

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011751.D
 Acq On : 28 Sep 2017 07:59
 Operator : SJ/JU
 Sample : I5377-24
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3J4

Manual Integrations
 APPROVED

Sohil
 9/29/2017 2:23:19 PM

Quant Time: Sep 28 09:08:15 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	320935	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1416361	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	749095	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1481801	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1072216	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1020348	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	10921	1.52	ng/uL	0.00
5) Phenol-d5	7.09	99	300881	9.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	324326	14.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	286006	12.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	259261	10.49	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	163732	14.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	103328	8.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	218146	9.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	45314	1.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	709762	11.05	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1160490	14.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	2169	0.20	ng/ul	0.01
57) Fluorene-d10	15.56	176	811363	14.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	6053	0.60	ng/ul	0.00
70) Anthracene-d10	17.41	188	1124433	14.91	ng/ul	0.00
76) Pyrene-d10	19.70	212	1095961	21.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	757183	15.50	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.79	128	130273	1.760	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	54955	1.047	ng/ul	95
44) Dimethylphthalate	14.02	163	158449	2.579	ng/ul	99
49) Acenaphthene	14.63	153	78600	1.481	ng/ul	99
53) Dibenzofuran	14.97	168	75670	1.038	ng/ul	97
58) Fluorene	15.62	166	79089	1.281	ng/ul	99
69) Phenanthrene	17.36	178	1405001	16.941	ng/ul	98
71) Anthracene	17.44	178	264798	3.099	ng/ul	98
72) Carbazole	17.72	167	91536	1.223	ng/ul#	95
74) Fluoranthene	19.36	202	1939625	19.155	ng/ul#	88
77) Pyrene	19.73	202	1814846	28.403	ng/ul#	87
80) Benzo(a)anthracene	21.46	228	831863	13.867	ng/ul	96
82) Chrysene	21.52	228	870096	15.379	ng/ul	98
85) Benzo(b)fluoranthene	23.13	252	1250132	20.766	ng/ul#	93
86) Benzo(k)fluoranthene	23.17	252	342180m	5.572	ng/ul	
88) Benzo(a)pyrene	23.74	252	853455	14.678	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	668852	11.048	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.27	278	197553	3.896	ng/ul#	87
91) Benzo(g,h,i)perylene	27.01	276	678214	13.497	ng/ul#	91

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

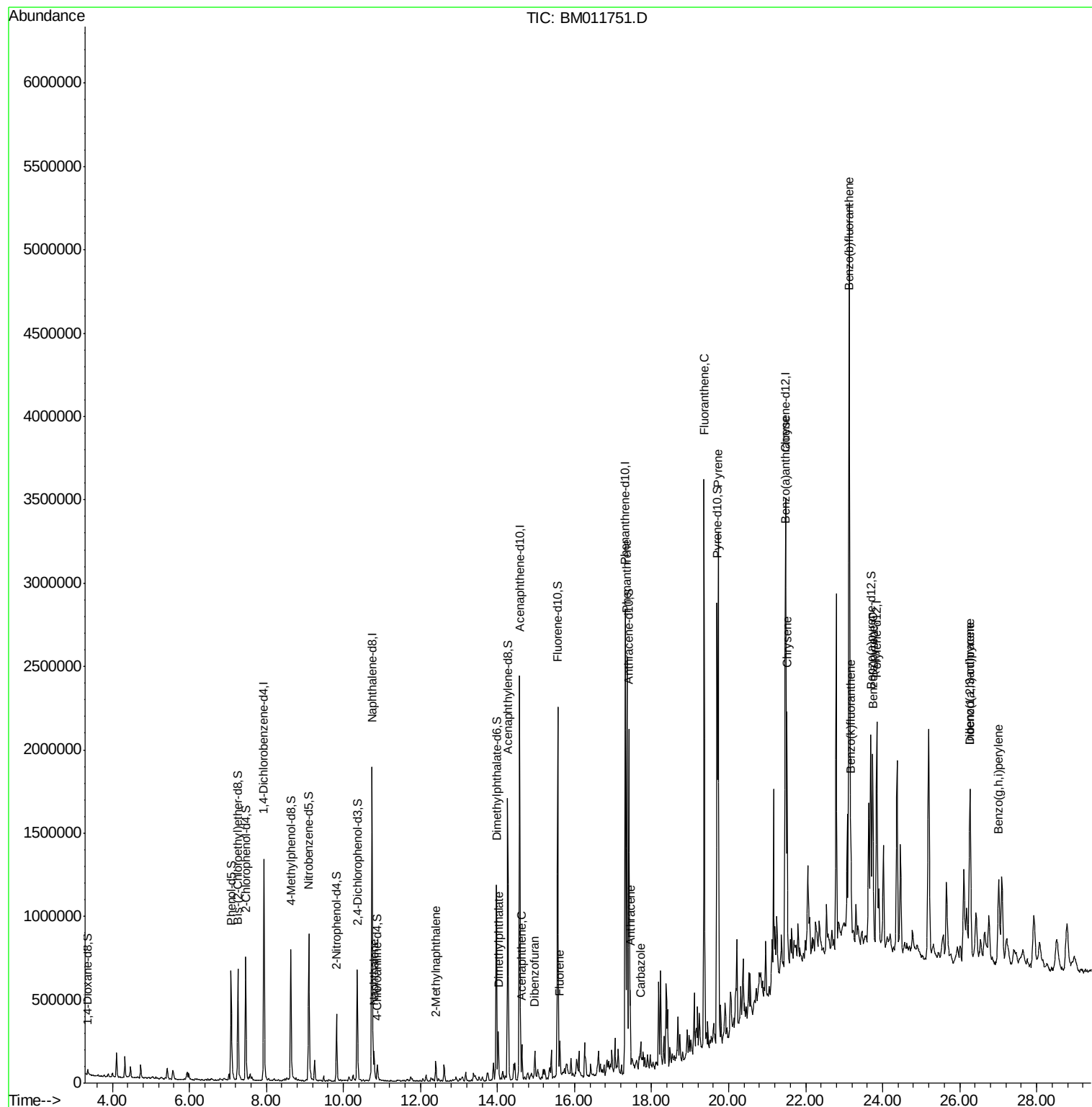
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011751.D
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ALS Vial : 29 Sample Multiplier: 1

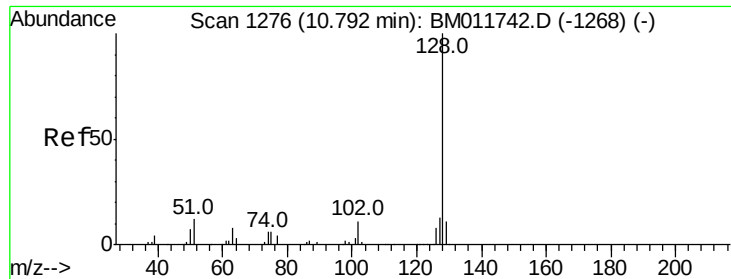
Instrument :
BNA_M
ClientSampleId :
CB3J4

