

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100115\
 Data File : BM002826.D
 Acq On : 02 Oct 2015 04:40
 Operator : UM/IZ
 Sample : G3798-25MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 D9G67MS

Manual Integrations
 APPROVED

MMDadoda
 10/2/2015 6:08:11 PM

Quant Time: Oct 02 08:50:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 05:57:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	77172	20.00	ng/ul	0.00
18) Naphthalene-d8	11.55	136	331647	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.28	164	166520	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	337334	20.00	ng/ul	0.00
78) Chrysene-d12	22.08	240	337907	20.00	ng/ul	0.00
86) Perylene-d12	24.67	264	349186	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.76	96	4126	2.48	ng/uL	0.00
5) Phenol-d5	7.81	99	81096	13.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.97	67	44269	13.46	ng/ul	0.00
9) 2-Chlorophenol-d4	8.20	132	74211	13.63	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	65958	13.68	ng/ul	0.00
19) Nitrobenzene-d5	9.88	128	33485	13.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.61	143	34022	12.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	60267	12.92	ng/ul	0.00
29) 4-Chloroaniline-d4	11.67	131	62733	11.17	ng/ul	0.00
44) Dimethylphthalate-d6	14.66	166	175965	14.05	ng/ul	0.00
47) Acenaphthylene-d8	14.99	160	226642	13.56	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	20377	9.16	ng/ul	0.00
58) Fluorene-d10	16.26	176	150580	13.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.38	200	6633	4.03	ng/ul	0.00
71) Anthracene-d10	18.09	188	219643	13.64	ng/ul	0.00
79) Pyrene-d10	20.33	212	223787	14.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.50	264	253707	14.20	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.83	94	77379	12.80	ng/ul	99
10) 2-Chlorophenol	8.24	128	67931	12.30	ng/ul	98
15) N-Nitroso-di-n-propylamine	9.49	70	39823	11.68	ng/ul	96
33) 4-Chloro-3-methylphenol	12.77	107	57674	12.26	ng/ul	98
45) Dimethylphthalate	14.71	163	144891	11.38	ng/ul	100
48) Acenaphthylene	15.02	152	20790	1.18	ng/ul	98
50) Acenaphthene	15.34	153	161046	13.83	ng/ul	99
53) 4-Nitrophenol	15.47	109	11277	8.95	ng/ul	98
54) Dibenzofuran	15.67	168	36776	2.33	ng/ul	100
55) 2,4-Dinitrotoluene	15.63	165	40789	11.08	ng/ul	97
59) Fluorene	16.31	166	53709	4.15	ng/ul	99
69) Pentachlorophenol	17.64	266	9502m	6.23	ng/ul	
70) Phenanthrene	18.04	178	1343867	68.87	ng/ul	99
72) Anthracene	18.13	178	206230	10.38	ng/ul	98
75) Carbazole	18.39	167	160553	9.26	ng/ul	99
77) Fluoranthene	20.00	202	2644244	131.24	ng/ul	100
80) Pyrene	20.36	202	2330460	108.58	ng/ul	97
81) Butylbenzylphthalate	21.16	149	9796	1.01	ng/ul	95
83) Benzo(a)anthracene	22.07	228	989246	49.25	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.90	149	43903	3.03	ng/ul#	99
85) Chrysene	22.12	228	1111593	58.67	ng/ul	96
88) Benzo(b)fluoranthene	23.88	252	1475918	70.36	ng/ul	99
89) Benzo(k)fluoranthene	23.92	252	495700m	24.96	ng/ul	

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100115\
Data File : BM002826.D
Acq On : 02 Oct 2015 04:40
Operator : UM/IZ
Sample : G3798-25MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9G67MS

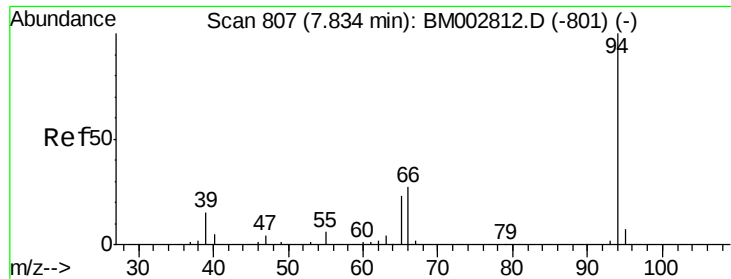
Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM

Quant Time: Oct 02 08:50:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 02 05:57:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.56	252	961760	47.73	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	27.40	276	738846	31.43	ng/ul#	91
93) Dibenzo(a,h)anthracene	27.38	278	178501	8.99	ng/ul#	88
94) Benzo(g,h,i)perylene	28.24	276	673274	34.02	ng/ul	98

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



#6

Phenol

Concen: 12.80 ng/ul

RT: 7.83 min Scan# 807

Delta R.T. 0.00 min

Lab File: BM002826.D

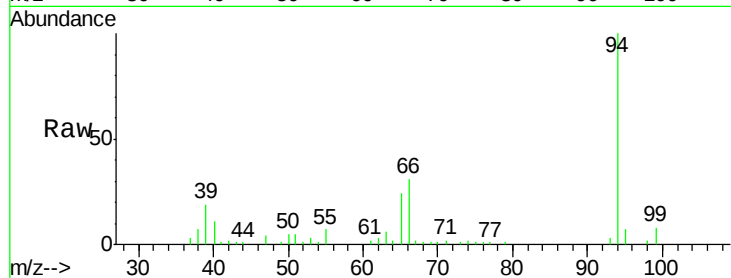
Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

D9G67MS



Tgt Ion: 94 Resp: 77379

Ion Ratio Lower Upper

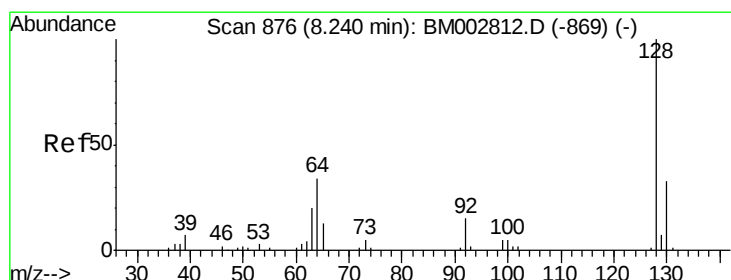
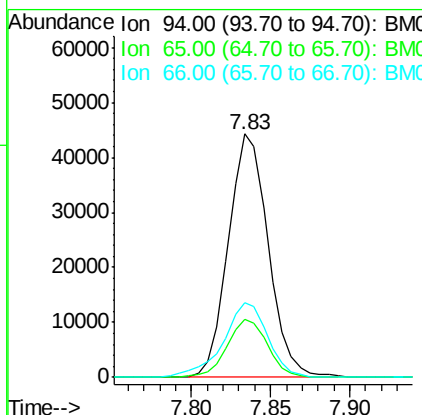
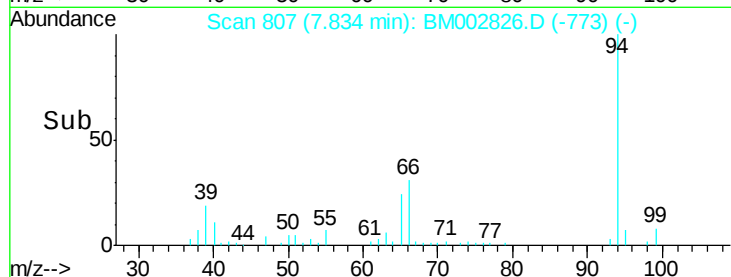
94 100

65 23.7 19.4 29.2

66 30.9 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM



#10

2-Chlorophenol

Concen: 12.30 ng/ul

RT: 8.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

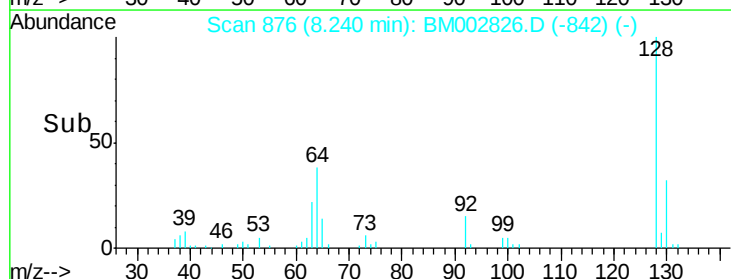
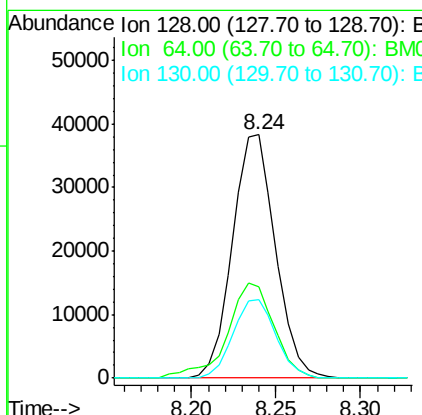
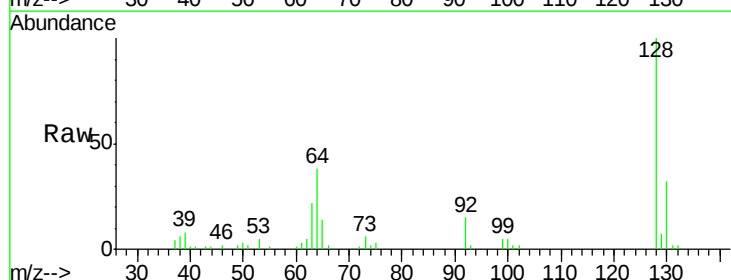
Tgt Ion: 128 Resp: 67931

