

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\
 Data File : BM003065.D
 Acq On : 05 Nov 2015 15:44
 Operator : UM/IZ
 Sample : G4259-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-01-110315

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:46:06 PM

Quant Time: Nov 17 13:02:37 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 12:50:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	99963	5.00	ng	0.00
7) Naphthalene-d8	10.54	136	441413	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	256578	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	486440	5.00	ng	0.00
26) Chrysene-d12	21.34	240	451653	5.00	ng	0.00
35) Perylene-d12	23.60	264	389140	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	135381	6.40	ng	0.00
5) Phenol-d6	6.92	99	118009	4.78	ng	0.00
8) Nitrobenzene-d5	8.92	82	153699	7.55	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	161608	24.32	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	522239	6.46	ng	0.00
29) Terphenyl-d14	19.78	244	552152	8.48	ng	0.00
Target Compounds						
10) Naphthalene	10.59	128	16042	0.17	ng	# 66
18) Fluorene	15.44	166	3577	0.05	ng	# 94
22) Pentachlorophenol	16.79	266	834	0.29	ng	95
28) Pyrene	19.58	202	5427	0.04	ng	94
30) Benzo(a)anthracene	21.32	228	9192	0.11	ng	# 90
33) Bis(2-ethylhexyl)phthalate	21.24	149	12200	0.45	ng	# 99
34) Indeno(1,2,3-cd)pyrene	25.89	276	5946	0.11	ng	# 82
36) Benzo(b)fluoranthene	22.91	252	9887	0.05	ng	# 76
37) Benzo(k)fluoranthene	22.96	252	8346	0.04	ng	# 74
38) Benzo(a)pyrene	23.50	252	5988	0.06	ng	# 64
39) Dibenzo(a,h)anthracene	25.90	278	4684	0.05	ng	# 76
40) Benzo(a,h,i)perylene	26.58	276	5336	0.05	ng	# 88

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

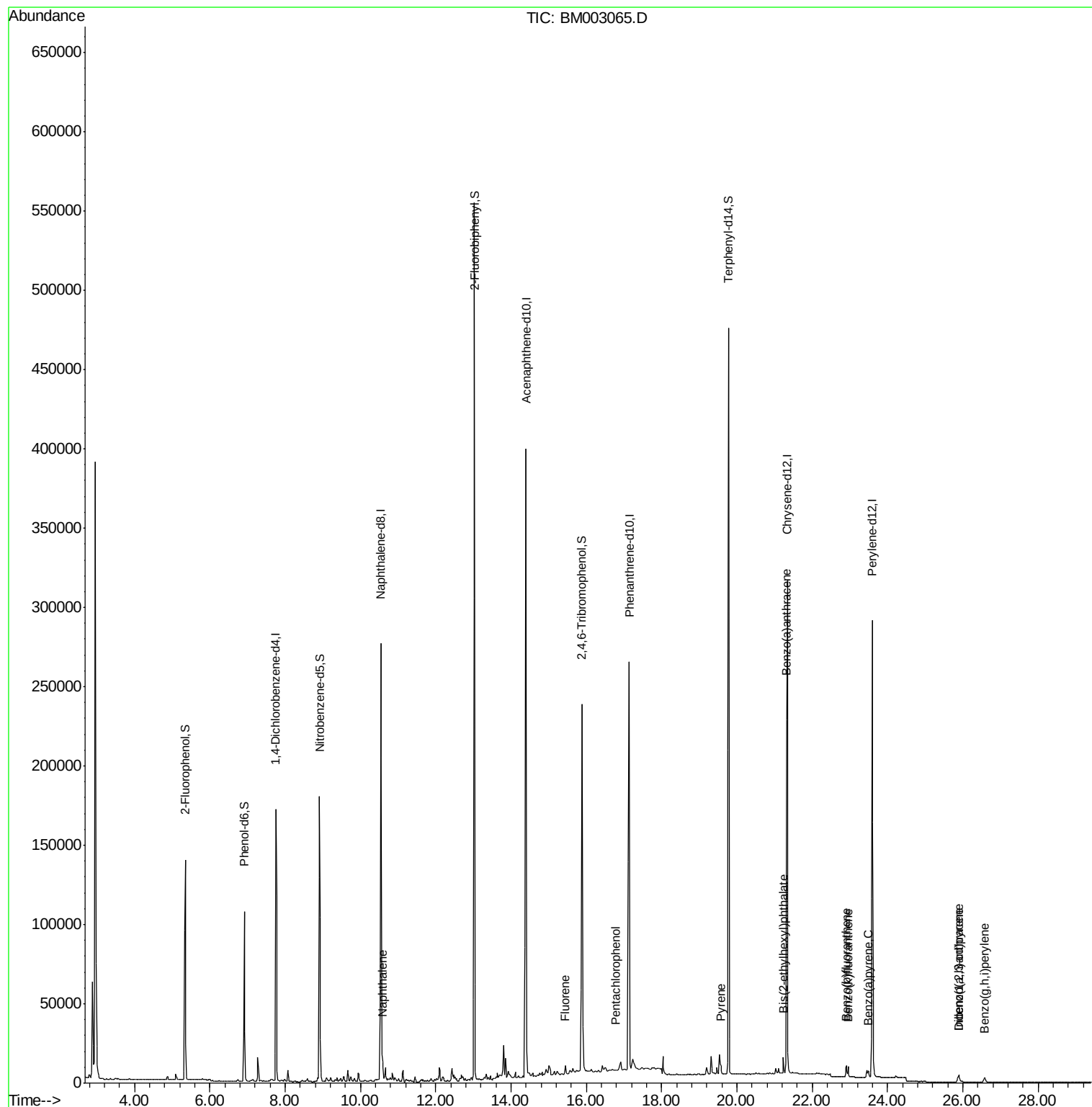
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\
Data File : BM003065.D
Acq On : 05 Nov 2015 15:44
Operator : UM/IZ
Sample : G4259-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

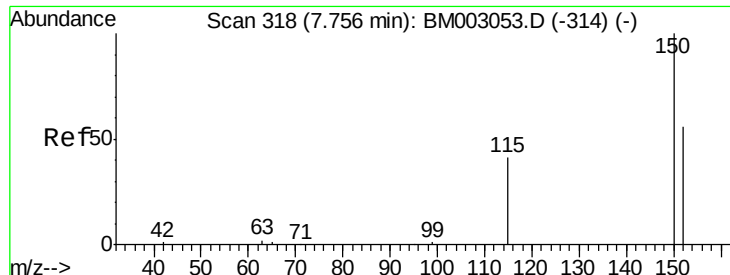
Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM

Quant Time: Nov 17 13:02:37 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 17 12:50:51 2015
Response via : Initial Calibration





#1

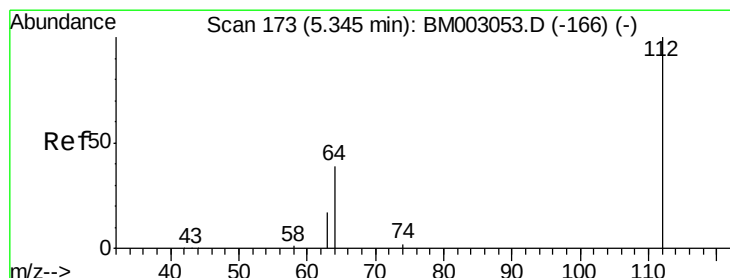
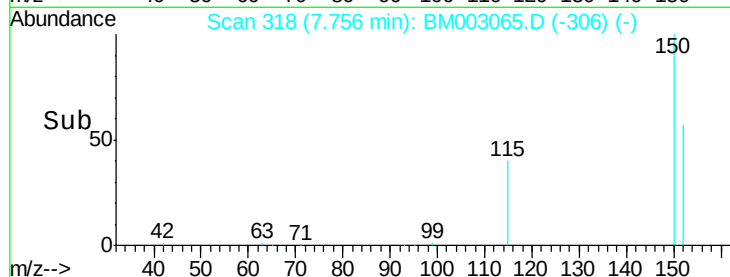
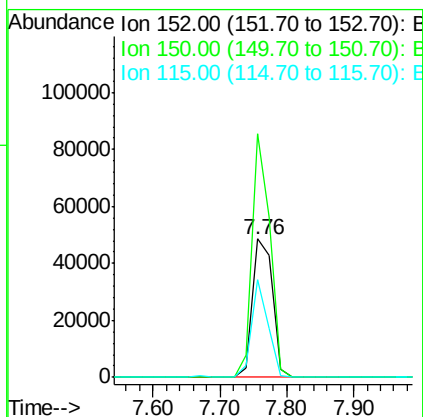
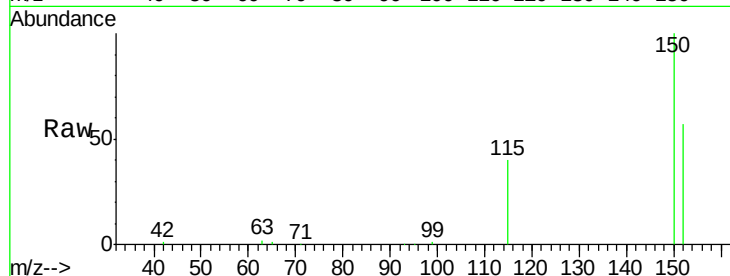
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.76 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
152	100		
150	176.4	143.6	215.4
115	70.7	58.5	87.7

