

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011754.D
 Acq On : 28 Sep 2017 09:48
 Operator : SJ/JU
 Sample : I5377-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3E5

Manual Integrations
 APPROVED

Sohil
 9/29/2017 2:23:25 PM

Quant Time: Sep 28 15:39:12 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	340509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.75	136	1455159	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	742549	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1391054	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	1052752	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1080668	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	25960	3.40	ng/uL	0.00
5) Phenol-d5	7.09	99	635036	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	512705	21.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.46	132	533033	21.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	492340	18.77	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	265066	23.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	275292	22.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	490716	21.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	192623	7.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1514925	23.79	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	1851140	24.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	80997	7.44	ng/ul	0.00
57) Fluorene-d10	15.56	176	1243595	22.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	71514	7.59	ng/ul	0.00
70) Anthracene-d10	17.42	188	1673112	23.64	ng/ul	0.00
76) Pyrene-d10	19.70	212	1567478	31.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1262912	24.41	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.12	94	36853	1.088 ng/ul#	94
28) Naphthalene	10.79	128	191361	2.516 ng/ul	99
34) 2-Methylnaphthalene	12.40	142	79325	1.471 ng/ul	96
44) Dimethylphthalate	14.02	163	329688	5.413 ng/ul	99
47) Acenaphthylene	14.30	152	88133	1.141 ng/ul#	94
49) Acenaphthene	14.63	153	122611	2.330 ng/ul	95
53) Dibenzofuran	14.97	168	112206	1.553 ng/ul	94
58) Fluorene	15.62	166	120560	1.970 ng/ul	98
69) Phenanthrene	17.36	178	2078637	26.699 ng/ul	98
71) Anthracene	17.45	178	409031	5.099 ng/ul	98
72) Carbazole	17.72	167	144975	2.063 ng/ul	97
74) Fluoranthene	19.37	202	2794694	29.400 ng/ul#	90
77) Pyrene	19.73	202	2639411	42.072 ng/ul#	90
80) Benzo(a)anthracene	21.47	228	1377192	23.383 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.37	149	80177	2.048 ng/ul#	96
82) Chrysene	21.52	228	1315092	23.674 ng/ul	97
85) Benzo(b)fluoranthene	23.13	252	2066383	32.408 ng/ul#	93
86) Benzo(k)fluoranthene	23.17	252	651871m	10.022 ng/ul	
88) Benzo(a)pyrene	23.74	252	1483132	24.083 ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.27	276	1197417	18.675 ng/ul#	94
90) Dibenzo(a,h)anthracene	26.27	278	382785	7.128 ng/ul#	88
91) Benzo(a,h,i)perylene	27.03	276	1193527	22.426 ng/ul#	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

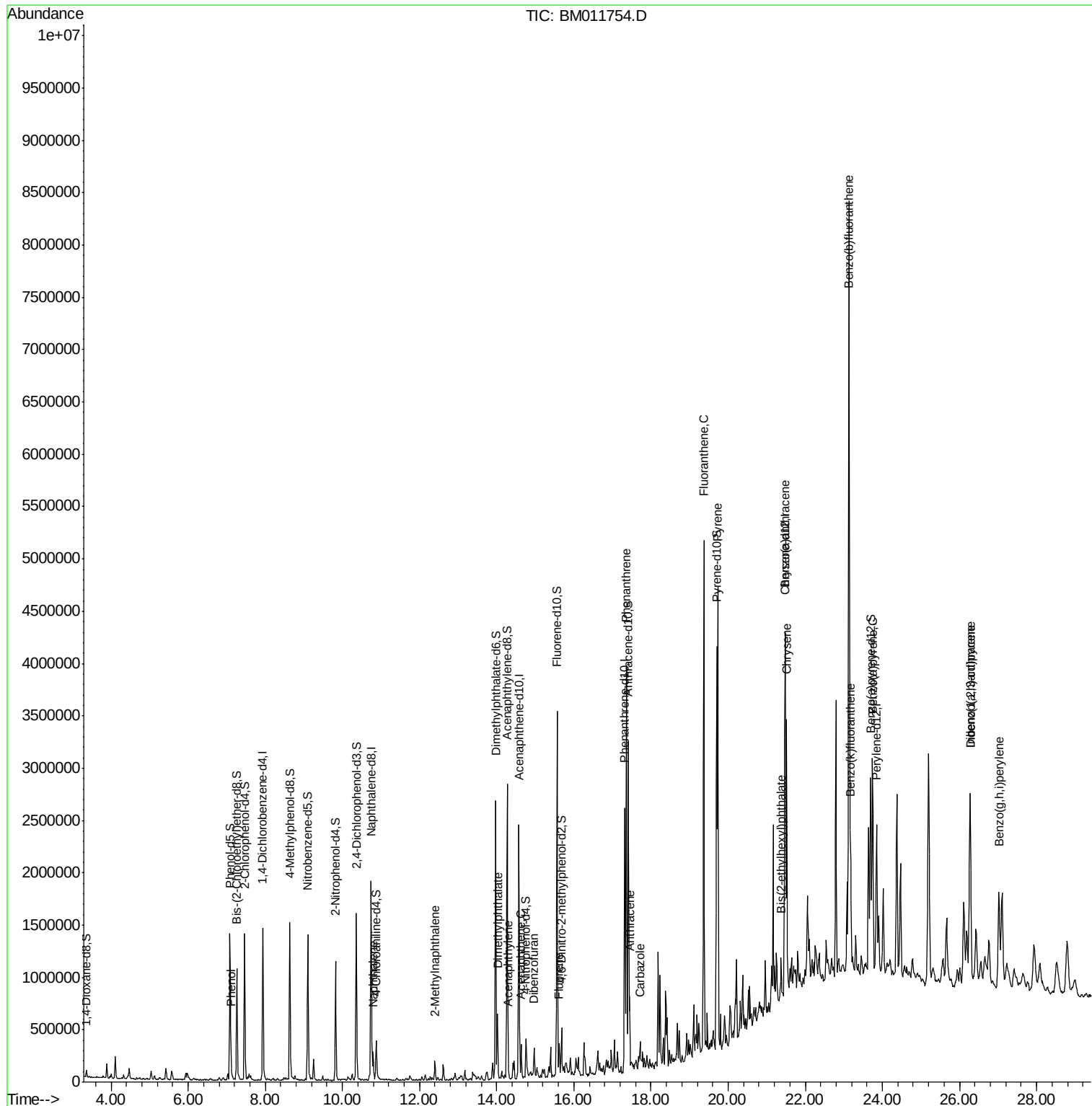
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
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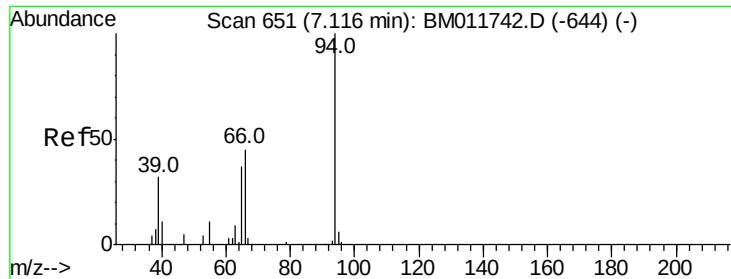
Instrument :
BNA_M
ClientSampled :
CB3E5

