

Data File : BM010726.D
Acq On : 24 Jun 2017 12:50
Operator : SJ/JU
Sample : I3653-02ME 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5B19ME

Manual Integrations
APPROVED

mohammad
6/28/2017 7:49:38 AM

Quant Time: Jun 26 04:26:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 26 01:49:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	88038	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	405270	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	282422	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	694821	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	784019	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	590466	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	649	0.42	ng/uL	0.00
5) Phenol-d5	6.65	99	32091	3.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	18754	3.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	24807	4.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	27571	3.97	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	11940	4.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	14851	4.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	31196	4.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	39741	5.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	115897	4.67	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	130832	4.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	15070	3.45	ng/ul	0.00
57) Fluorene-d10	15.11	176	102046	4.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	14669	3.44	ng/ul	0.00
70) Anthracene-d10	16.96	188	164895m	4.91	ng/ul	0.00
76) Pyrene-d10	19.27	212	196347	5.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	134646	4.72	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.28	128	2898107	143.70	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	516182	31.84	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	154701	7.01	ng/ul	96
47) Acenaphthylene	13.83	152	52460	1.91	ng/ul	98
49) Acenaphthene	14.17	153	490384	26.47	ng/ul	100
53) Dibenzofuran	14.52	168	607069	21.63	ng/ul	91
58) Fluorene	15.17	166	646417	27.52	ng/ul	99
69) Phenanthrene	16.92	178	2995301	81.09	ng/ul	99
71) Anthracene	17.00	178	511961	13.45	ng/ul	98
72) Carbazole	17.27	167	342538	10.32	ng/ul	98
74) Fluoranthene	18.94	202	1876822	39.42	ng/ul#	97
77) Pyrene	19.30	202	1226441	27.08	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	371556	8.14	ng/ul	99
82) Chrysene	21.12	228	287933	7.07	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	169399	4.42	ng/ul#	94
86) Benzo(k)fluoranthene	22.62	252	51706	1.42	ng/ul#	94
88) Benzo(a)pyrene	23.13	252	90824	2.57	ng/ul	96

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

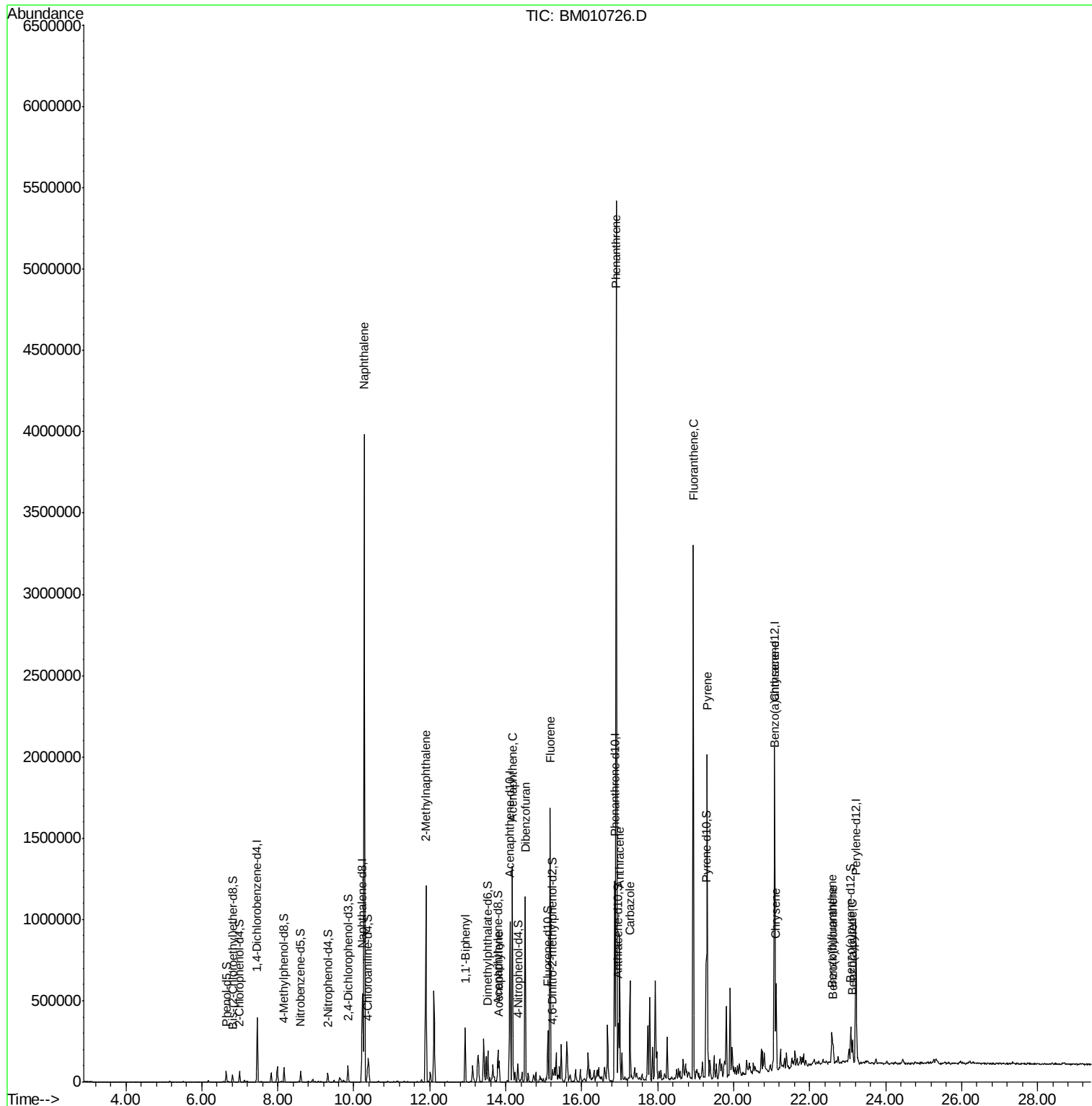
Data File : BM010726.D
Acq On : 24 Jun 2017 12:50
Operator : SJ/JU
Sample : I3653-02ME 5X
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ALS Vial : 42 Sample Multiplier: 1