Manual Integrations
APPROVED

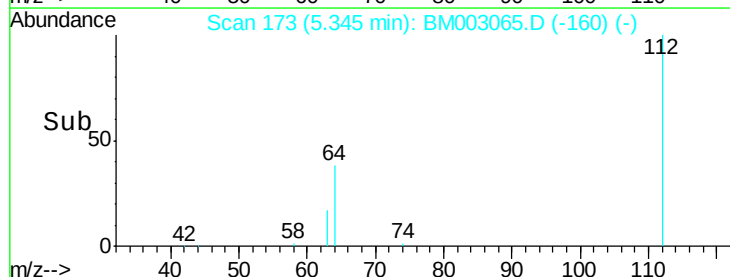
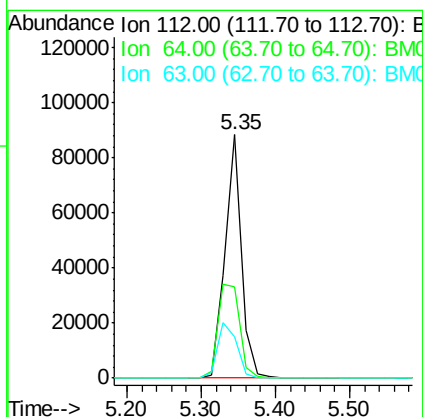
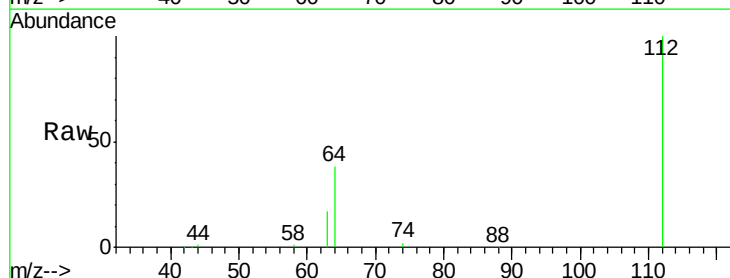
Mmdadoda
11/6/2015 3:46:06 PM

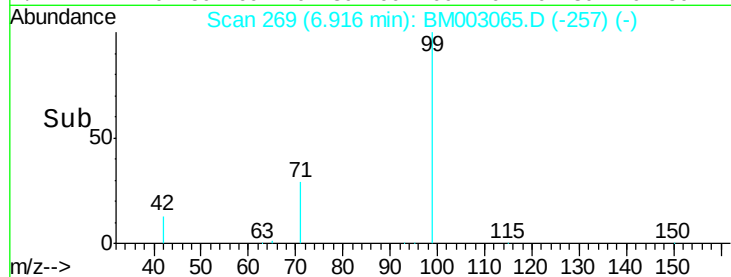
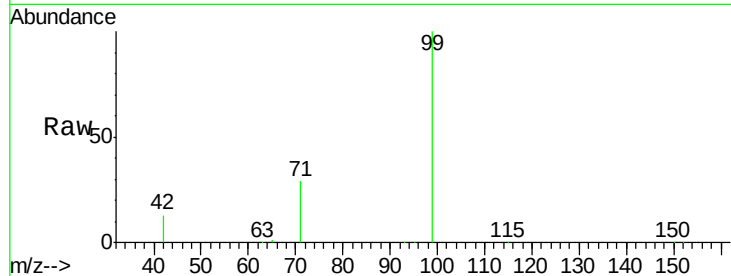
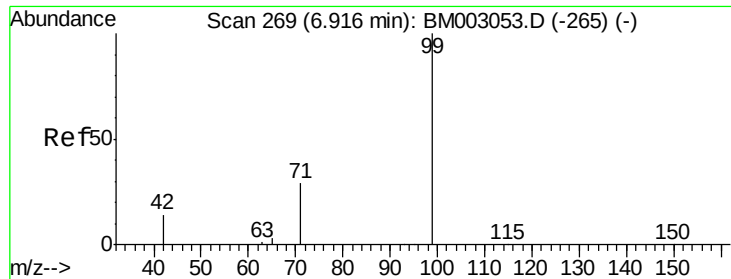


#4

2-Fluorophenol
Concen: 6.40 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	41.2	61.8
63	26.3	21.2	31.8





#5

Phenol-d6

Concen: 4.78 ng

RT: 6.92 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tot Ion:	99	Resp:	118009
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.6	22.0
71	29.8	23.3	34.9

Instrument :

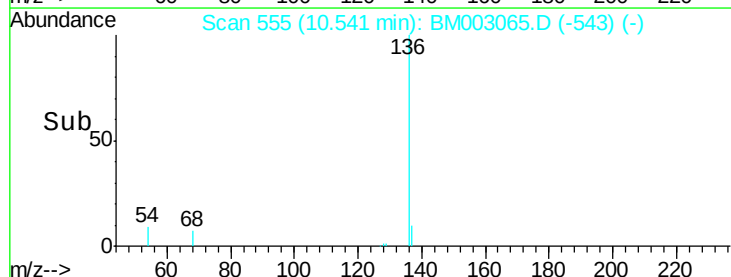
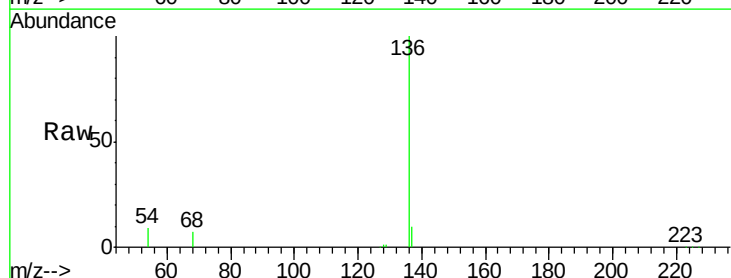
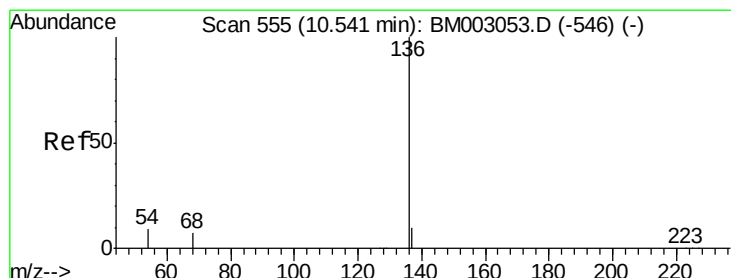
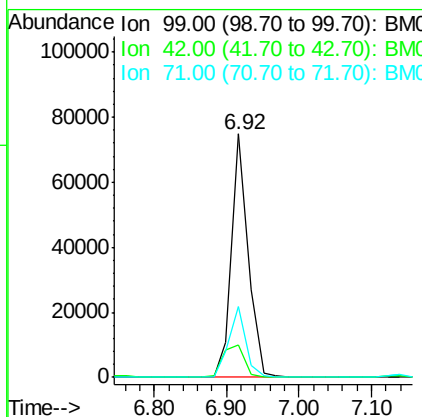
BNA_M

ClientSampleId :

MW-01-110315

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM



#7

Naphthalene-d8

Concen: 5.00 ng

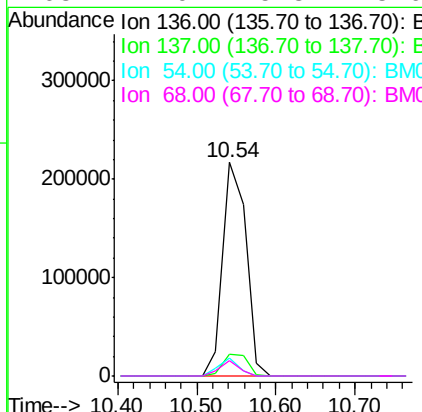
RT: 10.54 min Scan# 555

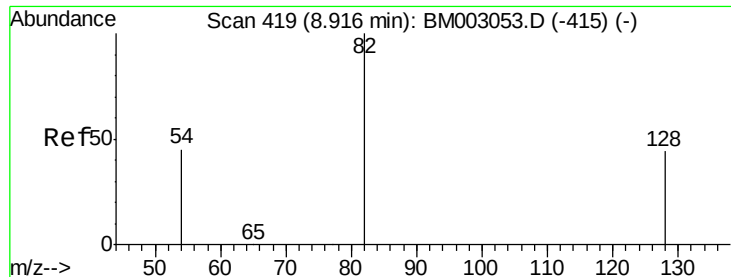
Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tgt Ion:	136	Resp:	441413
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.0	12.0
54	8.7	7.4	11.0
68	7.0	5.8	8.6