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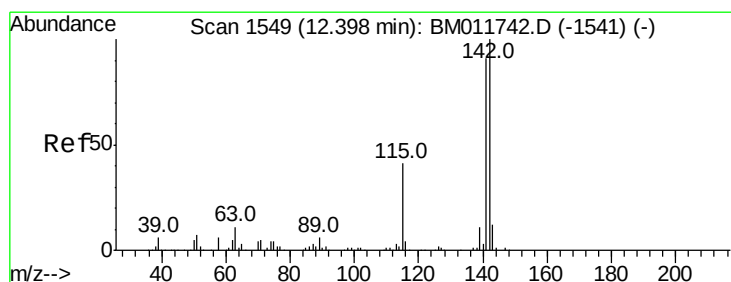
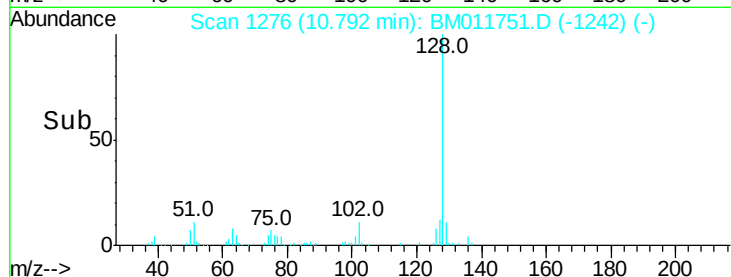
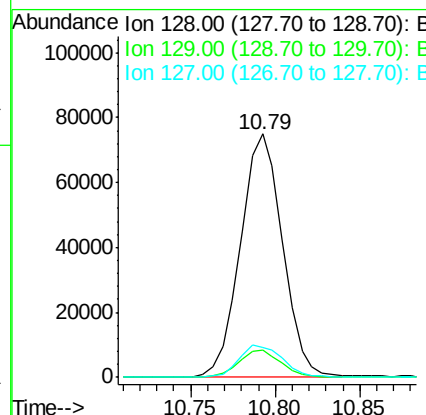
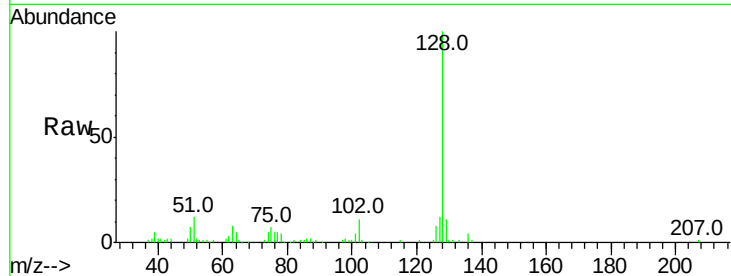
#28
Naphthalene
Concen: 1.760 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Instrument :
BNA_M
ClientSampled :
CB3J4

Tot Ion	Ratio	Resp	Lower	Upper
128	100	130273		
129	11.0		8.8	13.2
127	12.2		10.6	16.0

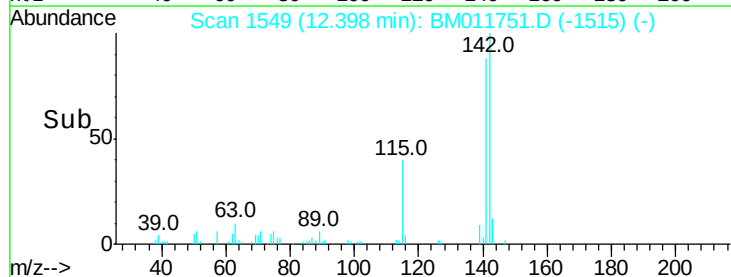
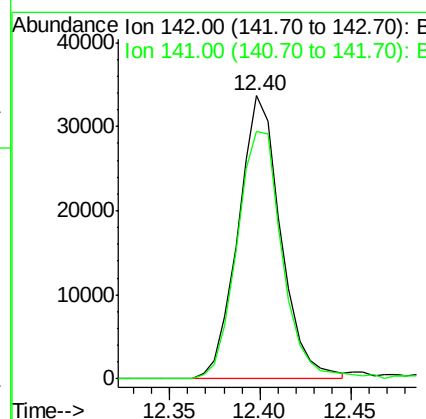
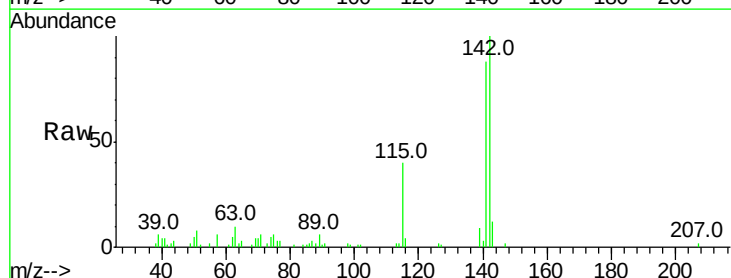
Manual Integrations
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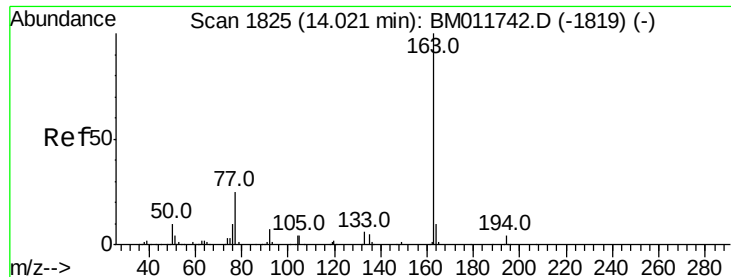
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#34
2-Methylnaphthalene
Concen: 1.047 ng/ul
RT: 12.40 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54955		
141	87.6		74.1	111.1





#44

Dimethylphthalate

Concen: 2.579 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

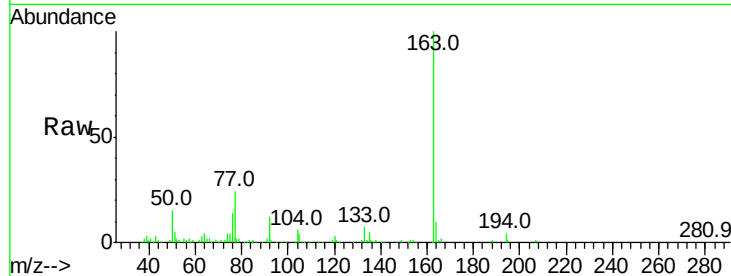
ClientSampleId :

