

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011749.D
 Acq On : 28 Sep 2017 06:47
 Operator : SJ/JU
 Sample : I5377-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3F4

Manual Integrations
 APPROVED

Sohil
 9/29/2017 2:23:14 PM

Quant Time: Sep 28 07:59:26 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	308933	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	1367676	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	730878	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1512025	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1119423	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	999021	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.36	96	17863	2.58	ng/uL	0.00
5) Phenol-d5	7.09	99	438266	14.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	335645	15.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	356964	15.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	340798	14.32	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	176958	16.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	189624	16.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	347699	16.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	273942	11.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1094124	17.45	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1297971	17.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	128754m	12.02	ng/ul	0.00
57) Fluorene-d10	15.56	176	915518	16.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	106372	10.39	ng/ul	0.00
70) Anthracene-d10	17.41	188	1300928	16.91	ng/ul	0.00
76) Pyrene-d10	19.70	212	1307296	24.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	823369	17.21	ng/ul	0.00
Target Compounds						
28) Naphthalene	10.79	128	73597	1.030	ng/ul	99
44) Dimethylphthalate	14.02	163	205479	3.427	ng/ul	99
49) Acenaphthene	14.63	153	112312	2.169	ng/ul	99
53) Dibenzofuran	14.97	168	92295	1.298	ng/ul	99
58) Fluorene	15.62	166	116405	1.933	ng/ul	98
69) Phenanthrene	17.36	178	2074092	24.509	ng/ul	98
71) Anthracene	17.44	178	367037	4.210	ng/ul	99
72) Carbazole	17.72	167	171385	2.244	ng/ul	97
74) Fluoranthene	19.37	202	2944003	28.493	ng/ul#	91
77) Pyrene	19.73	202	2602165	39.008	ng/ul#	88
80) Benzo(a)anthracene	21.46	228	1072070	17.118	ng/ul	97
82) Chrysene	21.52	228	1032370	17.478	ng/ul	96
85) Benzo(b)fluoranthene	23.13	252	1125673	19.097	ng/ul#	95
86) Benzo(k)fluoranthene	23.16	252	409897m	6.817	ng/ul	
88) Benzo(a)pyrene	23.74	252	748404	13.146	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.26	276	503995	8.503	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.26	278	131756	2.654	ng/ul#	89
91) Benzo(g,h,i)perylene	27.00	276	452733	9.202	ng/ul#	86

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

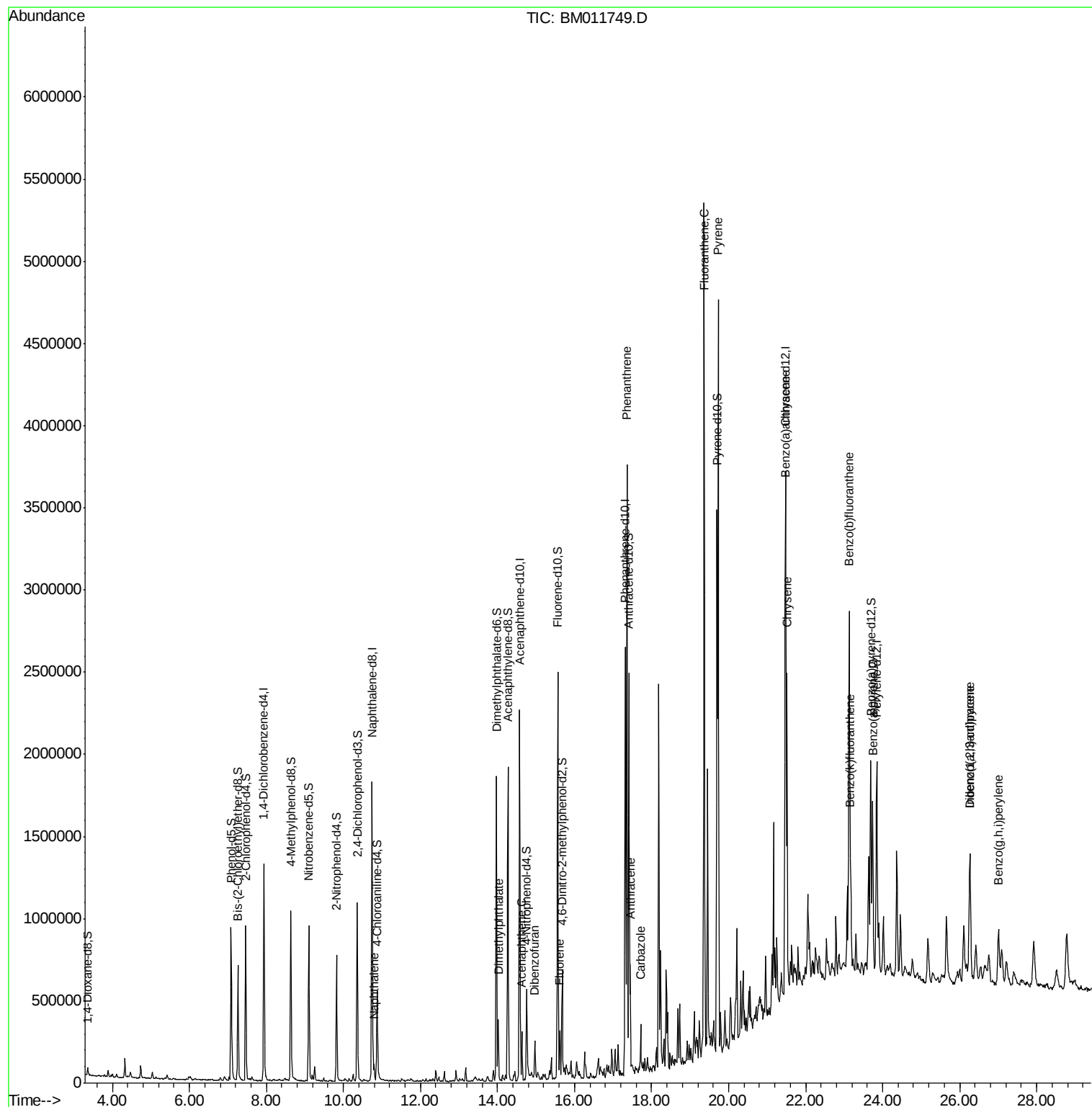
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
Data File : BM011749.D
Acq On : 28 Sep 2017 06:47
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Misc :
ALS Vial : 27 Sample Multiplier: 1

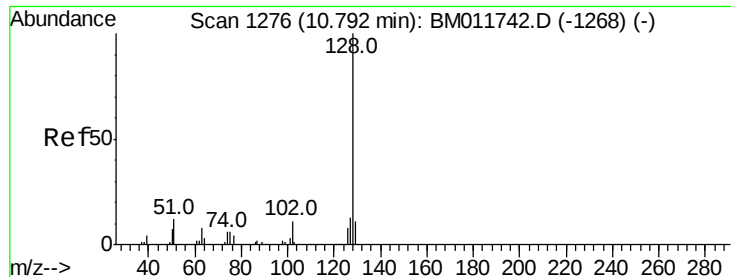
Instrument :
BNA_M
ClientSampleId :
CB3F4