#8

Nitrobenzene-d5

Concen: 7.55 ng

RT: 8.92 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

MW-01-110315

Tot Ion: 82 Resp: 153699

Ion Ratio Lower Upper

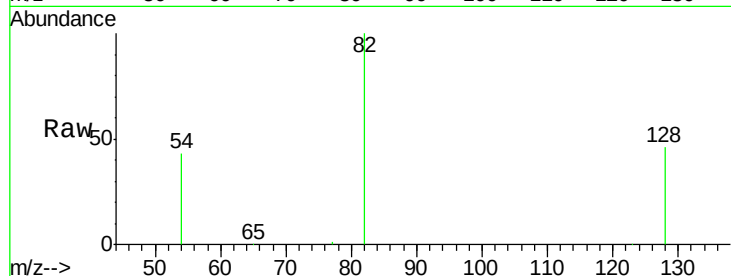
82 100

128 46.0 35.2 52.8

54 42.7 36.4 54.6

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM

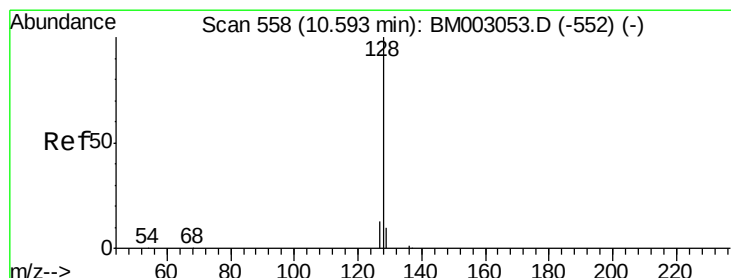
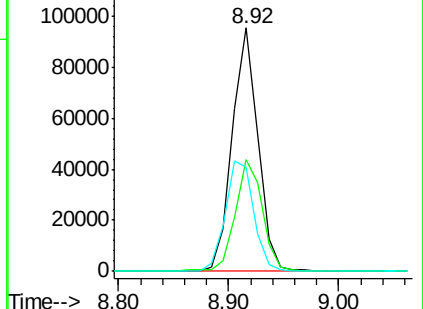
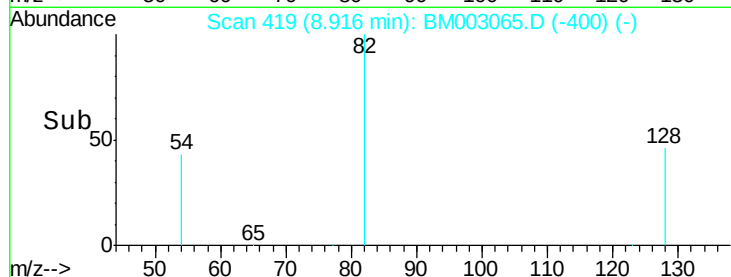


Abundance Ion 82.00 (81.70 to 82.70): BM003053.D (-415) (-)

Ion 128.00 (127.70 to 128.70): BM003053.D (-415) (-)

Ion 54.00 (53.70 to 54.70): BM003053.D (-415) (-)

Time--> 8.80 8.90 9.00



#10

Naphthalene

Concen: 0.17 ng

RT: 10.59 min Scan# 558

Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

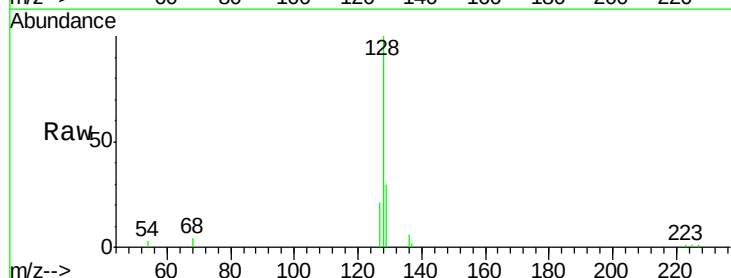
Tgt Ion: 128 Resp: 16042

Ion Ratio Lower Upper

128 100

129 30.4 8.5 12.7#

127 20.8 10.6 16.0#

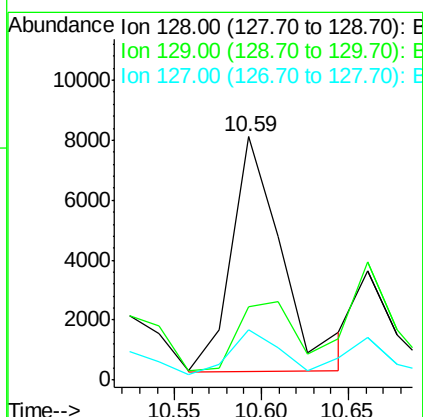
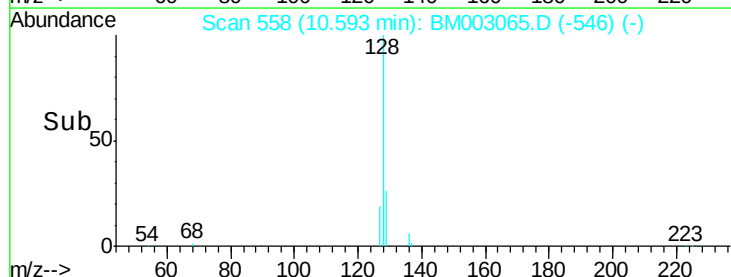


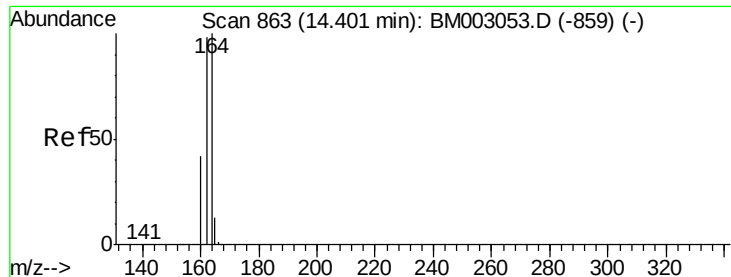
Abundance Ion 128.00 (127.70 to 128.70): BM003053.D (-552) (-)

Ion 129.00 (128.70 to 129.70): BM003053.D (-552) (-)

Ion 127.00 (126.70 to 127.70): BM003053.D (-552) (-)

Time--> 10.55 10.60 10.65





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM003065.D

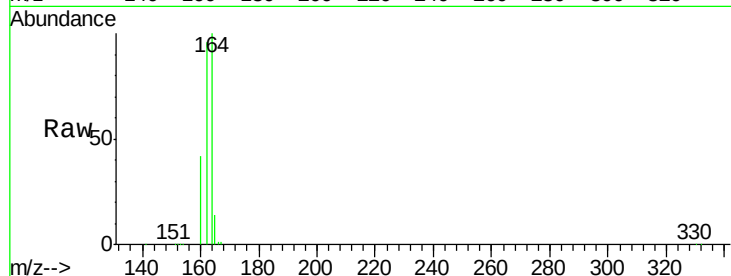
Acq: 05 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

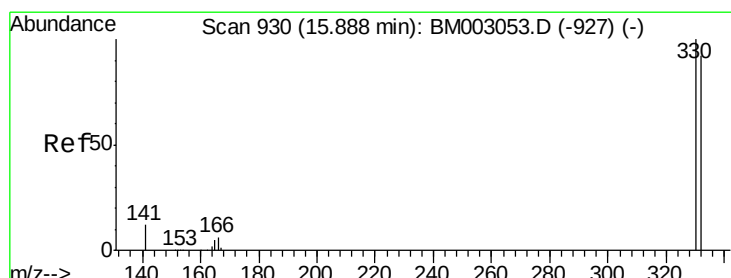
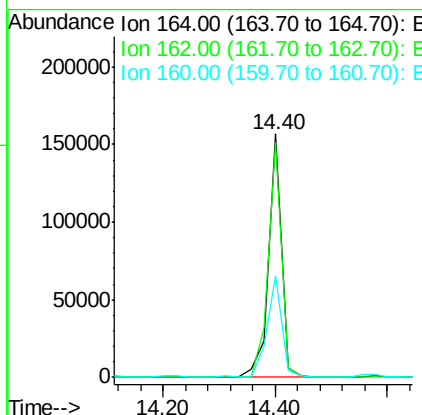
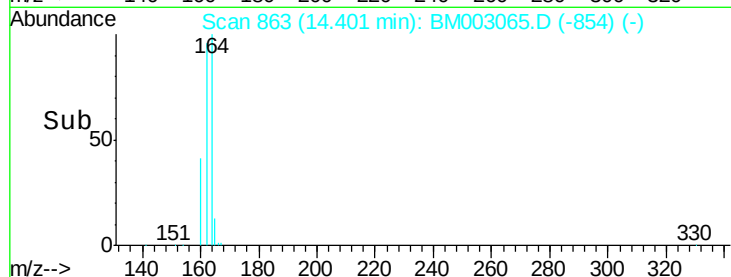
MW-01-110315



Tot Ion:	164	Resp:	256578
Ion Ratio	Lower	Upper	
164	100		
162	96.4	78.3	117.5
160	41.6	33.8	50.6

