

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

Quant Time: Jun 22 00:45:22 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	16.87	188	403442	20.71	ng/ul	-0.10
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	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.27	128	260464	24.27	ng/ul	99
30) 4-Chloroaniline	10.27	127	35513	8.98	ng/ul#	30
34) 2-Methylnaphthalene	11.90	142	48369	5.61	ng/ul	91
40) 1,1'-Biphenyl	12.94	154	24803	2.05	ng/ul	98
44) Dimethylphthalate	13.59	163	102527	7.70	ng/ul	99
49) Acenaphthene	14.18	153	31004	3.06	ng/ul	98
53) Dibenzofuran	14.52	168	90071	5.86	ng/ul	97
58) Fluorene	15.17	166	39320	3.06	ng/ul	93
69) Phenanthrene	16.91	178	280852	13.09	ng/ul	98
72) Carbazole	17.27	167	111943	5.81	ng/ul	97
74) Fluoranthene	18.94	202	136268	4.93	ng/ul	99
77) Pyrene	19.31	202	90870	3.22	ng/ul#	96
80) Benzo(a)anthracene	21.12	228	28543	1.00	ng/ul	94
82) Chrysene	21.12	228	28543	1.12	ng/ul	98

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

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Instrument :

BNA_M

ClientSampled :

F5C53

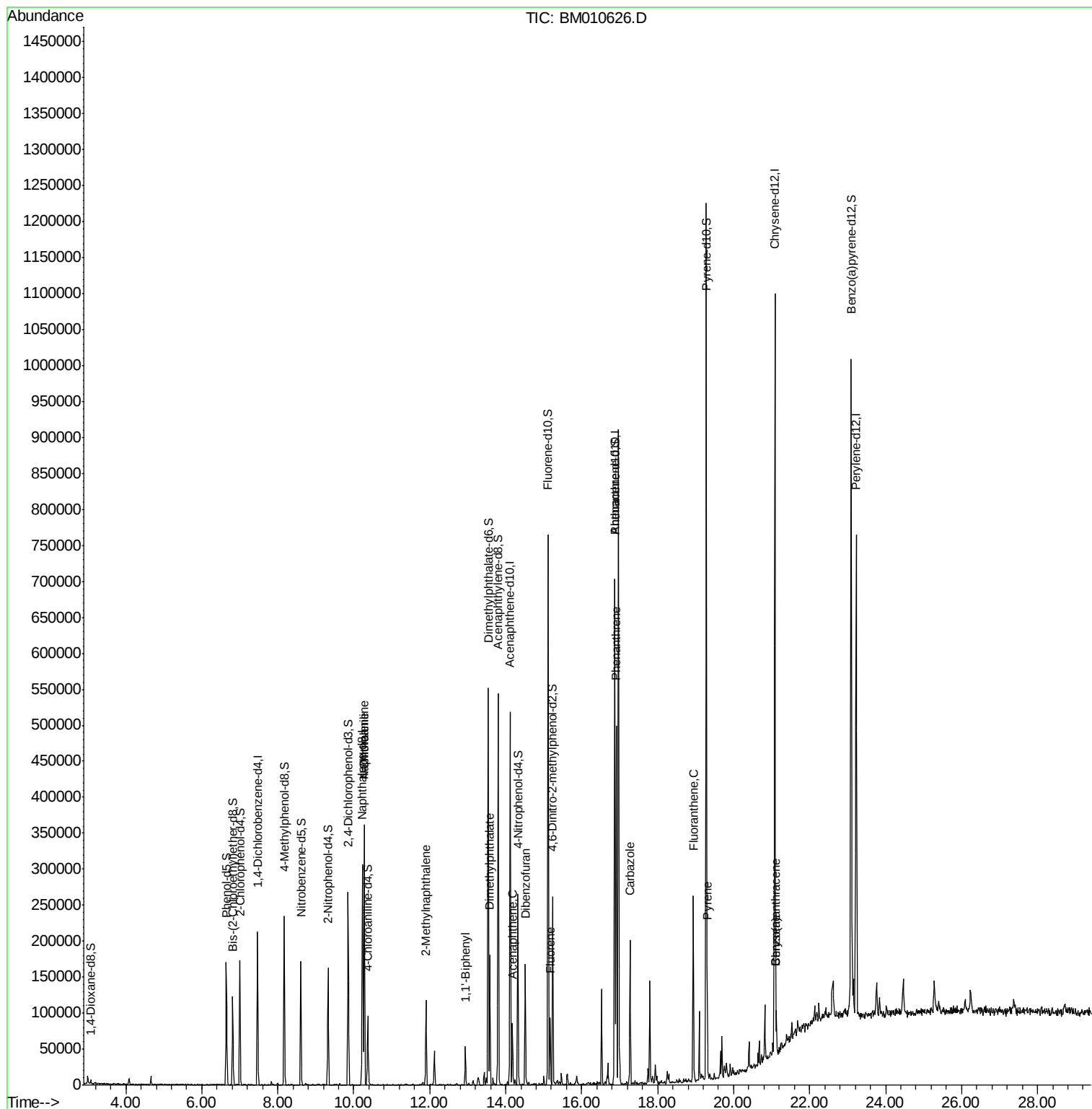
Quant Time: Jun 22 00:45:22 2017

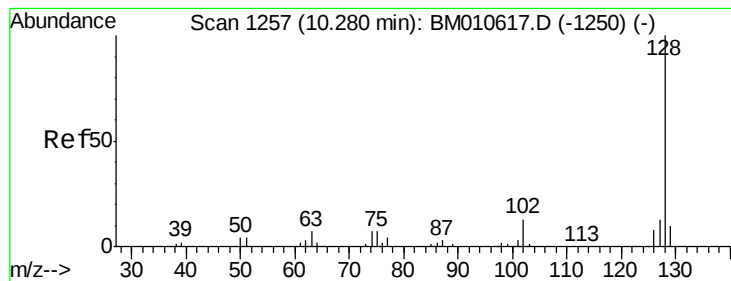
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 22 00:43:46 2017

Response via : Initial Calibration





#28

Naphthalene

Concen: 24.27 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

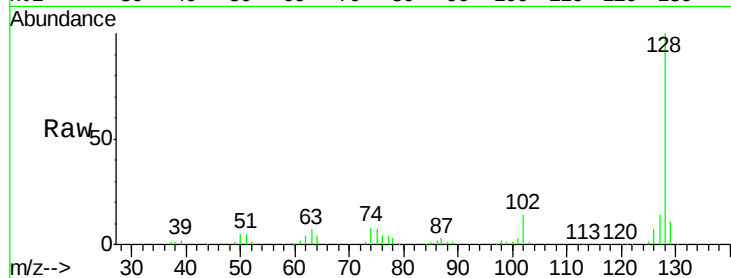
Tgt Ion:128 Resp: 260464

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

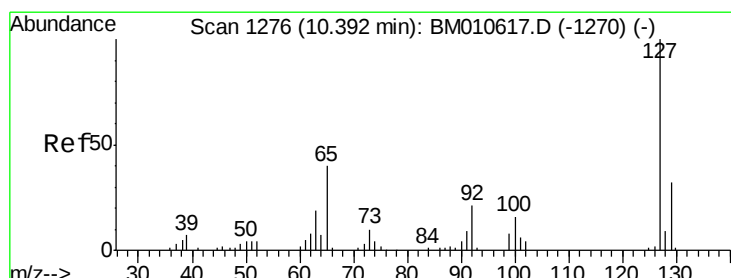
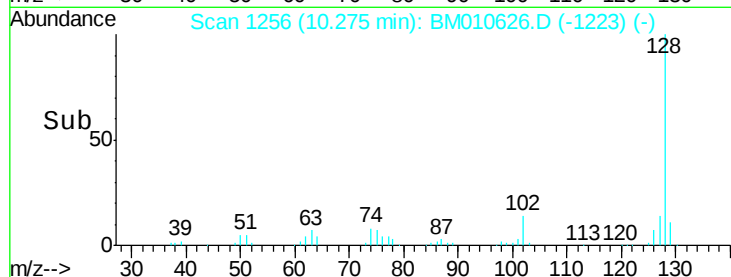
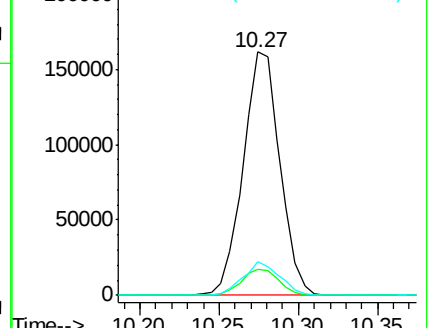
127 14.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 8.98 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.12 min

Lab File: BM010626.D

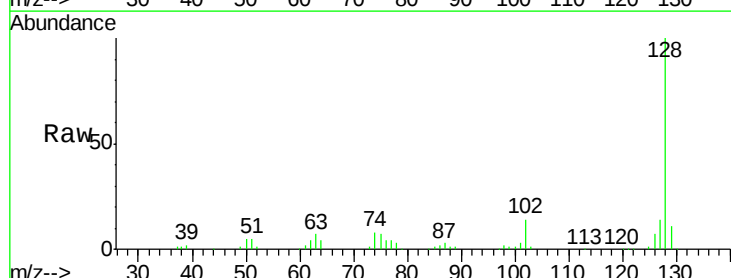
Acq: 21 Jun 2017 17:04

Tgt Ion:127 Resp: 35513

Ion Ratio Lower Upper

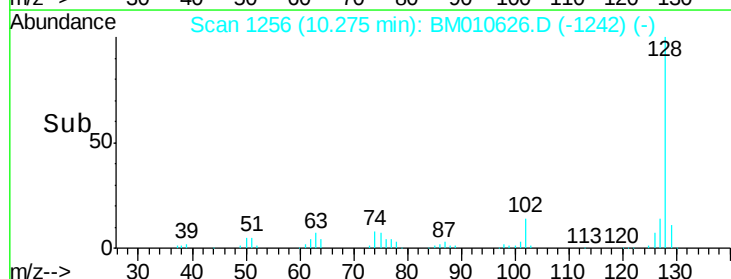
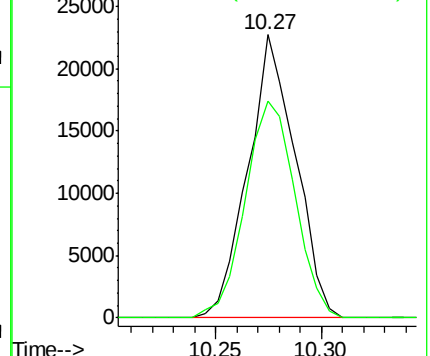
127 100

