

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001163.D
 Acq On : 02 May 2015 11:39
 Operator : TP/IZ
 Sample : G2057-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MWJ-1MSD

Manual Integrations
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Quant Time: May 04 17:26:33 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	18384	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	74790	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	41406	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	95904	5.00	ng	0.00
24) Chrysene-d12	21.15	240	72550	5.00	ng	0.00
30) Perylene-d12	23.29	264	53514	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	19879	5.56	ng	-0.01
5) Phenol-d6	6.71	99	16262	3.69	ng	0.00
7) Nitrobenzene-d5	8.69	82	45926	10.84	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	31412	15.38	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	134559	9.83	ng	0.00
26) Terphenyl-d14	19.59	244	108324	10.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	6100	3.79	ng	# 62
3) n-Nitrosodimethylamine	3.34	42	6831	3.04	ng	# 89
8) Nitrobenzene	8.73	77	51582	9.21	ng	94
9) Naphthalene	10.36	128	145093	8.82	ng	99
10) Hexachlorobutadiene	10.65	225	23427	7.39	ng	100
11) 2-Methylnaphthalene	11.98	142	103350m	9.16	ng	
15) Acenaphthylene	13.89	152	184781	10.21	ng	# 67
16) Acenaphthene	14.24	154	129596	10.36	ng	89
17) Fluorene	15.24	166	157459	10.86	ng	99
19) Hexachlorobenzene	16.26	284	53078	10.27	ng	# 99
20) Pentachlorophenol	16.61	266	52114	22.58	ng	95
21) Phenanthrene	16.98	178	244085	9.89	ng	99
22) Anthracene	17.06	178	226518m	11.10	ng	
23) Fluoranthene	19.01	202	257438	10.30	ng	99
25) Pyrene	19.38	202	268460	11.84	ng	99
27) Benzo(a)anthracene	21.13	228	214042	10.47	ng	99
28) Chrysene	21.18	228	199143	9.92	ng	99
29) Indeno(1,2,3-cd)pyrene	25.43	276	154121	8.42	ng	99
31) Benzo(b)fluoranthene	22.65	252	170521	10.35	ng	94
32) Benzo(k)fluoranthene	22.70	252	175911	11.40	ng	98
33) Benzo(a)pyrene	23.20	252	157892	11.36	ng	99
34) Dibenzo(a,h)anthracene	25.44	278	124353	10.20	ng	95
35) Benzo(g,h,i)perylene	26.09	276	127183	9.88	ng	99

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

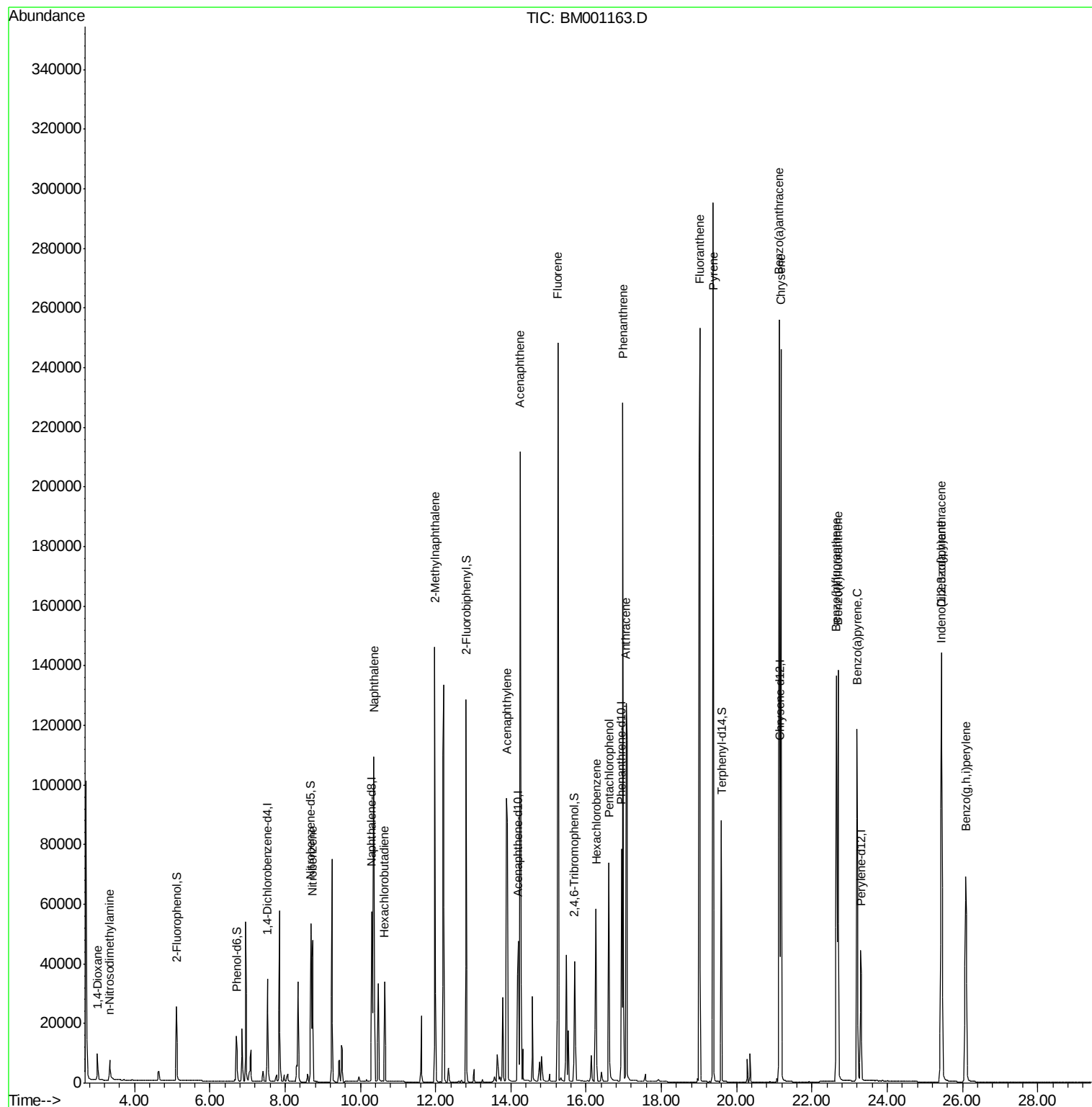
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
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ALS Vial : 23 Sample Multiplier: 1

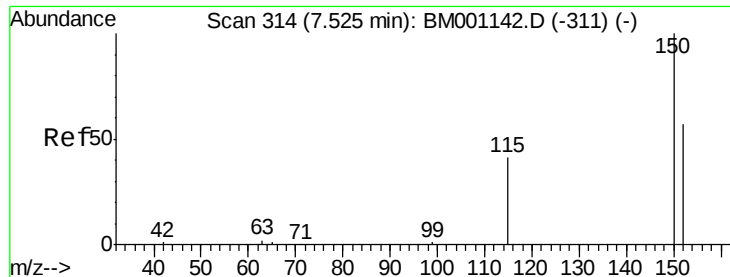
Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

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QLast Update : Mon May 04 16:48:07 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.53 min Scan# 314

Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

ClientSampleId :

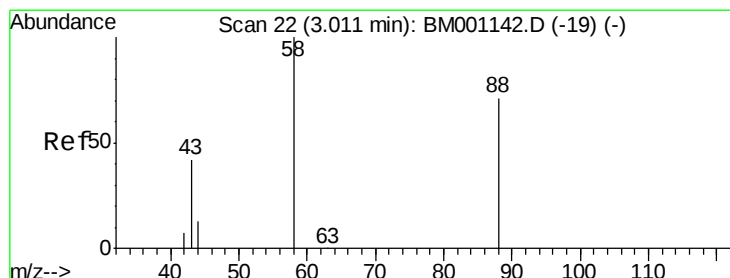
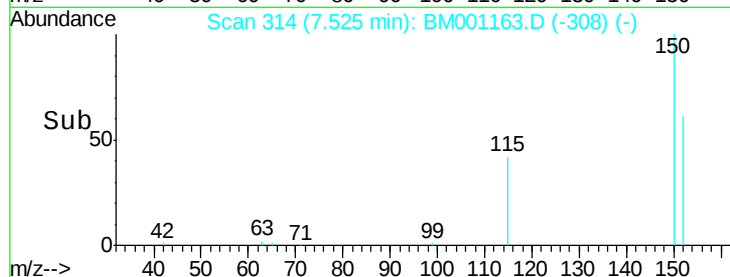
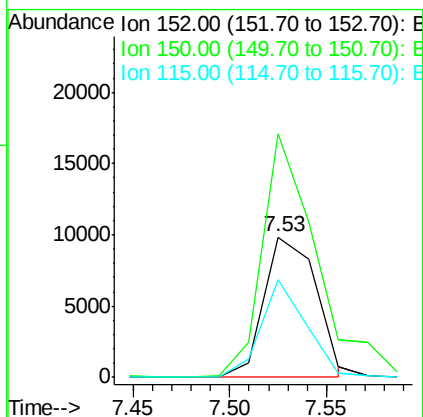
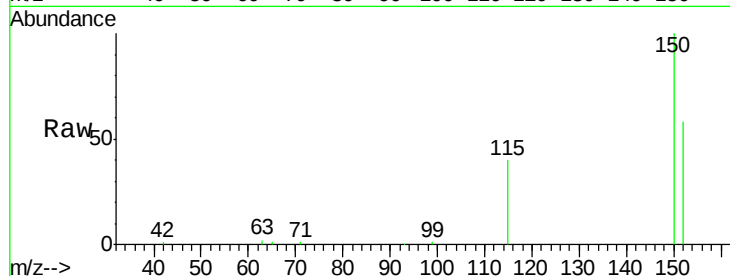
MWJ-1MSD

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Tot Ion:	152	Resp:	18384
Ion Ratio	Lower	Upper	
152	100		
150	173.2	140.1	210.1
115	69.2	57.8	86.6



#2

1,4-Dioxane

Concen: 3.79 ng

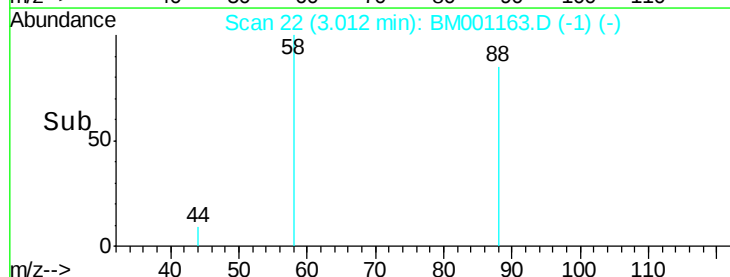
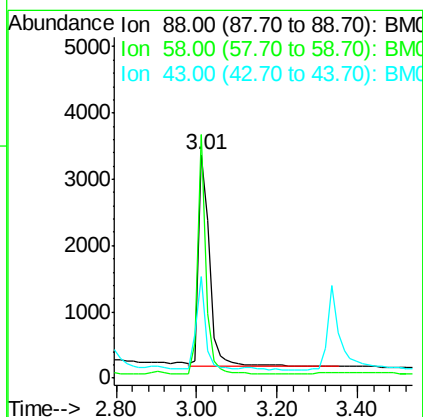
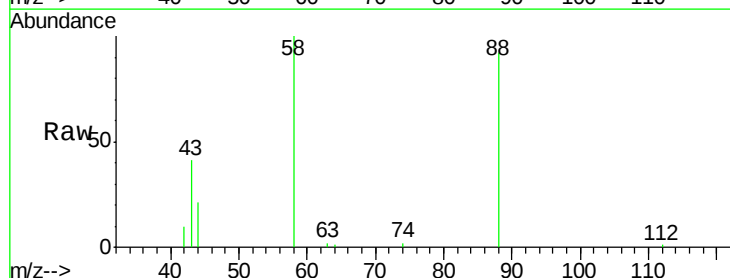
RT: 3.01 min Scan# 22

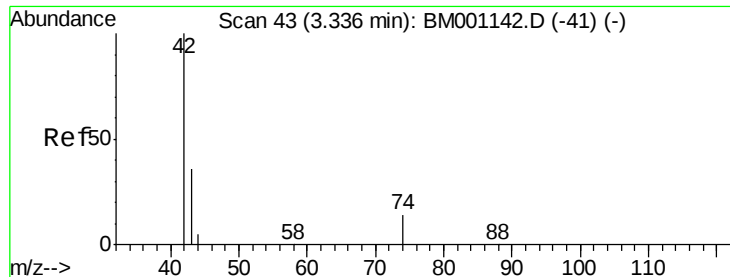
Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Tgt Ion:	88	Resp:	6100
Ion Ratio	Lower	Upper	
88	100		
58	81.8	48.2	72.2#
43	0.0	24.8	37.2#





