

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001150.D
 Acq On : 02 May 2015 02:43
 Operator : TP/IZ
 Sample : PB83018BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83018BSD

Manual Integrations
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 5/5/2015 8:03:47 AM

Quant Time: May 04 17:05:50 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	15185	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	61821	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	34400	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	79424	5.00	ng	0.00
24) Chrysene-d12	21.15	240	62662	5.00	ng	0.00
30) Perylene-d12	23.29	264	46266	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	43786	14.83	ng	-0.01
5) Phenol-d6	6.71	99	60229	16.55	ng	0.00
7) Nitrobenzene-d5	8.69	82	40966	11.70	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	25629	15.11	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	117688	10.34	ng	0.00
26) Terphenyl-d14	19.59	244	92800	10.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	12113	9.75	ng	# 77
3) n-Nitrosodimethylamine	3.32	42	18813	10.12	ng	99
8) Nitrobenzene	8.73	77	46107	9.95	ng	94
9) Naphthalene	10.36	128	131652	9.69	ng	99
10) Hexachlorobutadiene	10.65	225	24701	9.43	ng	100
11) 2-Methylnaphthalene	11.98	142	92131m	9.88	ng	
15) Acenaphthylene	13.89	152	162296	10.79	ng	# 67
16) Acenaphthene	14.24	154	113034	10.88	ng	89
17) Fluorene	15.24	166	130096	10.80	ng	100
19) Hexachlorobenzene	16.26	284	46127	10.78	ng	# 96
20) Pentachlorophenol	16.61	266	50224	26.21	ng	95
21) Phenanthrene	16.98	178	204739	10.01	ng	100
22) Anthracene	17.08	178	186270m	11.02	ng	
23) Fluoranthene	19.01	202	219373	10.60	ng	100
25) Pyrene	19.38	202	228229	11.66	ng	99
27) Benzo(a)anthracene	21.13	228	188929	10.69	ng	96
28) Chrysene	21.18	228	176627	10.18	ng	98
29) Indeno(1,2,3-cd)pyrene	25.43	276	136001	8.60	ng	99
31) Benzo(b)fluoranthene	22.65	252	152404	10.70	ng	95
32) Benzo(k)fluoranthene	22.69	252	152969	11.46	ng	95
33) Benzo(a)pyrene	23.20	252	139757	11.63	ng	99
34) Dibenzo(a,h)anthracene	25.44	278	109403	10.38	ng	96
35) Benzo(g,h,i)perylene	26.09	276	111531	10.03	ng	99

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

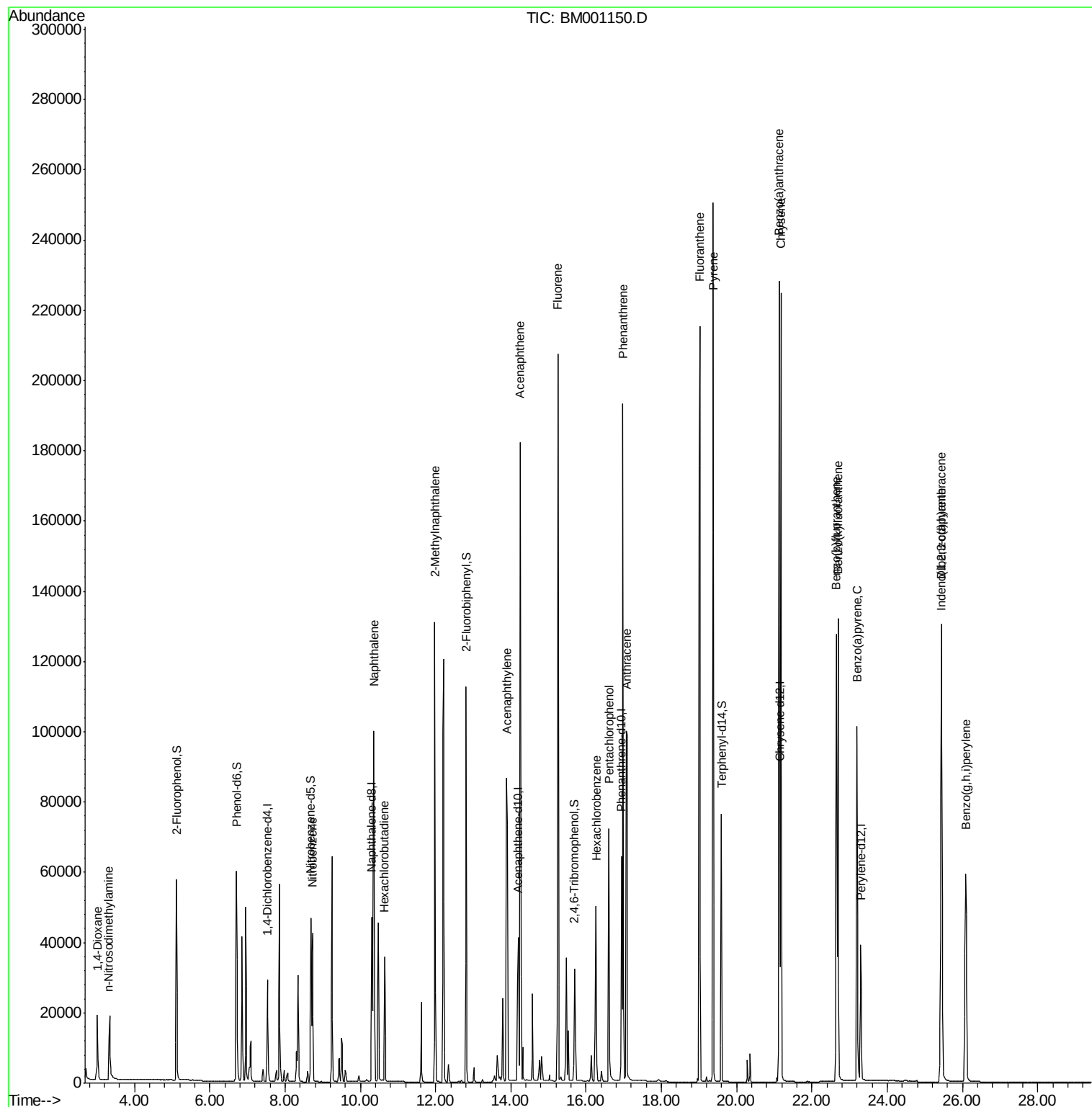
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
Data File : BM001150.D
Acq On : 02 May 2015 02:43
Operator : TP/IZ
Sample : PB83018BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

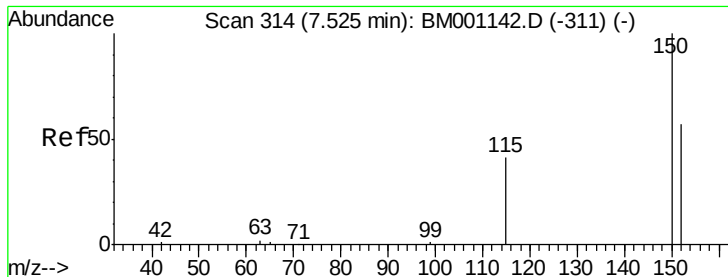
Instrument :
BNA_M
ClientSampleId :
PB83018BSD

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

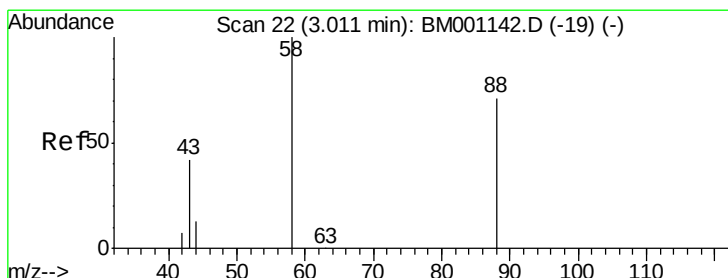
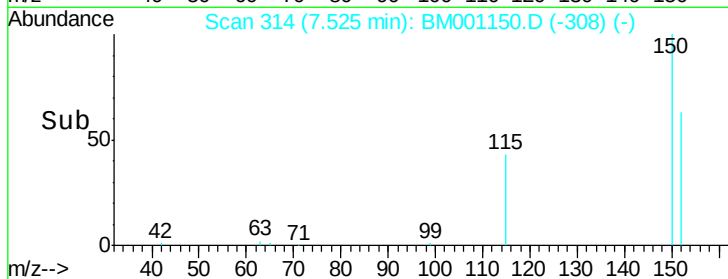
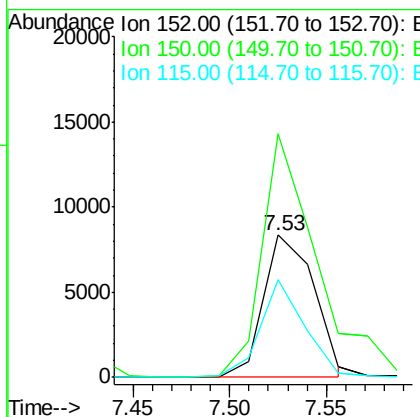
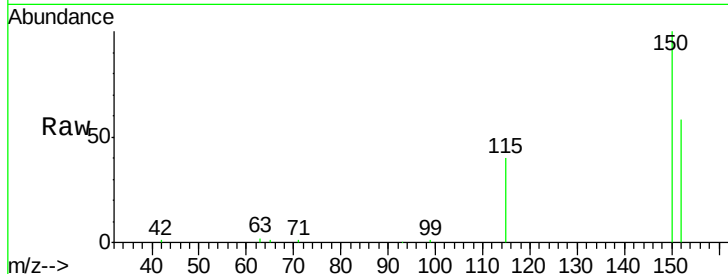
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.53 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	171.3	140.1	210.1
115	69.0	57.8	86.6

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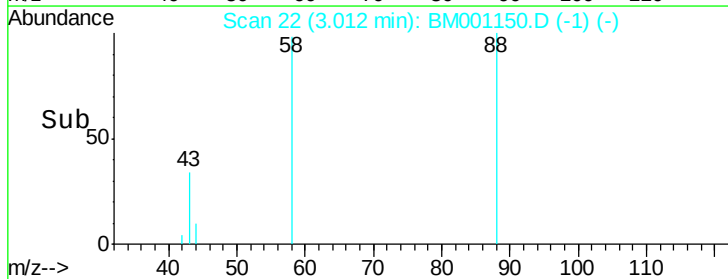
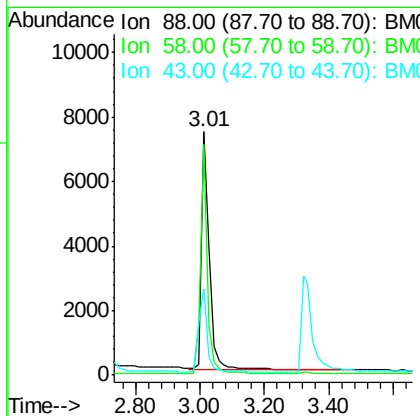
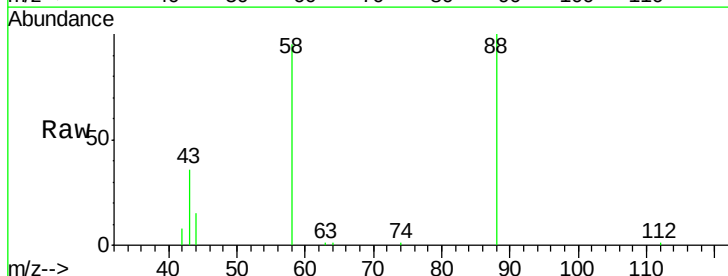
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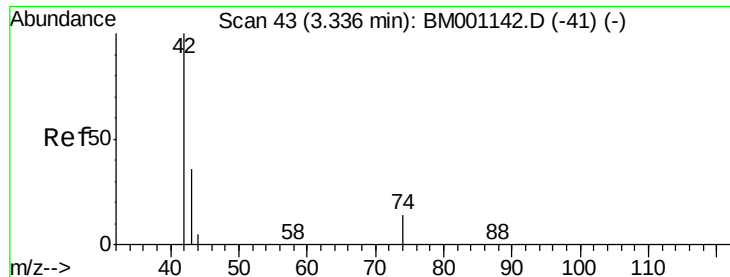