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.088 ng/ul

RT: 7.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

CB3E5

Tot Ion: 94 Resp: 36853

Ion Ratio Lower Upper

94 100

65 42.6 28.2 42.4#

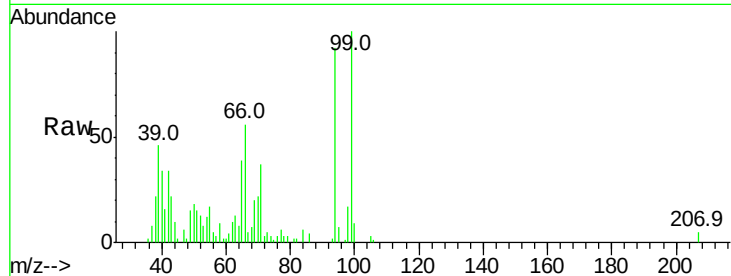
66 60.8 47.2 70.8

Manual Integrations

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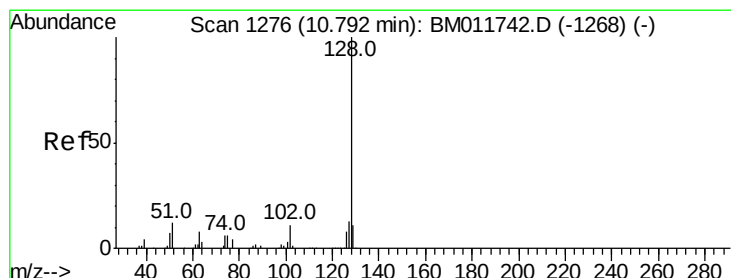
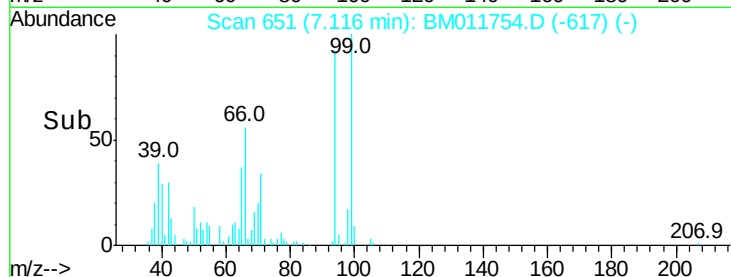
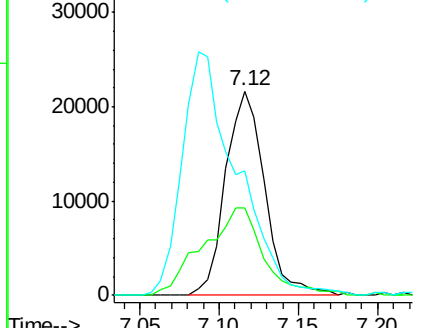
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Abundance Ion 94.00 (93.70 to 94.70): BM011742.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM011742.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM011742.D (-644) (-)



#28

Naphthalene

Concen: 2.516 ng/ul

RT: 10.79 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

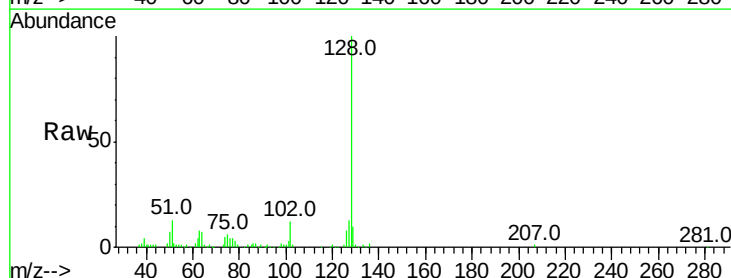
Tgt Ion: 128 Resp: 191361

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

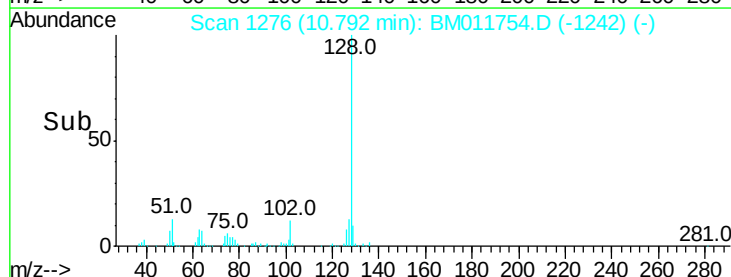
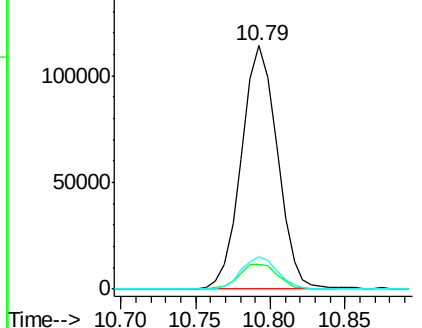
127 13.5 10.6 16.0

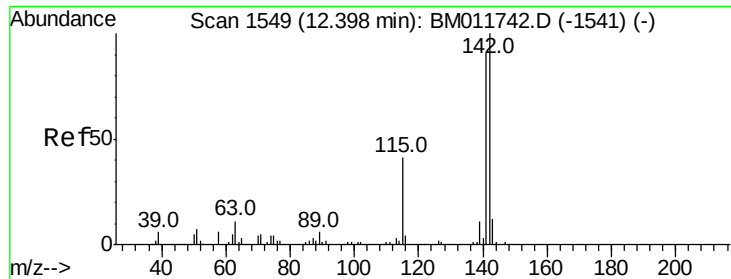


Abundance Ion 128.00 (127.70 to 128.70): BM011742.D (-1268) (-)

Ion 129.00 (128.70 to 129.70): BM011742.D (-1268) (-)

Ion 127.00 (126.70 to 127.70): BM011742.D (-1268) (-)





#34

2-Methylnaphthalene

Concen: 1.471 ng/ul

RT: 12.40 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampled :

CB3E5

Tot Ion:142 Resp: 79325

Ion Ratio Lower Upper

142 100

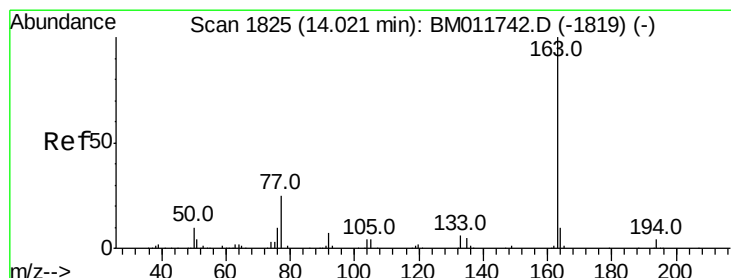
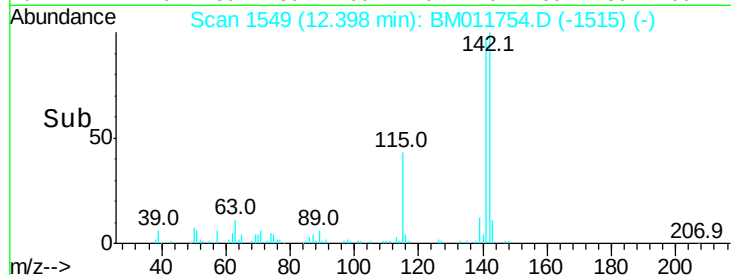
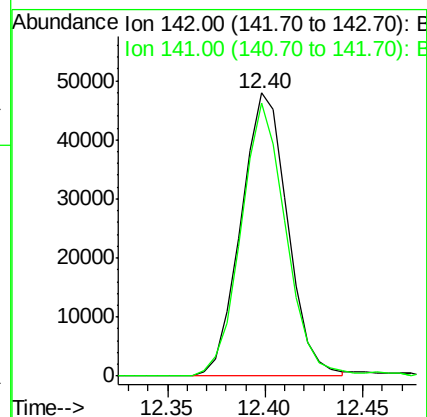
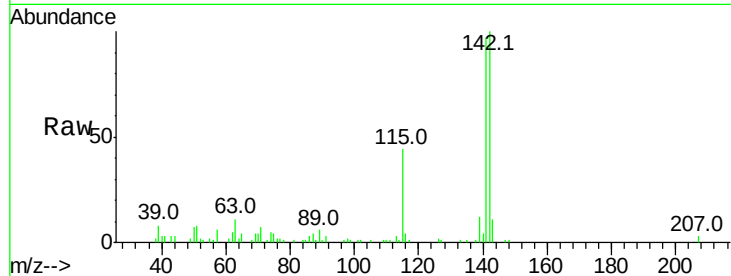
141 96.7 74.1 111.1