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION
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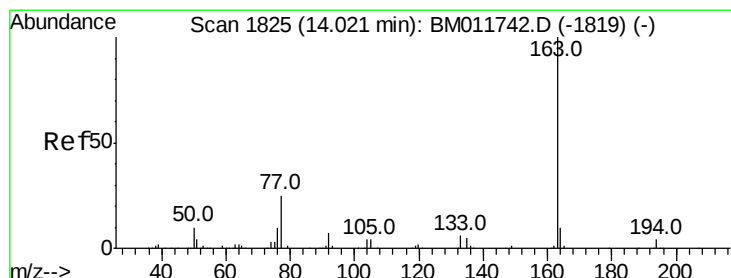
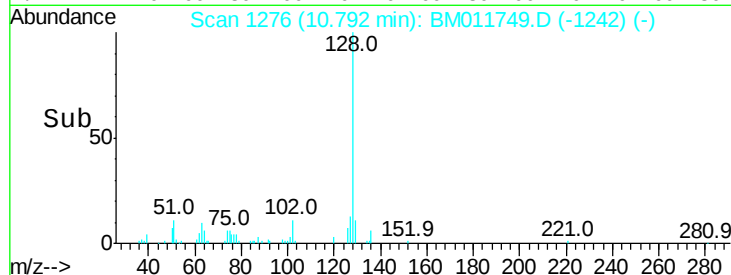
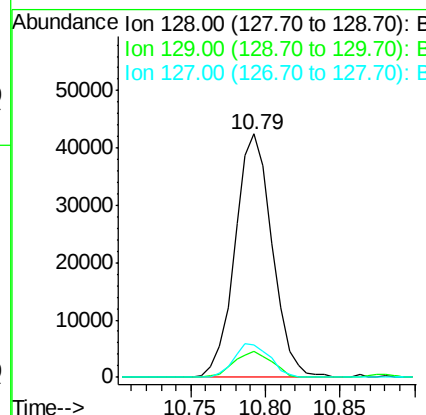
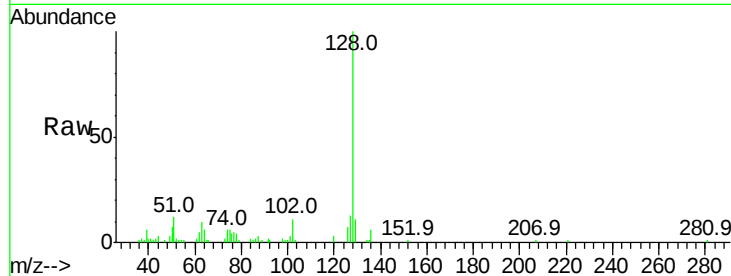
#28
Naphthalene
Concen: 1.030 ng/ul
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BM011749.D
Acq: 28 Sep 2017 06:47

Instrument :
BNA_M
ClientSampled :
CB3F4

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.6	16.0

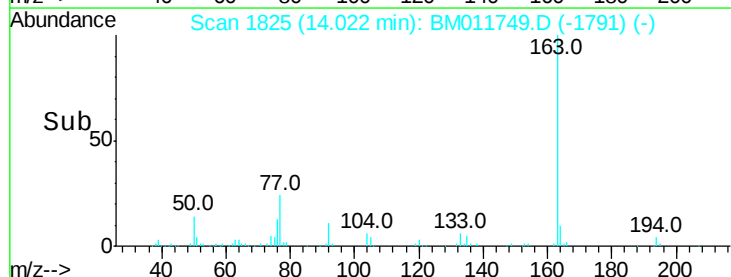
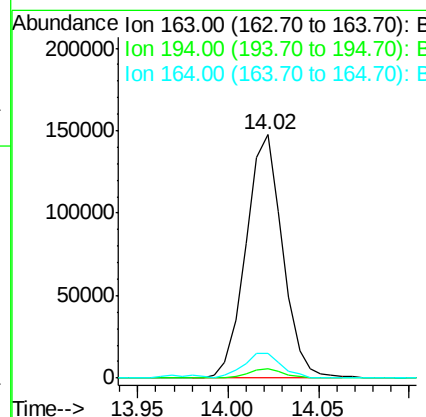
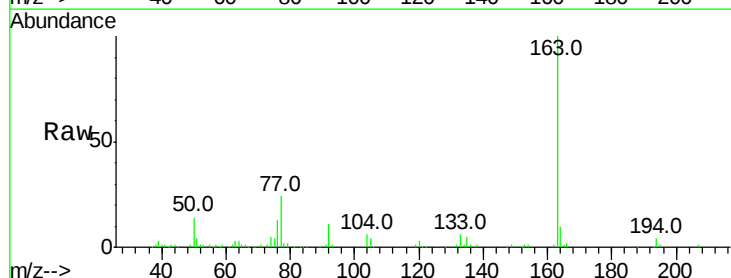
Manual Integrations
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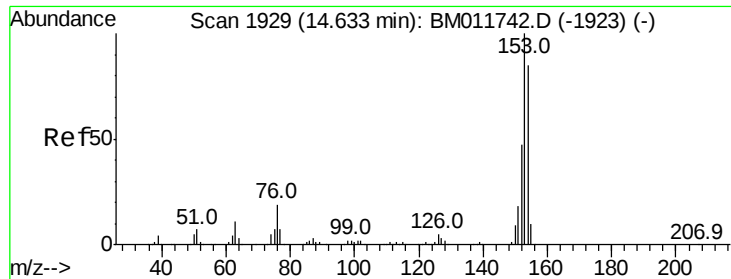
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#44
Dimethylphthalate
Concen: 3.427 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM011749.D
Acq: 28 Sep 2017 06:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	9.9	8.2	12.4





#49

Acenaphthene

Concen: 2.169 ng/ul

RT: 14.63 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

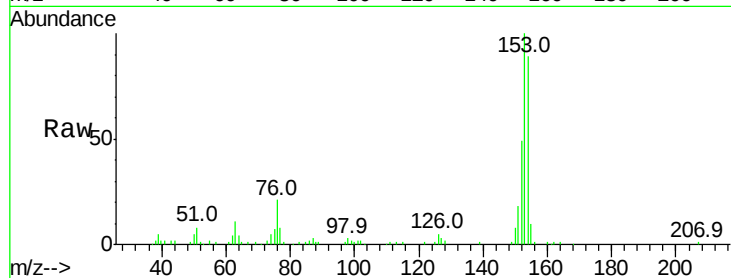
ClientSampled :

