientSampleId :

PB83102BS

Tot Ion:	82	Resp:	42201
Ion Ratio	Lower	Upper	
82	100		
128	45.0	31.9	47.9
54	48.4	46.2	69.2

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#8

Nitrobenzene

Concen: 8.34 ng

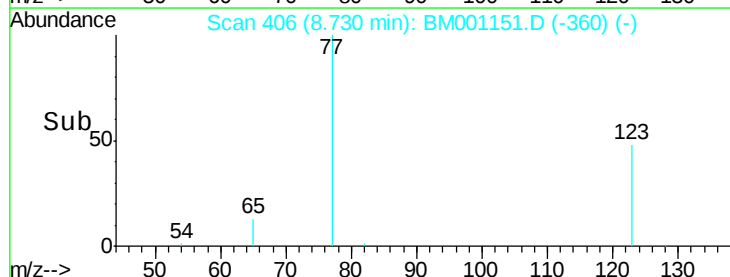
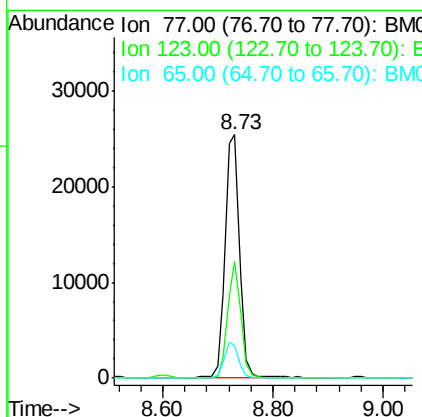
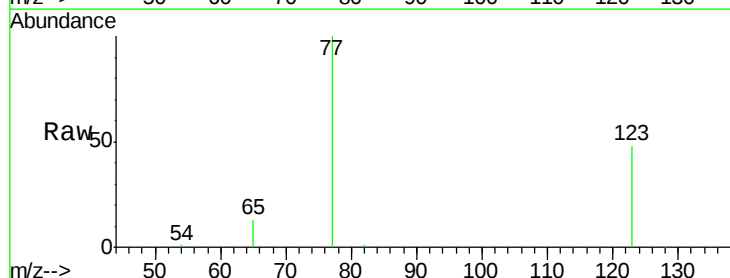
RT: 8.73 min Scan# 406

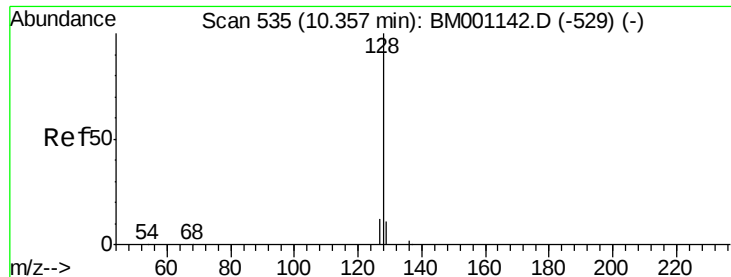
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	77	Resp:	45821
Ion Ratio	Lower	Upper	
77	100		
123	43.0	31.0	46.6
65	14.2	10.6	15.8





#9

Naphthalene

Concen: 8.07 ng

RT: 10.36 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

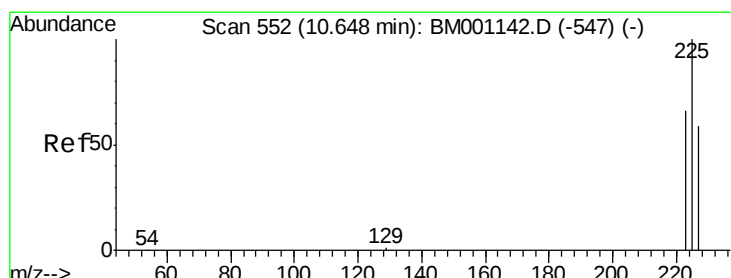
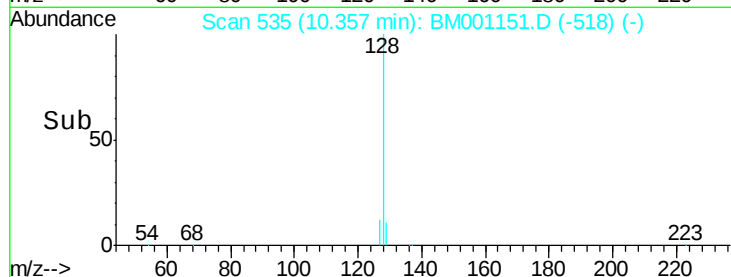
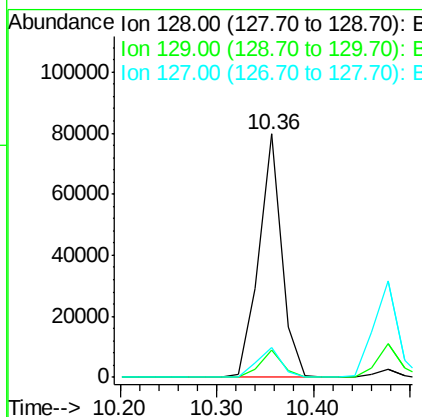
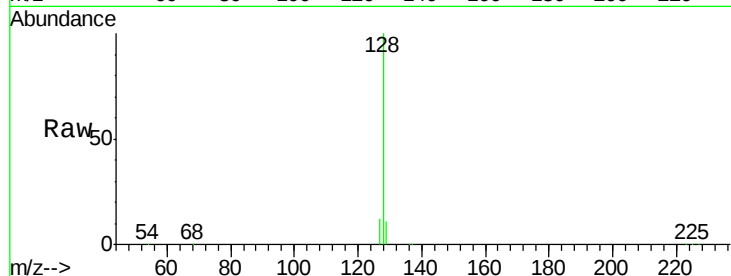
ClientSampleID :

PB83102BS

Tot Ion:	128	Resp:	130427
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	12.2	10.0	15.0

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#10

Hexachlorobutadiene

Concen: 7.88 ng

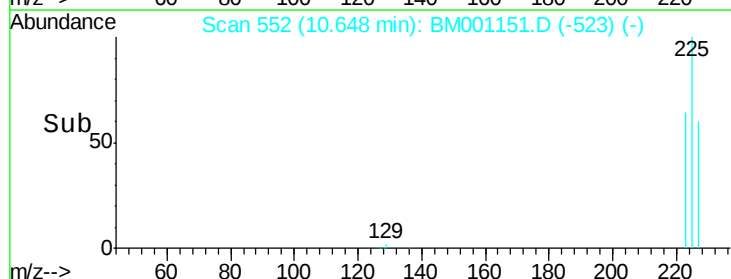
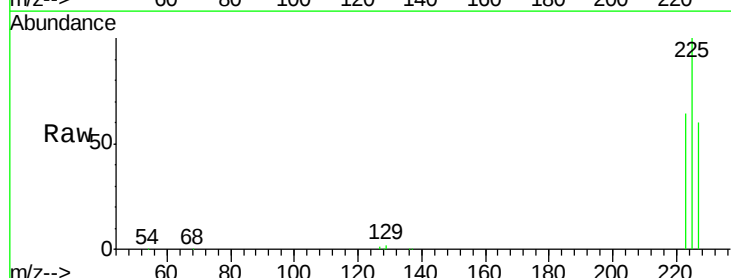
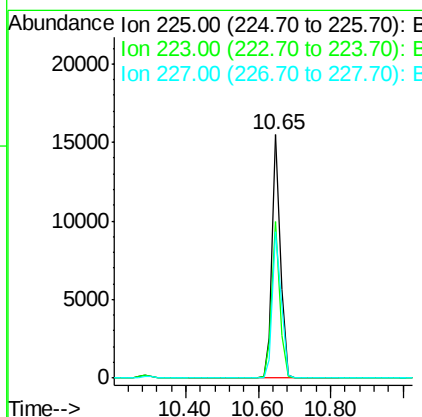
RT: 10.65 min Scan# 552

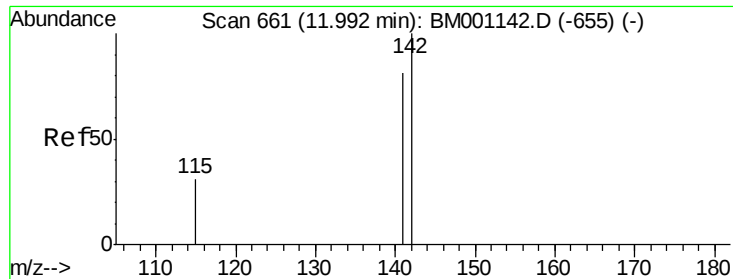
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	225	Resp:	24554
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.8	76.2
227	63.4	51.0	76.4