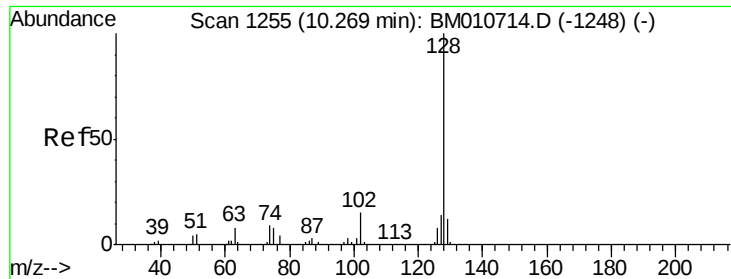
Instrument :
BNA_M
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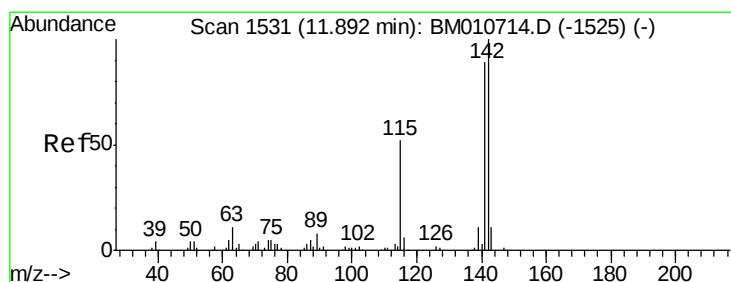
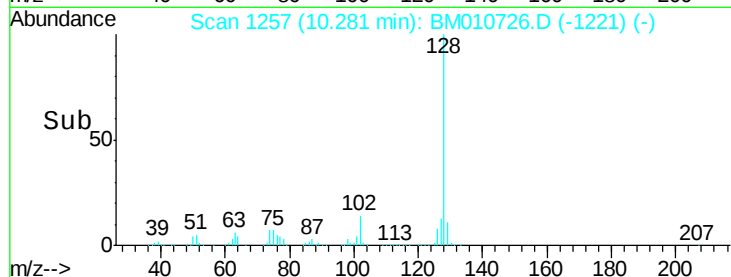
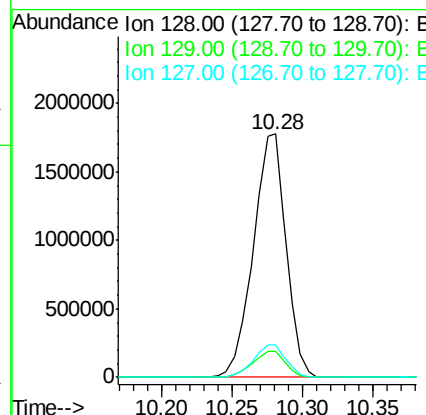
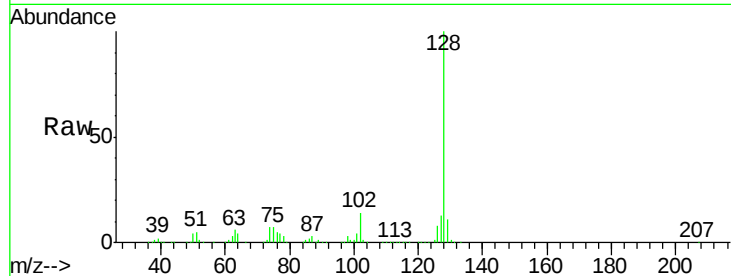
#28
Naphthalene
Concen: 143.70 ng/ul
RT: 10.28 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Instrument :
BNA_M
ClientSampleId :
F5B19ME

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.5	10.6	16.0

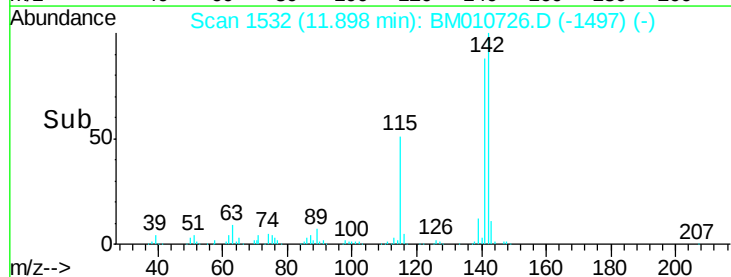
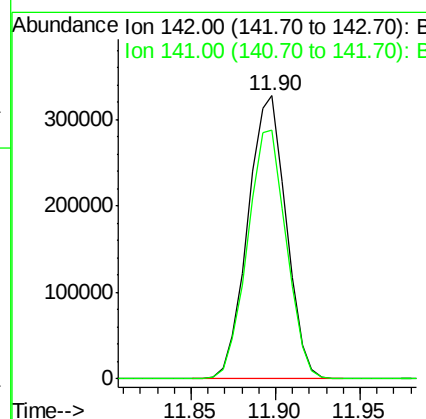
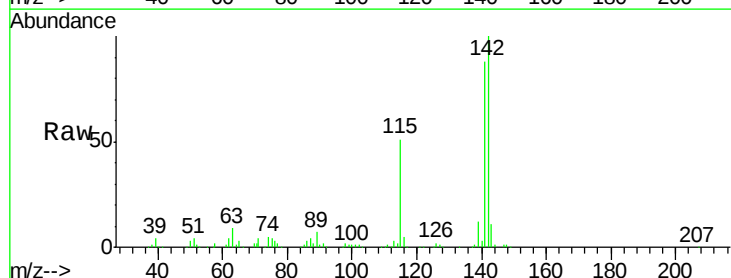
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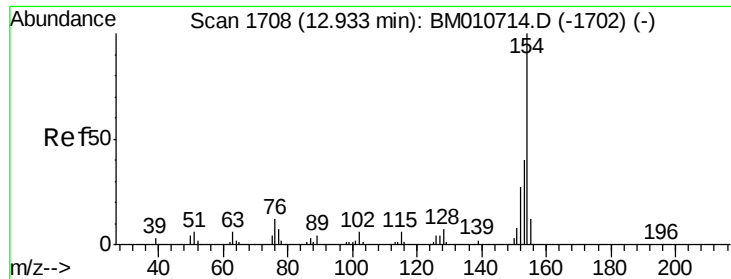
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#34
2-Methylnaphthalene
Concen: 31.84 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	74.1	111.1