CB3F4

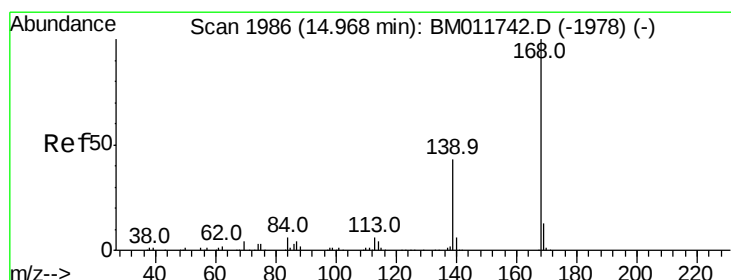
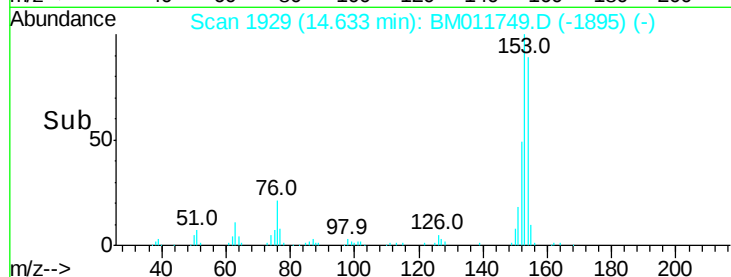
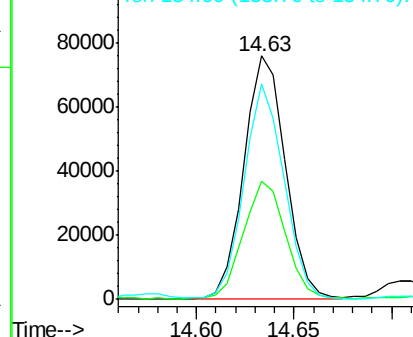
Tot Ion:	153	Resp:	112312
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.6	56.4
154	88.7	70.4	105.6

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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

Dibenzofuran

Concen: 1.298 ng/ul

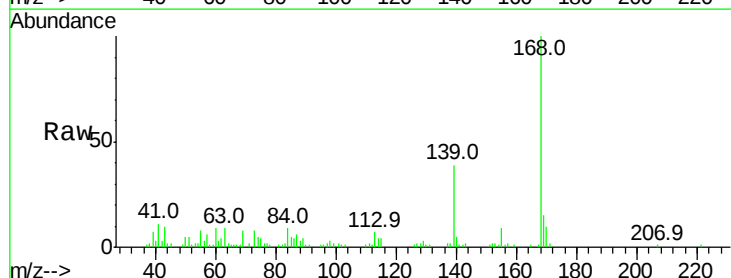
RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

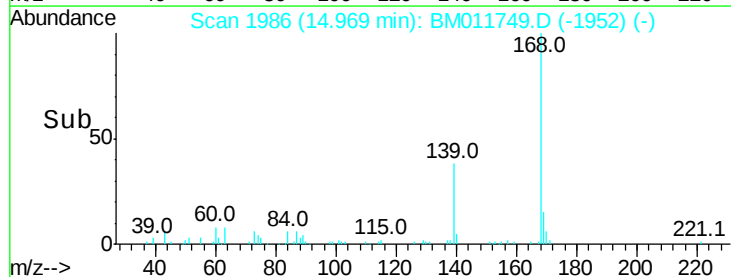
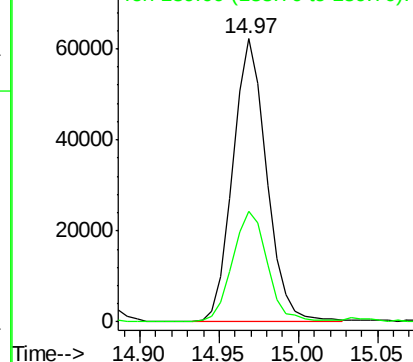
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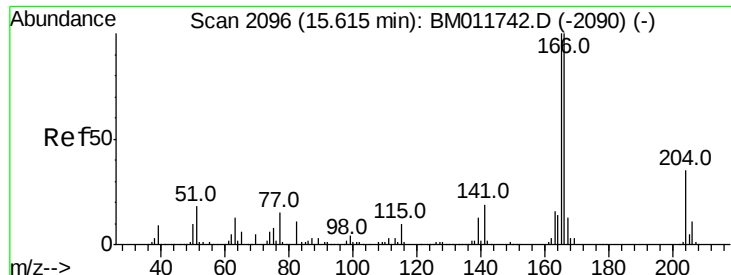
Acq: 28 Sep 2017 06:47

Tgt Ion:	168	Resp:	92295
Ion Ratio	Lower	Upper	
168	100		
139	39.1	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





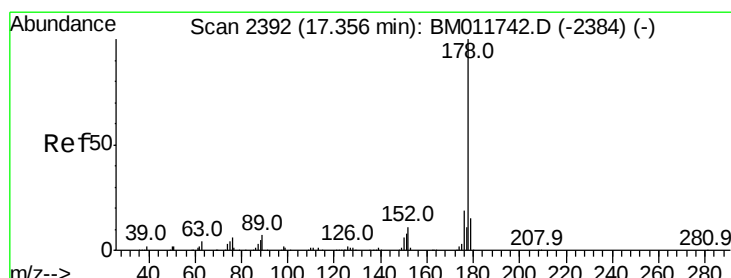
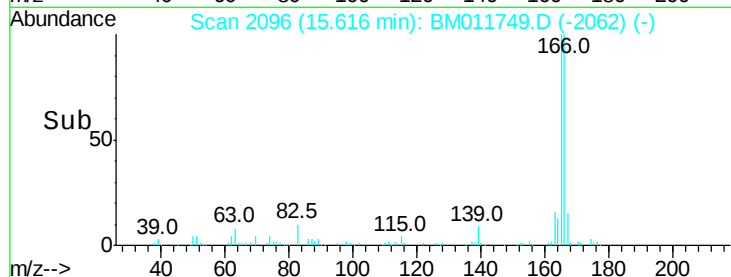
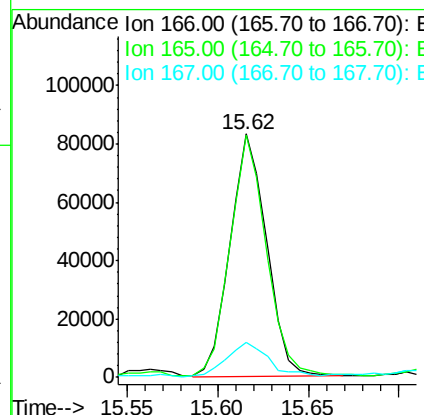
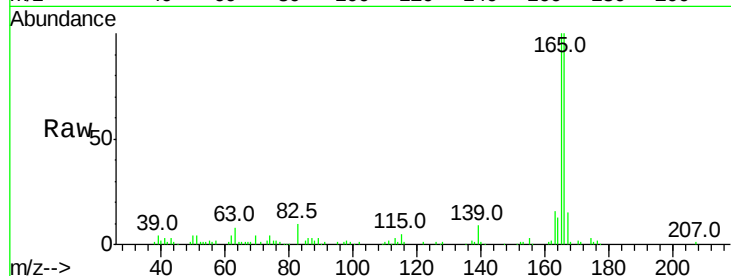
#58
Fluorene
 Concen: 1.933 ng/ul
 RT: 15.62 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Instrument :
 BNA_M
 ClientSampleId :
 CB3F4