CB3J4

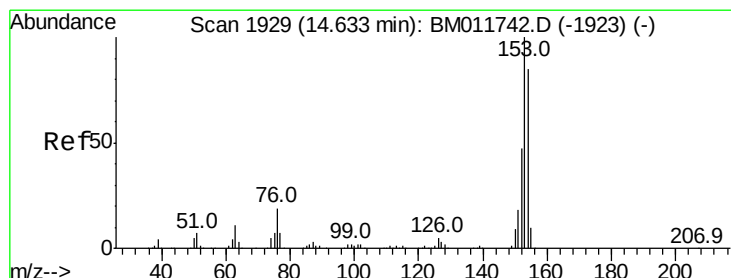
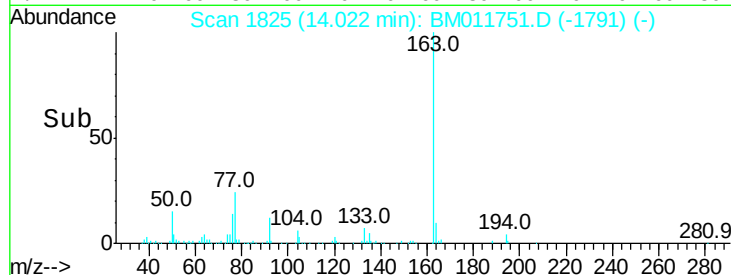
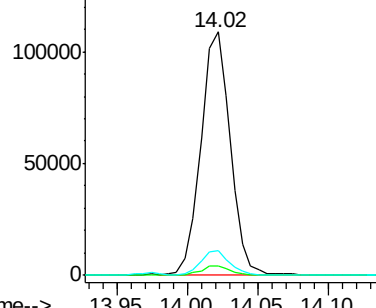
Tot Ion	163	Resp	158449
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.5	5.3
164	10.1	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.481 ng/ul

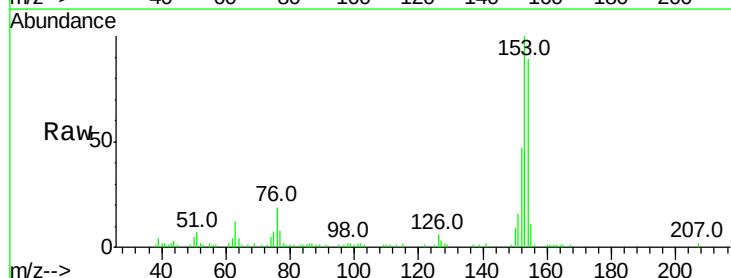
RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

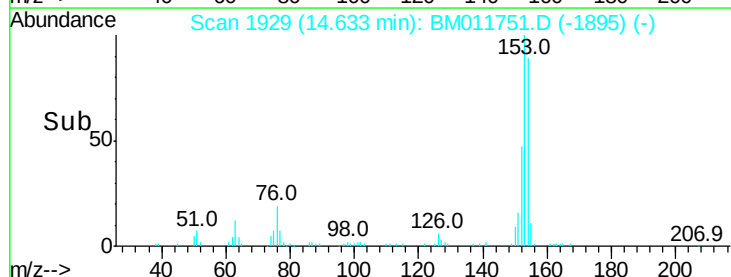
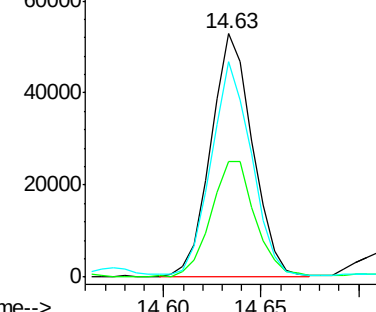
Lab File: BM011751.D

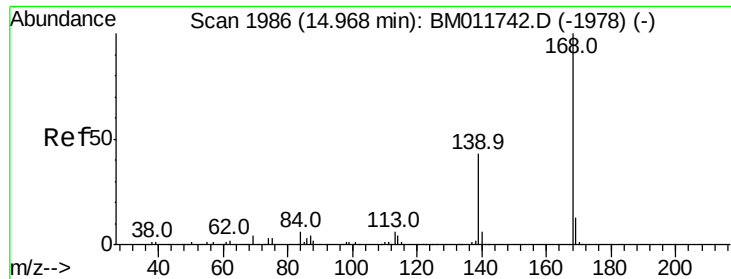
Acq: 28 Sep 2017 07:59

Tgt Ion	153	Resp	78600
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.6	56.4
154	88.6	70.4	105.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.038 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampled :

CB3J4

Tot Ion:168 Resp: 75670

Ion Ratio Lower Upper

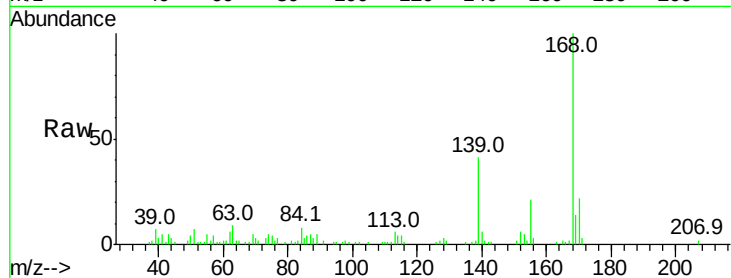
168 100

139 40.5 30.8 46.2

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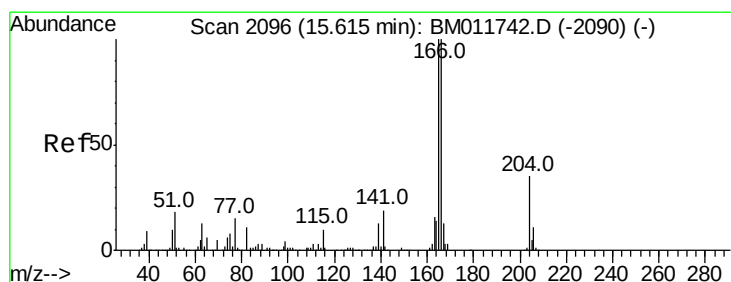
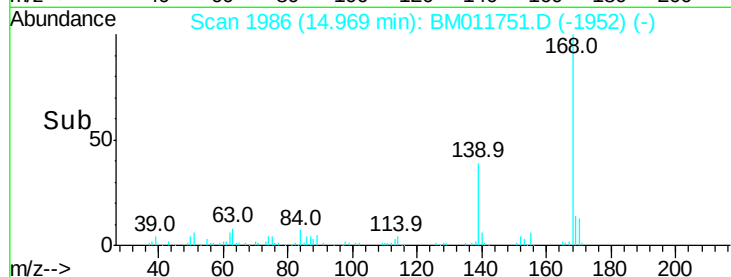
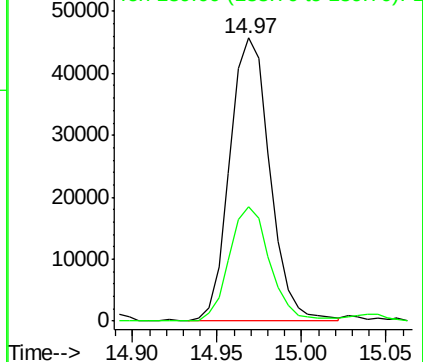
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.281 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