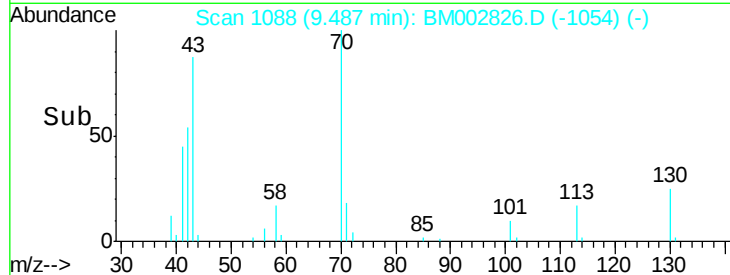
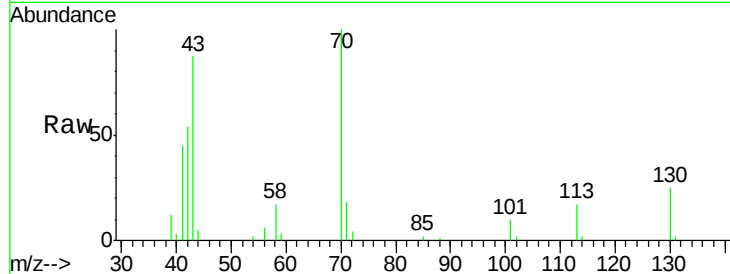
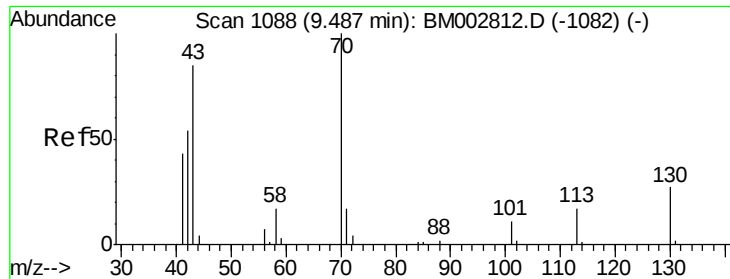
Ion Ratio Lower Upper

128 100

64 37.6 32.1 48.1

130 32.3 25.8 38.6





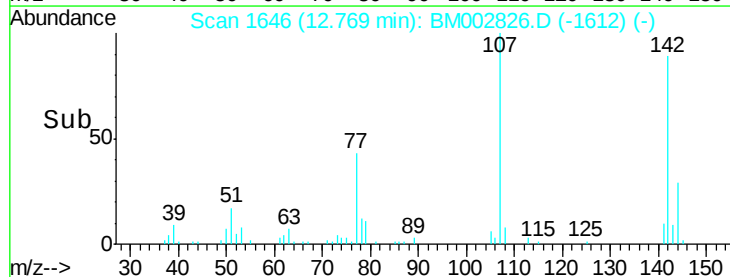
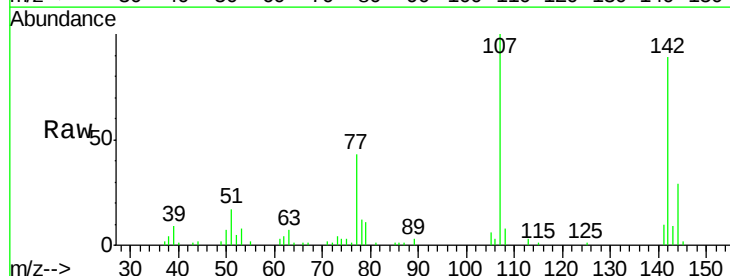
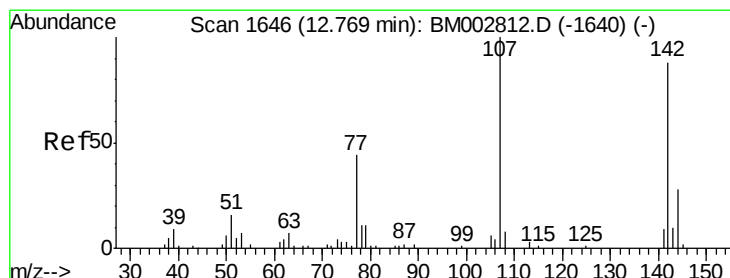
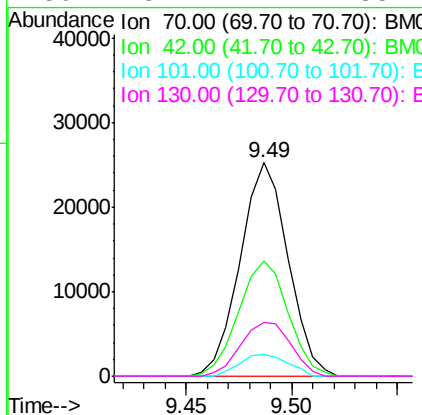
#15
N-Nitroso-di-n-propylamine
Concen: 11.68 ng/ul
RT: 9.49 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Manual Integrations
APPROVED

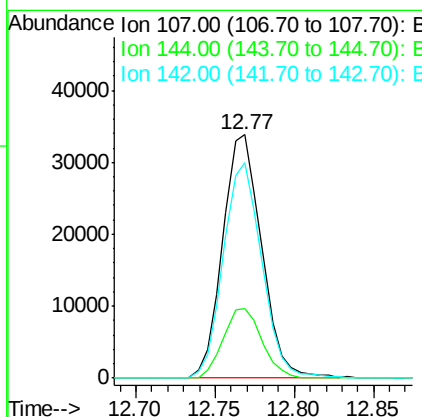
MMDadoda
10/2/2015 6:08:11 PM

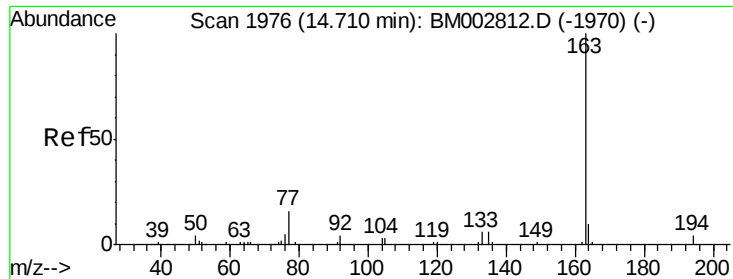
Tgt Ion	Ratio	Lower	Upper
70	100		
42	54.1	45.2	67.8
101	10.0	9.1	13.7
130	25.1	22.2	33.2



#33
4-Chloro-3-methylphenol
Concen: 12.26 ng/ul
RT: 12.77 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.7	21.9	32.9
142	88.6	69.8	104.8





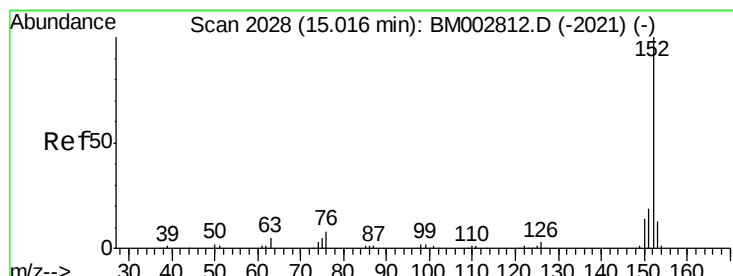
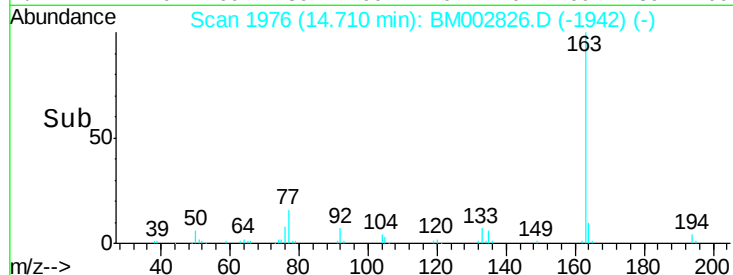
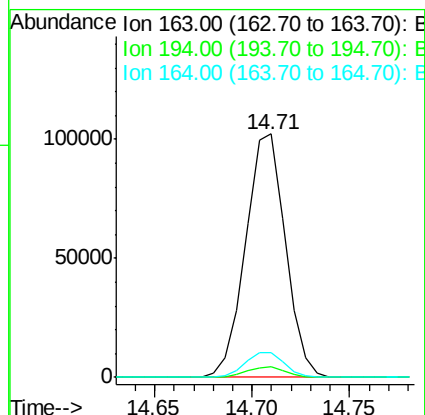
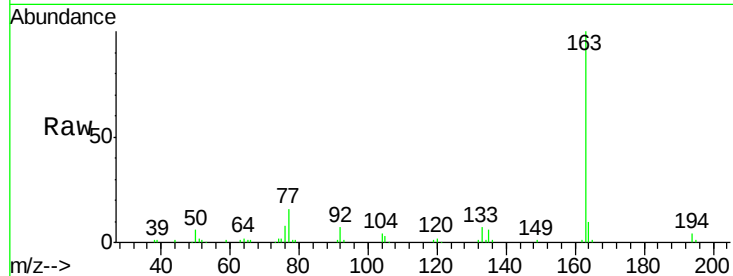
#45
Dimethylphthalate
Concen: 11.38 ng/ul
RT: 14.71 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	144891		
194	4.4	3.2	4.8	
164	10.1	8.1	12.1	