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM



#14

2,4,6-Tribromophenol

Concen: 24.32 ng

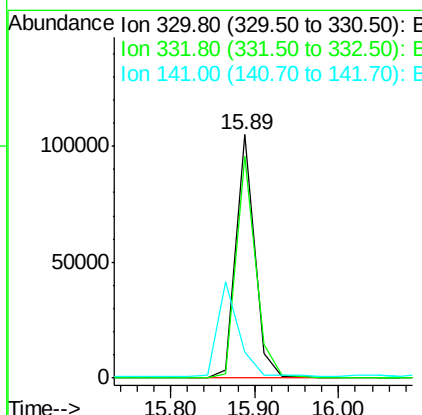
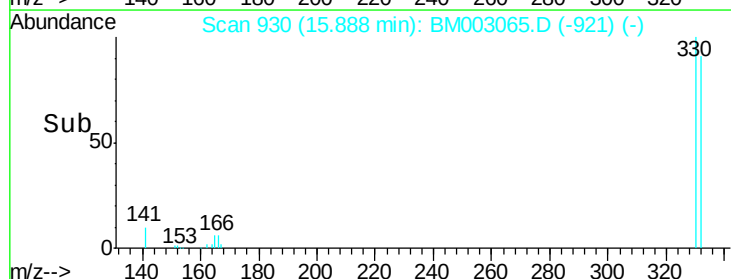
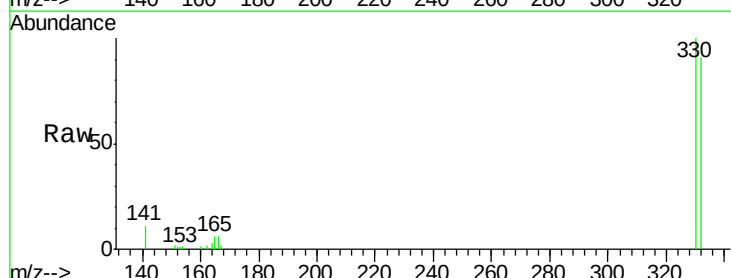
RT: 15.89 min Scan# 930

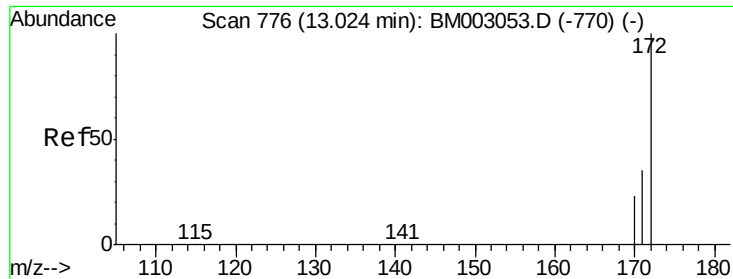
Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tgt Ion:	330	Resp:	161608
Ion Ratio	Lower	Upper	
330	100		
332	94.4	76.0	114.0
141	0.0	0.0	0.0





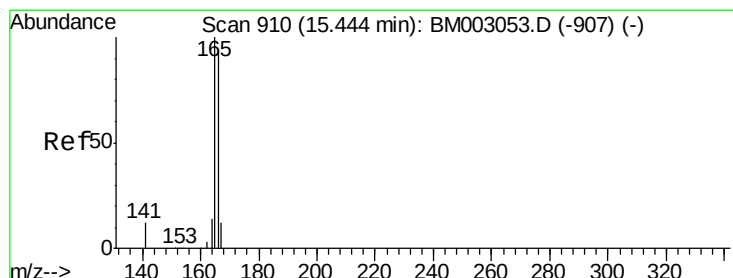
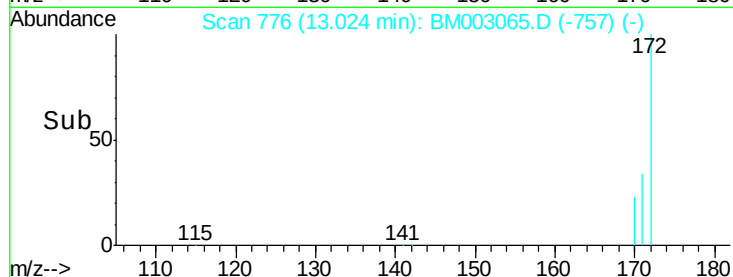
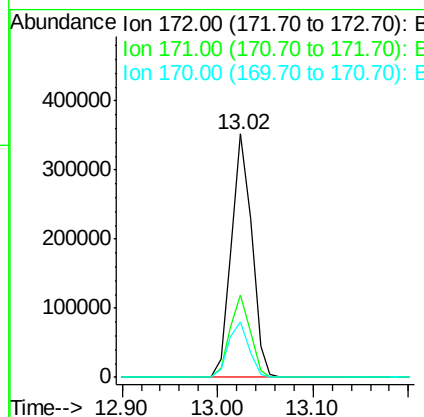
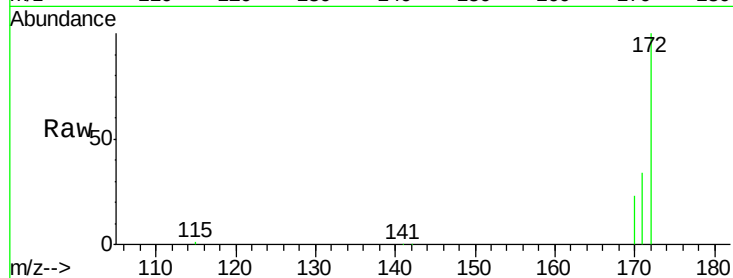
#15
2-Fluorobiphenyl
Concen: 6.46 ng
RT: 13.02 min Scan# 776
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.0	42.0
170	22.8	18.9	28.3

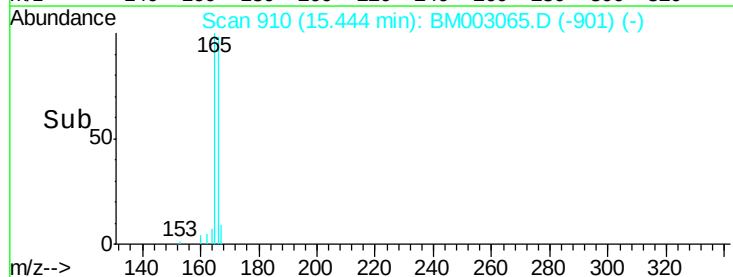
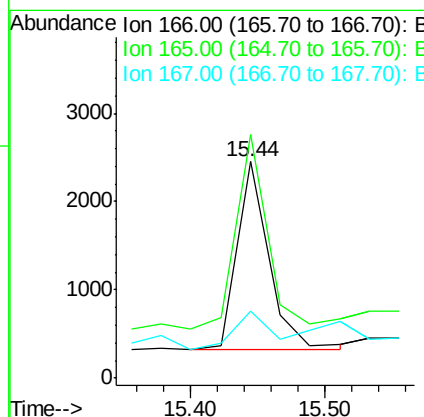
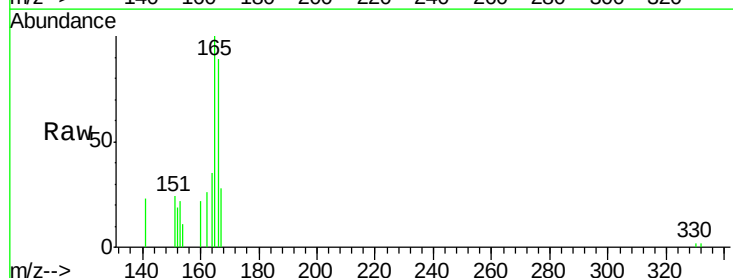
Manual Integrations
APPROVED

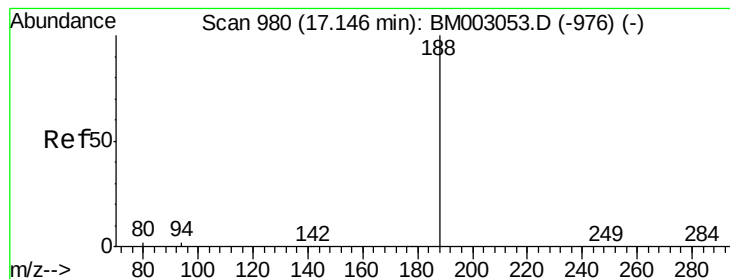
Mmdadoda
11/6/2015 3:46:06 PM



#18
Fluorene
Concen: 0.05 ng
RT: 15.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.8	121.2
167	30.8	10.5	15.7#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