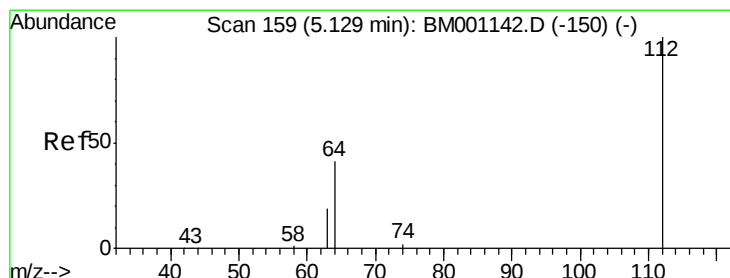
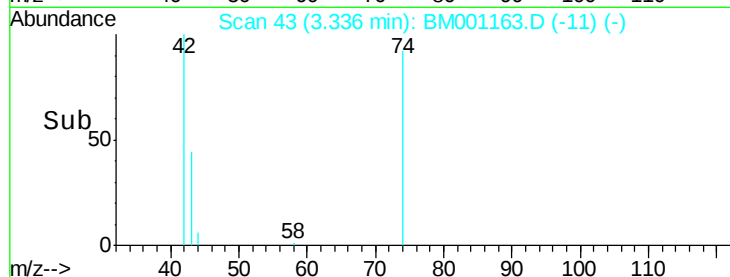
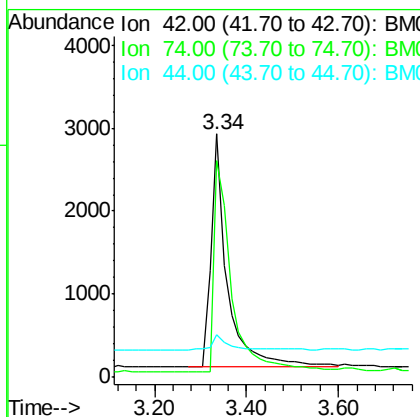
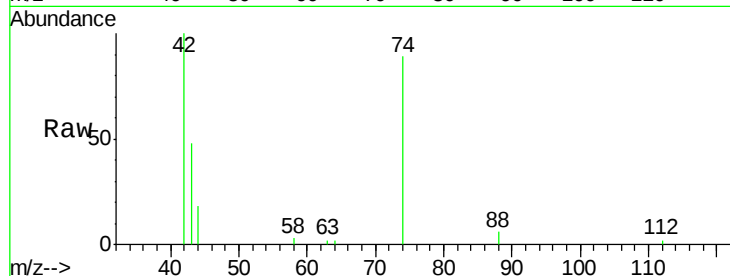
#3
n-Nitrosodimethylamine
Concen: 3.04 ng
RT: 3.34 min Scan# 43
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
42	100		
74	100.1	72.0	108.0
44	7.3	3.7	5.5#

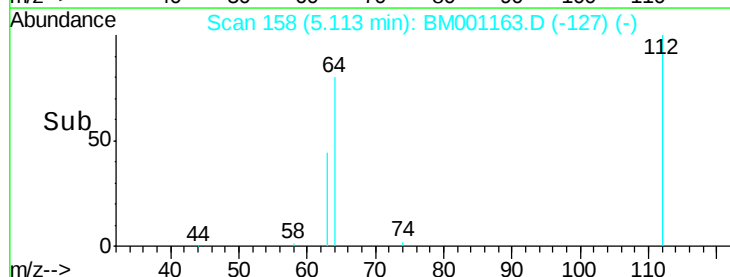
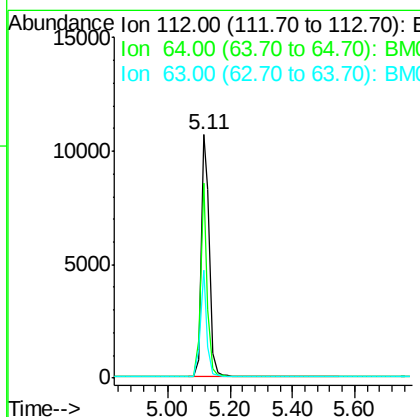
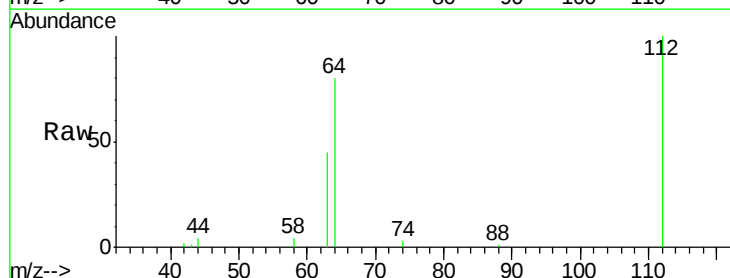
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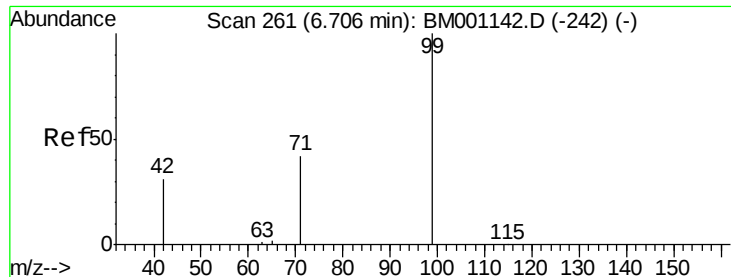
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#4
2-Fluorophenol
Concen: 5.56 ng
RT: 5.11 min Scan# 158
Delta R.T. -0.01 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	52.6	79.0
63	35.8	29.5	44.3





#5

Phenol-d6

Concen: 3.69 ng

RT: 6.71 min Scan# 261

Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

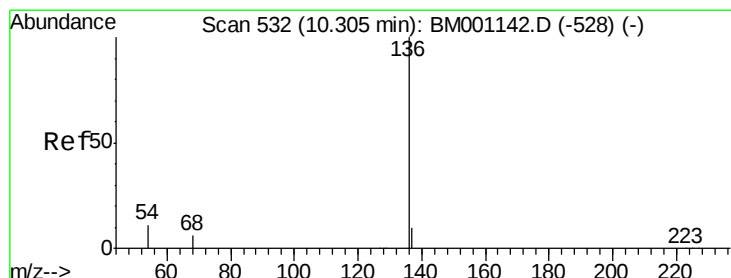
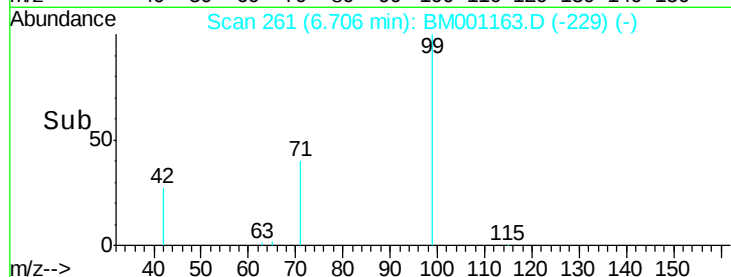
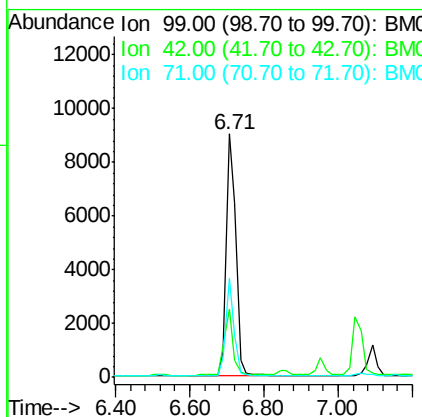
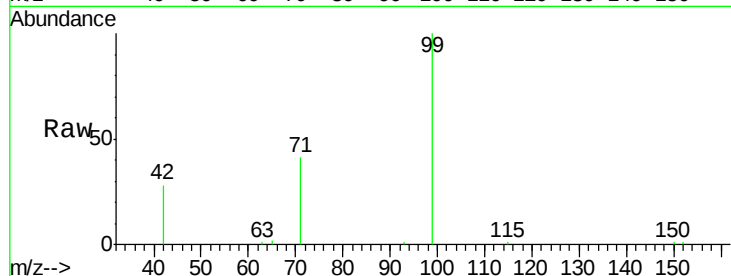
ClientSampleId :

MWJ-1MSD

Tot Ion:	99	Resp:	16262
Ion Ratio	Lower	Upper	
99	100		
42	25.0	20.9	31.3
71	34.8	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

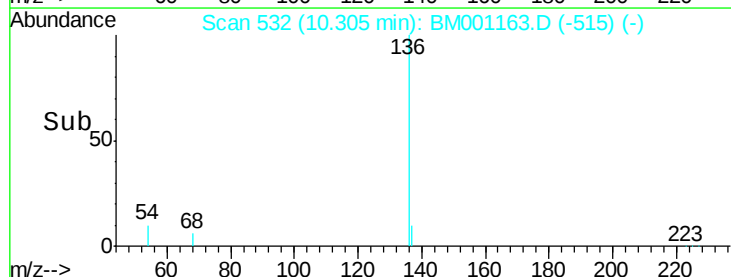
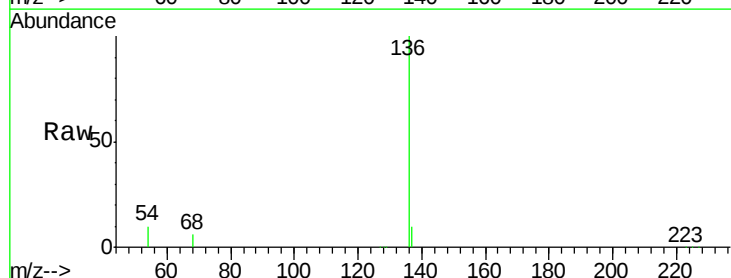
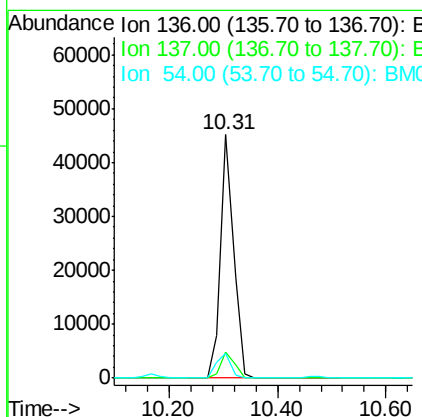
RT: 10.31 min Scan# 532

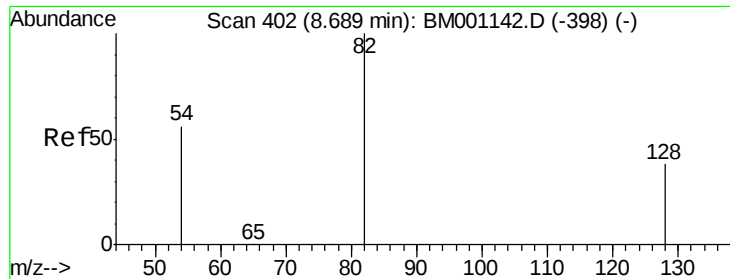
Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Tgt Ion:	136	Resp:	74790
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.4
54	10.2	9.0	13.4





#7

Nitrobenzene-d5

Concen: 10.84 ng

RT: 8.69 min Scan# 402

Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

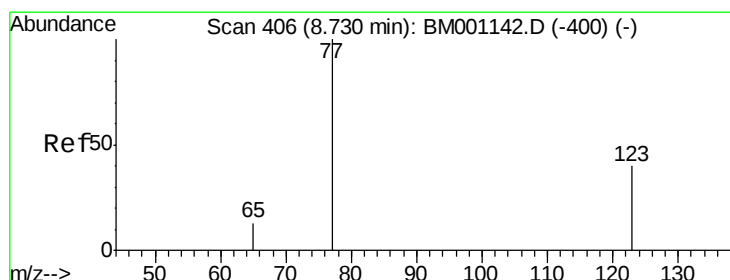
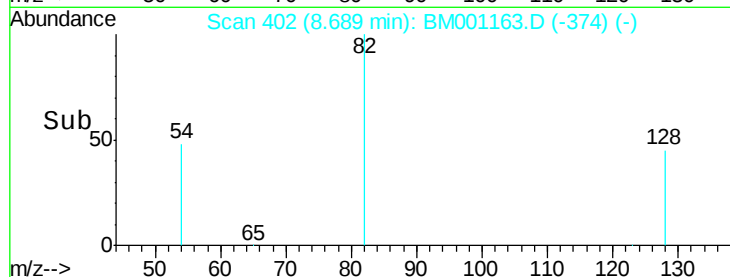
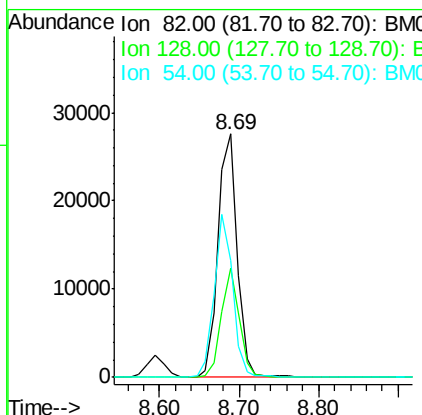
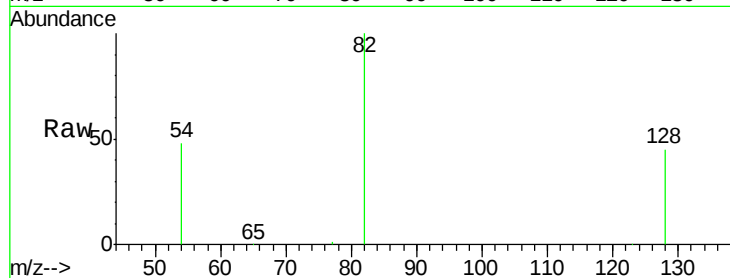
ClientSampled :