#2

1,4-Dioxane
Concen: 9.75 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

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





#3

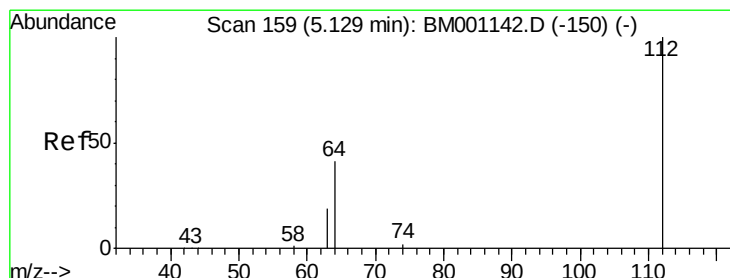
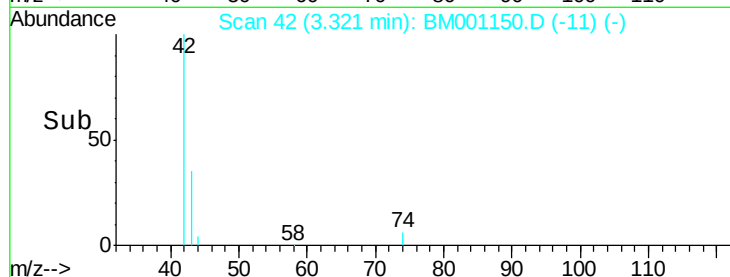
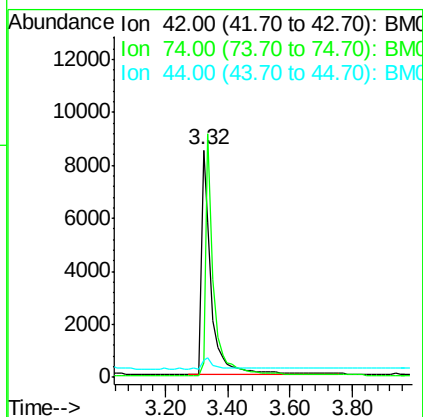
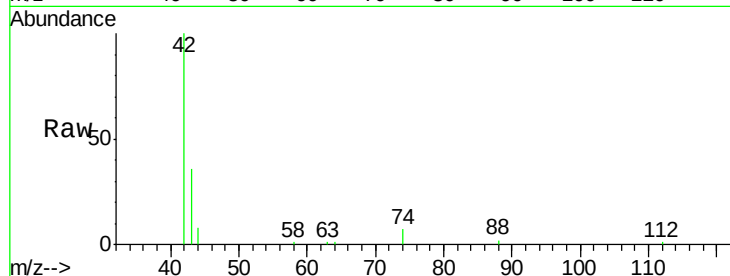
n-Nitrosodimethylamine
Concen: 10.12 ng
RT: 3.32 min Scan# 42
Delta R.T. -0.02 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
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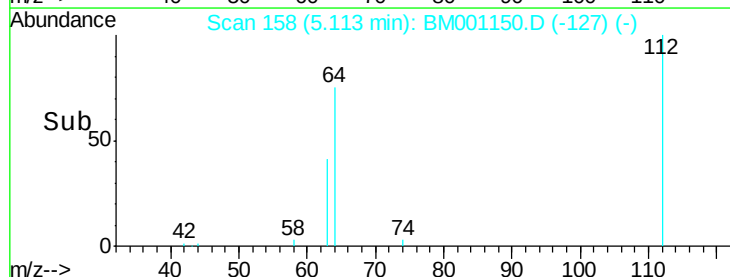
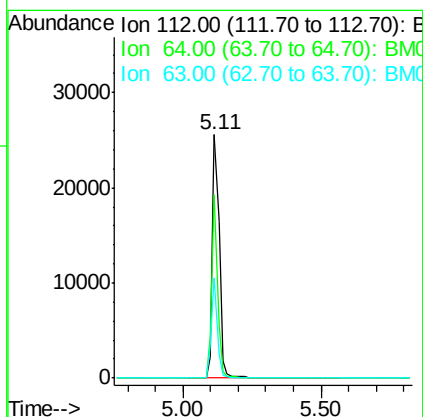
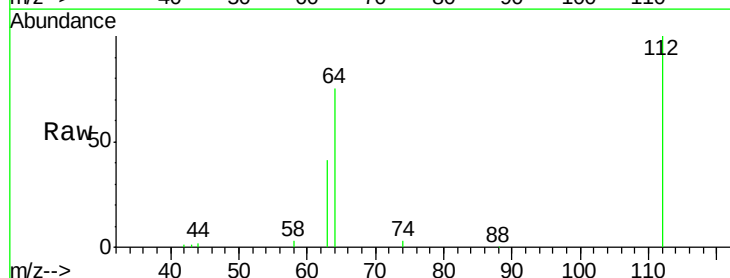
Tot Ion	Ratio	Lower	Upper
42	100		
74	91.2	72.0	108.0
44	5.4	3.7	5.5

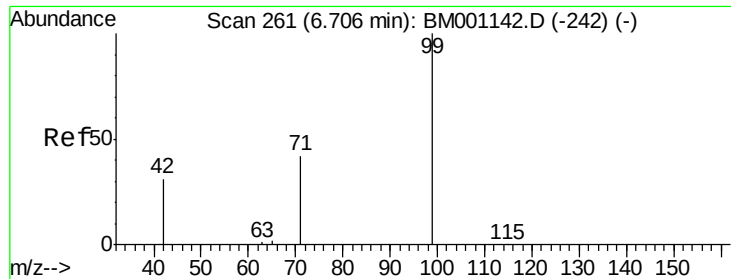


#4

2-Fluorophenol
Concen: 14.83 ng
RT: 5.11 min Scan# 158
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.6	79.0
63	35.9	29.5	44.3





#5

Phenol-d6

Concen: 16.55 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

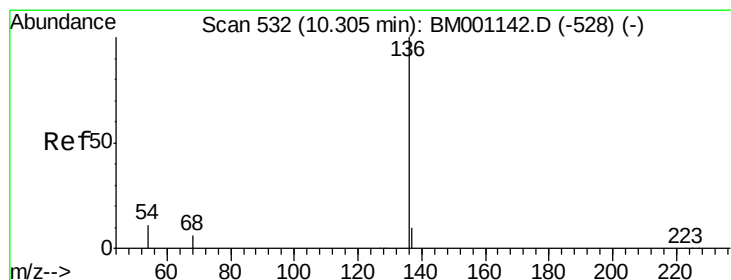
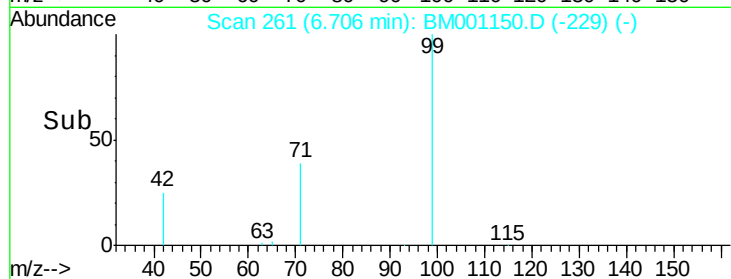
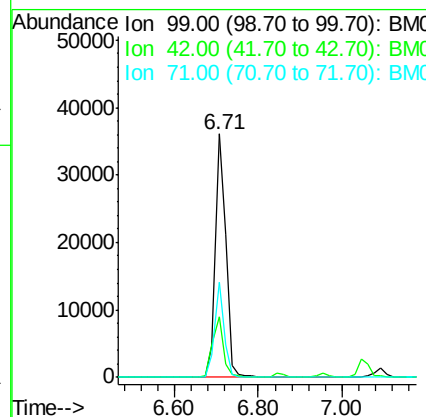
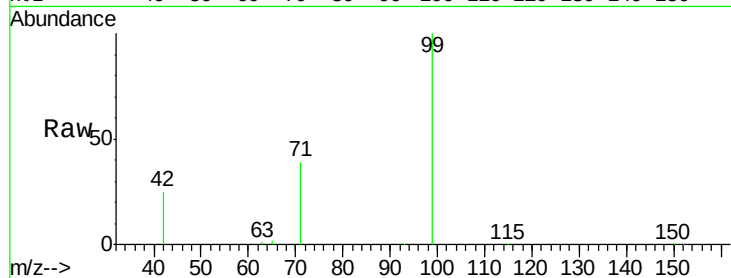
ClientSampleId :

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Tot Ion:	99	Resp:	60229
Ion Ratio	Lower	Upper	
99	100		
42	25.2	20.9	31.3
71	35.2	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

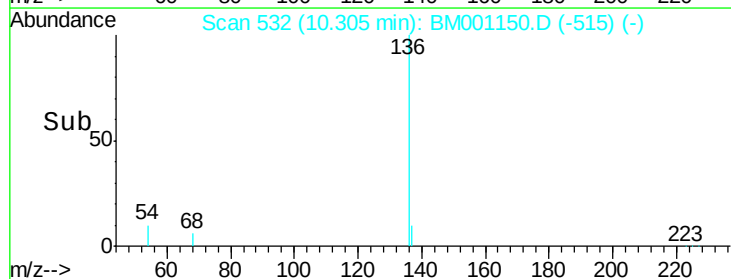
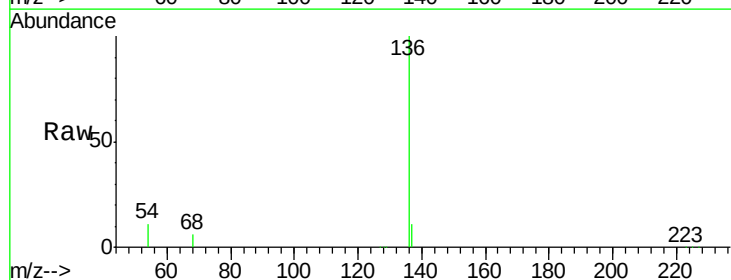
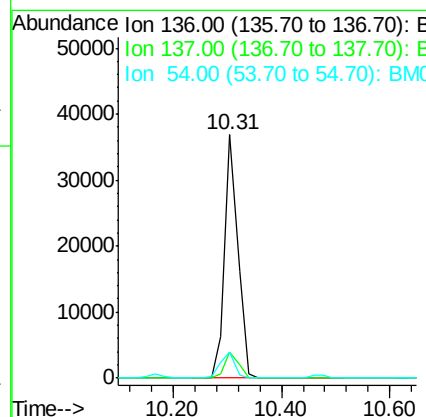
RT: 10.31 min Scan# 532

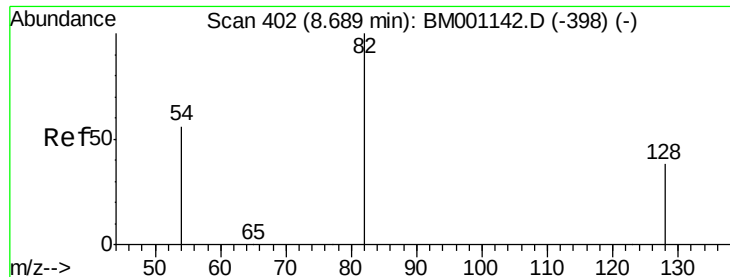
Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Tgt Ion:	136	Resp:	61821
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.4
54	10.5	9.0	13.4





#7

Nitrobenzene-d5

Concen: 11.70 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

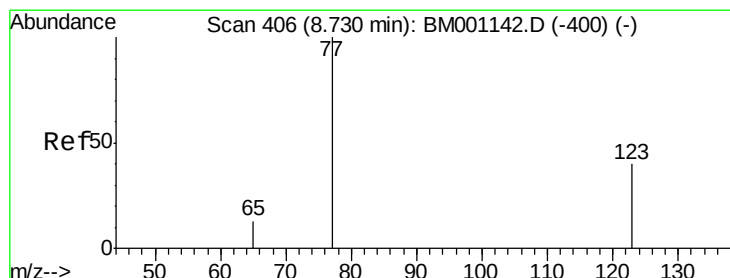
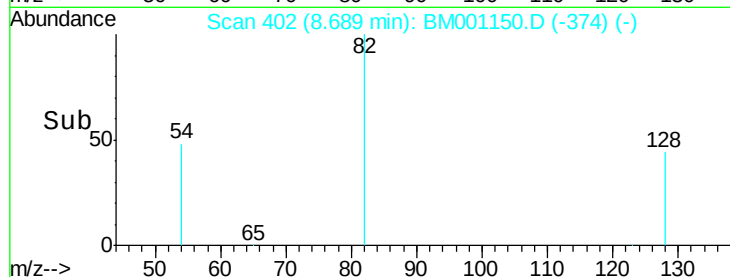
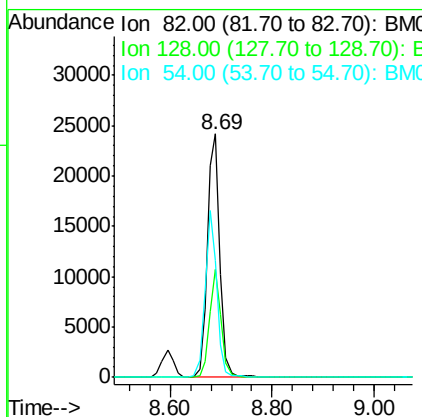
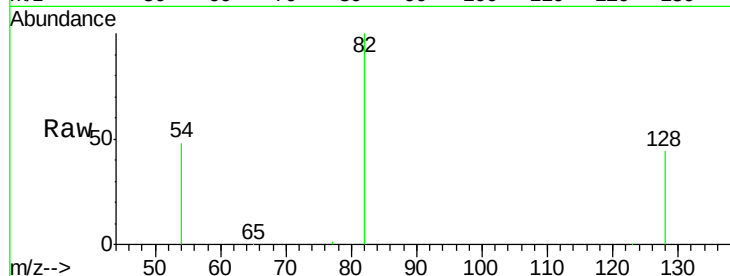
ClientSampleId :