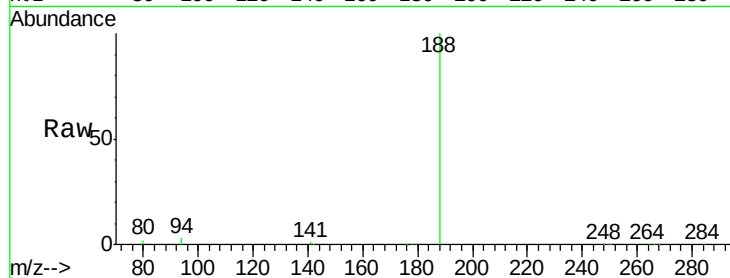
MW-01-110315

Tot Ion:188 Resp: 486440

Ion	Ratio	Lower	Upper
188	100		
94	2.8	1.8	2.6#
80	2.1	1.4	2.0#

Manual Integrations
APPROVED

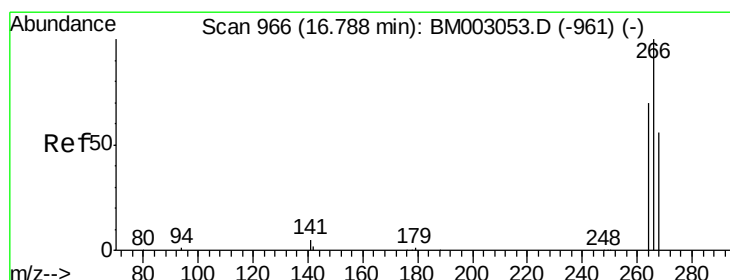
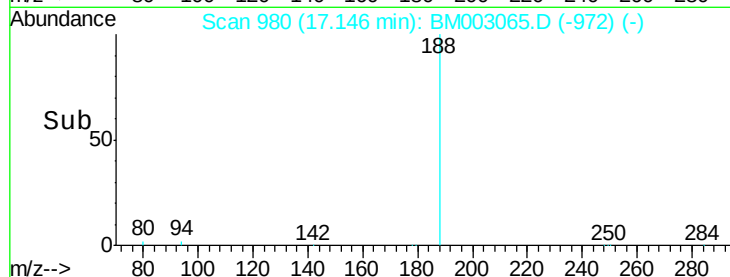
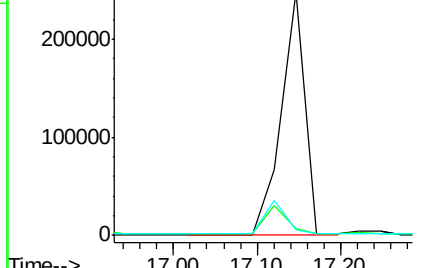
Mmdadoda
11/6/2015 3:46:06 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM003065.D (-972) (-)

Ion 80.00 (79.70 to 80.70): BM003065.D (-972) (-)



#22

Pentachlorophenol

Concen: 0.29 ng

RT: 16.79 min Scan# 966

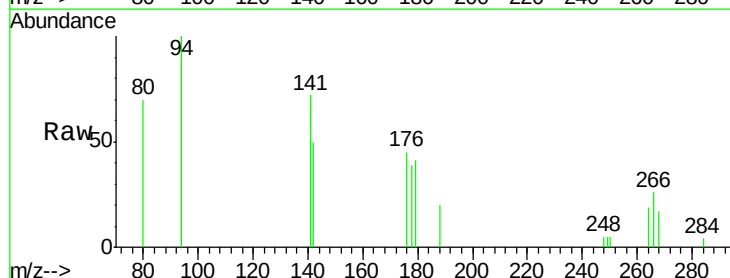
Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tgt Ion:266 Resp: 834

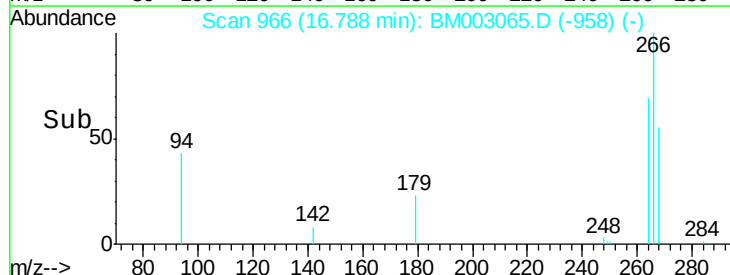
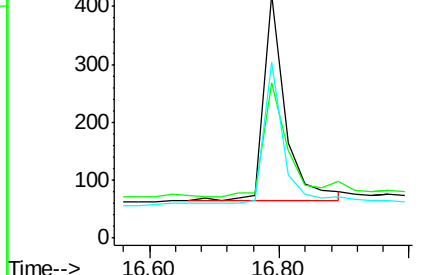
Ion	Ratio	Lower	Upper
266	100		
268	63.9	45.8	68.8
264	72.0	56.7	85.1

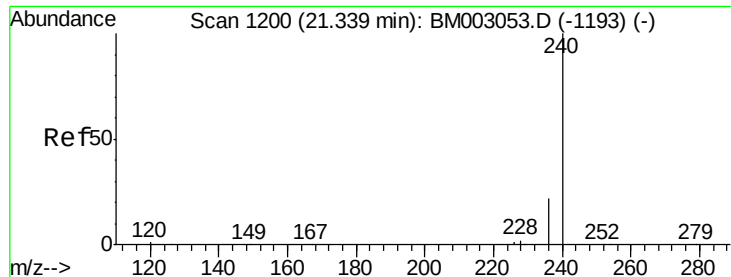


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





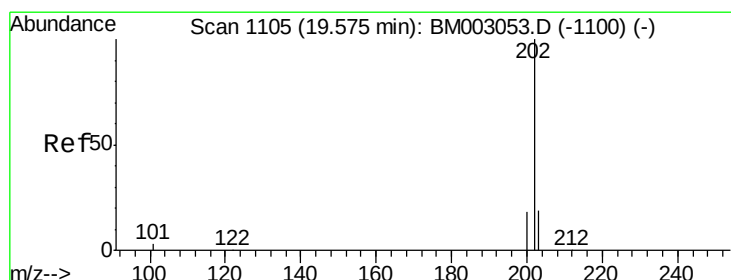
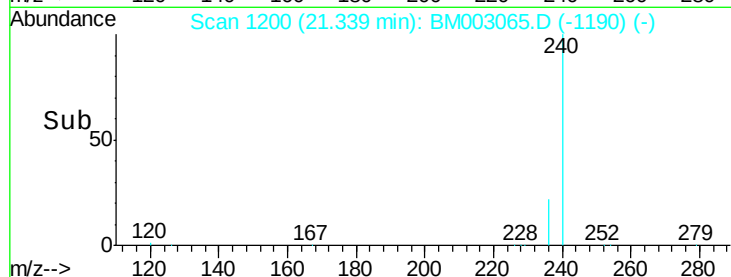
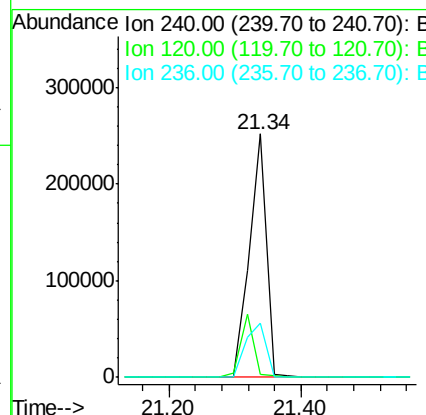
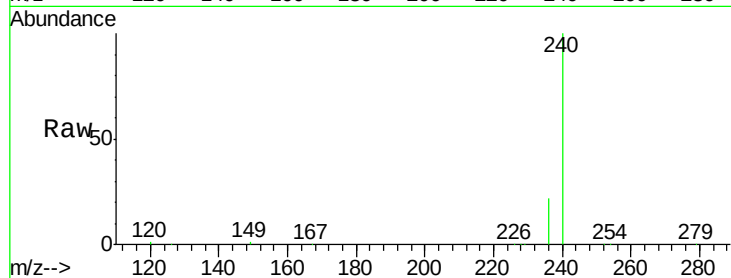
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
240	100		
120	1.4	1.0	1.4
236	22.4	17.9	26.9

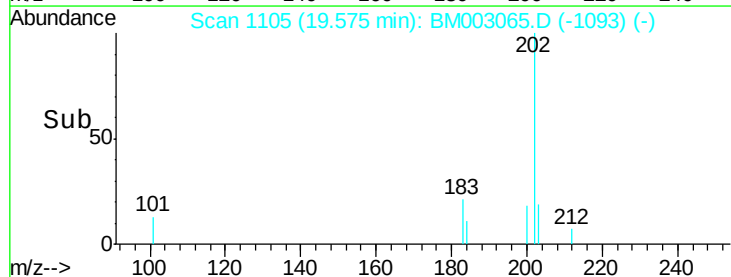
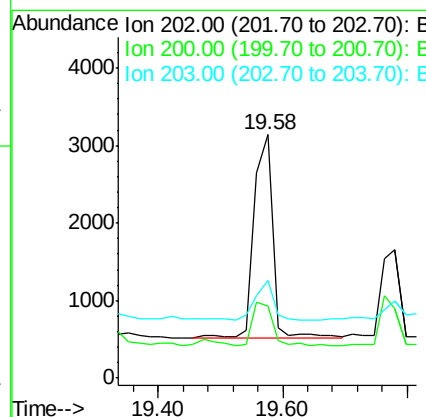
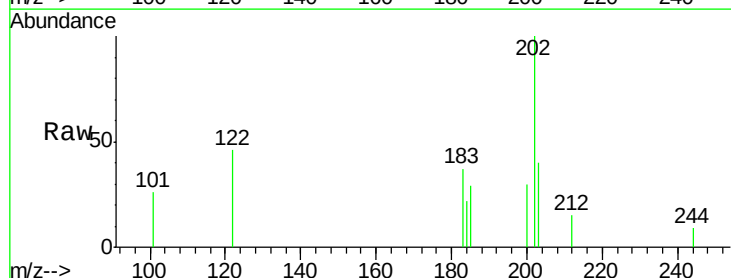
Manual Integrations
APPROVED