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#44

Dimethylphthalate

Concen: 5.413 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

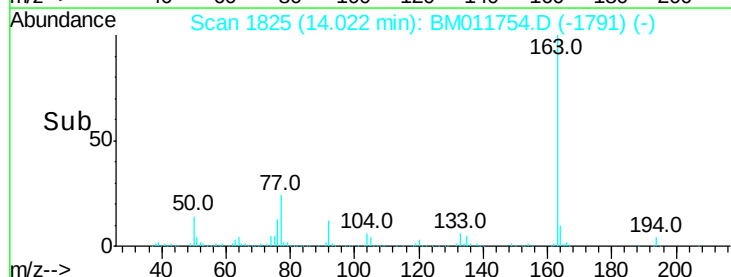
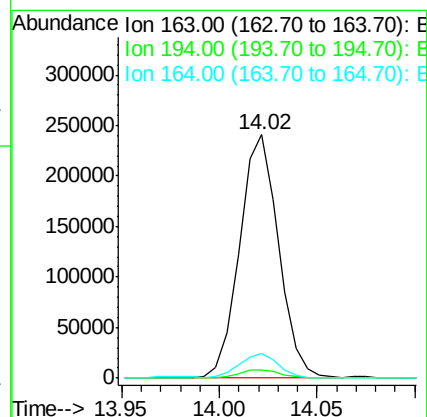
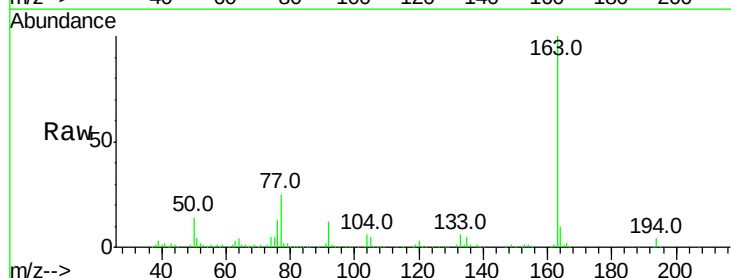
Tgt Ion:163 Resp: 329688

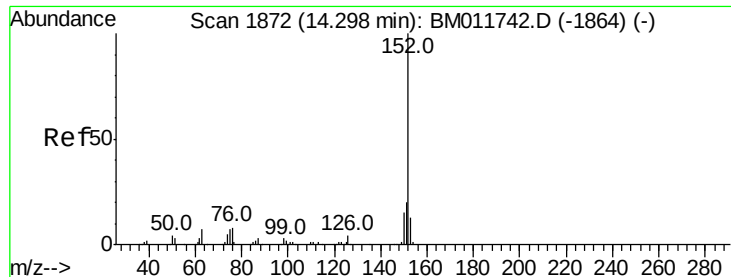
Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

164 10.4 8.2 12.4





#47

Acenaphthylene

Concen: 1.141 ng/ul

RT: 14.30 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

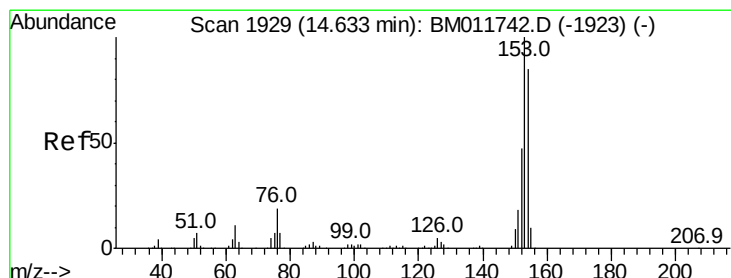
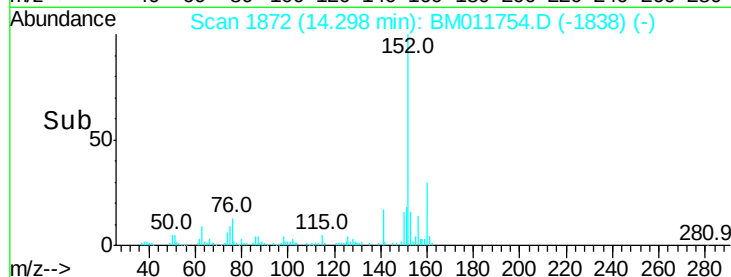
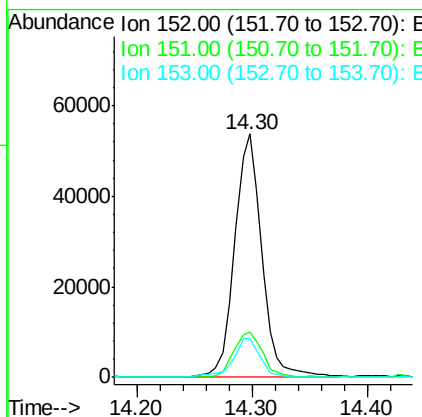
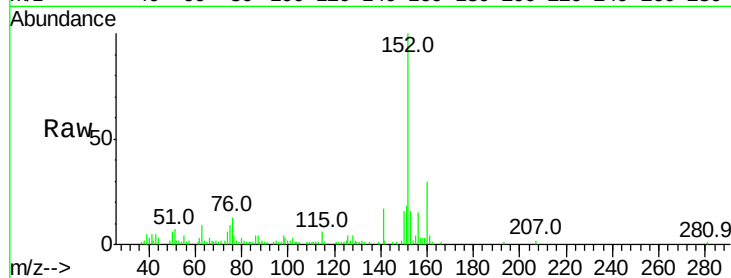
ClientSampleId :

CB3E5

Tot Ion:	152	Resp:	88133
Ion Ratio	Lower	Upper	
152	100		
151	18.4	16.3	24.5
153	15.8	10.2	15.4#

Manual Integrations
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#49

Acenaphthene

Concen: 2.330 ng/ul

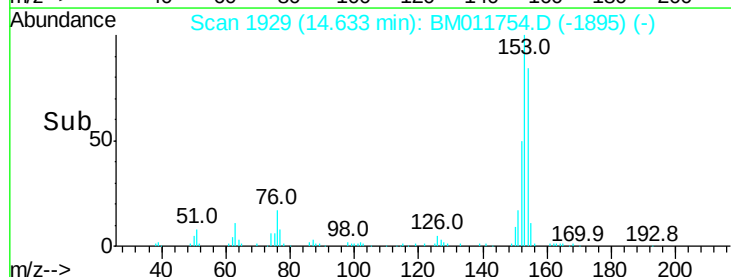
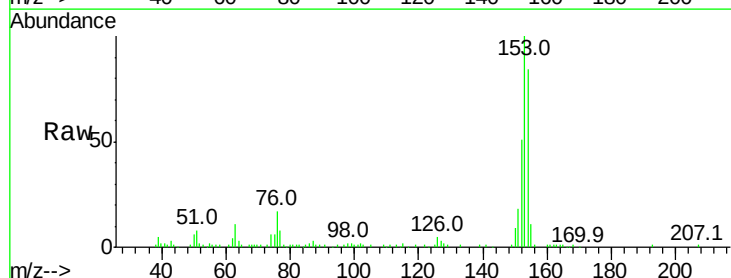
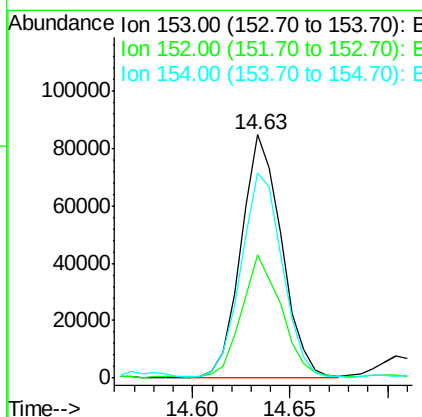
RT: 14.63 min Scan# 1929

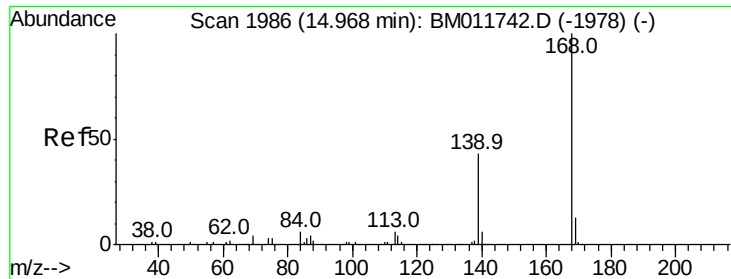
Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Tgt Ion:	153	Resp:	122611
Ion Ratio	Lower	Upper	
153	100		
152	50.5	37.6	56.4
154	84.1	70.4	105.6





