

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010626.D
 Acq On : 21 Jun 2017 17:04
 Operator : SJ/JU
 Sample : I3653-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C53

Manual Integrations
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mohammad
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Quant Time: Jun 22 01:18:05 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 00:43:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	47949	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	215641	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	154654	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	403442	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	489118	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	453608	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	3538	4.23	ng/uL	0.00
5) Phenol-d5	6.65	99	83006	18.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	49558	19.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	66442	20.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	72914	19.25	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	33547	21.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	40933	23.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	78046	20.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	40310	10.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	330091	24.31	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	351296	22.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	46019	19.26	ng/ul	0.00
57) Fluorene-d10	15.12	176	278066	23.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	52822	21.32	ng/ul	0.00
70) Anthracene-d10	16.97	188	475581m	24.41	ng/ul	0.00
76) Pyrene-d10	19.28	212	580579	25.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	560046	25.54	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.27	128	260464	24.272	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	48369	5.607	ng/ul	91
40) 1,1'-Biphenyl	12.94	154	24803	2.051	ng/ul	98
44) Dimethylphthalate	13.59	163	102527	7.704	ng/ul	99
49) Acenaphthene	14.18	153	31004	3.056	ng/ul	98
53) Dibenzofuran	14.52	168	90071	5.862	ng/ul	97
58) Fluorene	15.17	166	39320	3.056	ng/ul	93
69) Phenanthrene	16.91	178	280852	13.094	ng/ul	98
72) Carbazole	17.27	167	111943	5.807	ng/ul	97
74) Fluoranthene	18.94	202	136268	4.930	ng/ul	99
77) Pyrene	19.31	202	90870	3.216	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	33743m	1.185	ng/ul	
82) Chrysene	21.12	228	28543	1.124	ng/ul	98

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

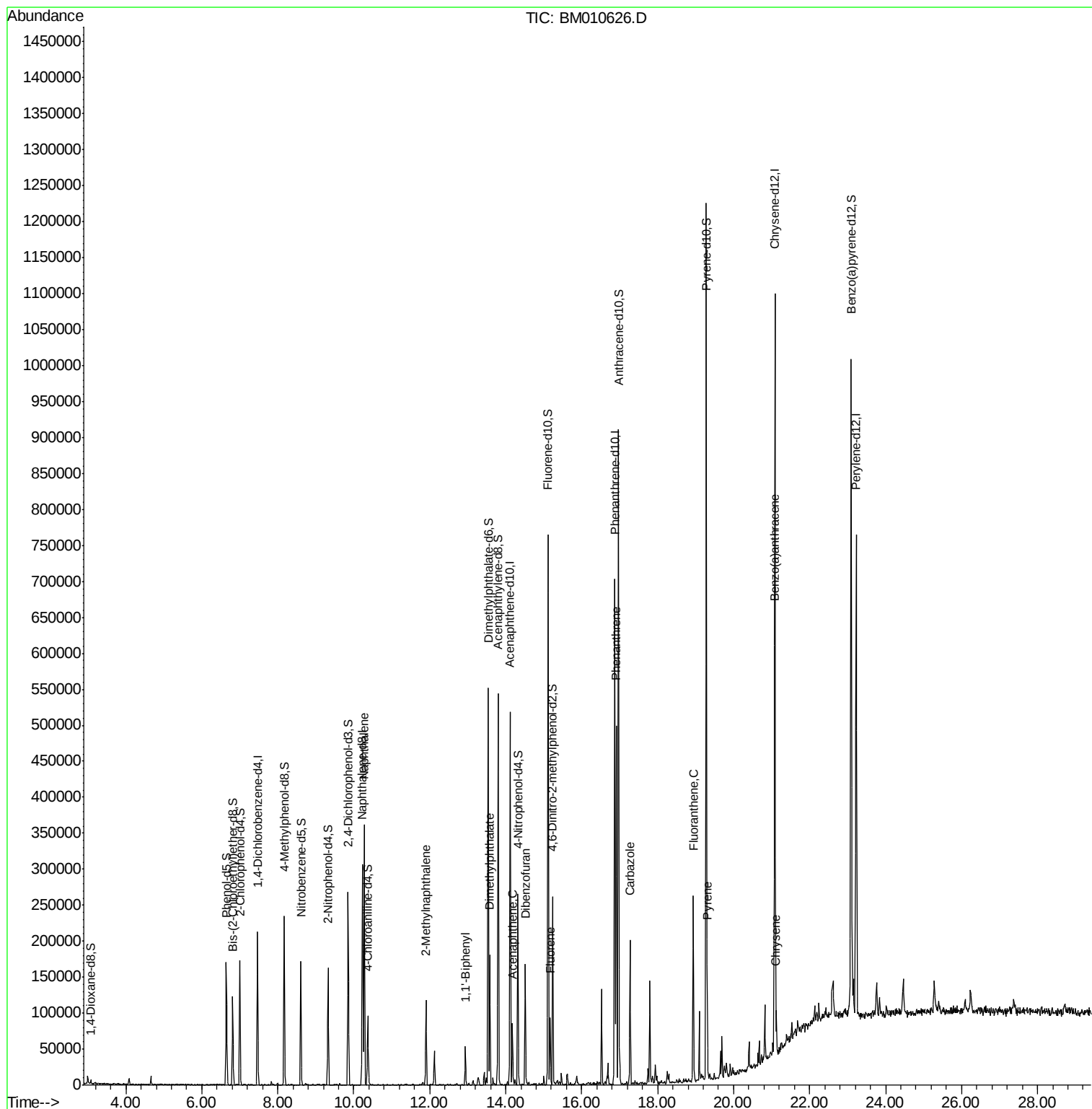
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010626.D
Acq On : 21 Jun 2017 17:04
Operator : SJ/JU
Sample : I3653-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