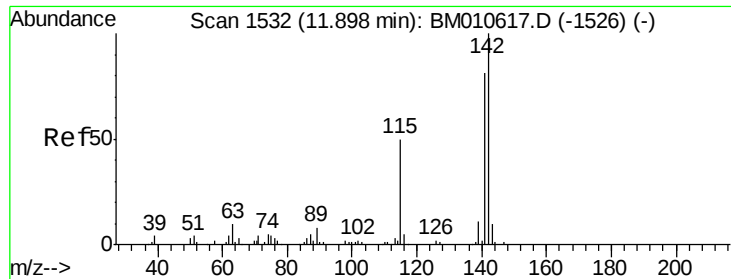
129 76.6 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

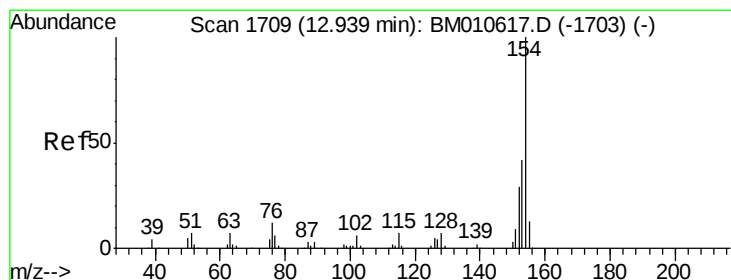
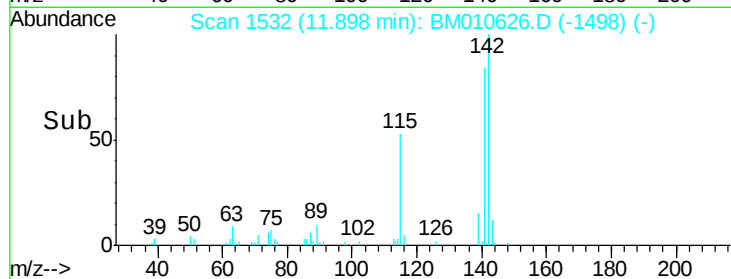
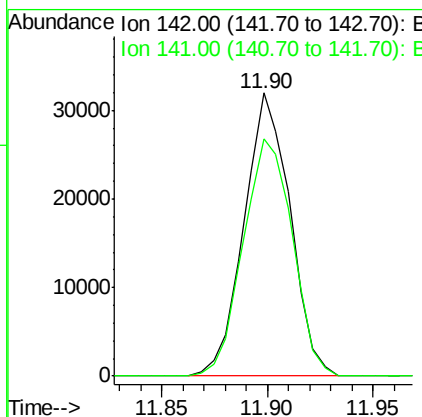
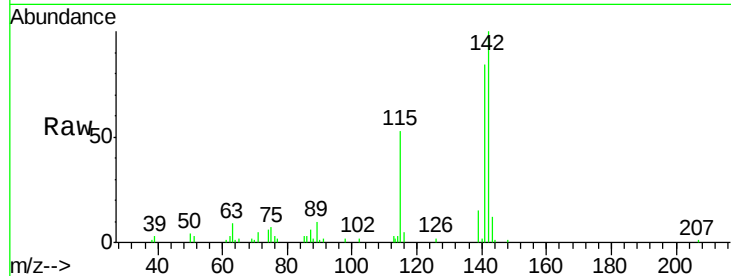




#34
 2-Methylnaphthalene
 Concen: 5.61 ng/ul
 RT: 11.90 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

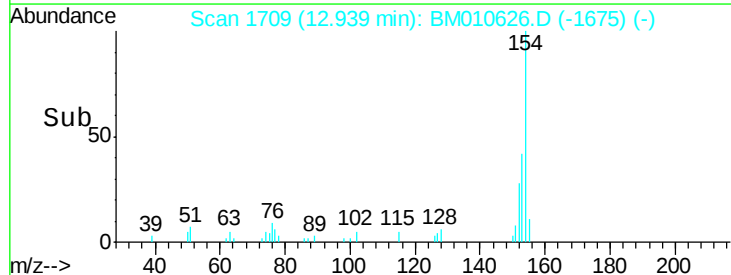
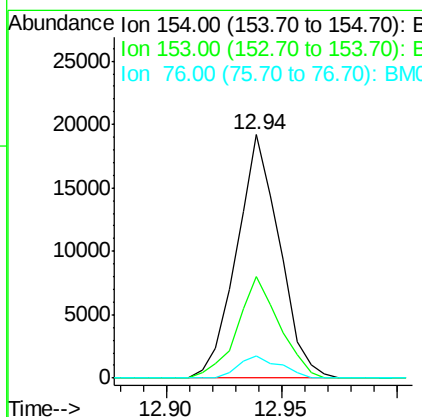
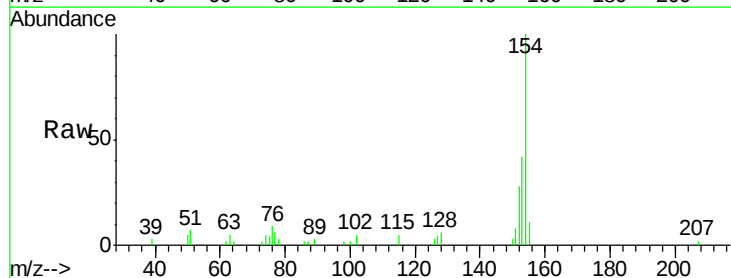
Instrument :
 BNA_M
 ClientSampled :
 F5C53