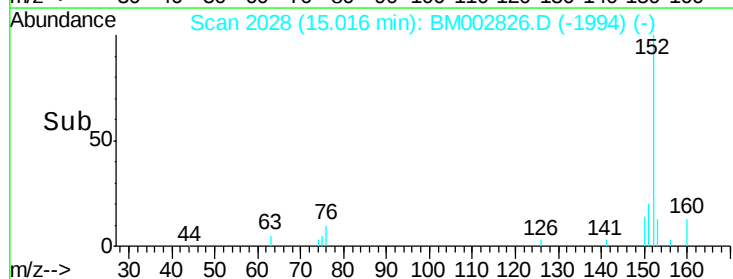
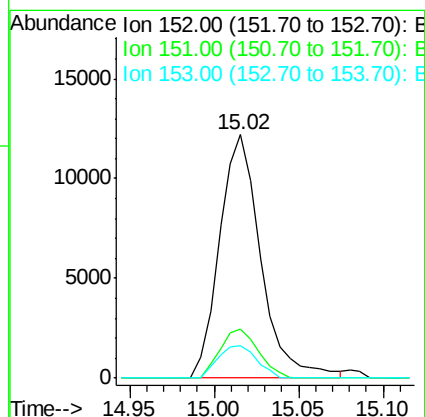
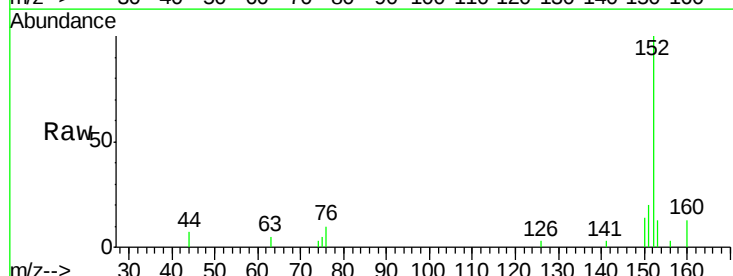
Manual Integrations
APPROVED

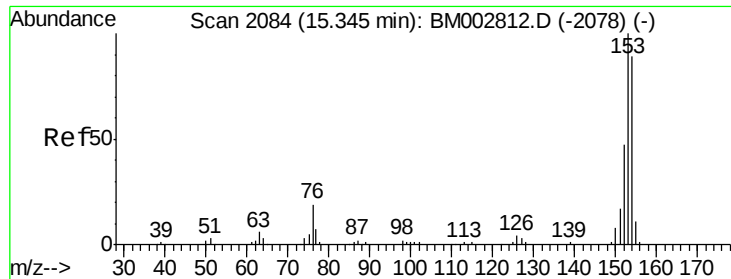
MMDadoda
10/2/2015 6:08:11 PM



#48
Acenaphthylene
Concen: 1.18 ng/ul
RT: 15.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	20790		
151	20.4	15.6	23.4	
153	13.4	10.4	15.6	





#50

Acenaphthene

Concen: 13.83 ng/ul

RT: 15.34 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BM002826.D

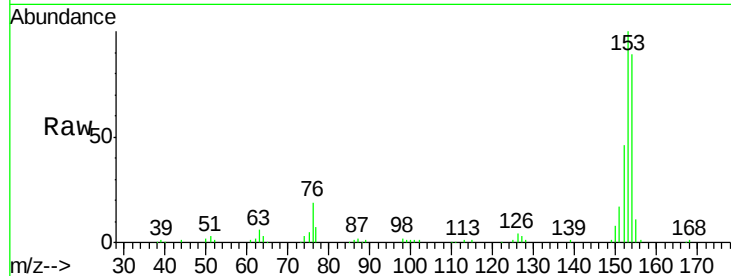
Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

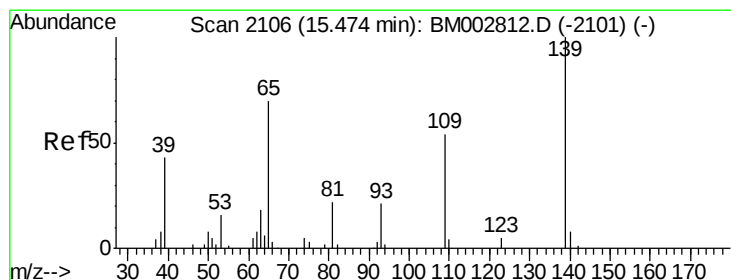
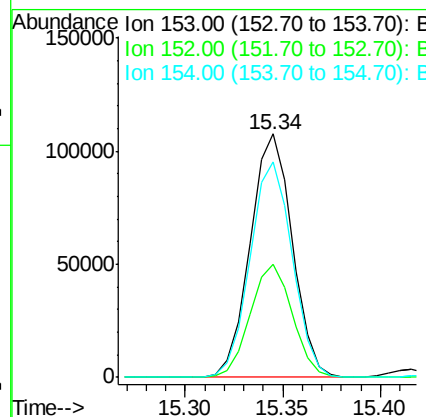
D9G67MS



Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.2	55.8
154	88.5	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM



#53

4-Nitrophenol

Concen: 8.95 ng/ul

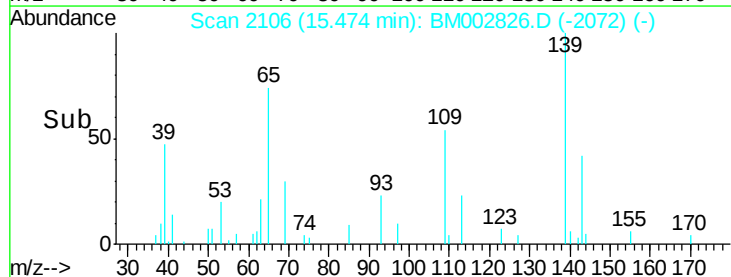
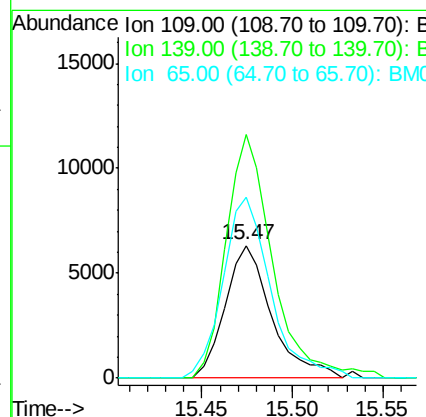
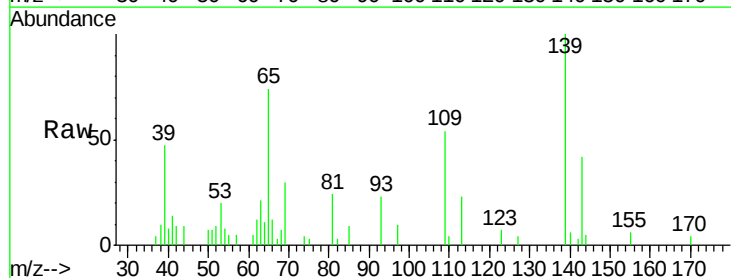
RT: 15.47 min Scan# 2106

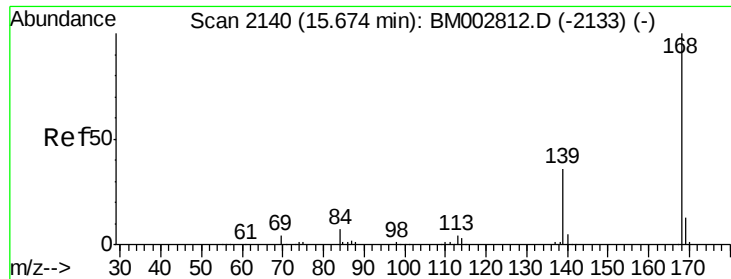
Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
109	100		
139	183.6	143.4	215.2
65	136.5	110.3	165.5





#54

Dibenzenofuran

Concen: 2.33 ng/ul

RT: 15.67 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

D9G67MS

Tgt Ion:168 Resp: 36776

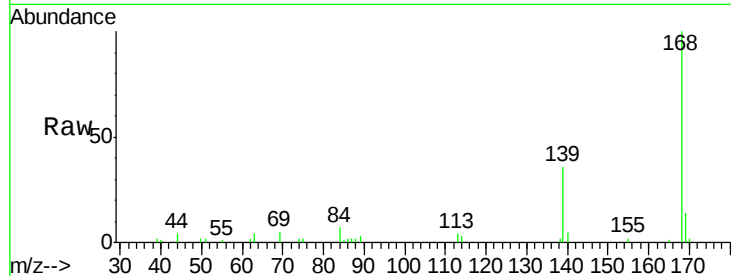
Ion Ratio Lower Upper

168 100

139 35.7 28.7 43.1

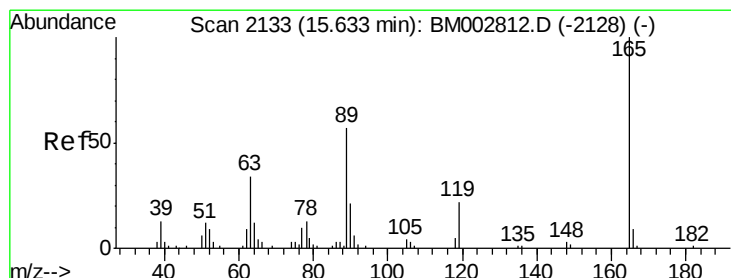
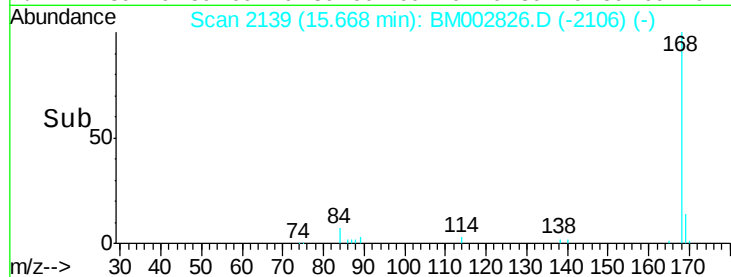
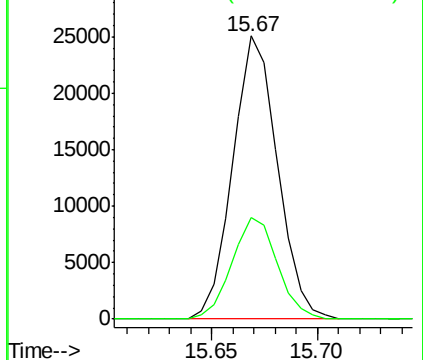
Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 11.08 ng/ul

