

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011679.D
 Acq On : 22 Sep 2017 06:32
 Operator : SJ/JU
 Sample : I5284-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3C7

Manual Integrations
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Sohil
 9/22/2017 4:06:42 PM

Quant Time: Sep 22 09:29:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 08:34:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	421684	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	1920750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1061388	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2288267	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2081762	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1648894	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	32379	3.45	ng/uL	0.00
5) Phenol-d5	7.11	99	874924	21.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	641845	23.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	695592	22.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	639550	20.23	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	343728	23.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	376091	24.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	674457	22.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	310878m	9.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	2117901	23.60	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2586272	23.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	335038	19.87	ng/ul	0.00
58) Fluorene-d10	15.58	176	1811405	23.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	251958	18.92	ng/ul	0.00
71) Anthracene-d10	17.43	188	2766344	24.55	ng/ul	0.00
79) Pyrene-d10	19.72	212	3201901	32.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	2032739	25.87	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.10	77	24242	1.048	ng/ul	89
6) Phenol	7.14	94	53854	1.340	ng/ul#	85
28) Naphthalene	10.82	128	271329	2.724	ng/ul	99
34) 2-Methylnaphthalene	12.42	142	143105	1.935	ng/ul	96
35) 1-Methylnaphthalene	12.64	142	102067	1.449	ng/ul	100
45) Dimethylphthalate	14.04	163	513346	5.975	ng/ul#	98
48) Acenaphthylene	14.32	152	126220	1.156	ng/ul	96
50) Acenaphthene	14.66	153	359547	4.872	ng/ul	99
54) Dibenzofuran	14.99	168	320833	3.108	ng/ul	100
59) Fluorene	15.64	166	346049	4.000	ng/ul	99
70) Phenanthrene	17.38	178	5983296	46.911	ng/ul	98
72) Anthracene	17.47	178	1412620	10.793	ng/ul	98
75) Carbazole	17.73	167	521665	4.672	ng/ul	96
77) Fluoranthene	19.39	202	8383970	63.908	ng/ul#	92
80) Pyrene	19.75	202	7319892	60.266	ng/ul#	90
83) Benzo(a)anthracene	21.49	228	3312510	28.899	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.39	149	501248	5.843	ng/ul#	95
85) Chrysene	21.54	228	3043703	29.291	ng/ul	99
88) Benzo(b)fluoranthene	23.15	252	3157251	31.828	ng/ul#	93
89) Benzo(k)fluoranthene	23.19	252	1167565m	12.256	ng/ul	
91) Benzo(a)pyrene	23.77	252	2142231	22.880	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	26.30	276	1366262	13.265	ng/ul#	92
93) Dibenz(a,h)anthracene	26.30	278	372834	4.269	ng/ul#	87

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	27.05	276	1013534	12.151	ng/ul#	91

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

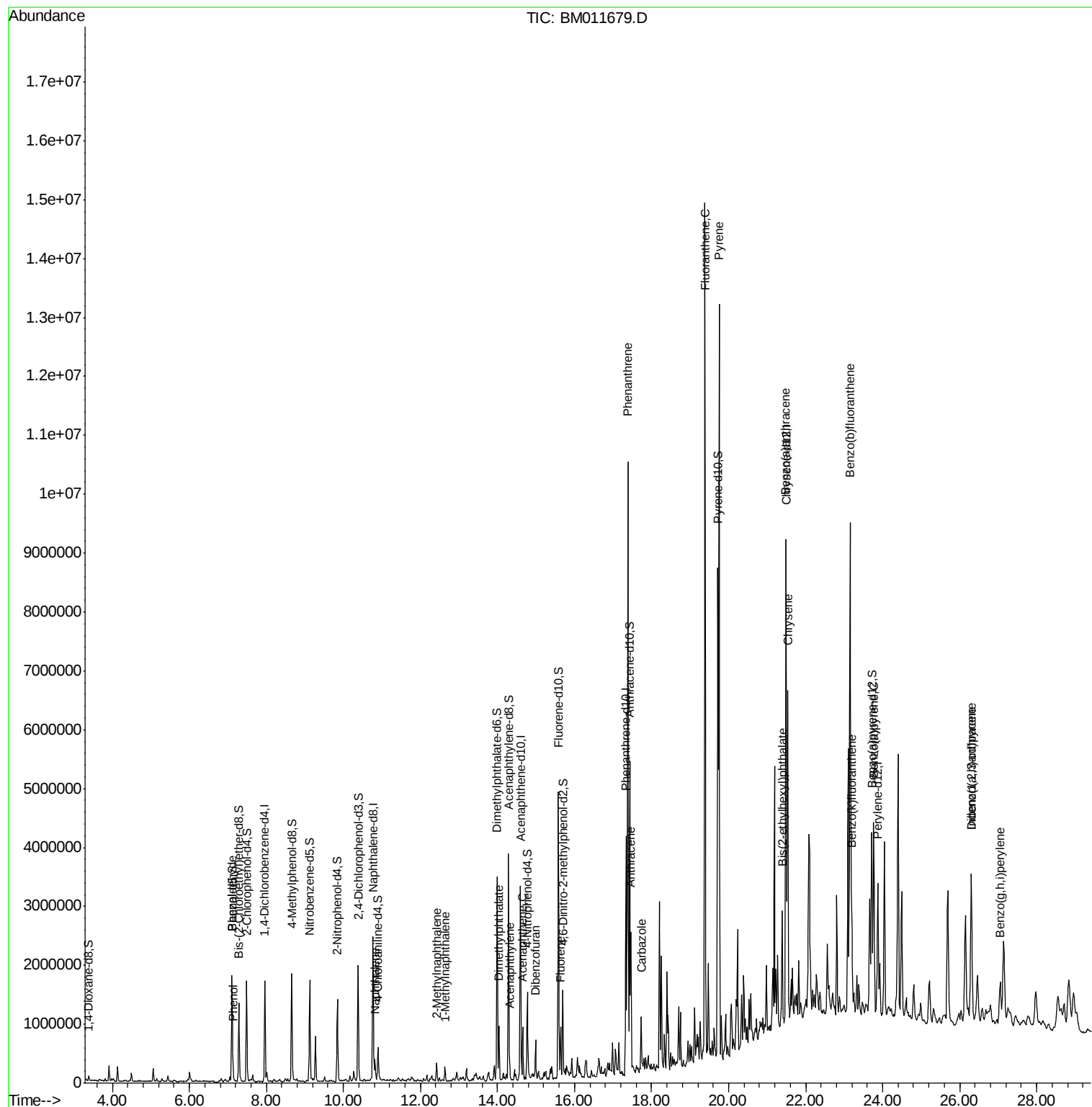
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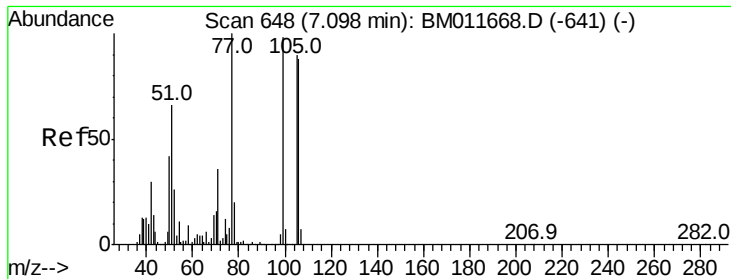
Instrument :
BNA_M
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#4

Benzaldehyde

Concen: 1.048 ng/ul

RT: 7.10 min Scan# 649

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampled :

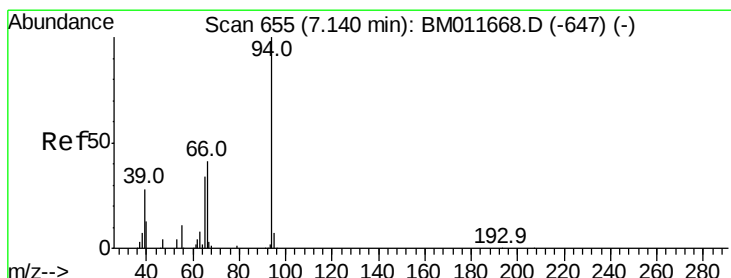
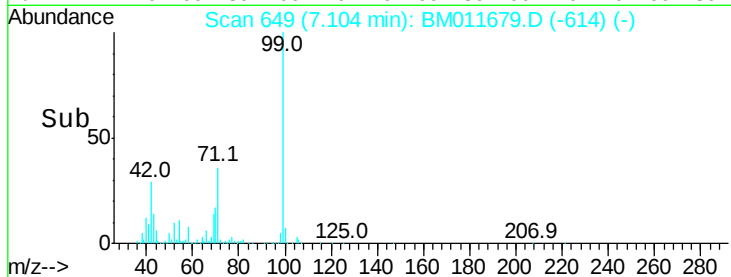
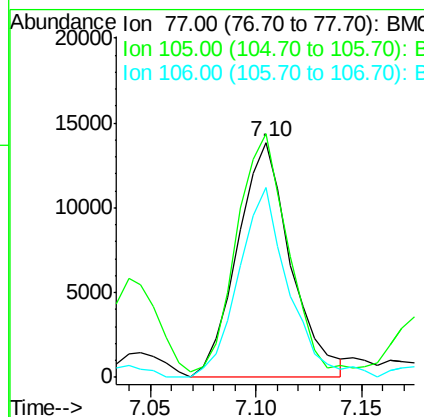
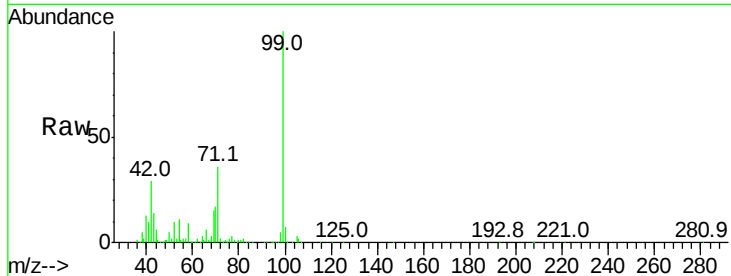
CB3C7

