

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011750.D
 Acq On : 28 Sep 2017 07:23
 Operator : SJ/JU
 Sample : I5377-23
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3J3

Manual Integrations
 APPROVED

Sohil
 9/29/2017 2:23:15 PM

Quant Time: Sep 28 08:04:05 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 05:09:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	295409	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1308127	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	730060	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1561918	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1291751	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1104424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	9723	1.47	ng/uL	0.00
5) Phenol-d5	7.09	99	394089	13.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	277486	13.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	298350	13.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	350303	15.39	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	159729	15.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	178884	16.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	351734	16.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	263479	11.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1179455	18.84	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1399503	18.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	151104m	14.12	ng/ul	0.00
57) Fluorene-d10	15.56	176	1013566	18.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	135293	12.79	ng/ul	0.00
70) Anthracene-d10	17.41	188	1534333	19.30	ng/ul	0.00
76) Pyrene-d10	19.70	212	1624680	26.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	1035615	19.58	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.79	128	131708	1.926	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	60738	1.253	ng/ul	94
44) Dimethylphthalate	14.02	163	236685	3.952	ng/ul	99
49) Acenaphthene	14.63	153	97015	1.875	ng/ul	98
53) Dibenzofuran	14.97	168	91977	1.295	ng/ul	90
58) Fluorene	15.62	166	104562	1.738	ng/ul#	95
69) Phenanthrene	17.36	178	1924148	22.011	ng/ul	98
71) Anthracene	17.44	178	378893	4.207	ng/ul	97
72) Carbazole	17.72	167	138037	1.749	ng/ul	98
74) Fluoranthene	19.37	202	2907830	27.244	ng/ul#	91
77) Pyrene	19.73	202	2758844	35.839	ng/ul#	88
80) Benzo(a)anthracene	21.47	228	1310440	18.133	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.37	149	57509	1.197	ng/ul#	97
82) Chrysene	21.52	228	1331033	19.528	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1653095	25.369	ng/ul#	93
86) Benzo(k)fluoranthene	23.17	252	617912m	9.295	ng/ul	
88) Benzo(a)pyrene	23.74	252	1195080	18.989	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.27	276	892024	13.613	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.27	278	265417	4.836	ng/ul#	85
91) Benzo(g,h,i)perylene	27.01	276	927130m	17.046	ng/ul	

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

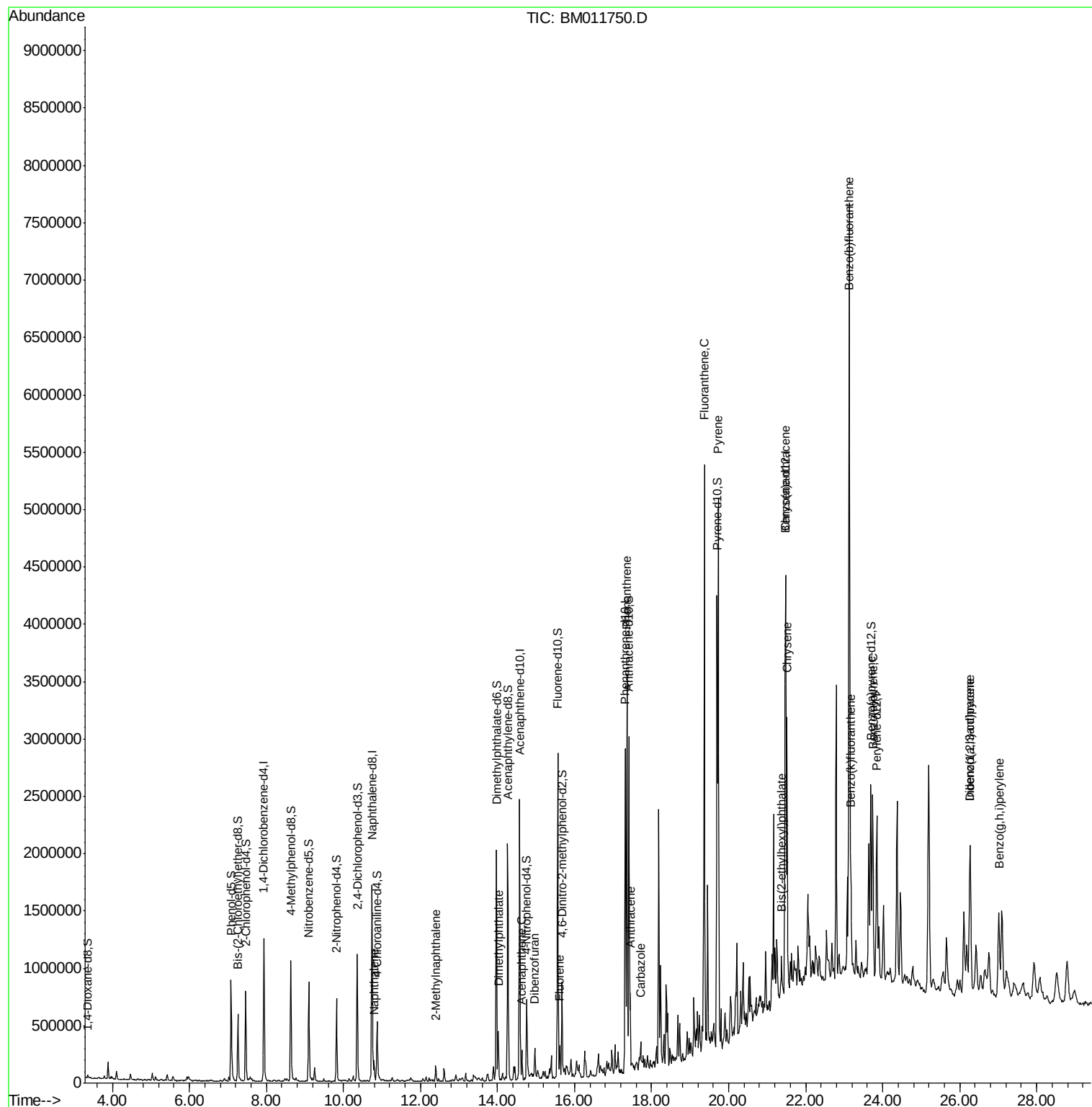
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011750.D
Acq On : 28 Sep 2017 07:23
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ALS Vial : 28 Sample Multiplier: 1

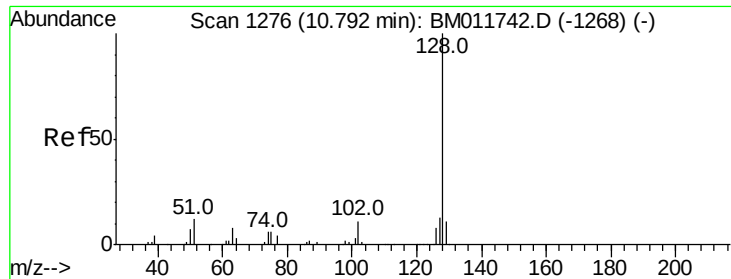
Instrument :
BNA_M
ClientSampled :
CB3J3

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Quant Time: Sep 28 08:04:05 2017
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