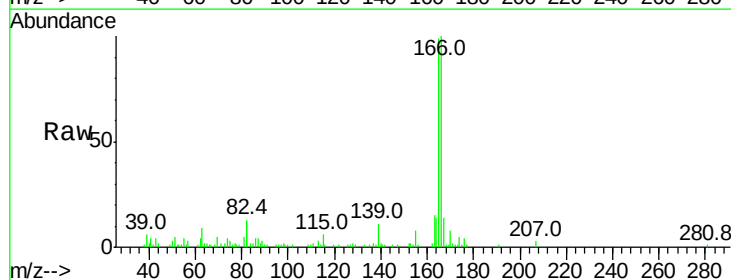
Tgt Ion:166 Resp: 79089

Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

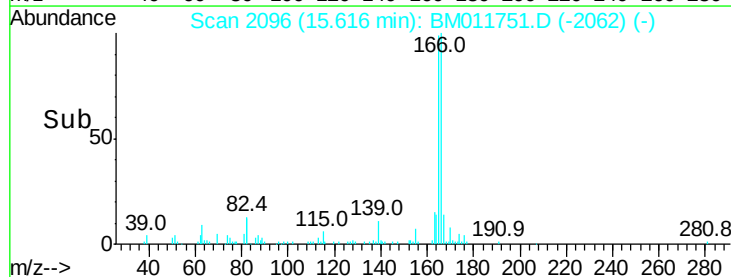
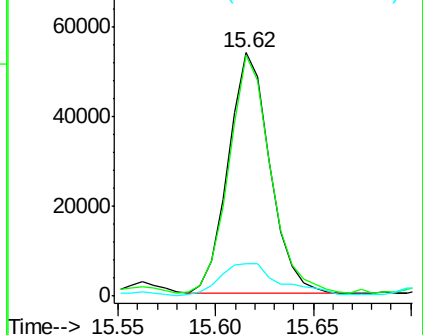
167 13.5 10.6 16.0

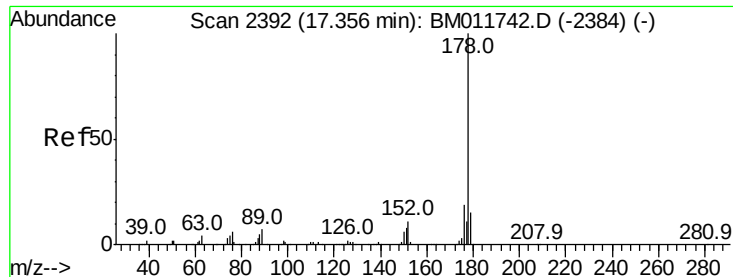


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





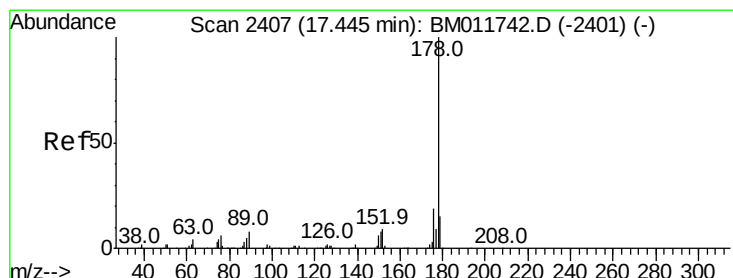
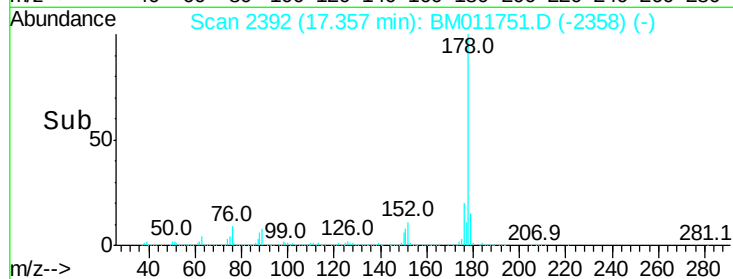
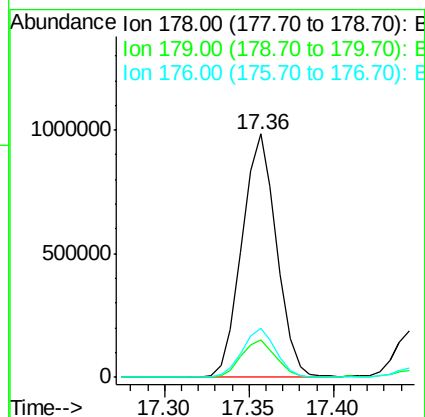
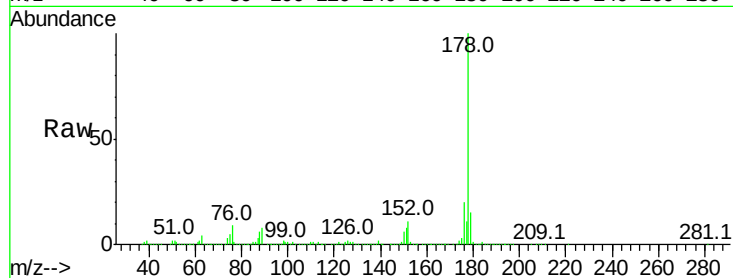
#69
 Phenanthrene
 Concen: 16.941 ng/ul
 RT: 17.36 min Scan# 2392
 Delta R.T. 0.00 min
 Lab File: BM011751.D
 Acq: 28 Sep 2017 07:59

Instrument :
 BNA_M
 ClientSampled :
 CB3J4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	20.0	14.9	22.3

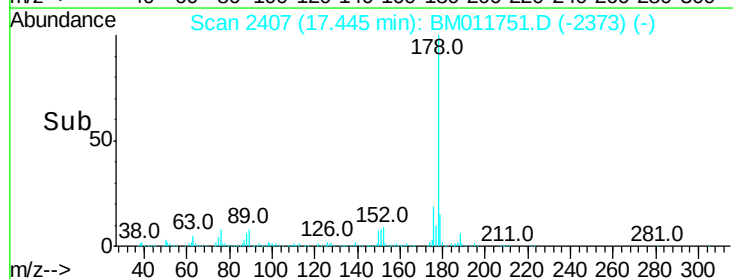
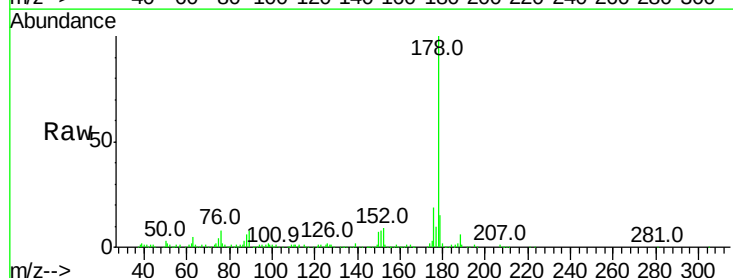
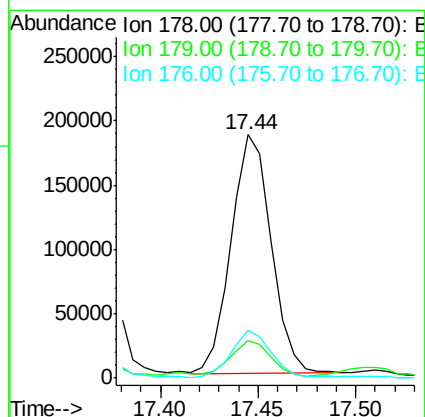
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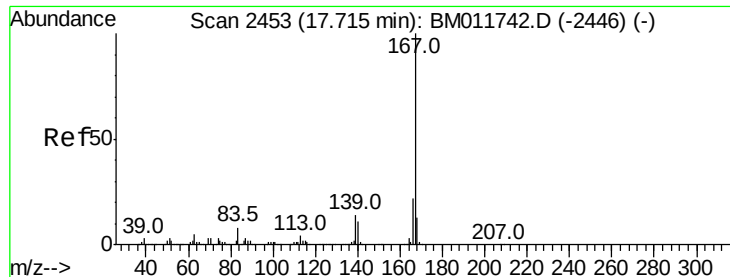
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#71
 Anthracene
 Concen: 3.099 ng/ul
 RT: 17.44 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM011751.D
 Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	19.4	14.6	21.8