RT: 15.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

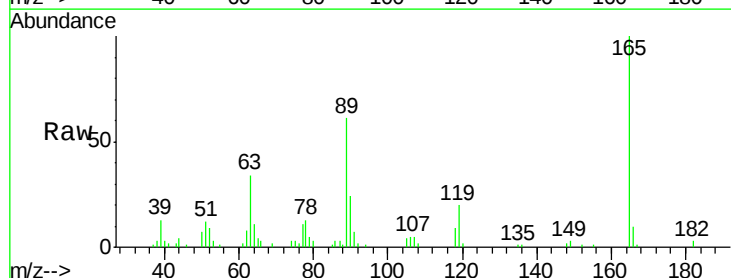
Tgt Ion:165 Resp: 40789

Ion Ratio Lower Upper

165 100

63 33.8 25.4 38.2

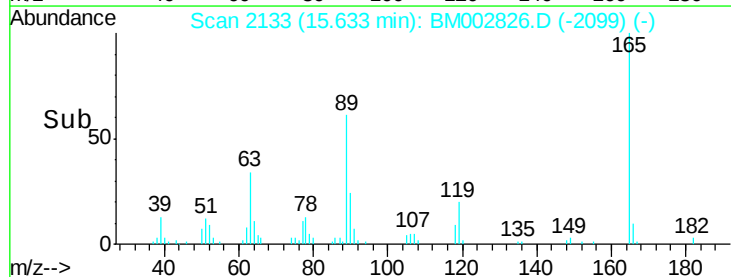
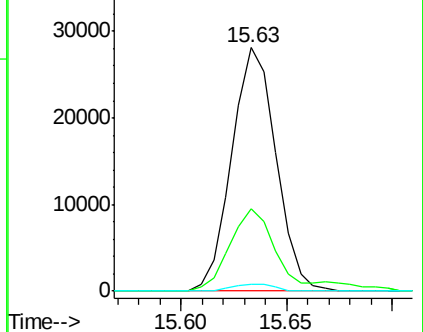
182 2.7 2.6 3.8

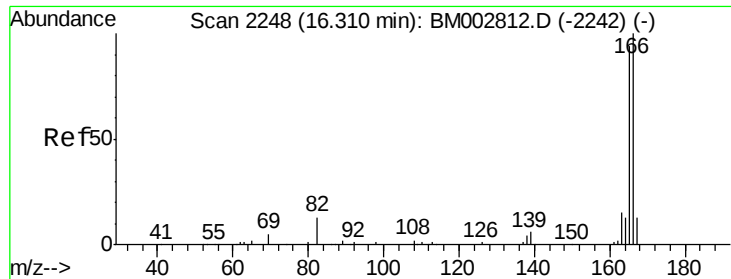


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM002826.D (-2099) (-)

Ion 182.00 (181.70 to 182.70): E





#59

Fluorene

Concen: 4.15 ng/ul

RT: 16.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

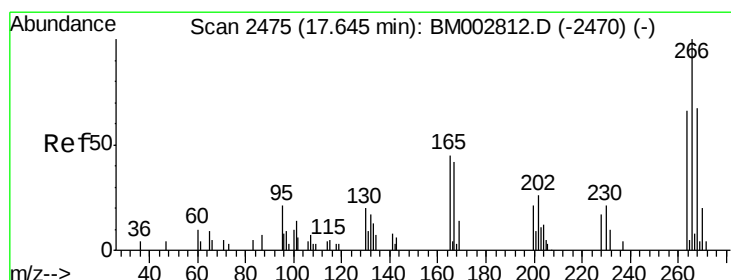
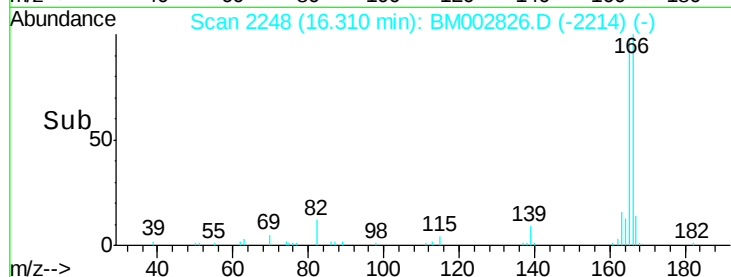
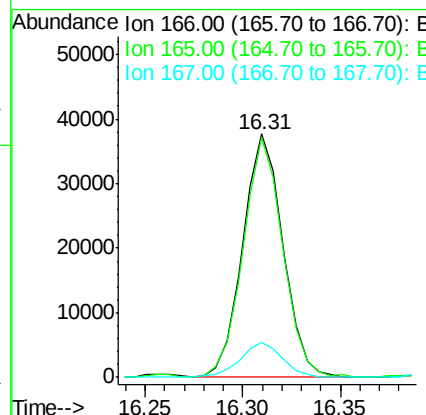
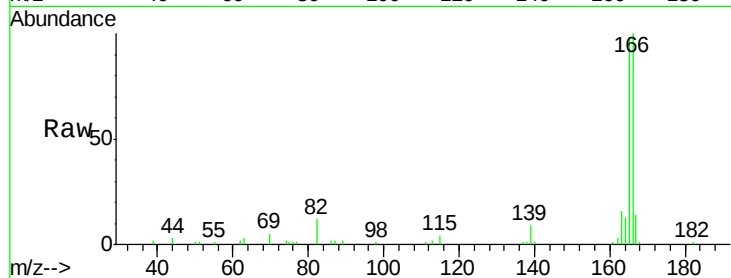
ClientSampleId :

D9G67MS

Tgt Ion:	166	Resp:	53709
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.0	117.0
167	14.4	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM



#69

Pentachlorophenol

Concen: 6.23 ng/ul m

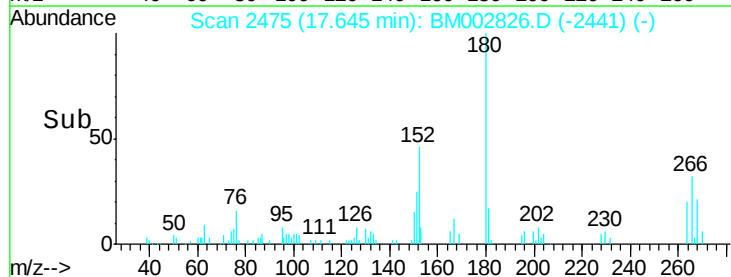
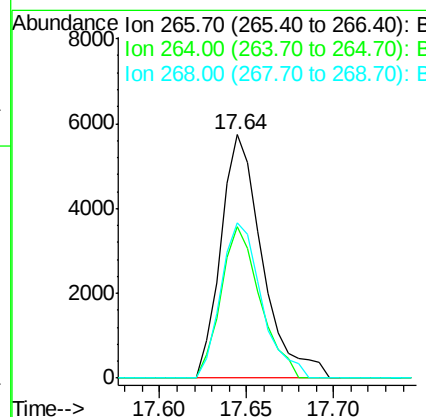
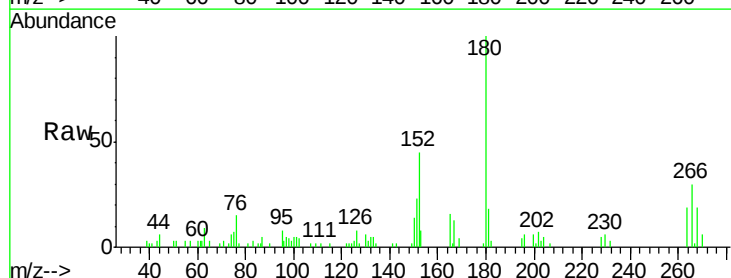
RT: 17.64 min Scan# 2475

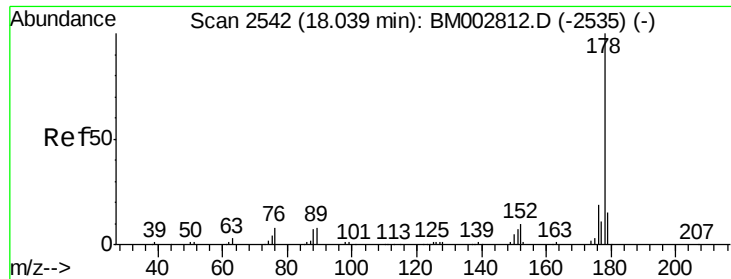
Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Tgt Ion:	266	Resp:	9502
Ion Ratio	Lower	Upper	
266	100		
264	62.3	49.4	74.2
268	63.7	49.1	73.7





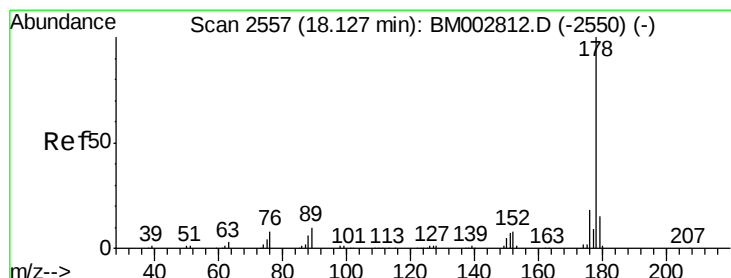
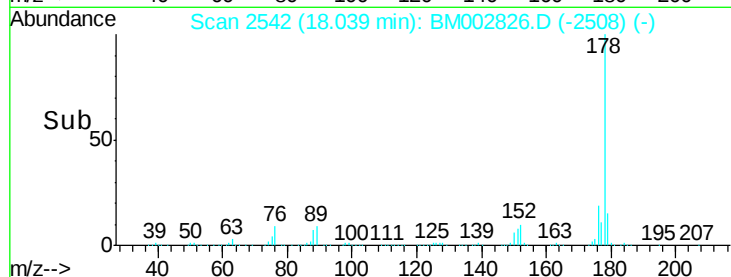
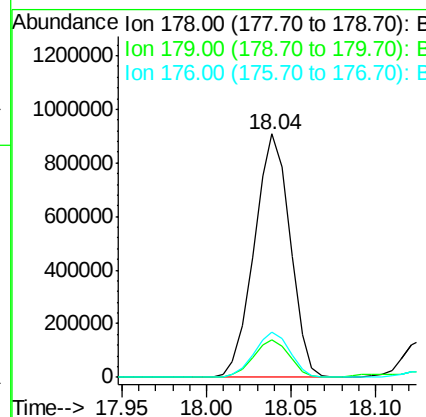
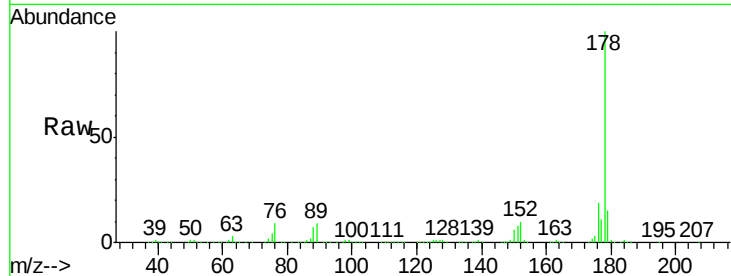
#70
Phenanthrene
Concen: 68.87 ng/ul
RT: 18.04 min Scan# 2542
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.6	14.6	22.0