Tot Ion	Ratio	Resp	Lower	Upper
166	100	116405		
165	99.7	77.9	116.9	
167	14.5	10.6	16.0	

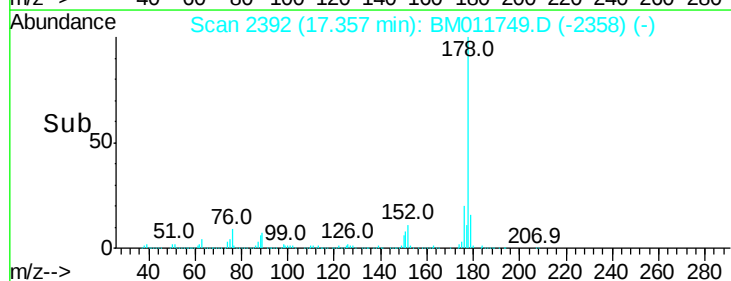
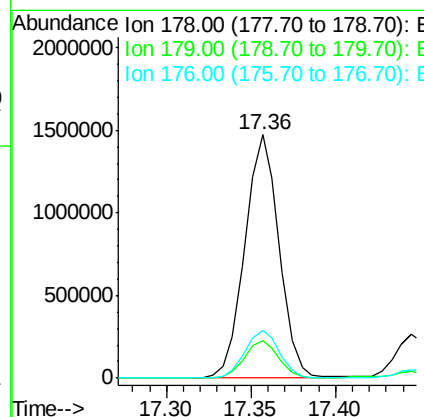
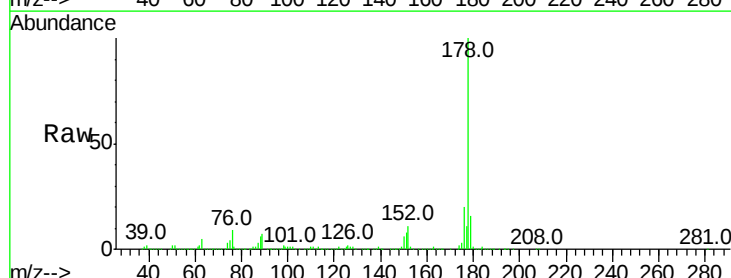
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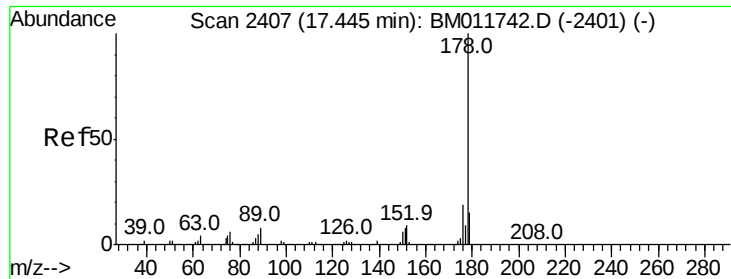
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#69
Phenanthrene
 Concen: 24.509 ng/ul
 RT: 17.36 min Scan# 2392
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2074092		
179	15.7	12.6	19.0	
176	19.7	14.9	22.3	





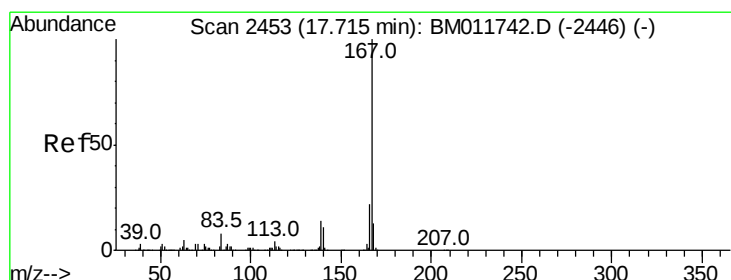
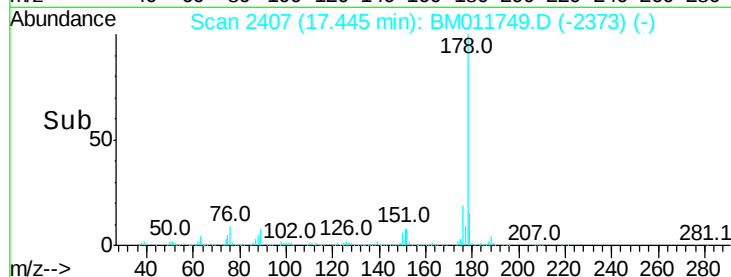
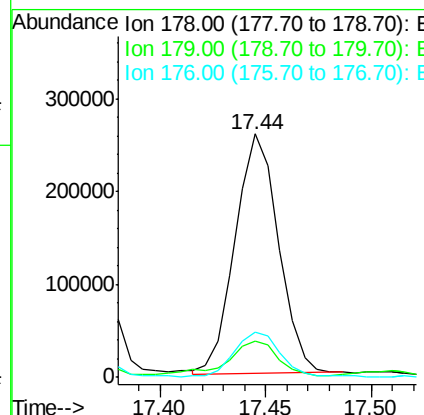
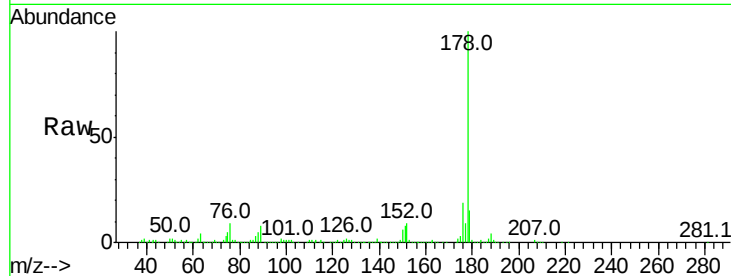
#71
 Anthracene
 Concen: 4.210 ng/ul
 RT: 17.44 min Scan# 2407
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Instrument :
 BNA_M
 ClientSampleId :
 CB3F4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.7	14.6	21.8