Tot Ion	Ratio	Lower	Upper
77	100		
105	103.5	71.0	106.6
106	80.6	69.5	104.3

Manual Integrations
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#6

Phenol

Concen: 1.340 ng/ul

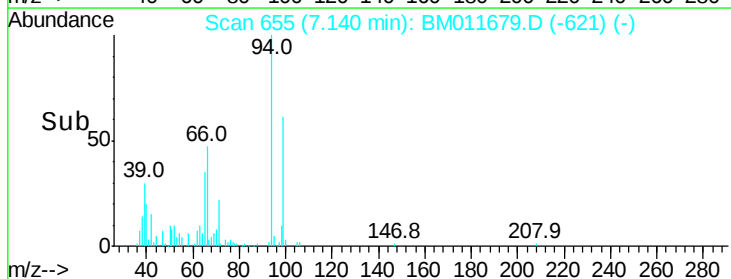
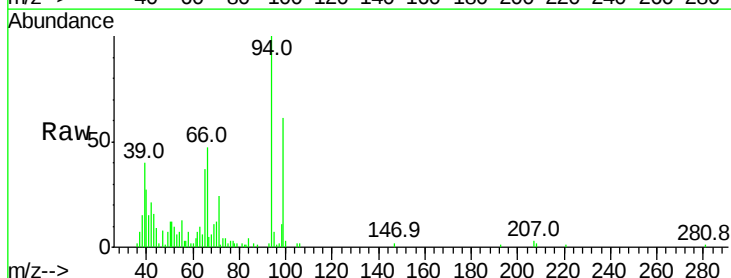
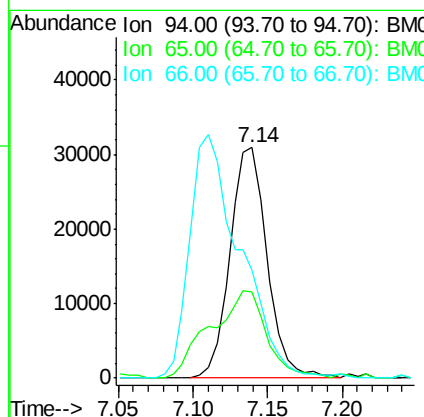
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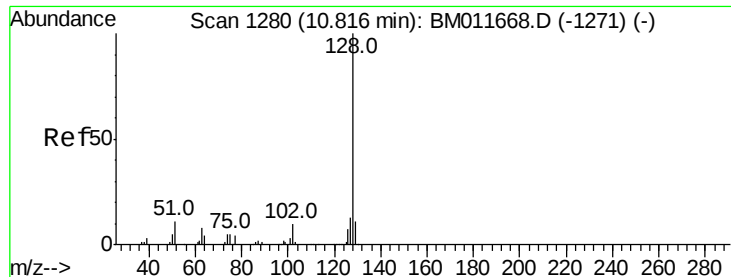
Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.3	23.0	34.6#
66	47.1	30.4	45.6#





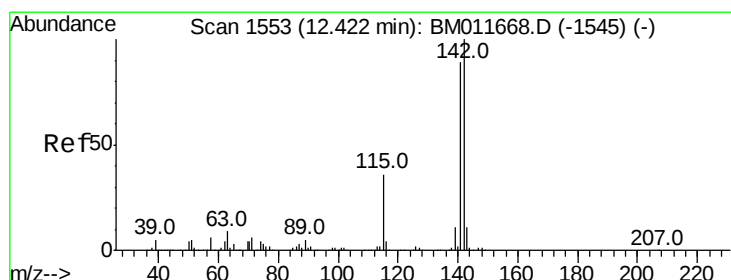
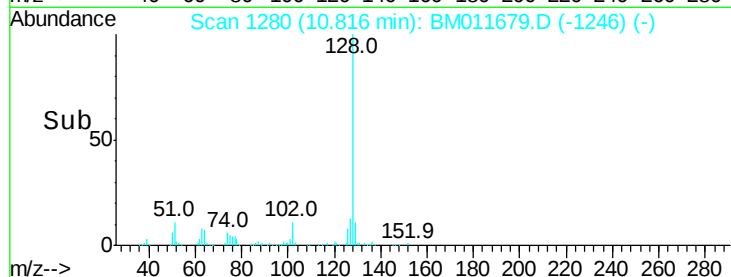
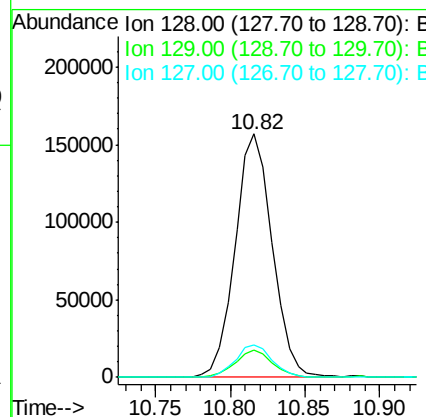
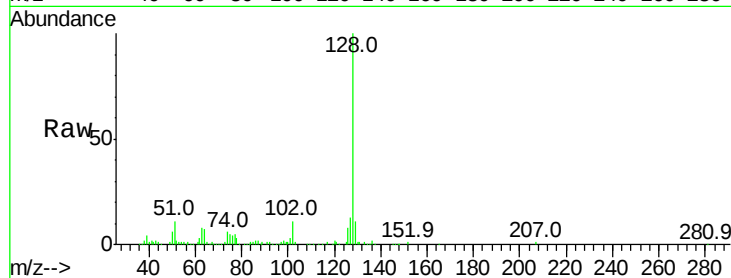
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Naphthalene
Concen: 2.724 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Instrument :
BNA_M
ClientSampleId :
CB3C7

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.3	10.8	16.2

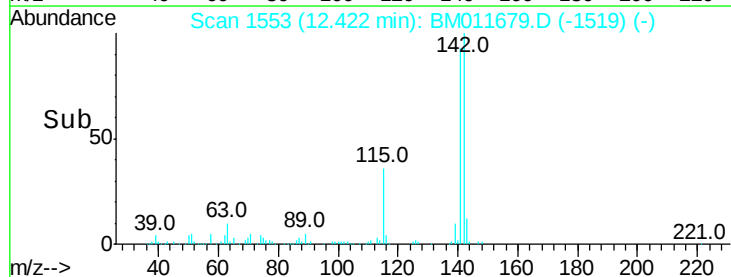
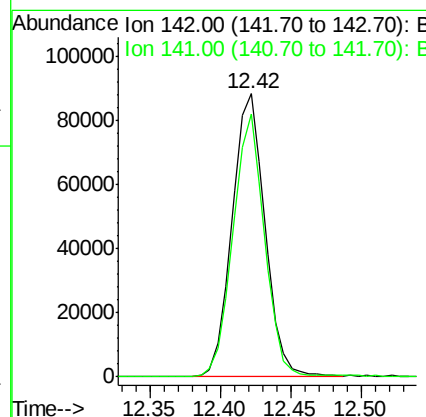
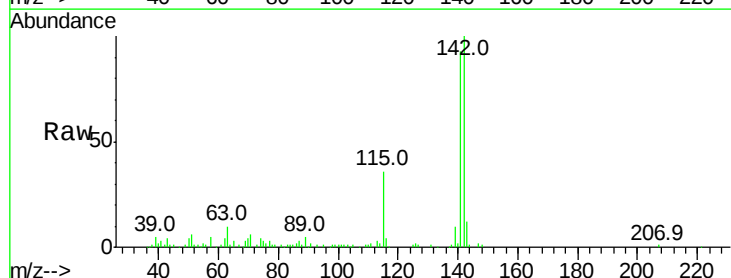
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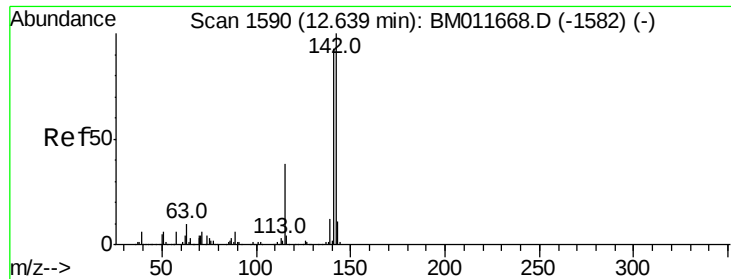
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#34
2-Methylnaphthalene
Concen: 1.935 ng/ul
RT: 12.42 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.4	107.2