MWJ-1MSD

Tot Ion:	82	Resp:	45926
Ion Ratio	Lower	Upper	
82	100		
128	44.8	31.9	47.9
54	47.8	46.2	69.2

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#8

Nitrobenzene

Concen: 9.21 ng

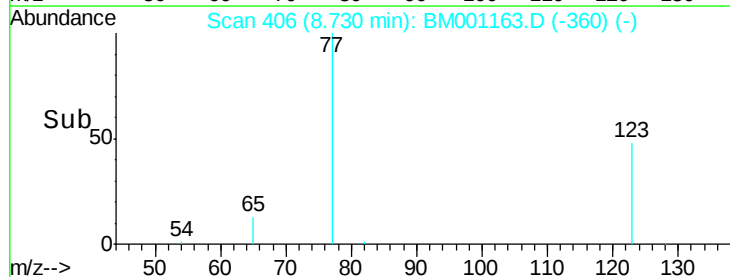
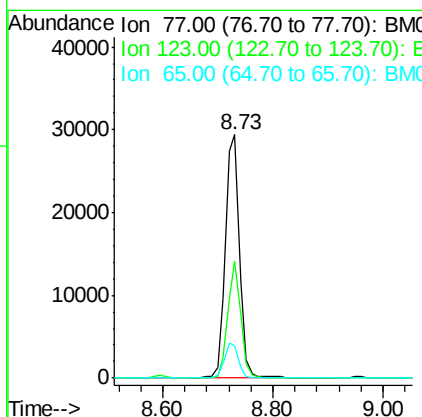
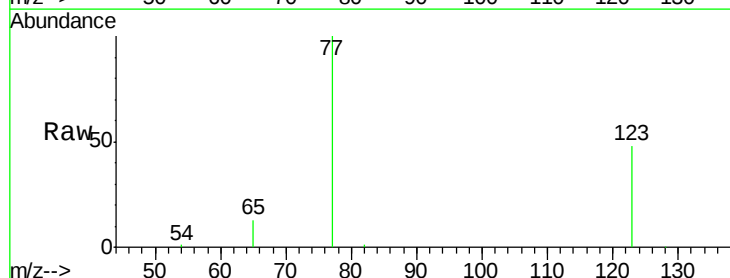
RT: 8.73 min Scan# 406

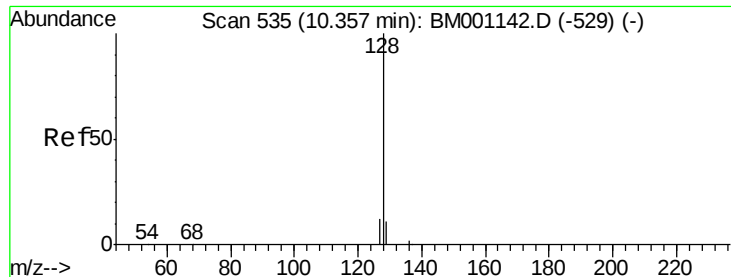
Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Tgt Ion:	77	Resp:	51582
Ion Ratio	Lower	Upper	
77	100		
123	43.4	31.0	46.6
65	14.2	10.6	15.8





#9

Naphthalene

Concen: 8.82 ng

RT: 10.36 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM001163.D

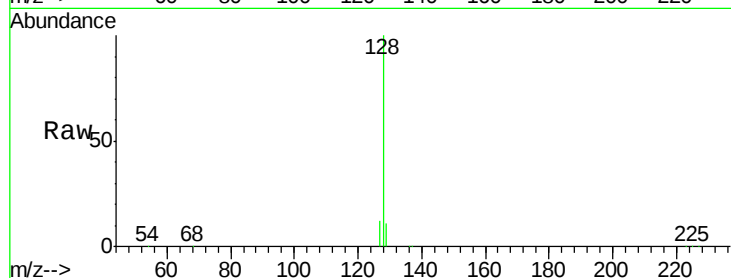
Acq: 02 May 2015 11:39

Instrument :

BNA_M

ClientSampleId :

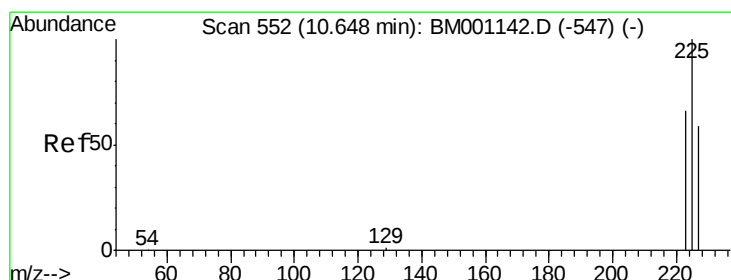
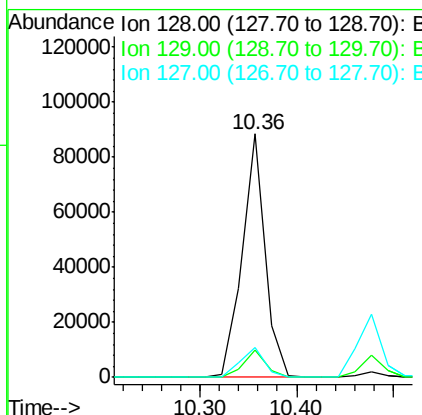
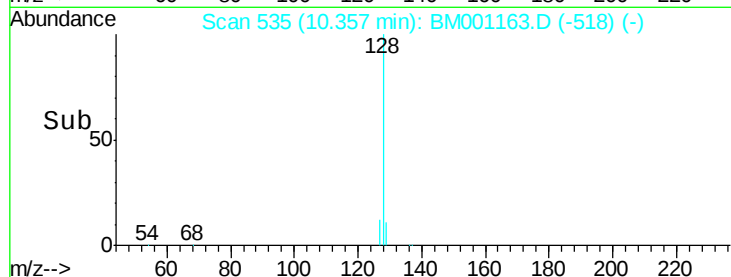
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Tot Ion:	128	Resp:	145093
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	12.2	10.0	15.0

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#10

Hexachlorobutadiene

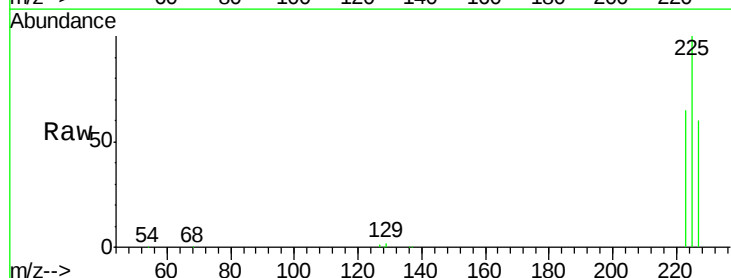
Concen: 7.39 ng

RT: 10.65 min Scan# 552

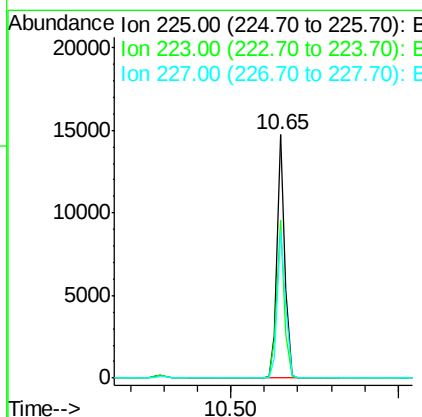
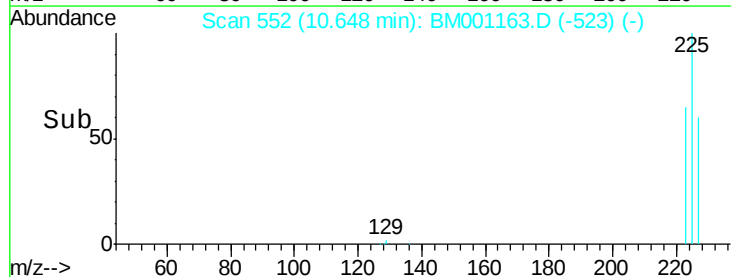
Delta R.T. 0.00 min

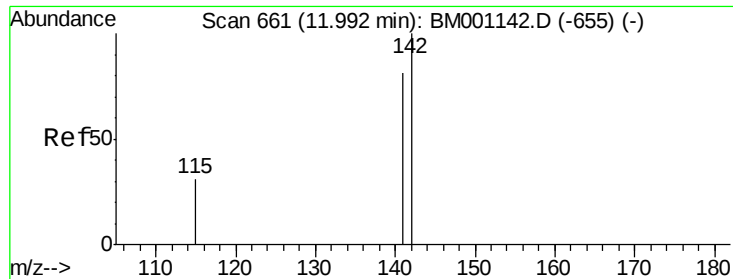
Lab File: BM001163.D

Acq: 02 May 2015 11:39



Tgt Ion:	225	Resp:	23427
Ion Ratio	Lower	Upper	
225	100		
223	63.2	50.8	76.2
227	63.5	51.0	76.4





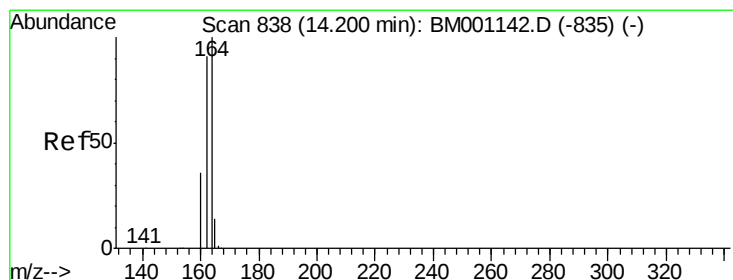
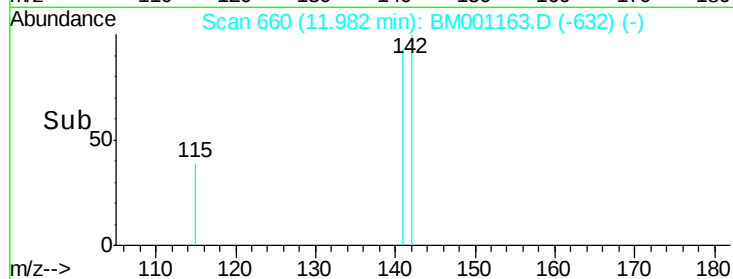
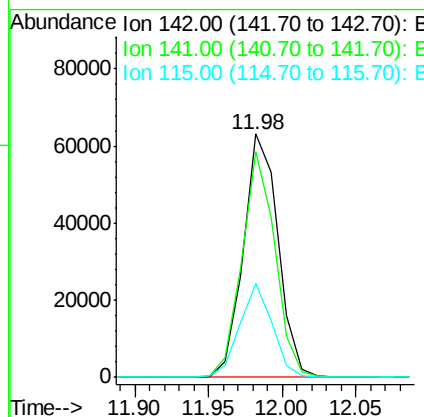
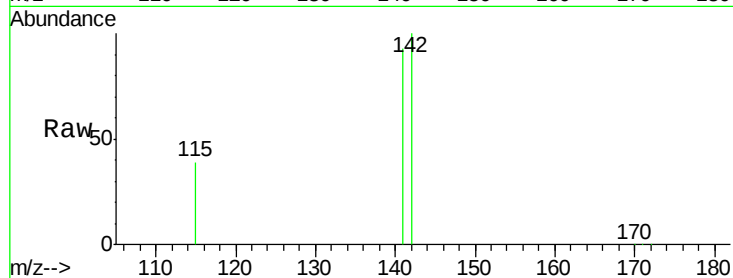
#11
2-Methylnaphthalene
Concen: 9.16 ng m
RT: 11.98 min Scan# 660
Delta R.T. -0.01 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.7	65.1	97.7
115	38.6	25.1	37.7