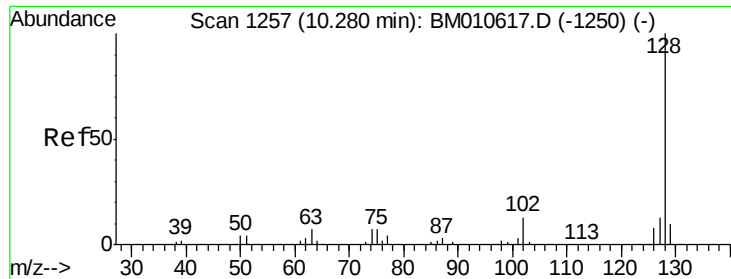
Instrument :
BNA_M
ClientSampled :
F5C53

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Quant Time: Jun 22 01:18:05 2017
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Quant Title : SVOA CALIBRATION
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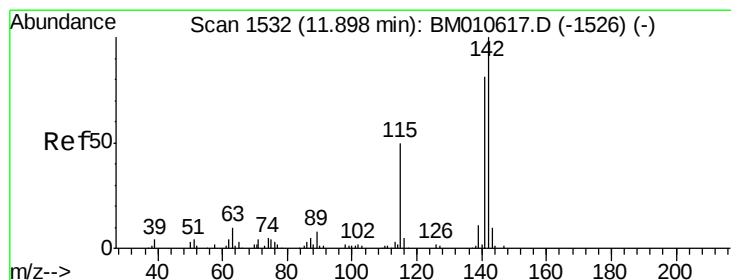
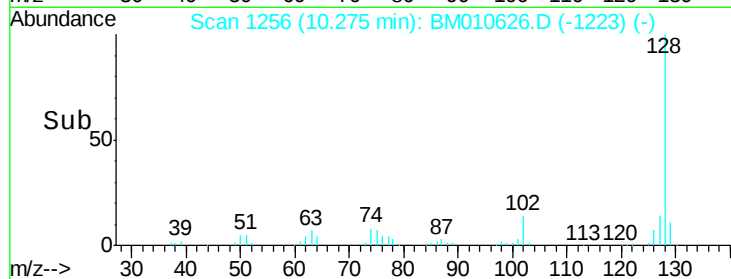
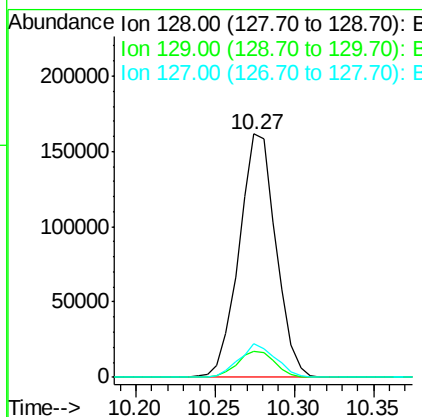
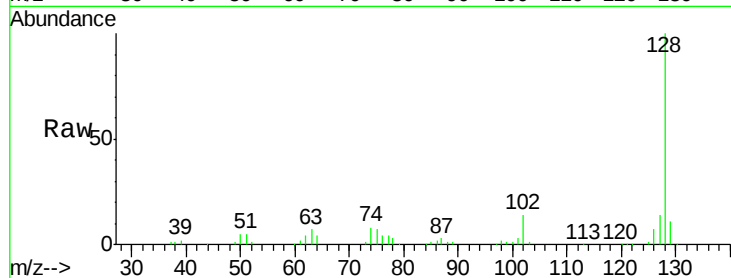
#28
Naphthalene
Concen: 24.272 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BM010626.D
Acq: 21 Jun 2017 17:04

Instrument :
BNA_M
ClientSampleId :
F5C53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	14.1	10.6	16.0