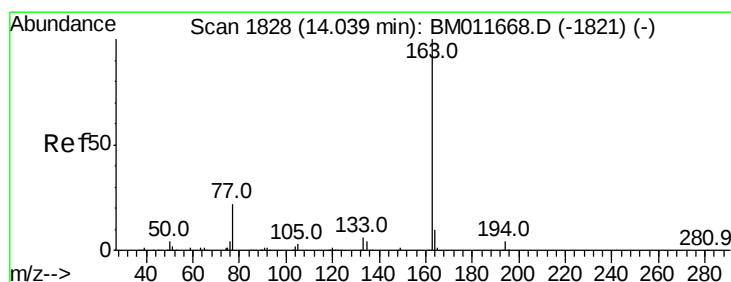
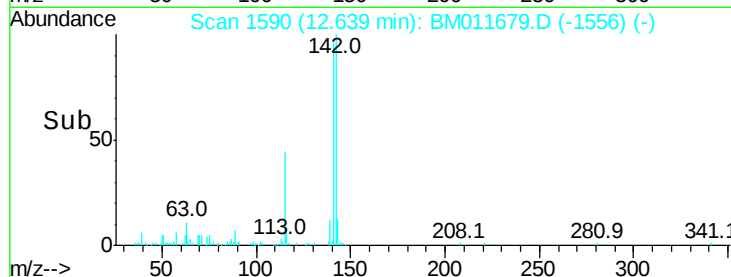
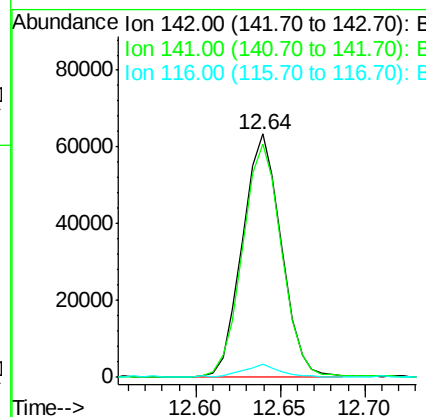
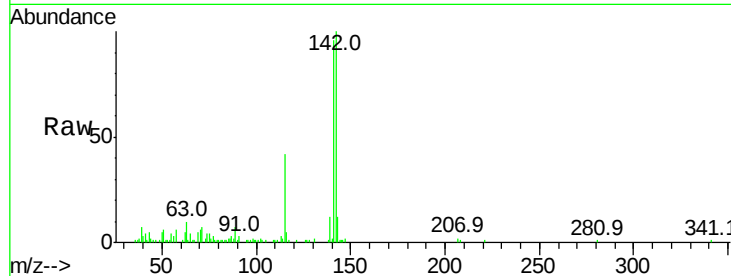
#35
 1-Methylnaphthalene
 Concen: 1.449 ng/ul
 RT: 12.64 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: BM011679.D
 Acq: 22 Sep 2017 06:32

Instrument :
 BNA_M
 ClientSampleId :
 CB3C7

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.1	76.6	115.0
116	5.4	3.6	5.4

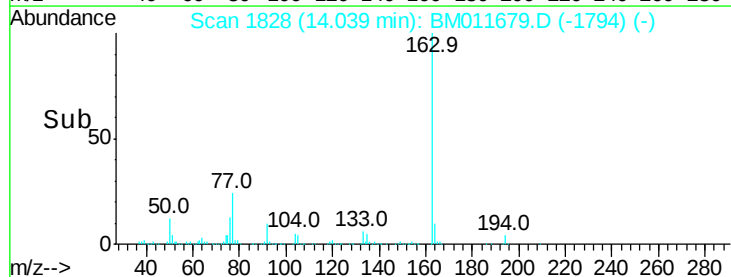
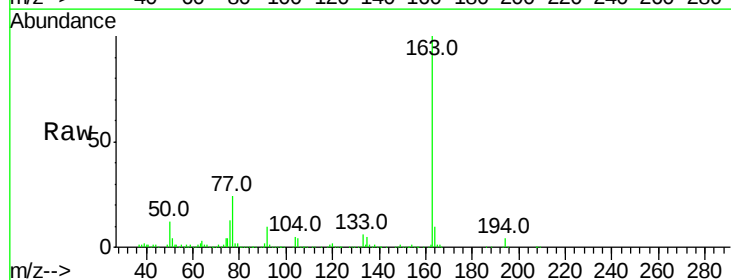
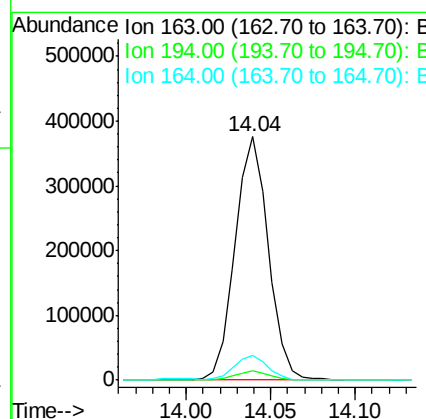
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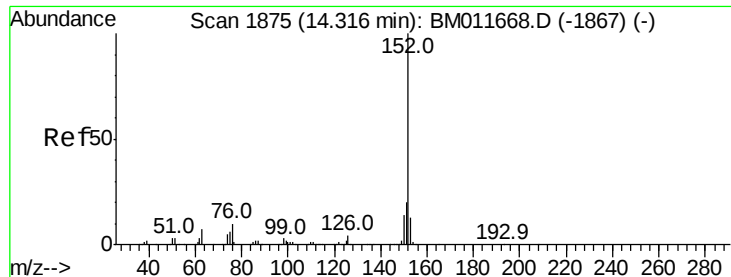
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#45
 Dimethylphthalate
 Concen: 5.975 ng/ul
 RT: 14.04 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BM011679.D
 Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.2	8.4	12.6





#48

Acenaphthylene

Concen: 1.156 ng/ul

RT: 14.32 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

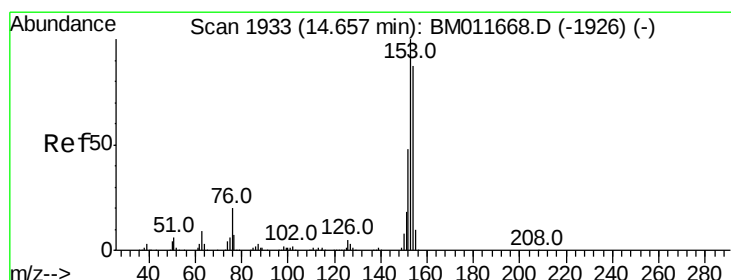
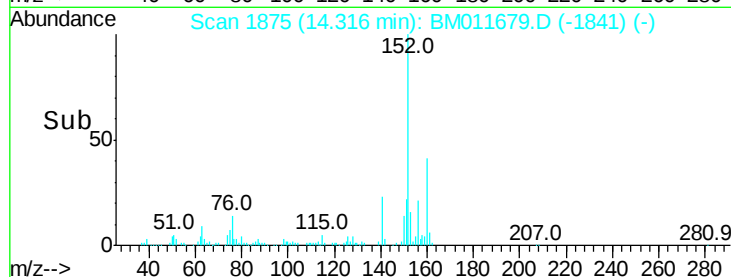
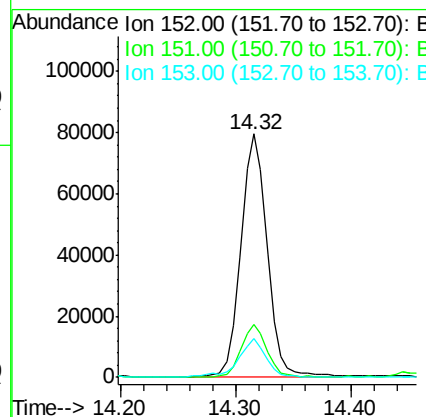
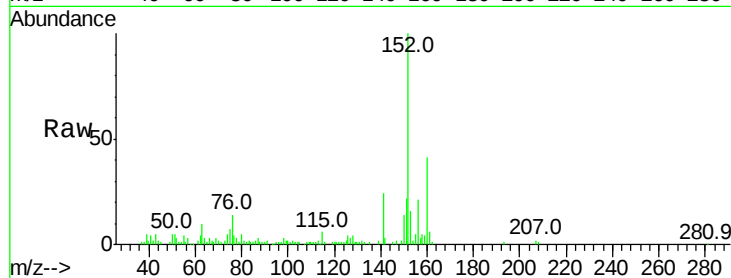
ClientSampleId :

CB3C7

Tot Ion:	152	Resp:	126220
Ion Ratio	Lower	Upper	
152	100		
151	21.6	16.1	24.1
153	15.8	10.8	16.2