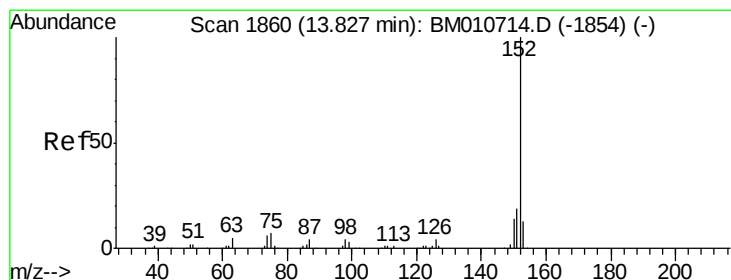
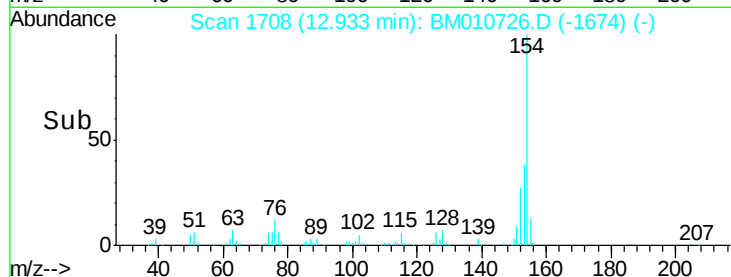
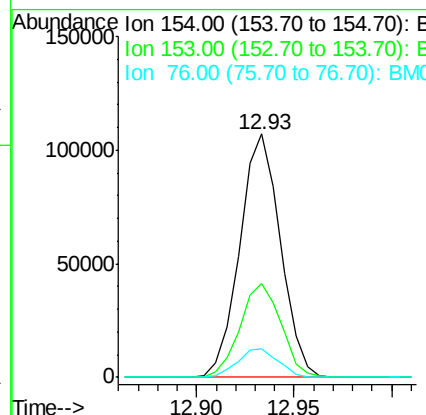
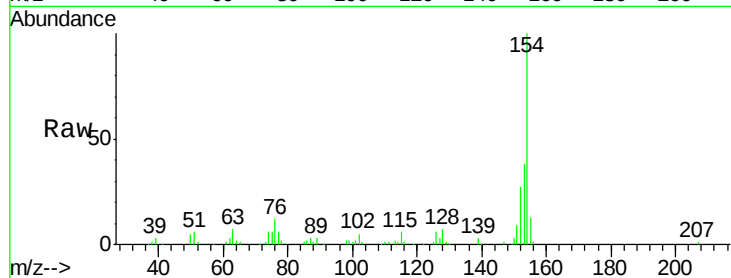
#40
1,1'-Biphenyl
Concen: 7.01 ng/ul
RT: 12.93 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Instrument :
BNA_M
ClientSampled :
F5B19ME

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	154701		
153	38.4	32.6	48.8	
76	11.8	8.5	12.7	

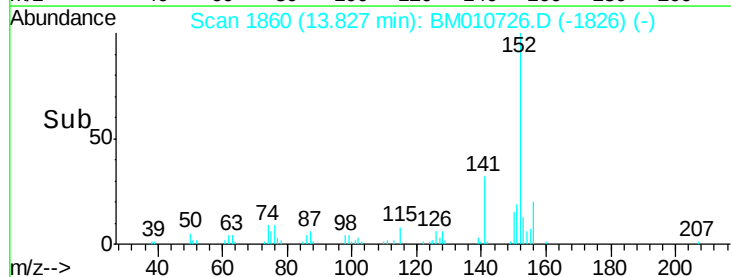
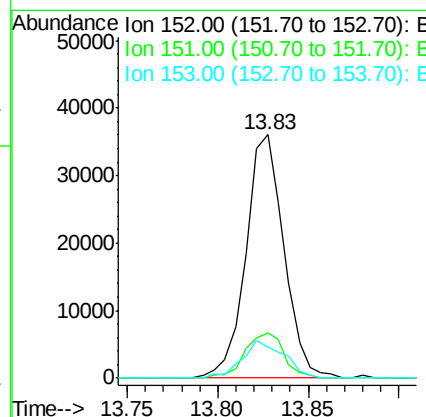
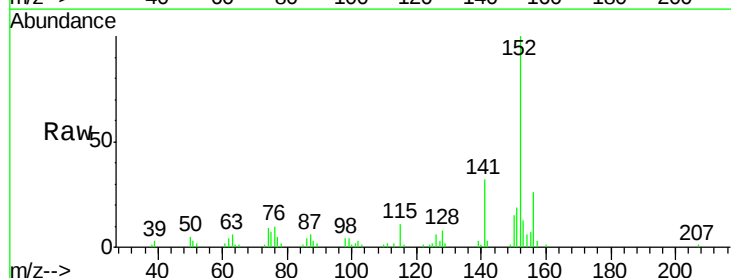
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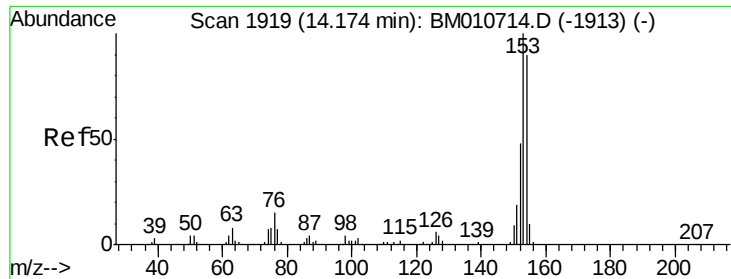
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#47
Acenaphthylene
Concen: 1.91 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	52460		
151	18.7	16.3	24.5	
153	12.9	10.2	15.4	





#49

Acenaphthene

Concen: 26.47 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

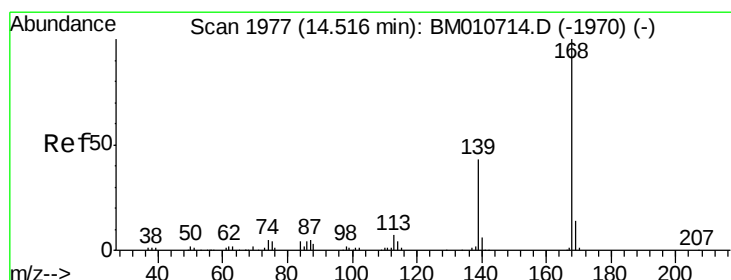
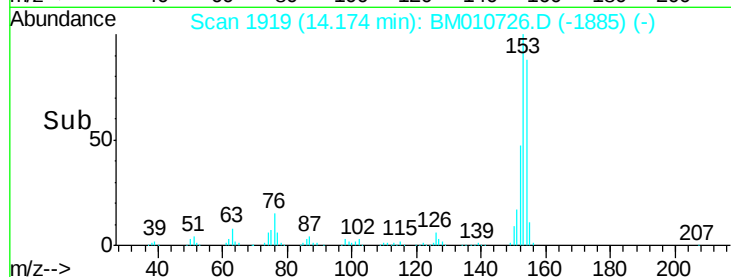
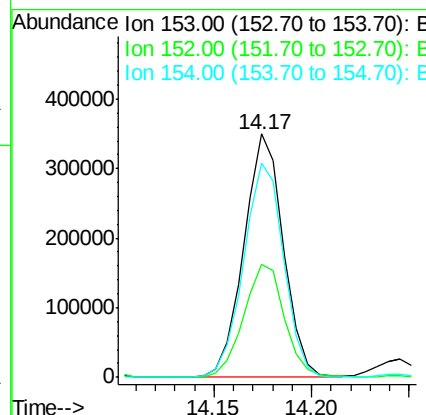
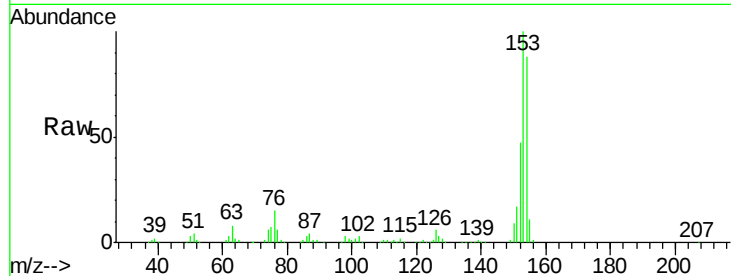
ClientSampleId :