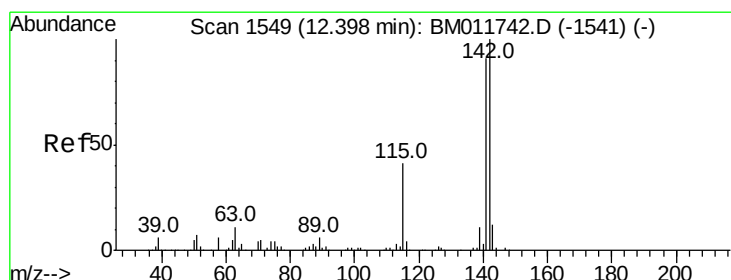
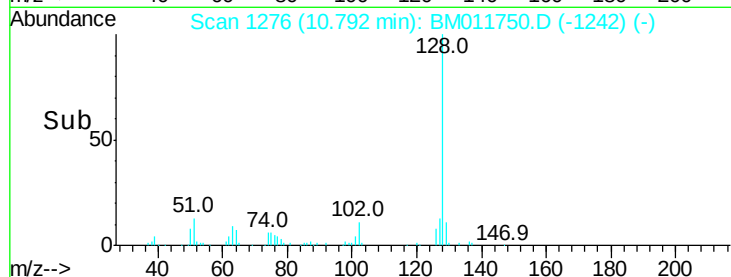
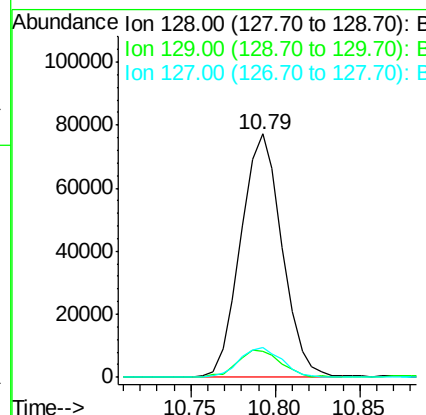
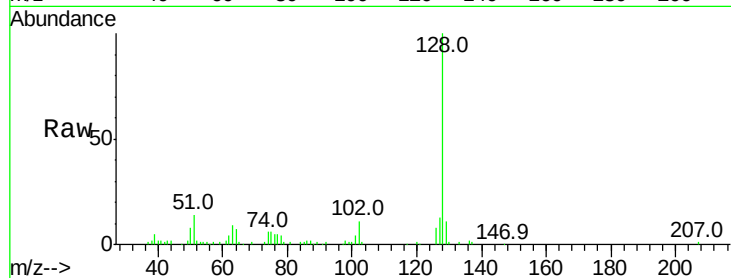
#28
Naphthalene
Concen: 1.926 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Instrument :
BNA_M
ClientSampled :
CB3J3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.5	10.6	16.0

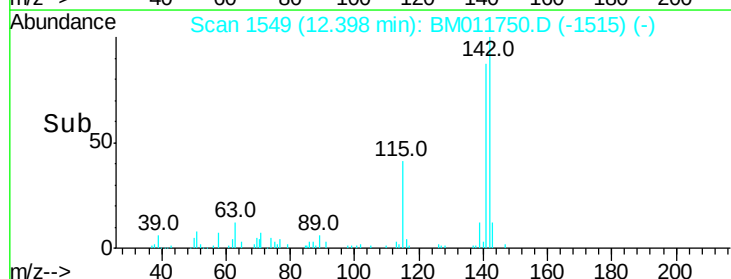
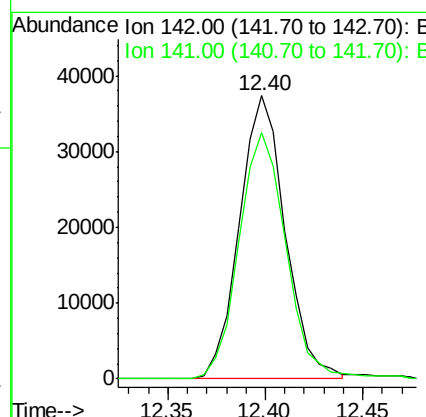
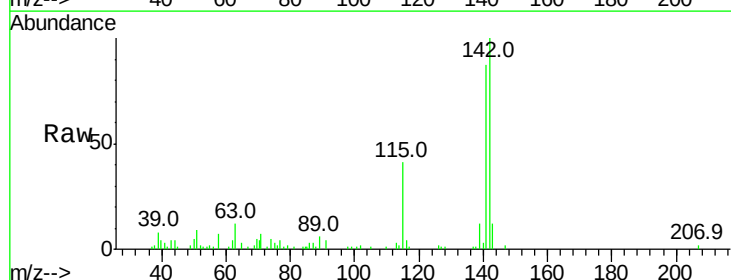
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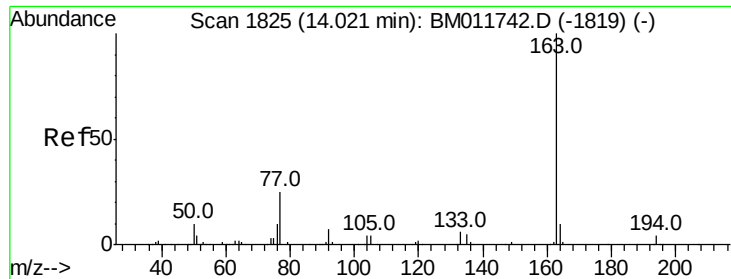
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#34
2-Methylnaphthalene
Concen: 1.253 ng/ul
RT: 12.40 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.8	74.1	111.1





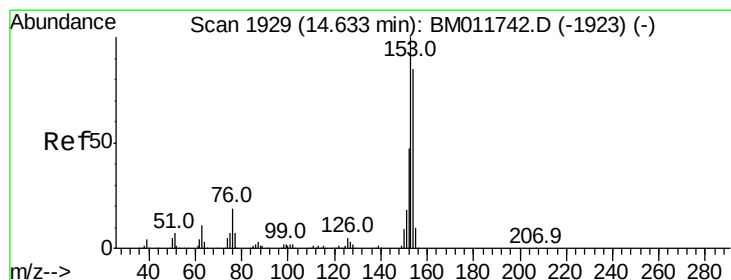
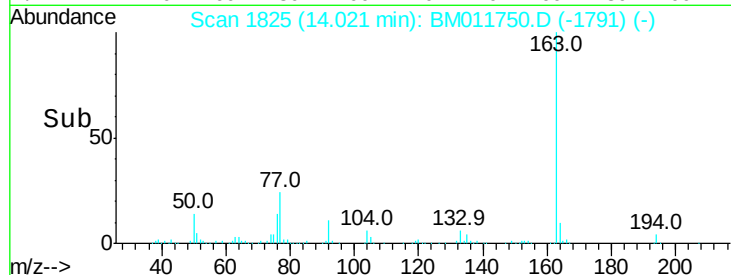
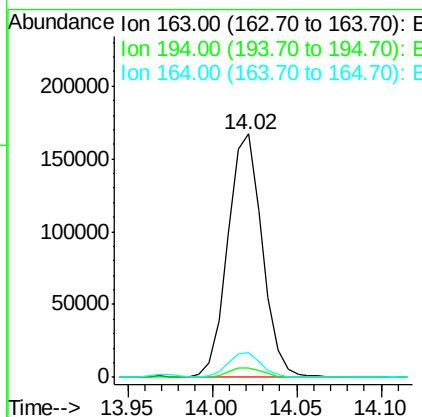
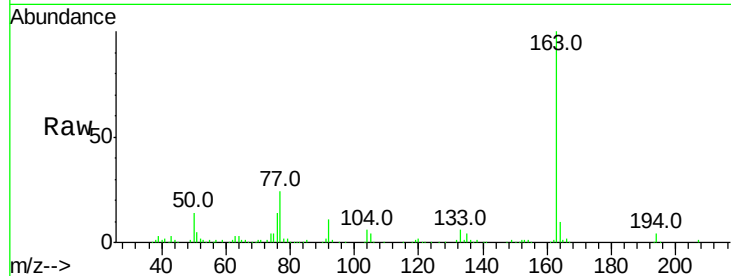
#44
Dimethylphthalate
Concen: 3.952 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Instrument :
BNA_M
ClientSampled :
CB3J3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	236685		
194	4.1		3.5	5.3
164	10.0		8.2	12.4