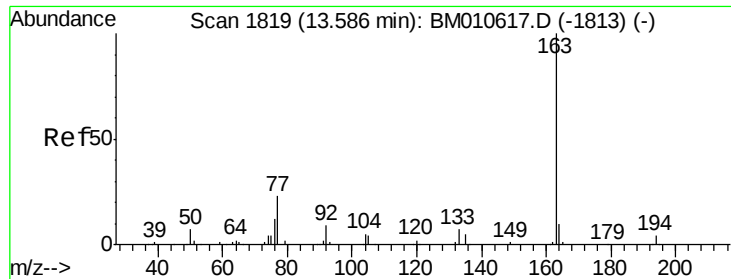
Tgt Ion:142 Resp: 48369
 Ion Ratio Lower Upper
 142 100
 141 84.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.05 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010626.D
 Acq: 21 Jun 2017 17:04

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

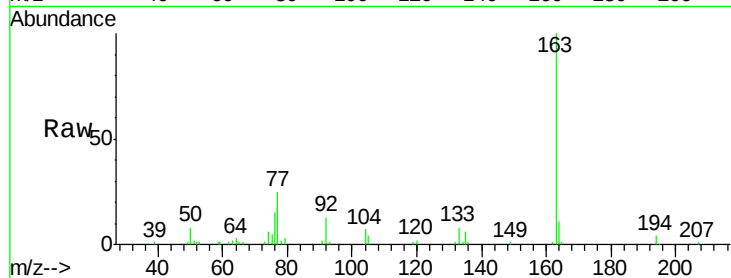




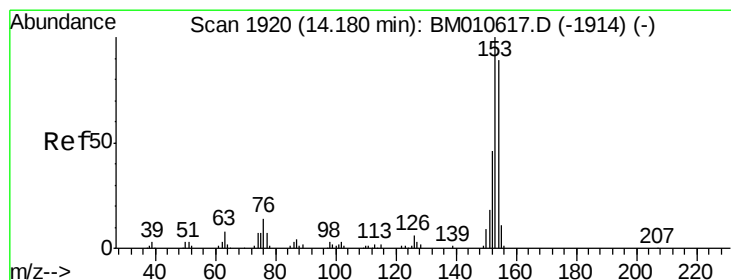
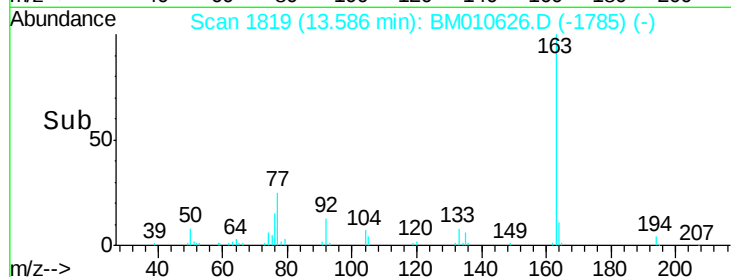
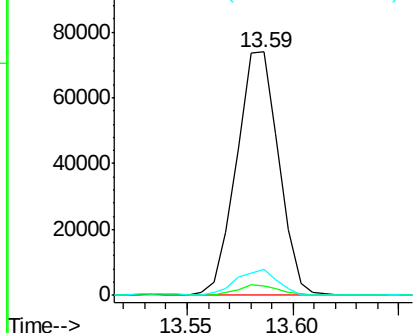
#44
Dimethylphthalate
Concen: 7.70 ng/ul
RT: 13.59 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BM010626.D
Acq: 21 Jun 2017 17:04

Instrument :
BNA_M
ClientSampleId :
F5C53

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

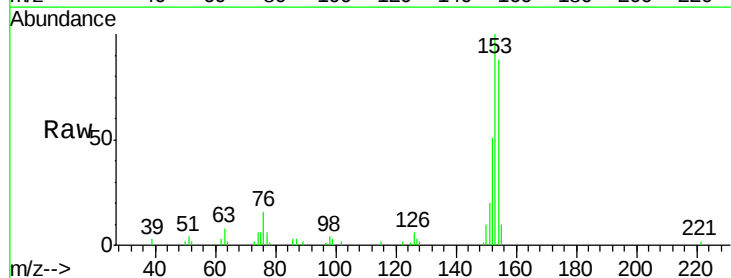


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

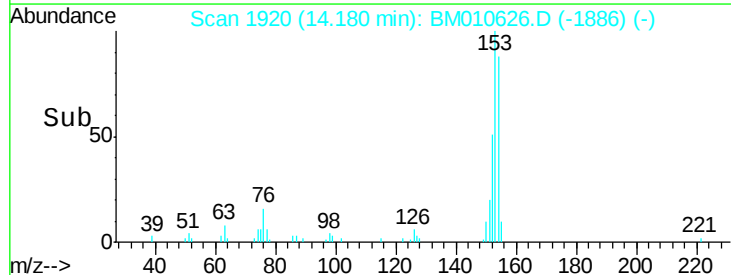
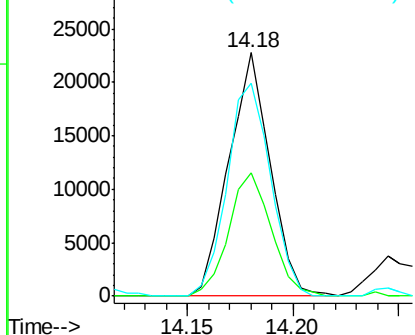