PB83018BSD

Tot Ion:	82	Resp:	40966
Ion	Ratio	Lower	Upper
82	100		
128	44.4	31.9	47.9
54	48.1	46.2	69.2

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#8

Nitrobenzene

Concen: 9.95 ng

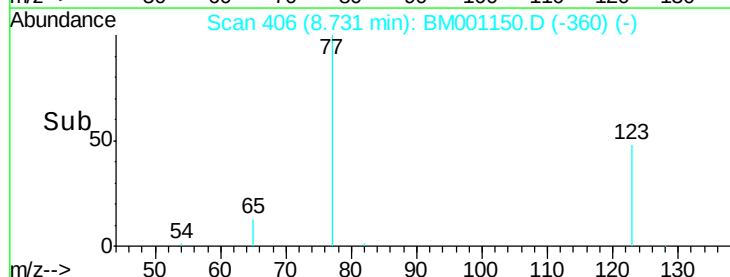
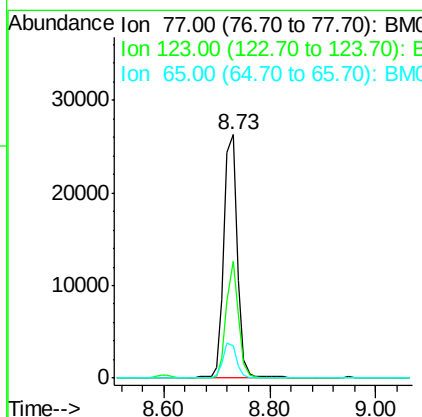
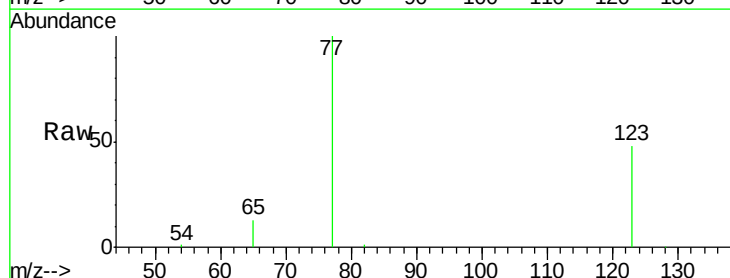
RT: 8.73 min Scan# 406

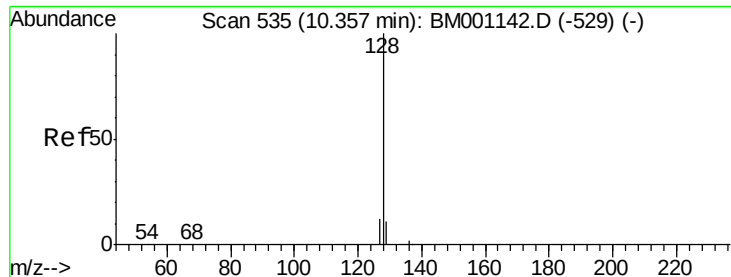
Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Tgt Ion:	77	Resp:	46107
Ion	Ratio	Lower	Upper
77	100		
123	43.1	31.0	46.6
65	14.2	10.6	15.8





#9

Naphthalene

Concen: 9.69 ng

RT: 10.36 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

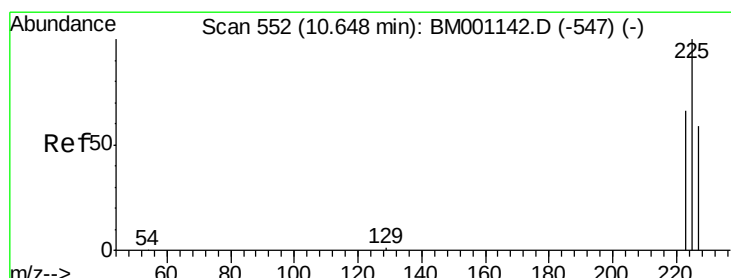
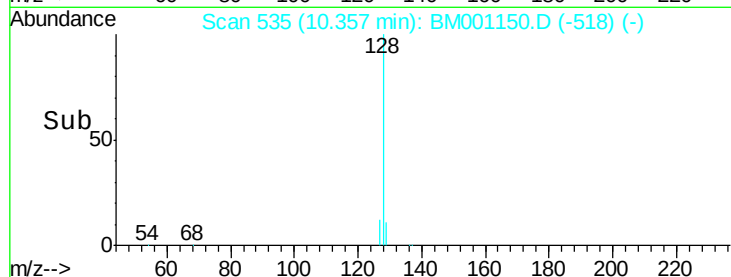
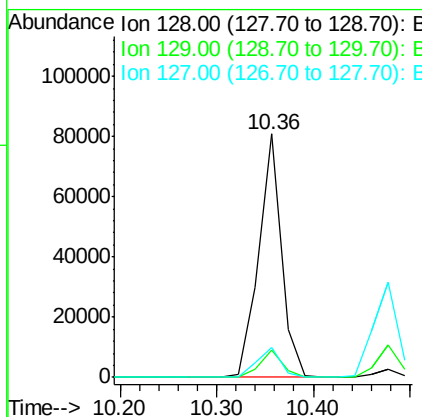
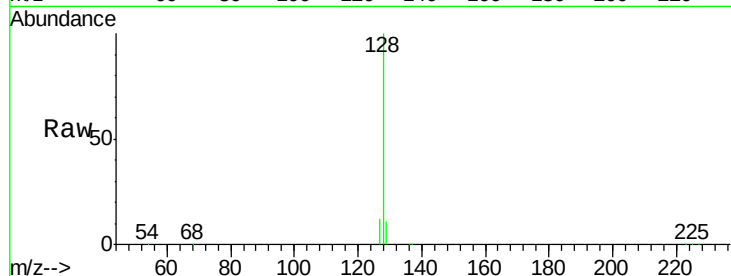
ClientSampleID :

PB83018BSD

Tot Ion:	128	Resp:	131652
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	12.1	10.0	15.0

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#10

Hexachlorobutadiene

Concen: 9.43 ng

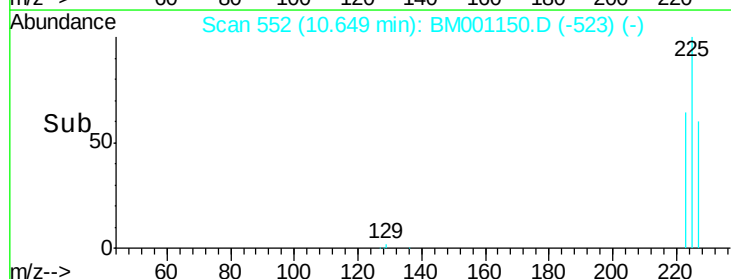
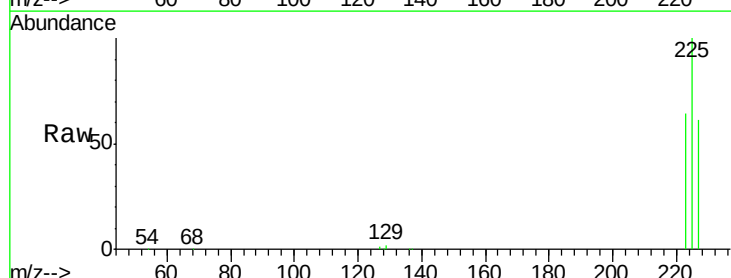
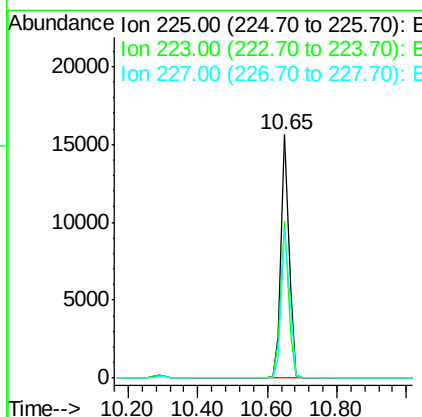
RT: 10.65 min Scan# 552

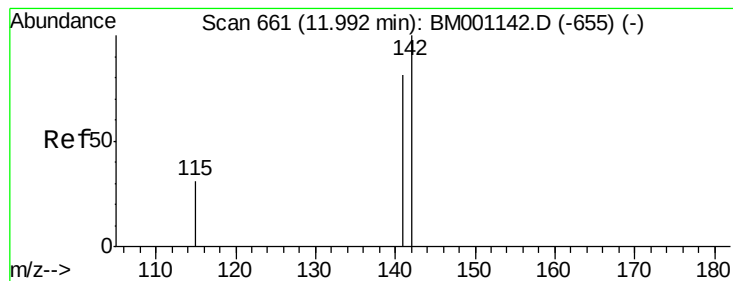
Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Tgt Ion:	225	Resp:	24701
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.8	76.2
227	63.6	51.0	76.4





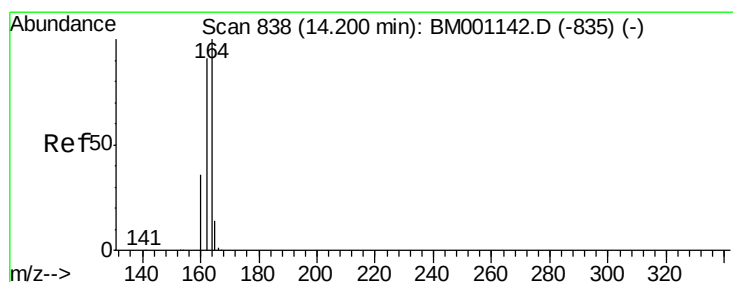
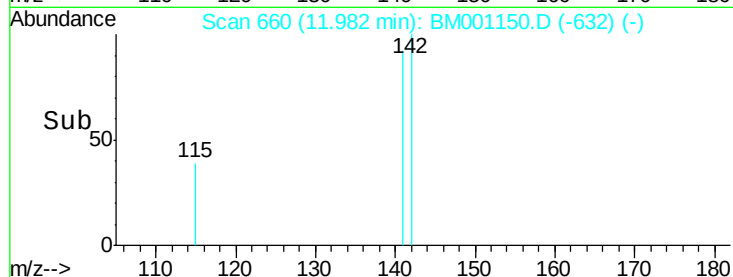
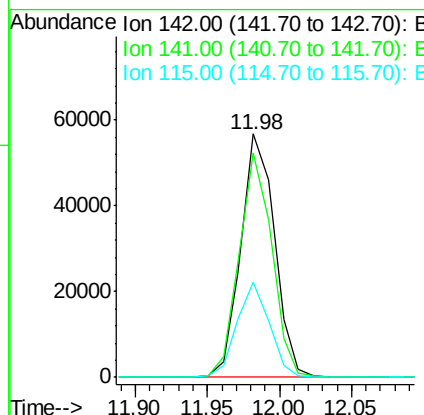
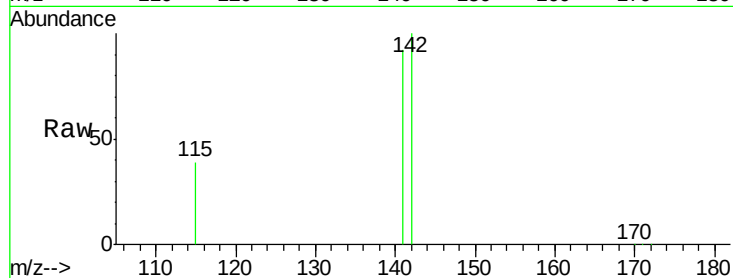
#11
2-Methylnaphthalene
Concen: 9.88 ng/ml
RT: 11.98 min Scan# 660
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	65.1	97.7
115	38.8	25.1	37.7