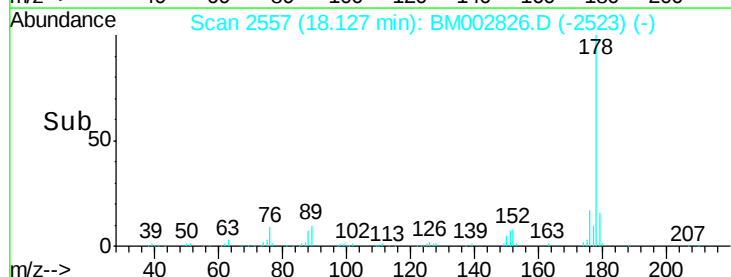
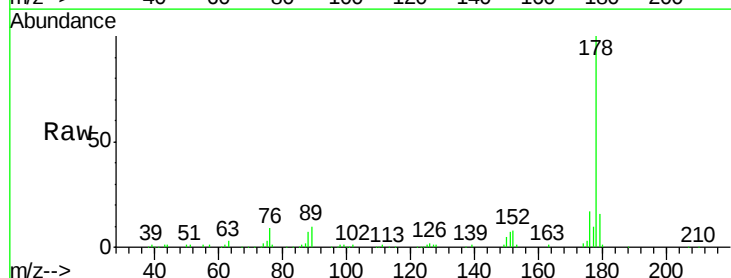
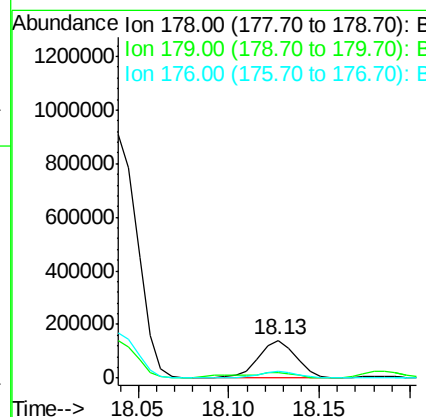
Manual Integrations
APPROVED

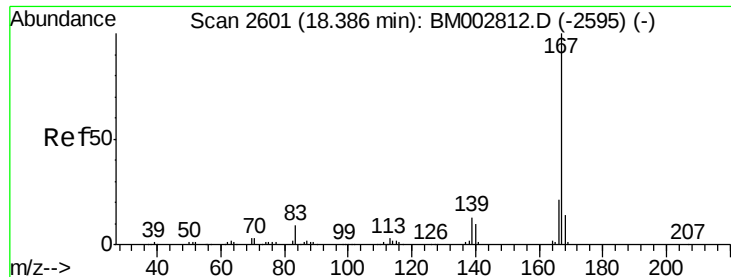
MMDadoda
10/2/2015 6:08:11 PM



#72
Anthracene
Concen: 10.38 ng/ul
RT: 18.13 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	17.4	14.4	21.6





#75

Carbazole

Concen: 9.26 ng/ul

RT: 18.39 min Scan# 2601

Delta R.T. 0.00 min

Lab File: BM002826.D

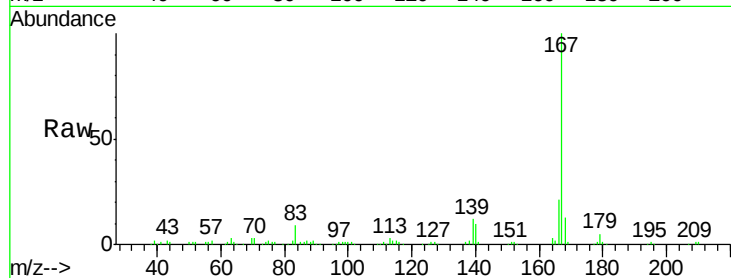
Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

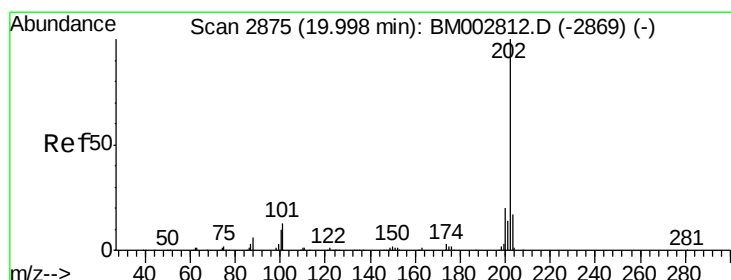
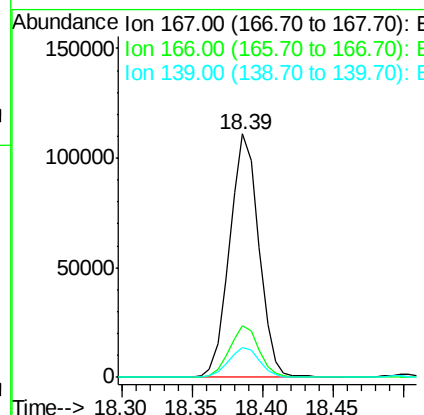
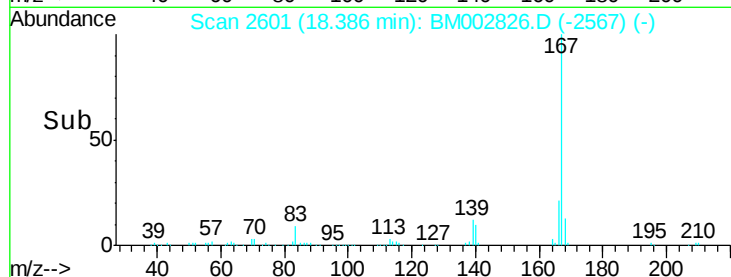
D9G67MS



Tgt Ion:	167	Resp:	160553
Ion Ratio	Lower	Upper	
167	100		
166	21.3	16.8	25.2
139	12.4	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM



#77

Fluoranthene

Concen: 131.24 ng/ul

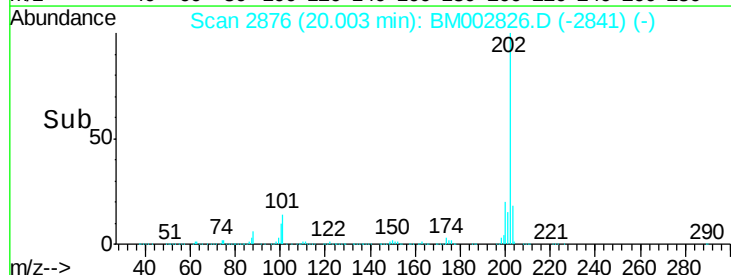
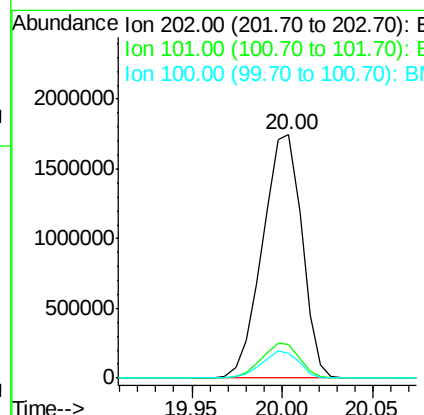
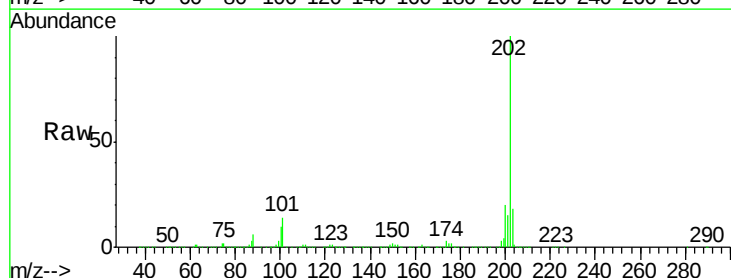
RT: 20.00 min Scan# 2876

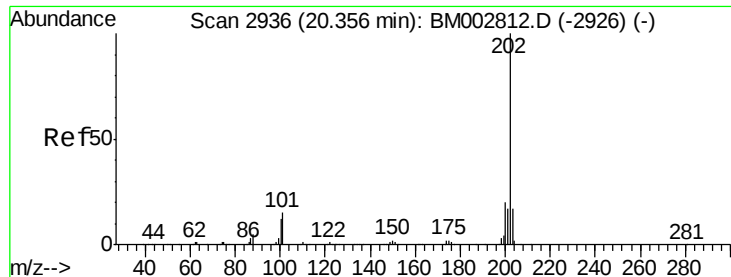
Delta R.T. 0.01 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Tgt Ion:	202	Resp:	2644244
Ion Ratio	Lower	Upper	
202	100		
101	13.7	11.0	16.4
100	10.3	8.3	12.5