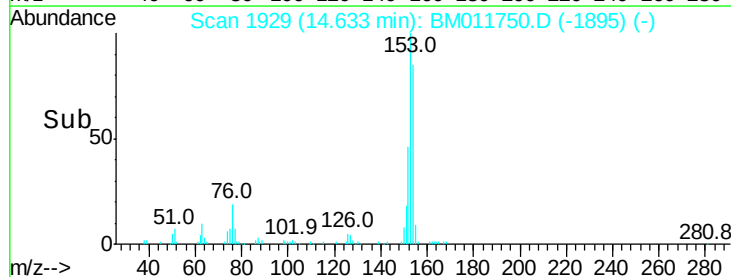
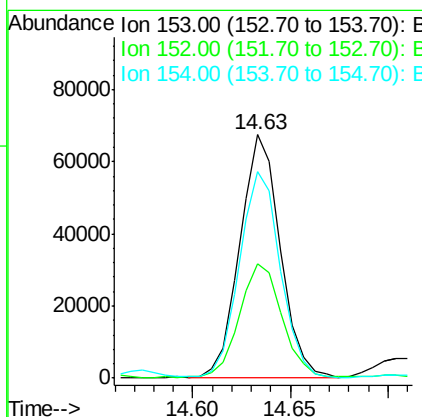
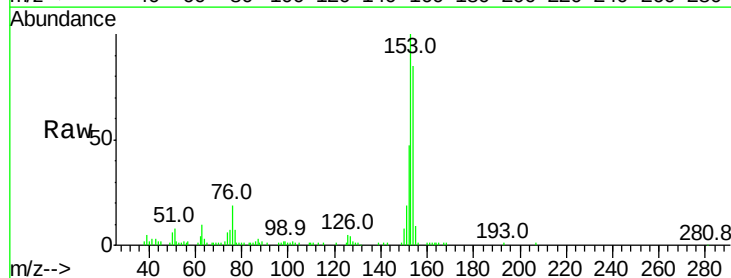
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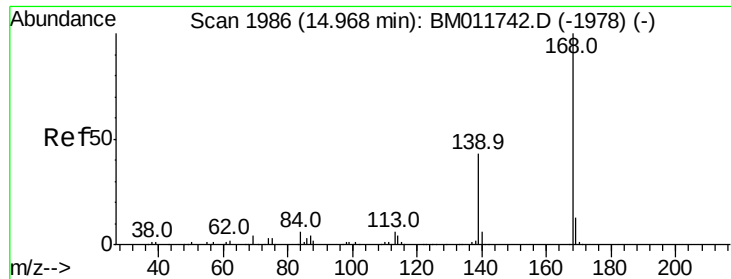
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#49
Acenaphthene
Concen: 1.875 ng/ul
RT: 14.63 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	97015		
152	46.8		37.6	56.4
154	84.8		70.4	105.6





#53

Dibenzenofuran

Concen: 1.295 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampled :

CB3J3

Tot Ion:168 Resp: 91977

Ion Ratio Lower Upper

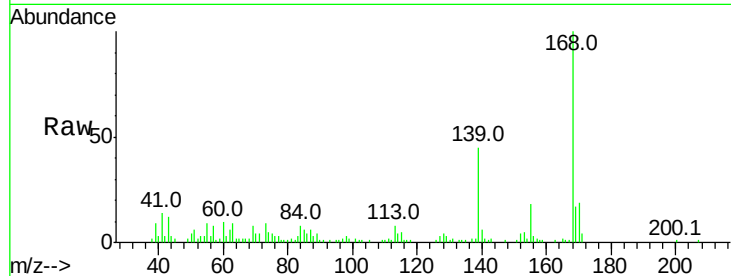
168 100

139 44.6 30.8 46.2

Manual Integrations
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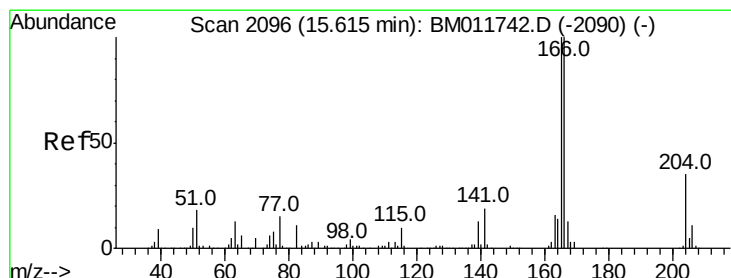
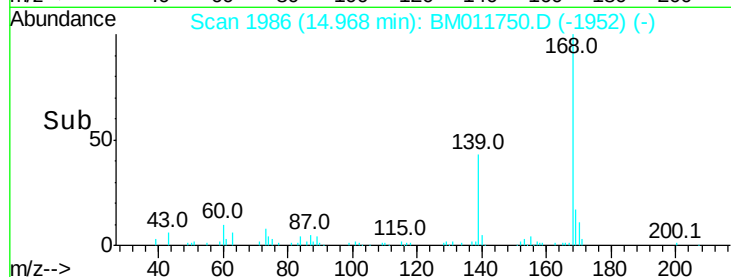
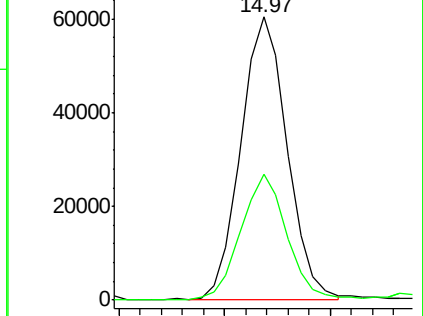
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.738 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

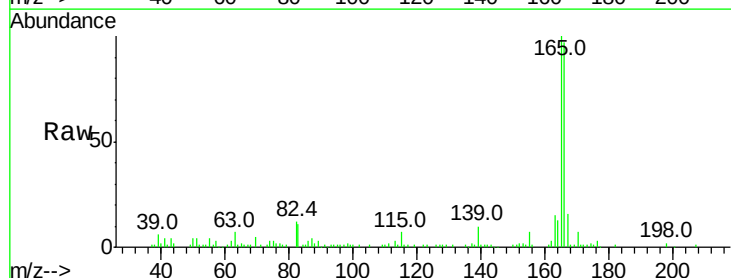
Tgt Ion:166 Resp: 104562

Ion Ratio Lower Upper

166 100

165 102.6 77.9 116.9

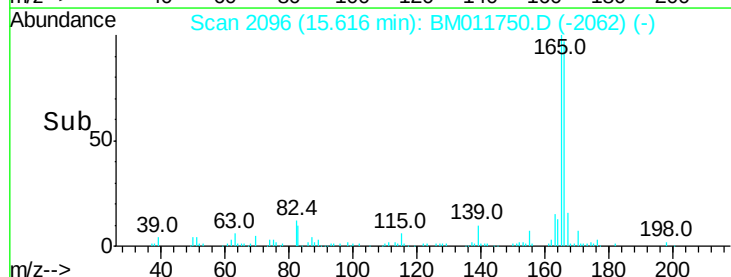
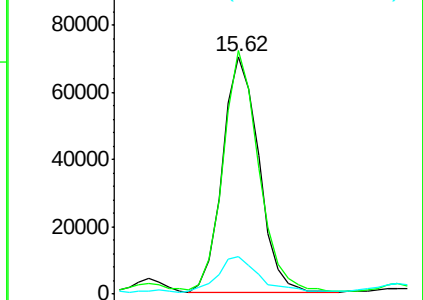
167 16.0 10.6 16.0#