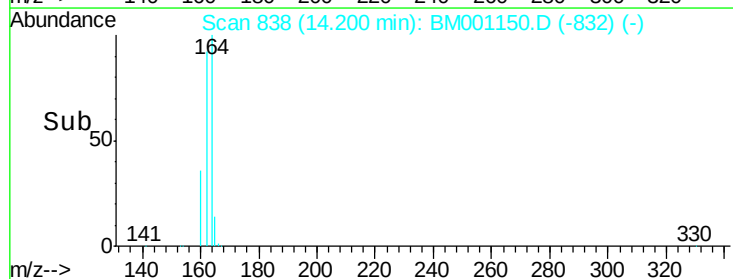
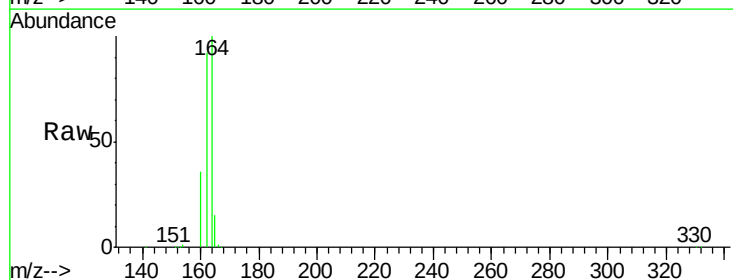
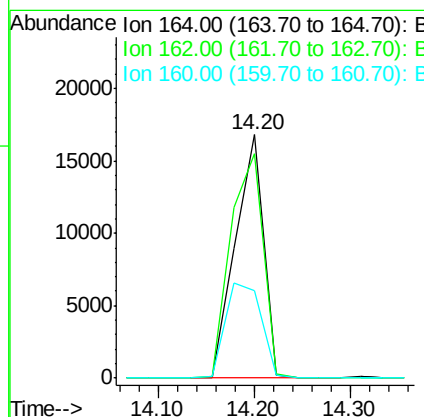
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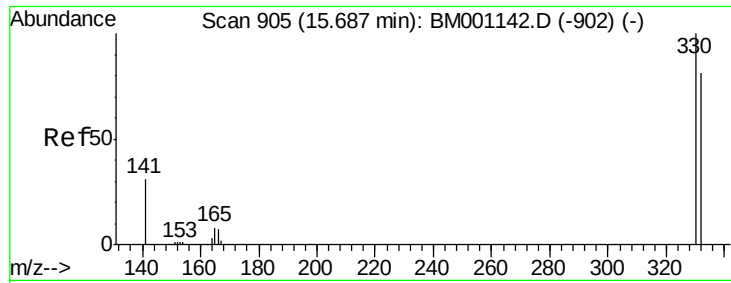
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 838
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.0	72.7	109.1
160	36.1	28.7	43.1





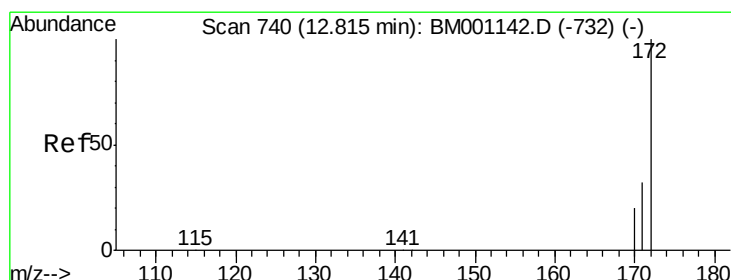
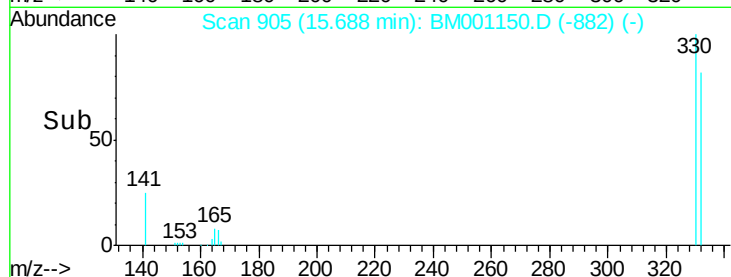
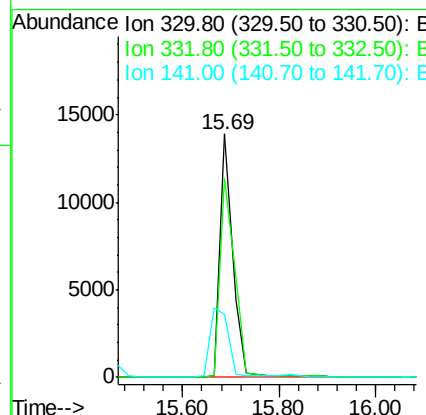
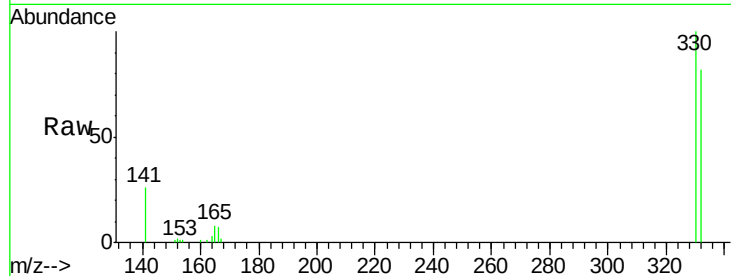
#13
 2,4,6-Tribromophenol
 Concen: 15.11 ng
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001150.D
 Acq: 02 May 2015 02:43

Instrument :
 BNA_M
 ClientSampleId :
 PB83018BSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	74.5	111.7
141	0.0	21.0	31.4#

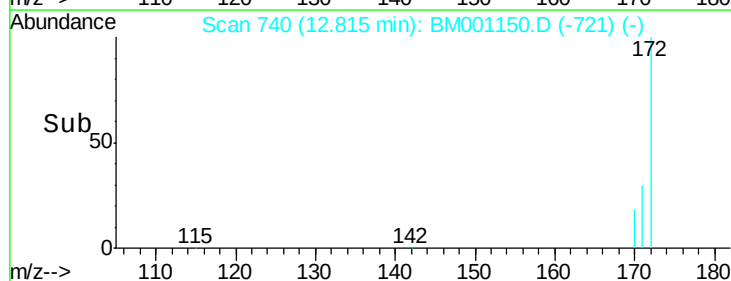
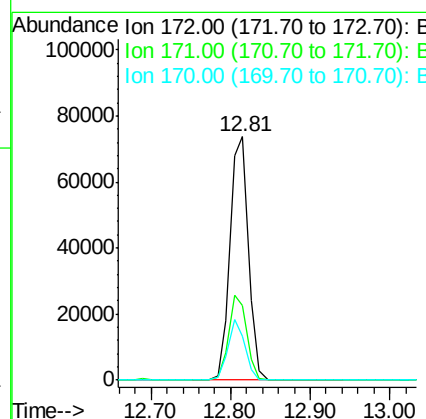
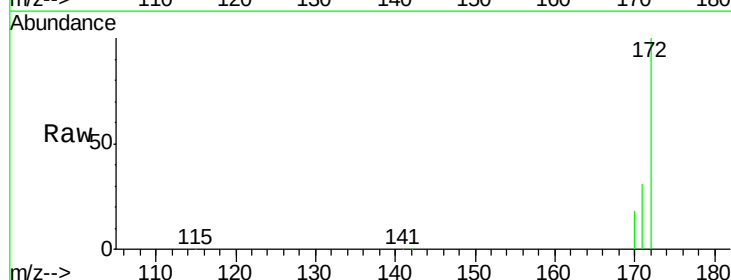
Manual Integrations
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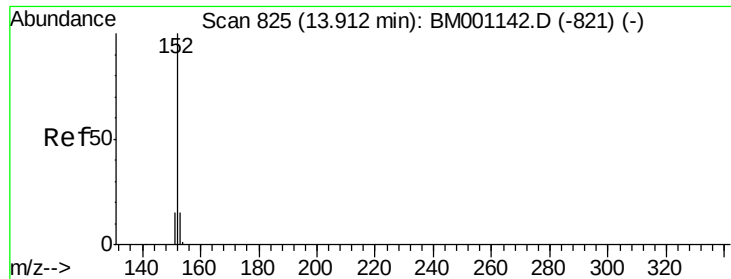
apatel
 5/5/2015 8:03:47 AM



#14
 2-Fluorobiphenyl
 Concen: 10.34 ng
 RT: 12.81 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BM001150.D
 Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.7	25.8	38.6
170	18.2	16.1	24.1





#15

Acenaphthylene

Concen: 10.79 ng

RT: 13.89 min Scan# 824

Delta R.T. -0.02 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

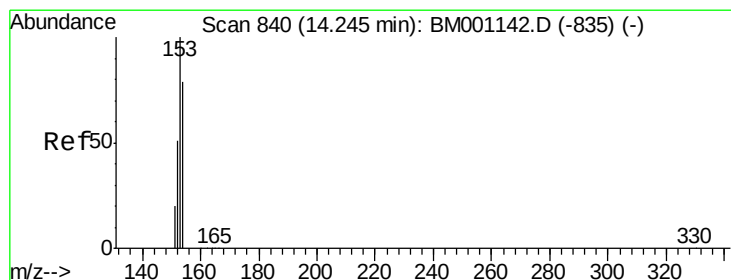
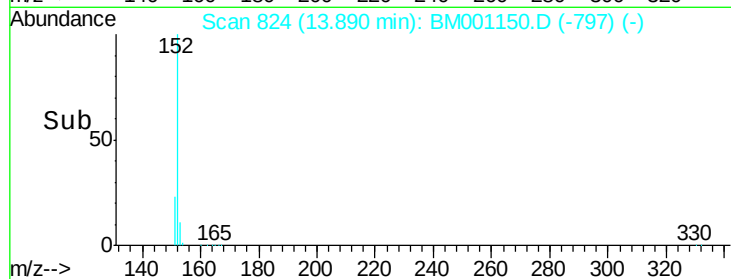
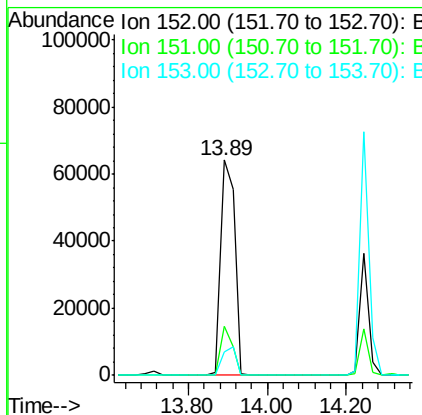
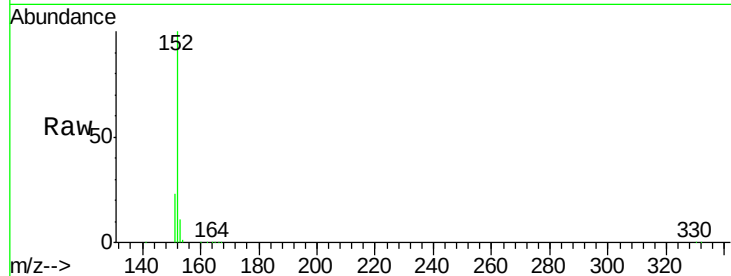
ClientSampleId :

PB83018BSD

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Tot Ion	Ratio	Resp	Lower	Upper
152	100	162296		
151	19.2	0.0	0.0	0.0
153	0.0	10.3	15.5	



#16

Acenaphthene

Concen: 10.88 ng

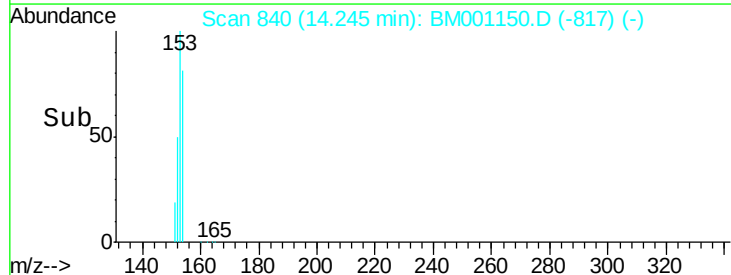
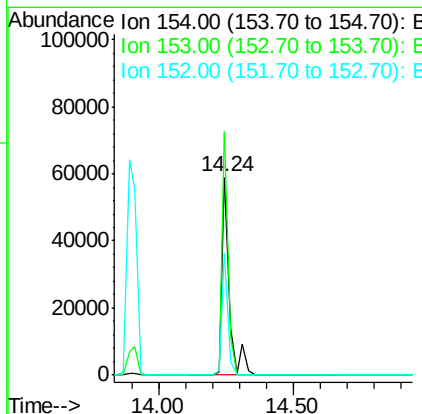
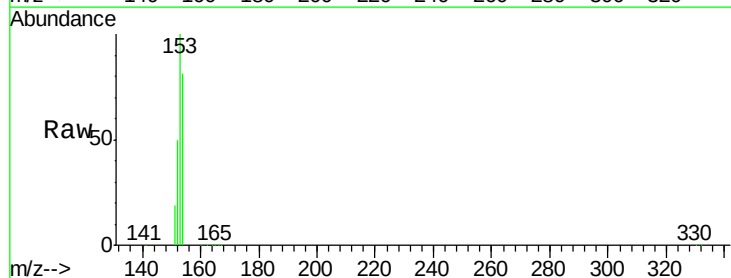
RT: 14.24 min Scan# 840