Manual Integrations
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#50

Acenaphthene

Concen: 4.872 ng/ul

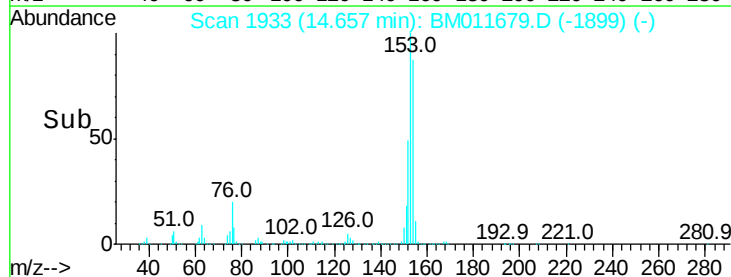
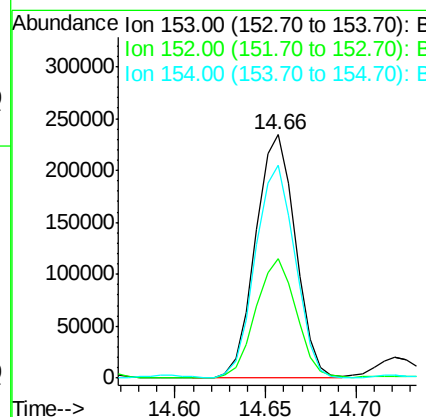
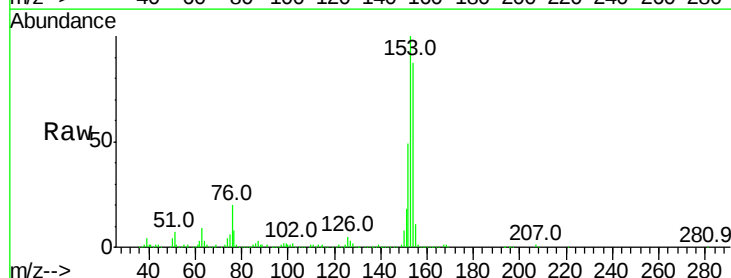
RT: 14.66 min Scan# 1933

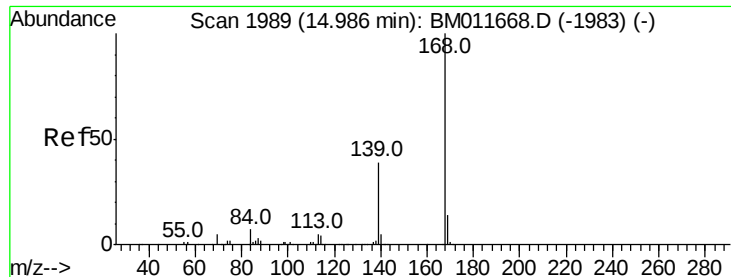
Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:	153	Resp:	359547
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.9	56.9
154	87.2	69.8	104.6





#54

Dibenzenofuran

Concen: 3.108 ng/ul

RT: 14.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

CB3C7

Tot Ion:168 Resp: 320833

Ion Ratio Lower Upper

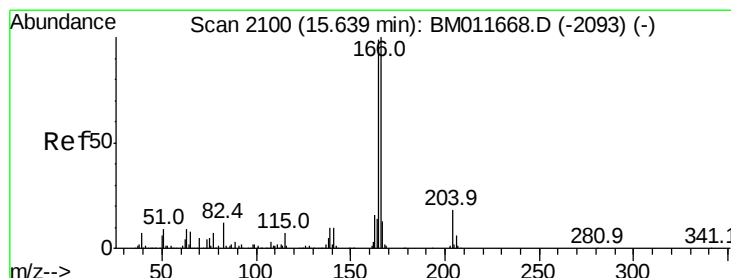
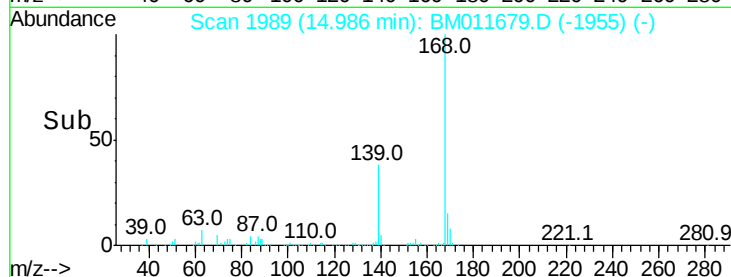
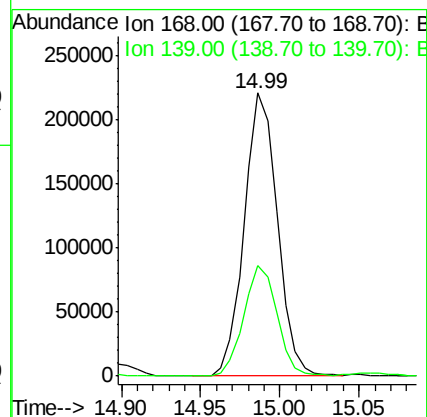
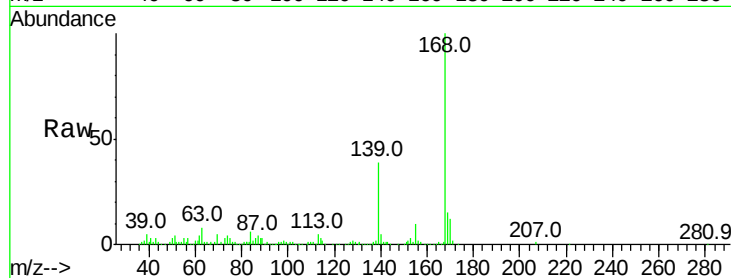
168 100

139 39.0 31.0 46.4

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#59

Fluorene

Concen: 4.000 ng/ul

RT: 15.64 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

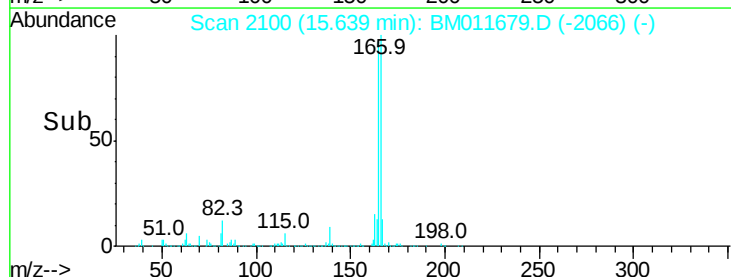
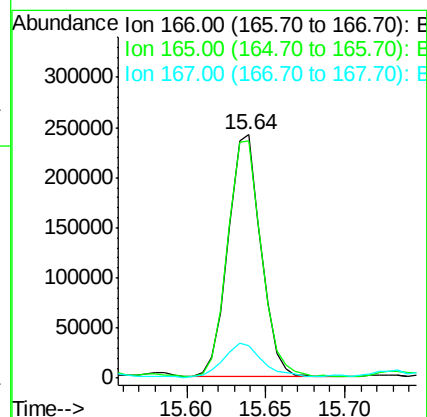
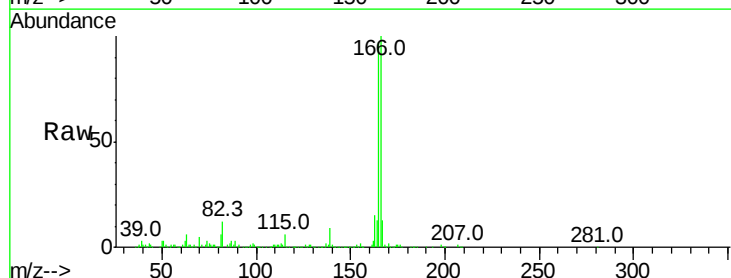
Tgt Ion:166 Resp: 346049