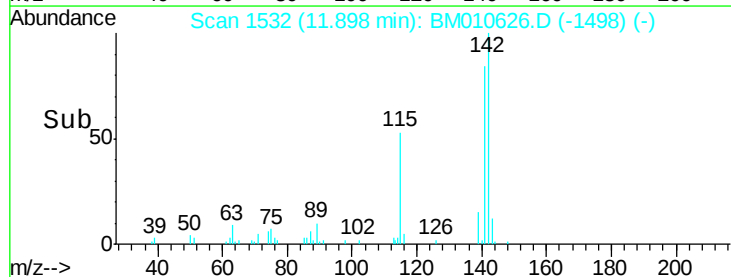
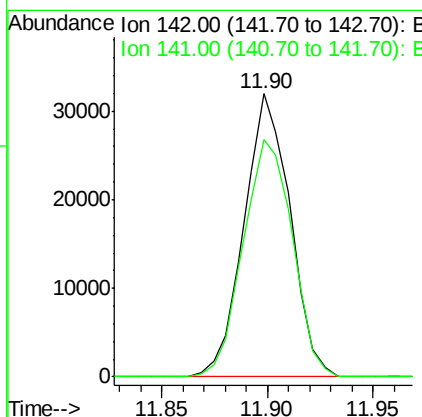
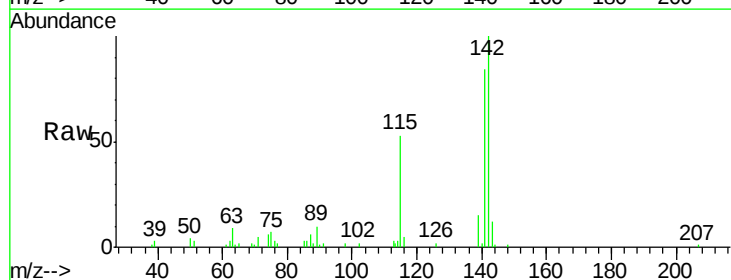
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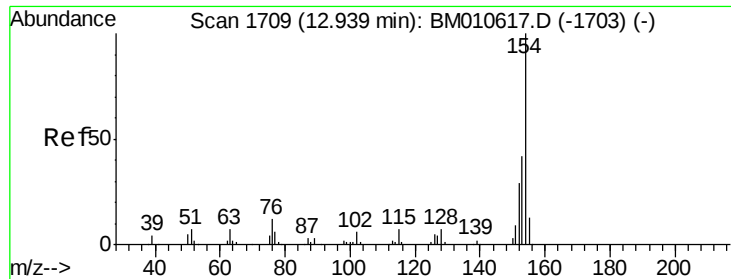
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#34
2-Methylnaphthalene
Concen: 5.607 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BM010626.D
Acq: 21 Jun 2017 17:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	74.1	111.1





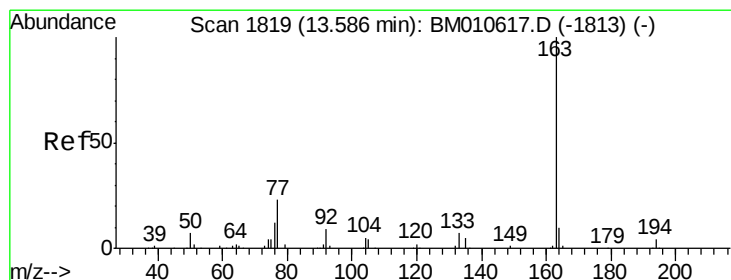
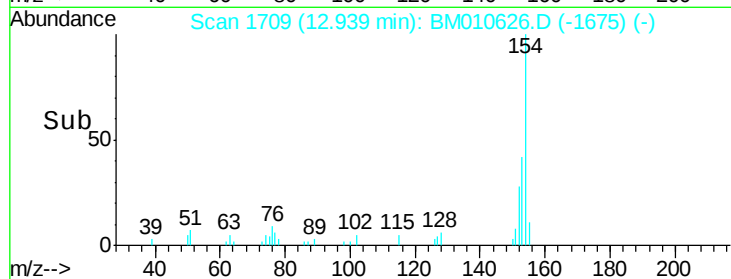
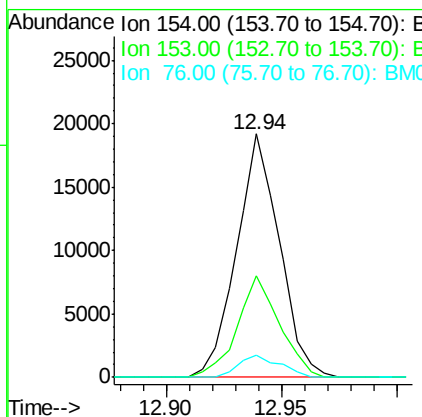
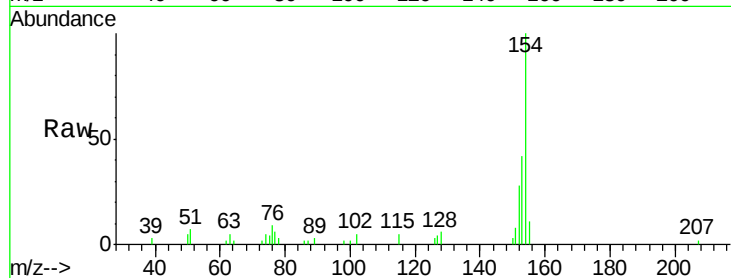
#40
 1,1'-Biphenyl
 Concen: 2.051 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Instrument :
 BNA_M
 ClientSampled :
 F5C53

Tgt Ion:	154	Resp:	24803
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.6	48.8
76	9.2	8.5	12.7