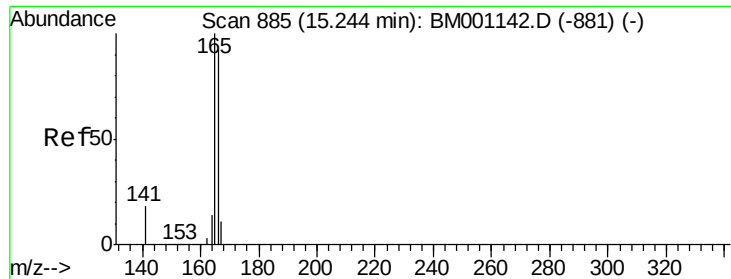
Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	113034		
153	100.6	90.6	136.0	
152	49.0	45.0	67.4	





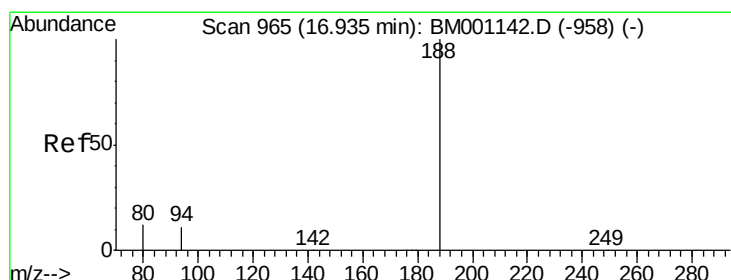
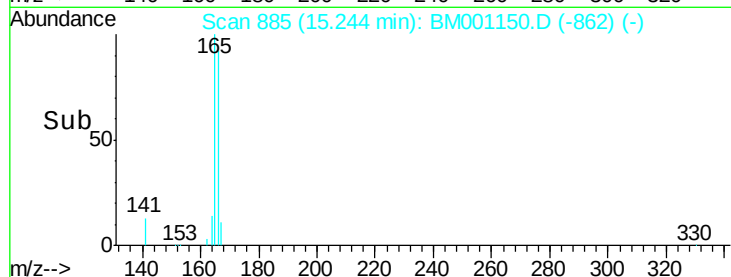
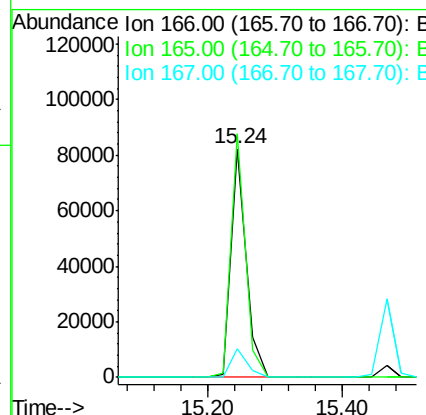
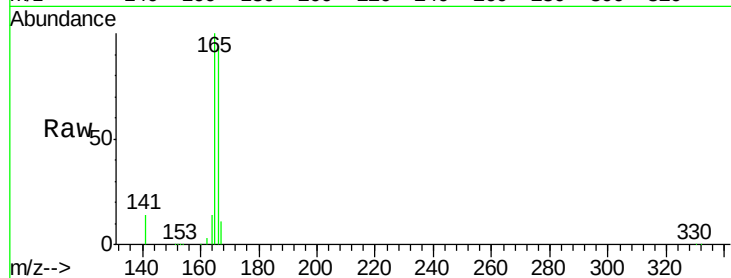
#17
Fluorene
 Concen: 10.80 ng
 RT: 15.24 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BM001150.D
 Acq: 02 May 2015 02:43

Instrument :
 BNA_M
 ClientSampleId :
 PB83018BSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.2	81.0	121.6
167	13.0	10.4	15.6

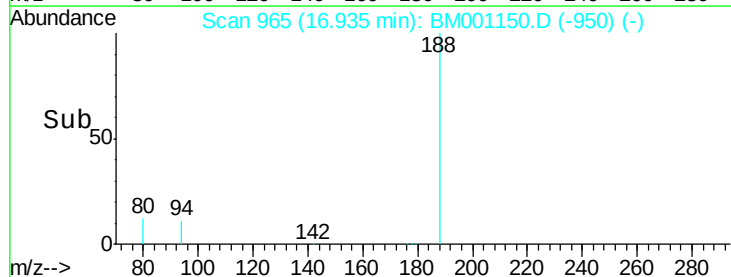
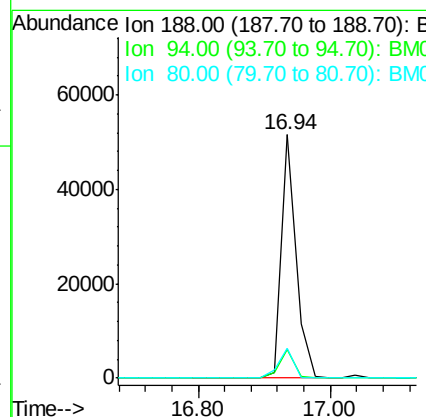
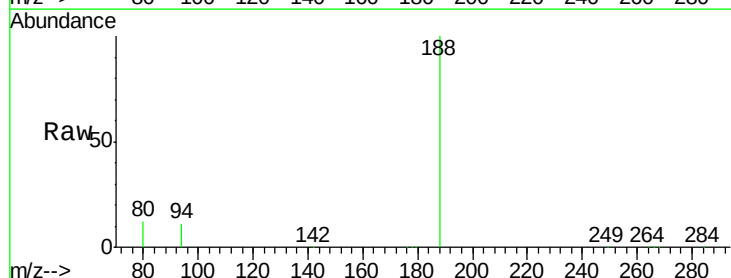
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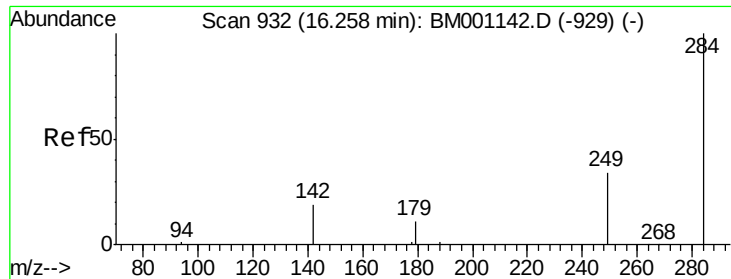
apatel
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BM001150.D
 Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.3	13.9
80	12.1	9.8	14.6





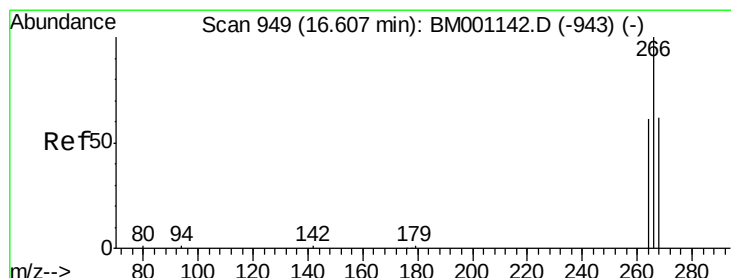
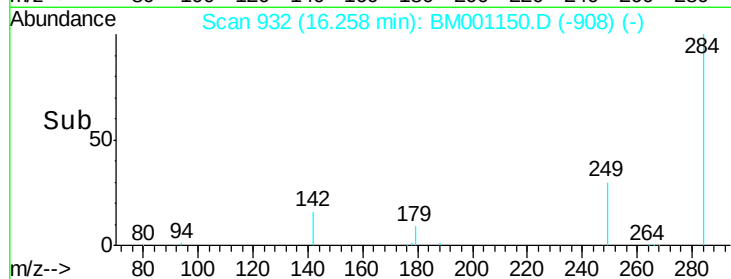
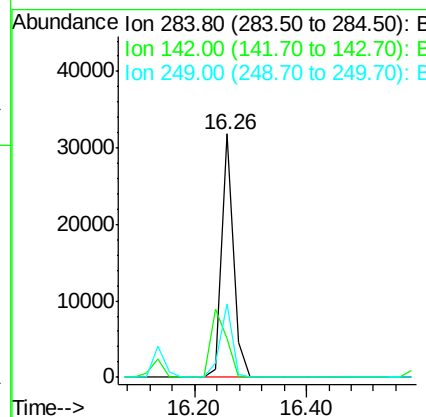
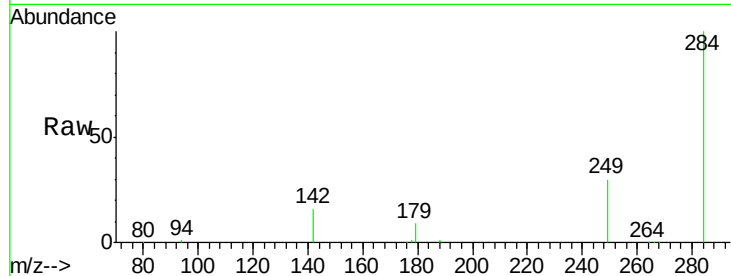
#19
Hexachlorobenzene
Concen: 10.78 ng
RT: 16.26 min Scan# 932
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	31.1	26.5	39.7

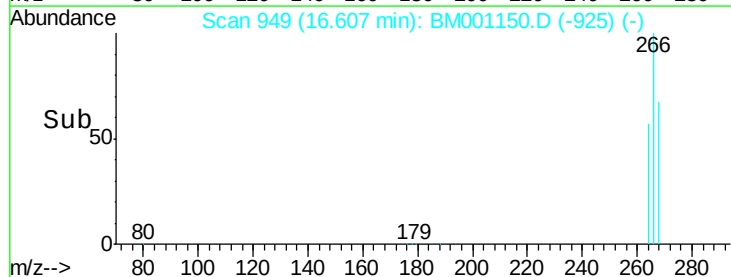
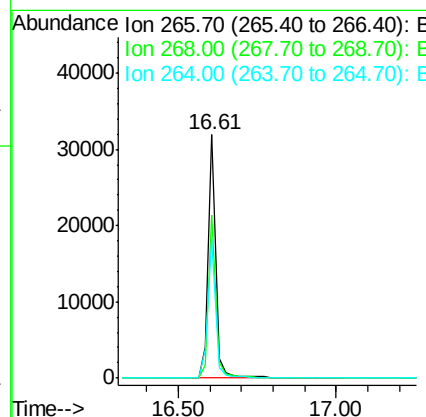
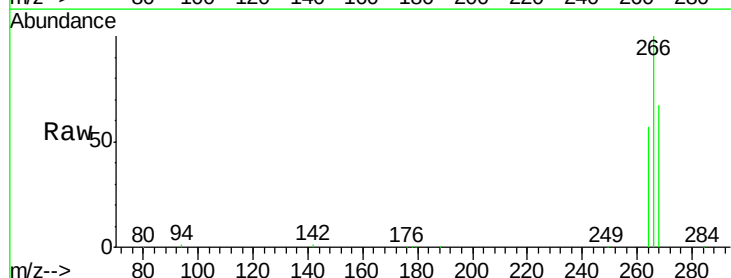
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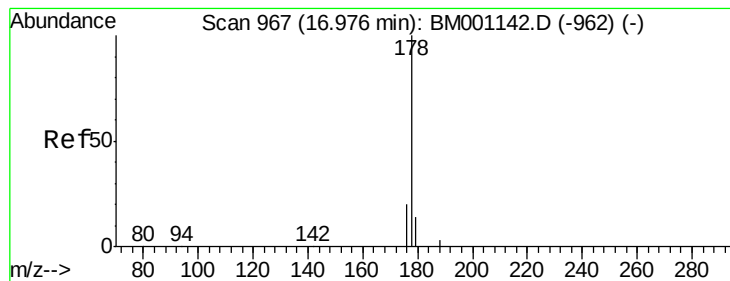
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#20
Pentachlorophenol
Concen: 26.21 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.9	52.6	79.0
264	57.0	51.0	76.4