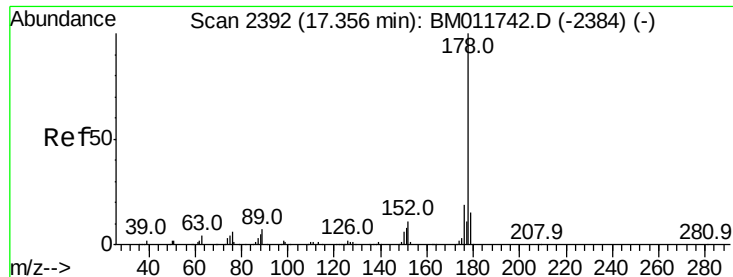


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 22.011 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampleId :

CB3J3

Tot Ion:178 Resp: 1924148

Ion Ratio Lower Upper

178 100

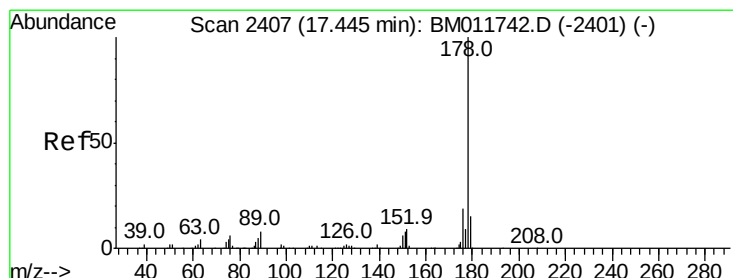
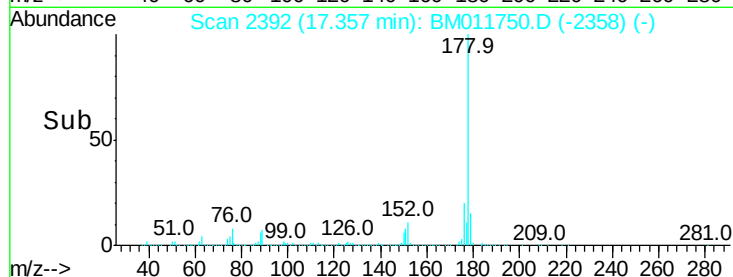
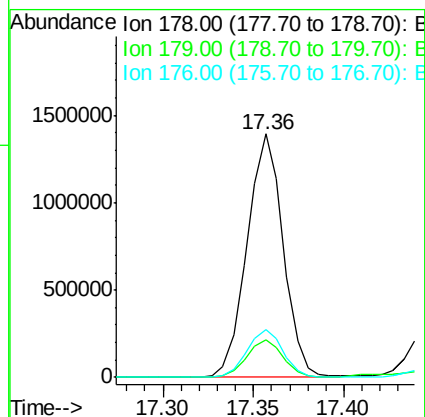
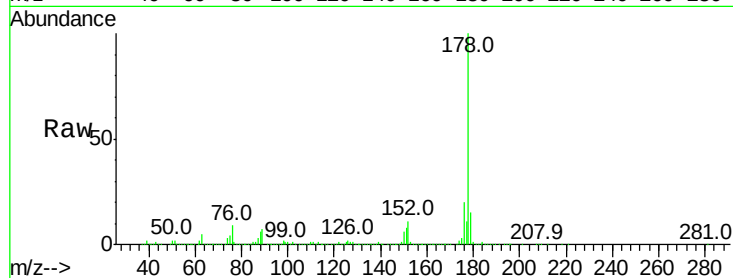
179 15.2 12.6 19.0

176 19.6 14.9 22.3

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#71

Anthracene

Concen: 4.207 ng/ul

RT: 17.44 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

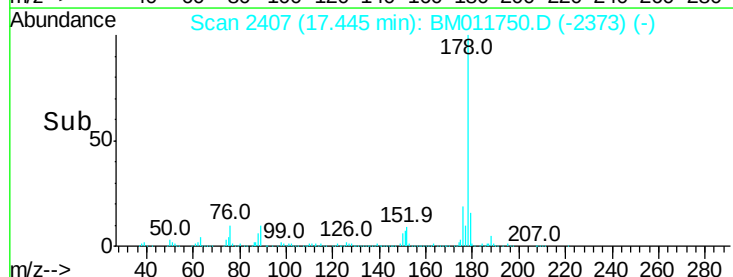
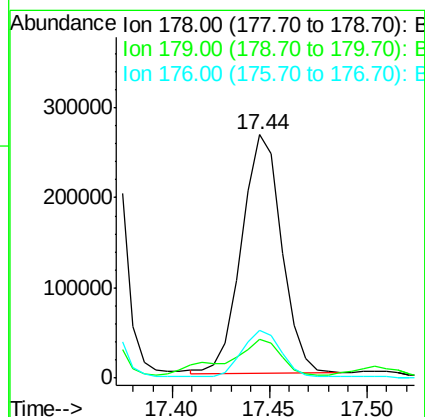
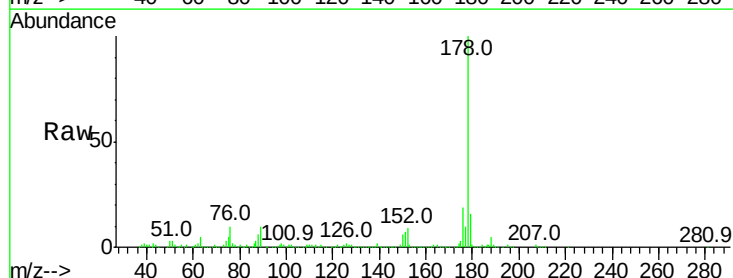
Tgt Ion:178 Resp: 378893