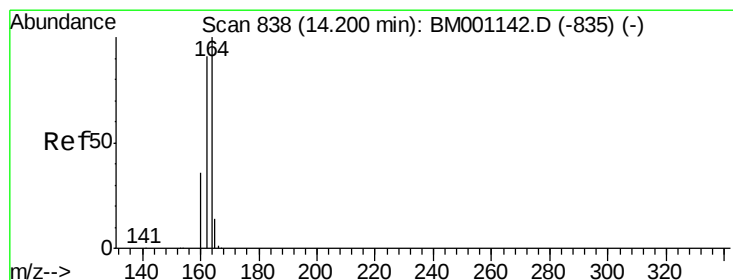
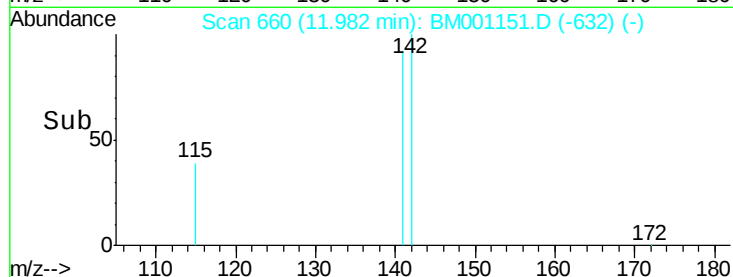
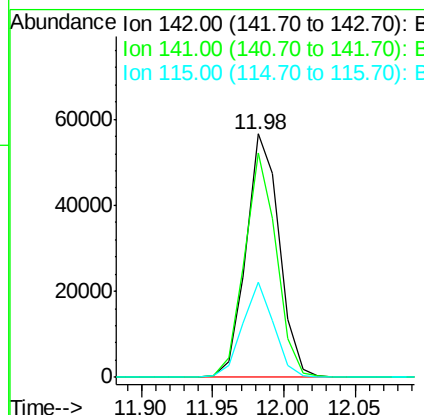
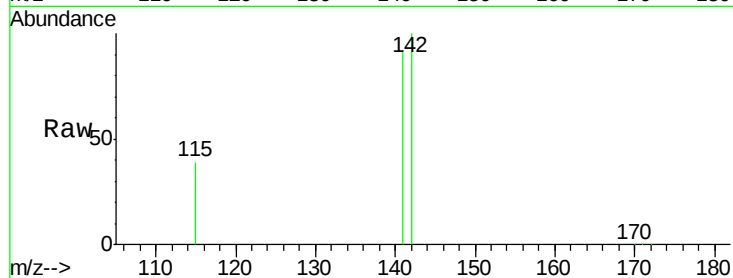
#11
2-Methylnaphthalene
Concen: 8.30 ng/mL
RT: 11.98 min Scan# 660
Delta R.T. -0.01 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
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ClientSampleId :
PB83102BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.2	65.1	97.7
115	38.9	25.1	37.7

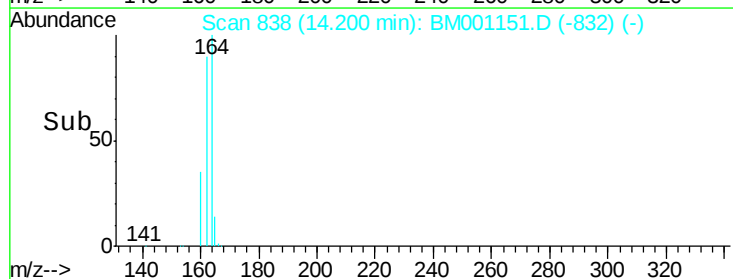
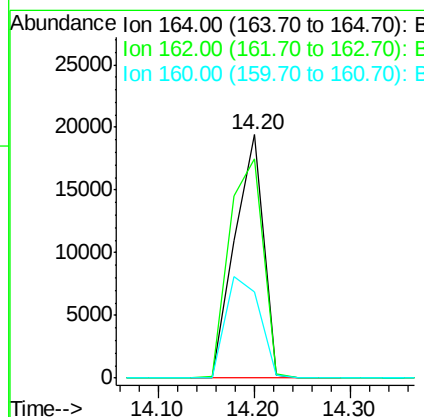
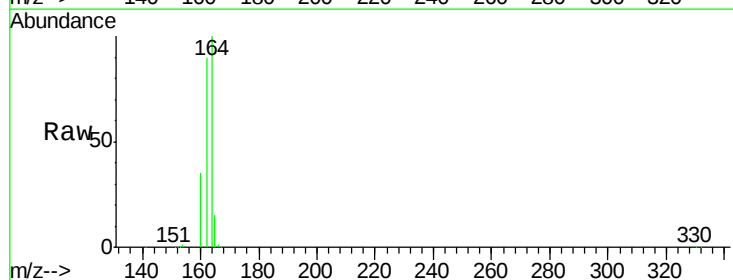
Manual Integrations
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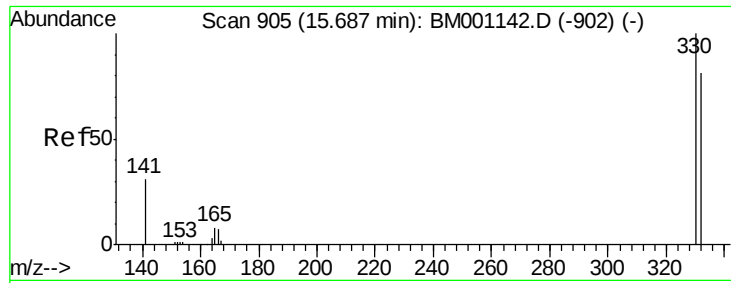
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 838
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	90.0	72.7	109.1
160	35.5	28.7	43.1





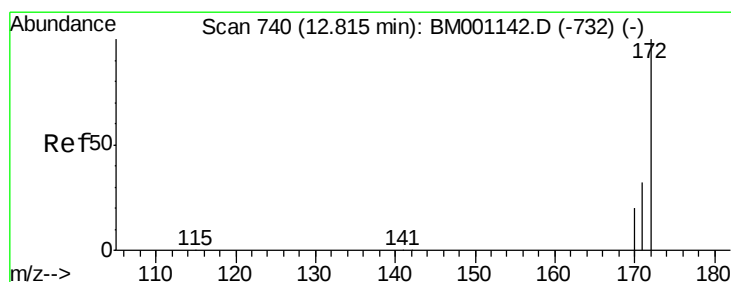
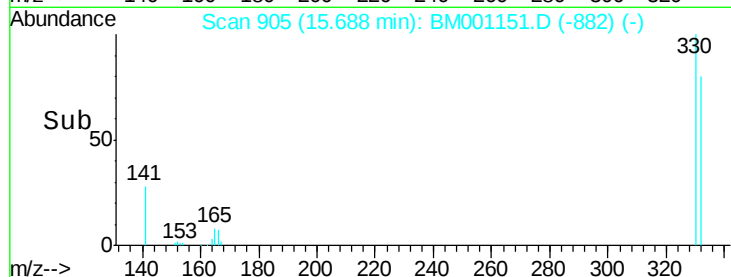
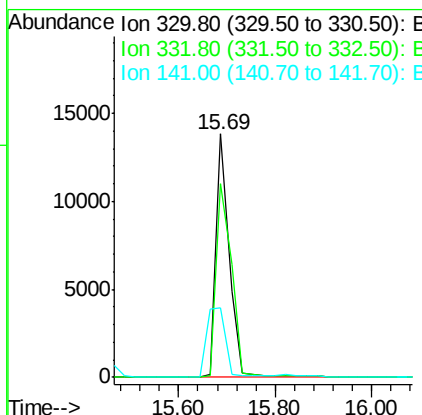
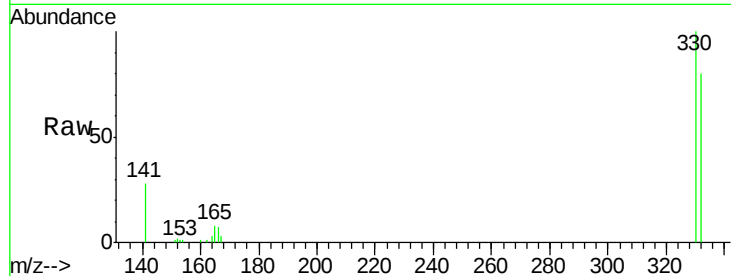
#13
 2,4,6-Tribromophenol
 Concen: 13.12 ng
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001151.D
 Acq: 02 May 2015 03:19

Instrument :
 BNA_M
 ClientSampleId :
 PB83102BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.3	74.5	111.7
141	41.3	21.0	31.4

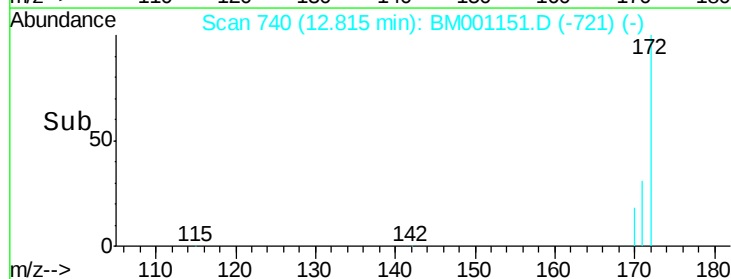
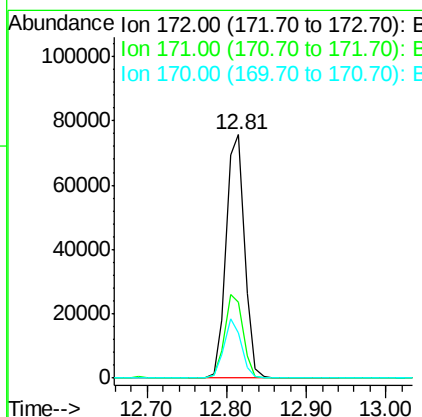
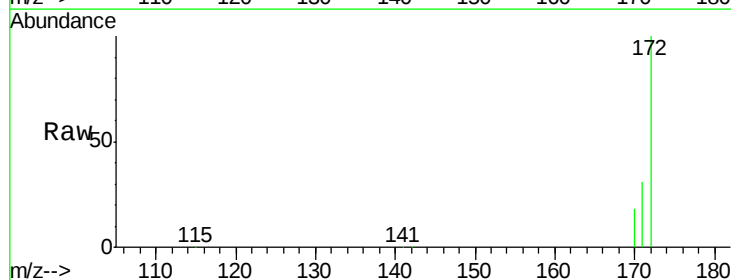
Manual Integrations
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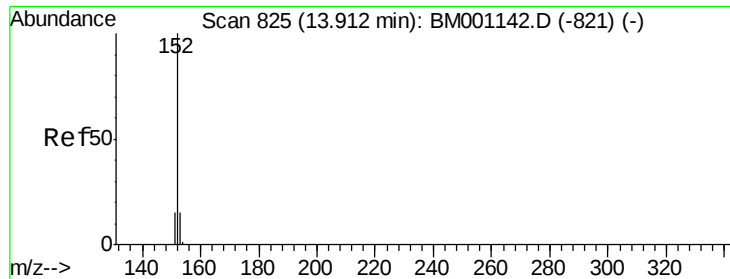
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#14
 2-Fluorobiphenyl
 Concen: 9.04 ng
 RT: 12.81 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BM001151.D
 Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.0	25.8	38.6
170	18.4	16.1	24.1