#21

Phenanthrene

Concen: 10.01 ng

RT: 16.98 min Scan# 967

Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

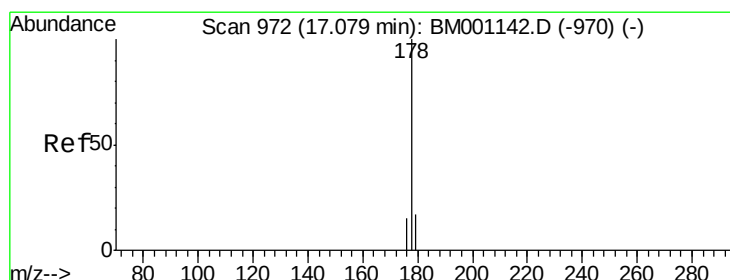
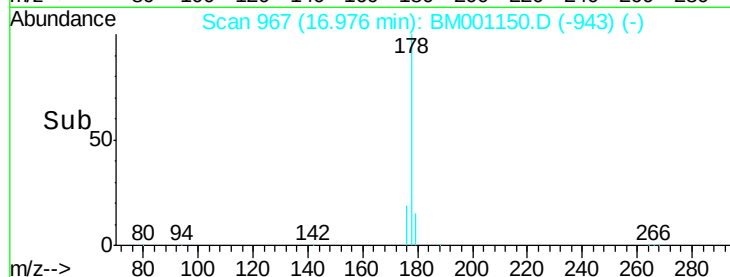
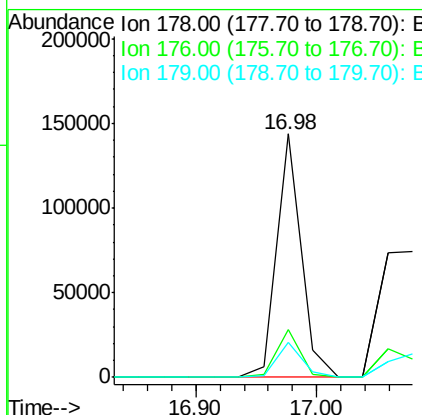
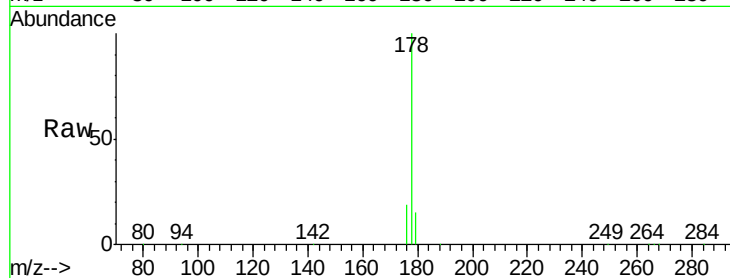
ClientSampleId :

PB83018BSD

Tot Ion:	178	Resp:	204739
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.5	23.3
179	15.1	12.0	18.0

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#22

Anthracene

Concen: 11.02 ng m

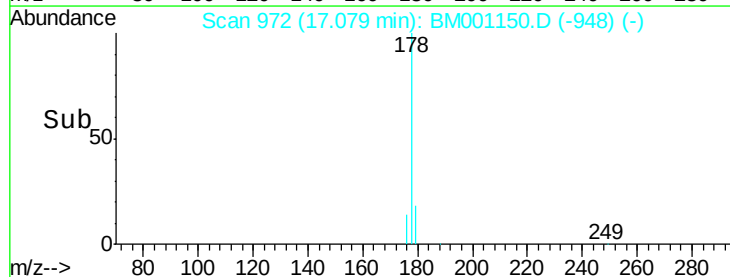
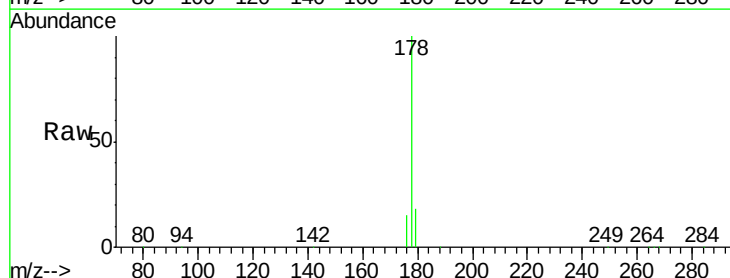
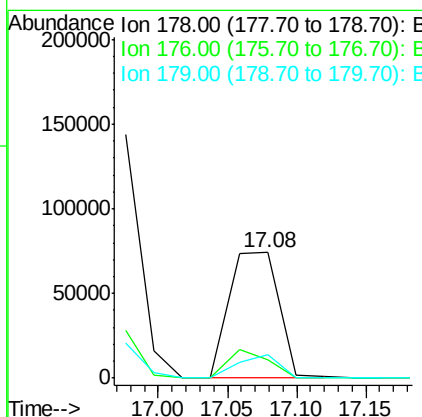
RT: 17.08 min Scan# 972

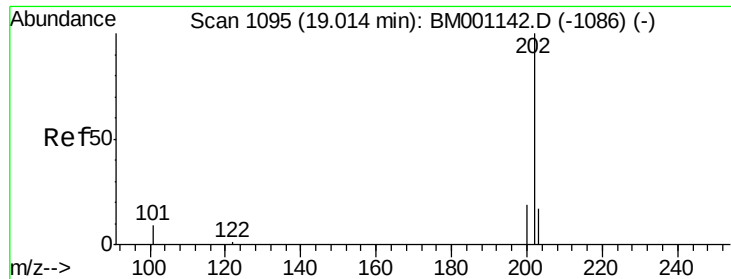
Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Tgt Ion:	178	Resp:	186270
Ion Ratio	Lower	Upper	
178	100		
176	21.0	14.3	21.5
179	16.5	12.2	18.2





#23

Fluoranthene

Concen: 10.60 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001150.D

Acq: 02 May 2015 02:43

Instrument :

BNA_M

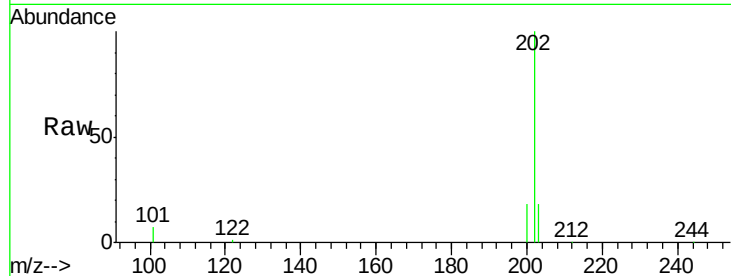
ClientSampleId :

PB83018BSD

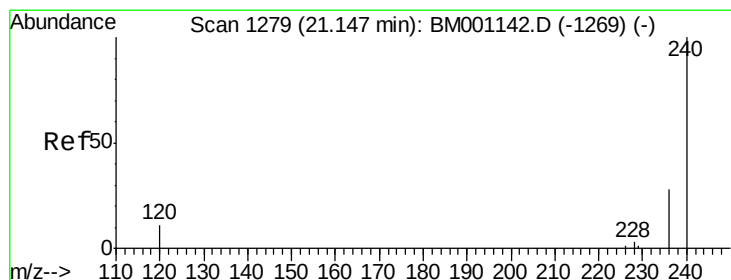
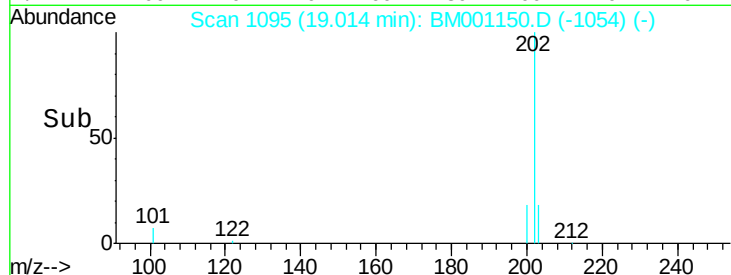
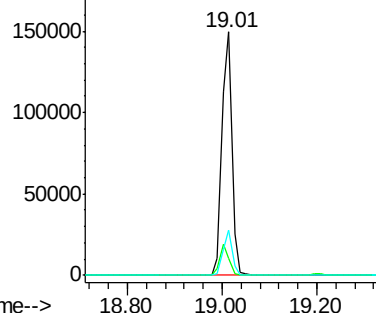
Tot Ion:	202	Resp:	219373
Ion Ratio	Lower	Upper	
202	100		
101	11.6	9.3	13.9
203	17.3	13.7	20.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

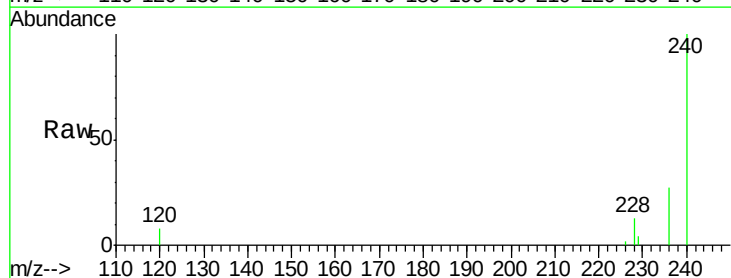
RT: 21.15 min Scan# 1279

Delta R.T. 0.00 min

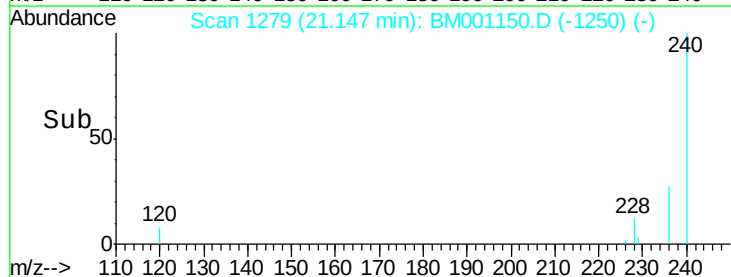
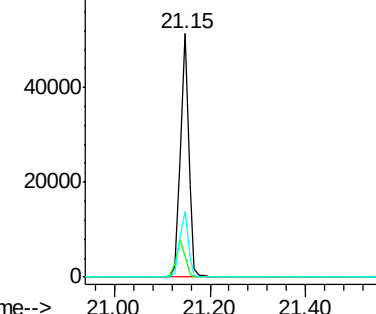
Lab File: BM001150.D

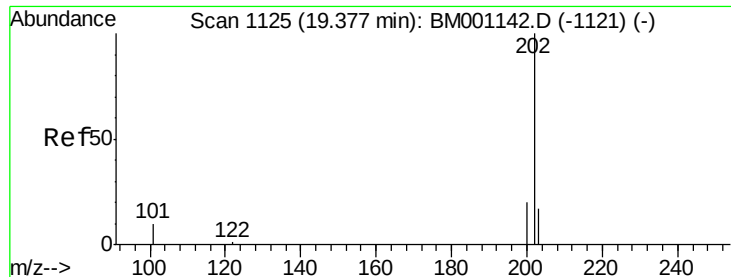
Acq: 02 May 2015 02:43

Tgt Ion:	240	Resp:	62662
Ion Ratio	Lower	Upper	
240	100		
120	8.4	9.2	13.8#
236	26.8	22.4	33.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





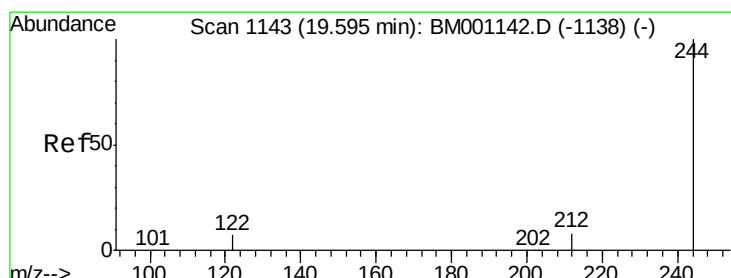
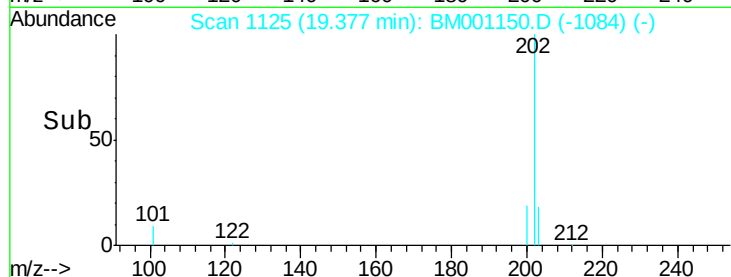
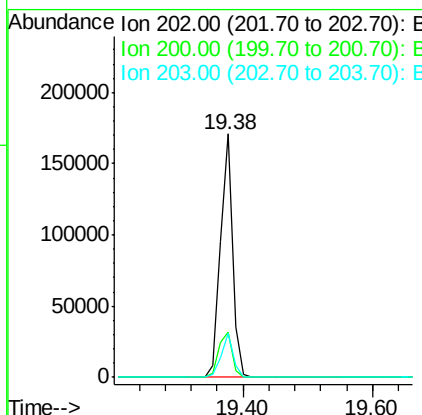
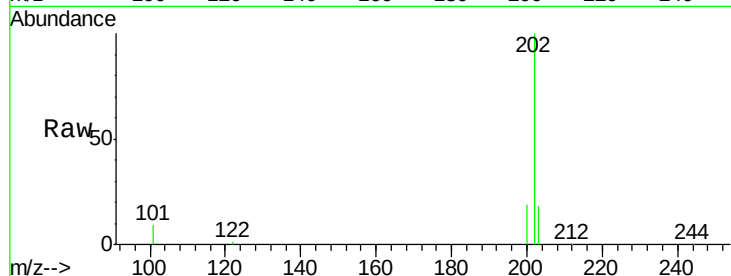
#25
Pvrene
Concen: 11.66 ng
RT: 19.38 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	228229		
200	20.5		16.4	24.6
203	17.8		13.8	20.6