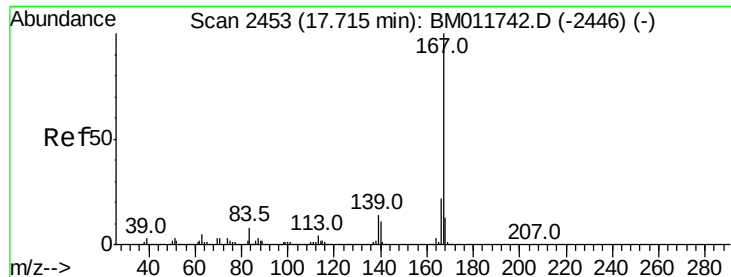
Ion Ratio Lower Upper

178 100

179 16.2 11.7 17.5

176 19.4 14.6 21.8





#72

Carbazole

Concen: 1.749 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

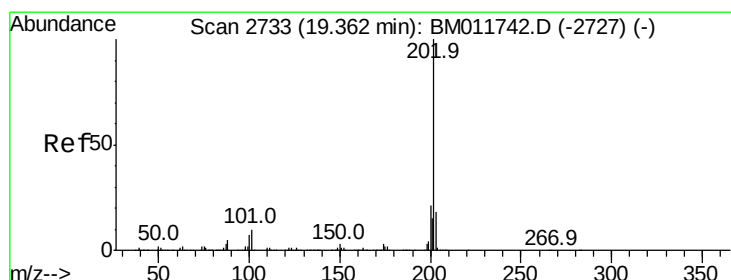
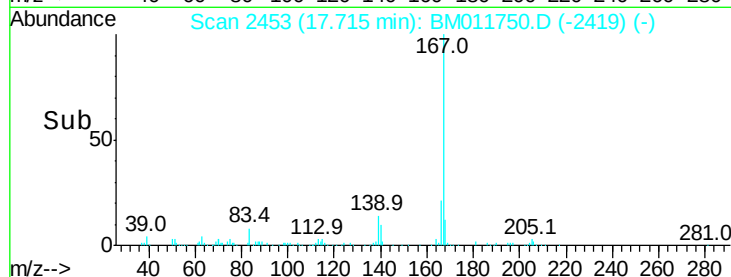
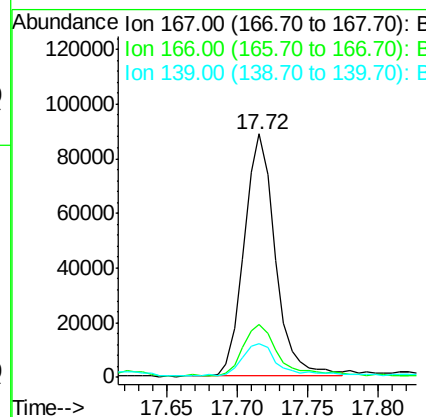
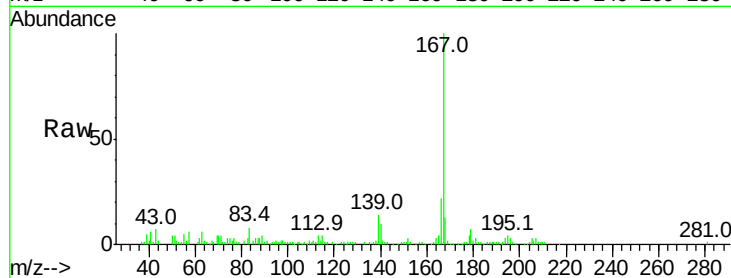
ClientSampleId :

CB3J3

Tot Ion:	167	Resp:	138037
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.1	25.7
139	14.1	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 27.244 ng/ul

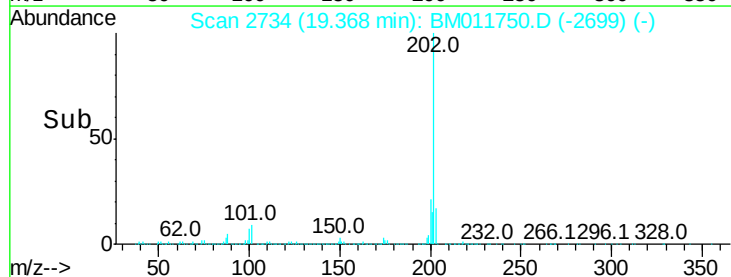
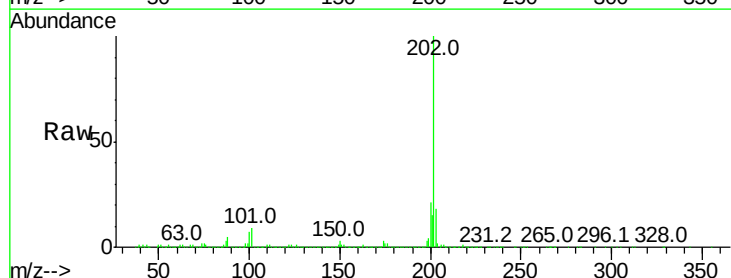
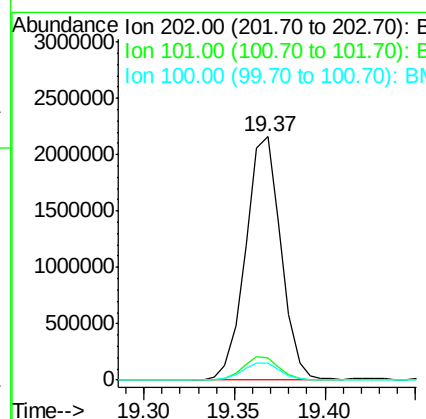
RT: 19.37 min Scan# 2734

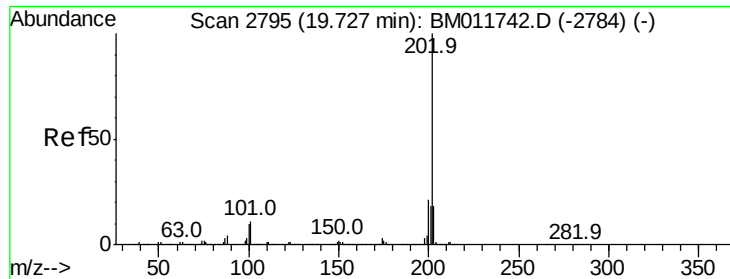
Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Tgt Ion:	202	Resp:	2907830
Ion Ratio	Lower	Upper	
202	100		
101	9.0	4.6	7.0#
100	7.0	3.4	5.2#





#77

Pvrene

Concen: 35.839 ng/ul

RT: 19.73 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampled :

CB3J3

Tot Ion:202 Resp: 2758844

Ion Ratio Lower Upper

202 100

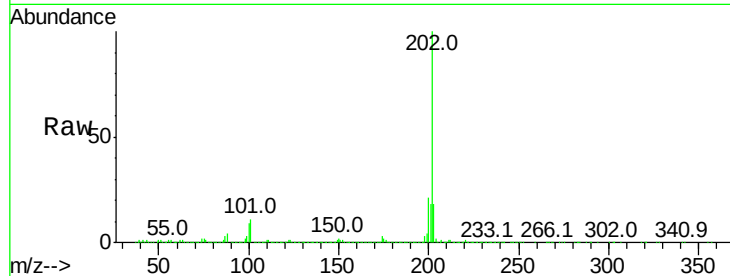
101 11.5 5.1 7.7#

100 9.1 4.9 7.3#

Manual Integrations
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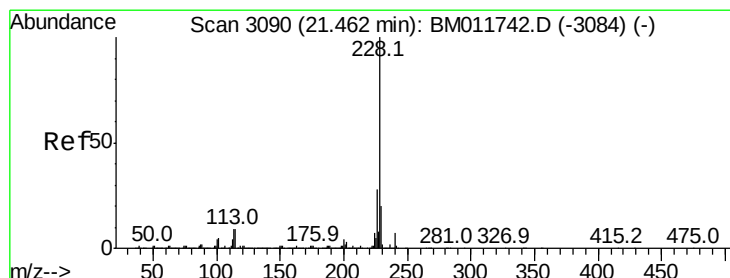
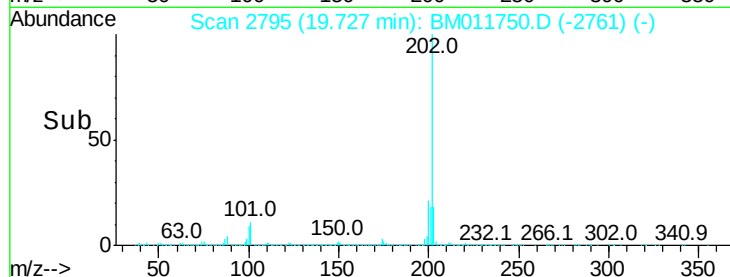
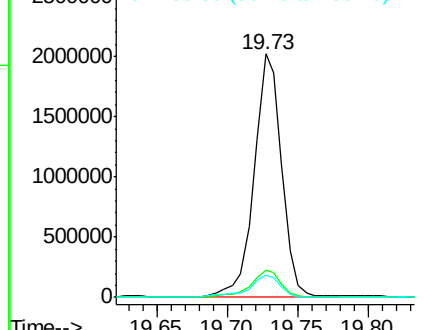
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 18.133 ng/ul