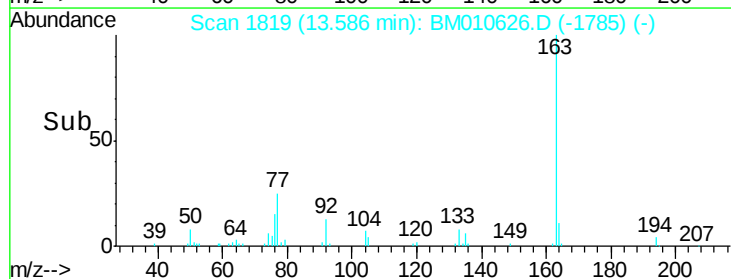
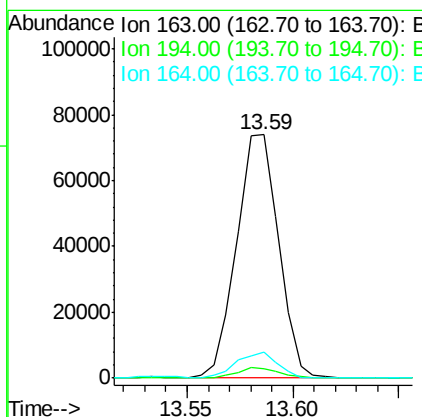
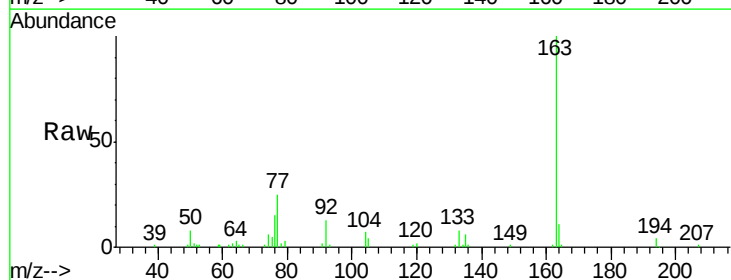
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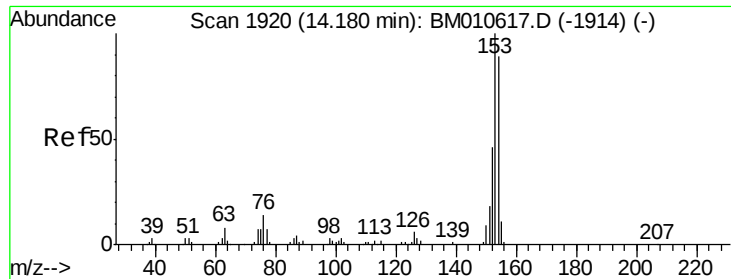
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#44
 Dimethylphthalate
 Concen: 7.704 ng/ul
 RT: 13.59 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Tgt Ion:	163	Resp:	102527
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.5	5.3
164	10.6	8.2	12.4





#49

Acenaphthene

Concen: 3.056 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

Instrument :

BNA_M

ClientSampleId :

F5C53

Tgt Ion:153 Resp: 31004

Ion Ratio Lower Upper

153 100

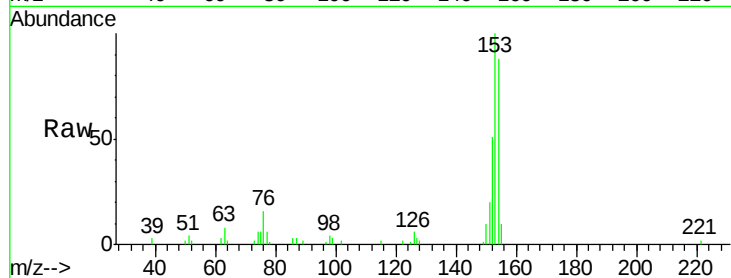
152 50.7 37.6 56.4

154 87.6 70.4 105.6

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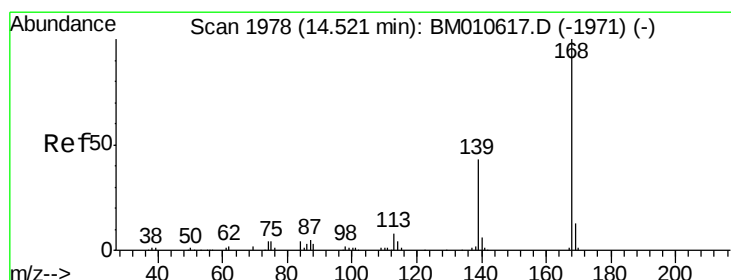
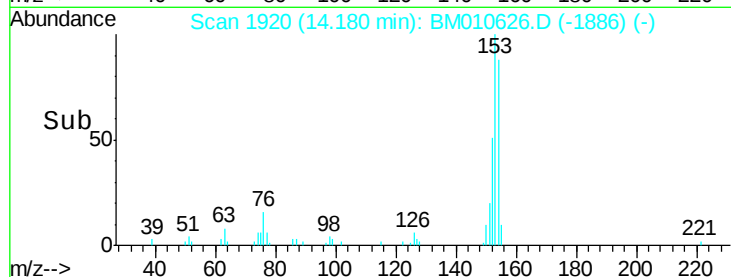
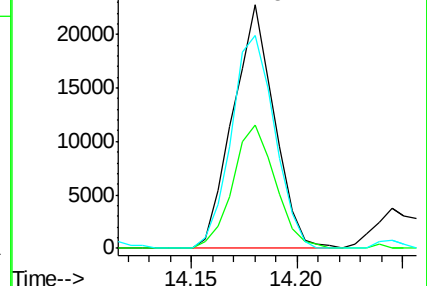
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 5.862 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM010626.D