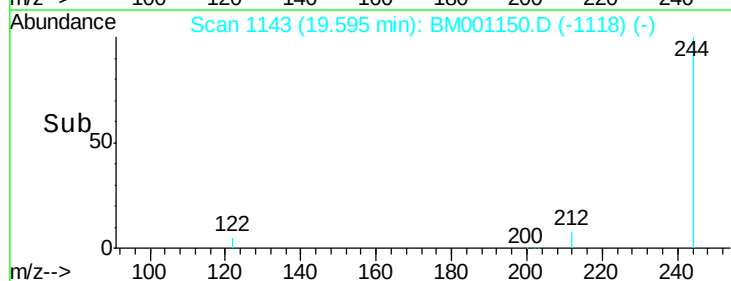
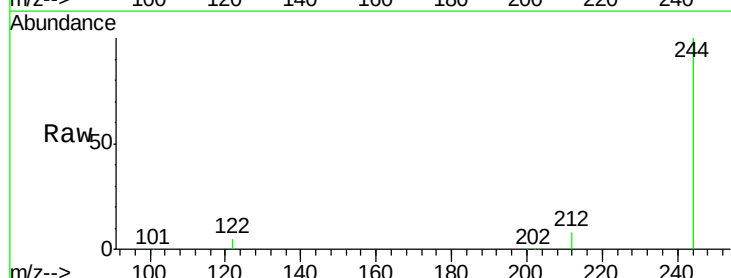
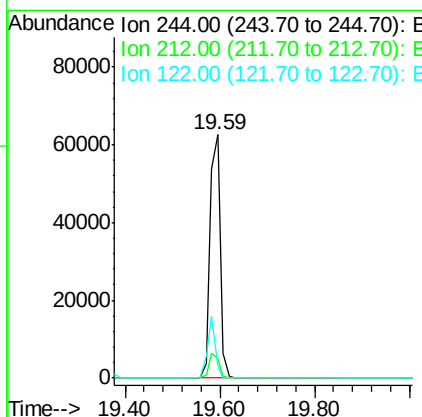
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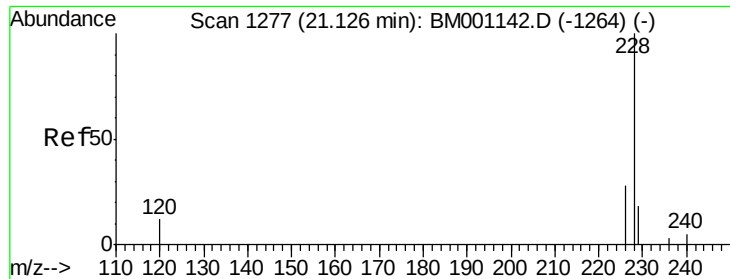
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#26
Terphenyl-d14
Concen: 10.74 ng
RT: 19.59 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	92800		
212	8.1		7.1	10.7
122	5.0		6.2	9.4#





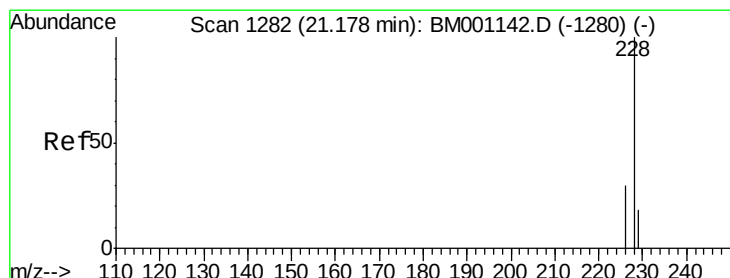
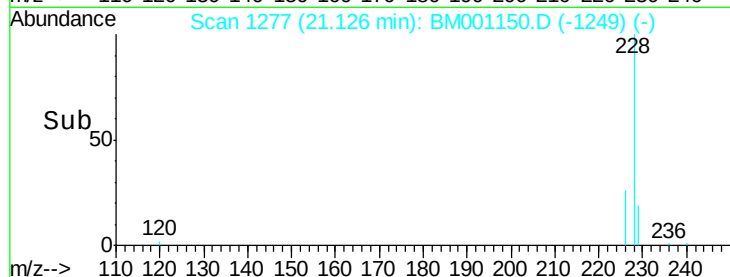
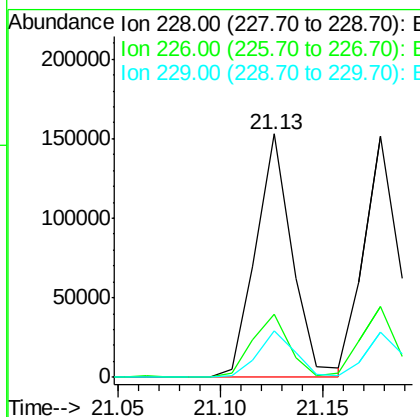
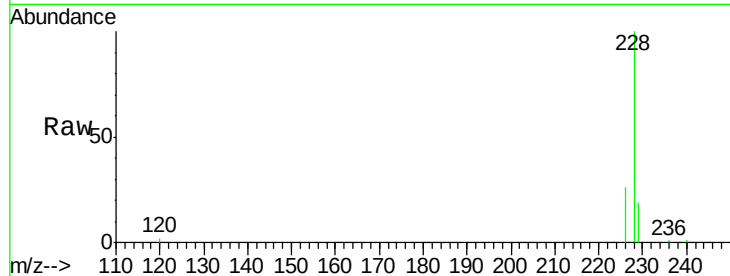
#27
Benzo(a)anthracene
Concen: 10.69 ng
RT: 21.13 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.8	34.2
229	19.3	14.4	21.6

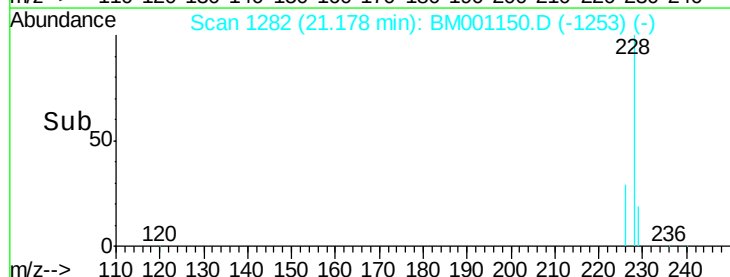
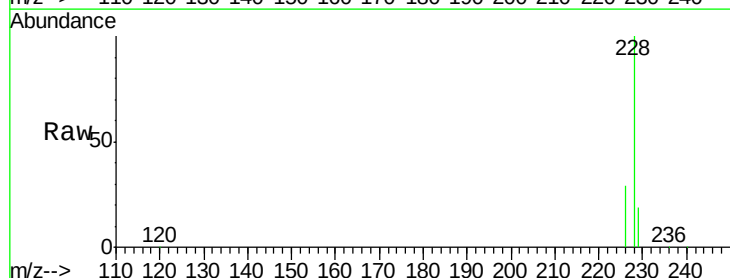
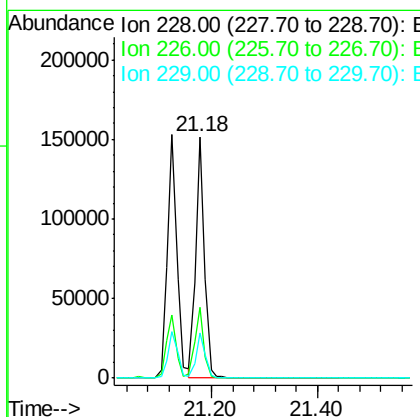
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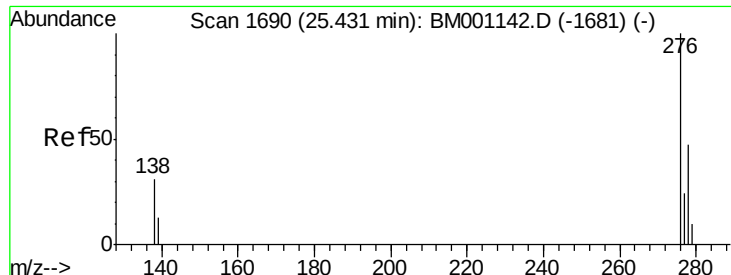
apatel
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#28
Chrysene
Concen: 10.18 ng
RT: 21.18 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	18.7	14.3	21.5





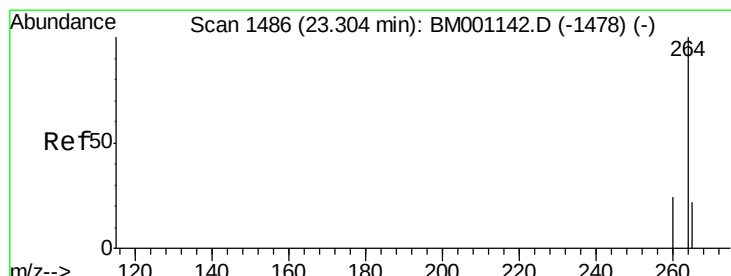
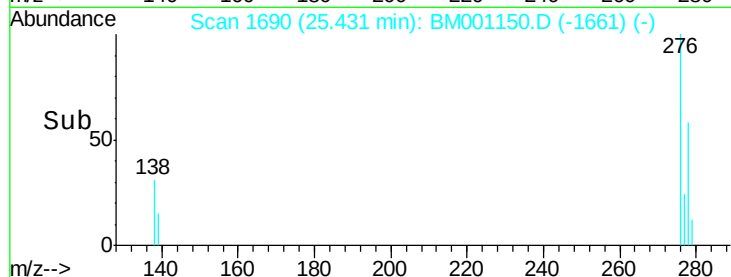
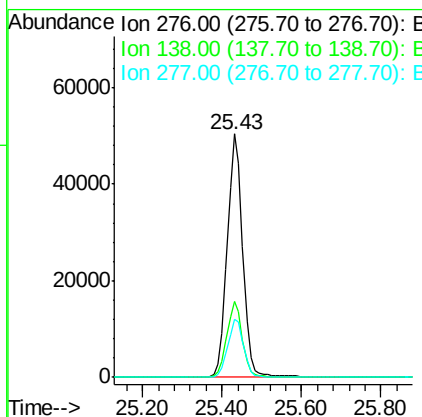
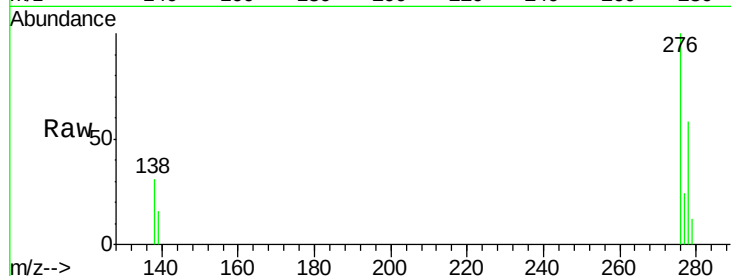
#29
Indeno(1,2,3-cd)pyrene
Concen: 8.60 ng
RT: 25.43 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	24.2	36.4
277	24.5	19.8	29.6

