

Data Path : Z:\HPCHEM1\BNA_M\Data\BM050516\
 Data File : BM005248.D
 Acq On : 05 May 2016 23:17
 Operator : UM/SJ
 Sample : H2813-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7R8

Quant Time: May 11 07:52:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 06 04:17:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	88226	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	433330	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	284163	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	686095	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	817976	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	787240	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.27	96	1813	0.97	ng/uL	0.00
5) Phenol-d5	6.95	99	34557	4.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	116915	25.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.31	132	117297	19.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	74688	11.29	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	82014	26.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	94063	26.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	150854	23.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	4633	0.59	ng/ul	0.01
43) Dimethylphthalate-d6	13.82	166	589912	25.90	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	707406	26.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	13576	3.27	ng/ul	0.00
57) Fluorene-d10	15.41	176	522390	26.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	93861	24.32	ng/ul	0.00
70) Anthracene-d10	17.26	188	830273	27.38	ng/ul	0.00
76) Pyrene-d10	19.56	212	980224	25.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	962878	27.63	ng/ul	0.00

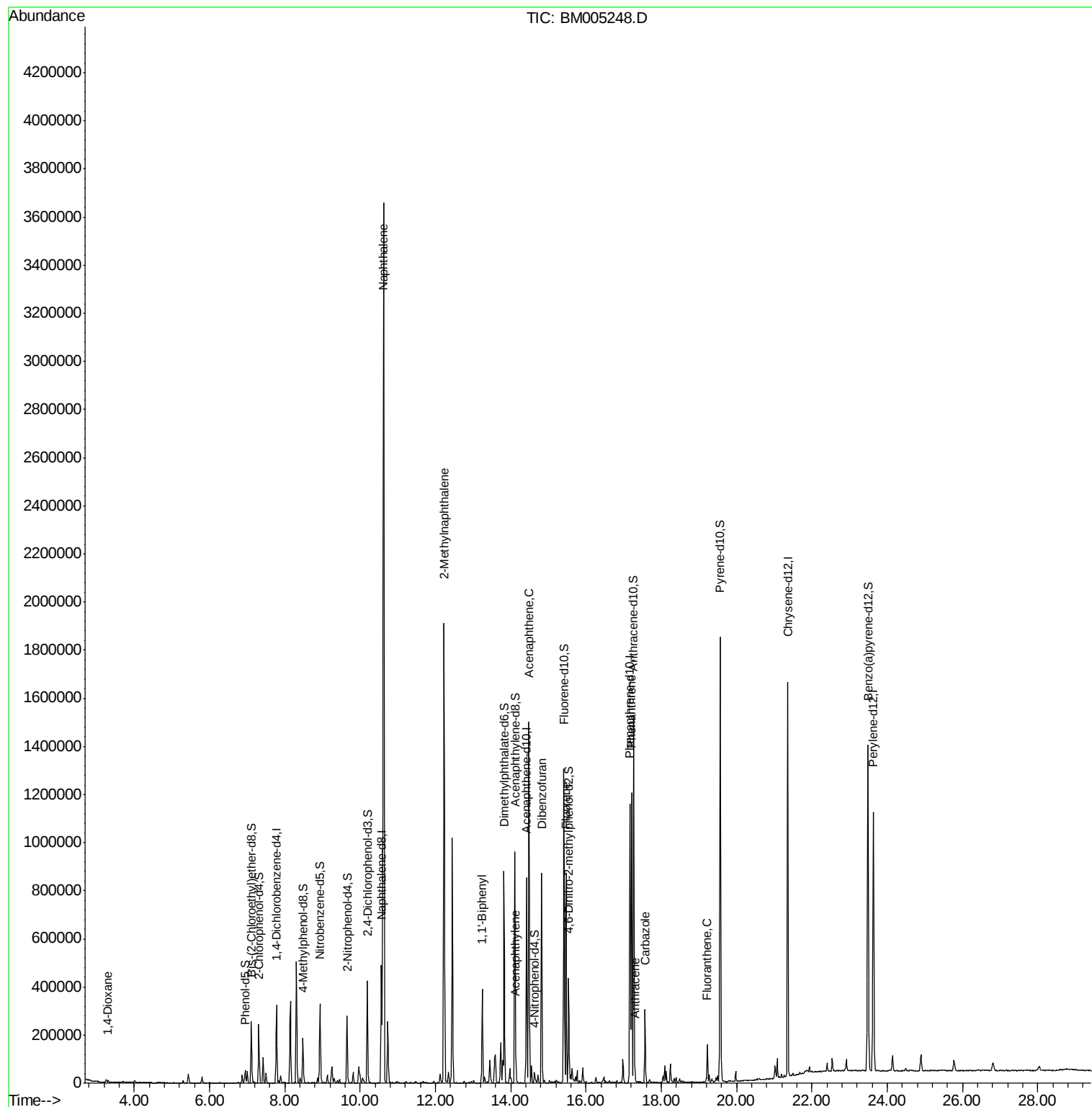
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	5343	1.56	ng/uL	97
28) Naphthalene	10.62	128	3438428	157.71	ng/ul	99
34) 2-Methylnaphthalene	12.23	142	944345	57.91	ng/ul	100
40) 1,1'-Biphenyl	13.24	154	214300	9.52	ng/ul	99
47) Acenaphthylene	14.13	152	44307	1.57	ng/ul#	97
49) Acenaphthene	14.48	153	618303	33.20	ng/ul	99
53) Dibenzofuran	14.82	168	561527	20.78	ng/ul	99
58) Fluorene	15.47	166	400894	18.97	ng/ul	100
69) Phenanthrene	17.20	178	739443	20.50	ng/ul	99
71) Anthracene	17.30	178	41998	1.17	ng/ul	99
72) Carbazole	17.57	167	186631	5.90	ng/ul	100
74) Fluoranthene	19.22	202	92922	2.32	ng/ul	99