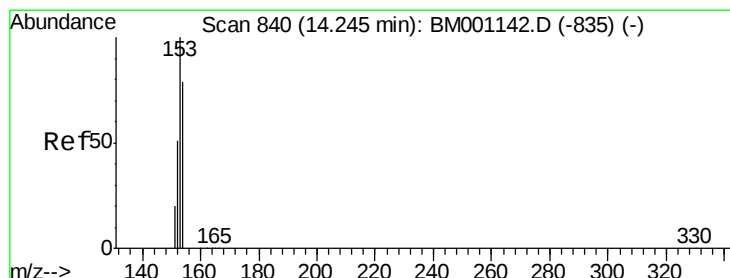
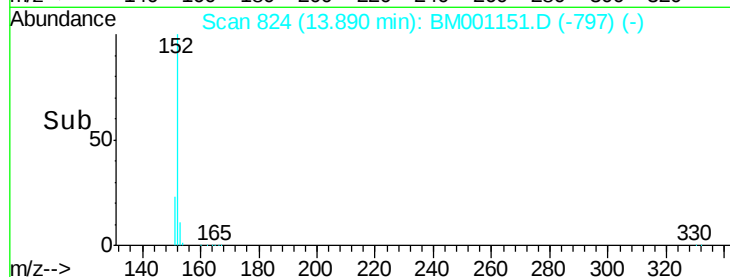
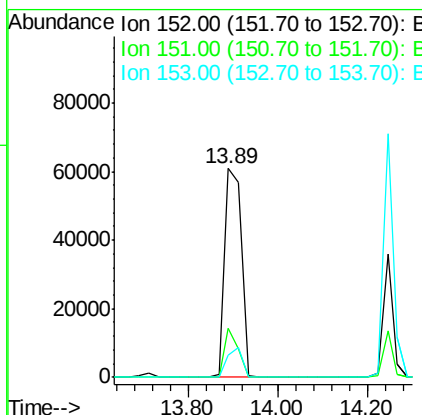
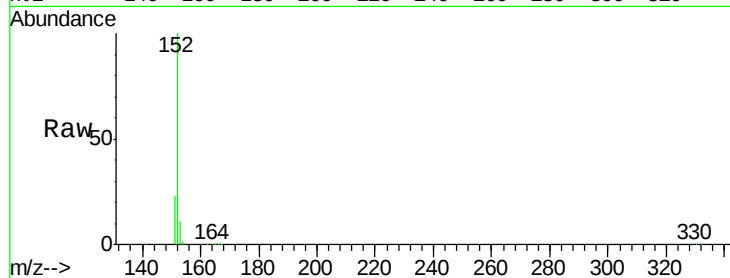
#15
Acenaphthylene
Concen: 8.98 ng
RT: 13.89 min Scan# 824
Delta R.T. -0.02 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	159570		
151	19.2	0.0	0.0	0.0
153	0.0	10.3	15.5	

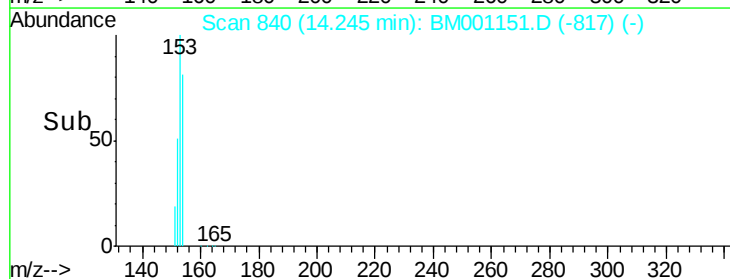
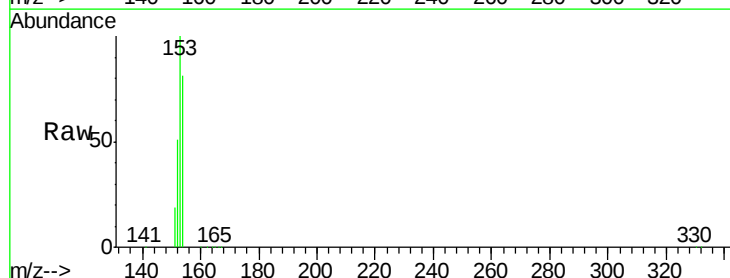
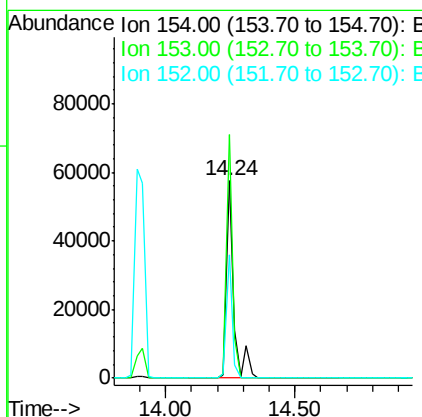
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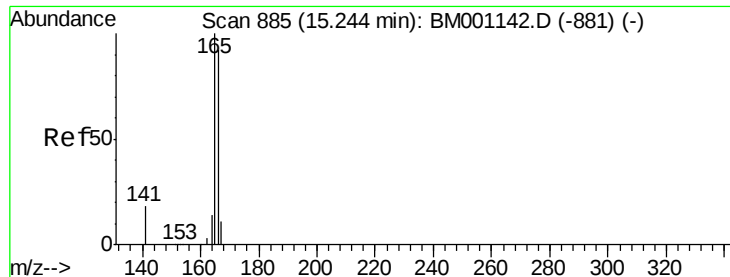
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#16
Acenaphthene
Concen: 9.10 ng
RT: 14.24 min Scan# 840
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	111641		
153	100.2	90.6	136.0	
152	49.3	45.0	67.4	





#17

Fluorene

Concen: 9.13 ng

RT: 15.24 min Scan# 885

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

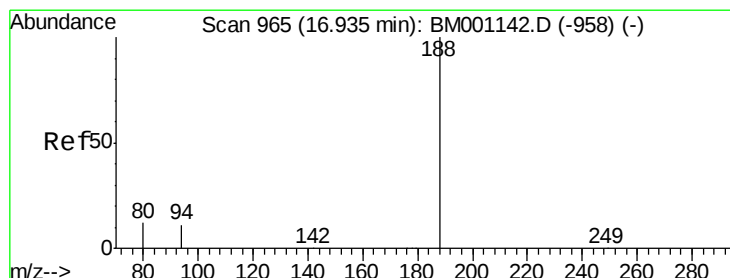
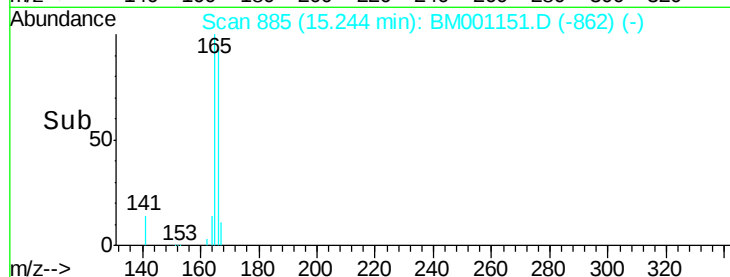
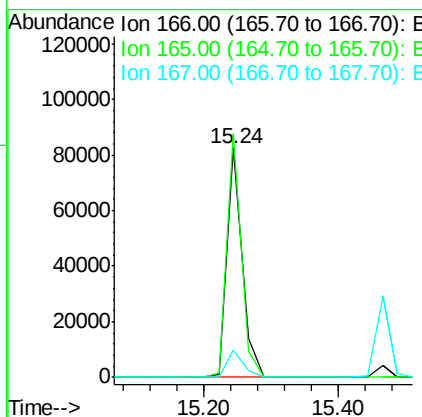
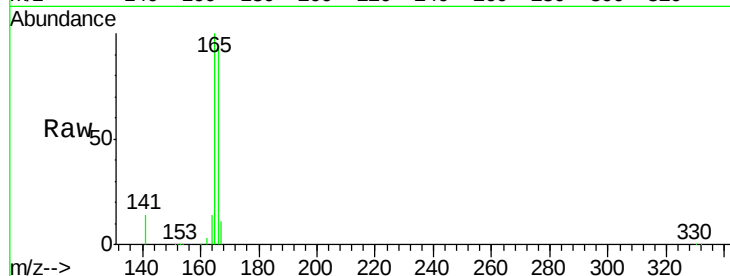
ClientSampleId :