F5B19ME

Tgt Ion:	153	Resp:	490384
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.6	56.4
154	88.0	70.4	105.6

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#53

Dibenzofuran

Concen: 21.63 ng/ul

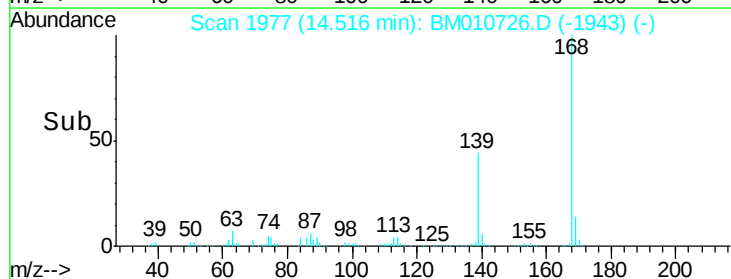
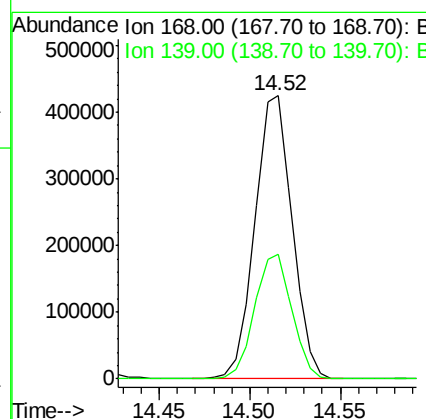
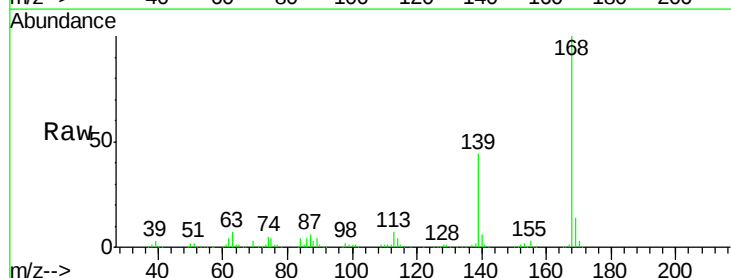
RT: 14.52 min Scan# 1977

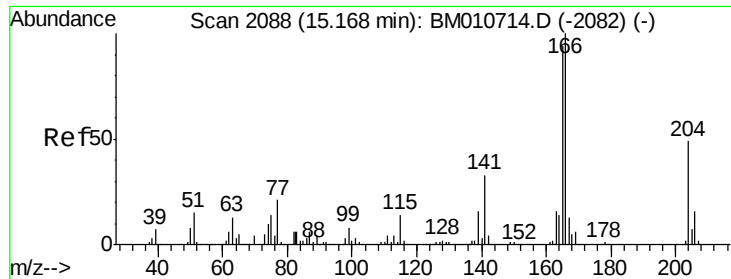
Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Tgt Ion:	168	Resp:	607069
Ion Ratio	Lower	Upper	
168	100		
139	44.1	30.8	46.2





#58

Fluorene

Concen: 27.52 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

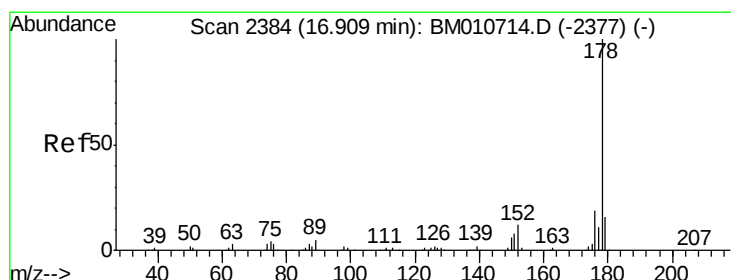
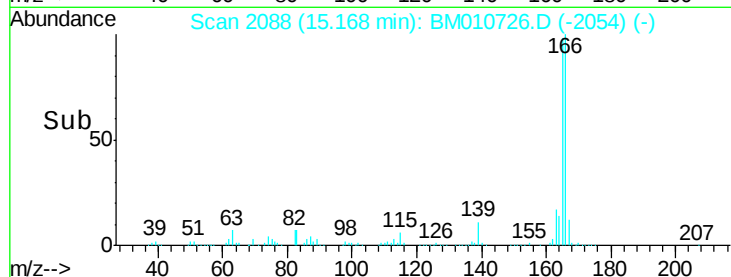
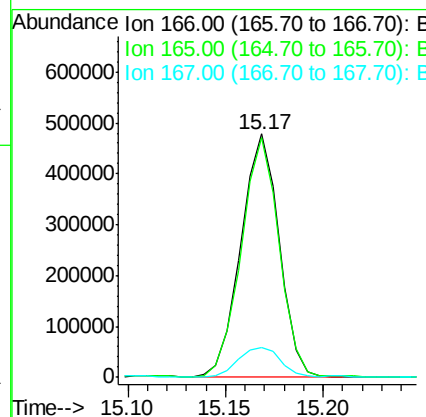
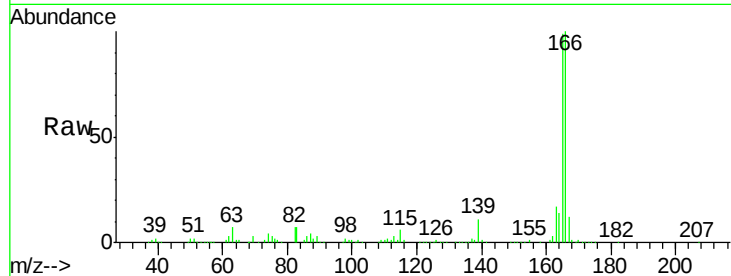
ClientSampleId :