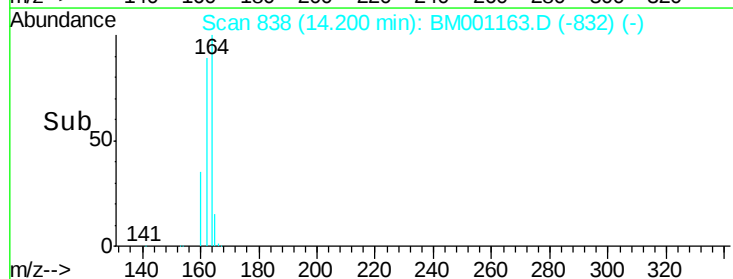
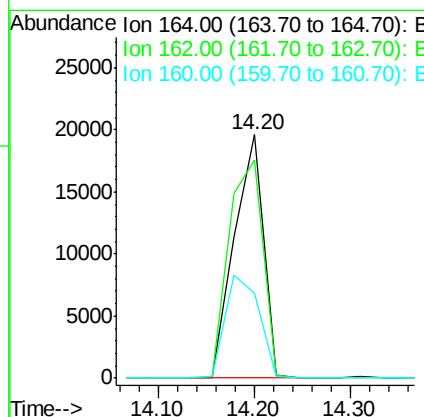
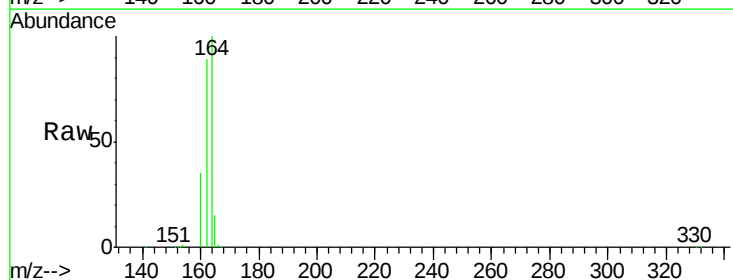
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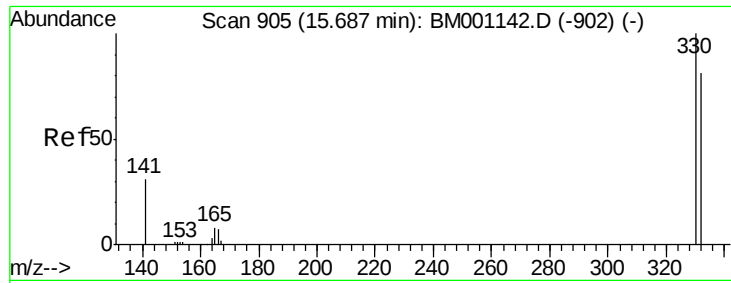
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 838
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.4	72.7	109.1
160	34.8	28.7	43.1





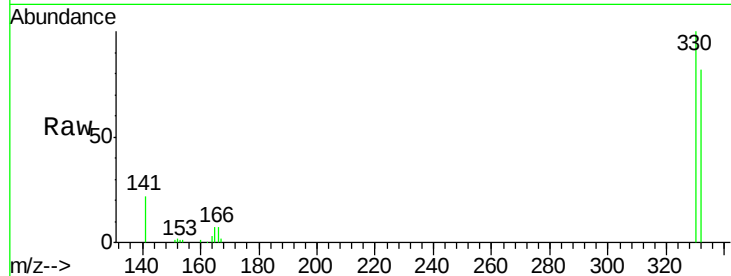
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 2,4,6-Tribromophenol
 Concen: 15.38 ng
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001163.D
 Acq: 02 May 2015 11:39

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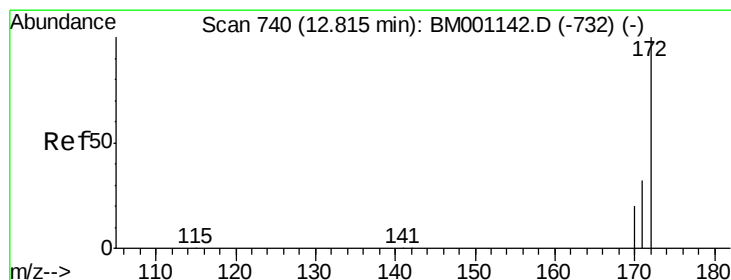
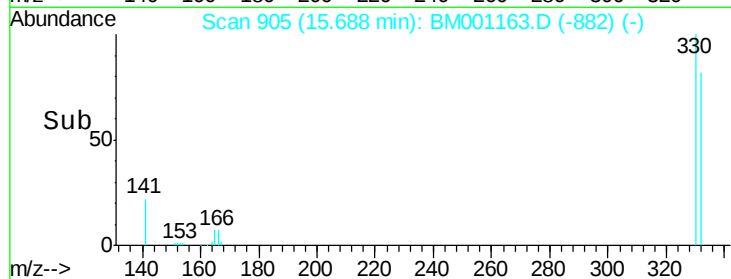
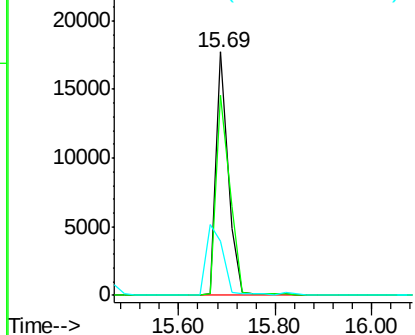
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.9	74.5	111.7
141	0.0	21.0	31.4#

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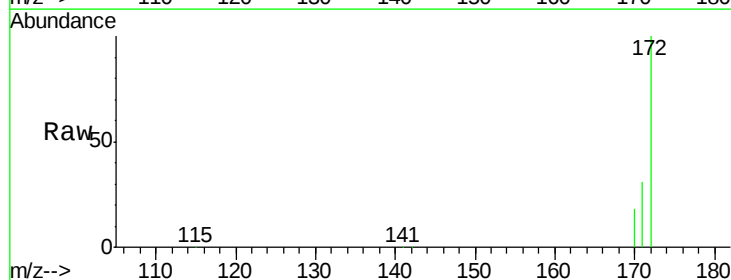


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

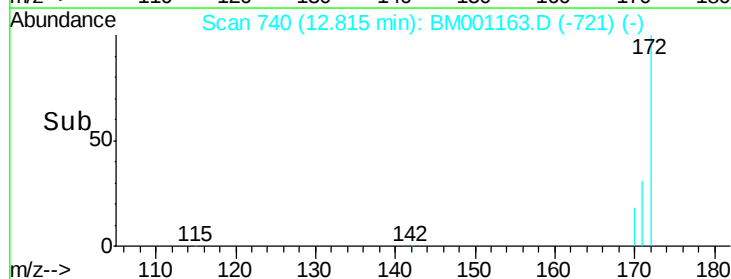
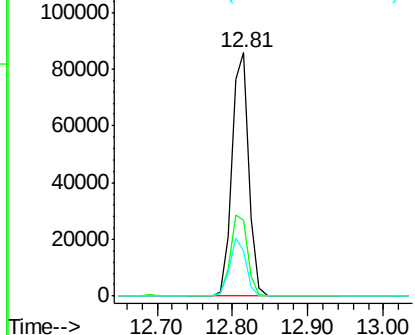


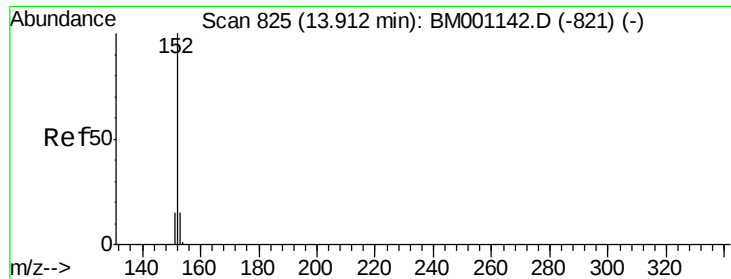
#14
 2-Fluorobiphenyl
 Concen: 9.83 ng
 RT: 12.81 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BM001163.D
 Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.3	25.8	38.6
170	18.3	16.1	24.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 10.21 ng

RT: 13.89 min Scan# 824

Delta R.T. -0.02 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

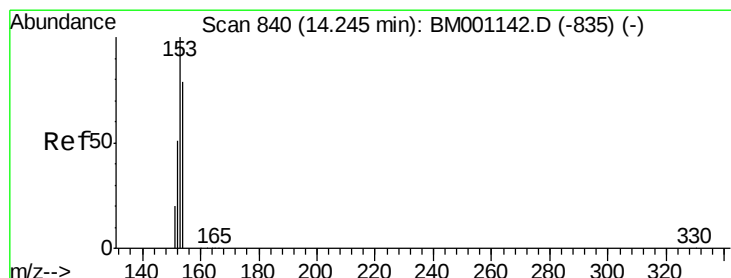
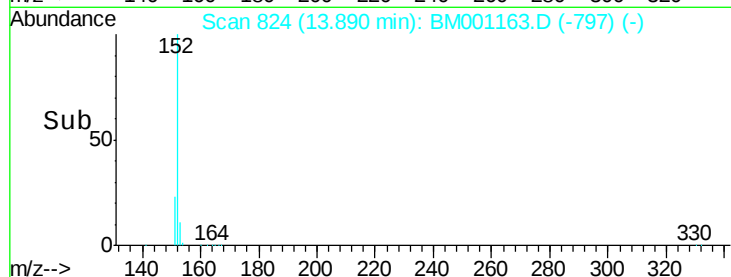
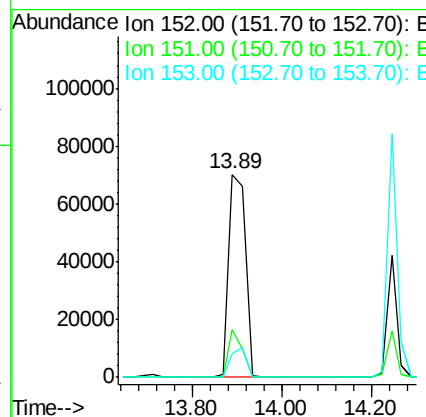
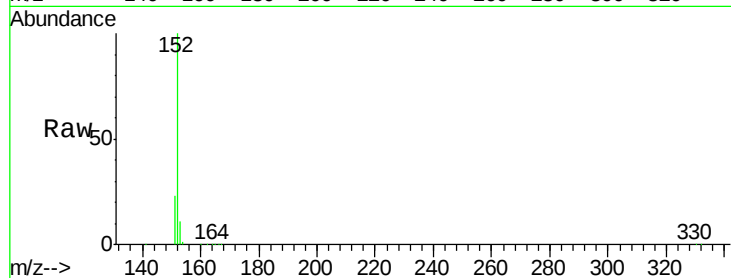
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
152	100	184781		
151	19.1	0.0	0.0	0.0
153	0.0	10.3	15.5	



#16

Acenaphthene

Concen: 10.36 ng

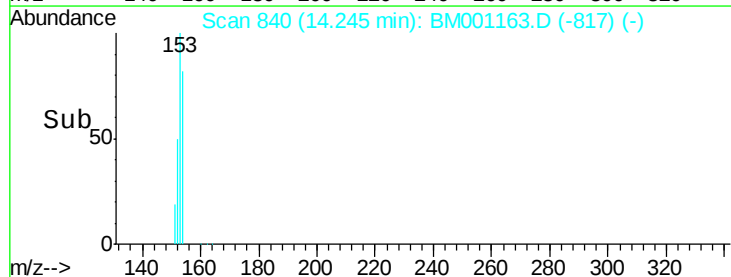
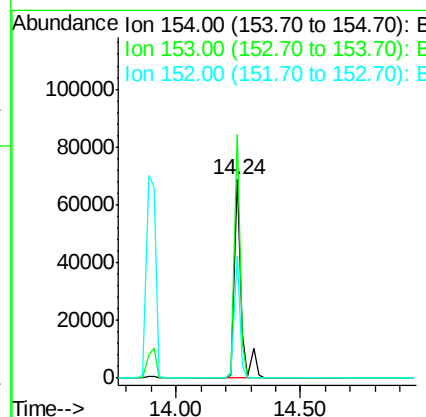
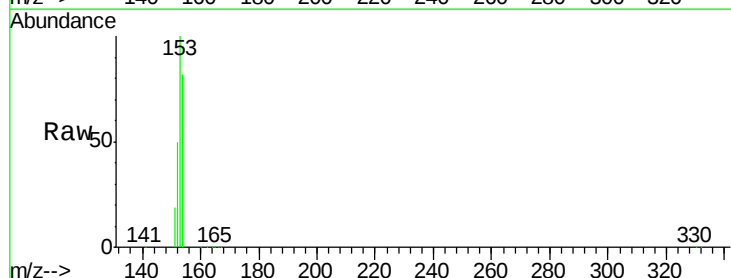
RT: 14.24 min Scan# 840