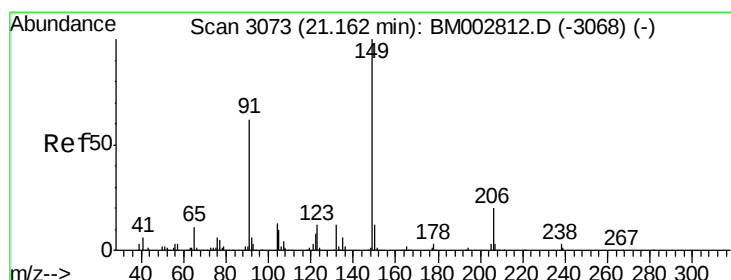
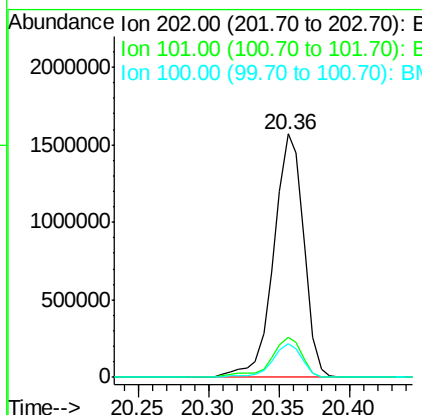
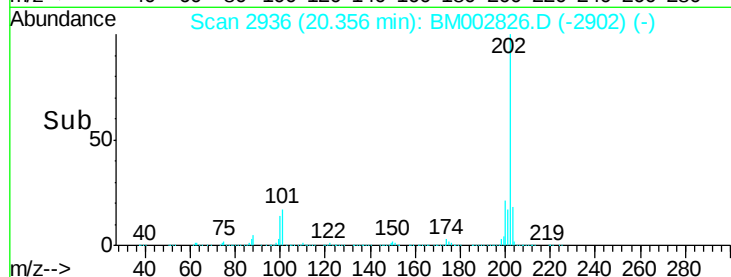
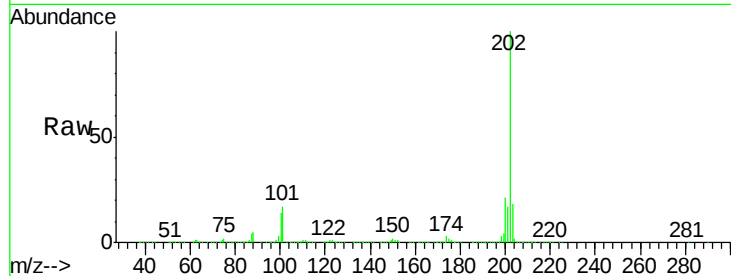
#80
Pyrene
Concen: 108.58 ng/ul
RT: 20.36 min Scan# 2936
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	12.1	18.1
100	13.7	10.2	15.4

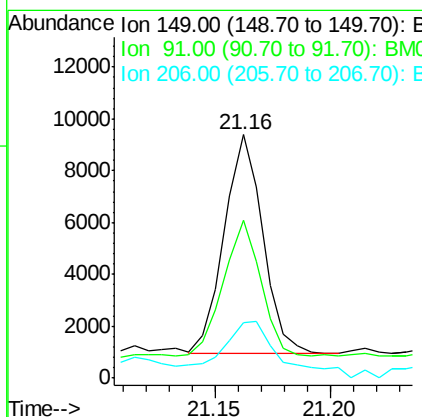
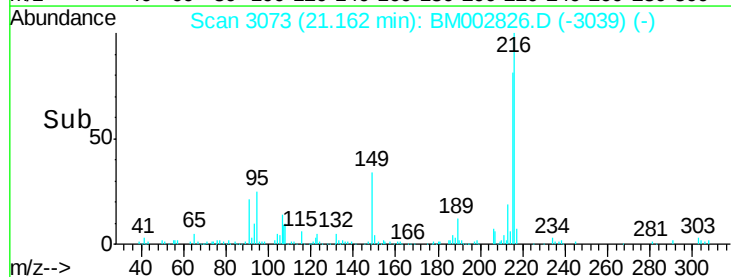
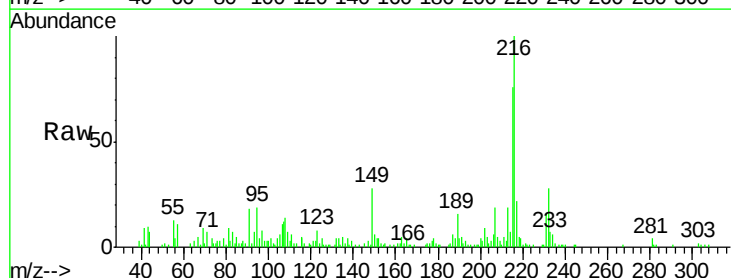
Manual Integrations
APPROVED

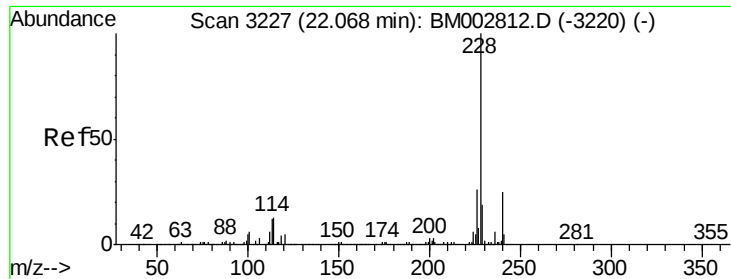
MMDadoda
10/2/2015 6:08:11 PM



#81
Butylbenzylphthalate
Concen: 1.01 ng/ul
RT: 21.16 min Scan# 3073
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.1	49.0	73.6
206	22.7	16.0	24.0





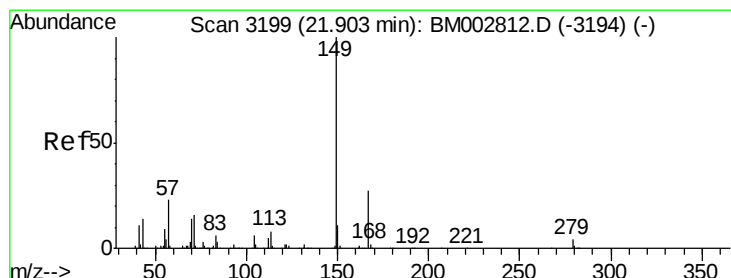
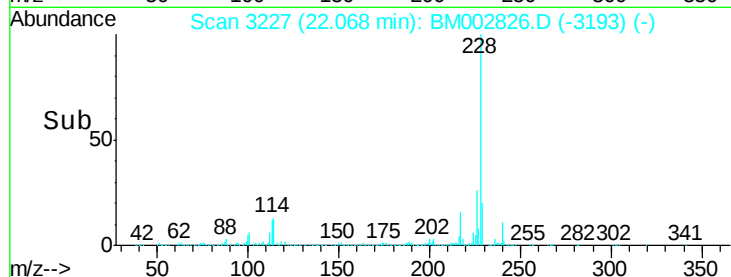
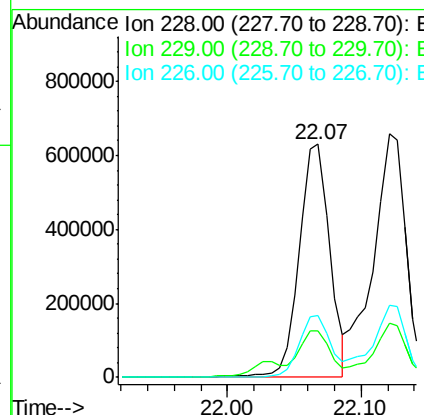
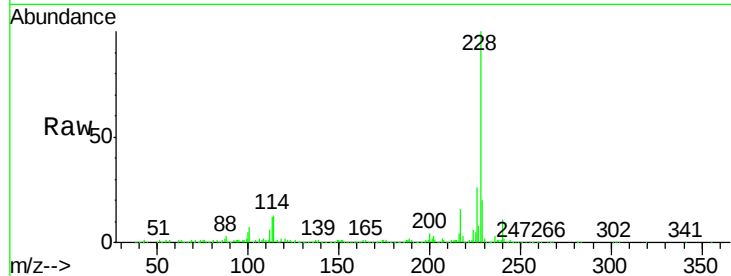
#83
Benzo(a)anthracene
Concen: 49.25 ng/ul
RT: 22.07 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	989246		
229	20.1	16.1	24.1	
226	26.5	20.9	31.3	

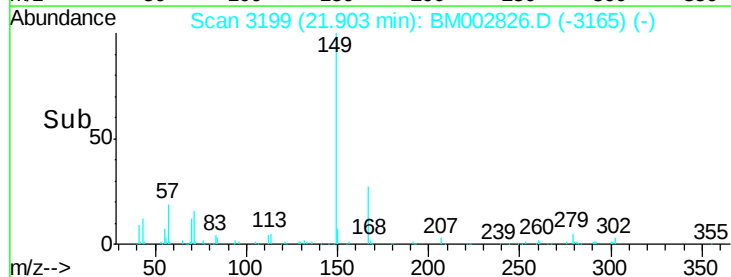
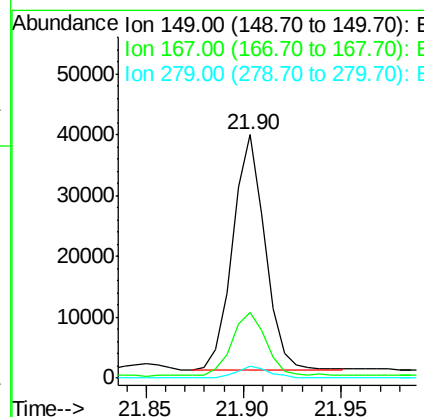
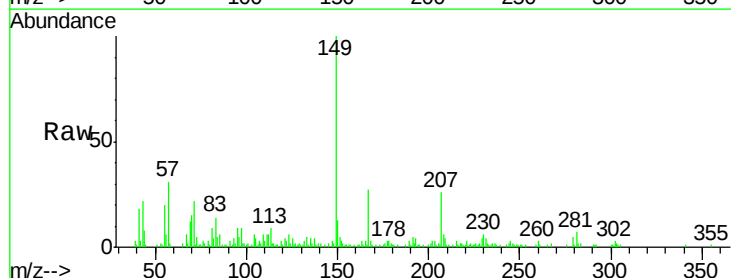
Manual Integrations
APPROVED