#53

Dibenzenofuran

Concen: 1.553 ng/ul

RT: 14.97 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

CB3E5

Tot Ion:168 Resp: 112206

Ion Ratio Lower Upper

168 100

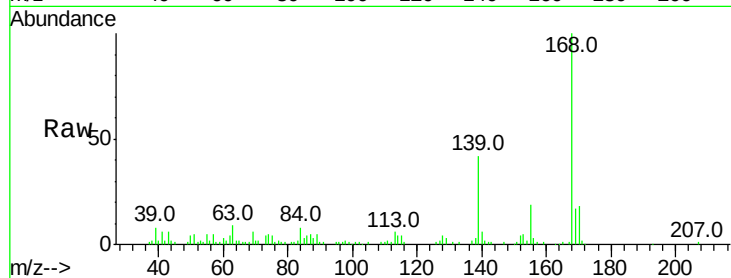
139 42.0 30.8 46.2

Manual Integrations

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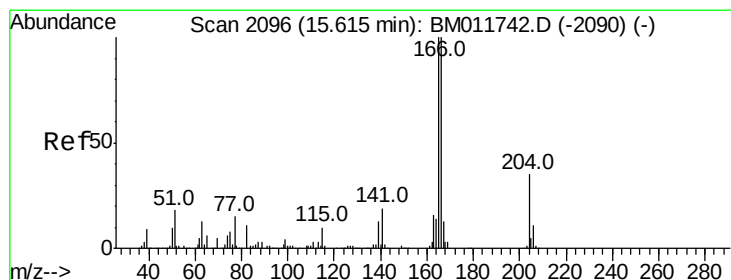
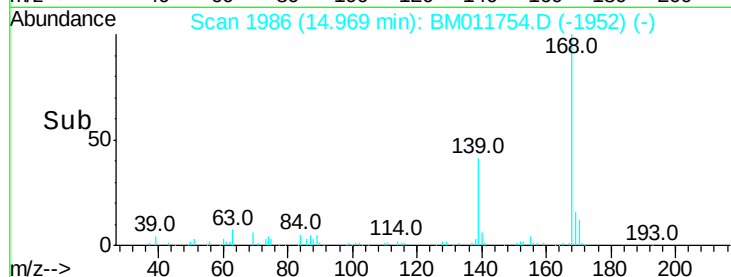
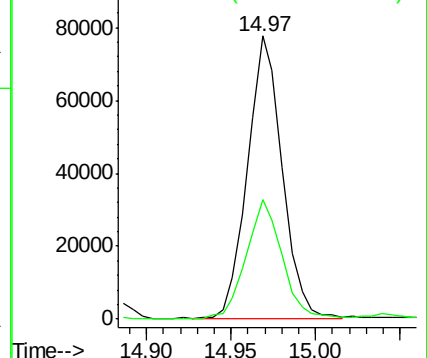
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.970 ng/ul

RT: 15.62 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

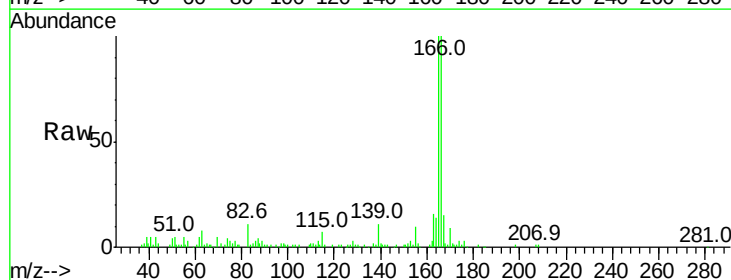
Tgt Ion:166 Resp: 120560

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

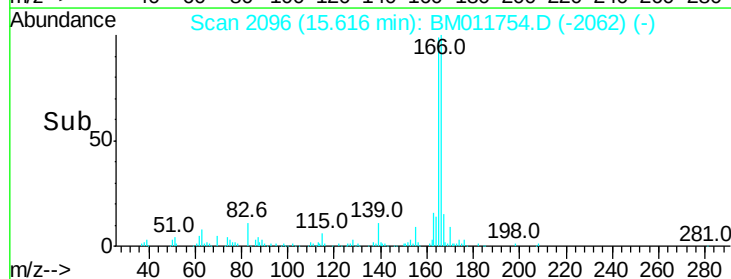
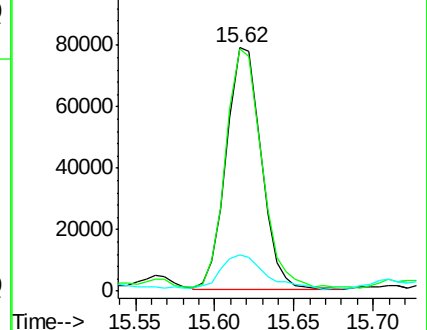
167 14.8 10.6 16.0

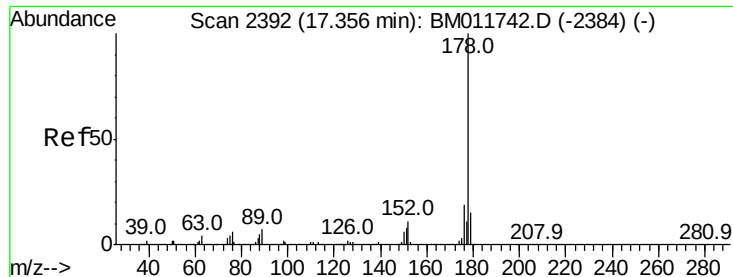


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 26.699 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

ClientSampleId :

CB3E5

Tot Ion:178 Resp: 2078637

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

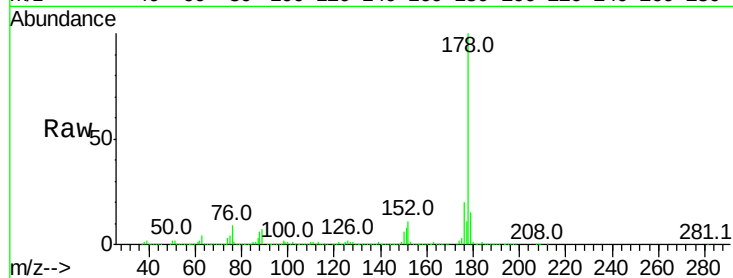
176 20.1 14.9 22.3

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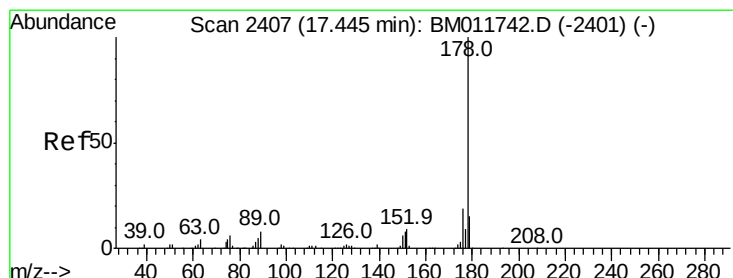
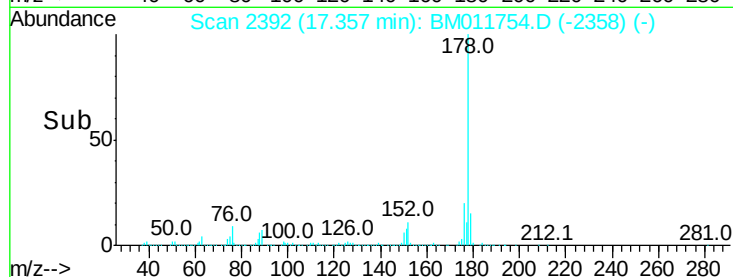
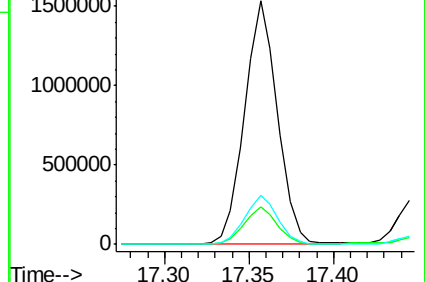
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 5.099 ng/ul