#72

Carbazole

Concen: 1.223 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

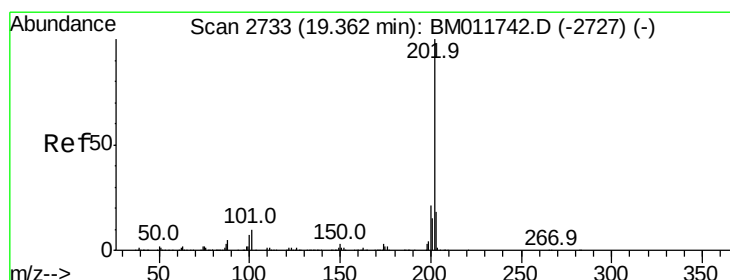
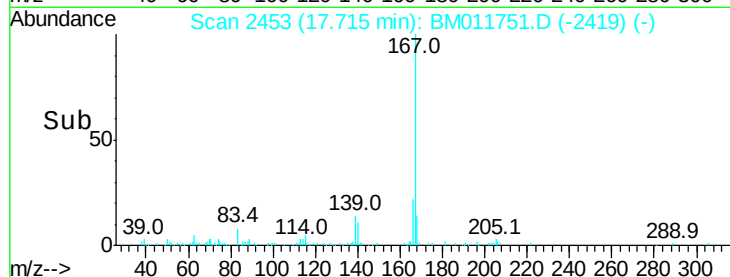
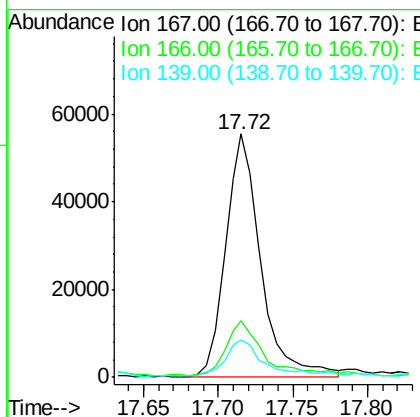
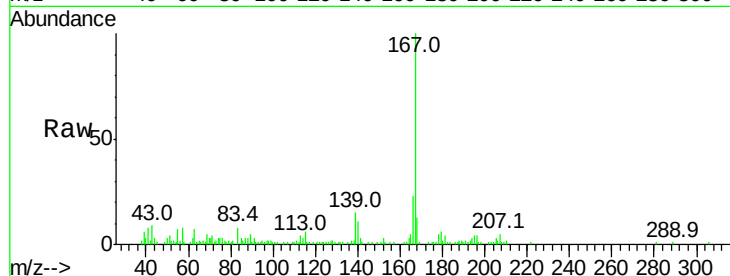
ClientSampleId :

CB3J4

Tot Ion:	167	Resp:	91536
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.1	25.7
139	15.3	10.0	15.0#

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#74

Fluoranthene

Concen: 19.155 ng/ul

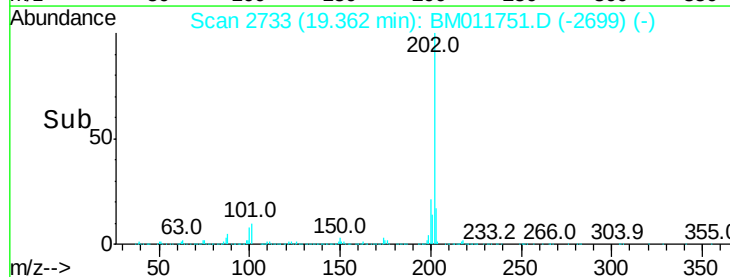
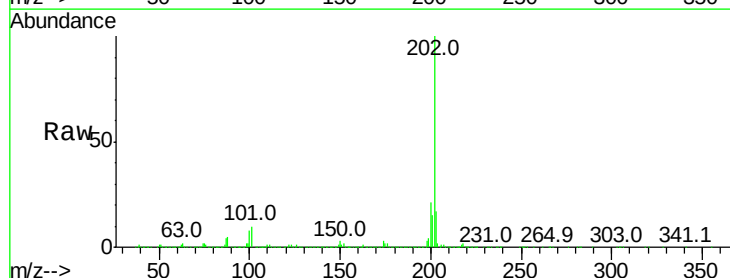
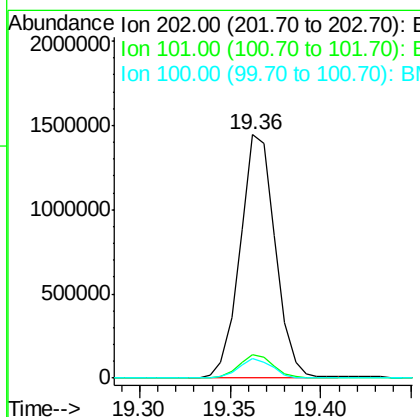
RT: 19.36 min Scan# 2733

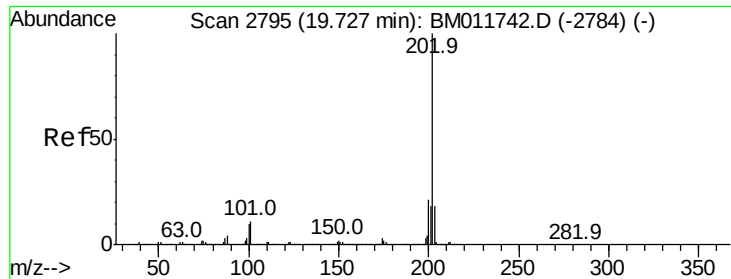
Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Tgt Ion:	202	Resp:	1939625
Ion Ratio	Lower	Upper	
202	100		
101	9.8	4.6	7.0#
100	8.1	3.4	5.2#





#77

Pvrene

Concen: 28.403 ng/ul

RT: 19.73 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

ClientSampleId :