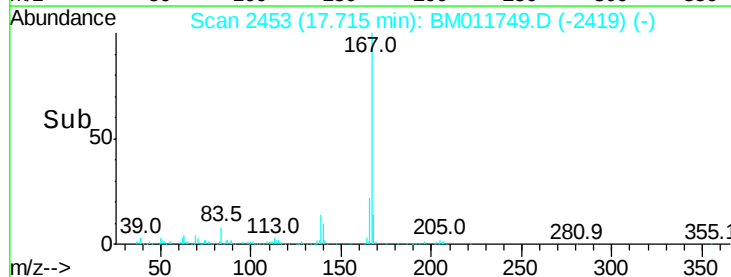
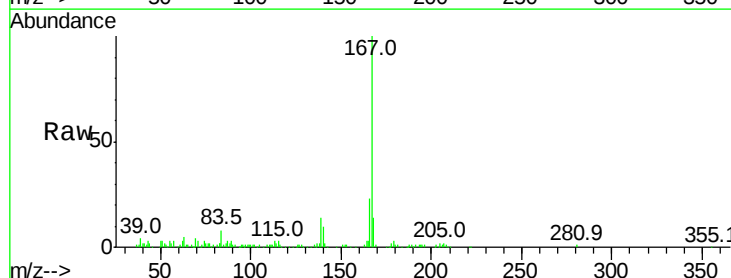
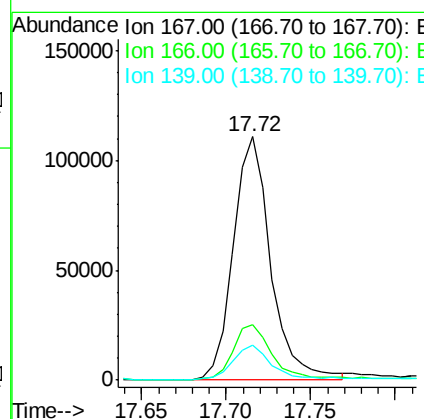
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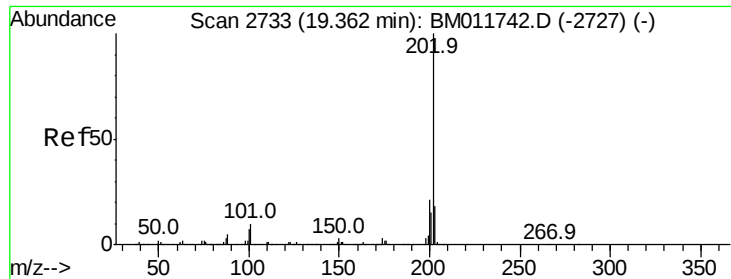
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#72
 Carbazole
 Concen: 2.244 ng/ul
 RT: 17.72 min Scan# 2453
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.1	25.7
139	14.3	10.0	15.0





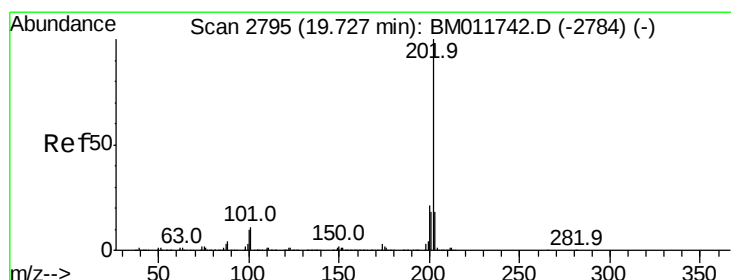
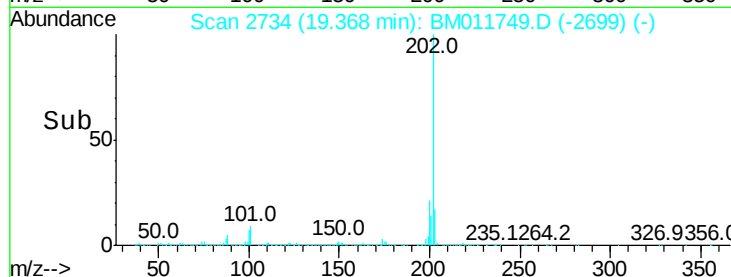
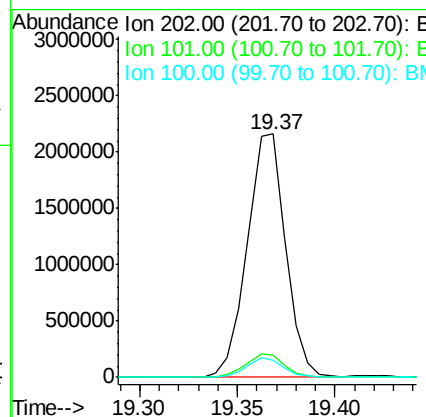
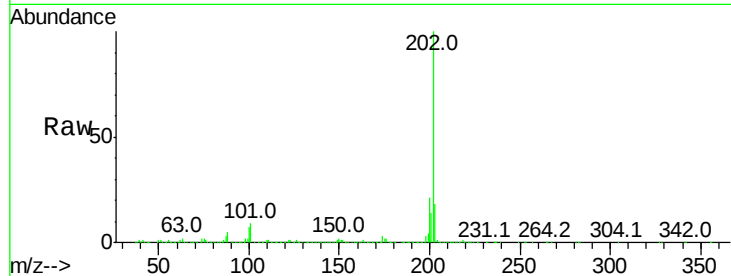
#74
 Fluoranthene
 Concen: 28.493 ng/ul
 RT: 19.37 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Instrument :
 BNA_M
 ClientSampleId :
 CB3F4

Tot Ion:	202	Resp:	2944003
Ion Ratio	Lower	Upper	
202	100		
101	8.9	4.6	7.0#
100	6.8	3.4	5.2#

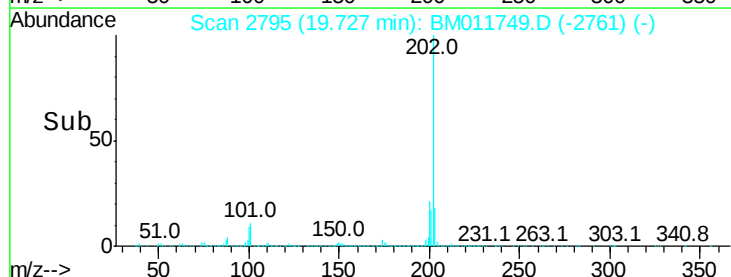
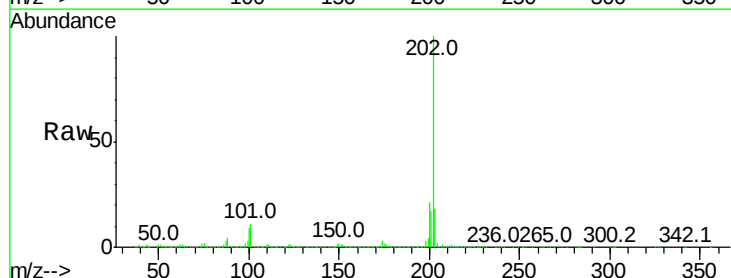
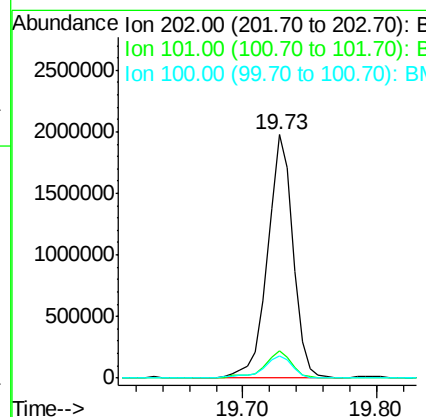
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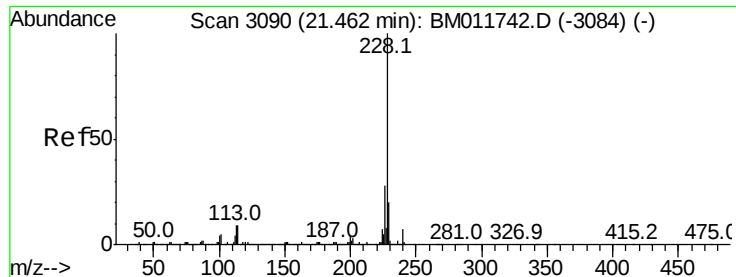
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#77
 Pyrene
 Concen: 39.008 ng/ul
 RT: 19.73 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BM011749.D
 Acq: 28 Sep 2017 06:47