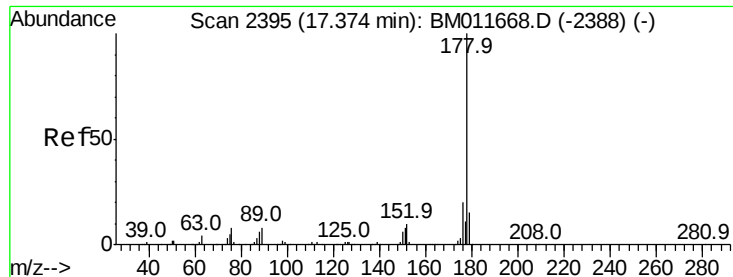
Ion Ratio Lower Upper

166 100

165 97.3 78.4 117.6

167 13.1 11.1 16.7





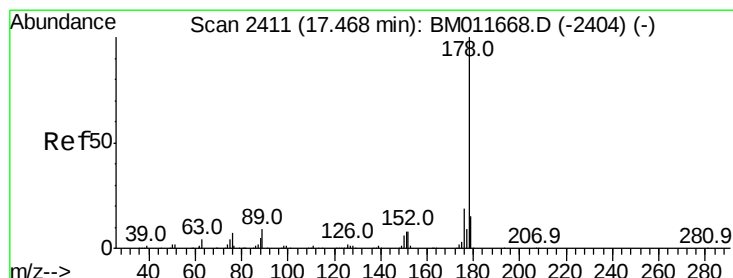
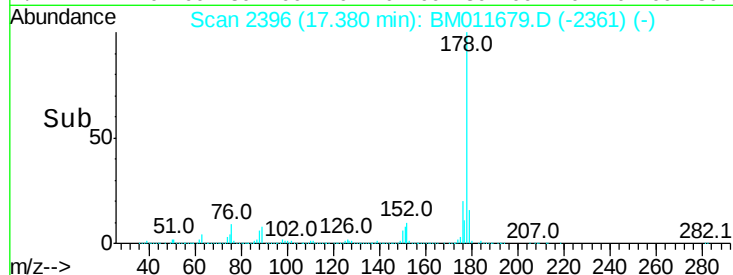
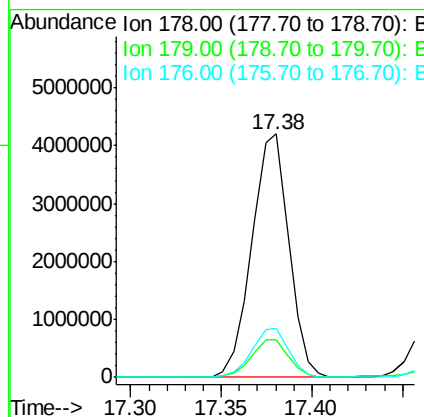
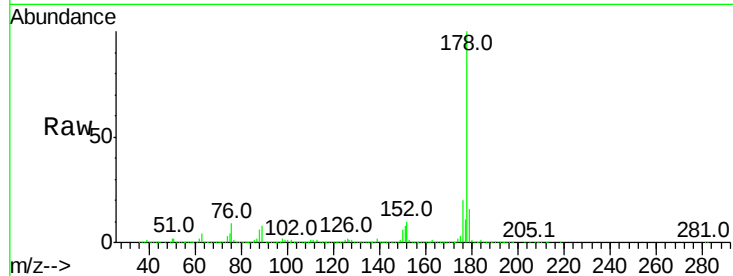
#70
Phenanthrene
Concen: 46.911 ng/ul
RT: 17.38 min Scan# 2396
Delta R.T. 0.01 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Instrument :
BNA_M
ClientSampled :
CB3C7

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	20.4	15.4	23.0

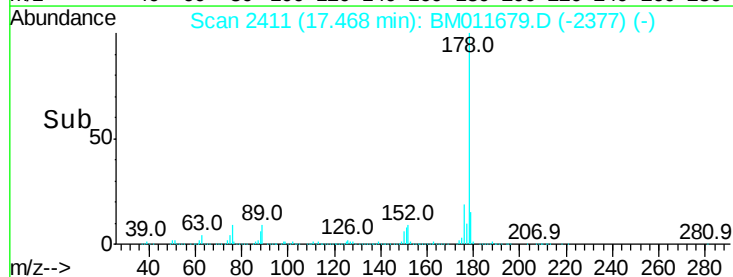
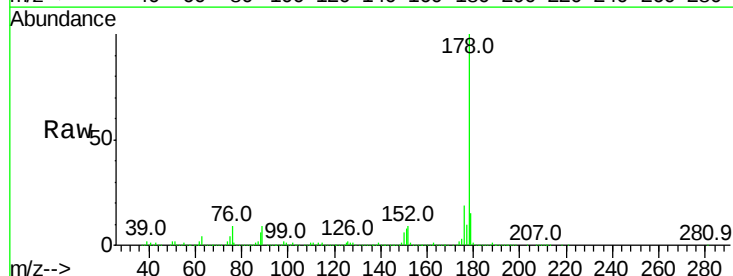
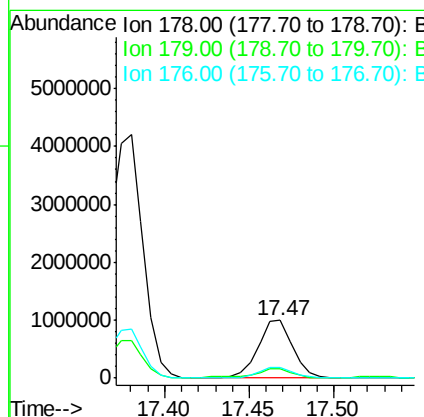
Manual Integrations
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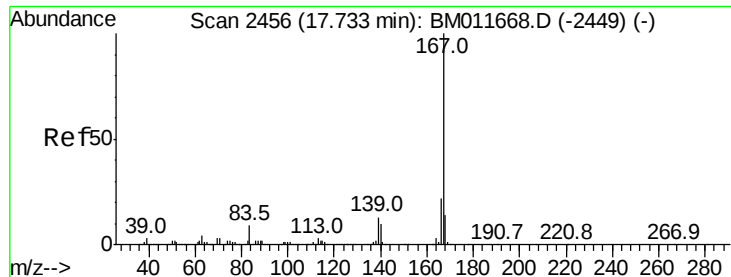
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#72
Anthracene
Concen: 10.793 ng/ul
RT: 17.47 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	13.4	20.2
176	19.1	15.4	23.0





#75

Carbazole

Concen: 4.672 ng/ul

RT: 17.73 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

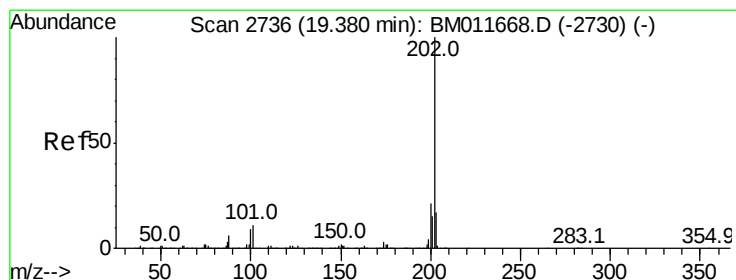
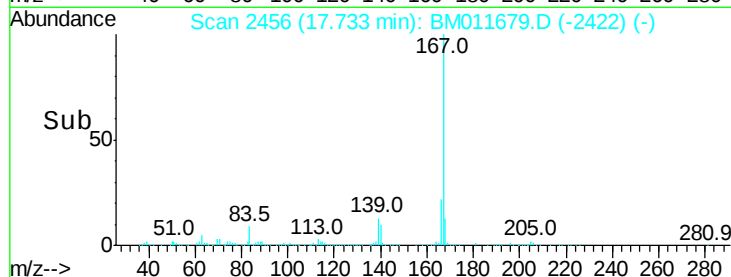
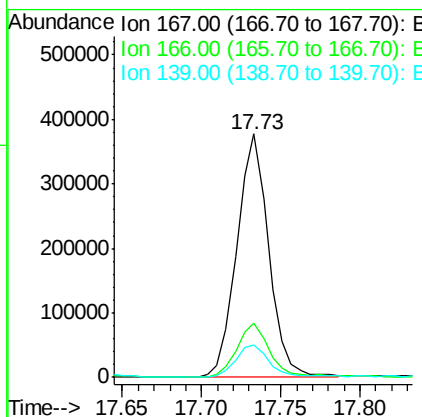
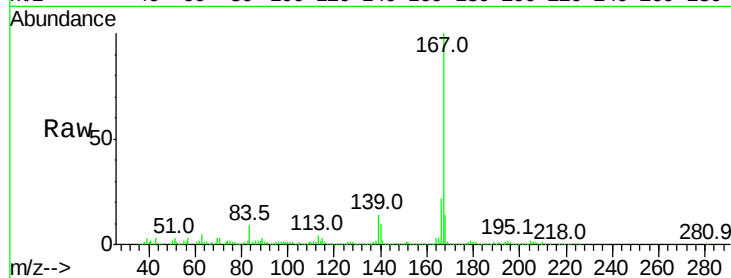
ClientSampled :

CB3C7

Tot Ion:	167	Resp:	521665
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.0	25.4
139	13.6	9.1	13.7

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#77

Fluoranthene

Concen: 63.908 ng/ul

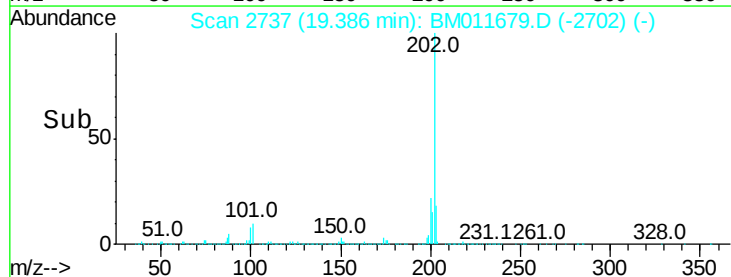
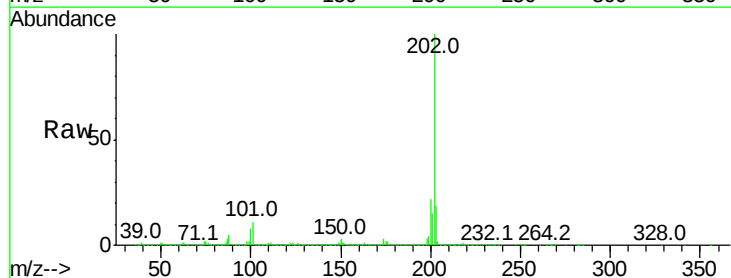
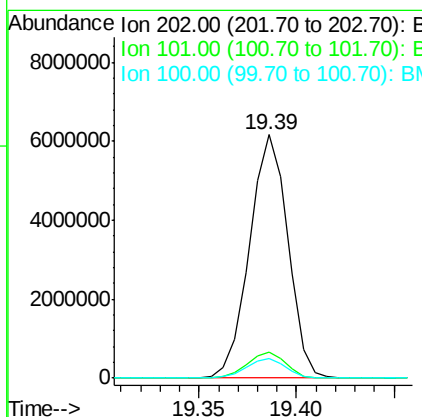
RT: 19.39 min Scan# 2737