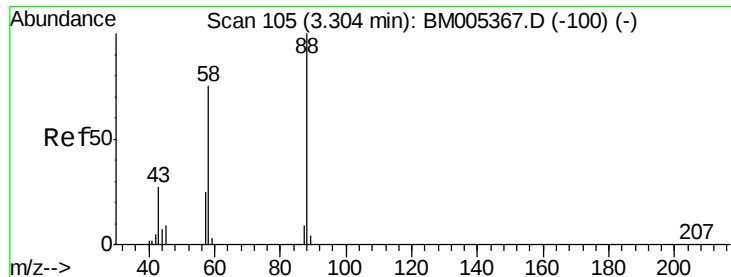
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.56 ng/uL

RT: 3.31 min Scan# 106

Delta R.T. 0.01 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

Instrument :

BNA_M

ClientSampleId :

BC7R8

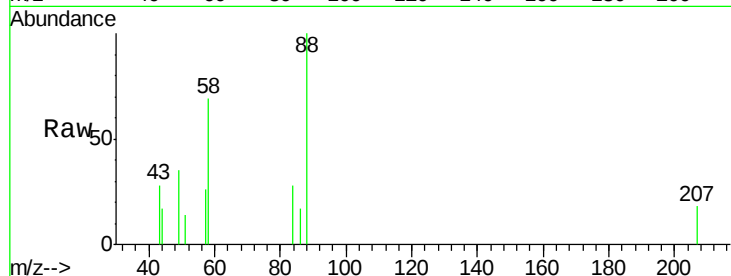
Tgt Ion: 88 Resp: 5343

Ion Ratio Lower Upper

88 100

43 21.5 19.3 28.9

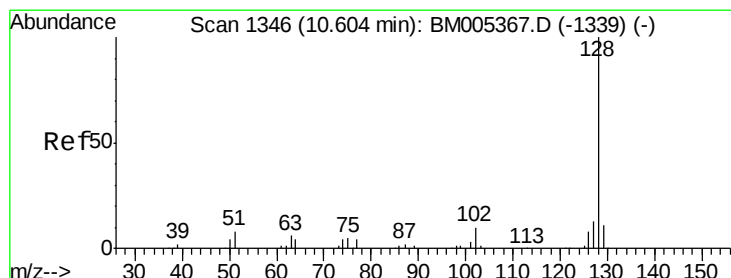
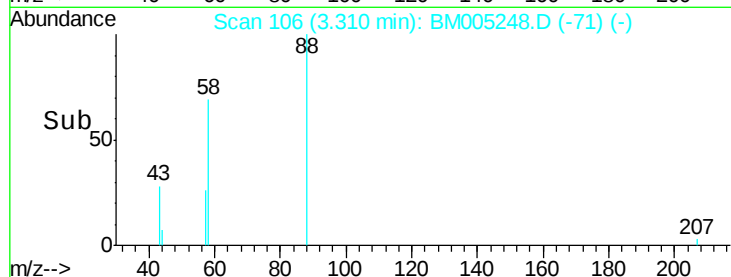
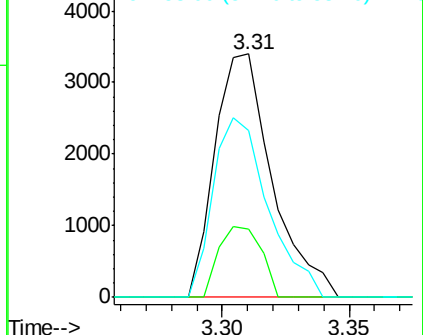
58 70.9 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): BM005367.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BM005367.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BM005367.D (-100) (-)