F5B19ME

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.9	116.9
167	12.5	10.6	16.0

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#69

Phenanthrene

Concen: 81.09 ng/ul

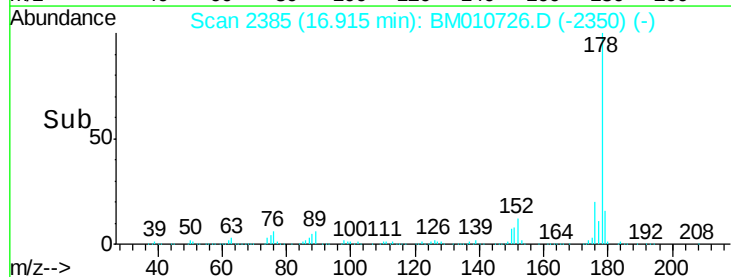
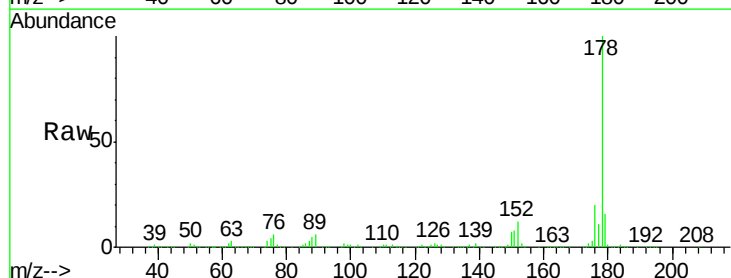
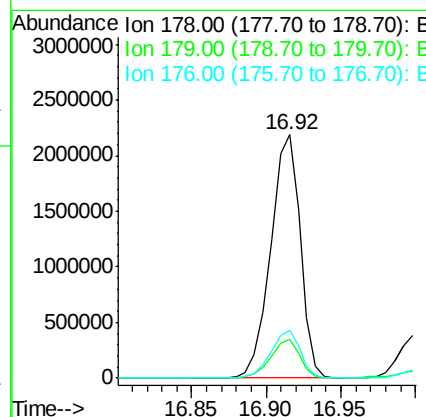
RT: 16.92 min Scan# 2385

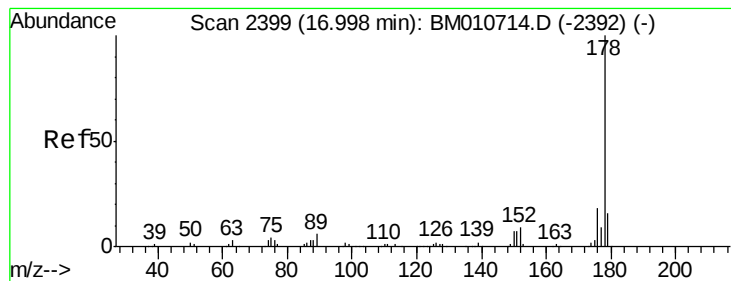
Delta R.T. 0.01 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.6	14.9	22.3





#71

Anthracene

Concen: 13.45 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

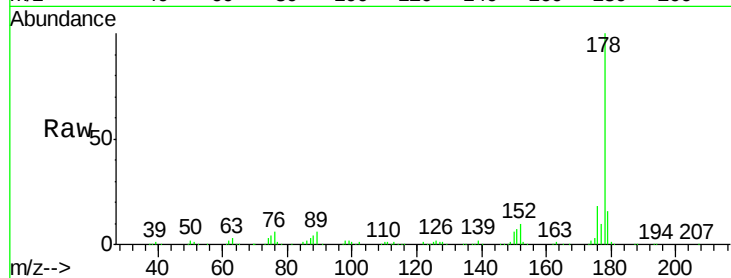
ClientSampleId :

F5B19ME

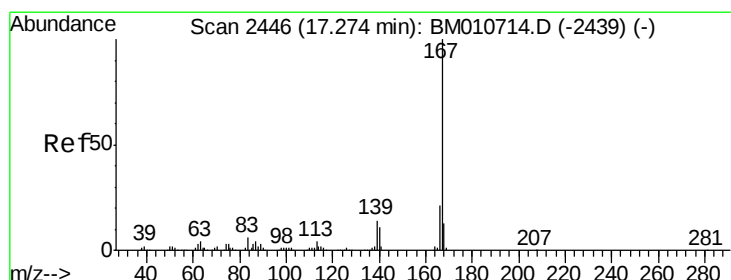
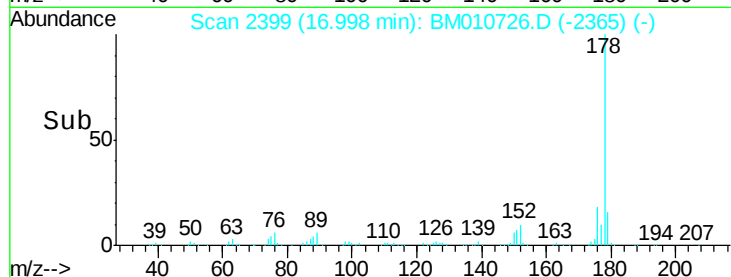
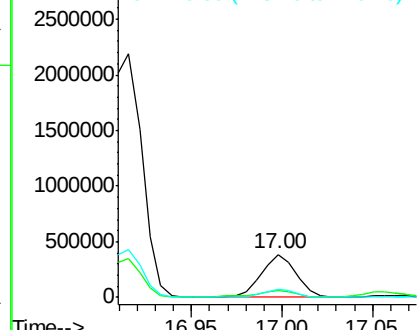
Tgt Ion:	178	Resp:	511961
Ion Ratio	Lower	Upper	
178	100		
179	15.9	11.7	17.5
176	18.4	14.6	21.8

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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