PB83102BS

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Tot Ion:	166	Resp:	129921
Ion Ratio	Lower	Upper	
166	100		
165	101.2	81.0	121.6
167	12.9	10.4	15.6



#18

Phenanthrene-d10

Concen: 5.00 ng

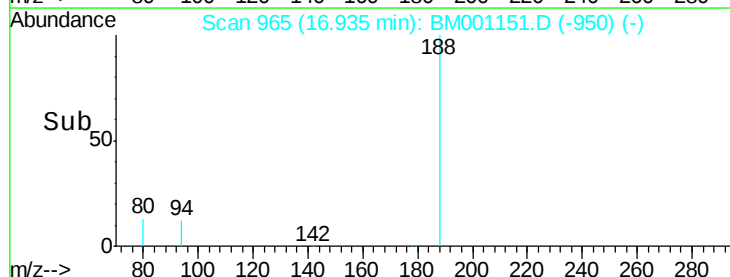
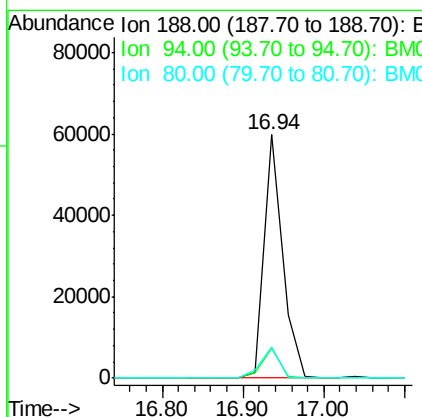
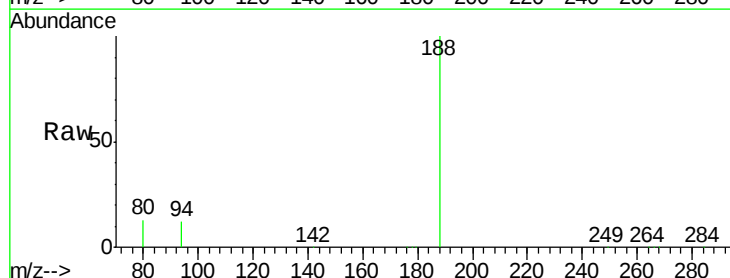
RT: 16.94 min Scan# 965

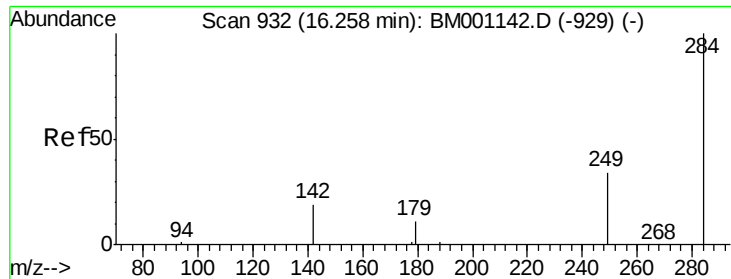
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	188	Resp:	94906
Ion Ratio	Lower	Upper	
188	100		
94	12.1	9.3	13.9
80	12.8	9.8	14.6





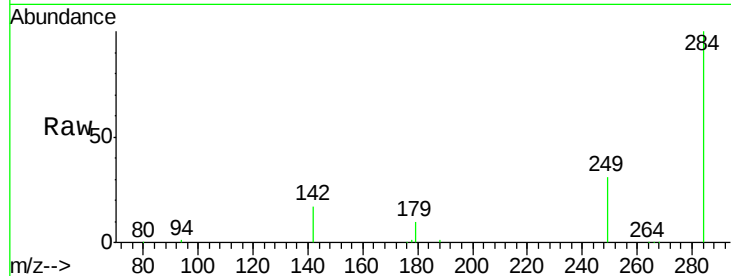
#19
Hexachlorobenzene
Concen: 8.91 ng
RT: 16.26 min Scan# 932
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

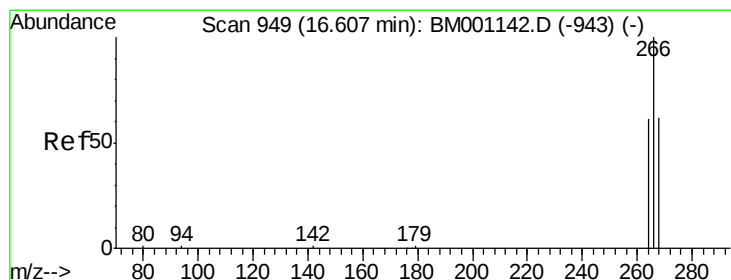
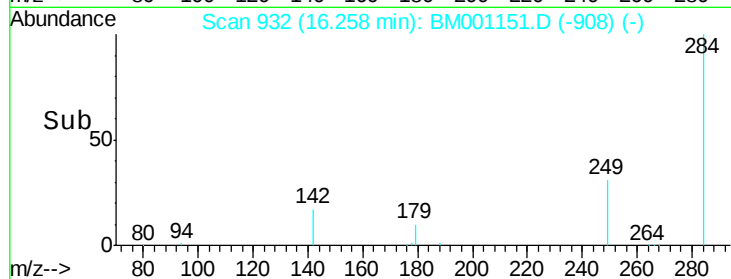
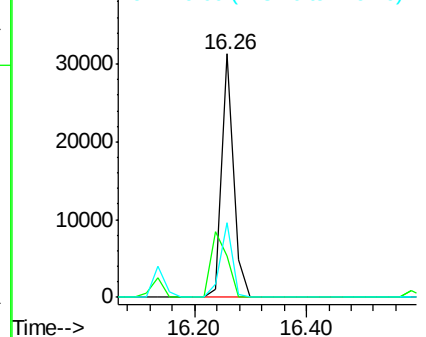
Tot Ion	Ratio	Resp	Lower	Upper
284	100	45558		
142	0.0	0.0	0.0	0.0
249	31.6	26.5	39.7	

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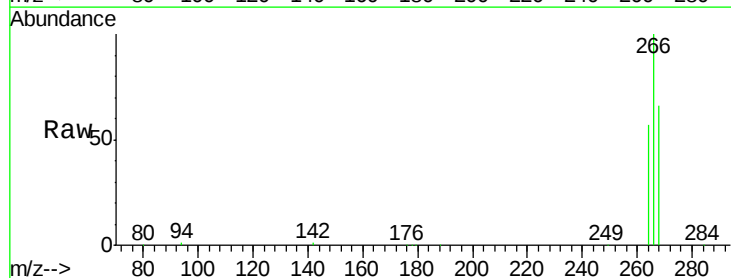


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

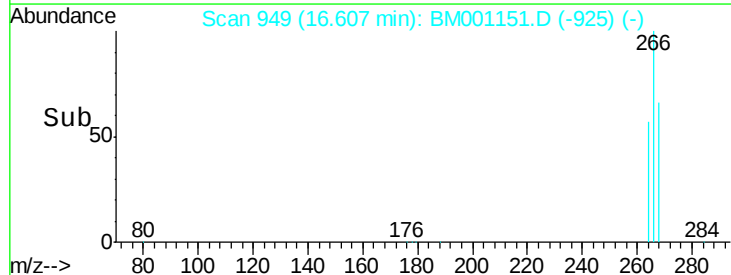
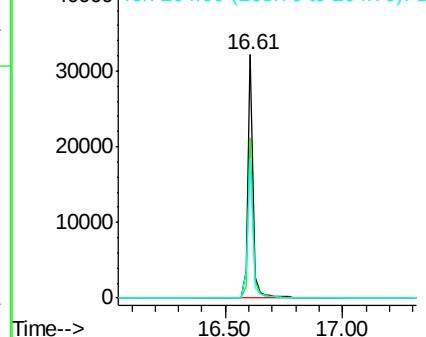


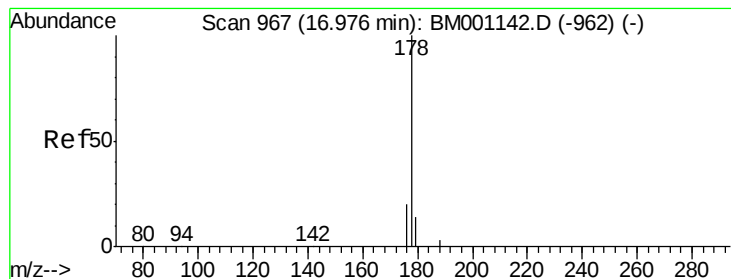
#20
Pentachlorophenol
Concen: 22.12 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	50501		
268	66.0	52.6	79.0	
264	57.3	51.0	76.4	