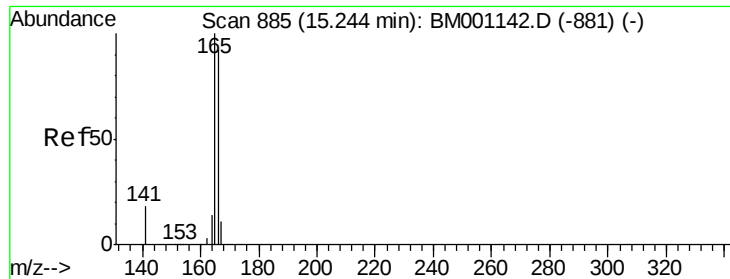
Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	129596		
153	101.0	90.6	136.0	
152	49.5	45.0	67.4	





#17

Fluorene

Concen: 10.86 ng

RT: 15.24 min Scan# 885

Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

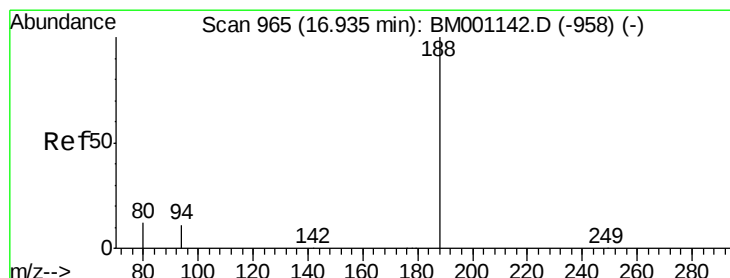
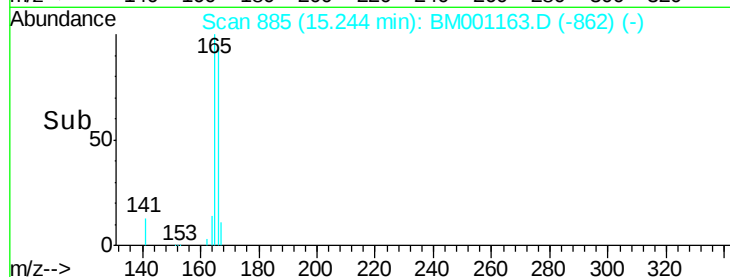
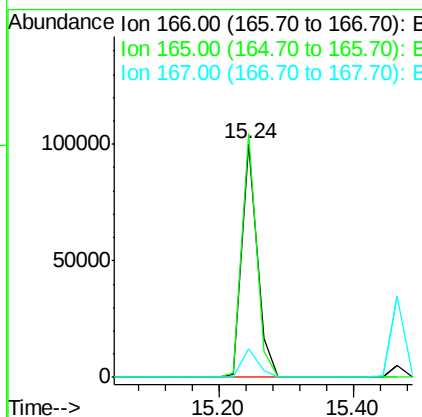
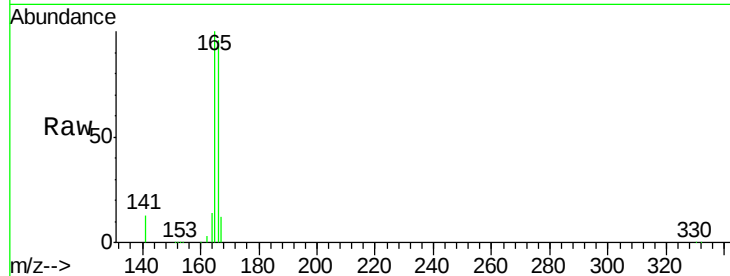
ClientSampleId :

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Tot Ion:	166	Resp:	157459
Ion Ratio	Lower	Upper	
166	100		
165	99.7	81.0	121.6
167	13.0	10.4	15.6

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#18

Phenanthrene-d10

Concen: 5.00 ng

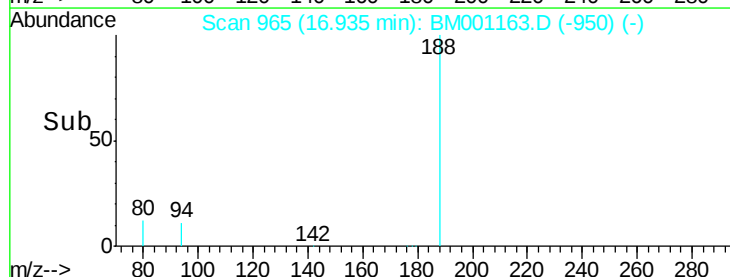
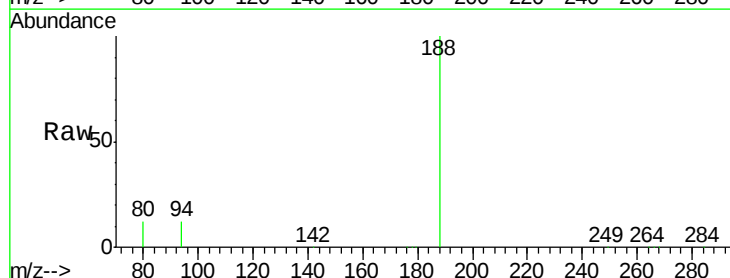
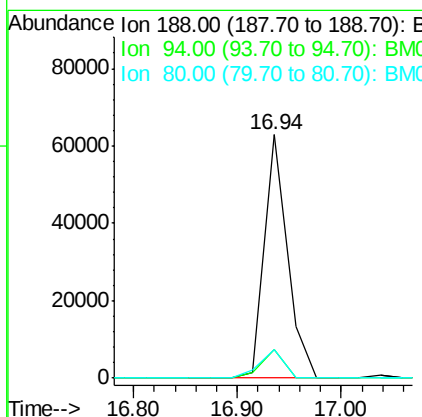
RT: 16.94 min Scan# 965

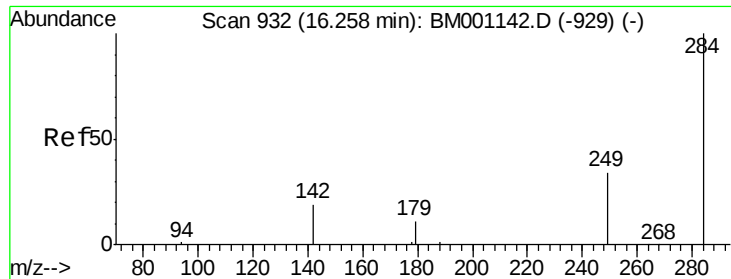
Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Tgt Ion:	188	Resp:	95904
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.3	13.9
80	11.9	9.8	14.6





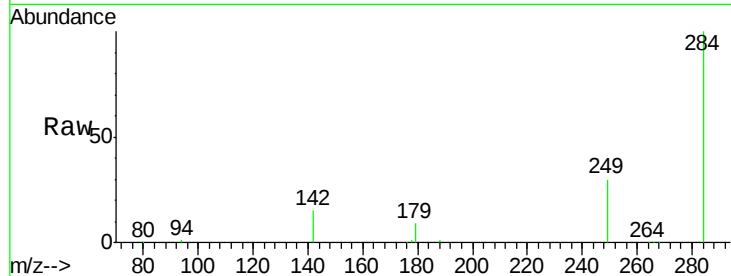
#19
Hexachlorobenzene
Concen: 10.27 ng
RT: 16.26 min Scan# 932
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

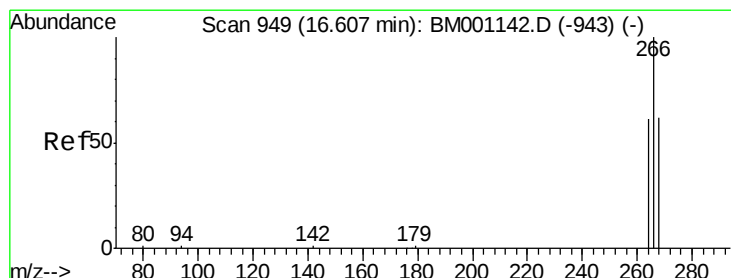
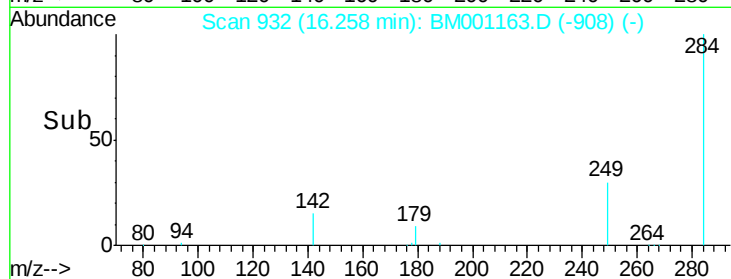
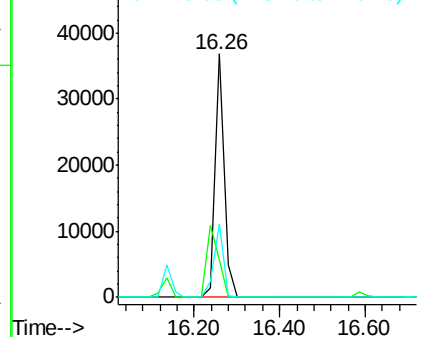
Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	32.4	26.5	39.7

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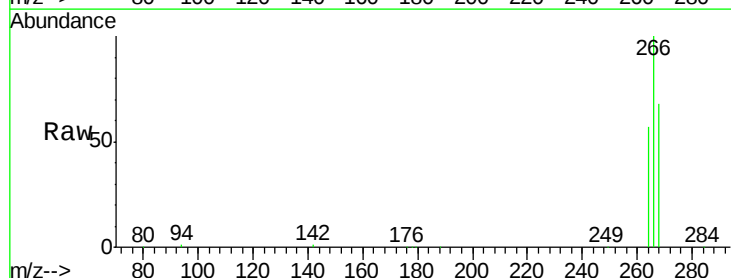


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

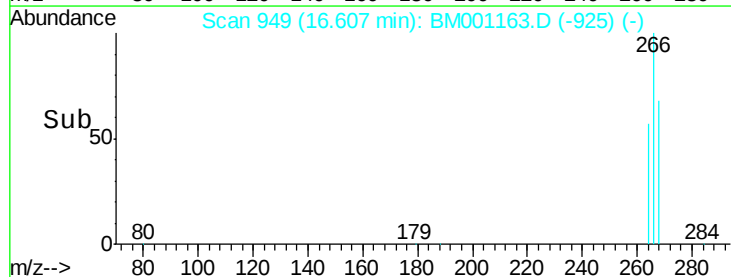
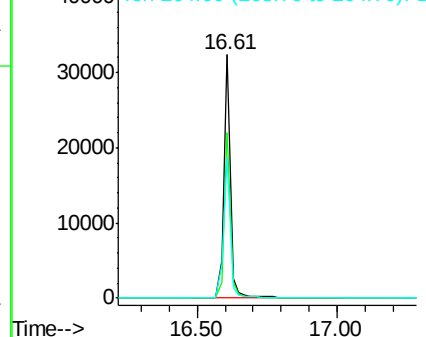


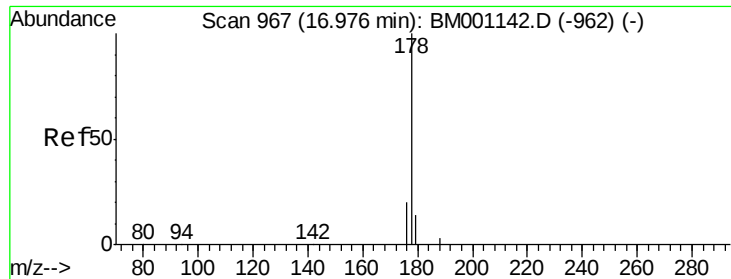
#20
Pentachlorophenol
Concen: 22.58 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.8	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