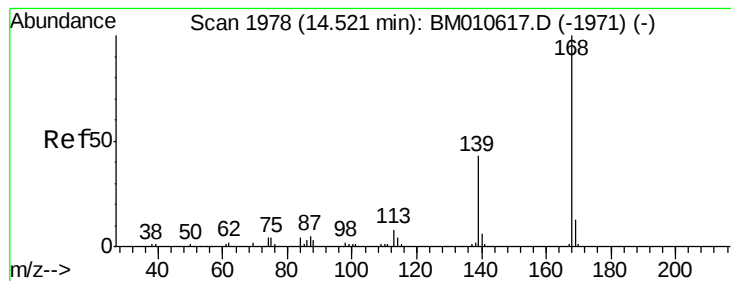
#49
Acenaphthene
Concen: 3.06 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM010626.D
Acq: 21 Jun 2017 17:04

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



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

Dibenzenofuran

Concen: 5.86 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

Instrument :

BNA_M

ClientSampleId :

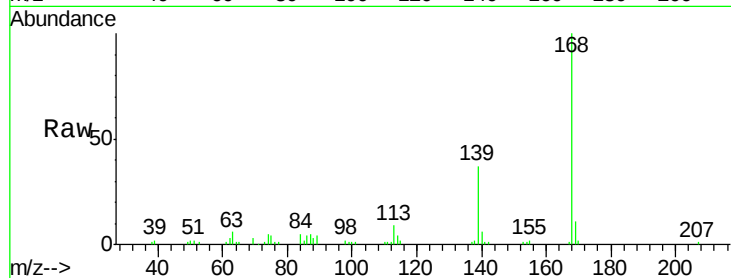
F5C53

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

14.52

60000

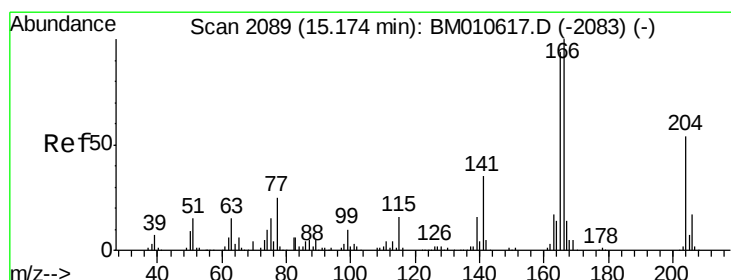
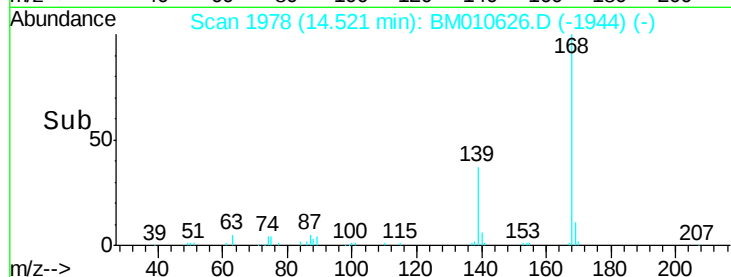
40000