Tgt Ion:	202	Resp:	2602165
Ion Ratio	Lower	Upper	
202	100		
101	11.4	5.1	7.7#
100	9.3	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 17.118 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampled :

CB3F4

Tot Ion:228 Resp: 1072070

Ion Ratio Lower Upper

228 100

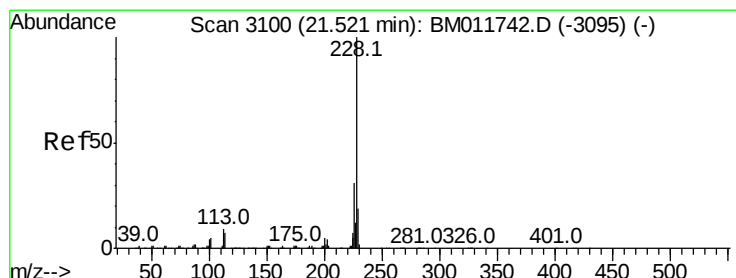
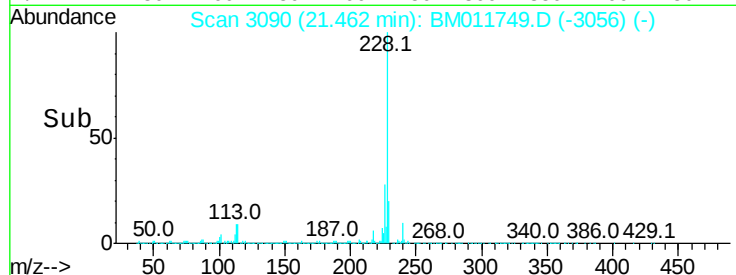
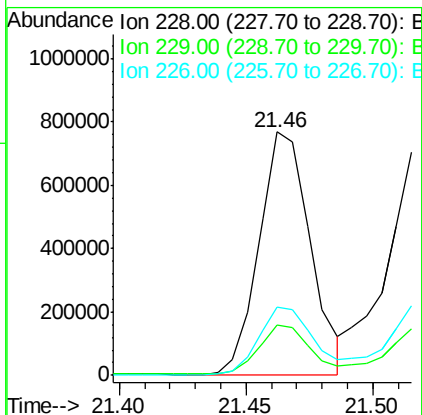
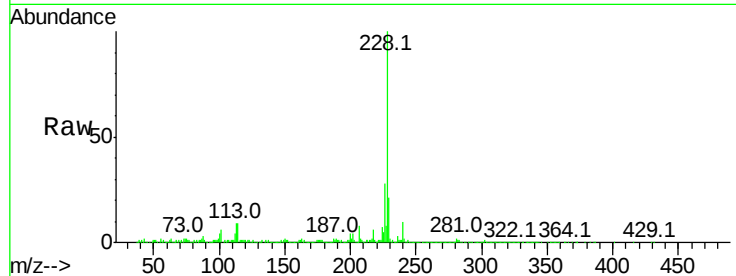
229 20.6 15.4 23.0

226 28.2 21.4 32.0

Manual Integrations
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#82

Chrysene

Concen: 17.478 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

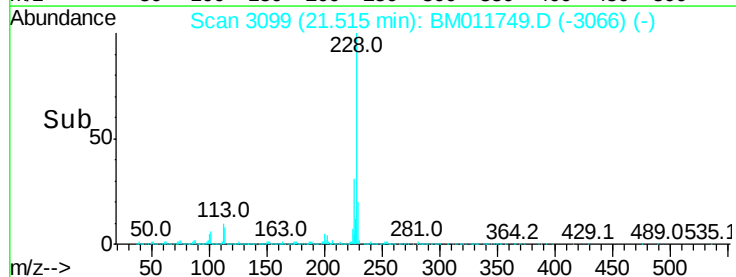
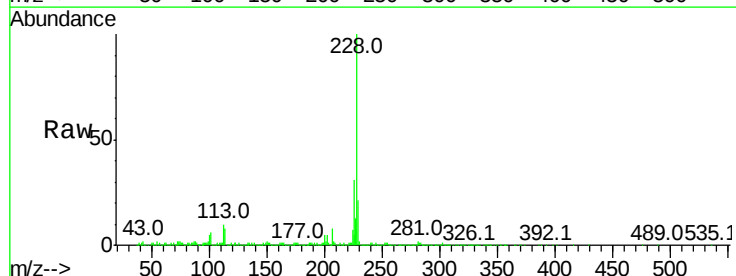
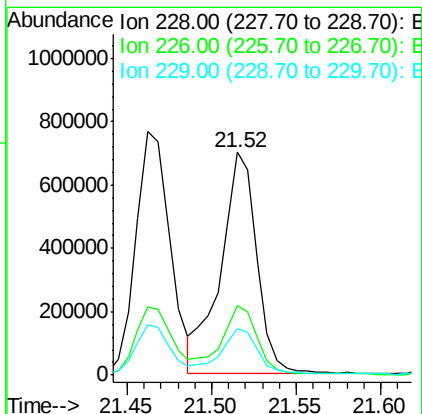
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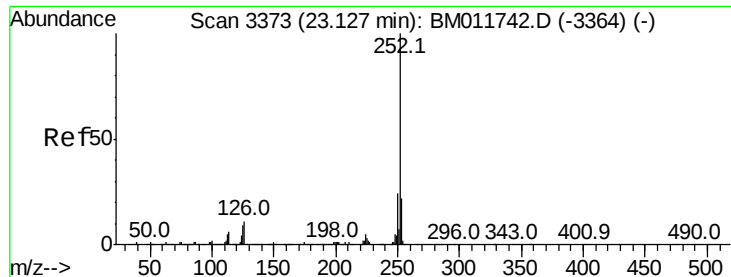
Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.2

229 20.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 19.097 ng/ul

RT: 23.13 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

ClientSampleId :