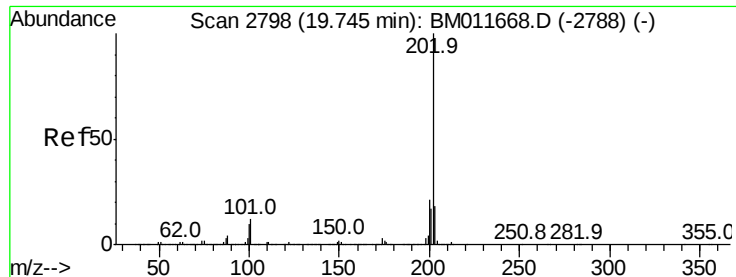
Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:	202	Resp:	8383970
Ion Ratio	Lower	Upper	
202	100		
101	10.7	6.1	9.1#
100	8.2	4.6	7.0#





#80

Pvrene

Concen: 60.266 ng/ul

RT: 19.75 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

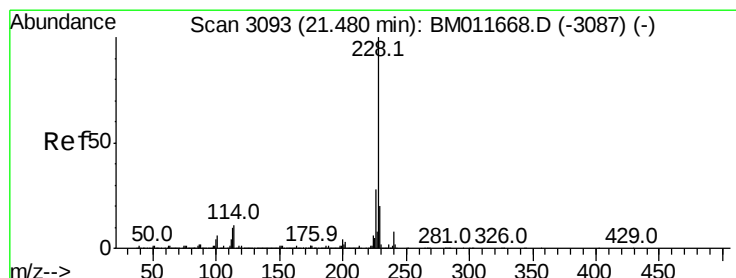
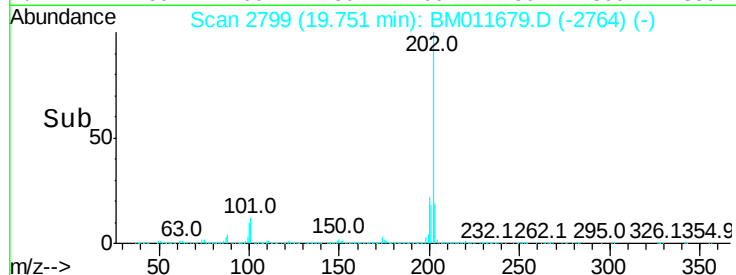
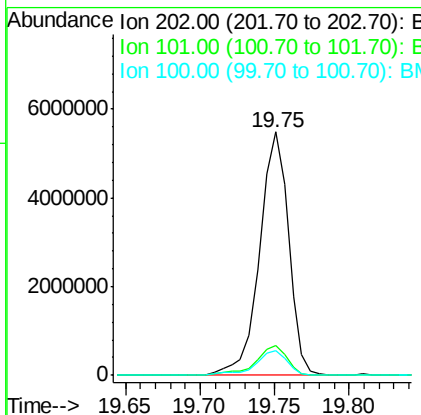
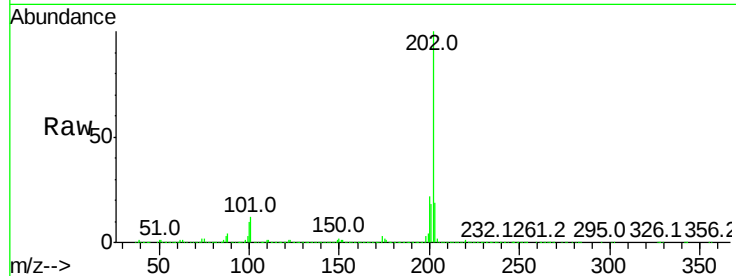
ClientSampleId :

CB3C7

Tot Ion:	202	Resp:	7319892
Ion Ratio	Lower	Upper	
202	100		
101	12.4	6.9	10.3#
100	10.1	5.6	8.4#

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#83

Benzo(a)anthracene

Concen: 28.899 ng/ul

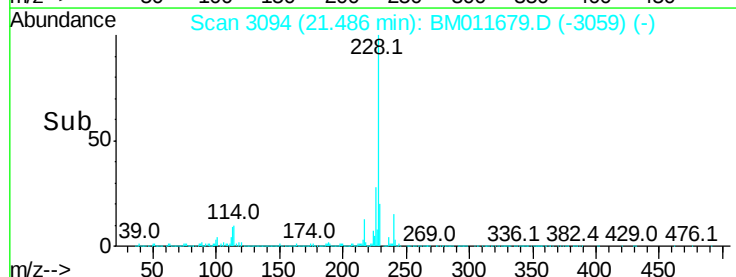
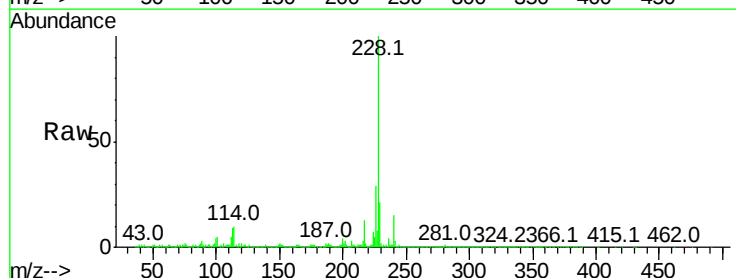
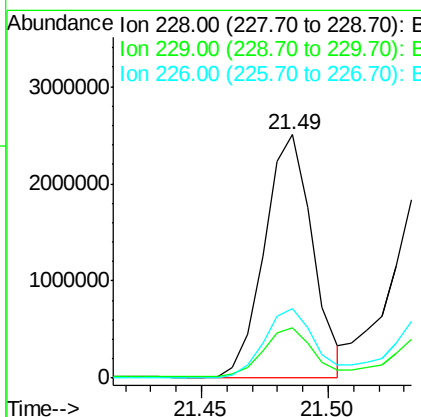
RT: 21.49 min Scan# 3094

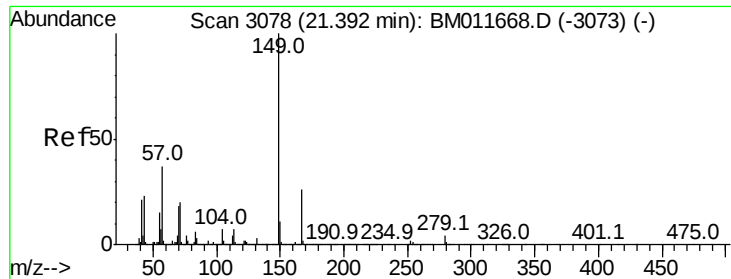
Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:	228	Resp:	3312510
Ion Ratio	Lower	Upper	
228	100		
229	20.8	16.0	24.0
226	28.5	21.8	32.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.843 ng/ul

RT: 21.39 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

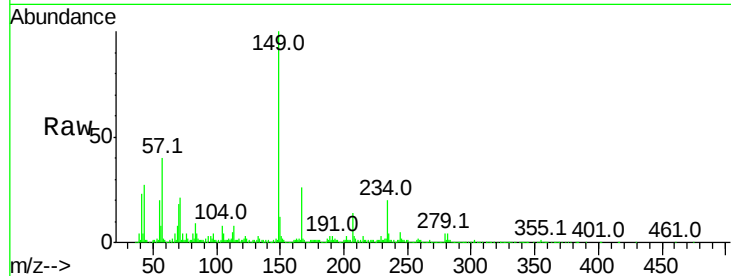
ClientSampleId :

CB3C7

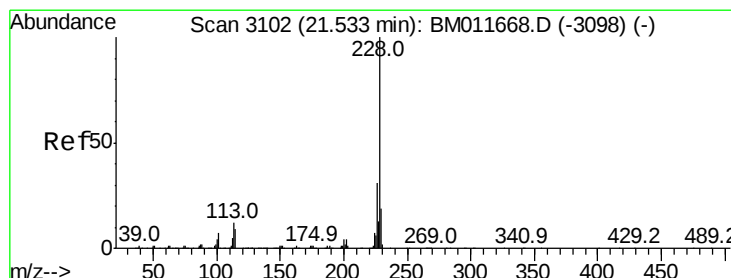
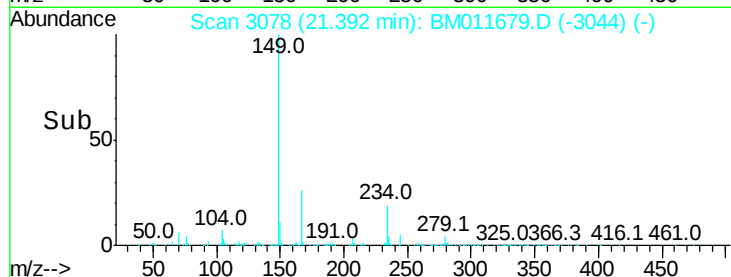
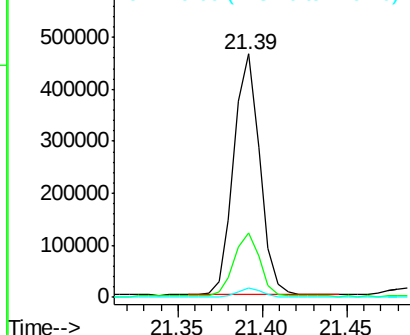
Tot Ion:	149	Resp:	501248
Ion Ratio	Lower	Upper	
149	100		
167	26.5	23.0	34.6
279	3.7	4.3	6.5#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 29.291 ng/ul