CB3J4

Tot Ion:202 Resp: 1814846

Ion Ratio Lower Upper

202 100

101 11.8 5.1 7.7#

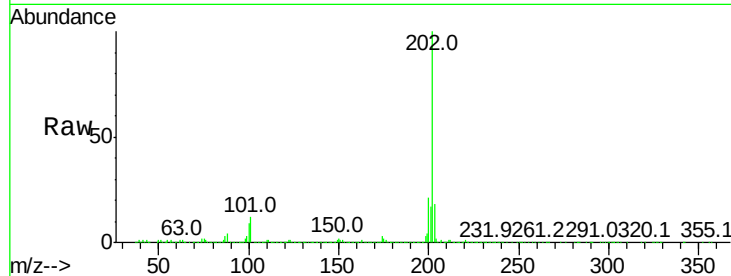
100 9.4 4.9 7.3#

Manual Integrations

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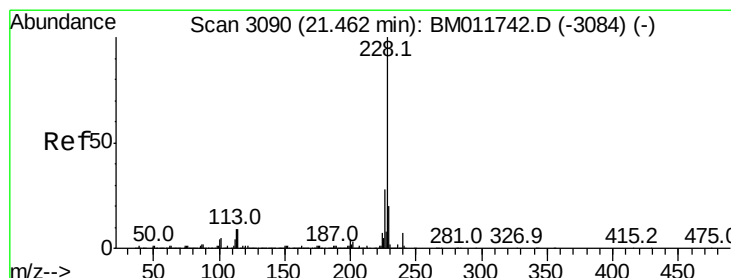
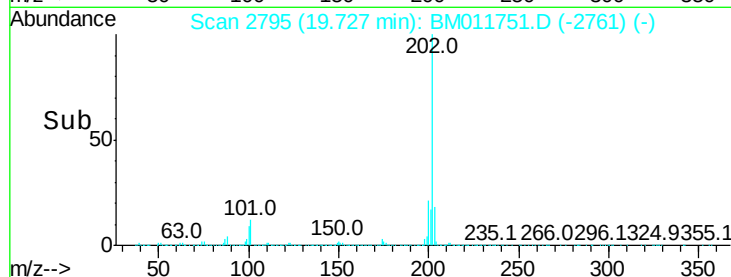
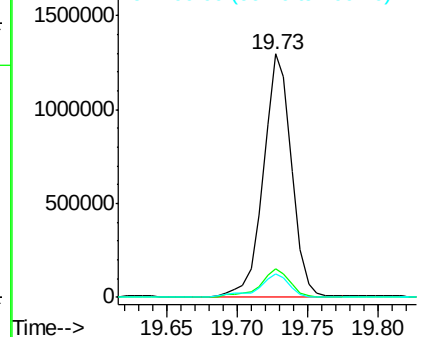
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 13.867 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

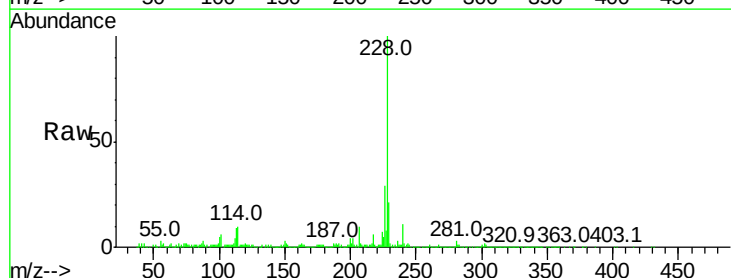
Tgt Ion:228 Resp: 831863

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

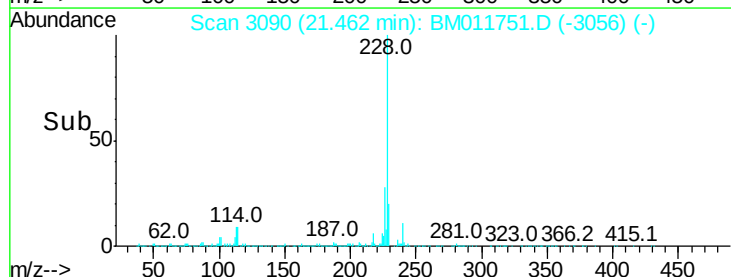
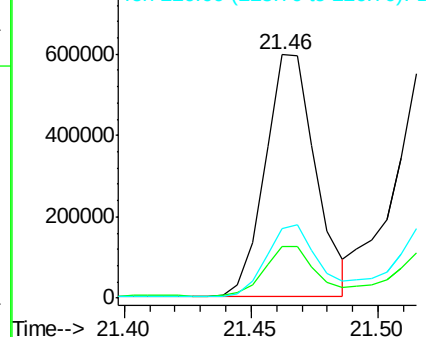
226 28.8 21.4 32.0

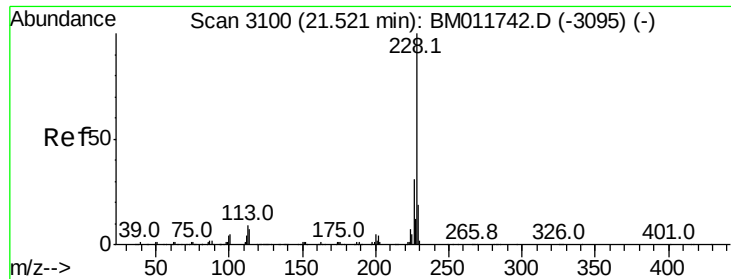


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.379 ng/ul

RT: 21.52 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Instrument :

BNA_M

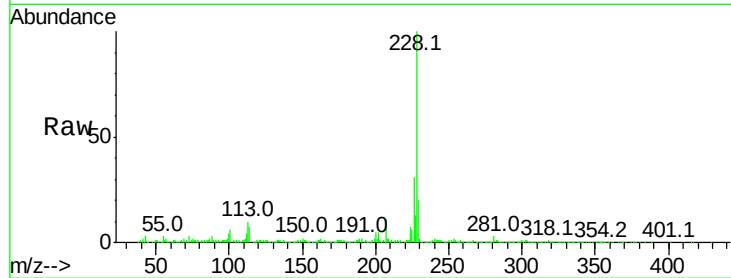
ClientSampleId :

CB3J4

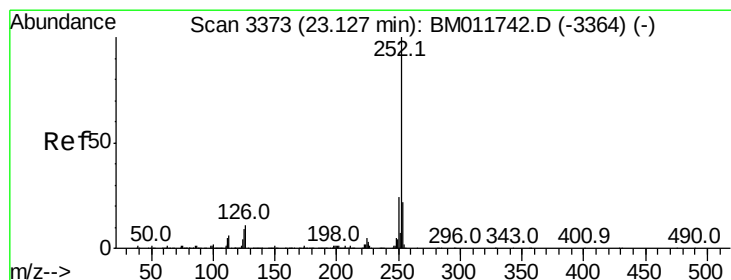
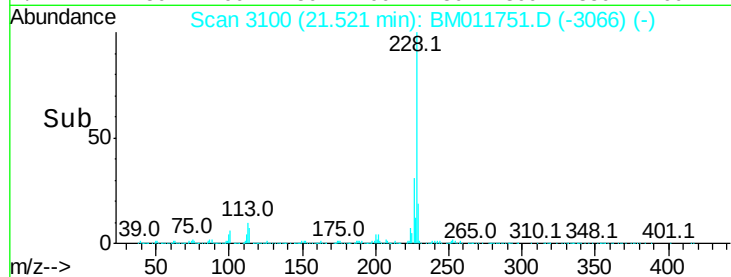
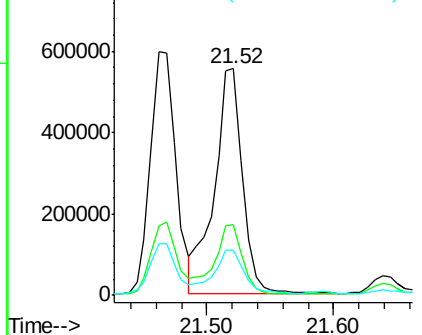
Tot Ion:	228	Resp:	870096
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.2
229	19.9	15.5	23.3

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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