#72

Carbazole

Concen: 10.32 ng/ul

RT: 17.27 min Scan# 2446

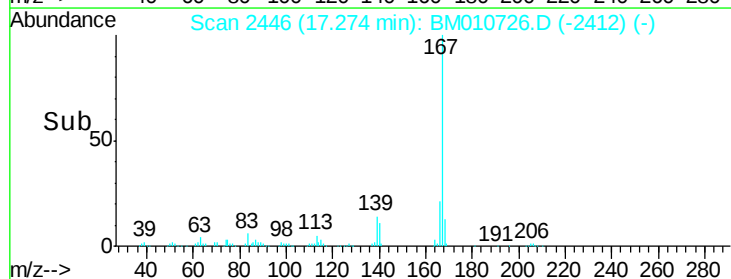
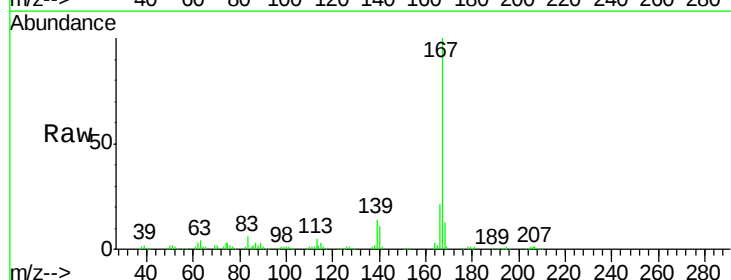
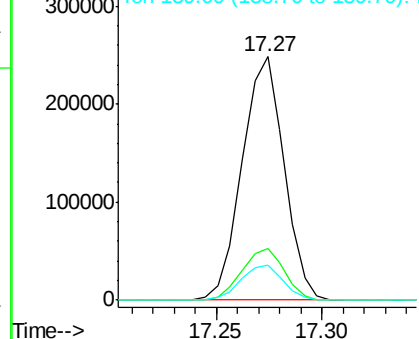
Delta R.T. 0.00 min

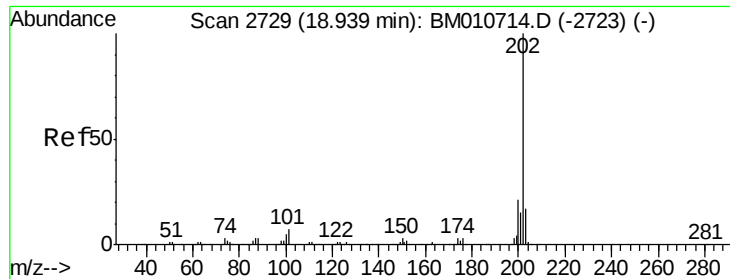
Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Tgt Ion:	167	Resp:	342538
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.1	25.7
139	14.5	10.0	15.0

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.42 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

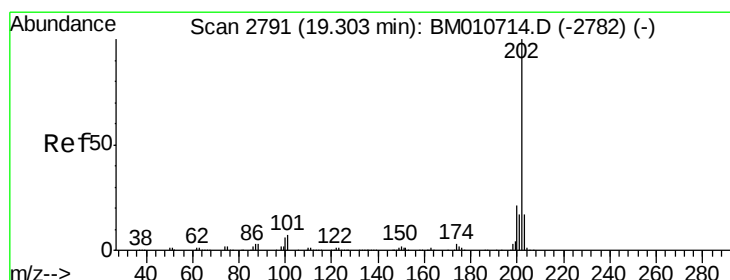
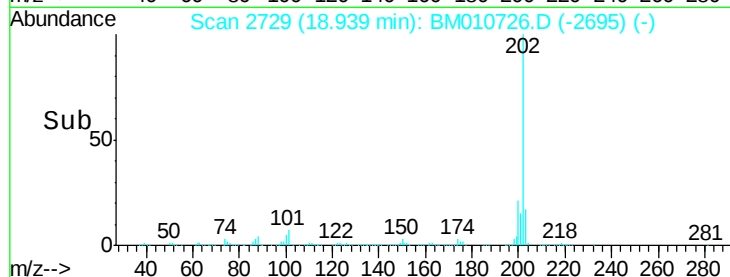
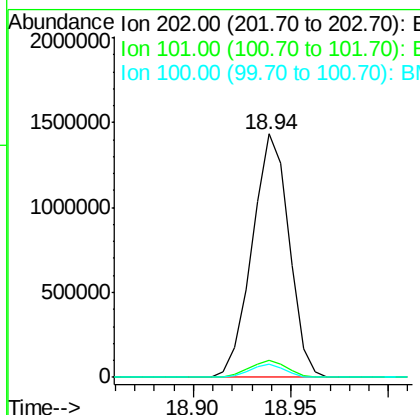
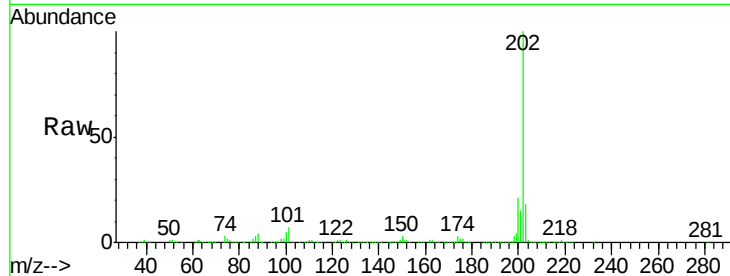
ClientSampleId :

F5B19ME

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1876822		
101	7.1	4.6	7.0#	
100	5.2	3.4	5.2#	

Manual Integrations
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#77

Pyrene

Concen: 27.08 ng/ul

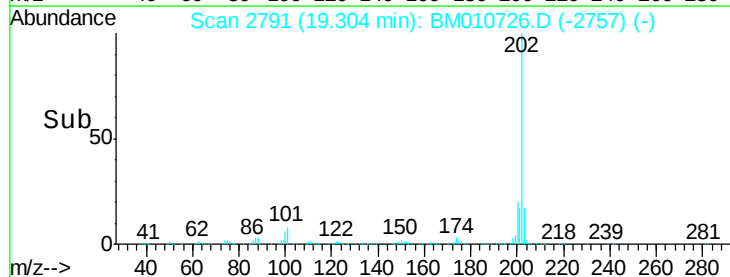
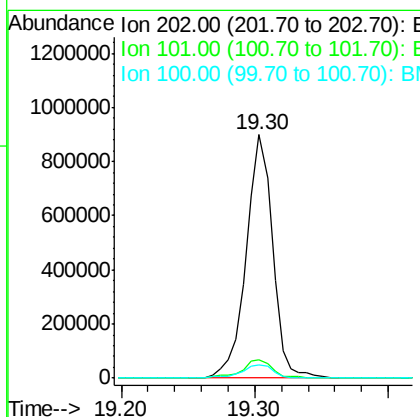
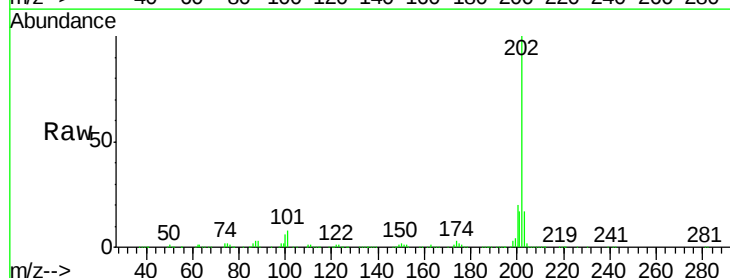
RT: 19.30 min Scan# 2791