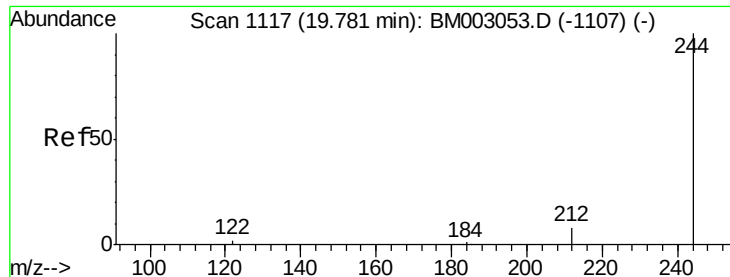
Mmdadoda
11/6/2015 3:46:06 PM



#28
Pyrene
Concen: 0.04 ng
RT: 19.58 min Scan# 1105
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	16.7	25.1
203	20.3	13.8	20.6





#29

Terphenyl-d14

Concen: 8.48 ng

RT: 19.78 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Instrument :

BNA_M

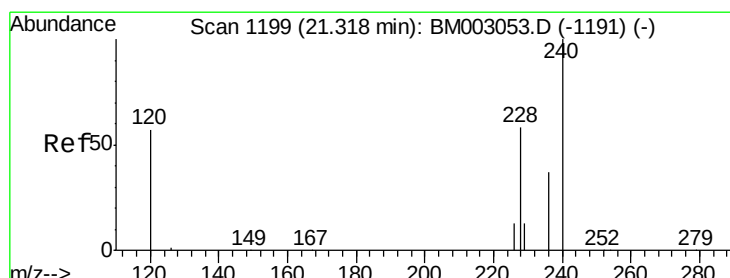
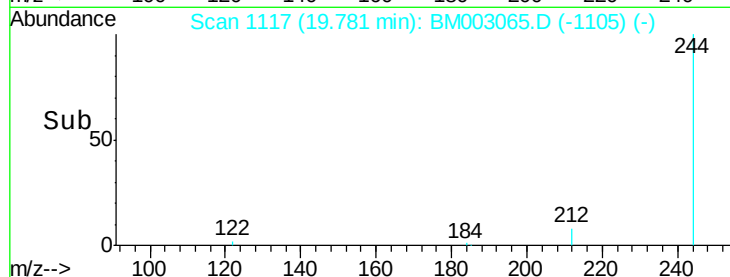
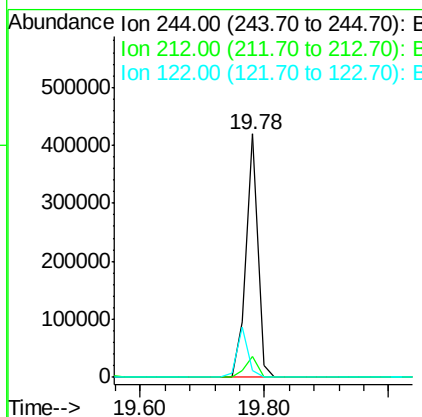
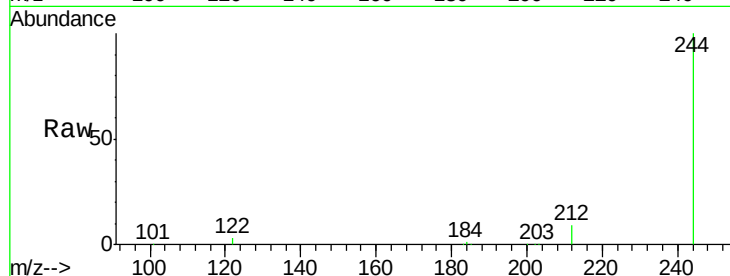
ClientSampleId :

MW-01-110315

Tot Ion:	244	Resp:	552152
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.5	9.7
122	2.7	2.0	3.0

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM



#30

Benzo(a)anthracene

Concen: 0.11 ng

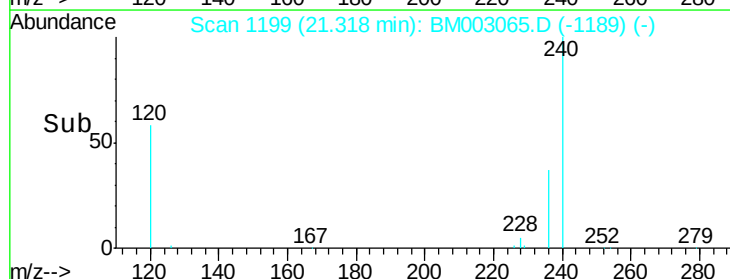
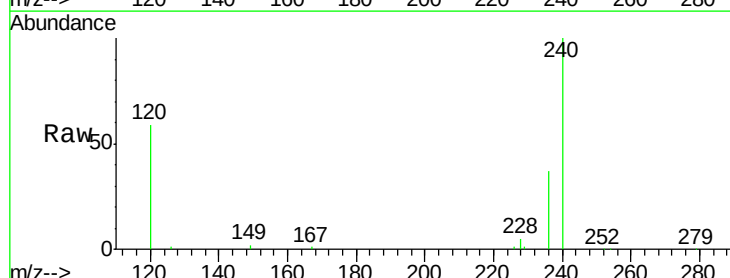
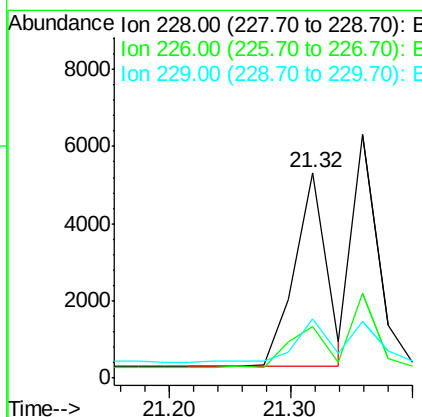
RT: 21.32 min Scan# 1199

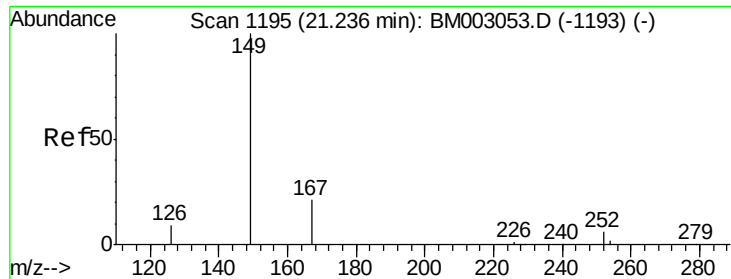
Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tgt Ion:	228	Resp:	9192
Ion Ratio	Lower	Upper	
228	100		
226	24.9	17.8	26.6
229	28.9	18.0	27.0#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 21.24 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM003065.D

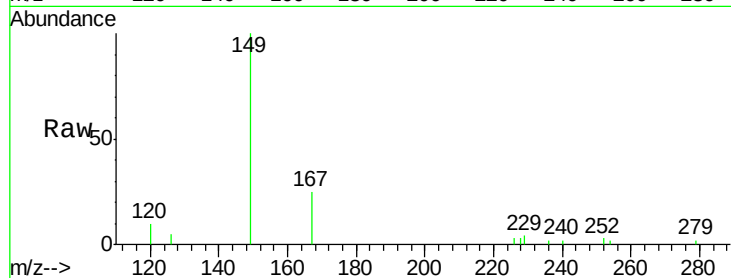
Acq: 05 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