CB3F4

Tot Ion:252 Resp: 1125673

Ion Ratio Lower Upper

252 100

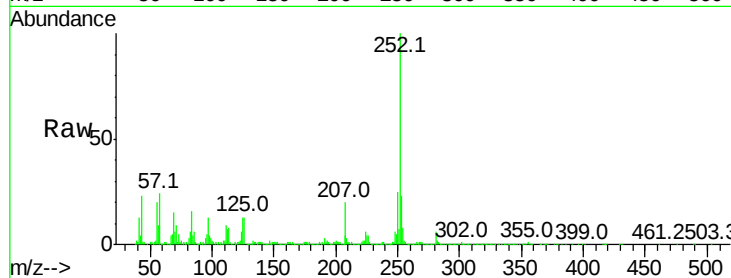
253 23.1 17.9 26.9

125 12.7 3.6 5.4#

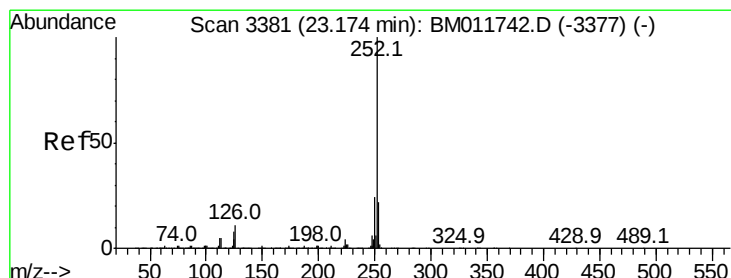
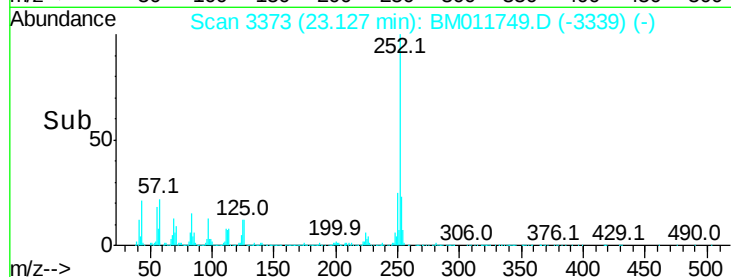
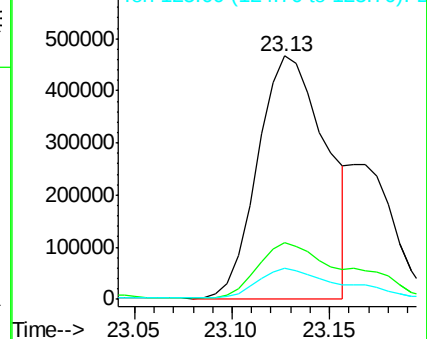
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 6.817 ng/ul m

RT: 23.16 min Scan# 3379

Delta R.T. -0.01 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Tgt Ion:252 Resp: 409897

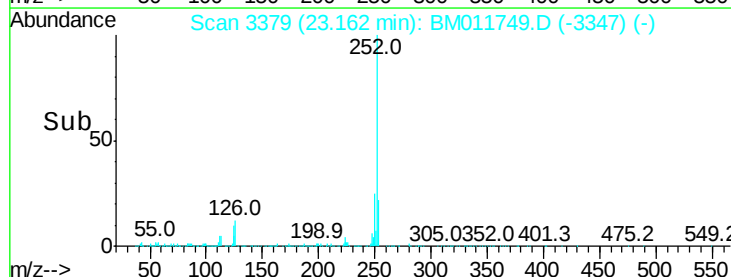
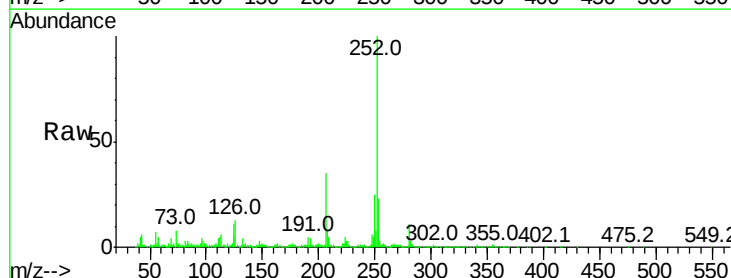
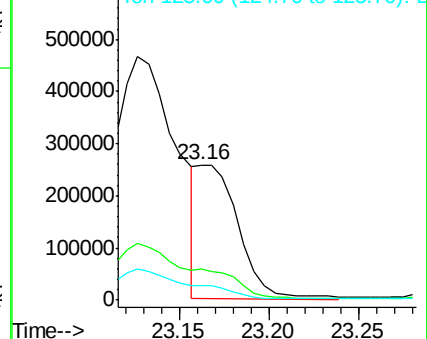
Ion Ratio Lower Upper

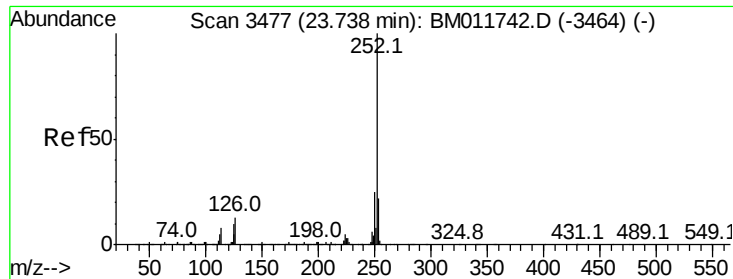
252 100

253 22.9 17.1 25.7

125 10.5 3.4 5.2#

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





#88

Benzo(a)pyrene

Concen: 13.146 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Instrument :

BNA_M

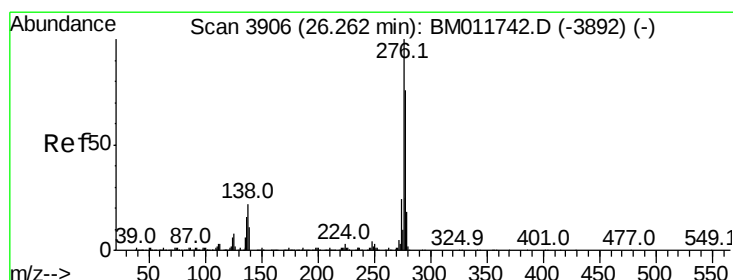
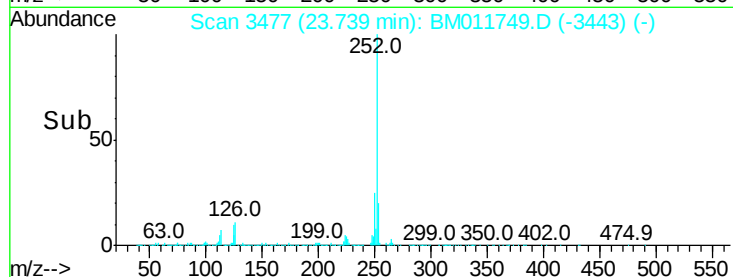
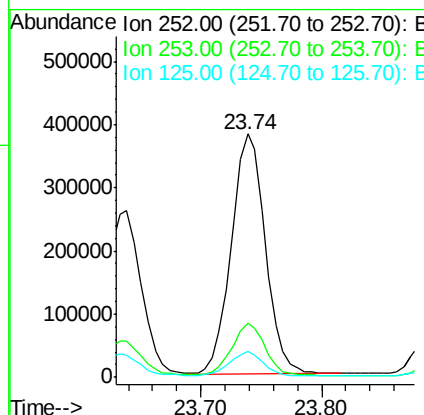
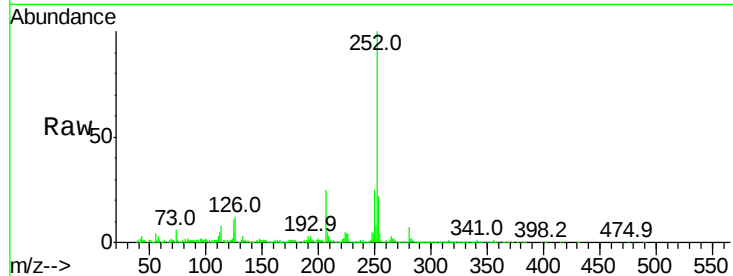
ClientSampled :