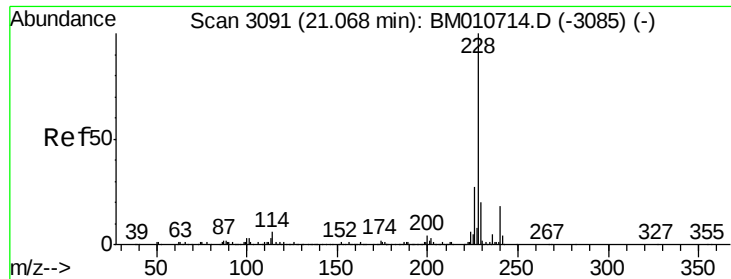
Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1226441		
101	7.7	5.1	7.7#	
100	5.6	4.9	7.3	





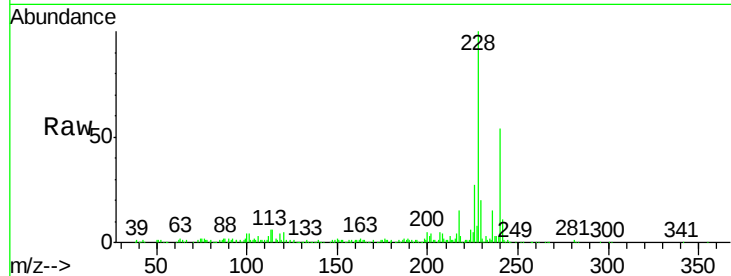
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Benzo(a)anthracene
Concen: 8.14 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Instrument :
BNA_M
ClientSampleId :
F5B19ME

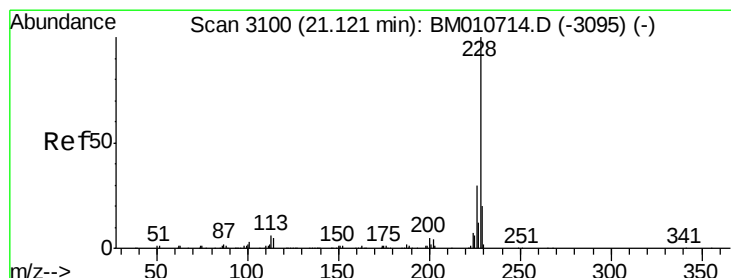
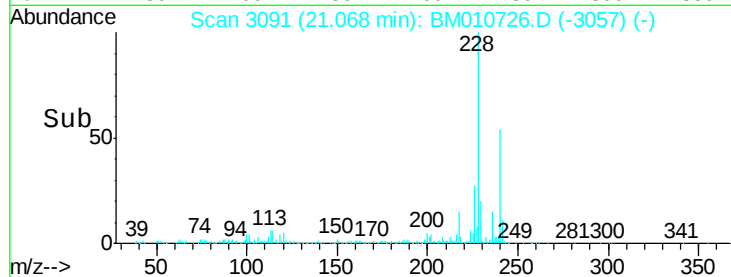
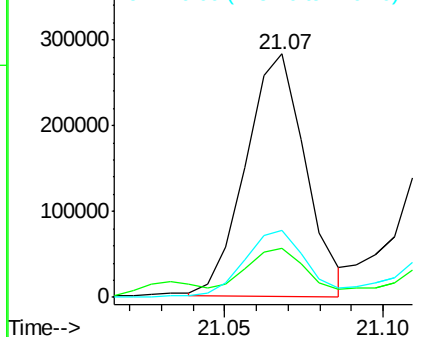
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	371556		
229	20.0	15.4	23.0	
226	27.3	21.4	32.0	

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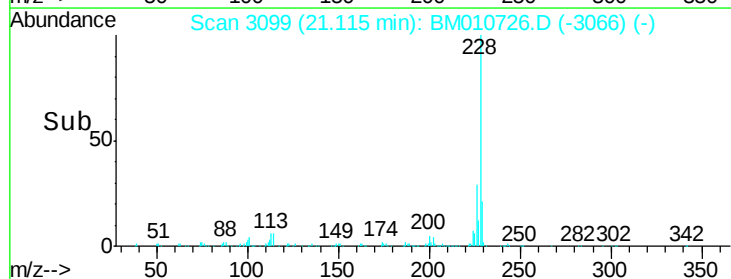
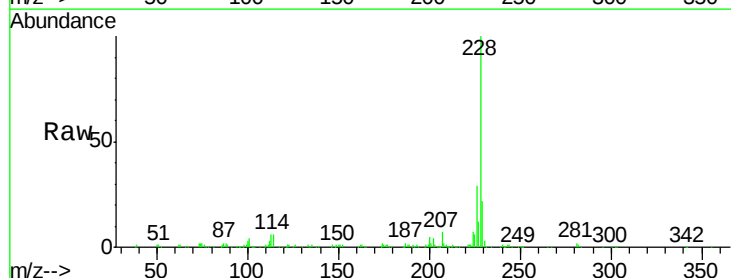
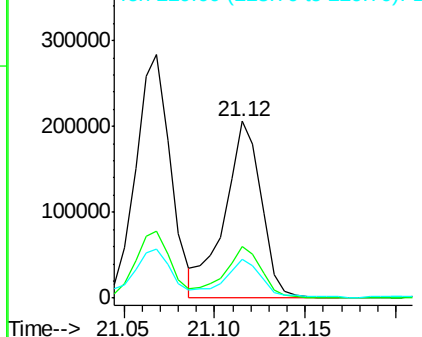
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

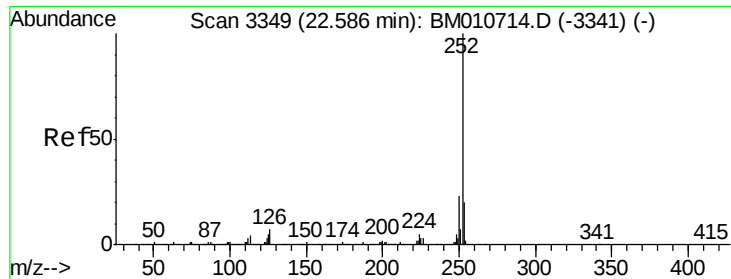


#82
Chrysene
Concen: 7.07 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM010726.D
Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	287933		
226	29.4	23.4	35.2	
229	21.7	15.5	23.3	