RT: 17.45 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

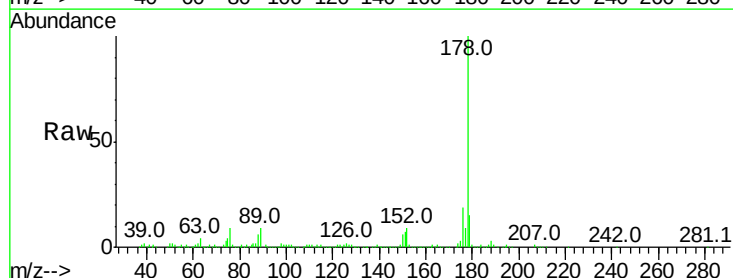
Tgt Ion:178 Resp: 409031

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

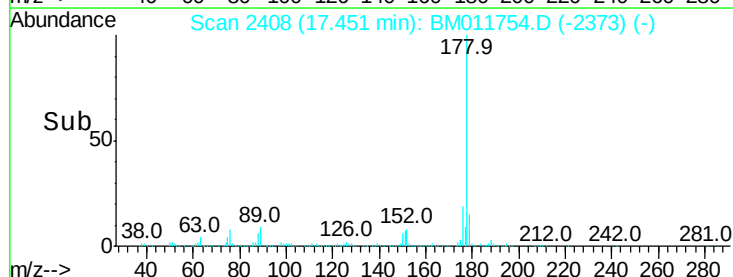
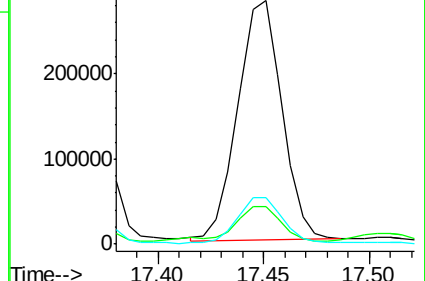
176 19.2 14.6 21.8

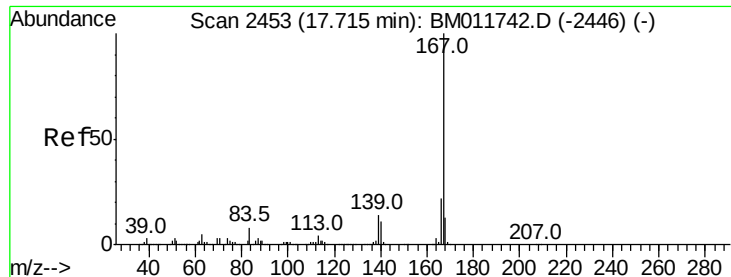


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.063 ng/ul

RT: 17.72 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

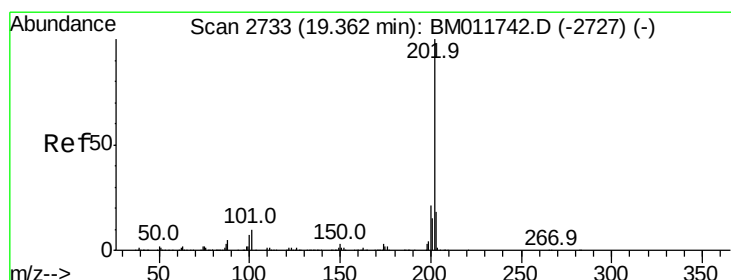
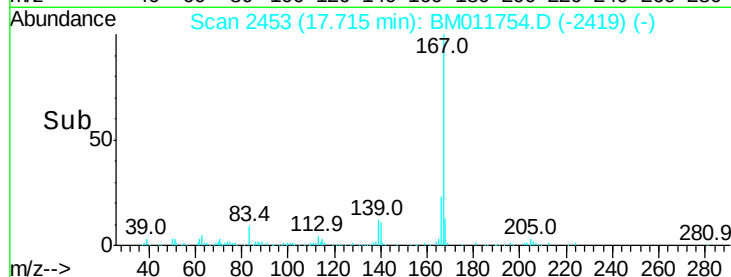
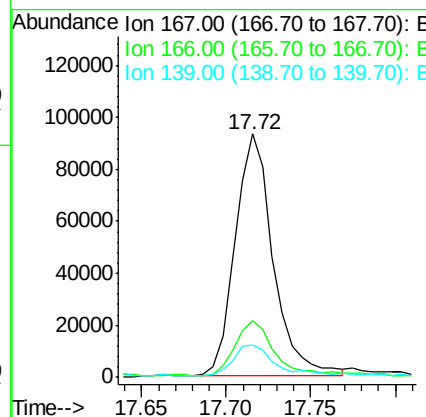
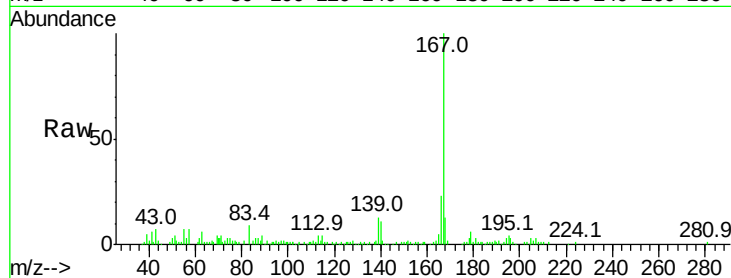
ClientSampleId :

CB3E5

Tot Ion:	167	Resp:	144975
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.1	25.7
139	13.2	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 29.400 ng/ul

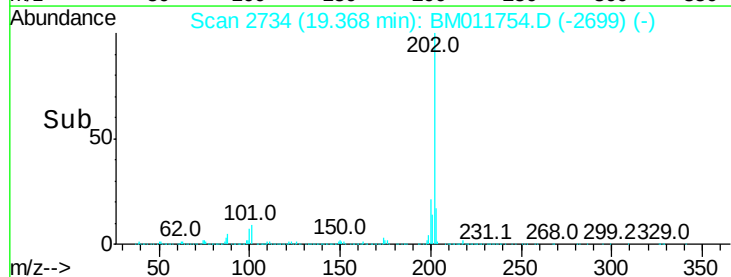
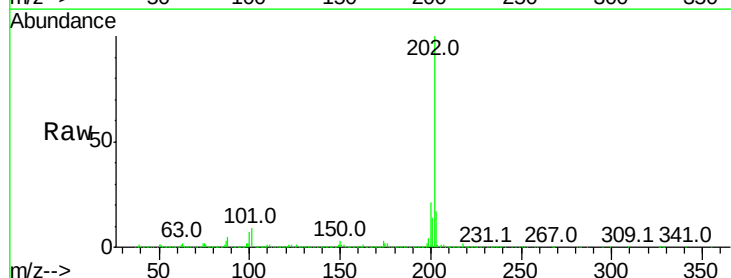
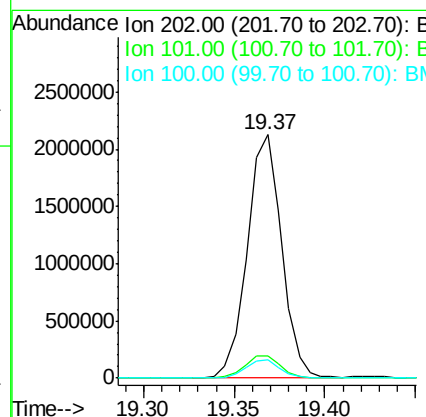
RT: 19.37 min Scan# 2734

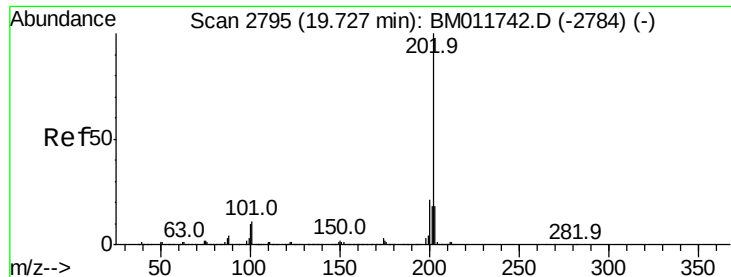
Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Tgt Ion:	202	Resp:	2794694
Ion Ratio	Lower	Upper	
202	100		
101	9.3	4.6	7.0#
100	7.4	3.4	5.2#