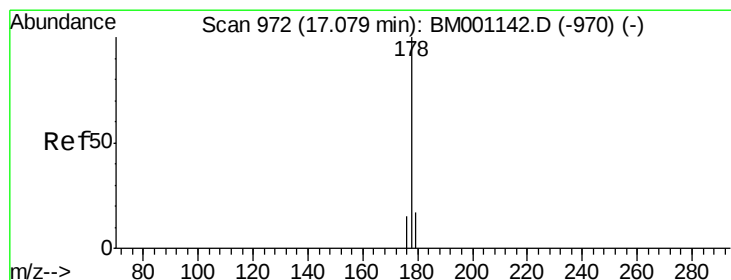
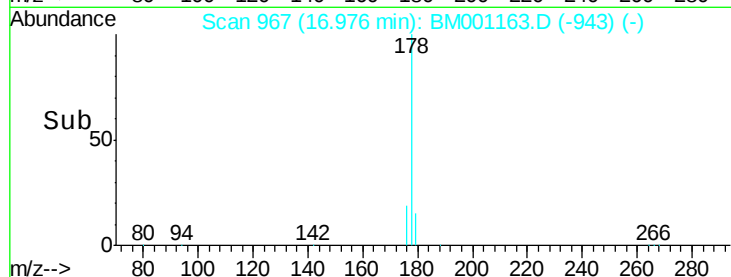
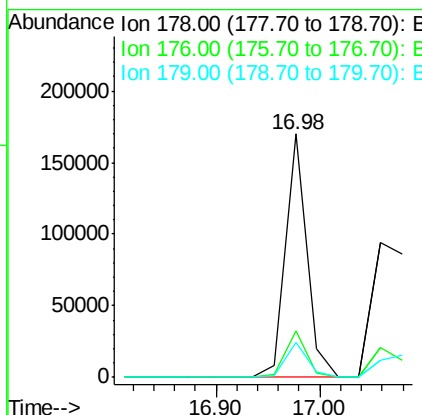
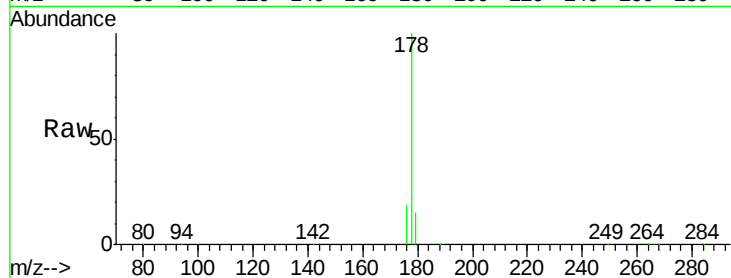
#21
Phenanthrene
Concen: 9.89 ng
RT: 16.98 min Scan# 967
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.1	12.0	18.0

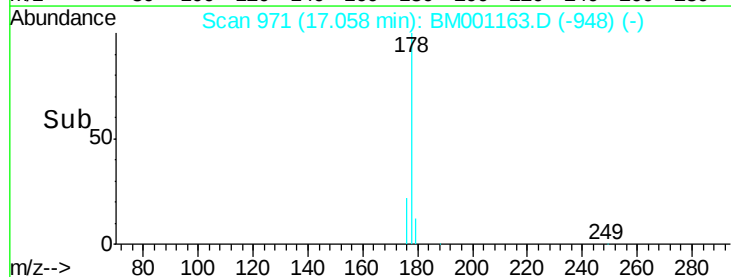
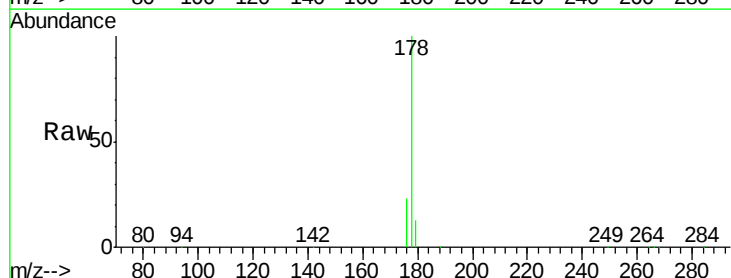
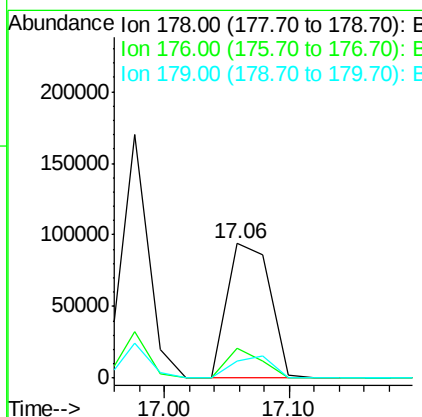
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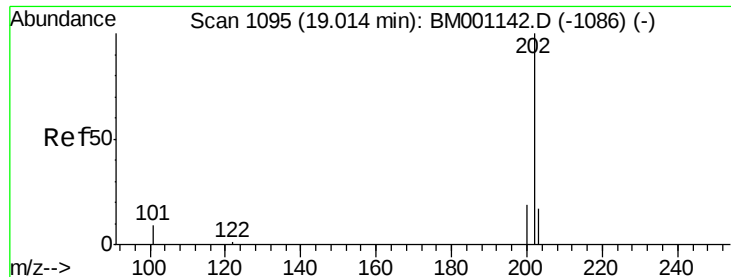
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#22
Anthracene
Concen: 11.10 ng m
RT: 17.06 min Scan# 971
Delta R.T. -0.02 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.3	21.5
179	16.2	12.2	18.2





#23

Fluoranthene

Concen: 10.30 ng

RT: 19.01 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM001163.D

Acq: 02 May 2015 11:39

Instrument :

BNA_M

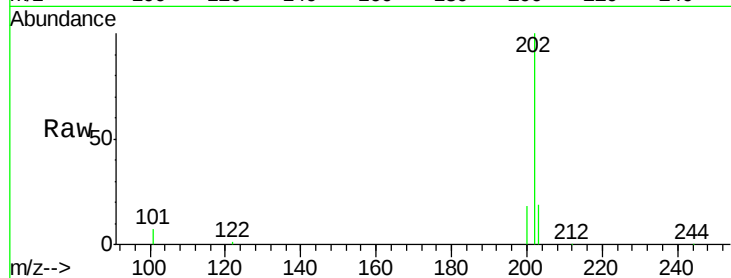
ClientSampleId :

MWJ-1MSD

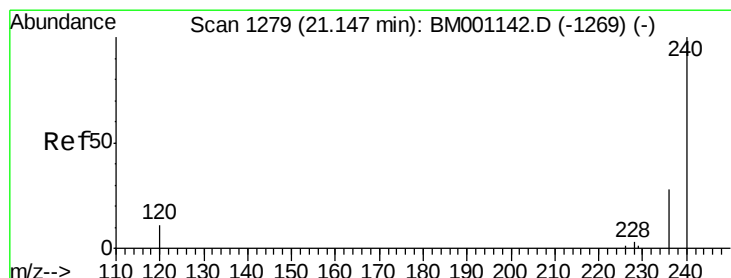
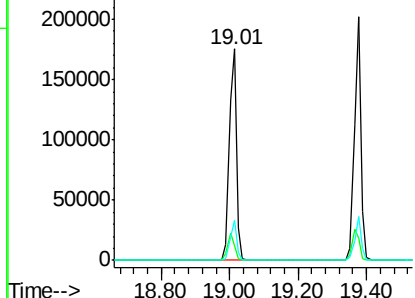
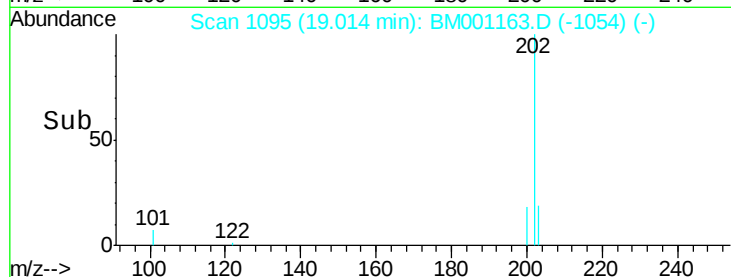
Tot Ion:	202	Resp:	257438
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.3	13.9
203	17.4	13.7	20.5

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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

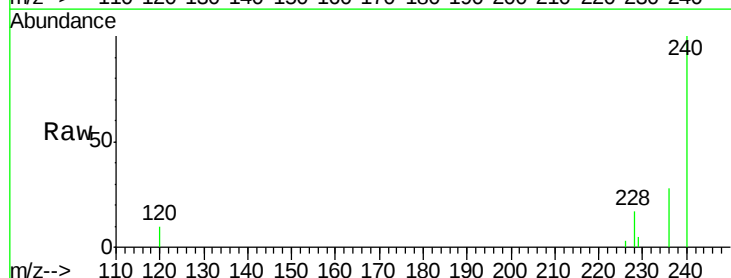
RT: 21.15 min Scan# 1279

Delta R.T. 0.00 min

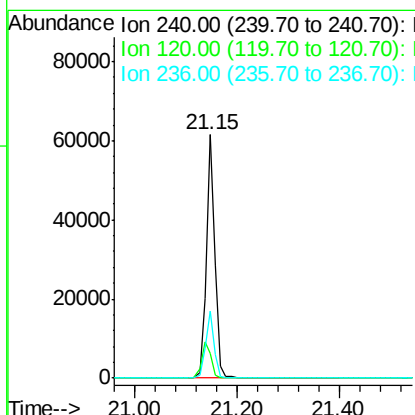
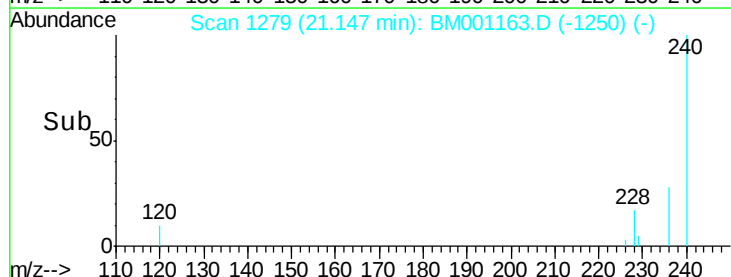
Lab File: BM001163.D

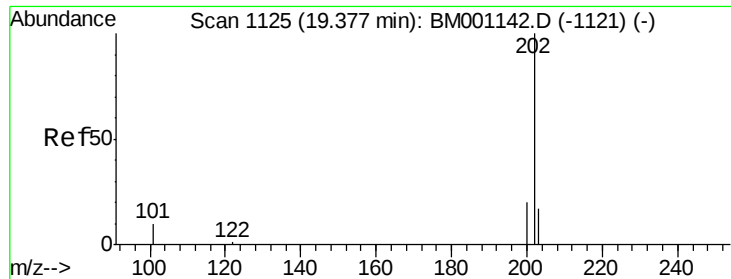
Acq: 02 May 2015 11:39

Tgt Ion:	240	Resp:	72550
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.2	13.8
236	27.6	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





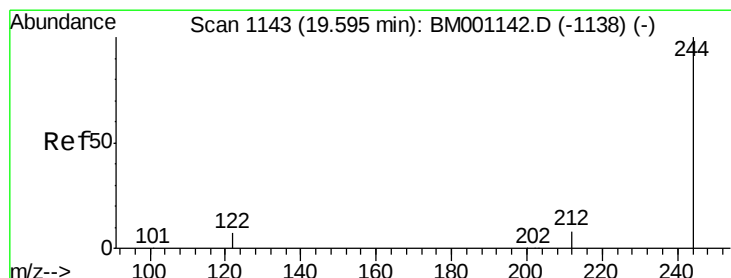
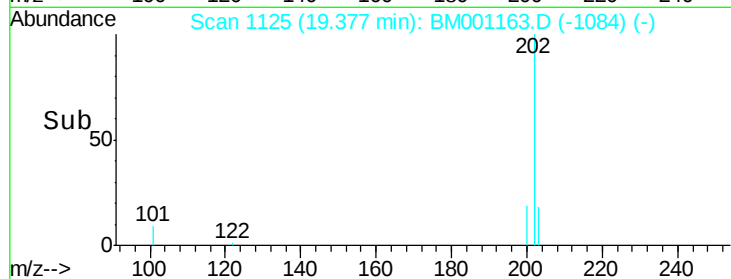
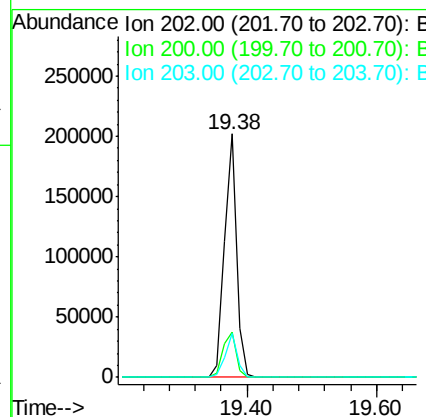
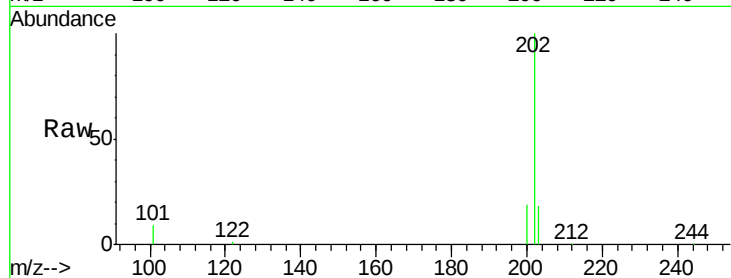
#25
Pvrene
Concen: 11.84 ng
RT: 19.38 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	16.4	24.6
203	17.7	13.8	20.6