RT: 21.47 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

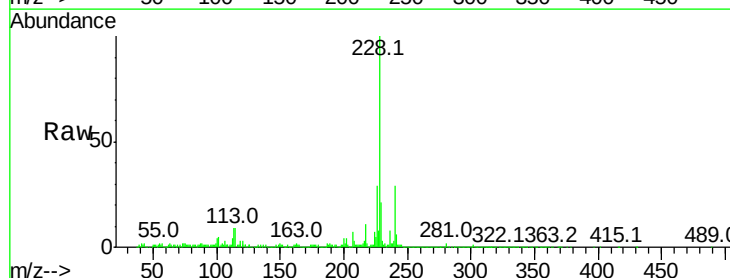
Tgt Ion:228 Resp: 1310440

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

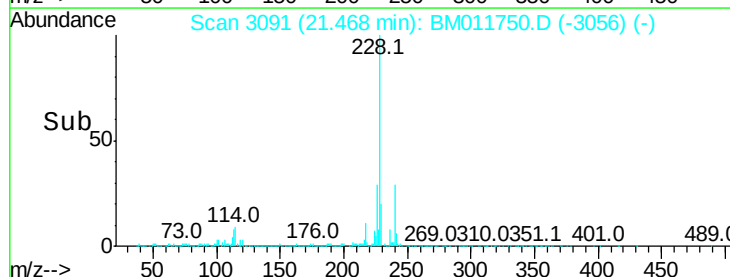
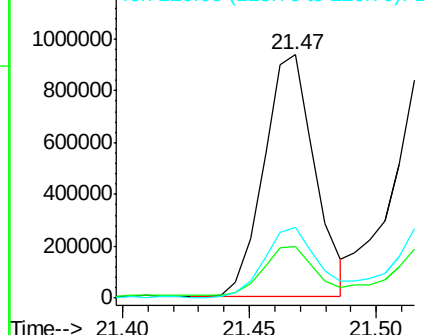
226 29.1 21.4 32.0

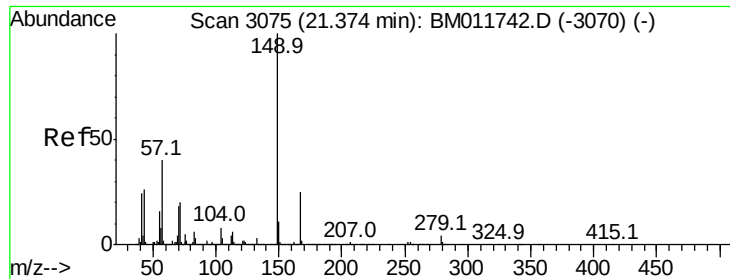


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





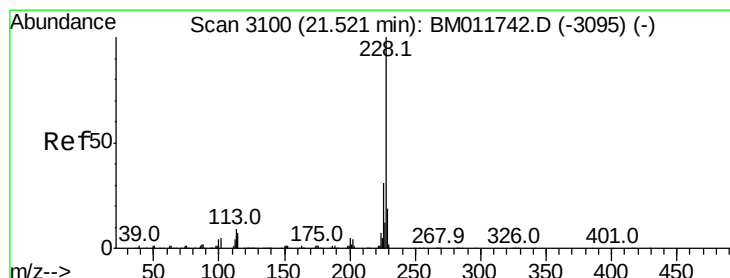
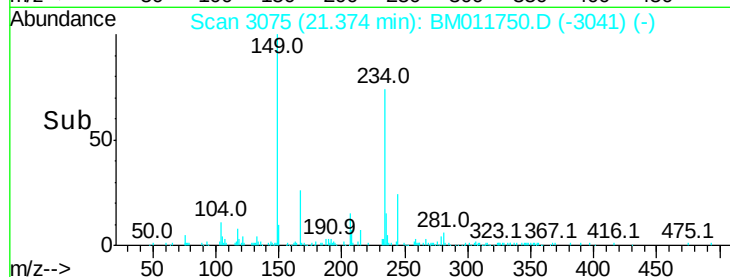
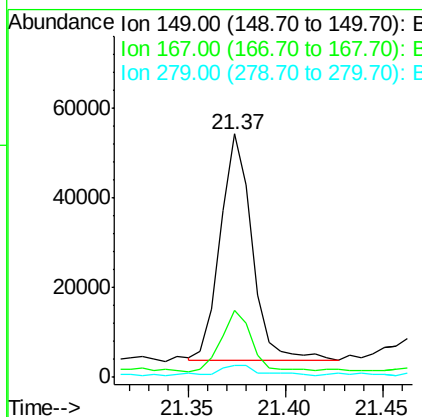
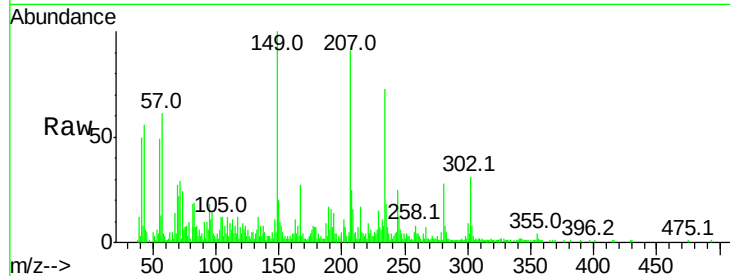
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.197 ng/ul
 RT: 21.37 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BM011750.D
 Acq: 28 Sep 2017 07:23

Instrument :
 BNA_M
 ClientSampleId :
 CB3J3

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.8	34.2
279	4.9	4.9	7.3

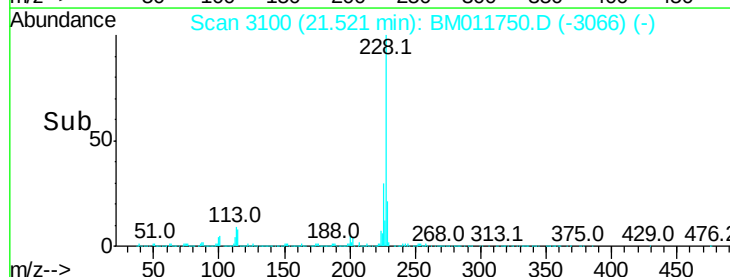
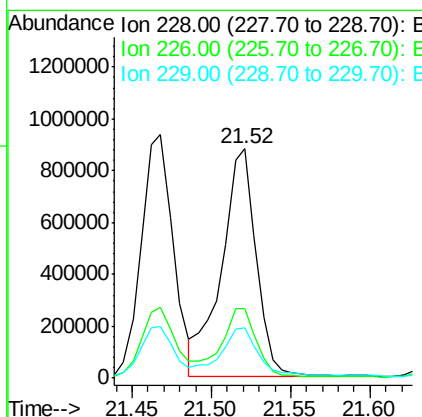
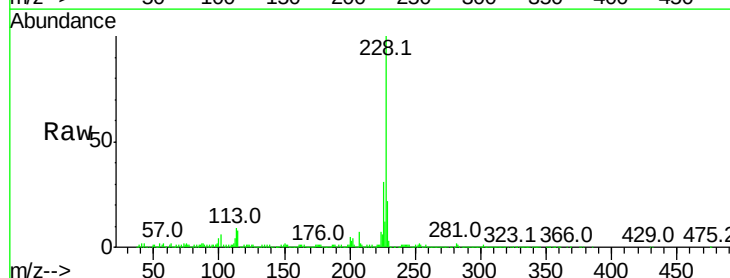
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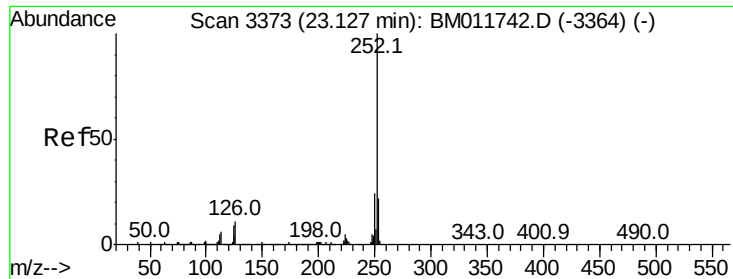
Sohil
 9/29/2017 2:23:15 PM