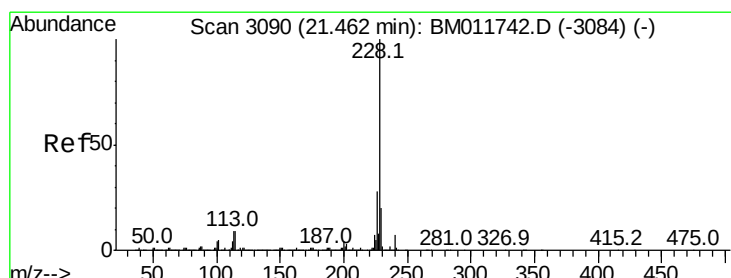
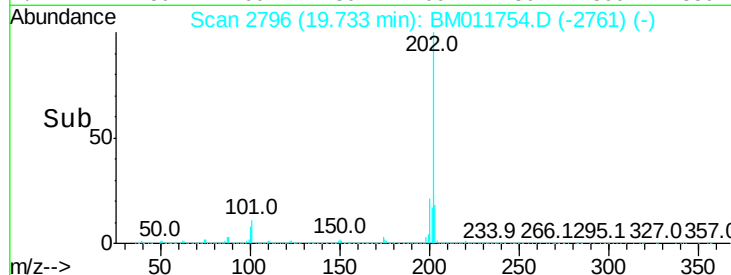
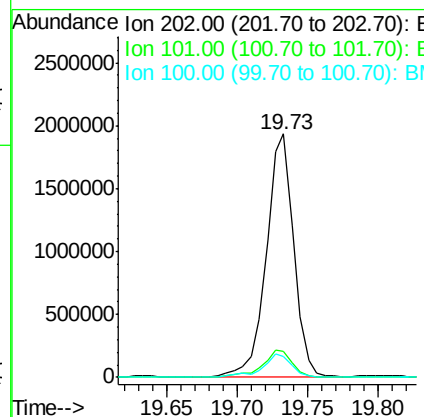
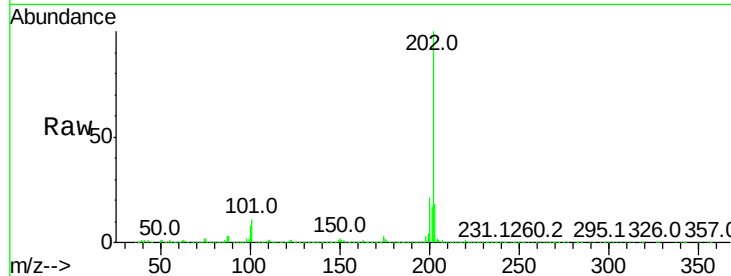
#77
Pvrene
Concen: 42.072 ng/ul
RT: 19.73 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Instrument :
BNA_M
ClientSampled :
CB3E5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	5.1	7.7#
100	8.4	4.9	7.3#

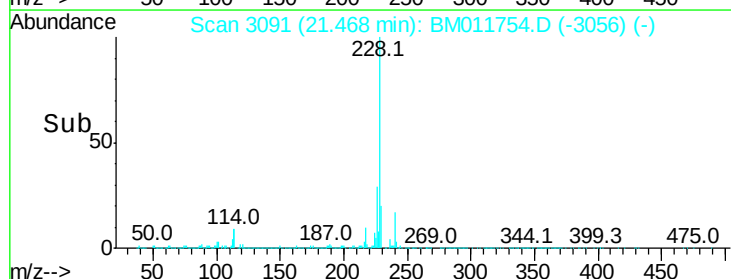
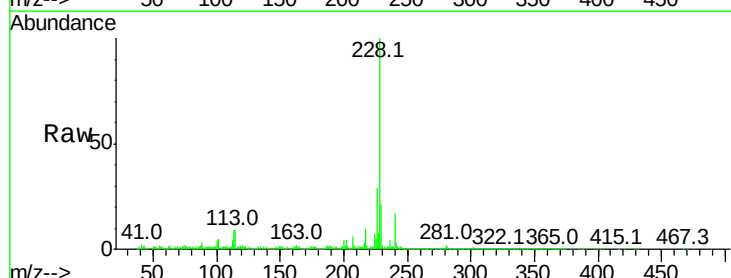
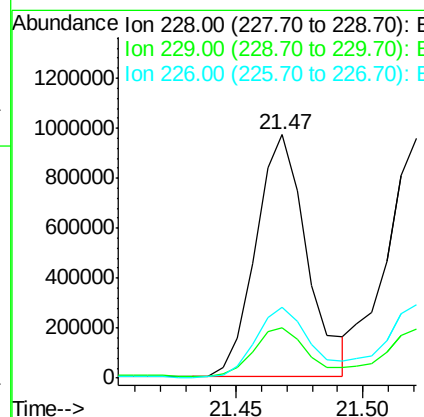
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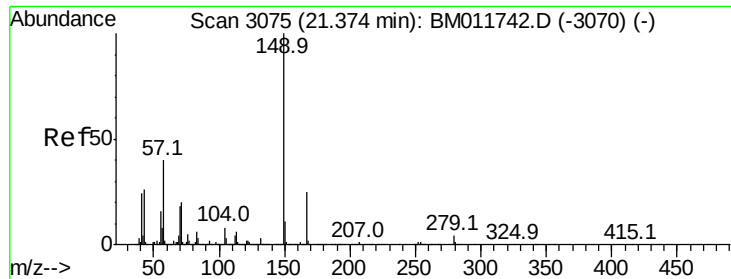
Sohil
9/29/2017 2:23:25 PM



#80
Benzo(a)anthracene
Concen: 23.383 ng/ul
RT: 21.47 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	29.2	21.4	32.0





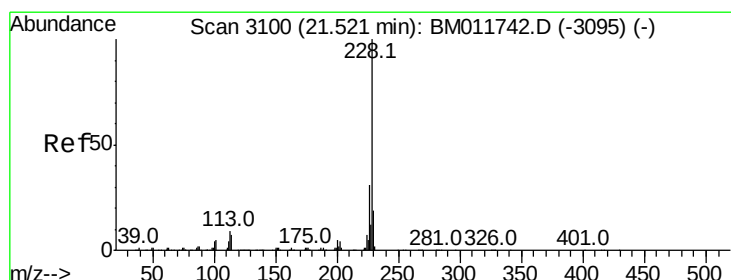
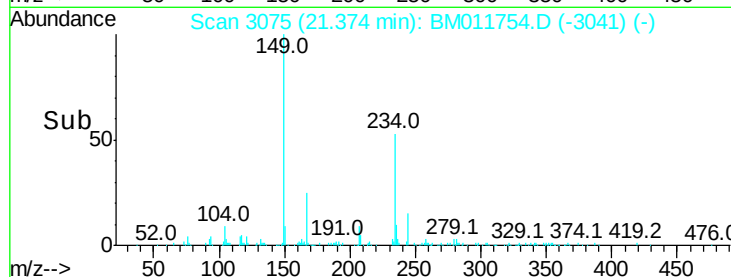
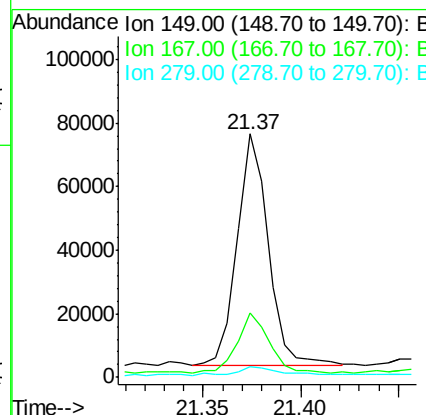
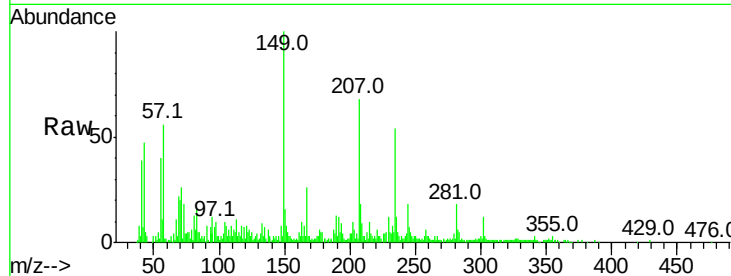
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.048 ng/ul
 RT: 21.37 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BM011754.D
 Acq: 28 Sep 2017 09:48