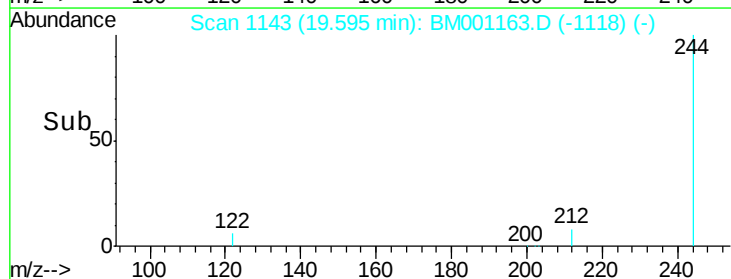
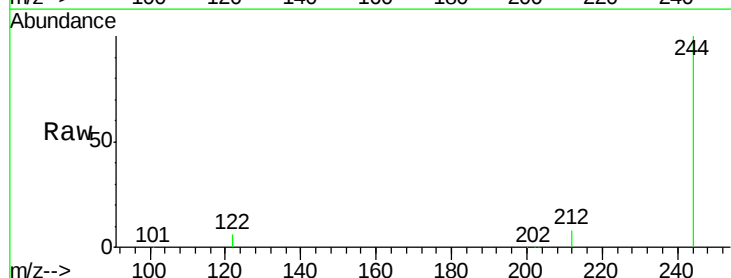
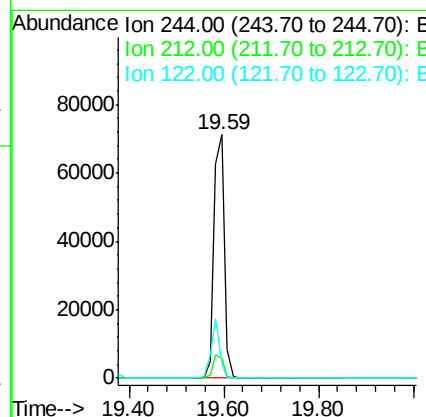
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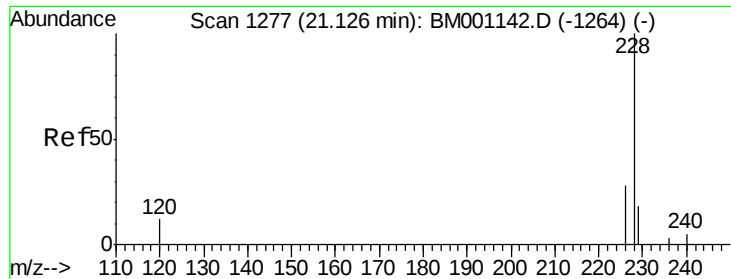
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#26
Terphenyl-d14
Concen: 10.83 ng
RT: 19.59 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

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





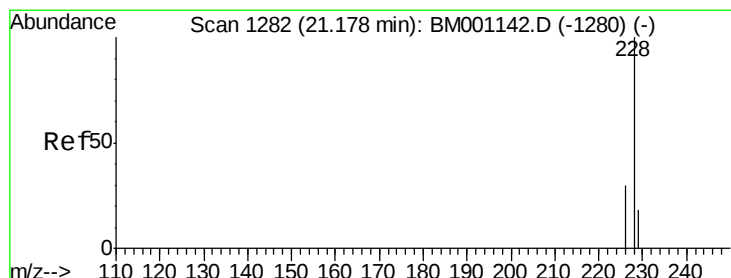
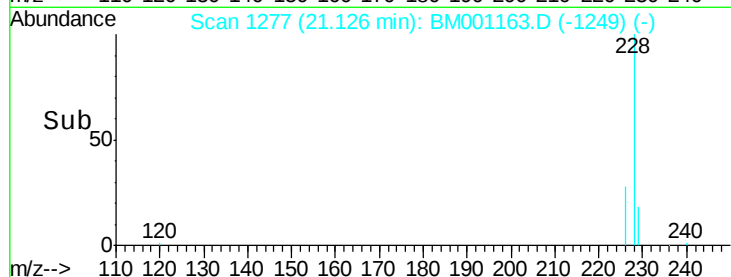
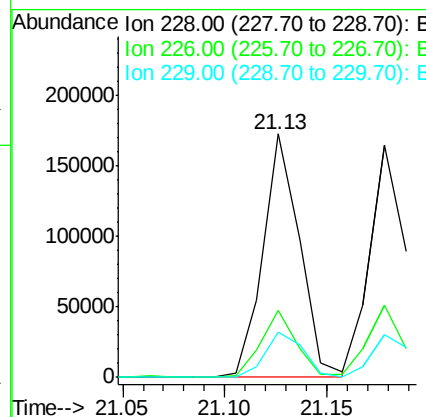
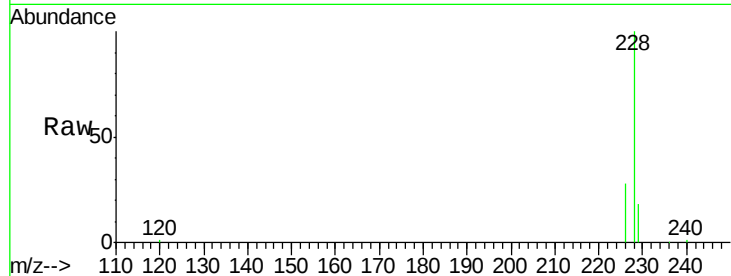
#27
Benzo(a)anthracene
Concen: 10.47 ng
RT: 21.13 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.8	34.2
229	18.4	14.4	21.6

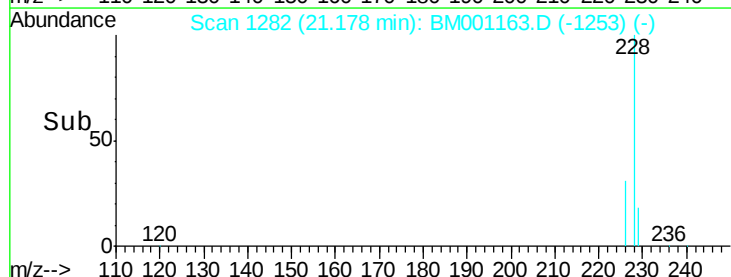
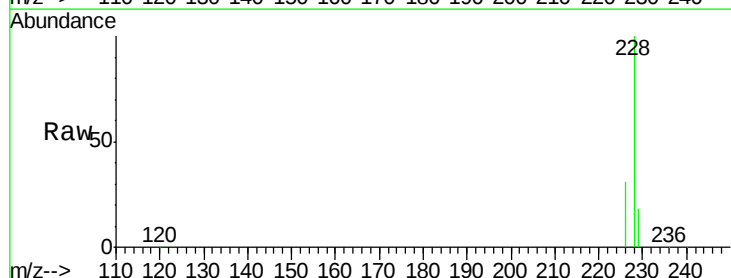
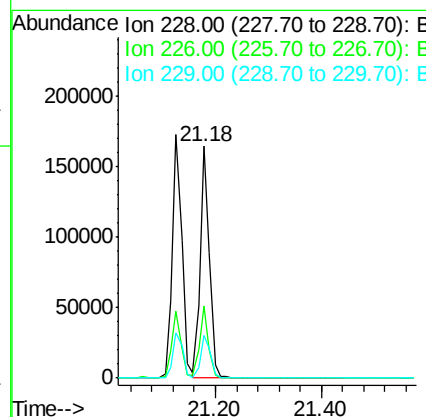
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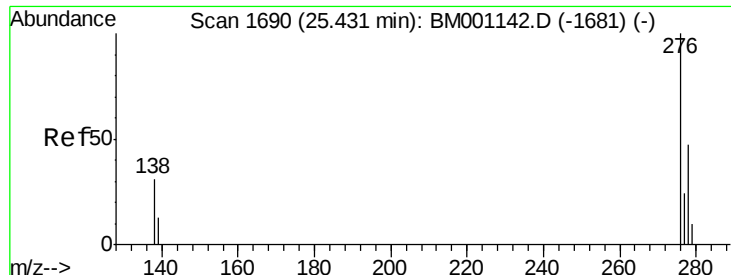
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#28
Chrysene
Concen: 9.92 ng
RT: 21.18 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	18.2	14.3	21.5





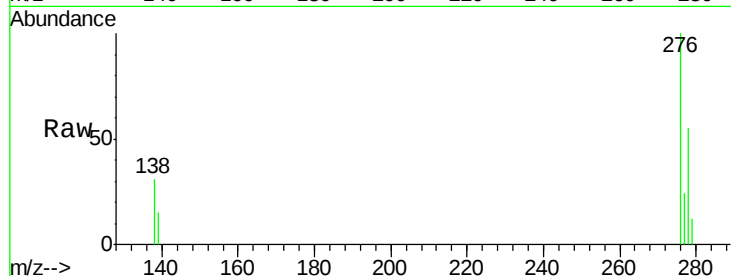
#29
Indeno(1,2,3-cd)pyrene
Concen: 8.42 ng
RT: 25.43 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

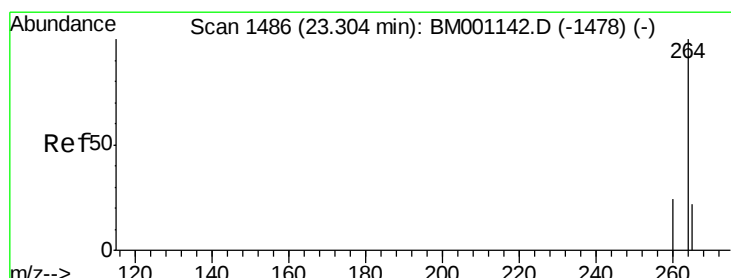
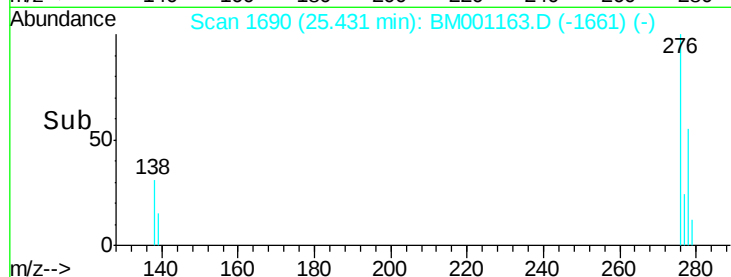
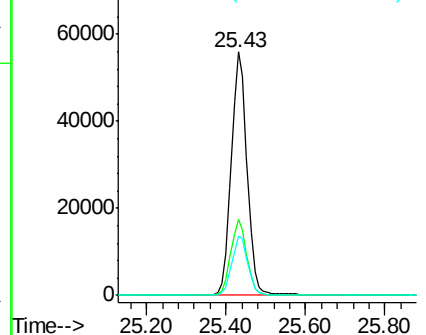
Tot Ion	Ratio	Resp	Lower	Upper
276	100	154121		
138	31.4	24.2	36.4	
277	24.6	19.8	29.6	

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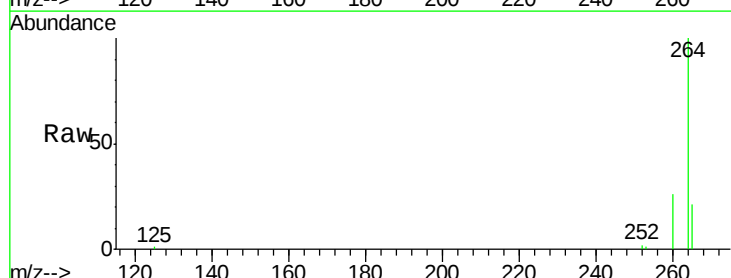