#82
 Chrysene
 Concen: 19.528 ng/ul
 RT: 21.52 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM011750.D
 Acq: 28 Sep 2017 07:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	21.9	15.5	23.3





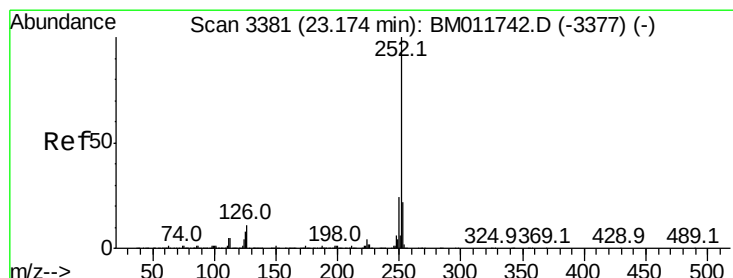
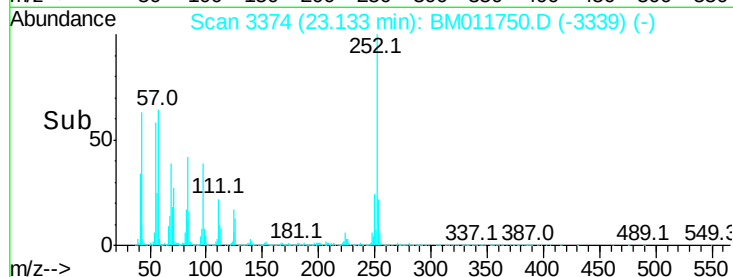
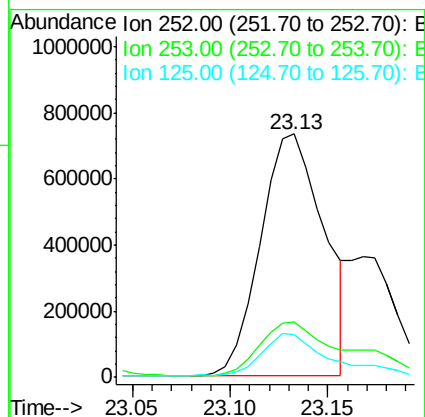
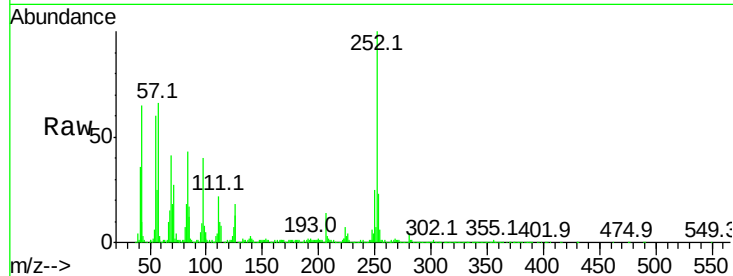
#85
Benzo(b)fluoranthene
Concen: 25.369 ng/ul
RT: 23.13 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Instrument :
BNA_M
ClientSampleId :
CB3J3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	17.5	3.6	5.4#

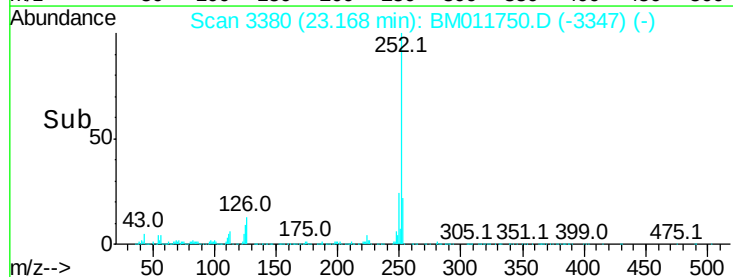
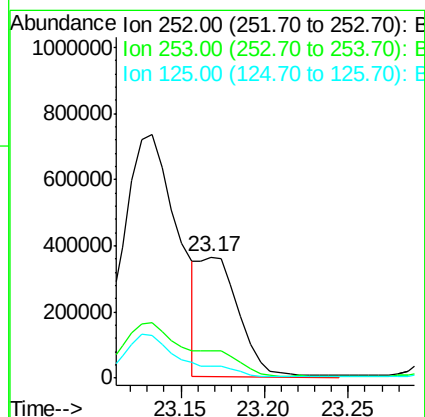
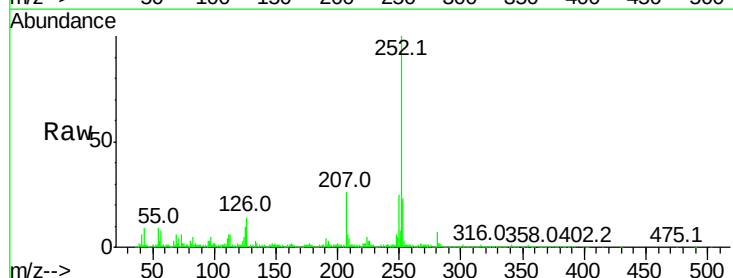
Manual Integrations
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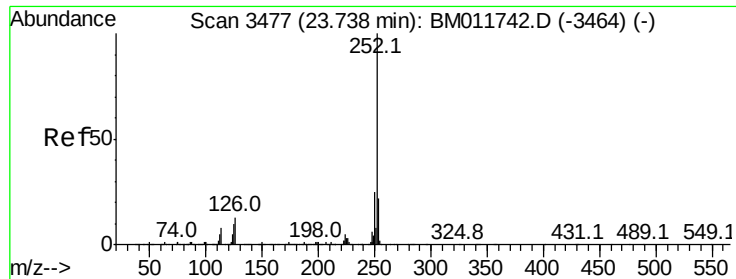
Sohil
9/29/2017 2:23:15 PM



#86
Benzo(k)fluoranthene
Concen: 9.295 ng/ul m
RT: 23.17 min Scan# 3380
Delta R.T. -0.01 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.3	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 18.989 ng/ul

RT: 23.74 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Instrument :

BNA_M

ClientSampled :