Instrument :
 BNA_M
 ClientSampled :
 CB3E5

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.8	34.2
279	4.3	4.9	7.3

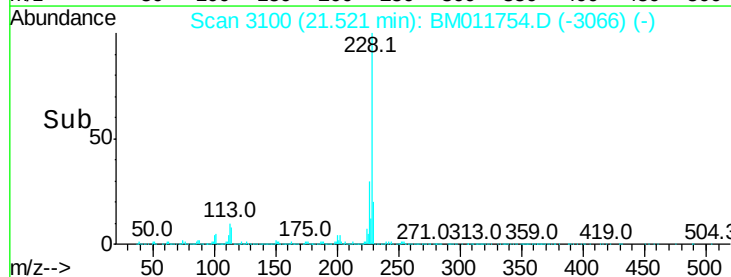
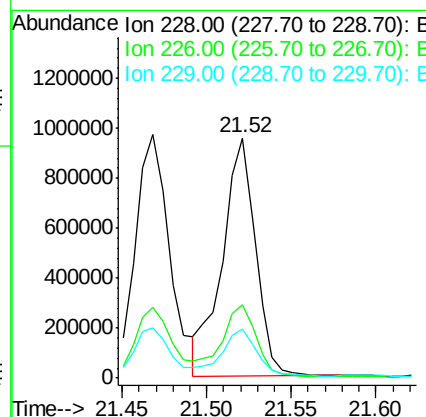
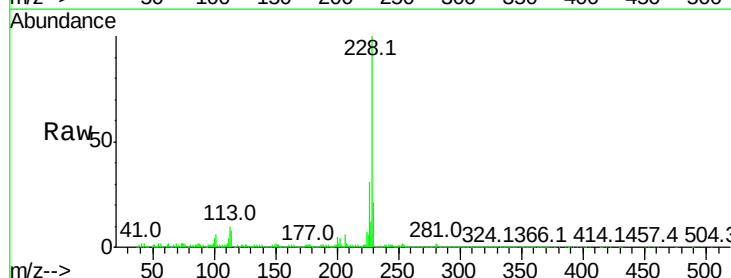
Manual Integrations
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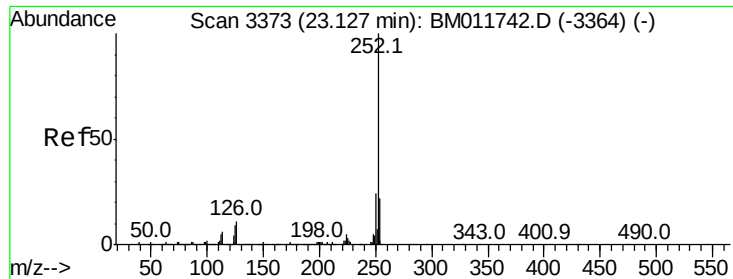
Sohil
 9/29/2017 2:23:25 PM



#82
 Chrysene
 Concen: 23.674 ng/ul
 RT: 21.52 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM011754.D
 Acq: 28 Sep 2017 09:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	20.6	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 32.408 ng/ul

RT: 23.13 min Scan# 3374

Delta R.T. 0.01 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Instrument :

BNA_M

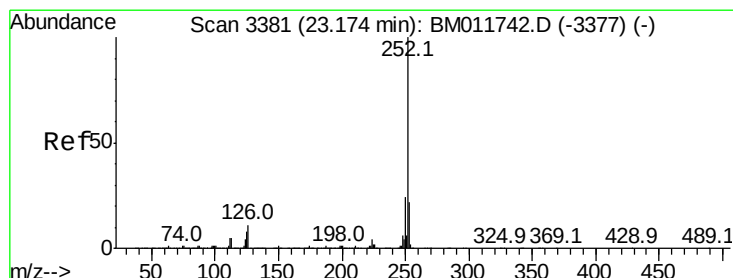
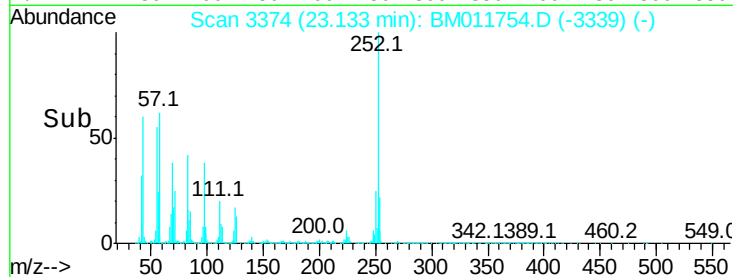
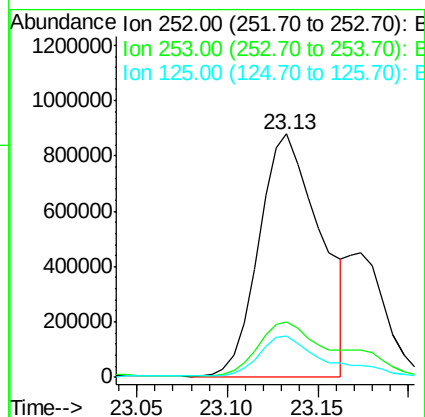
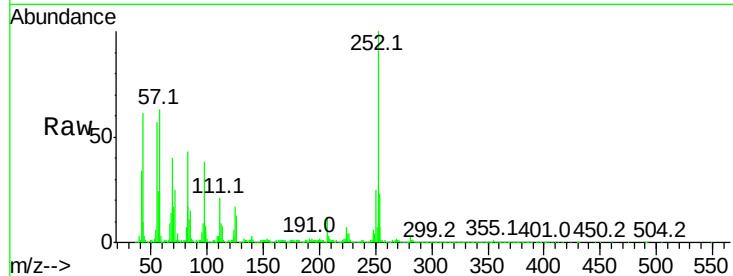
ClientSampled :

CB3E5

Tot Ion:	252	Resp:	2066383
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	16.9	3.6	5.4#

Manual Integrations
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9/29/2017 2:23:25 PM



#86

Benzo(k)fluoranthene

Concen: 10.022 ng/ul m

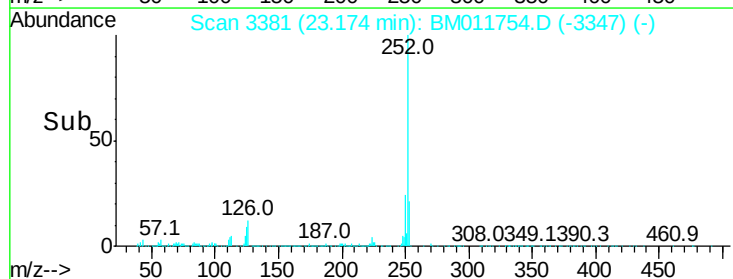
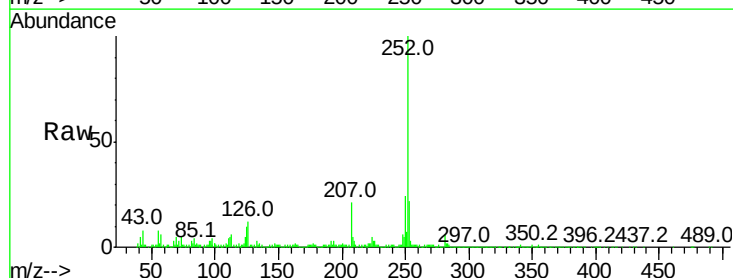
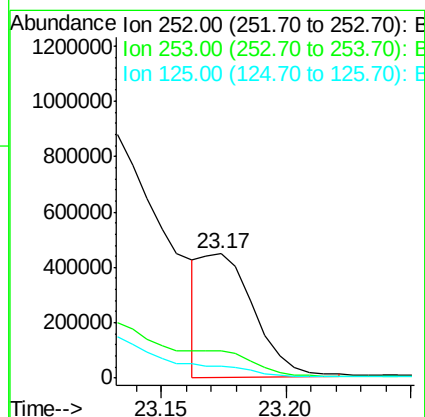
RT: 23.17 min Scan# 3381

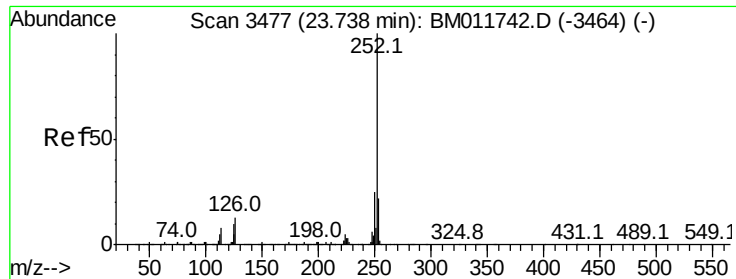
Delta R.T. 0.00 min

Lab File: BM011754.D

Acq: 28 Sep 2017 09:48

Tgt Ion:	252	Resp:	651871
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	10.1	3.4	5.2#