#85

Benzo(b)fluoranthene

Concen: 20.766 ng/ul

RT: 23.13 min Scan# 3374

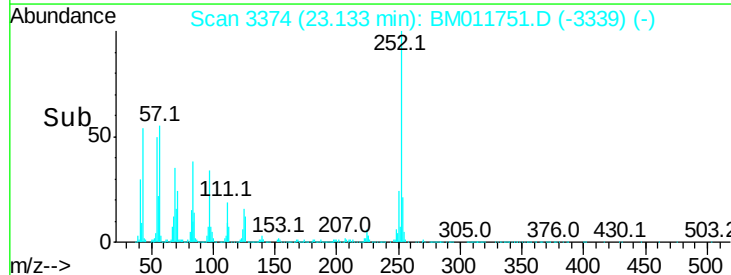
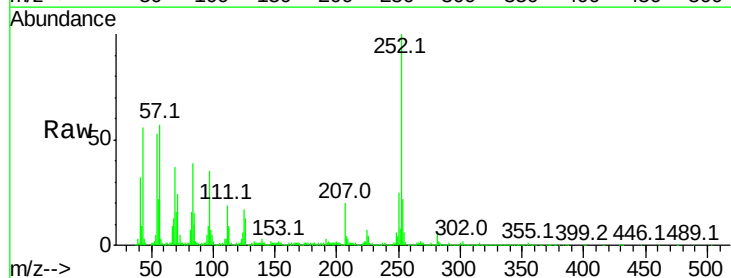
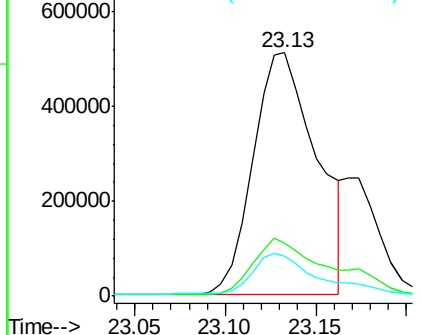
Delta R.T. 0.01 min

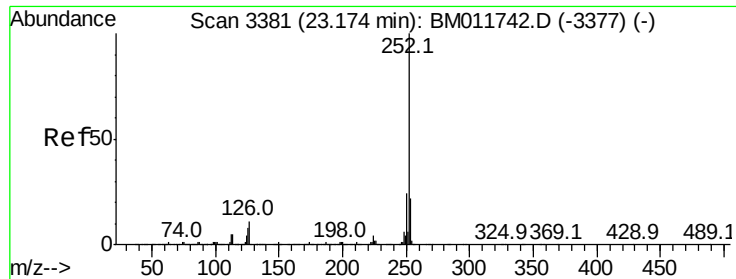
Lab File: BM011751.D

Acq: 28 Sep 2017 07:59

Tgt Ion:	252	Resp:	1250132
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.9	26.9
125	16.5	3.6	5.4#

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





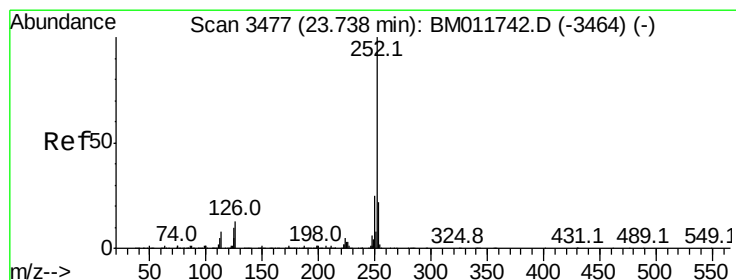
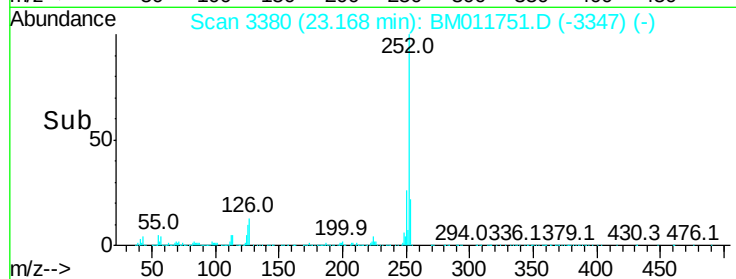
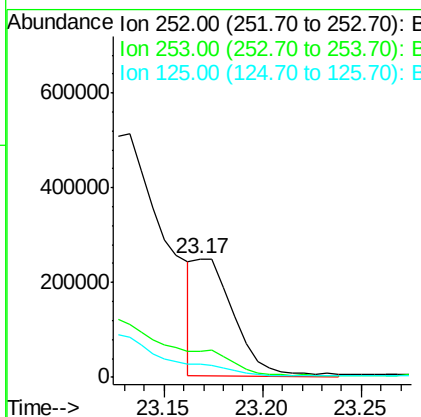
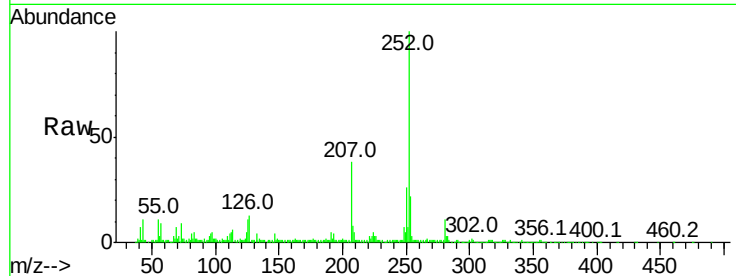
#86
Benzo(k)fluoranthene
Concen: 5.572 ng/ul m
RT: 23.17 min Scan# 3380
Delta R.T. -0.01 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Instrument :
BNA_M
ClientSampled :
CB3J4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.4	3.4	5.2

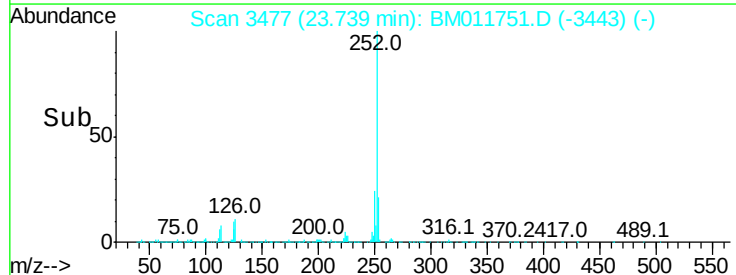
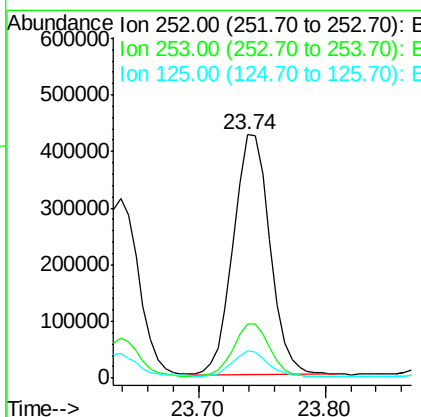
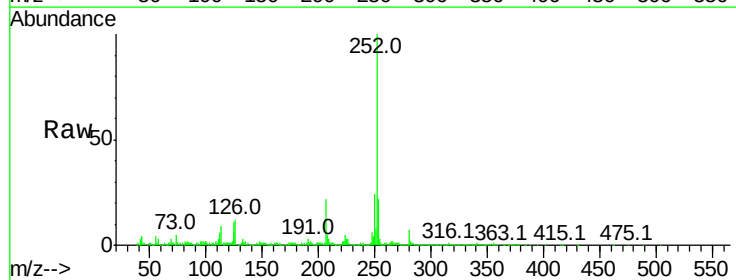
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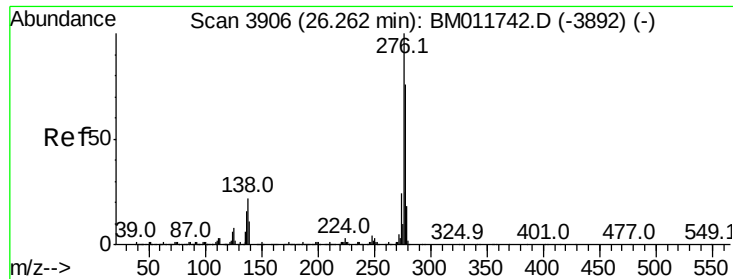
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#88
Benzo(a)pyrene
Concen: 14.678 ng/ul
RT: 23.74 min Scan# 3477
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.2	4.0	6.0