#28

Naphthalene

Concen: 157.71 ng/uL

RT: 10.62 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

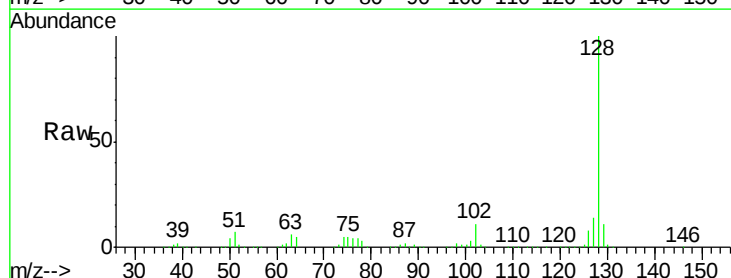
Tgt Ion: 128 Resp: 3438428

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

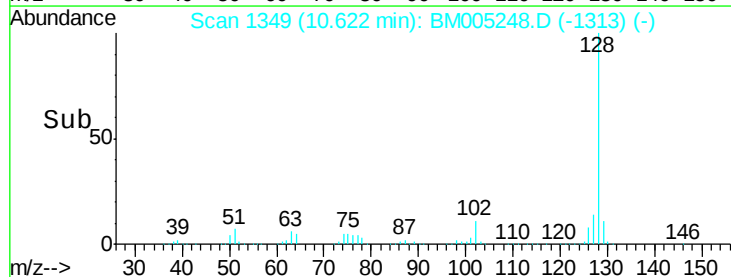
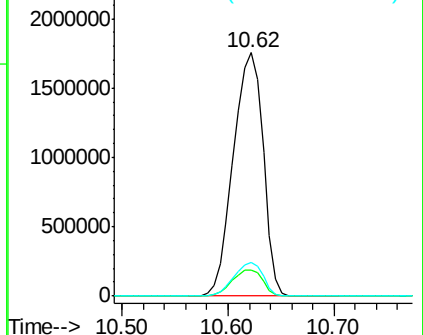
127 13.8 10.8 16.2

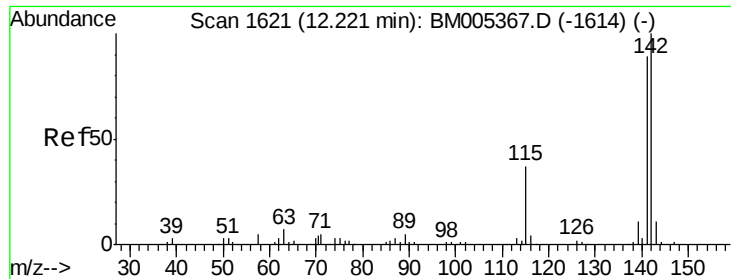


Abundance Ion 128.00 (127.70 to 128.70): BM005367.D (-1339) (-)

Ion 129.00 (128.70 to 129.70): BM005367.D (-1339) (-)

Ion 127.00 (126.70 to 127.70): BM005367.D (-1339) (-)