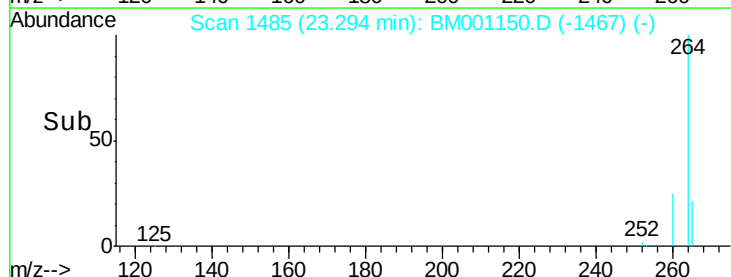
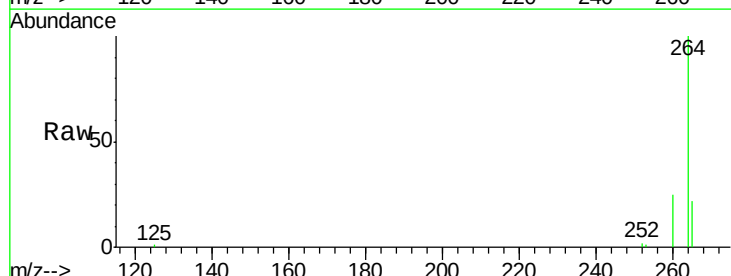
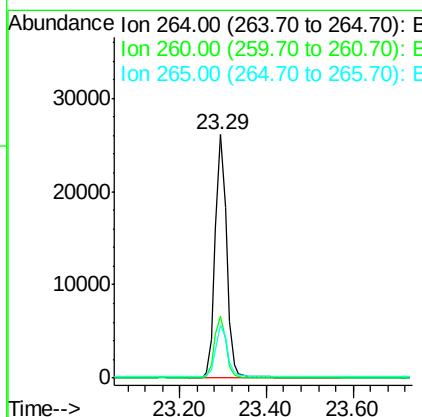
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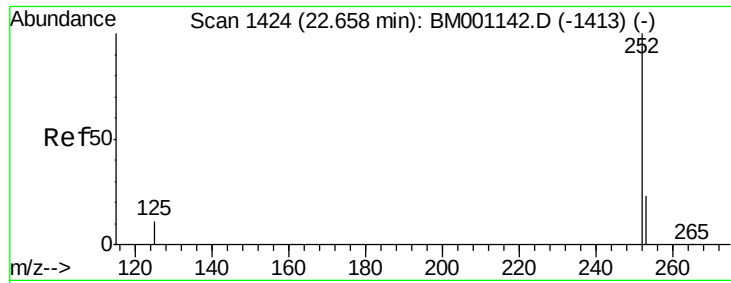
apatel
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#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.9	28.3
265	21.6	18.1	27.1





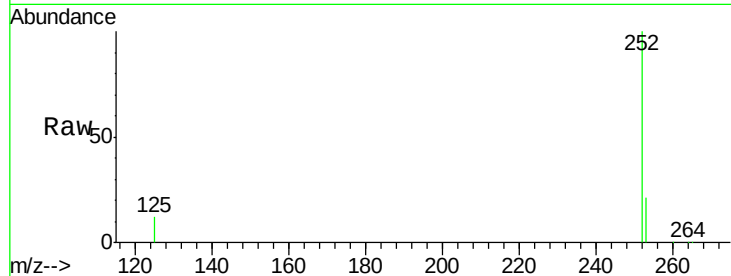
#31
Benzo(b)fluoranthene
Concen: 10.70 ng
RT: 22.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

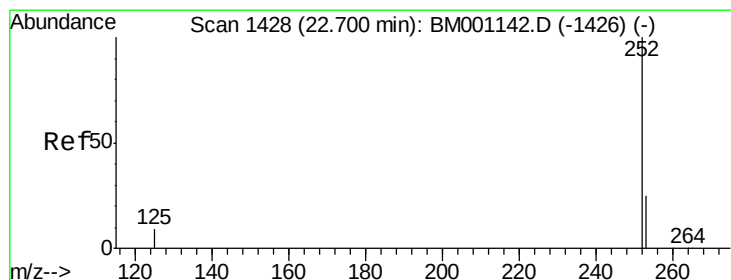
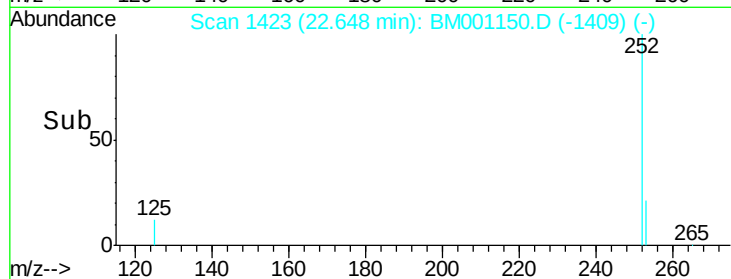
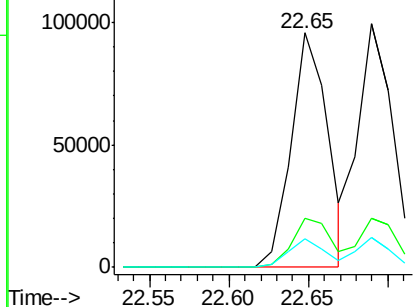
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.0	28.4
125	12.4	9.1	13.7

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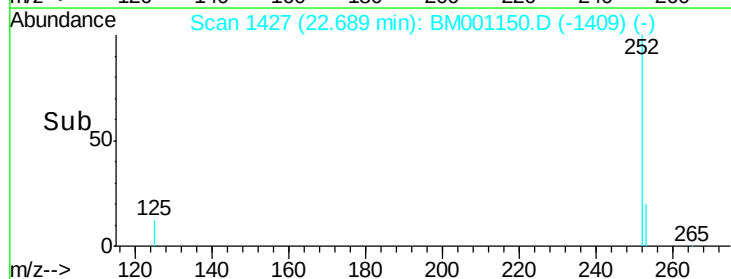
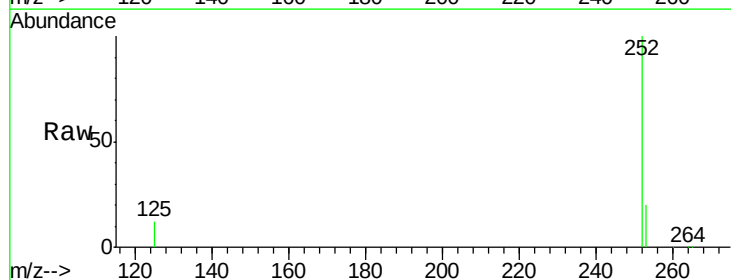
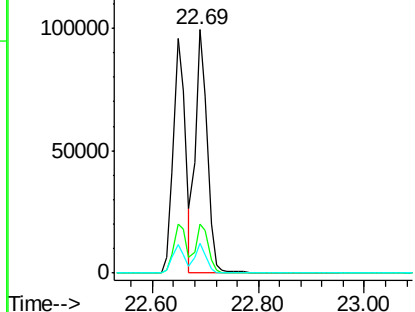
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

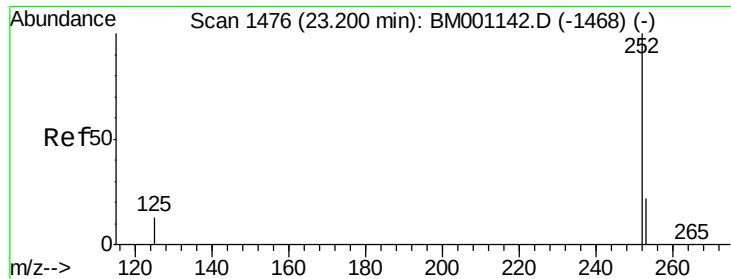


#32
Benzo(k)fluoranthene
Concen: 11.46 ng
RT: 22.69 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	19.1	28.7
125	12.3	9.3	13.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





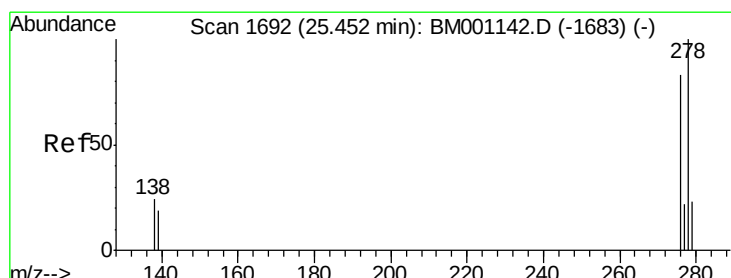
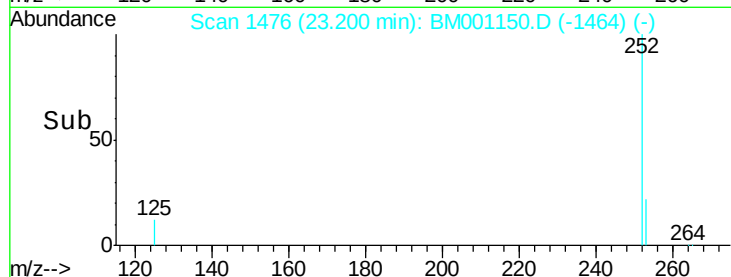
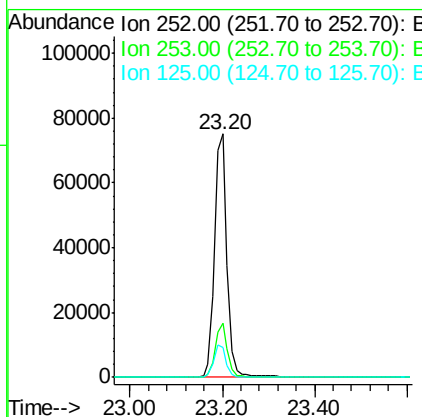
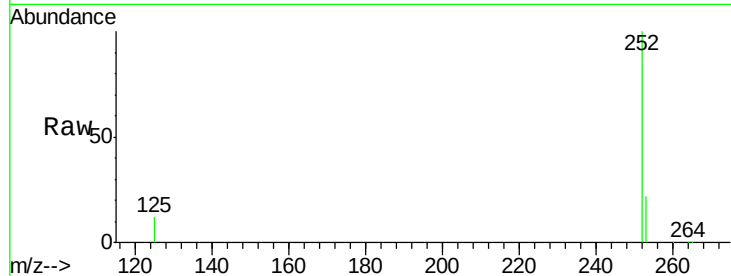
#33
Benzo(a)pyrene
Concen: 11.63 ng
RT: 23.20 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Instrument :
BNA_M
ClientSampleId :
PB83018BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	12.3	10.6	16.0

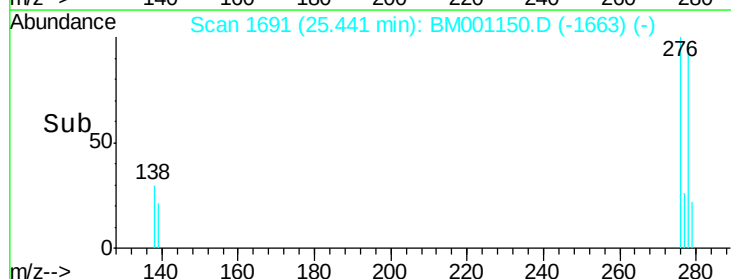
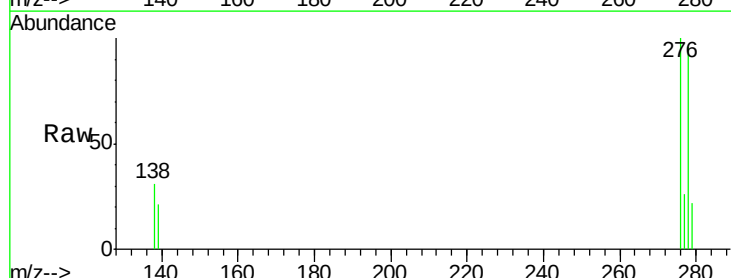
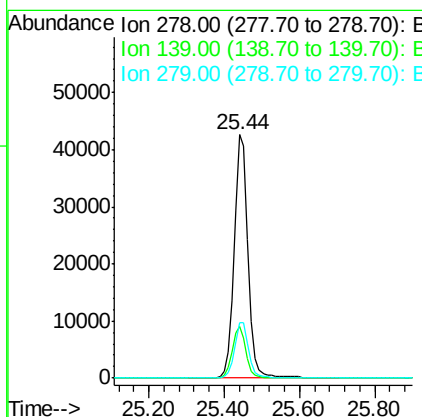
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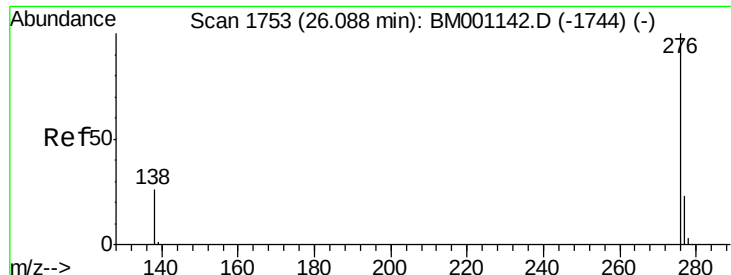
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#34
Dibenzo(a,h)anthracene
Concen: 10.38 ng
RT: 25.44 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BM001150.D
Acq: 02 May 2015 02:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	15.5	23.3
279	22.8	19.7	29.5





#35
 Benzo(a,h,i)perylene
 Concen: 10.03 ng
 RT: 26.09 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM001150.D
 Acq: 02 May 2015 02:43

Instrument :
 BNA_M
 ClientSampleId :
 PB83018BSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.5	19.0	28.4
138	25.6	21.3	31.9

Manual Integrations
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