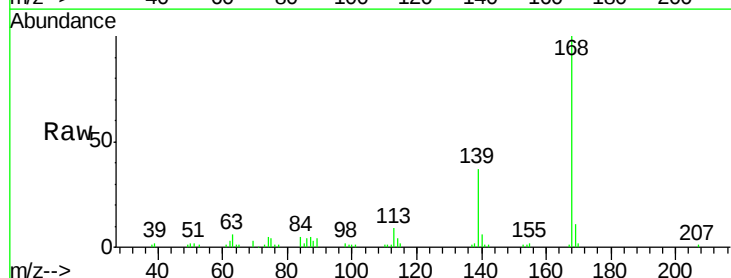
Acq: 21 Jun 2017 17:04

Tgt Ion:168 Resp: 90071

Ion Ratio Lower Upper

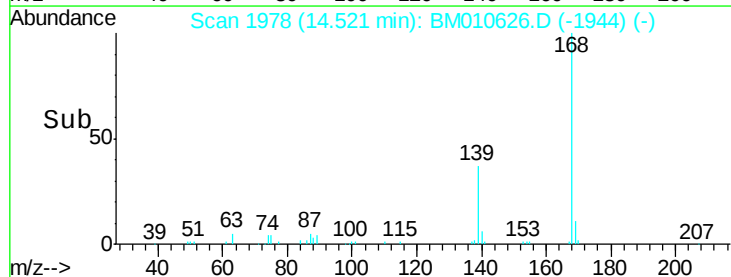
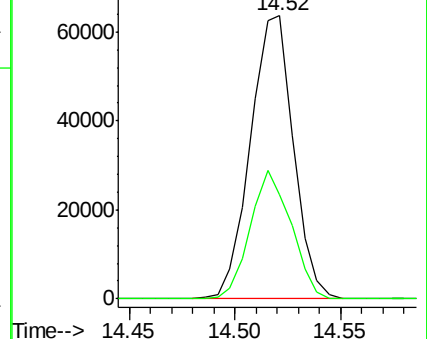
168 100

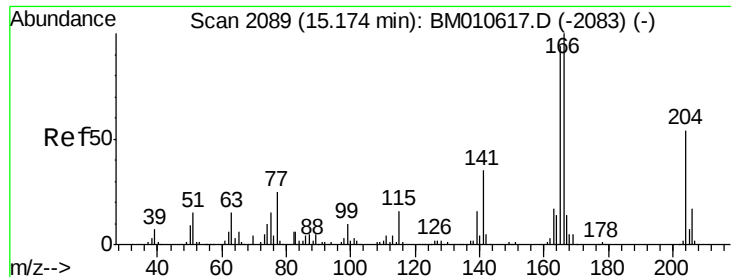
139 36.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.056 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

Instrument :

BNA_M

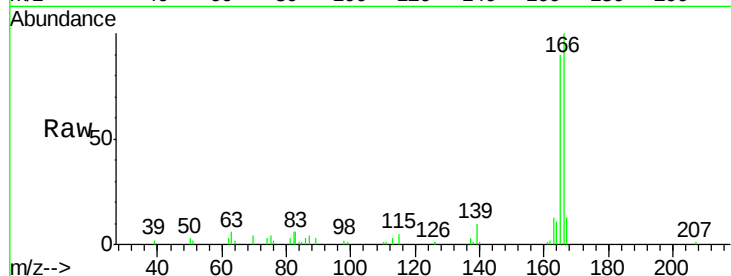
ClientSampleId :

F5C53

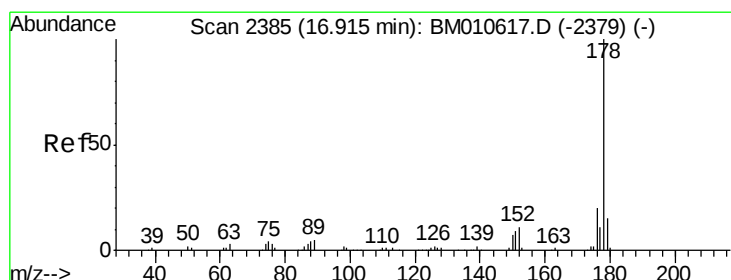
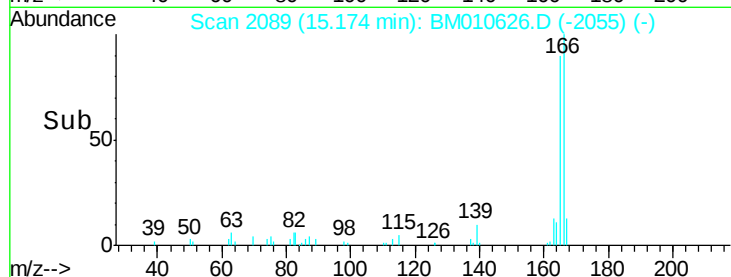
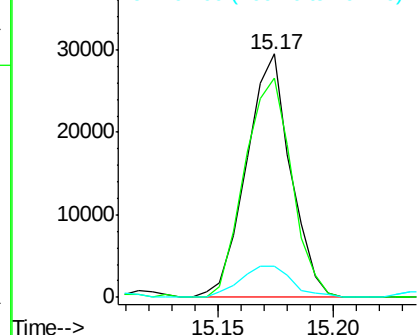
Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.8	77.9	116.9
167	13.0	10.6	16.0