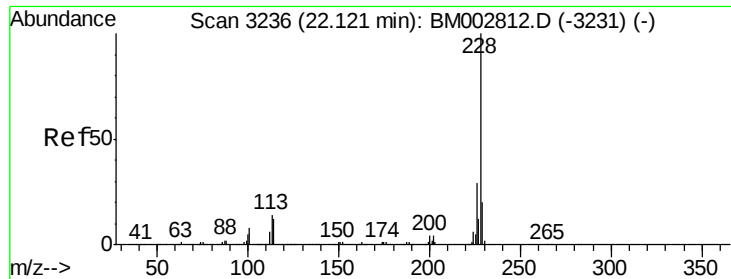
MMDadoda
10/2/2015 6:08:11 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.03 ng/ul
RT: 21.90 min Scan# 3199
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	43903		
167	26.7	21.7	32.5	
279	4.7	3.0	4.6	





#85

Chrysene

Concen: 58.67 ng/u1

RT: 22.12 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

D9G67MS

Tgt Ion:228 Resp: 1111593

Ion Ratio Lower Upper

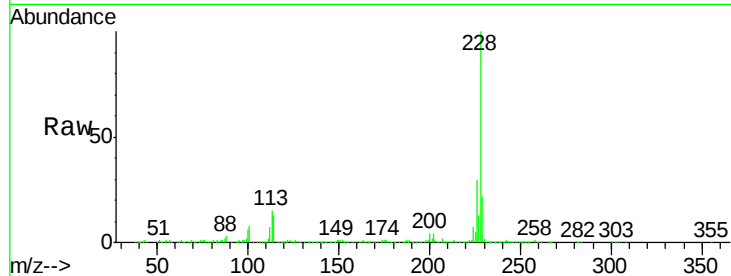
228 100

226 29.7 22.4 33.6

229 22.1 15.4 23.2

Manual Integrations
APPROVED

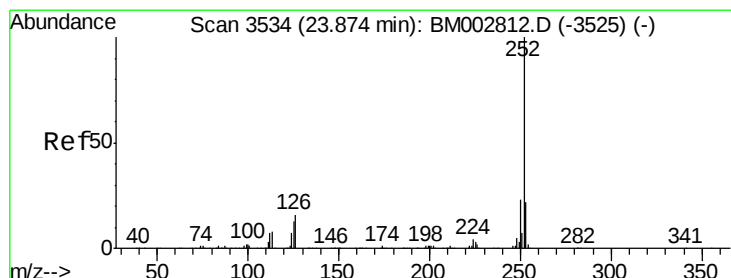
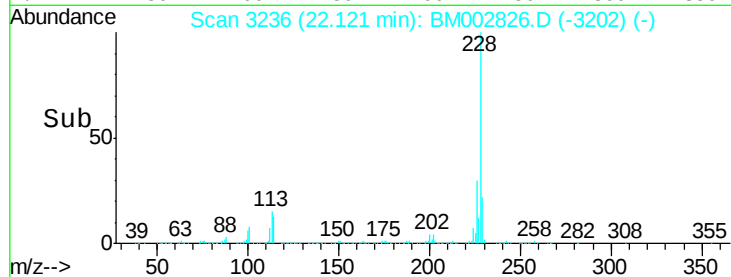
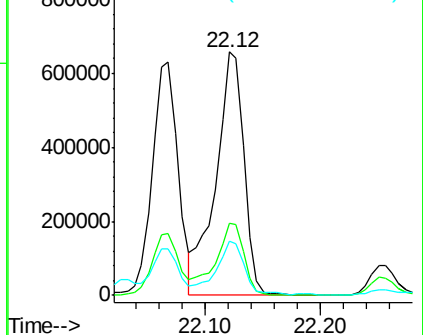
MMDadoda
10/2/2015 6:08:11 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 70.36 ng/u1

RT: 23.88 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Tgt Ion:252 Resp: 1475918

Ion Ratio Lower Upper

252 100

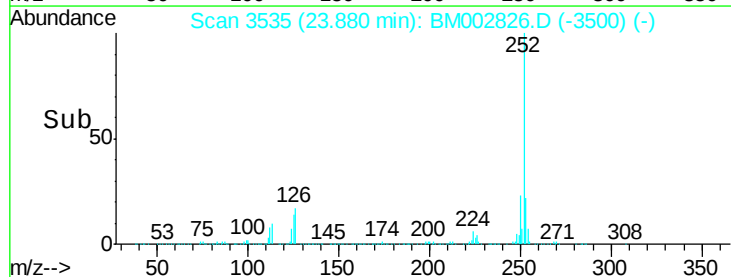
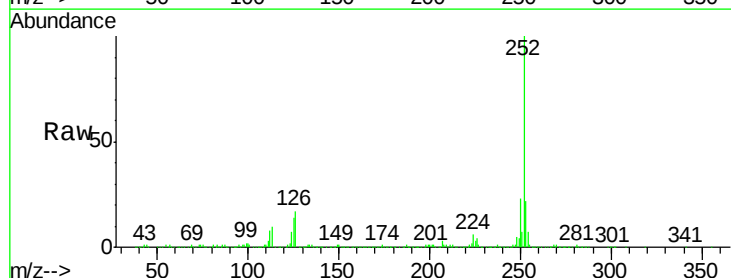
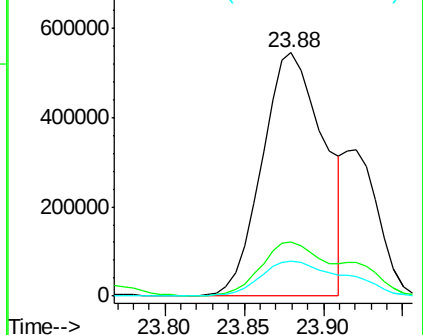
253 22.2 17.6 26.4

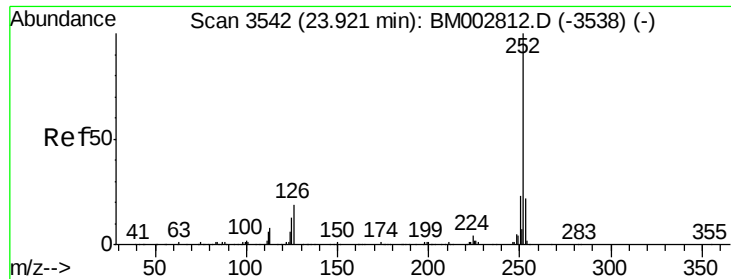
125 14.4 10.6 15.8

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





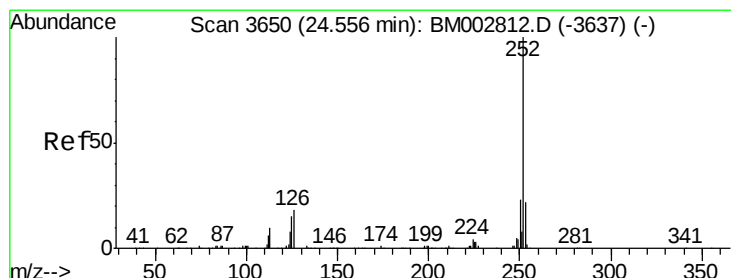
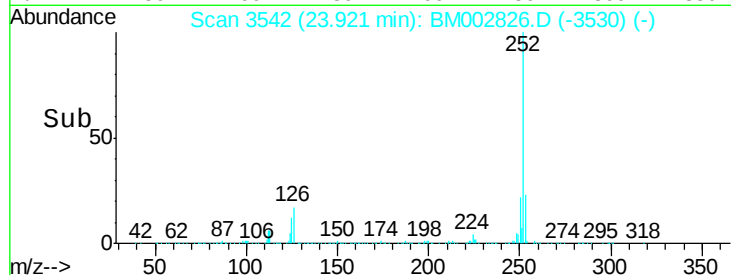
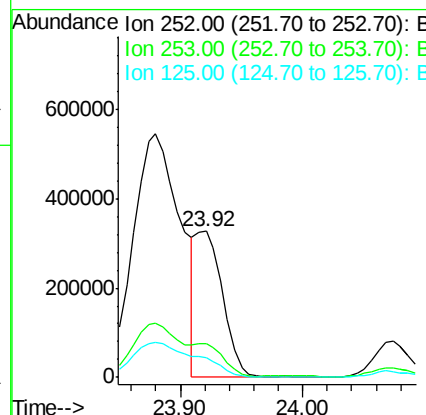
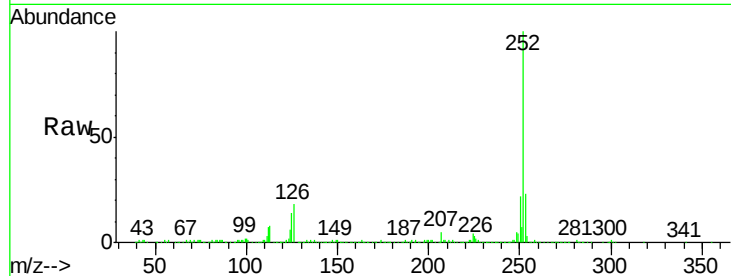
#89
Benzo(k)fluoranthene
Concen: 24.96 ng/ul m
RT: 23.92 min Scan# 3542
Delta R.T. 0.00 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Instrument :
BNA_M
ClientSampleId :
D9G67MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	13.6	10.0	15.0