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

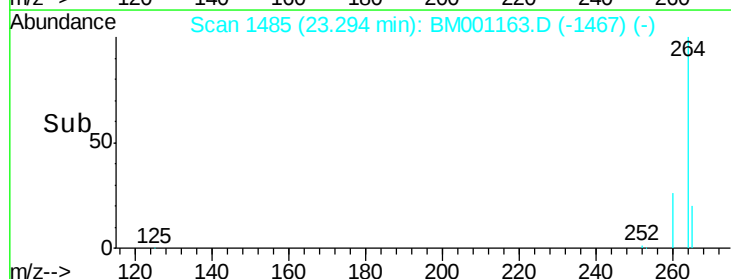
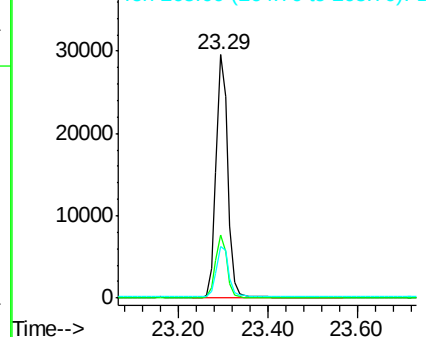


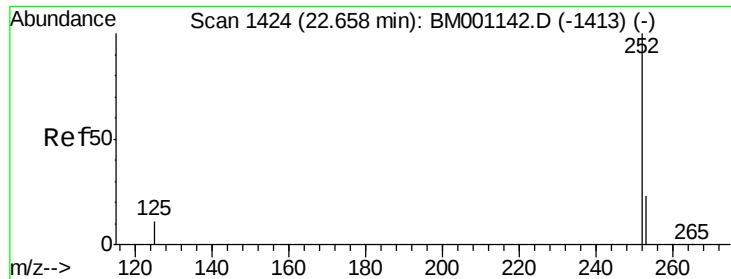
#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	53514		
260	26.0	18.9	28.3	
265	21.0	18.1	27.1	



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





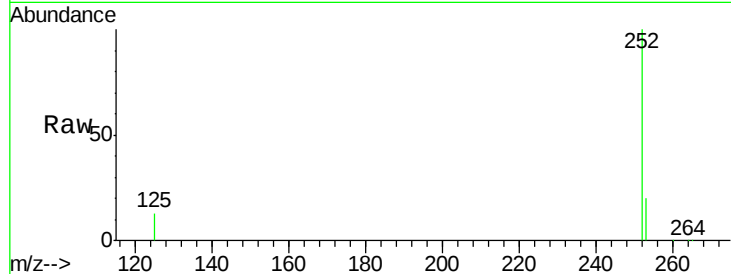
#31
Benzo(b)fluoranthene
Concen: 10.35 ng
RT: 22.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

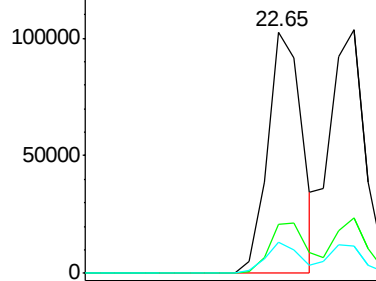
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	20.3	19.0	28.4
125	12.8	9.1	13.7

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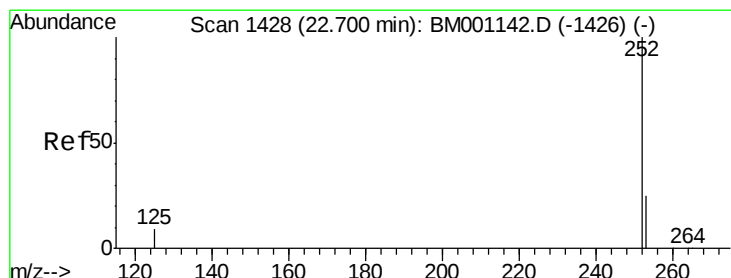
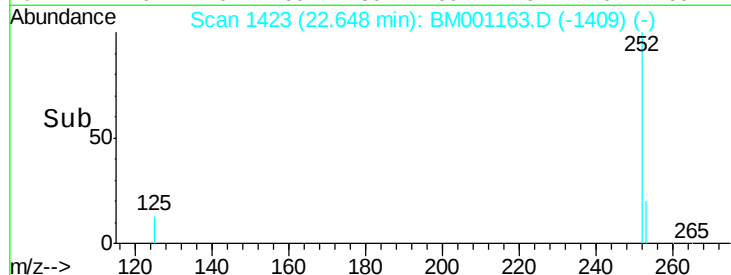
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5/5/2015 8:04:34 AM



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



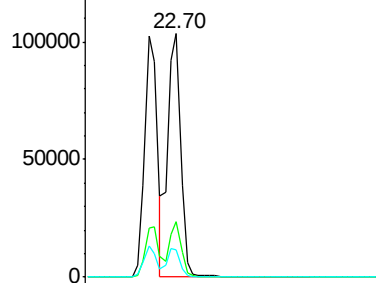
Time-->



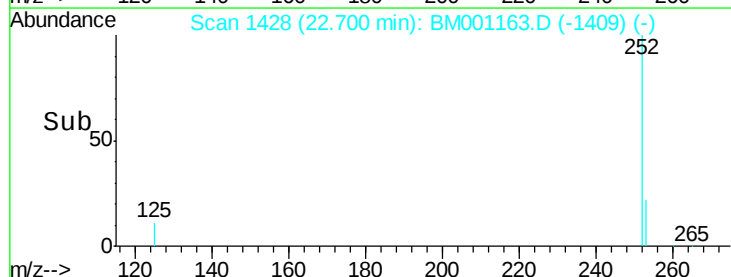
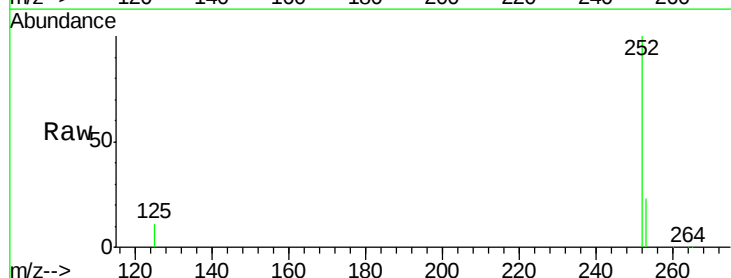
#32
Benzo(k)fluoranthene
Concen: 11.40 ng
RT: 22.70 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

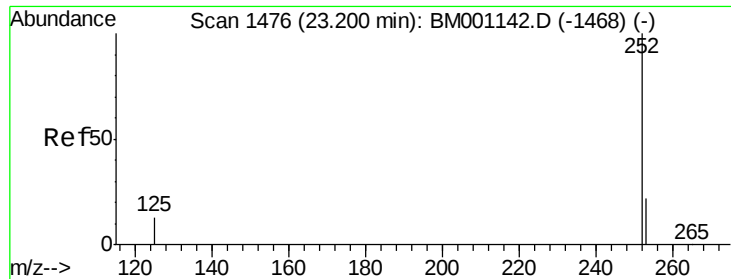
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	19.1	28.7
125	11.1	9.3	13.9

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



Time-->





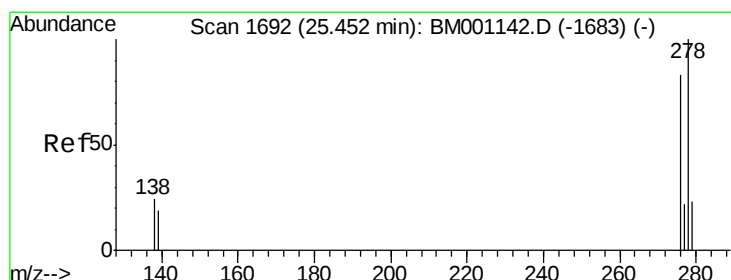
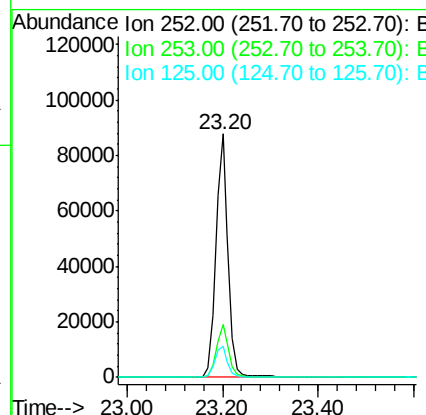
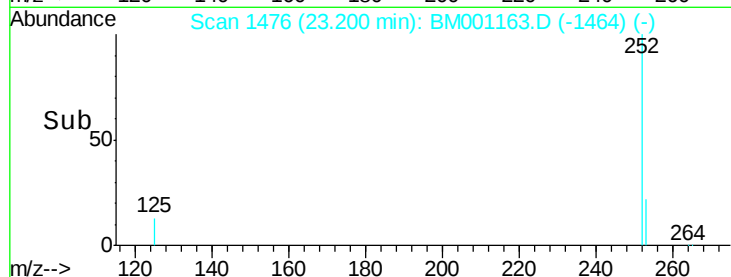
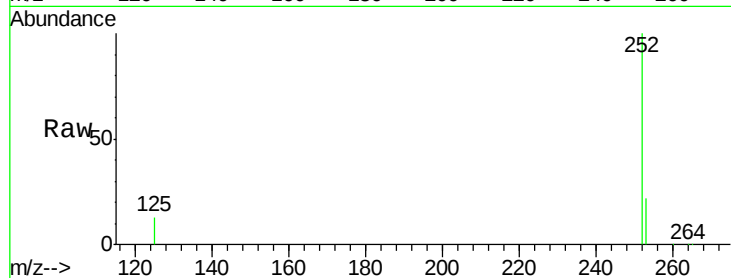
#33
Benzo(a)pyrene
Concen: 11.36 ng
RT: 23.20 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Instrument :
BNA_M
ClientSampleId :
MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	12.9	10.6	16.0

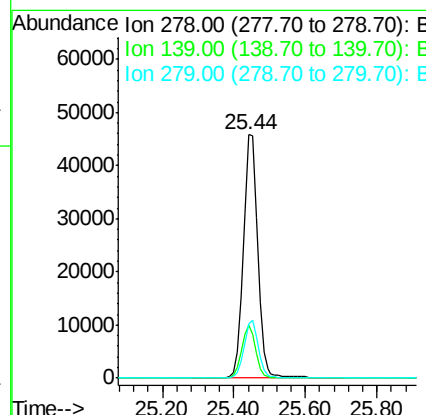
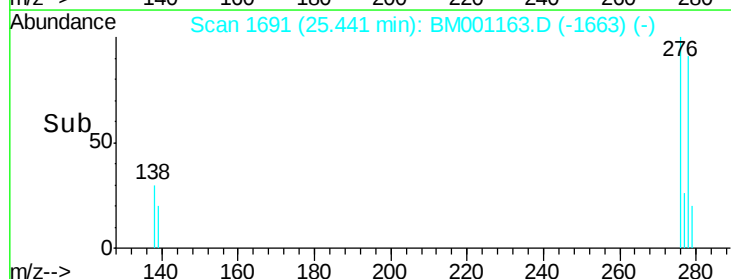
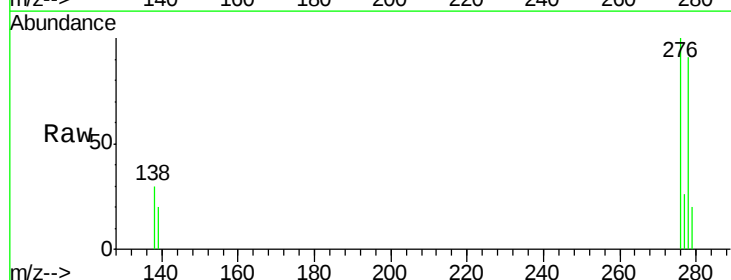
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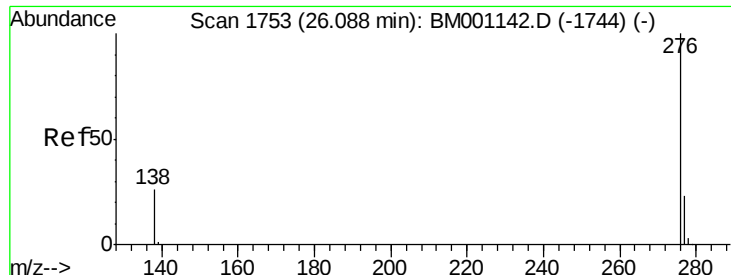
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#34
Dibenzo(a,h)anthracene
Concen: 10.20 ng
RT: 25.44 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BM001163.D
Acq: 02 May 2015 11:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	15.5	23.3
279	22.4	19.7	29.5





#35
 Benzo(a,h,i)perylene
 Concen: 9.88 ng
 RT: 26.09 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM001163.D
 Acq: 02 May 2015 11:39

Instrument :
 BNA_M
 ClientSampleId :
 MWJ-1MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	26.0	21.3	31.9

Manual Integrations
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