Manual Integrations
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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: 13.094 ng/ul

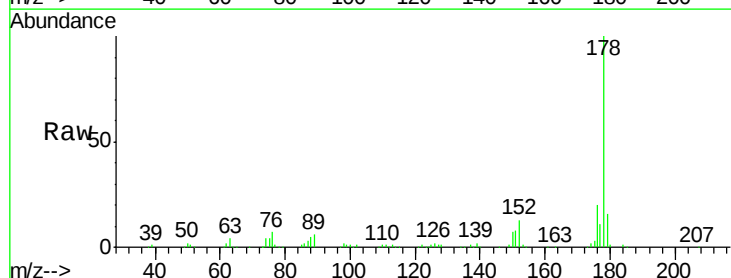
RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

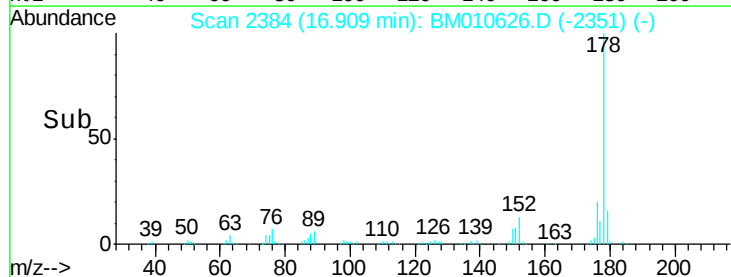
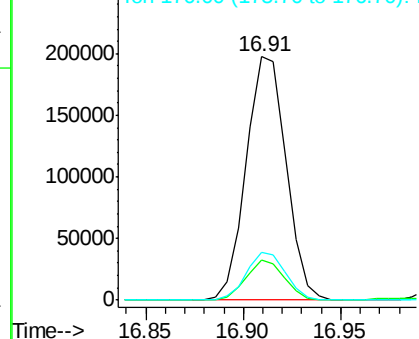
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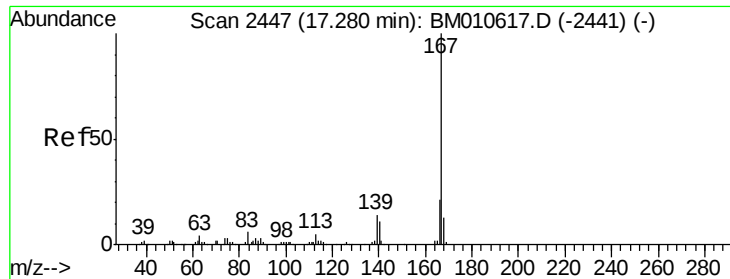
Acq: 21 Jun 2017 17:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.6	19.0
176	19.8	14.9	22.3



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





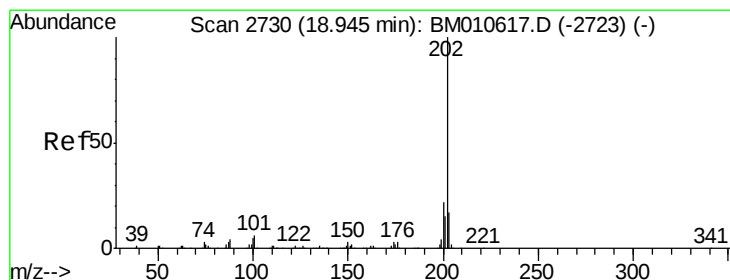
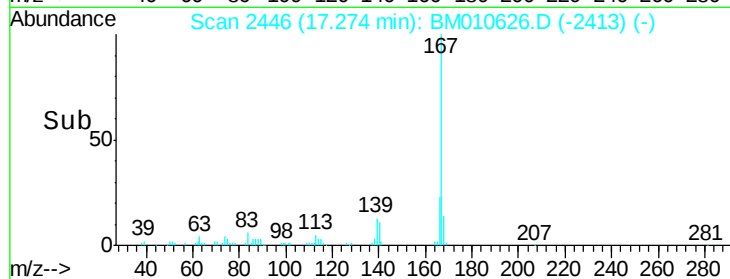
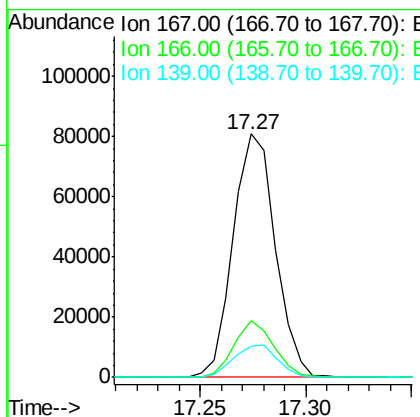
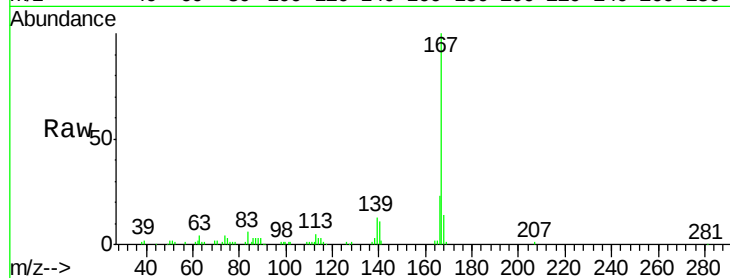
#72
 Carbazole
 Concen: 5.807 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F5C53