20000

0

14.45 14.50 14.55

Time-->



#58

Fluorene

Concen: 3.06 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

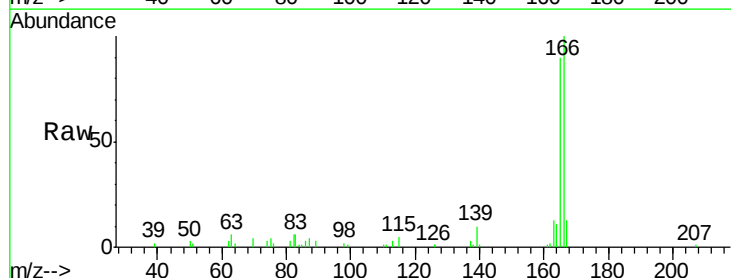
Tgt Ion:166 Resp: 39320

Ion Ratio Lower Upper

166 100

165 89.8 77.9 116.9

167 13.0 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

15.17

40000

30000

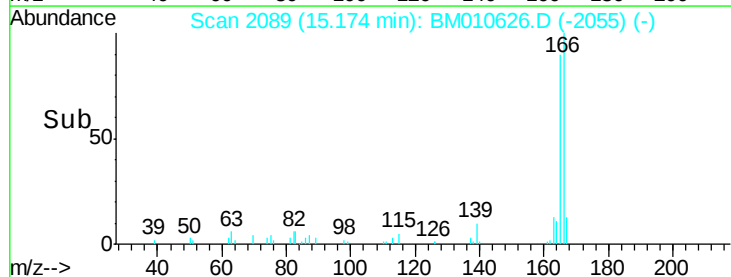
20000

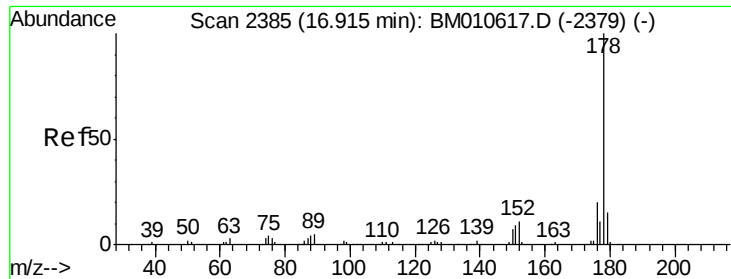
10000

0

15.15 15.20

Time-->





#69

Phenanthrene

Concen: 13.09 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

Instrument :

BNA_M

ClientSampleId :

F5C53

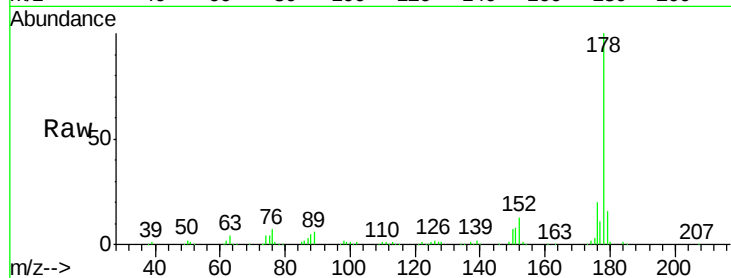
Tgt Ion:178 Resp: 280852

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

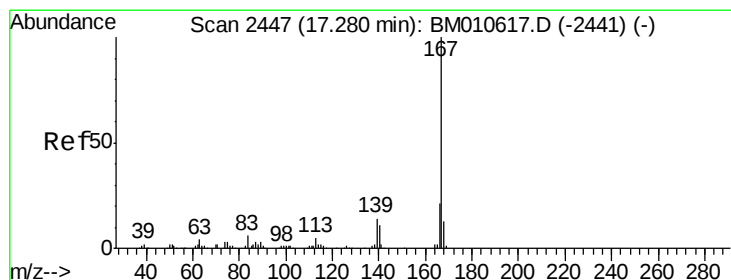
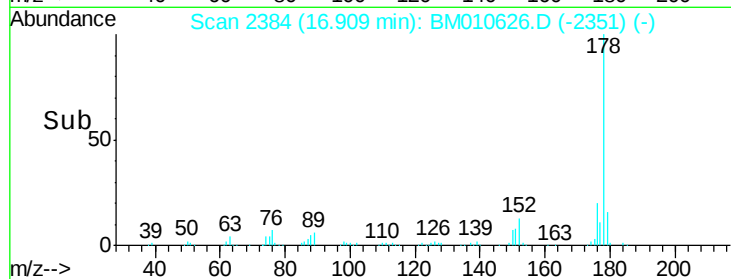
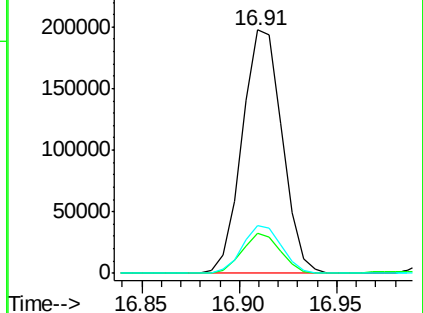
176 19.8 14.9 22.3



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: 5.81 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

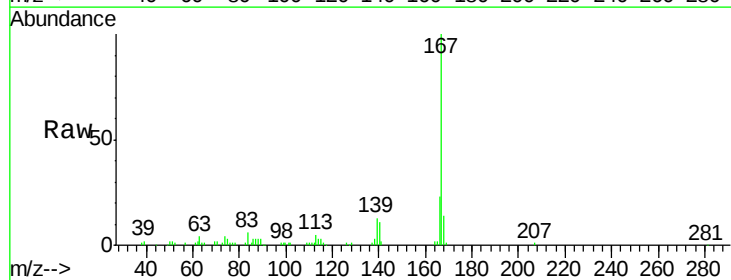
Tgt Ion:167 Resp: 111943

Ion Ratio Lower Upper

167 100

166 23.4 17.1 25.7

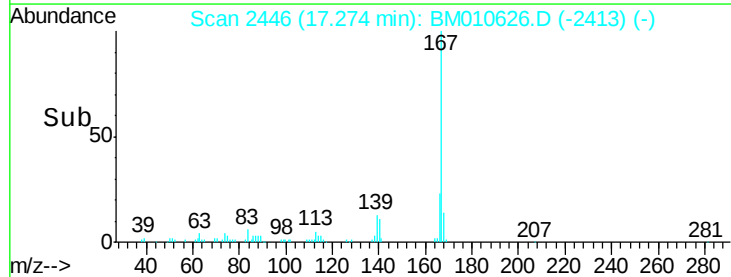
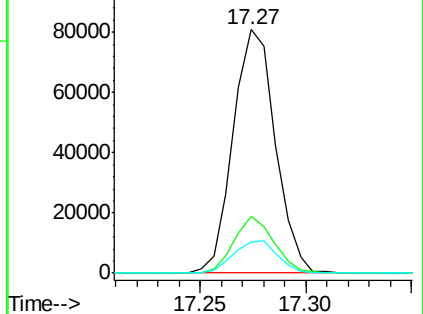
139 12.6 10.0 15.0