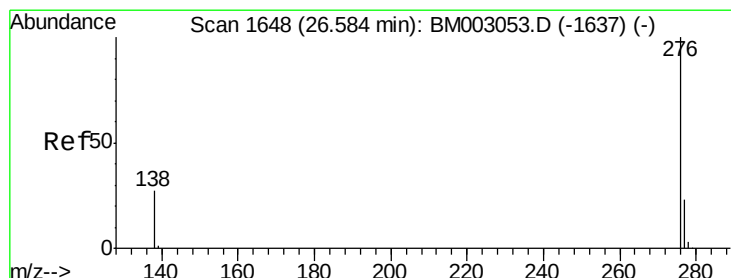
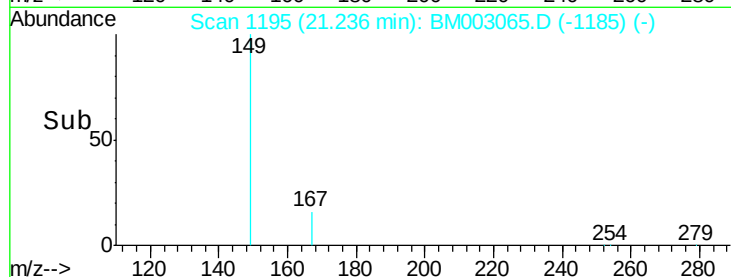
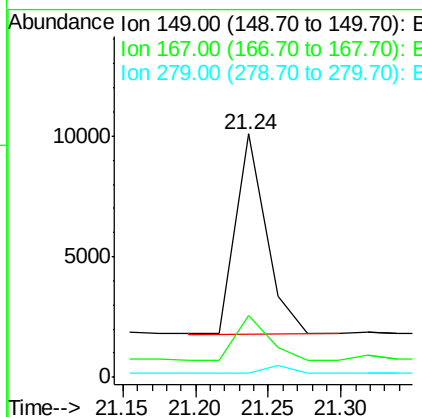
MW-01-110315



Tot Ion:	149	Resp:	12200
Ion Ratio	Lower	Upper	
149	100		
167	23.9	19.6	29.4
279	0.0	0.0	0.0

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng

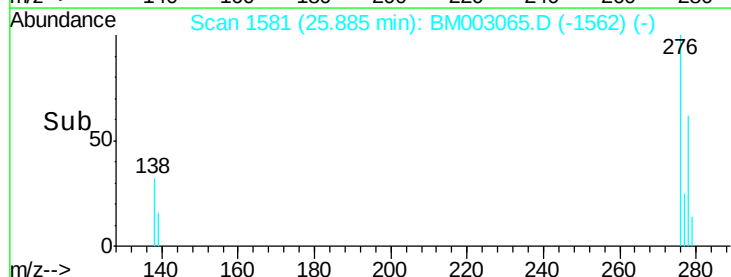
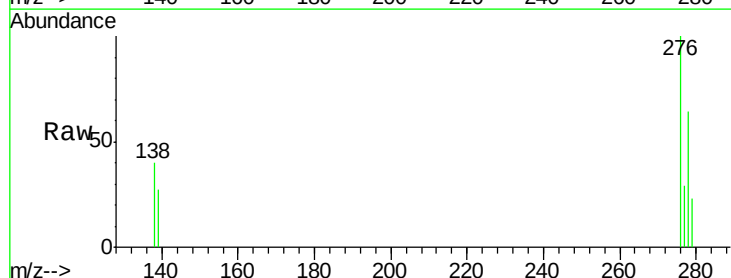
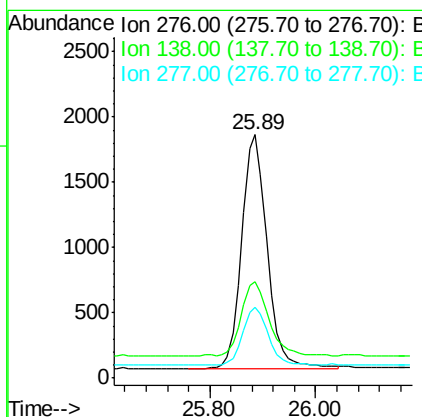
RT: 25.89 min Scan# 1581

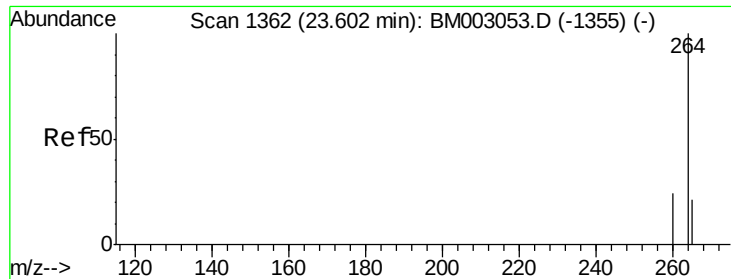
Delta R.T. 0.00 min

Lab File: BM003065.D

Acq: 05 Nov 2015 15:44

Tgt Ion:	276	Resp:	5946
Ion Ratio	Lower	Upper	
276	100		
138	35.2	19.1	28.7#
277	25.4	15.9	23.9#





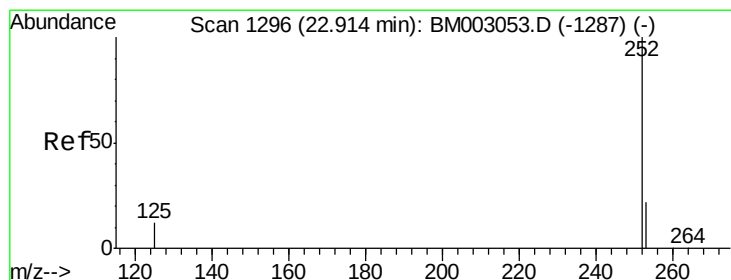
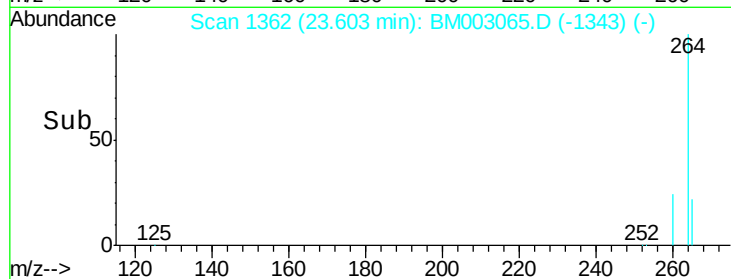
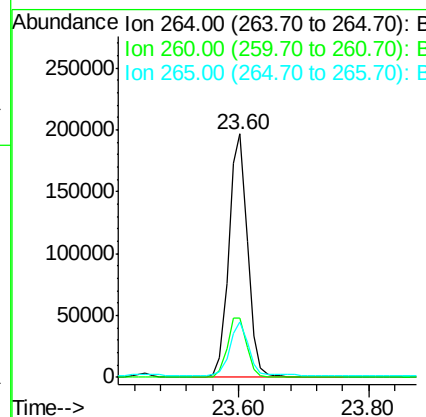
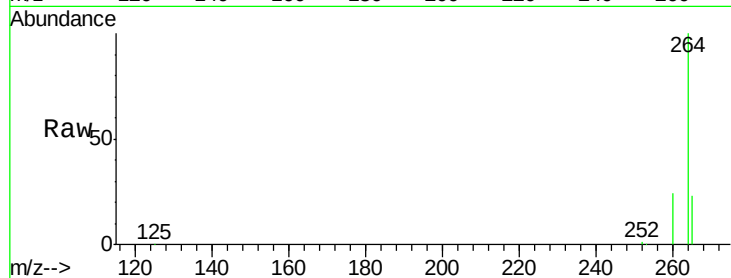
#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.60 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	22.9	18.4	27.6

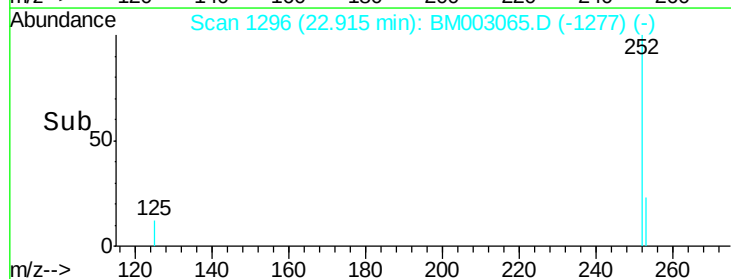
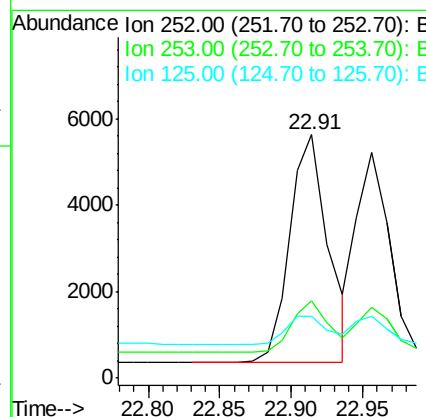
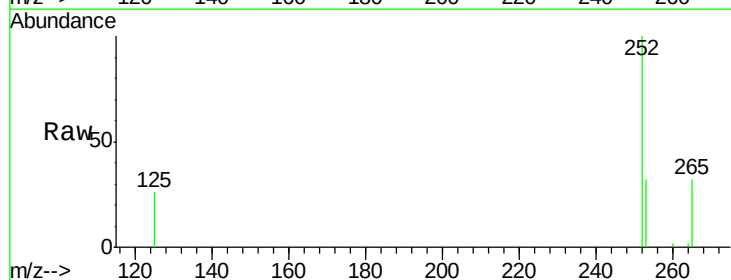
Manual Integrations
APPROVED