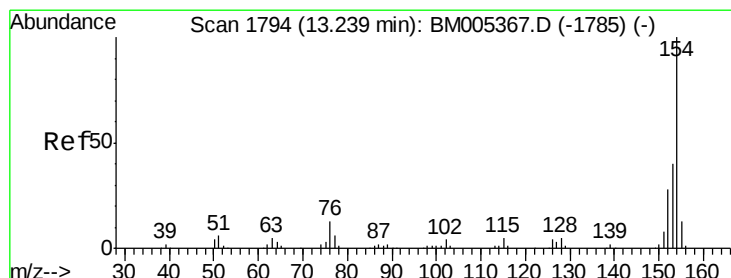
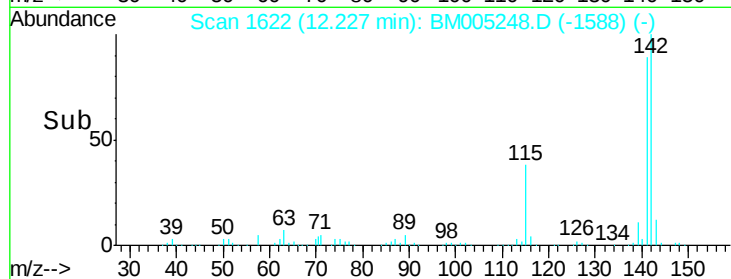
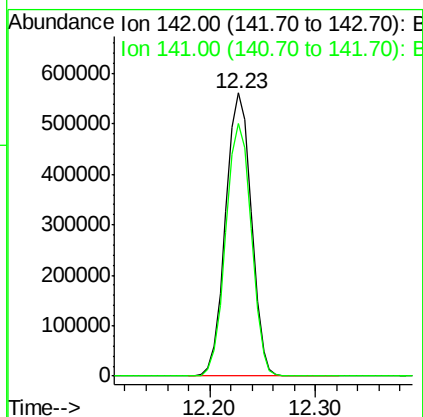
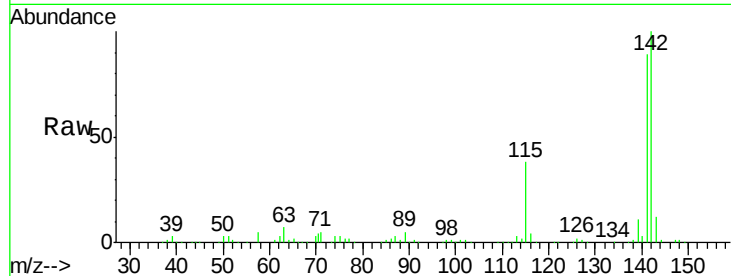




#34
 2-Methylnaphthalene
 Concen: 57.91 ng/ul
 RT: 12.23 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BM005248.D
 Acq: 05 May 2016 23:17

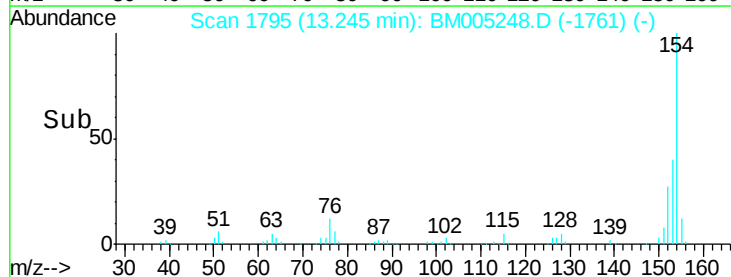
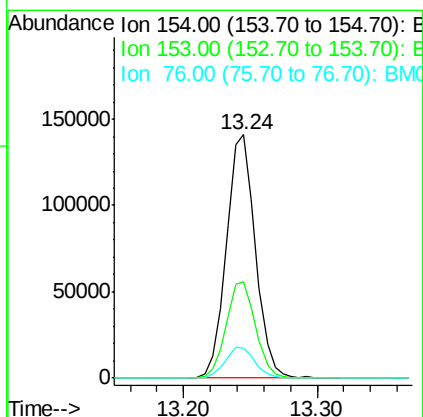
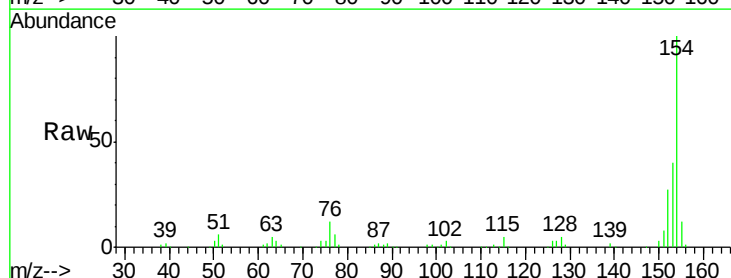
Instrument :
 BNA_M
 ClientSampleId :
 BC7R8

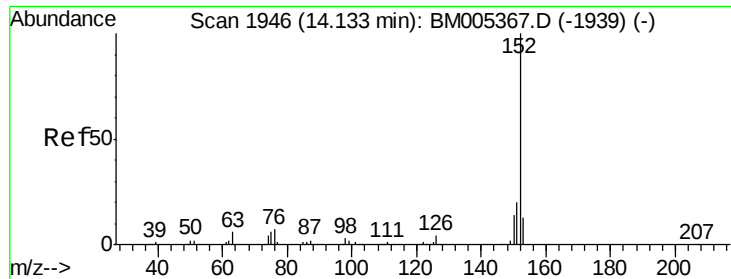
Tgt Ion:142 Resp: 944345
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.3 106.9