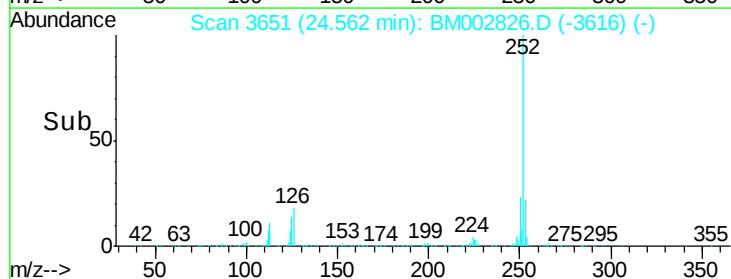
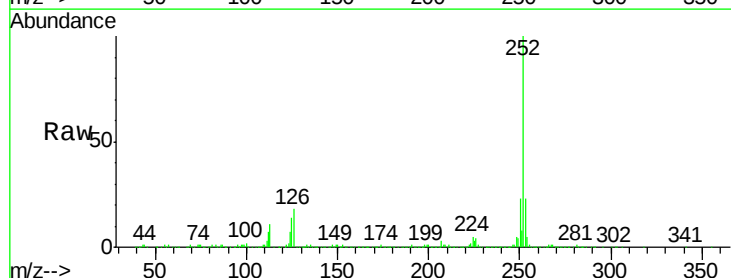
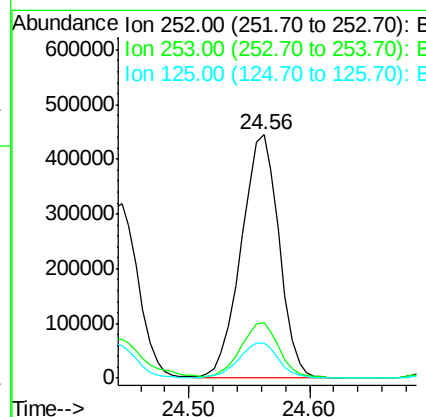
Manual Integrations
APPROVED

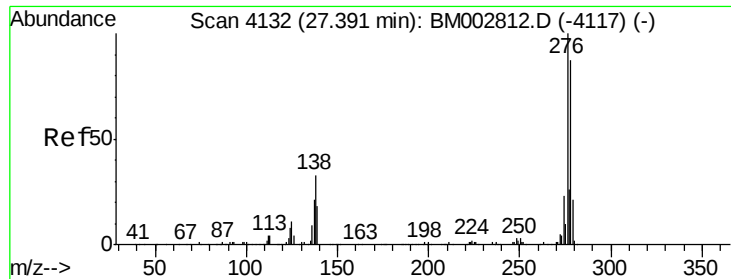
MMDadoda
10/2/2015 6:08:11 PM



#91
Benzo(a)pyrene
Concen: 47.73 ng/ul
RT: 24.56 min Scan# 3651
Delta R.T. 0.01 min
Lab File: BM002826.D
Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	14.4	11.4	17.2





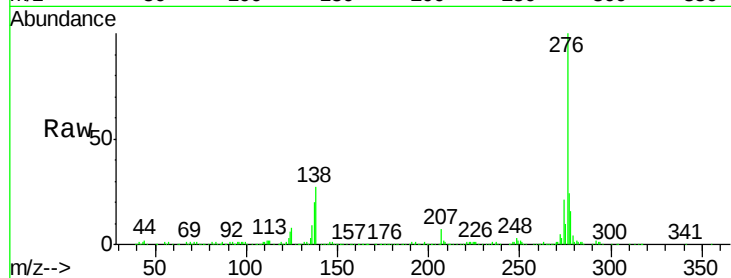
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 31.43 ng/u1
 RT: 27.40 min Scan# 4133
 Delta R.T. 0.01 min
 Lab File: BM002826.D
 Acq: 02 Oct 2015 04:40

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MS

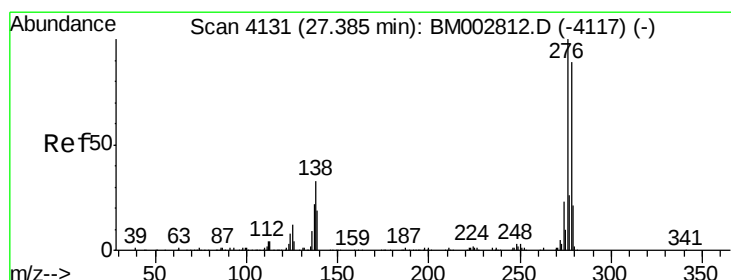
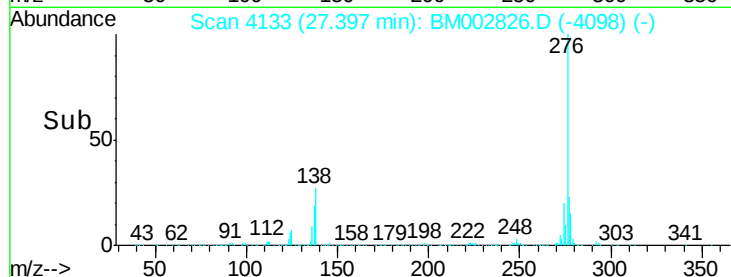
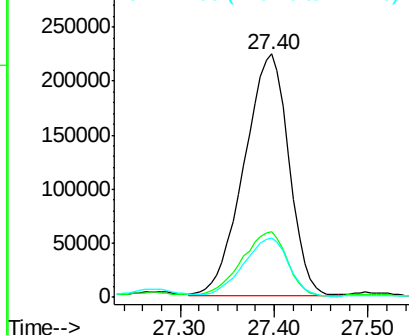
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.7	41.5#
277	24.1	20.2	30.4

Manual Integrations
 APPROVED

MMDadoda
 10/2/2015 6:08:11 PM



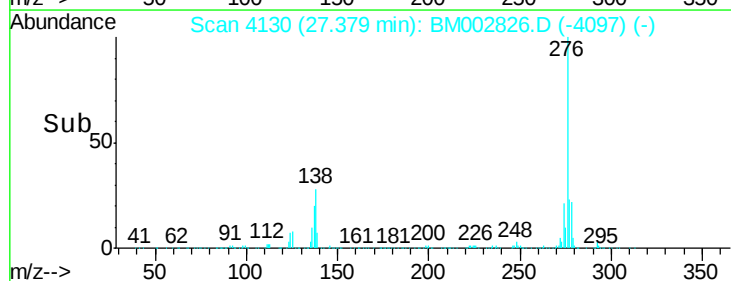
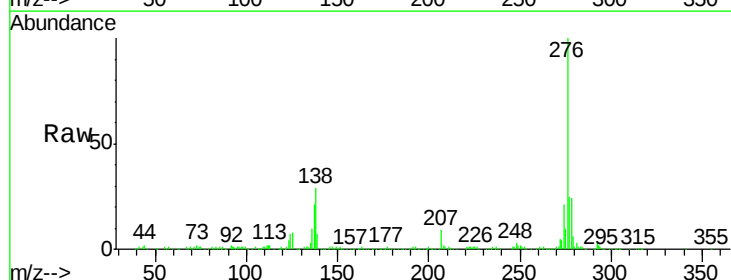
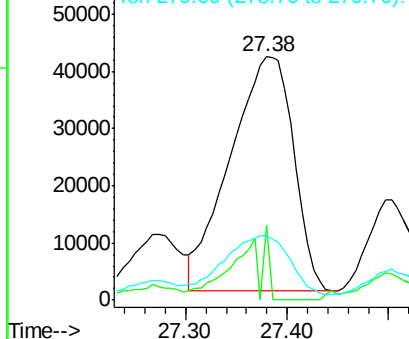
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

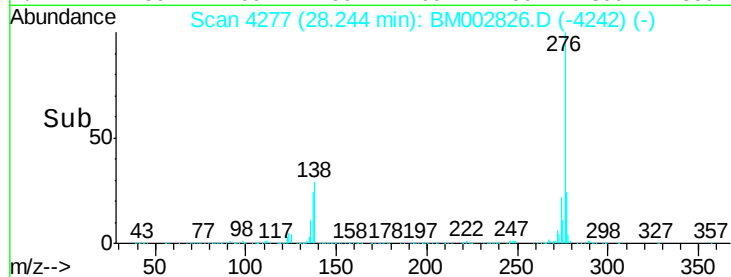
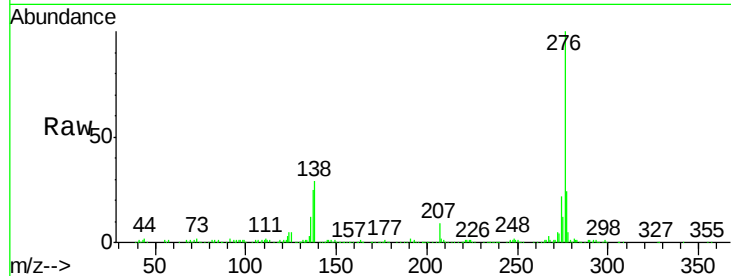
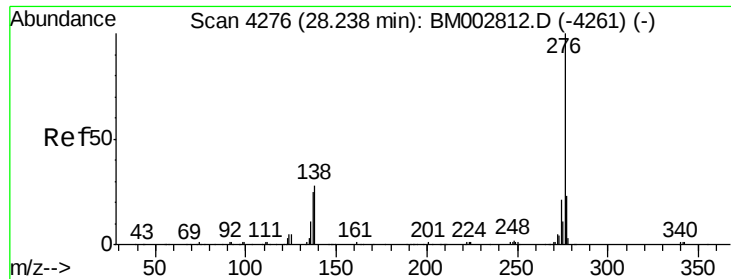


#93
 Dibenzo(a,h)anthracene
 Concen: 8.99 ng/u1
 RT: 27.38 min Scan# 4130
 Delta R.T. -0.01 min
 Lab File: BM002826.D
 Acq: 02 Oct 2015 04:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.5	17.0	25.6#
279	26.6	19.0	28.6

Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 34.02 ng/ul

RT: 28.24 min Scan# 4277

Delta R.T. 0.01 min

Lab File: BM002826.D

Acq: 02 Oct 2015 04:40

Instrument :

BNA_M

ClientSampleId :

D9G67MS

Tgt Ion:	276	Resp:	673274
Ion Ratio	Lower	Upper	
276	100		
138	28.8	21.8	32.8
277	24.4	18.9	28.3

Manual Integrations
APPROVED

MMDadoda
10/2/2015 6:08:11 PM