CB3F4

Tot Ion:	252	Resp:	748404
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.2
125	10.9	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 8.503 ng/ul

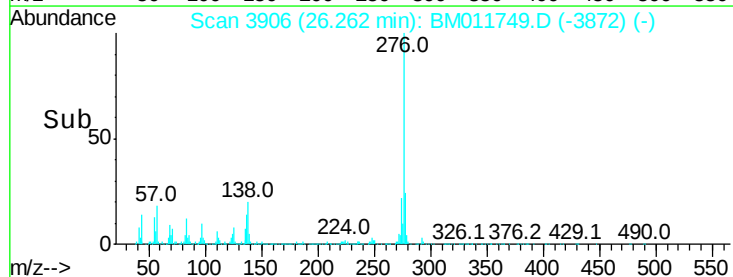
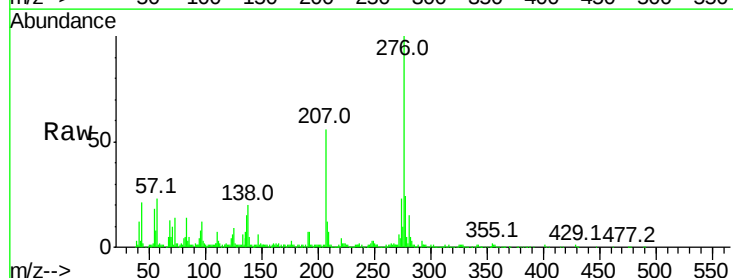
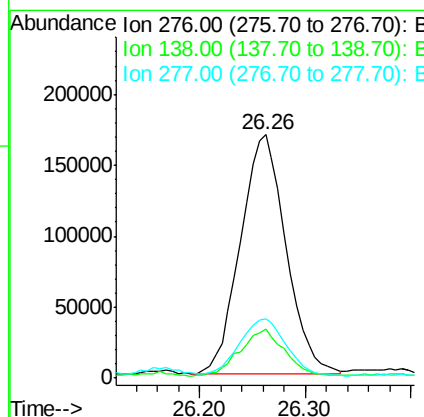
RT: 26.26 min Scan# 3906

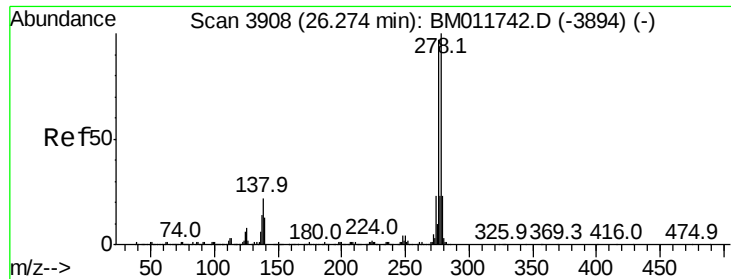
Delta R.T. 0.00 min

Lab File: BM011749.D

Acq: 28 Sep 2017 06:47

Tgt Ion:	276	Resp:	503995
Ion Ratio	Lower	Upper	
276	100		
138	20.0	9.3	13.9#
277	24.2	19.9	29.9





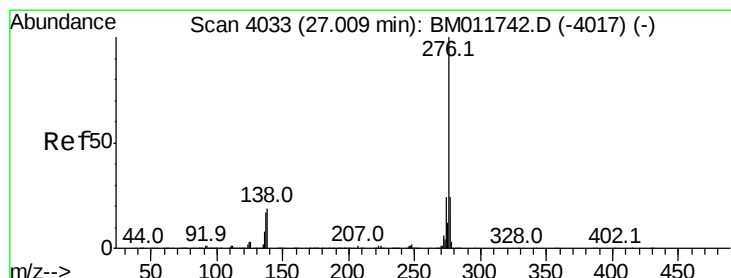
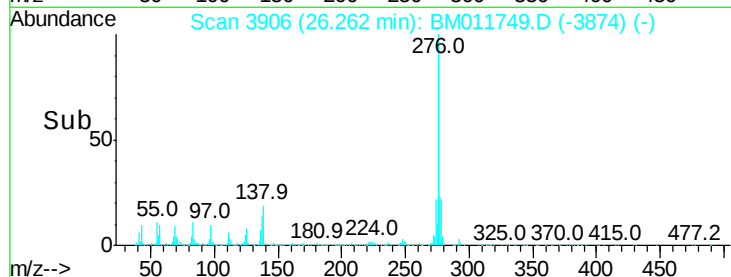
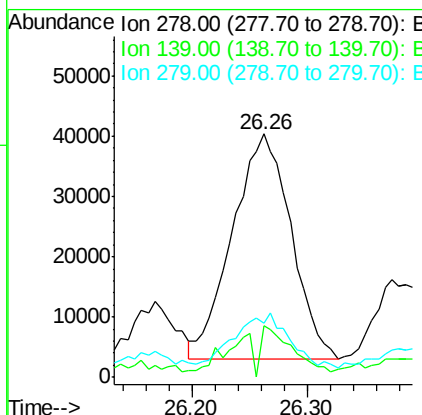
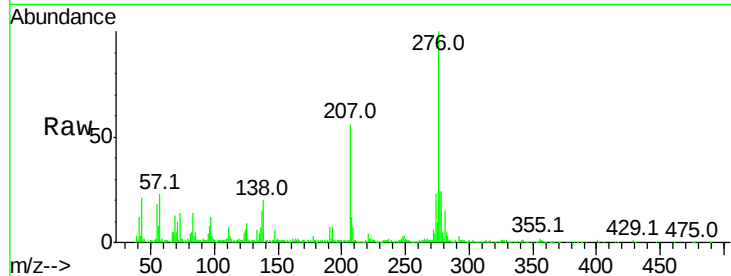
#90
Dibenzo(a,h)anthracene
Concen: 2.654 ng/ul
RT: 26.26 min Scan# 3906
Delta R.T. -0.01 min
Lab File: BM011749.D
Acq: 28 Sep 2017 06:47

Instrument :
BNA_M
ClientSampled :
CB3F4

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	5.8	8.8#
279	22.3	18.6	27.8

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#91
Benzo(g,h,i)perylene
Concen: 9.202 ng/ul
RT: 27.00 min Scan# 4032
Delta R.T. -0.01 min
Lab File: BM011749.D
Acq: 28 Sep 2017 06:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	8.5	12.7#
277	26.6	18.6	28.0