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





#21

Phenanthrene

Concen: 8.31 ng

RT: 16.98 min Scan# 967

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

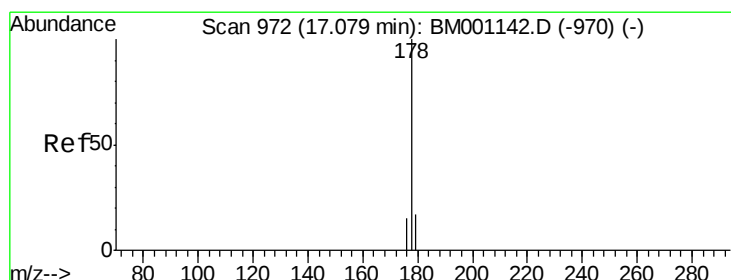
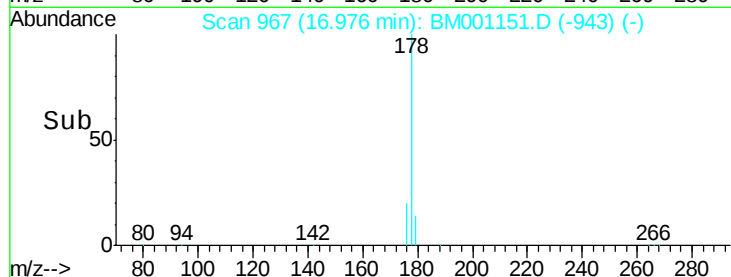
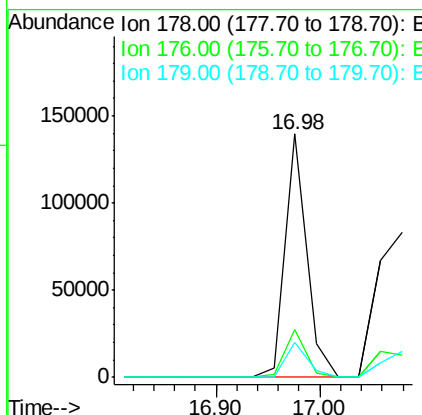
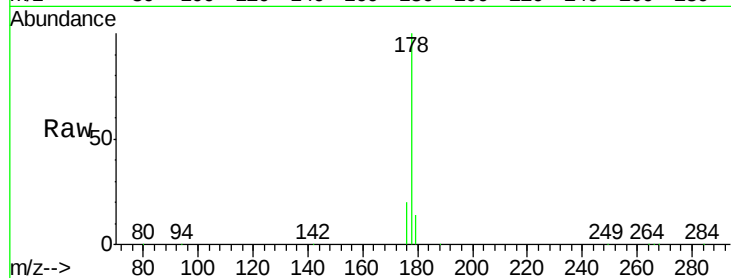
ClientSampleId :

PB83102BS

Tot Ion:	178	Resp:	202998
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.5	23.3
179	15.0	12.0	18.0

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#22

Anthracene

Concen: 9.39 ng m

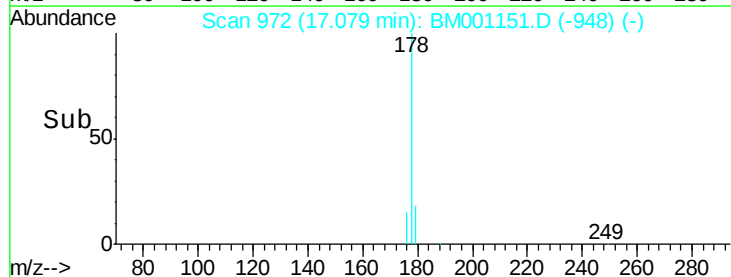
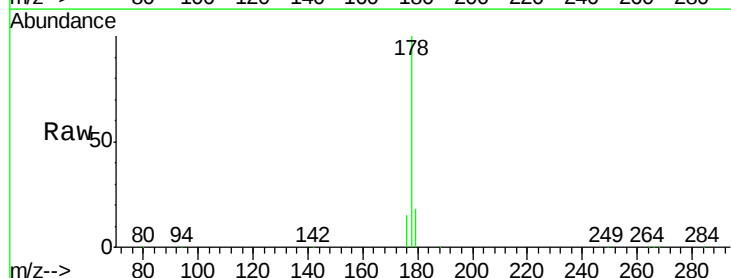
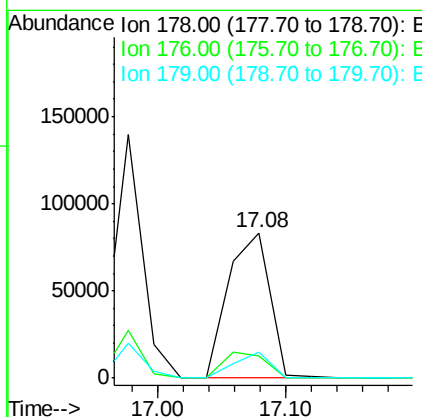
RT: 17.08 min Scan# 972

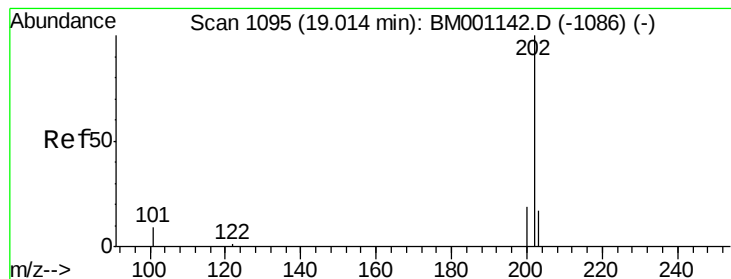
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	178	Resp:	189647
Ion Ratio	Lower	Upper	
178	100		
176	20.5	14.3	21.5
179	16.1	12.2	18.2





#23

Fluoranthene

Concen: 8.84 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Instrument :

BNA_M

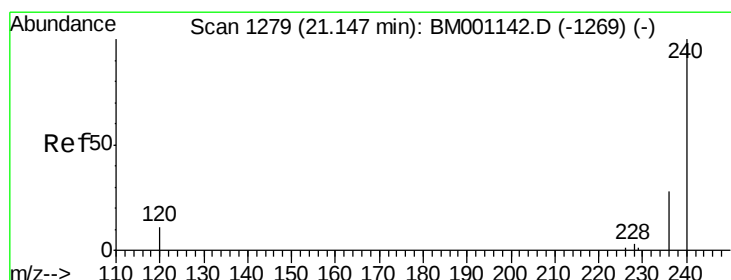
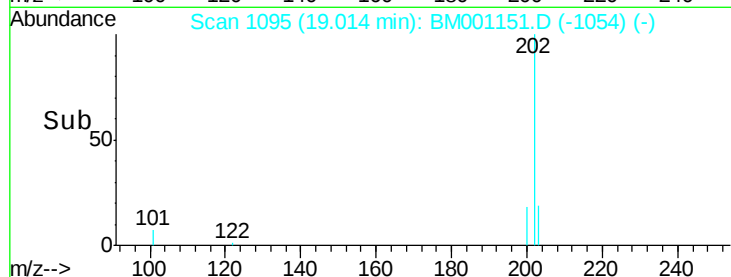
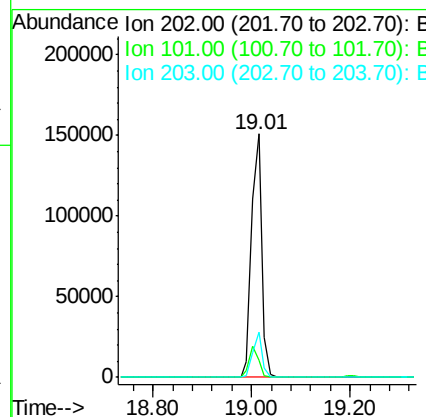
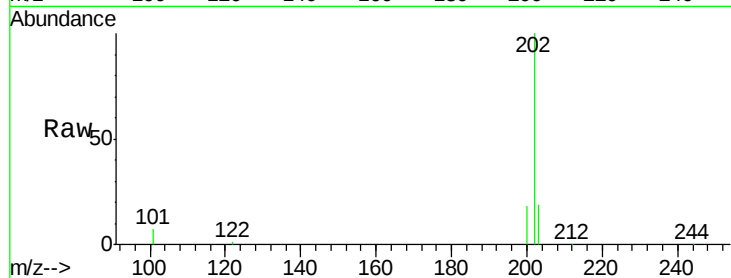
ClientSampleId :

PB83102BS

Tot Ion:	202	Resp:	218560
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.3	13.9
203	17.3	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

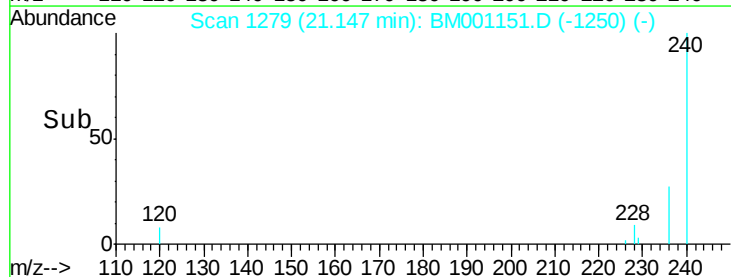
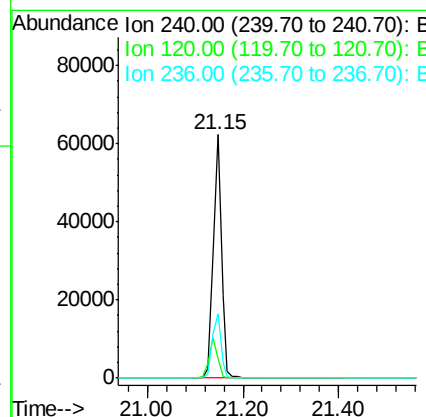
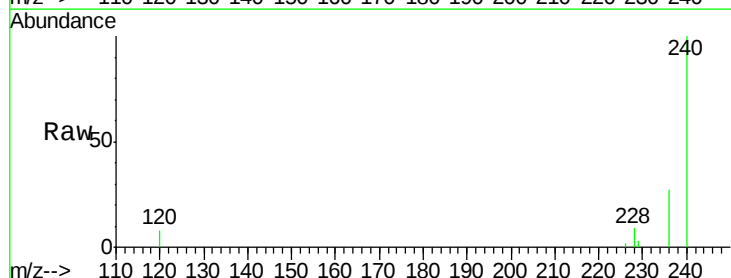
RT: 21.15 min Scan# 1279