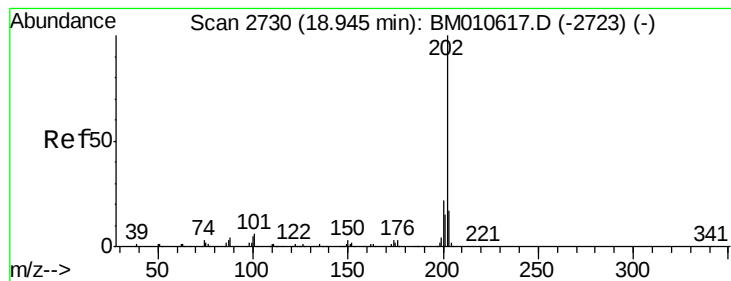


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 4.93 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

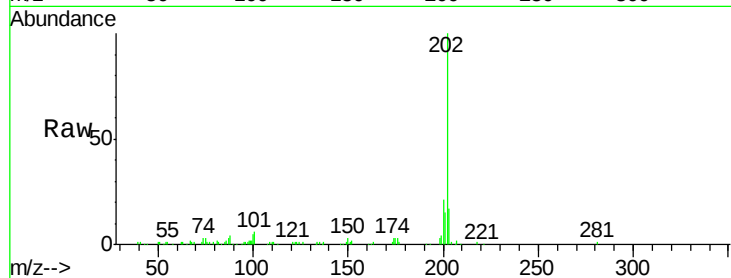
Instrument :

BNA_M

ClientSampleId :

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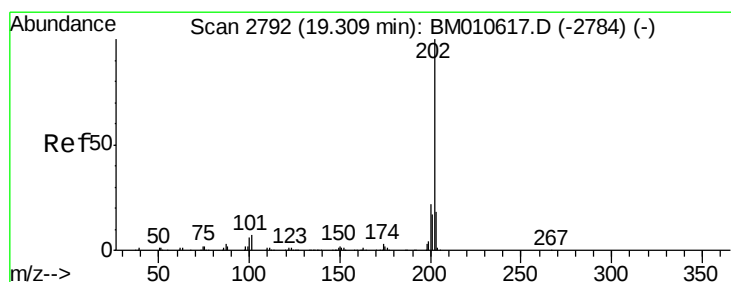
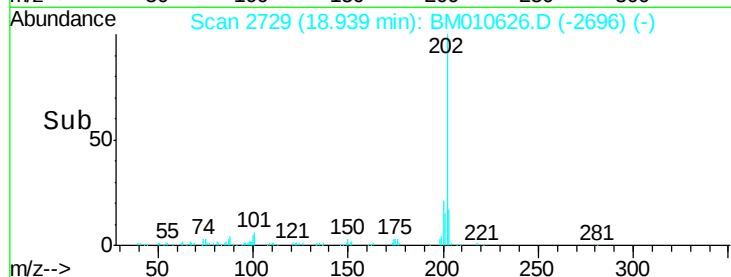
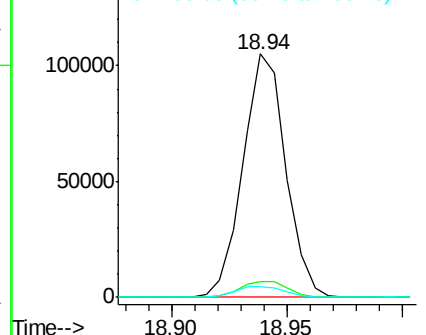
Tgt Ion:	202	Resp:	136268
Ion Ratio	Lower	Upper	
202	100		
101	6.3	4.6	7.0
100	4.6	3.4	5.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 3.22 ng/ul

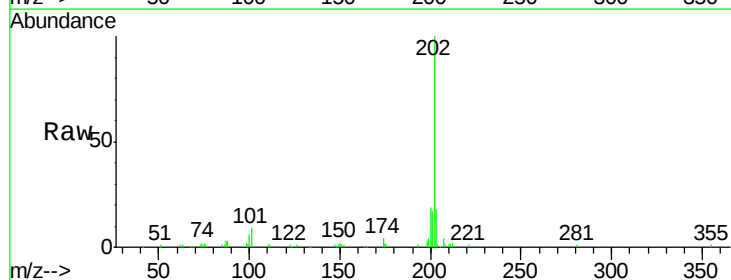
RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