CB3J3

Tot Ion:252 Resp: 1195080

Ion Ratio Lower Upper

252 100

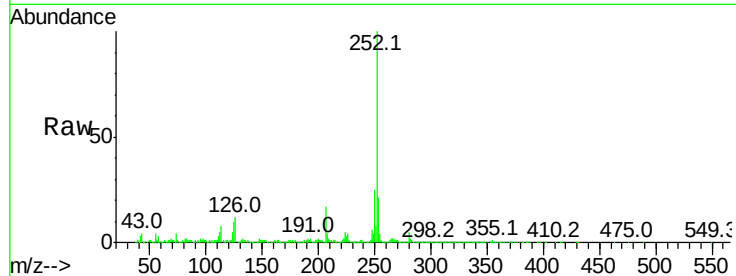
253 21.5 18.2 27.2

125 9.7 4.0 6.0#

Manual Integrations
APPROVED

Sohil

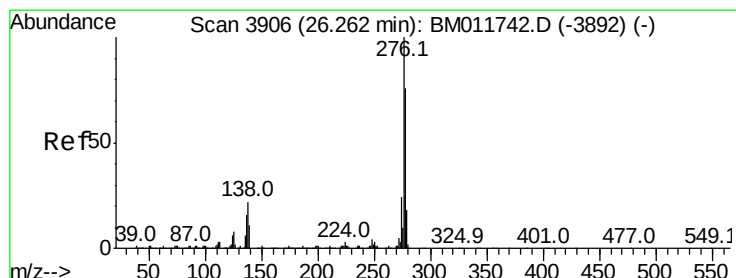
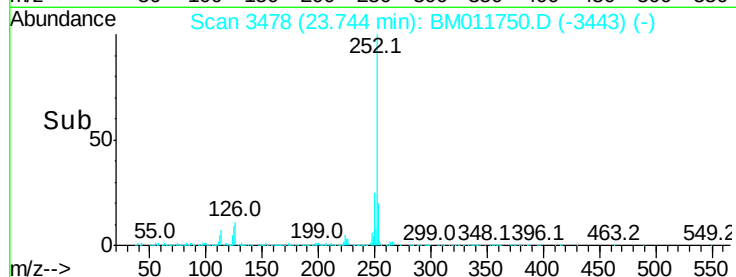
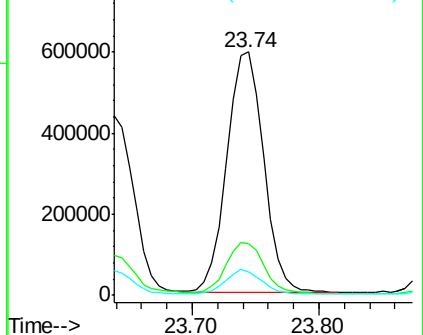
9/29/2017 2:23:15 PM



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

Indeno(1,2,3-cd)pyrene

Concen: 13.613 ng/ul

RT: 26.27 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM011750.D

Acq: 28 Sep 2017 07:23

Tgt Ion:276 Resp: 892024

Ion Ratio Lower Upper

276 100

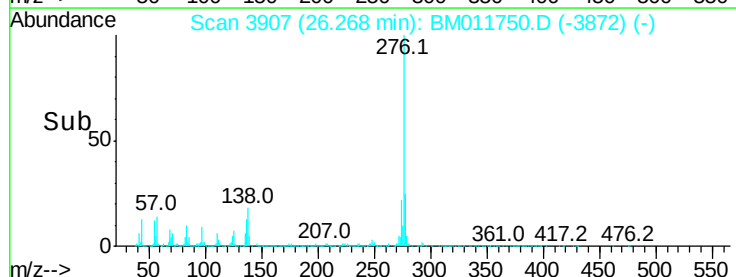
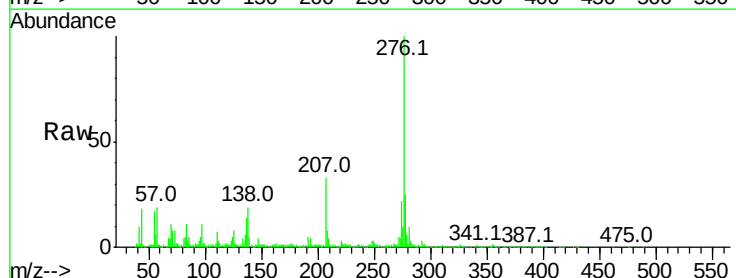
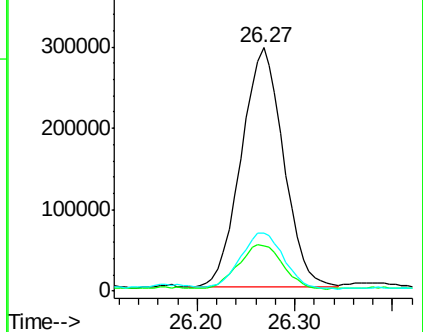
138 18.7 9.3 13.9#

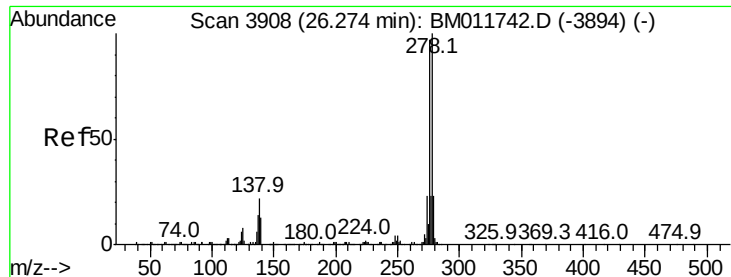
277 24.1 19.9 29.9

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





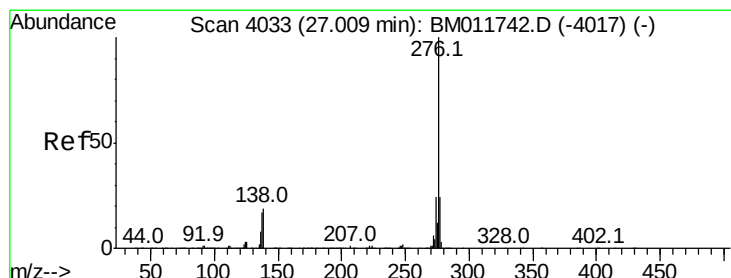
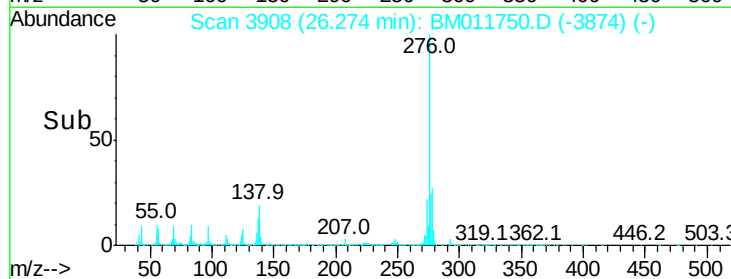
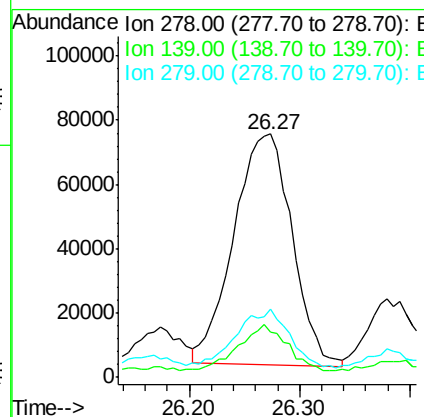
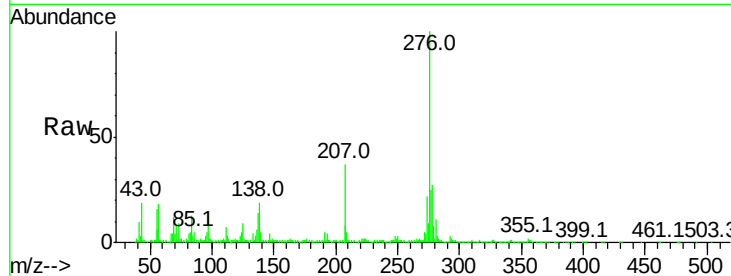
#90
Dibenzo(a,h)anthracene
Concen: 4.836 ng/ul
RT: 26.27 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Instrument :
BNA_M
ClientSampled :
CB3J3

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	5.8	8.8#
279	28.0	18.6	27.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 17.046 ng/ul m
RT: 27.01 min Scan# 4034
Delta R.T. 0.01 min
Lab File: BM011750.D
Acq: 28 Sep 2017 07:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	8.5	12.7#
277	23.3	18.6	28.0