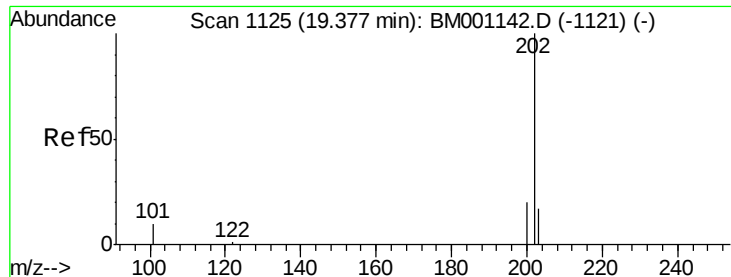
Delta R.T. 0.00 min

Lab File: BM001151.D

Acq: 02 May 2015 03:19

Tgt Ion:	240	Resp:	75355
Ion Ratio	Lower	Upper	
240	100		
120	7.8	9.2	13.8#
236	26.6	22.4	33.6





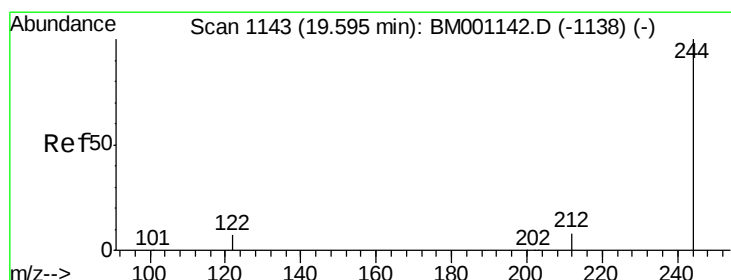
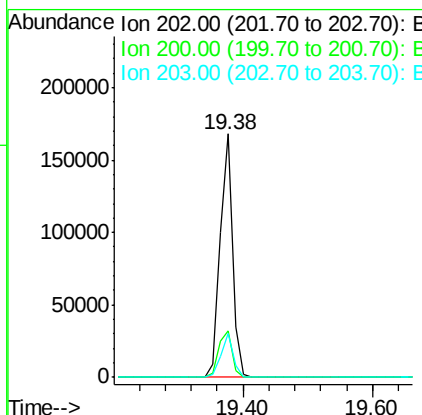
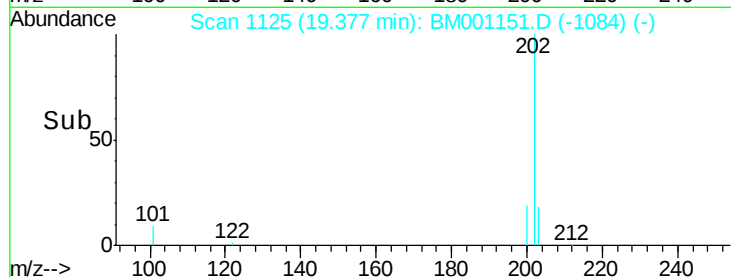
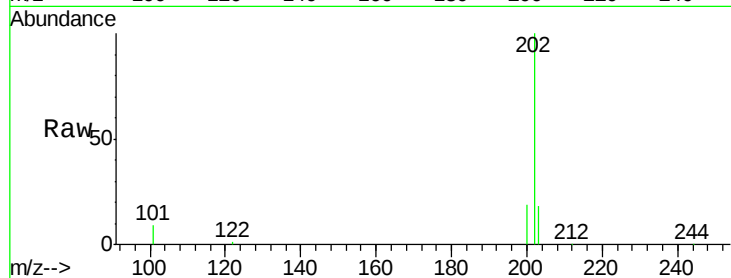
#25
Pvrene
Concen: 9.74 ng
RT: 19.38 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.4	24.6
203	17.8	13.8	20.6

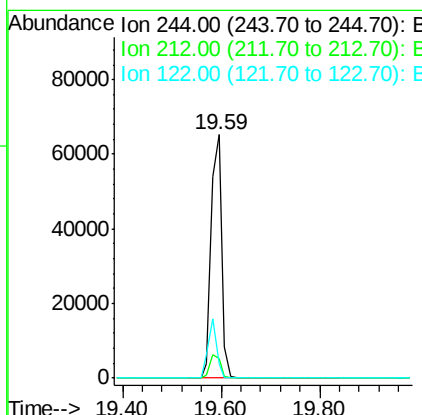
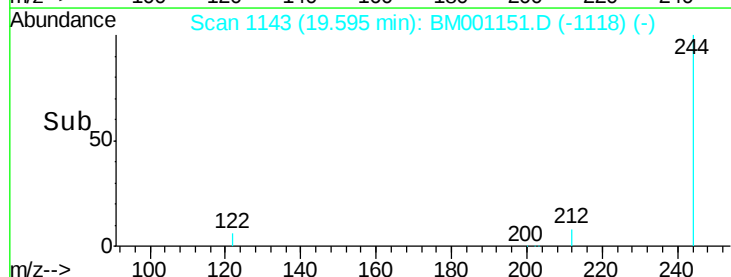
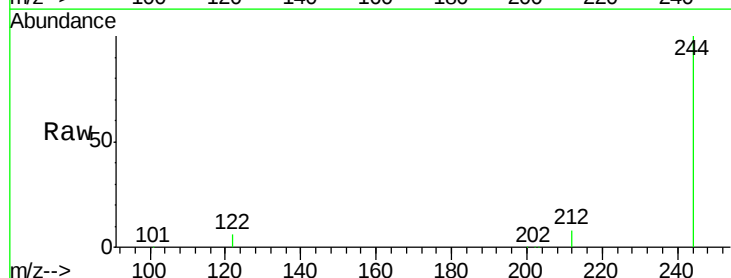
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#26
Terphenyl-d14
Concen: 9.29 ng
RT: 19.59 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	7.1	10.7
122	5.9	6.2	9.4#





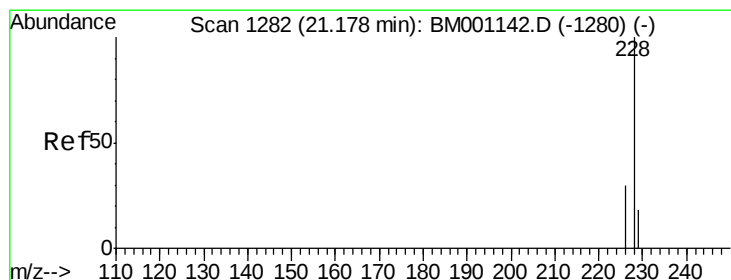
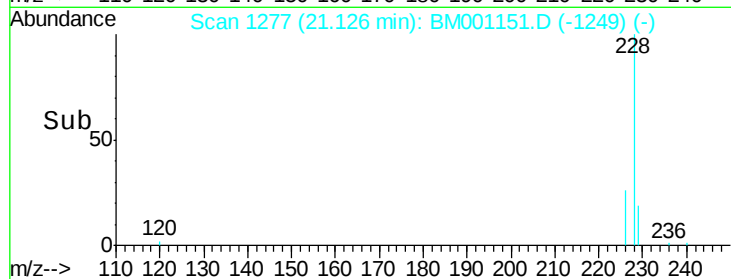
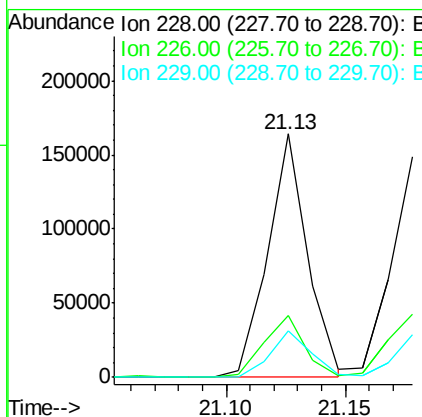
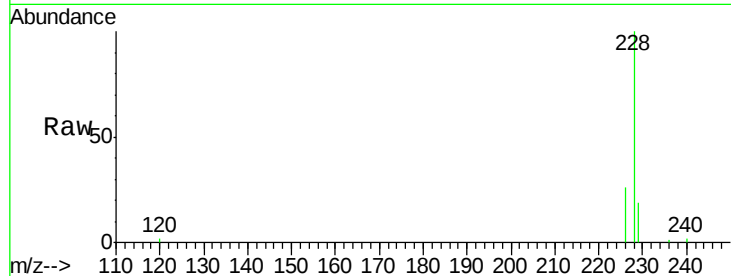
#27
Benzo(a)anthracene
Concen: 9.00 ng
RT: 21.13 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.8	34.2
229	19.0	14.4	21.6