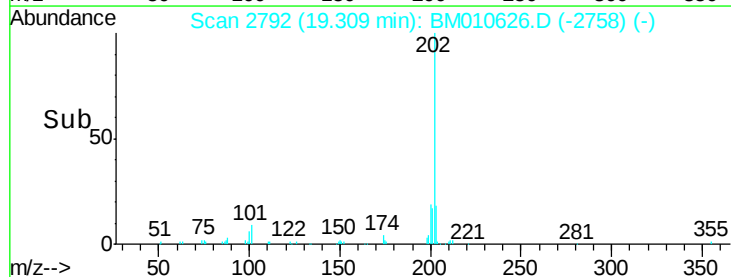
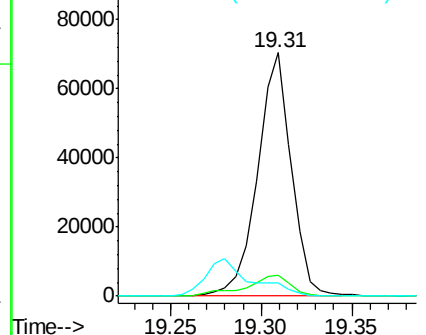
Tgt Ion:	202	Resp:	90870
Ion Ratio	Lower	Upper	
202	100		
101	8.7	5.1	7.7#
100	5.6	4.9	7.3

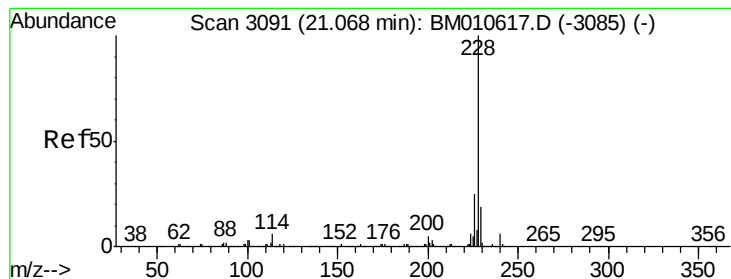


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.00 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.05 min

Lab File: BM010626.D

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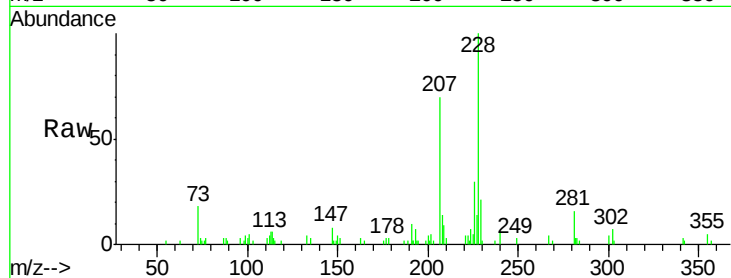
Tgt Ion:228 Resp: 28543

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

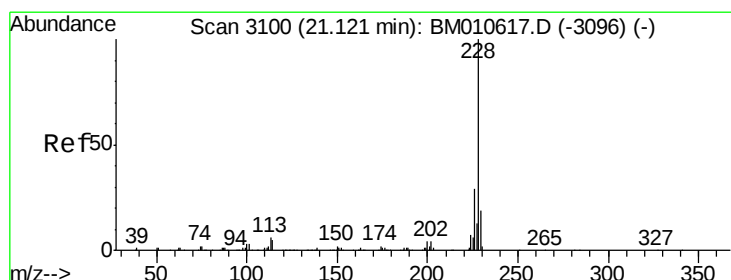
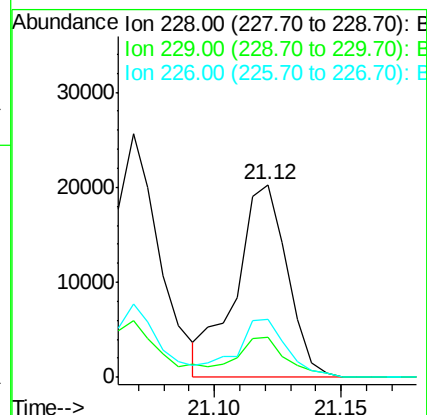
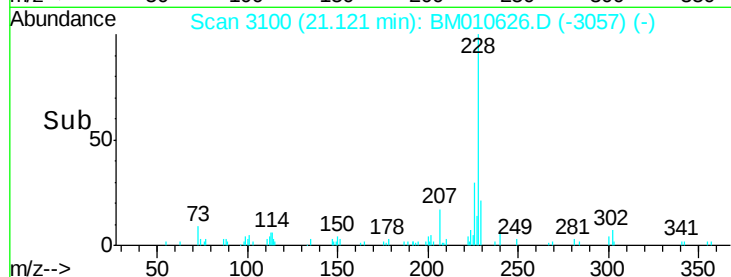
226 30.1 21.4 32.0



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: 1.12 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010626.D

Acq: 21 Jun 2017 17:04

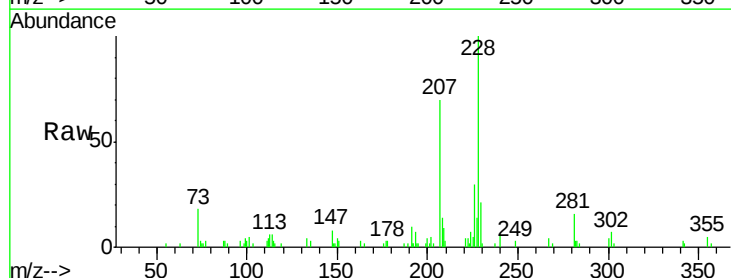
Tgt Ion:228 Resp: 28543

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

229 21.1 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