#89

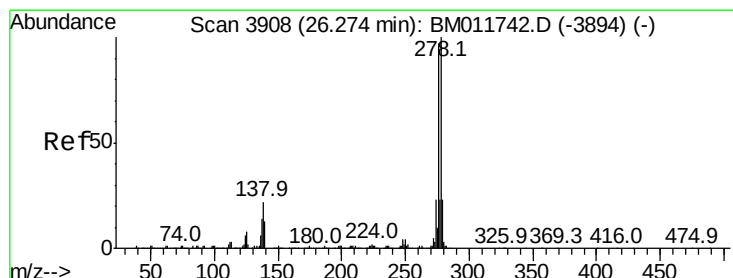
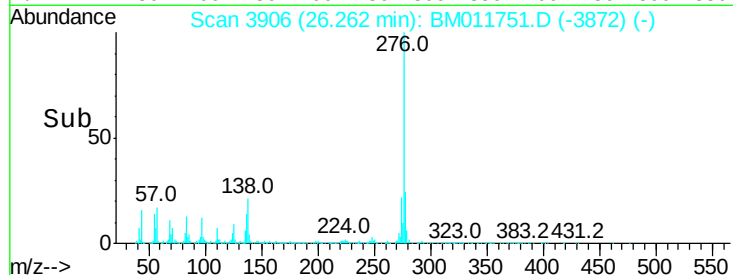
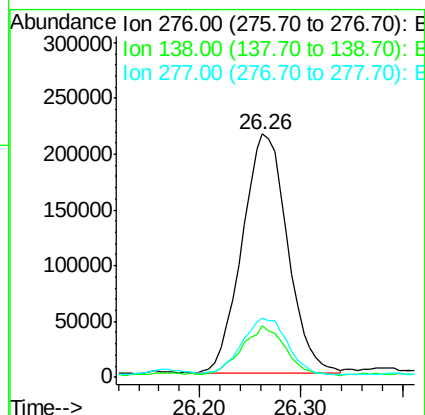
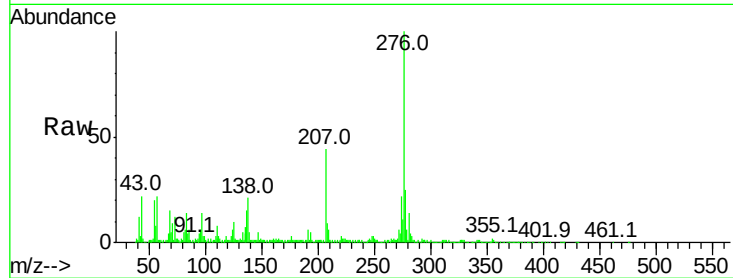
Indeno(1,2,3-cd)pyrene
Concen: 11.048 ng/ul
RT: 26.26 min Scan# 3906
Delta R.T. 0.00 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Instrument :
BNA_M
ClientSampled :
CB3J4

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	9.3	13.9#
277	24.6	19.9	29.9

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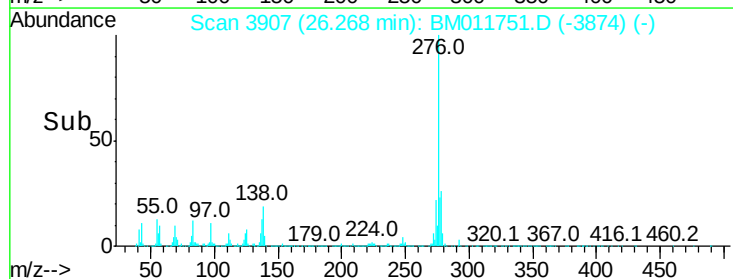
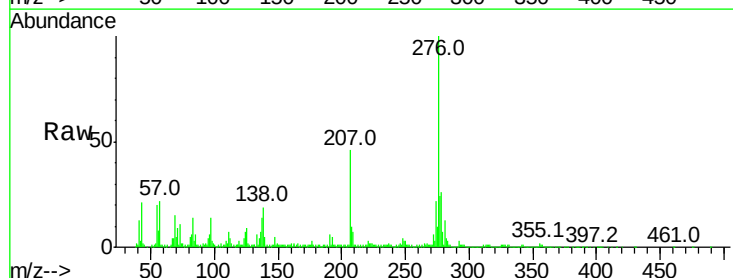
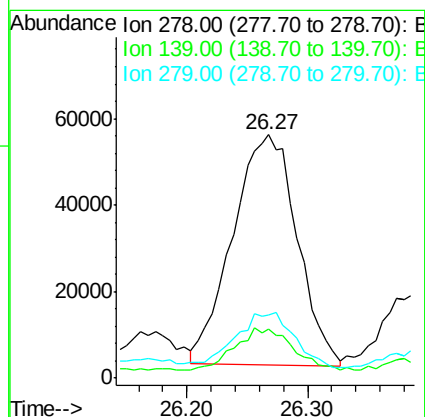
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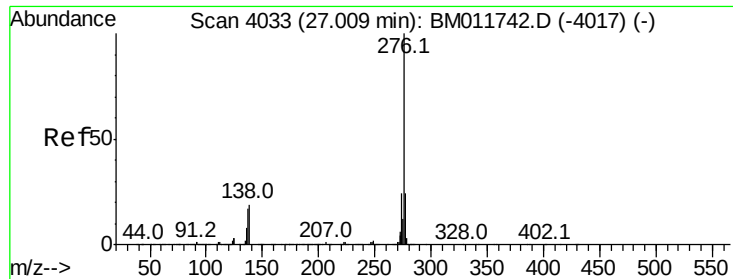


#90

Dibenzo(a,h)anthracene
Concen: 3.896 ng/ul
RT: 26.27 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM011751.D
Acq: 28 Sep 2017 07:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	5.8	8.8#
279	25.9	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 13.497 ng/ul
 RT: 27.01 min Scan# 4033
 Delta R.T. 0.00 min
 Lab File: BM011751.D
 Acq: 28 Sep 2017 07:59

Instrument :
 BNA_M
 ClientSampleId :
 CB3J4

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	8.5	12.7#
277	23.8	18.6	28.0

Manual Integrations
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