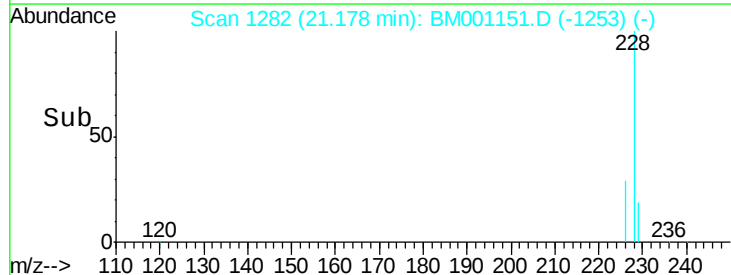
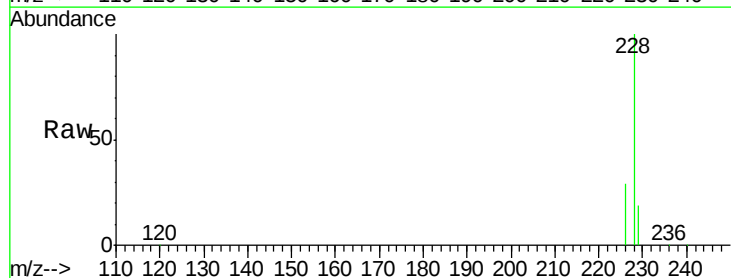
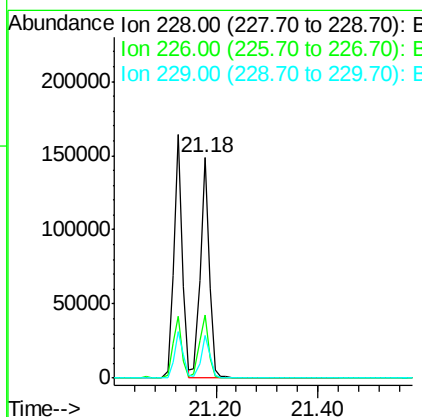
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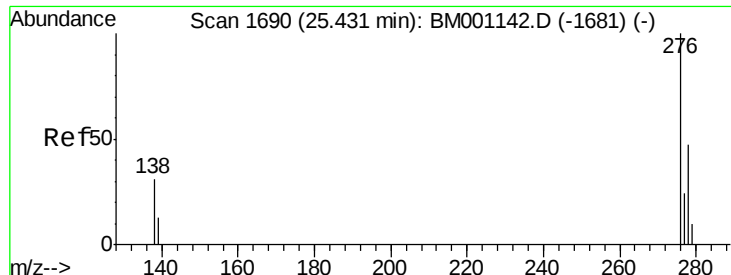
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#28
Chrysene
Concen: 8.74 ng
RT: 21.18 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.4	36.6
229	19.3	14.3	21.5





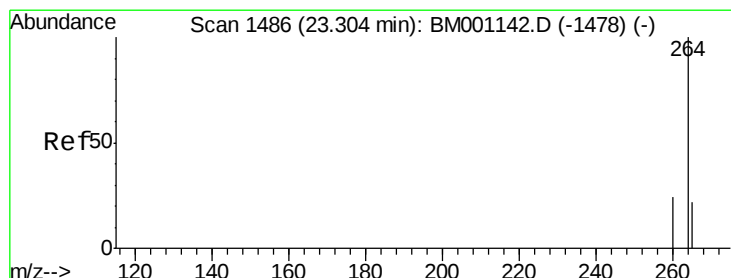
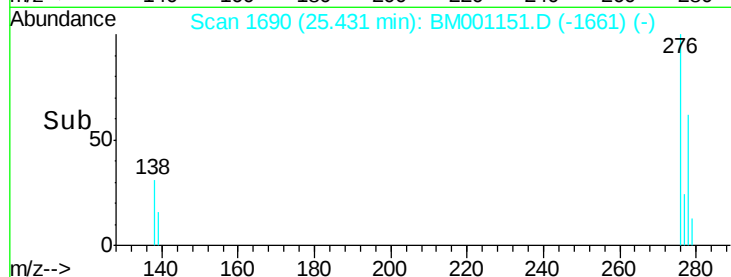
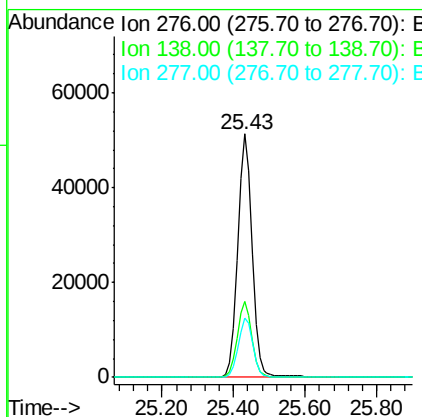
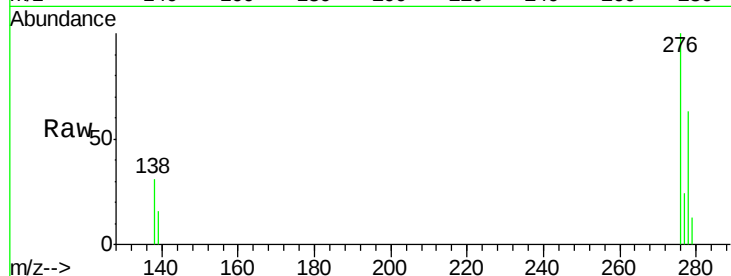
#29
Indeno(1,2,3-cd)pyrene
Concen: 7.33 ng
RT: 25.43 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	24.2	36.4
277	24.6	19.8	29.6

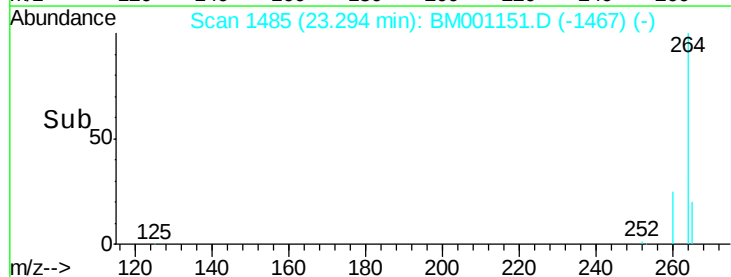
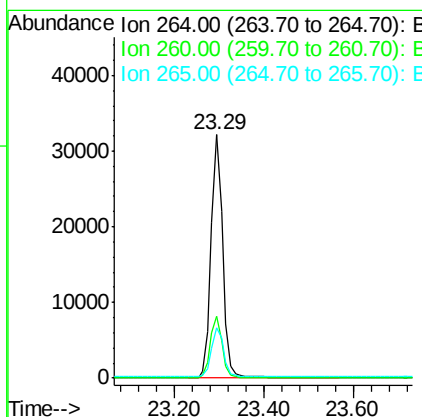
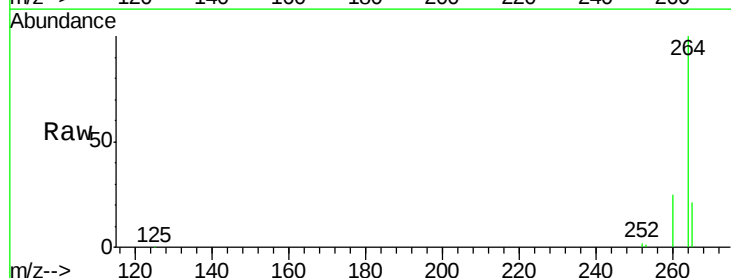
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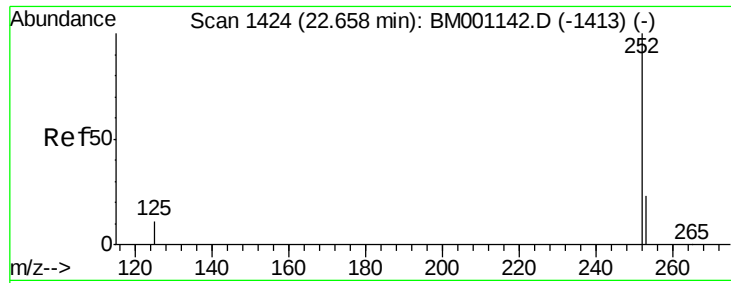
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#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.9	28.3
265	20.8	18.1	27.1





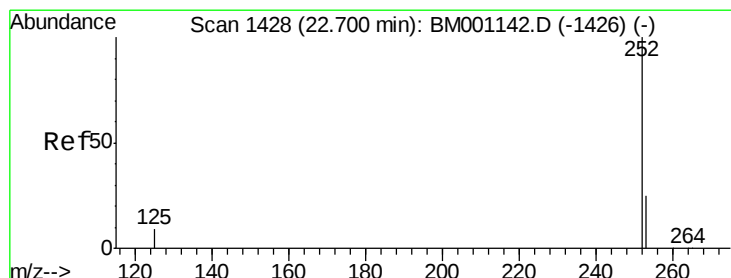
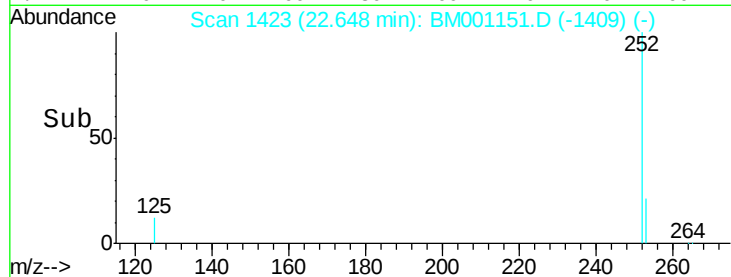
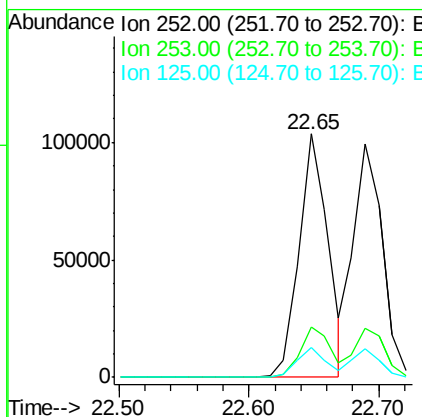
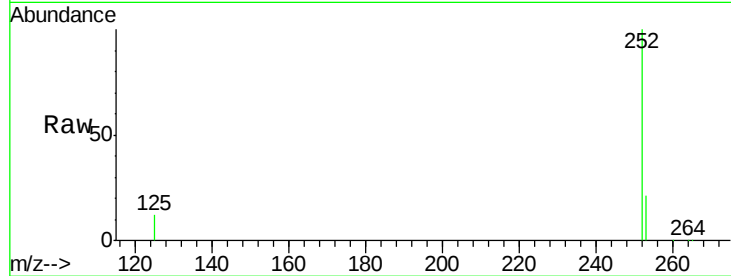
#31
Benzo(b)fluoranthene
Concen: 9.01 ng
RT: 22.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	20.6	19.0	28.4
125	12.2	9.1	13.7