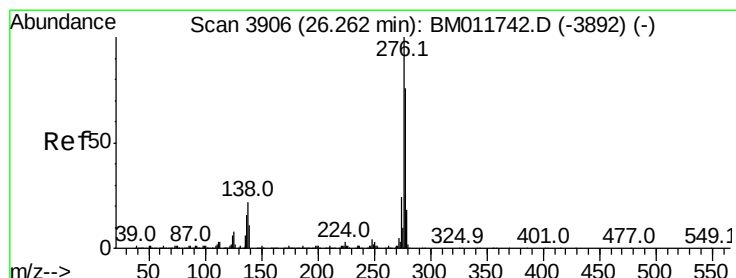
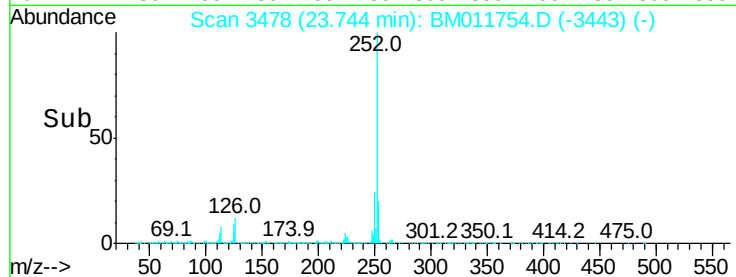
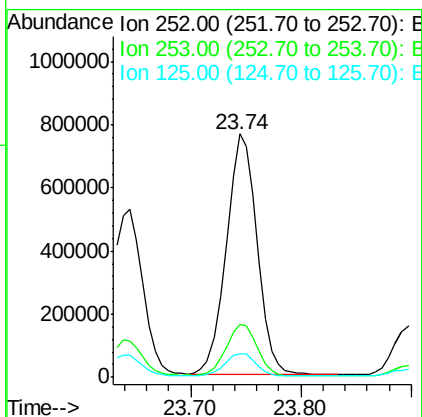
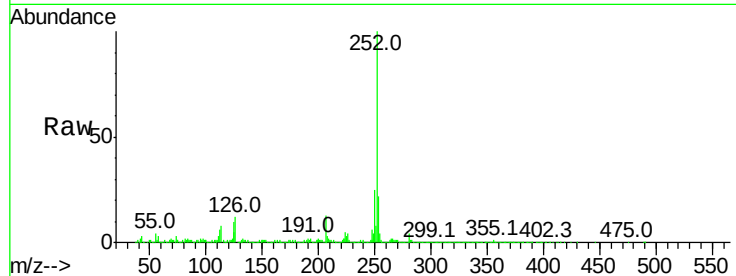
#88
Benzo(a)pyrene
Concen: 24.083 ng/ul
RT: 23.74 min Scan# 3478
Delta R.T. 0.01 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Instrument :
BNA_M
ClientSampleId :
CB3E5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	9.9	4.0	6.0#

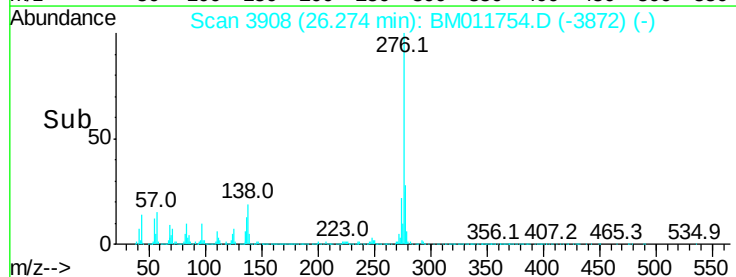
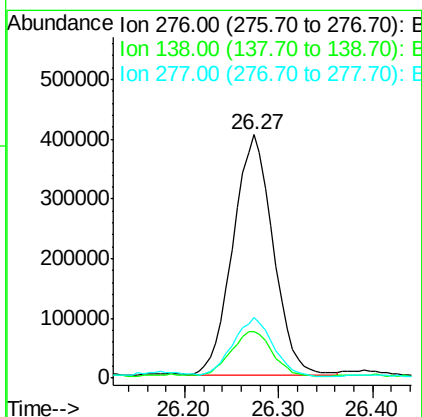
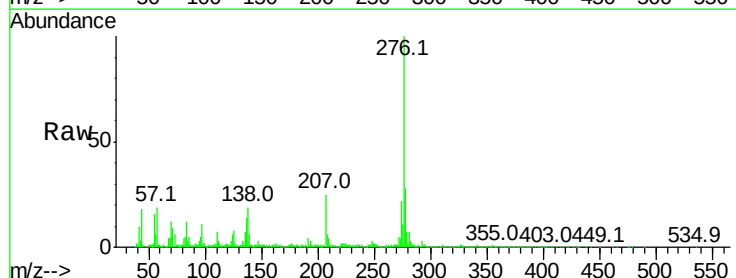
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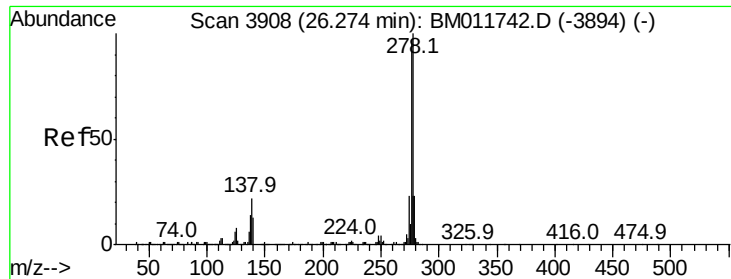
Sohil
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#89
Indeno(1,2,3-cd)pyrene
Concen: 18.675 ng/ul
RT: 26.27 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	9.3	13.9#
277	25.0	19.9	29.9





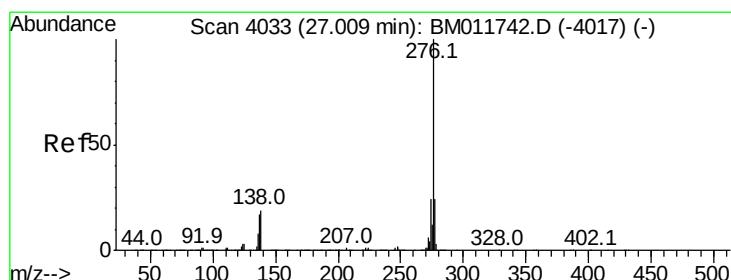
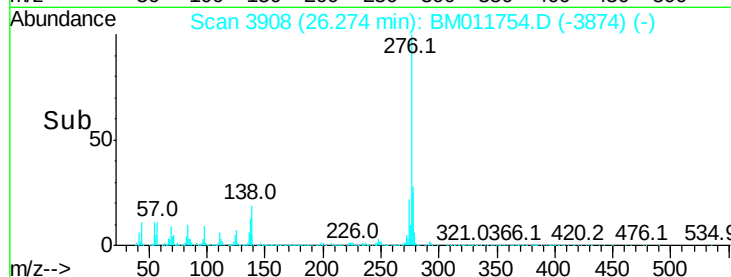
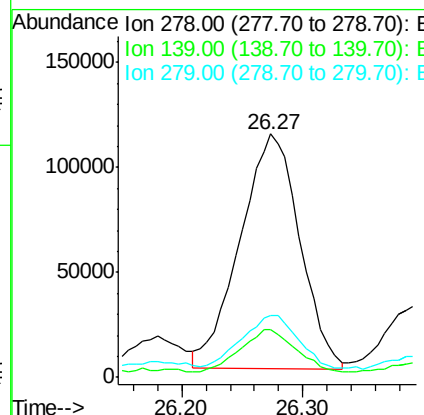
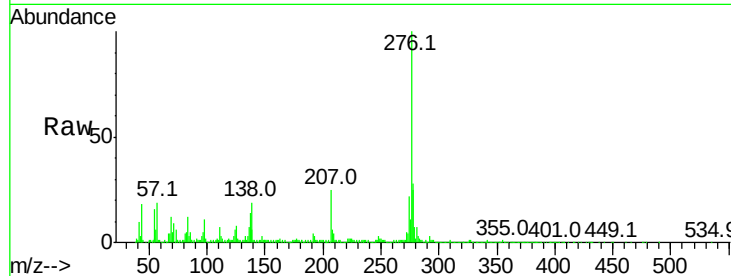
#90
Dibenzo(a,h)anthracene
Concen: 7.128 ng/ul
RT: 26.27 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Instrument :
BNA_M
ClientSampleId :
CB3E5

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.5	5.8	8.8#
279	25.2	18.6	27.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 22.426 ng/ul
RT: 27.03 min Scan# 4036
Delta R.T. 0.02 min
Lab File: BM011754.D
Acq: 28 Sep 2017 09:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	8.5	12.7#
277	24.2	18.6	28.0