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	111943		
166	23.4	17.1	25.7	
139	12.6	10.0	15.0	

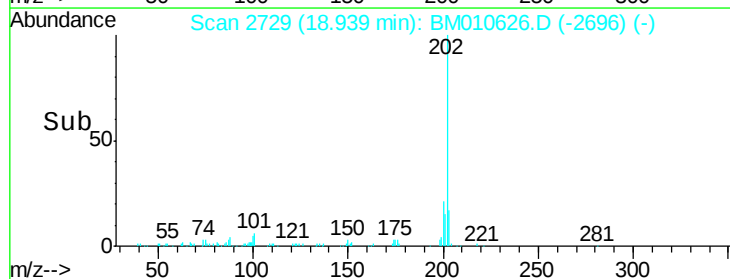
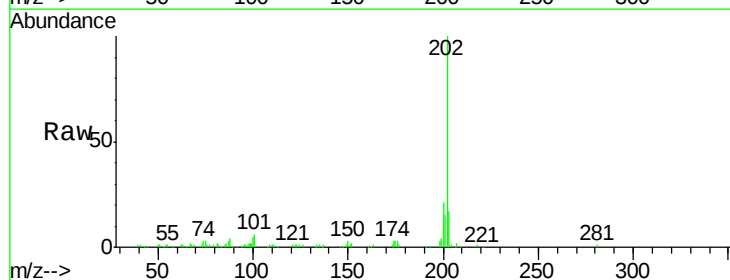
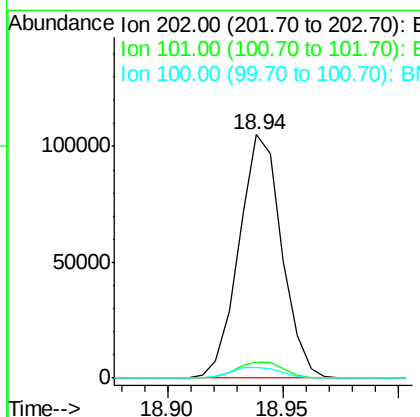
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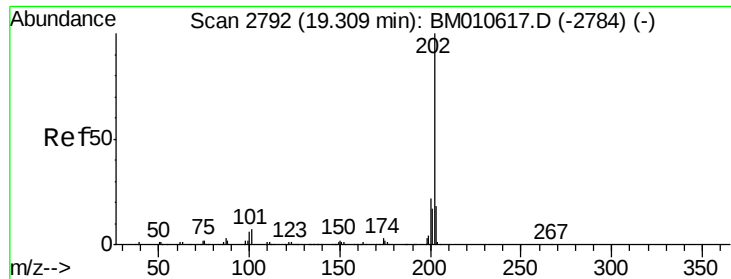
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#74
 Fluoranthene
 Concen: 4.930 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	136268		
101	6.3	4.6	7.0	
100	4.6	3.4	5.2	





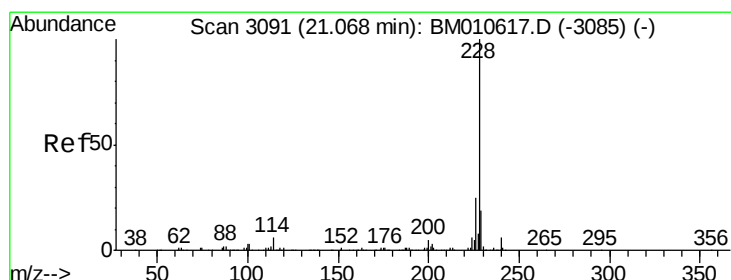
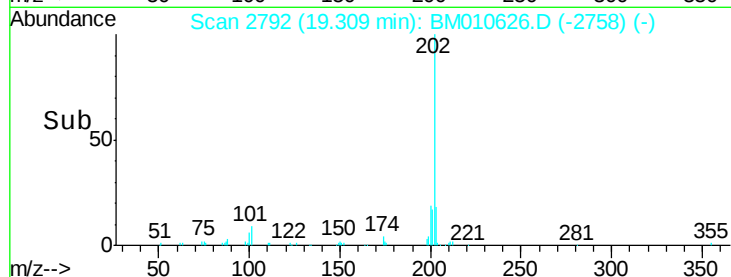
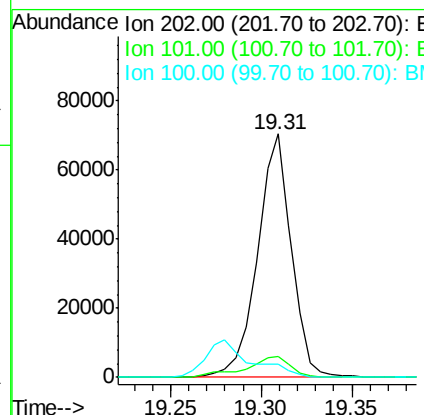
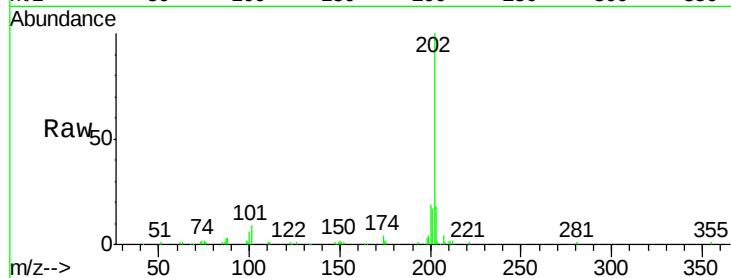
#77
 Pyrene
 Concen: 3.216 ng/ul
 RT: 19.31 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F5C53