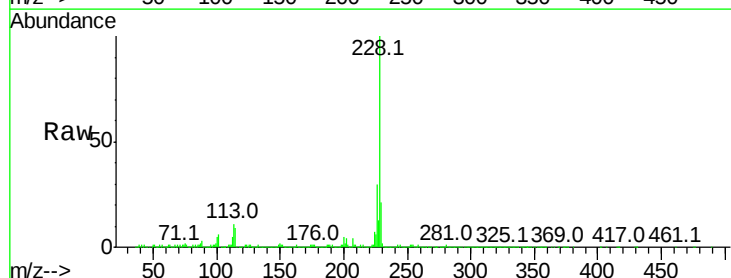
RT: 21.54 min Scan# 3103

Delta R.T. 0.01 min

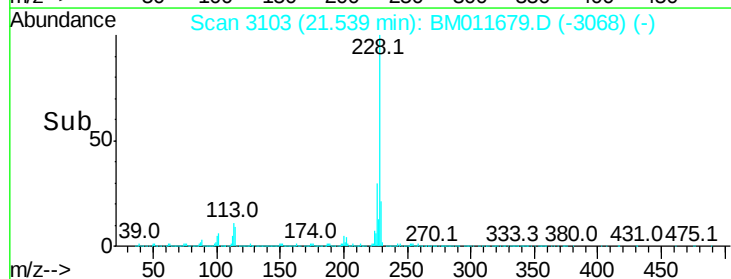
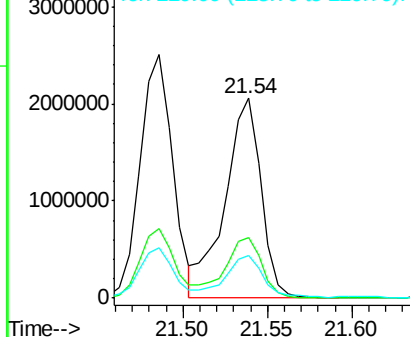
Lab File: BM011679.D

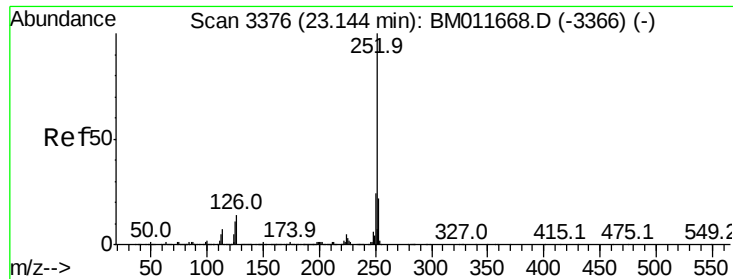
Acq: 22 Sep 2017 06:32

Tgt Ion:	228	Resp:	3043703
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.1	36.1
229	21.2	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 31.828 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

ClientSampleId :

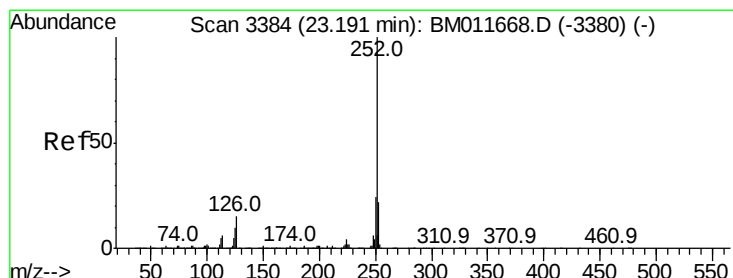
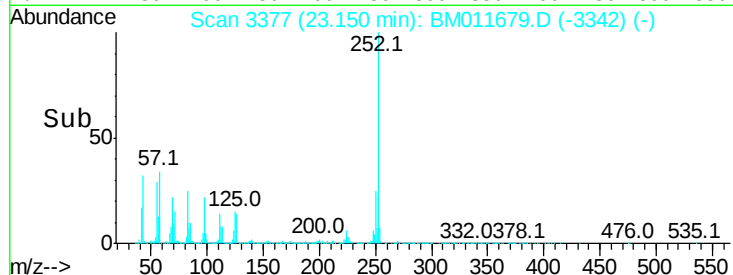
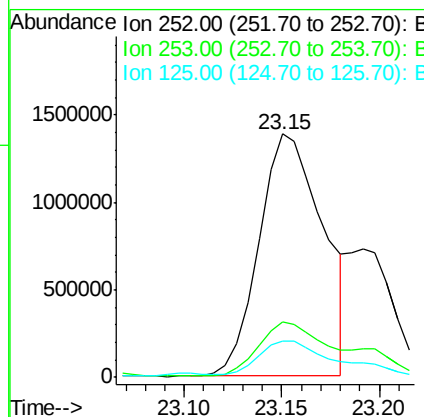
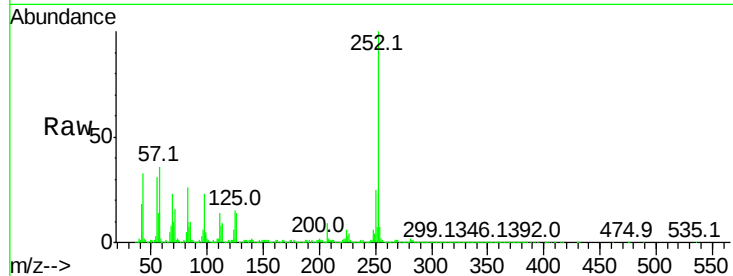
CB3C7

Tot Ion:	252	Resp:	3157251
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	15.0	4.9	7.3#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 12.256 ng/ul m

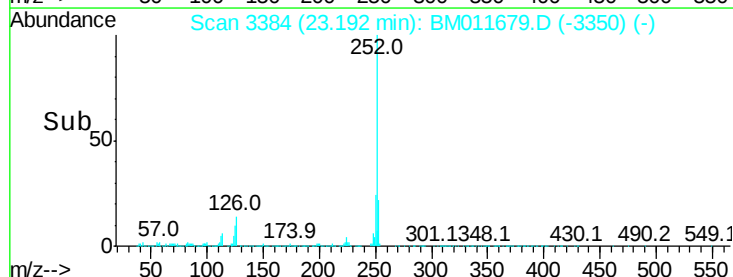
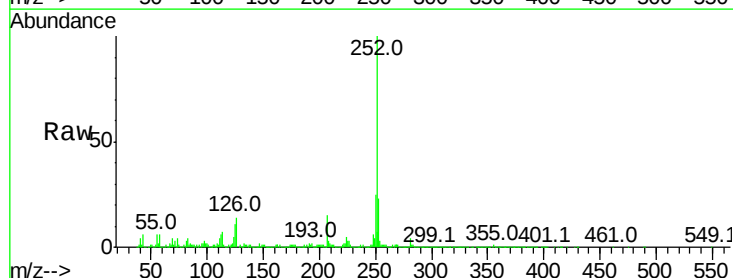
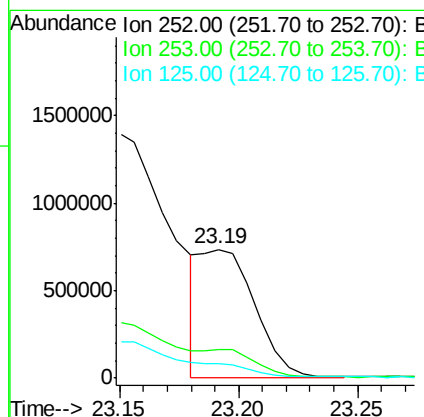
RT: 23.19 min Scan# 3384

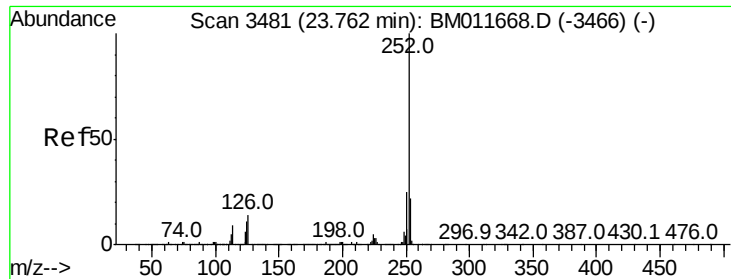
Delta R.T. 0.00 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:	252	Resp:	1167565
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	11.5	5.4	8.0#