#40
 1,1'-Biphenyl
 Concen: 9.52 ng/ul
 RT: 13.24 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: BM005248.D
 Acq: 05 May 2016 23:17

Tgt Ion:154 Resp: 214300
 Ion Ratio Lower Upper
 154 100
 153 39.8 32.1 48.1
 76 12.5 10.6 15.8

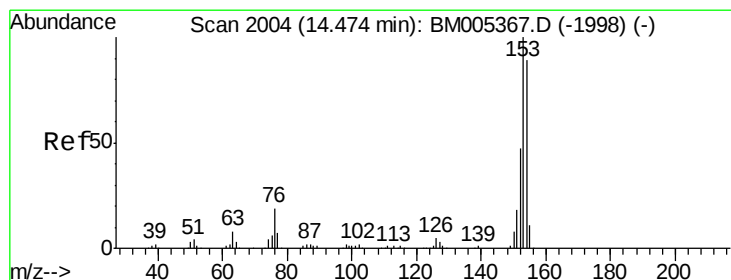
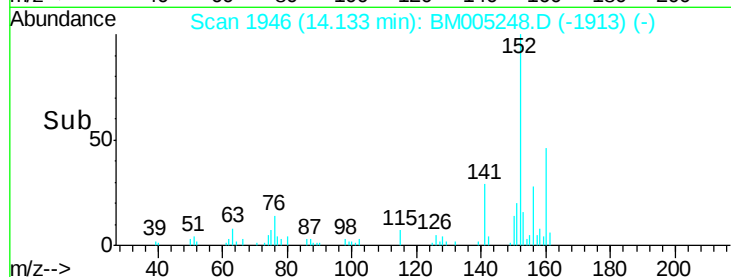
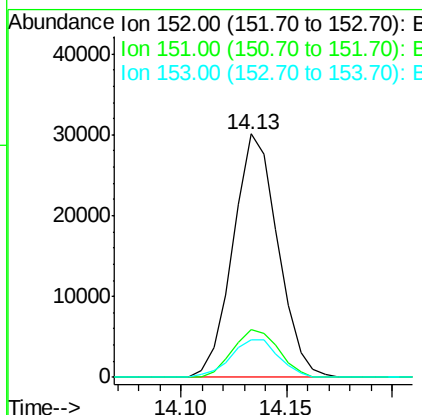
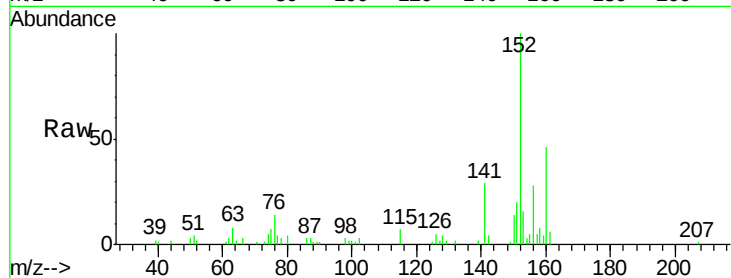




#47
Acenaphthylene
Concen: 1.57 ng/ul
RT: 14.13 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM005248.D
Acq: 05 May 2016 23:17

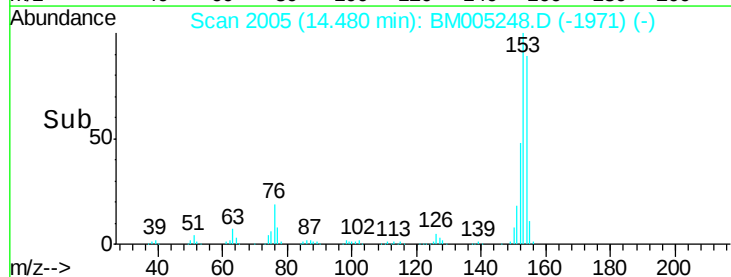
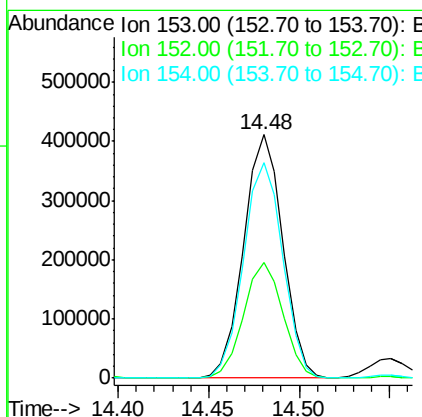
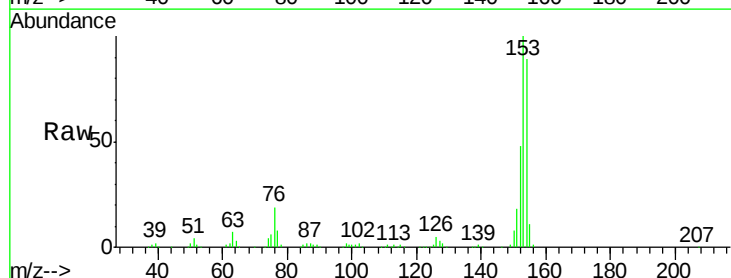
Instrument :
BNA_M
ClientSampleId :
BC7R8