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.7	5.1	7.7#
100	5.6	4.9	7.3

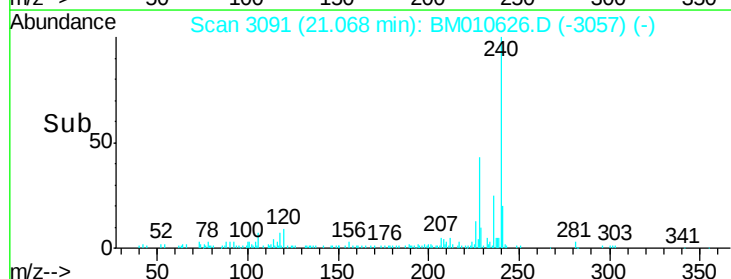
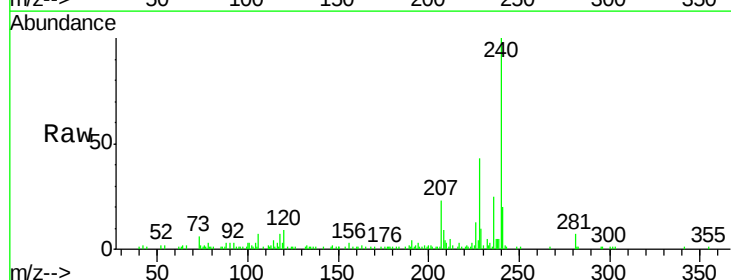
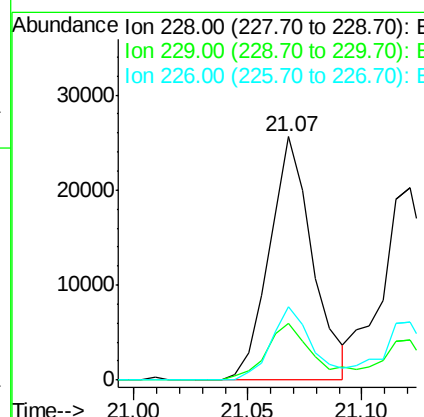
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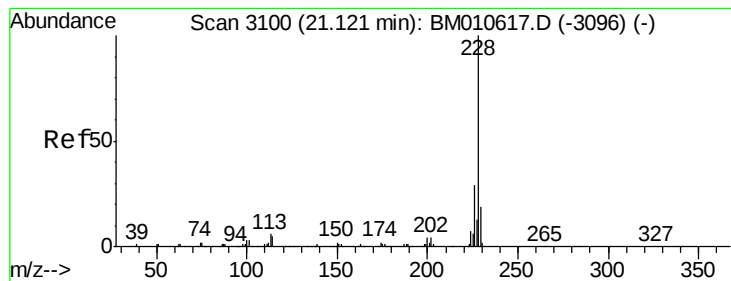
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#80
 Benzo(a)anthracene
 Concen: 1.185 ng/ul m
 RT: 21.07 min Scan# 3091
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.4	15.4	23.0#
226	30.2	21.4	32.0





#82

Chrysene

Concen: 1.124 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010626.D

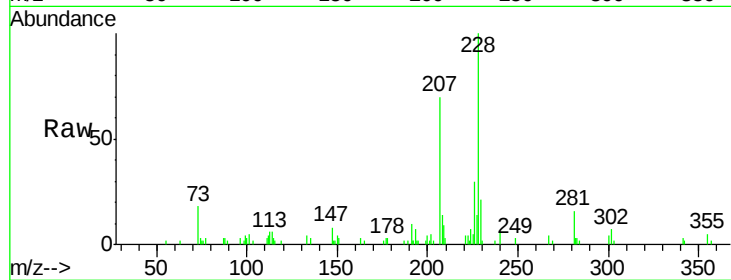
Acq: 21 Jun 2017 17:04

Instrument :

BNA_M

ClientSampleId :

F5C53



Tgt Ion:	228	Resp:	28543
Ion Ratio	100	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	21.1	15.5	23.3

Manual Integrations
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