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: 4.42 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BM010726.D

Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

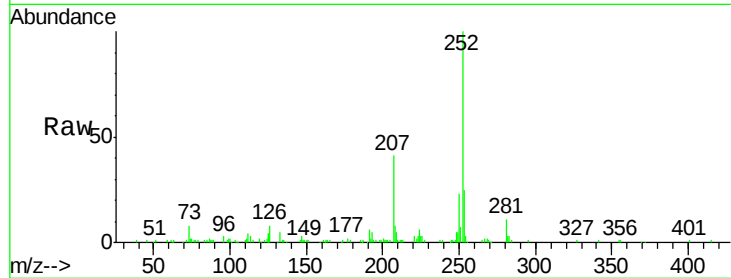
ClientSampled :

F5B19ME

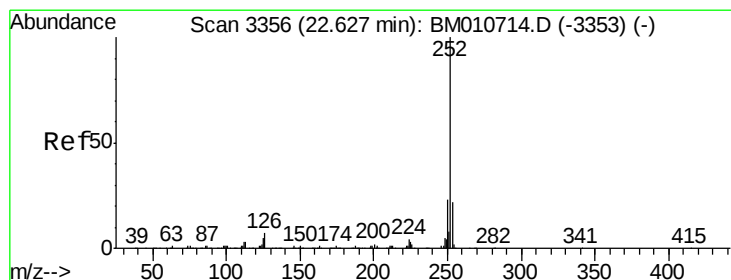
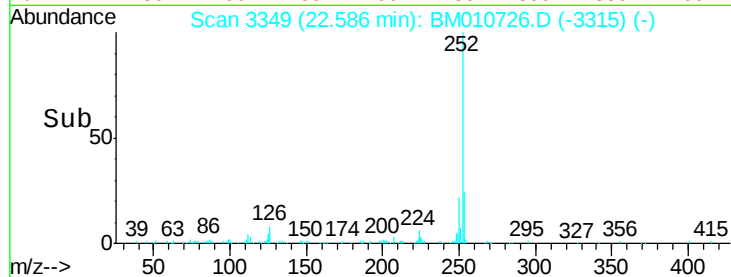
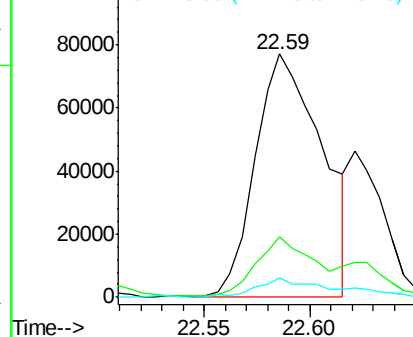
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	169399		
253	24.7	17.9	26.9	
125	7.9	3.6	5.4#	

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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: 1.42 ng/ul

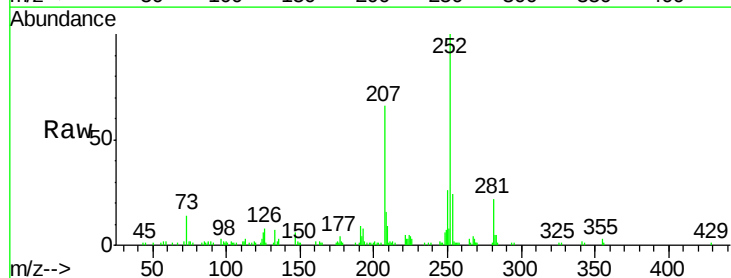
RT: 22.62 min Scan# 3355

Delta R.T. -0.01 min

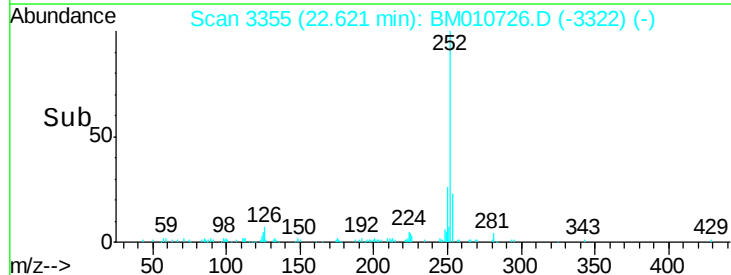
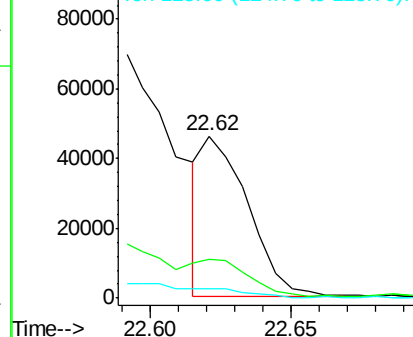
Lab File: BM010726.D

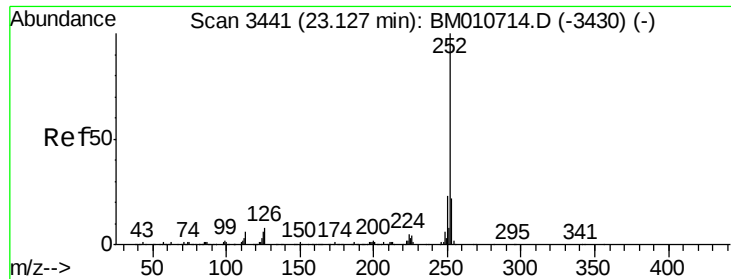
Acq: 24 Jun 2017 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	51706		
253	24.3	17.1	25.7	
125	6.0	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: 2.57 ng/ul

RT: 23.13 min Scan# 3441

Delta R.T. 0.00 min

Lab File: BM010726.D

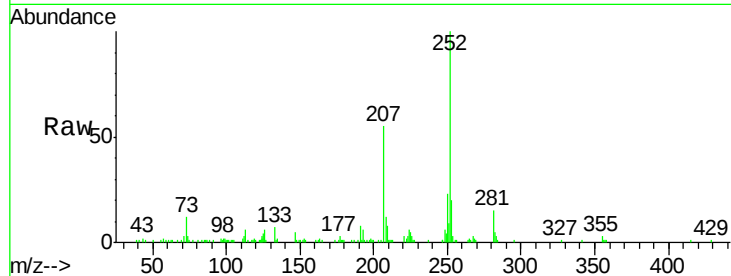
Acq: 24 Jun 2017 12:50

Instrument :

BNA_M

ClientSampleId :

F5B19ME



Tgt	Ion	Ratio	Lower	Upper
252	100			
253	20.4	18.2	27.2	
125	4.3	4.0	6.0	

Manual Integrations
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