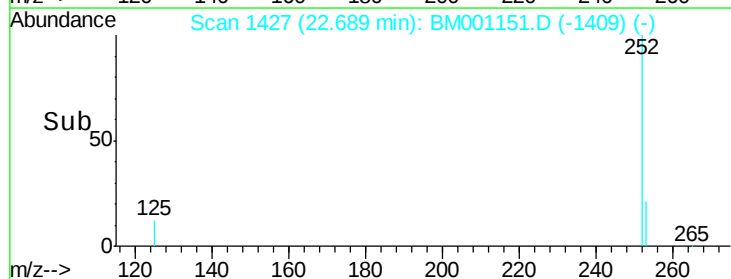
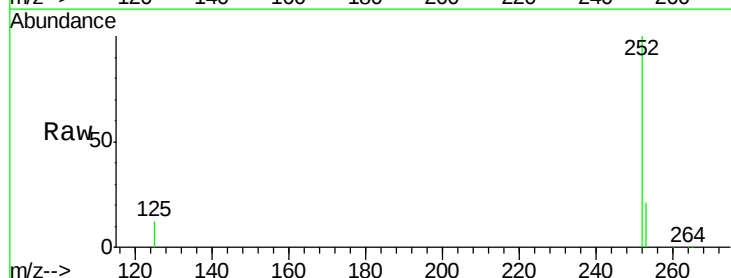
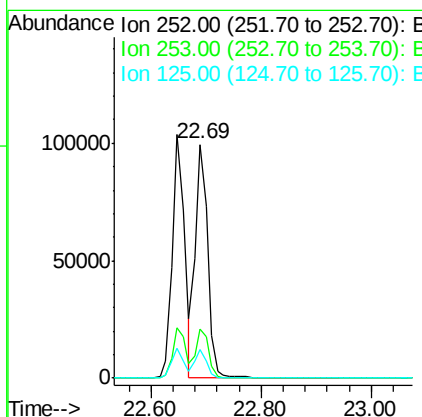
Manual Integrations
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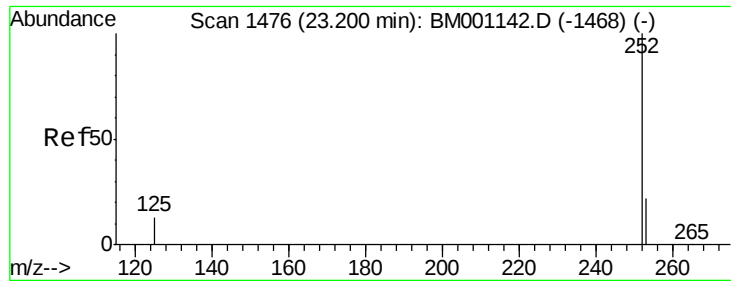
apatel
5/5/2015 8:03:52 AM



#32
Benzo(k)fluoranthene
Concen: 9.38 ng
RT: 22.69 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	20.8	19.1	28.7
125	12.3	9.3	13.9





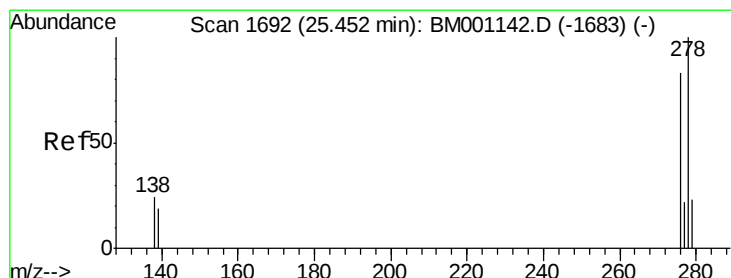
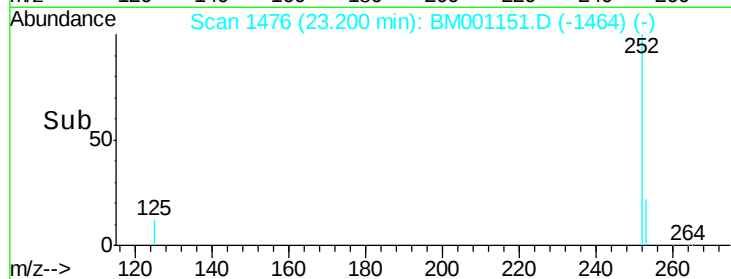
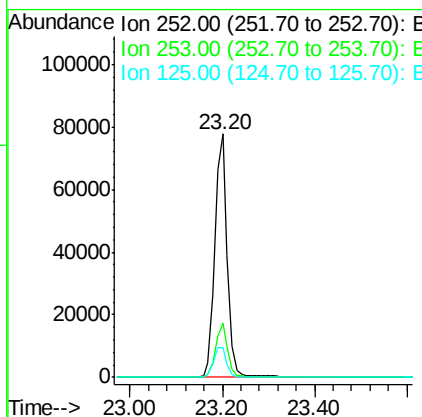
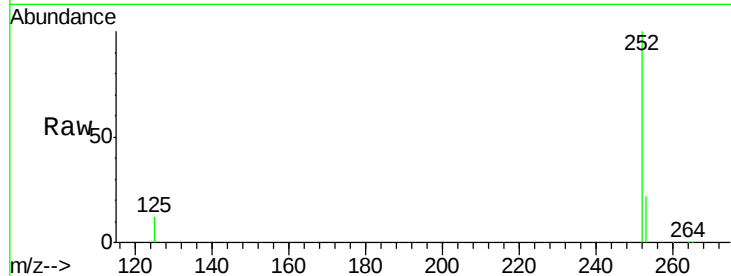
#33
Benzo(a)pyrene
Concen: 9.64 ng
RT: 23.20 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Instrument :
BNA_M
ClientSampleId :
PB83102BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.5	10.6	16.0

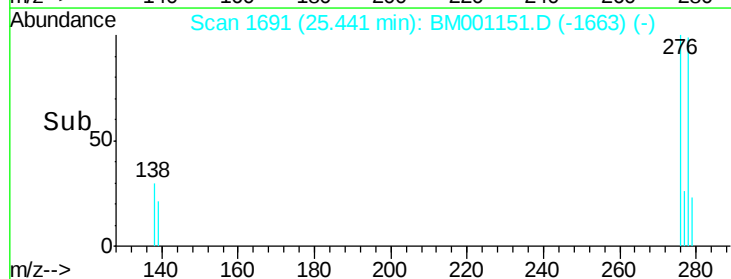
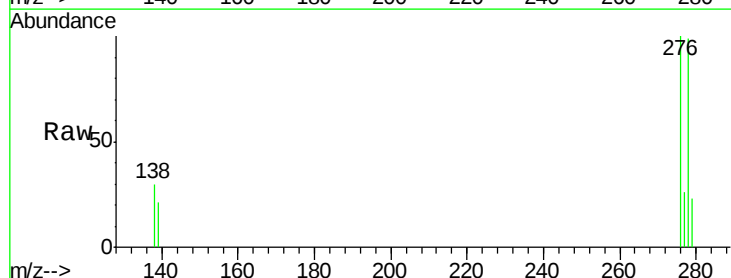
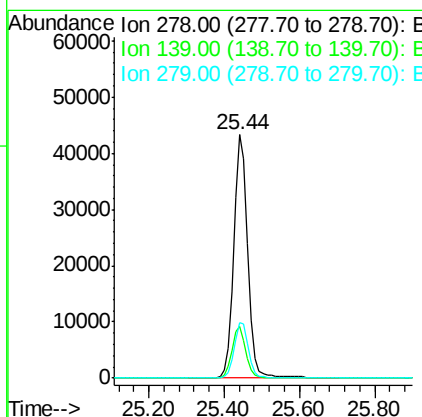
Manual Integrations
APPROVED

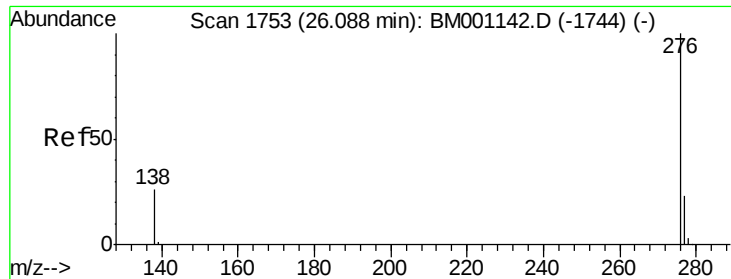
apatel
5/5/2015 8:03:52 AM



#34
Dibenzo(a,h)anthracene
Concen: 8.56 ng
RT: 25.44 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BM001151.D
Acq: 02 May 2015 03:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.5	23.3
279	22.8	19.7	29.5





#35
 Benzo(a,h,i)perylene
 Concen: 8.24 ng
 RT: 26.09 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM001151.D
 Acq: 02 May 2015 03:19

Instrument :
 BNA_M
 ClientSampleId :
 PB83102BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	26.0	21.3	31.9

Manual Integrations
 APPROVED

apatel
 5/5/2015 8:03:52 AM