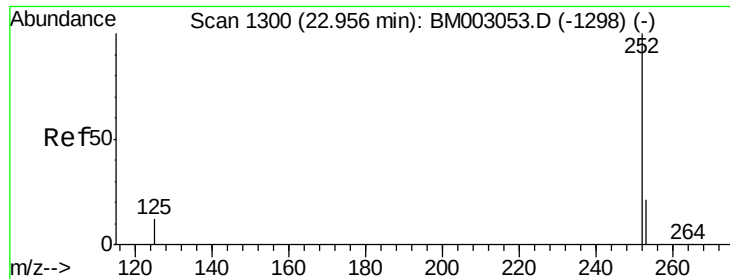
Mmdadoda
11/6/2015 3:46:06 PM



#36
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.9	18.2	27.4#
125	25.6	10.3	15.5#





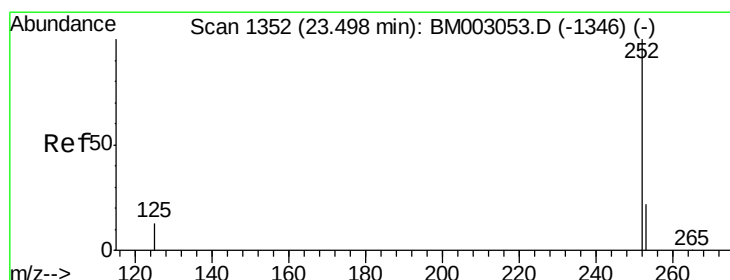
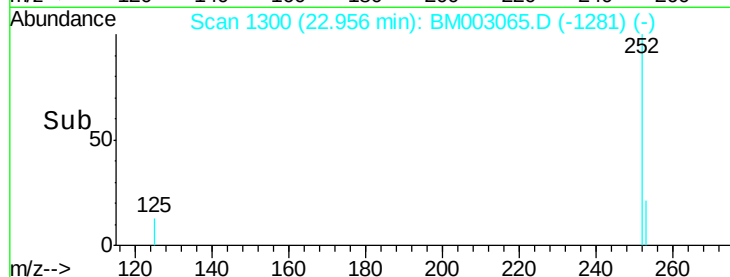
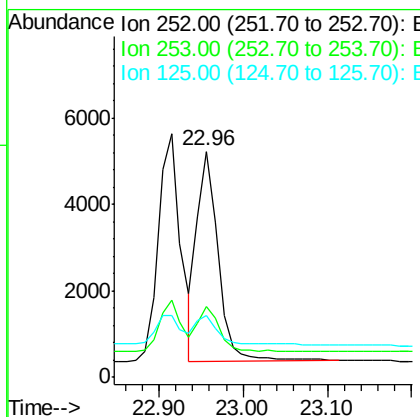
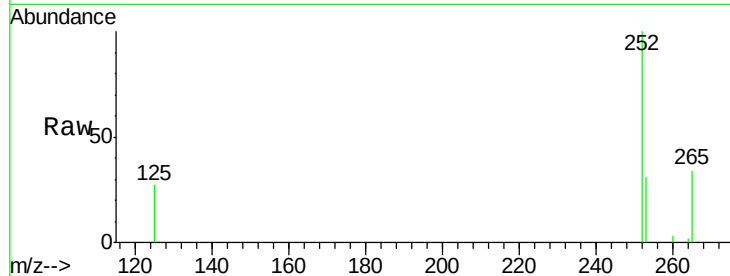
#37
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.5	26.3#
125	27.3	10.7	16.1#

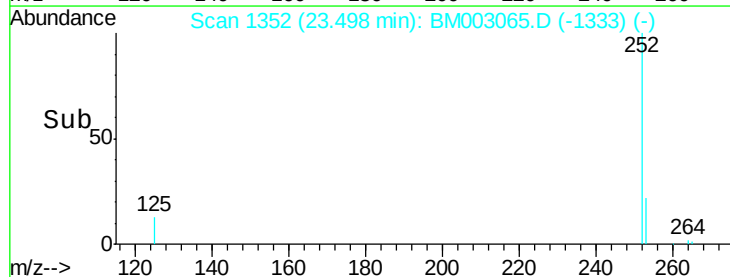
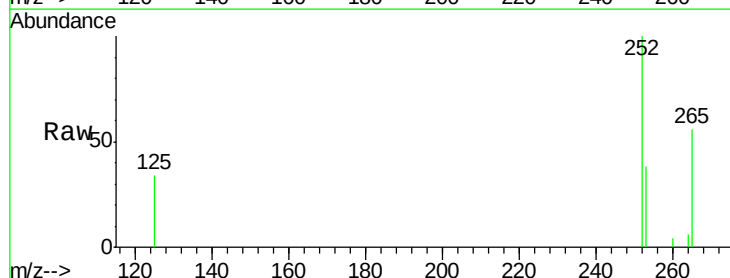
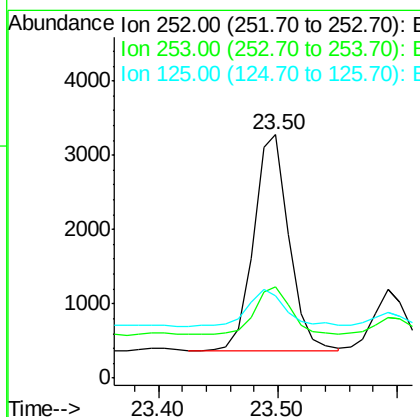
Manual Integrations
APPROVED

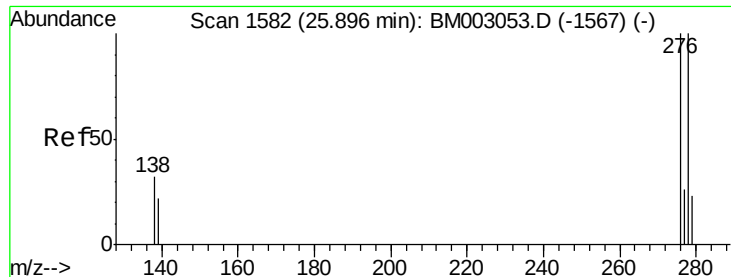
Mmdadoda
11/6/2015 3:46:06 PM



#38
Benzo(a)pyrene
Concen: 0.06 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.7	18.7	28.1#
125	33.9	11.6	17.4#





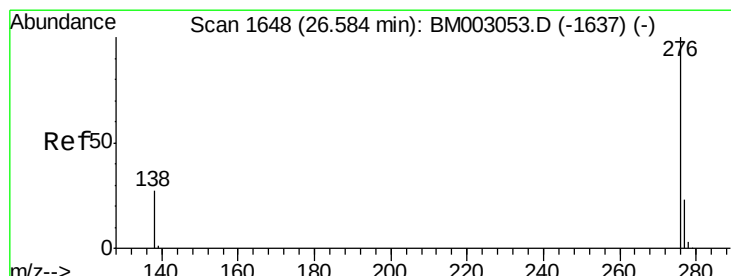
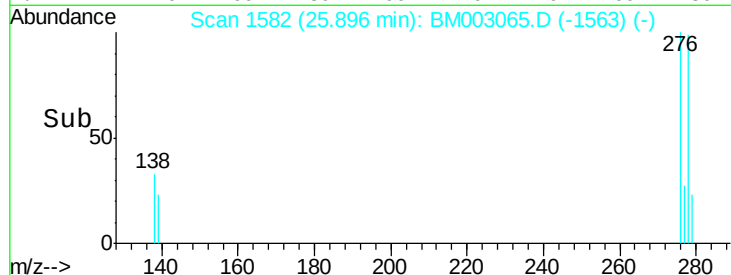
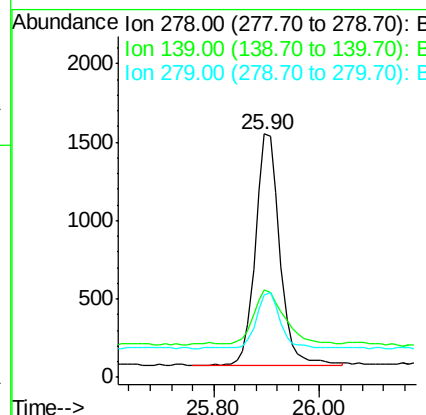
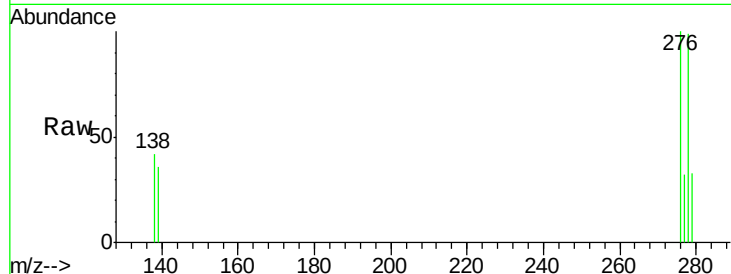
#39
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
MW-01-110315

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.8	18.2	27.4#
279	33.6	18.8	28.2#

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:46:06 PM



#40
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 26.58 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BM003065.D
Acq: 05 Nov 2015 15:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.0	28.6
138	36.4	22.3	33.5#