#91

Benzo(a)pyrene

Concen: 22.880 ng/ul

RT: 23.77 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Instrument :

BNA_M

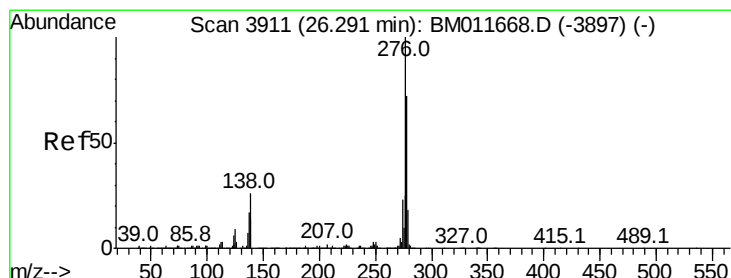
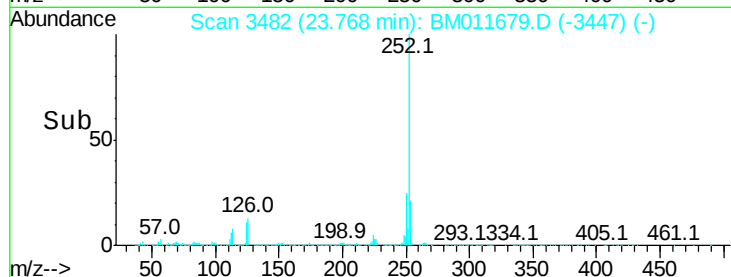
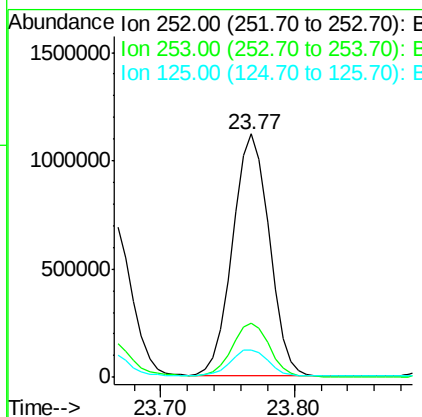
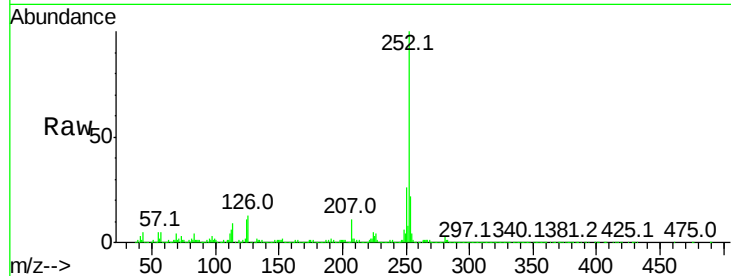
ClientSampled :

CB3C7

Tot Ion:	252	Resp:	2142231
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	11.3	5.8	8.6#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 13.265 ng/ul

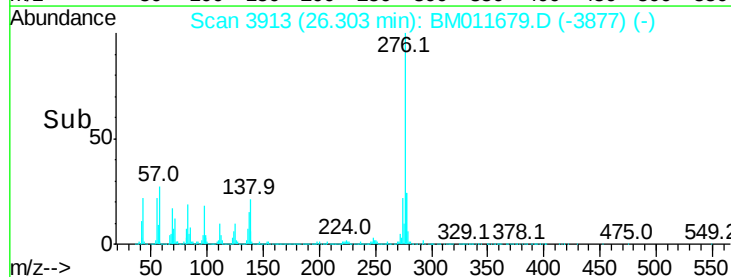
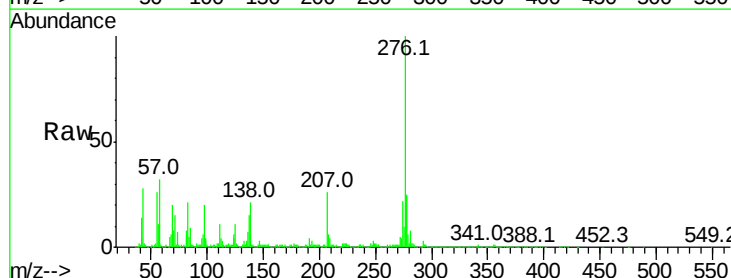
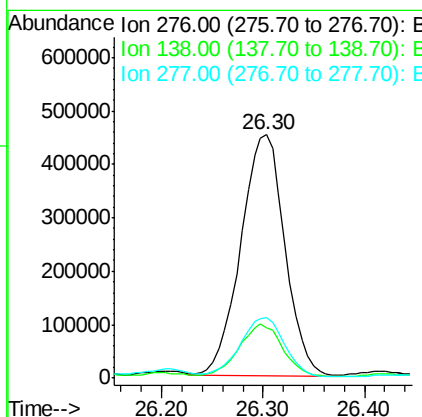
RT: 26.30 min Scan# 3913

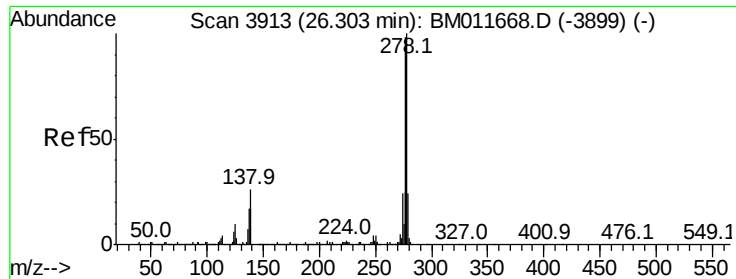
Delta R.T. 0.01 min

Lab File: BM011679.D

Acq: 22 Sep 2017 06:32

Tgt Ion:	276	Resp:	1366262
Ion Ratio	Lower	Upper	
276	100		
138	20.9	10.9	16.3#
277	24.8	18.9	28.3





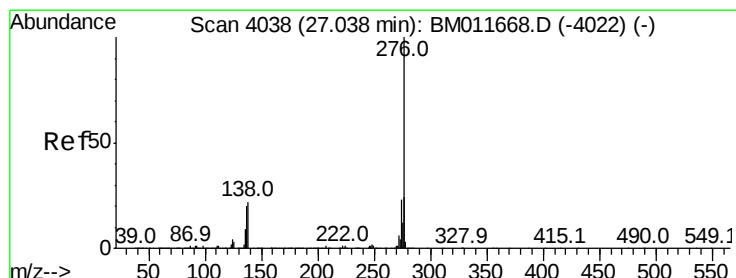
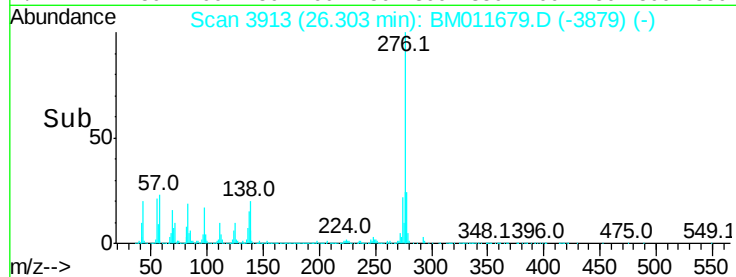
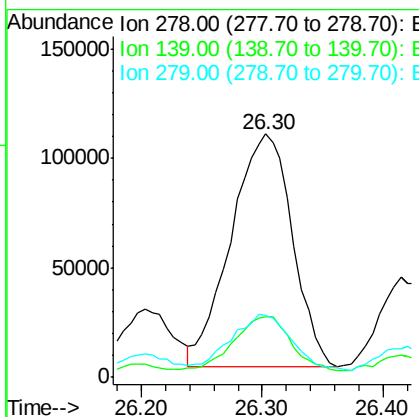
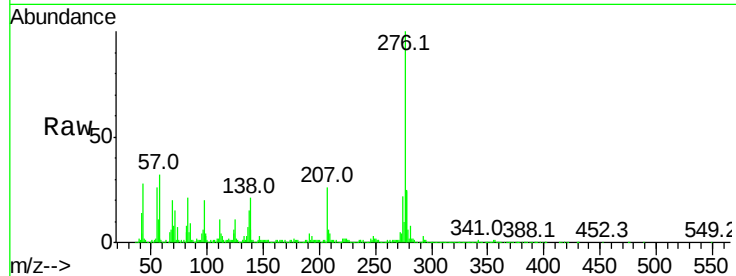
#93
Dibenzo(a,h)anthracene
Concen: 4.269 ng/ul
RT: 26.30 min Scan# 3913
Delta R.T. 0.00 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Instrument :
BNA_M
ClientSampled :
CB3C7

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.8	9.0	13.4#
279	25.4	19.1	28.7

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#94
Benzo(g,h,i)perylene
Concen: 12.151 ng/ul
RT: 27.05 min Scan# 4040
Delta R.T. 0.01 min
Lab File: BM011679.D
Acq: 22 Sep 2017 06:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	11.2	16.8#
277	24.2	19.0	28.6