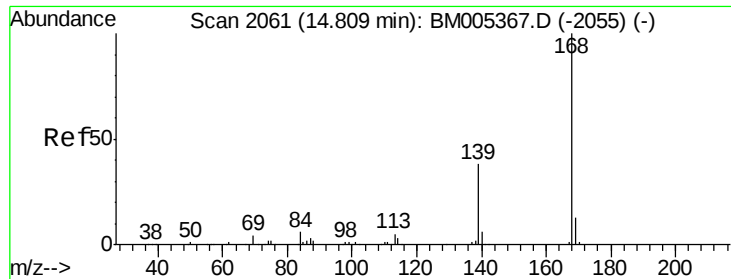
Tgt Ion:152 Resp: 44307
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 15.5 10.3 15.5#



#49
Acenaphthene
Concen: 33.20 ng/ul
RT: 14.48 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BM005248.D
Acq: 05 May 2016 23:17

Tgt Ion:153 Resp: 618303
Ion Ratio Lower Upper
153 100
152 47.8 38.9 58.3
154 88.5 70.3 105.5





#53

Dibenzofuran

Concen: 20.78 ng/ul

RT: 14.82 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

Instrument :

BNA_M

ClientSampled :

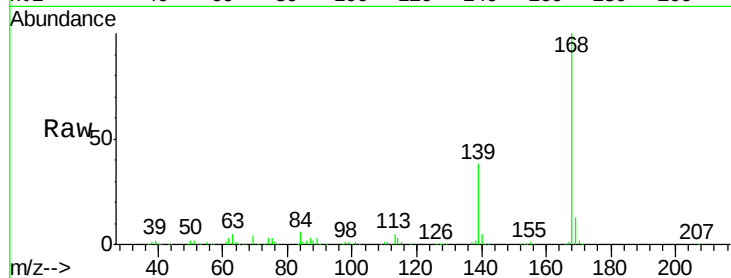
BC7R8

Tgt Ion:168 Resp: 561527

Ion Ratio Lower Upper

168 100

139 38.4 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.82

400000

300000

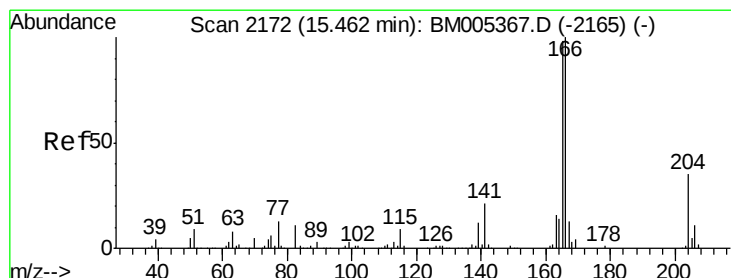
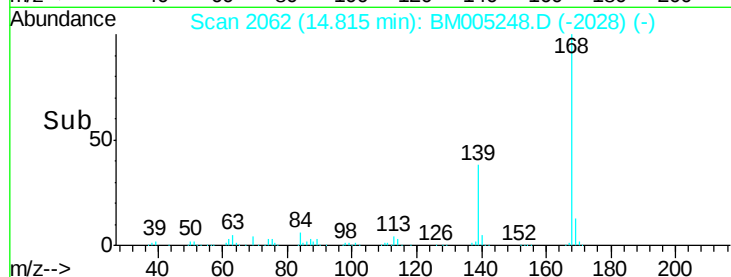
200000

100000

0

14.75 14.80 14.85 14.90

Time-->



#58

Fluorene

Concen: 18.97 ng/ul

RT: 15.47 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

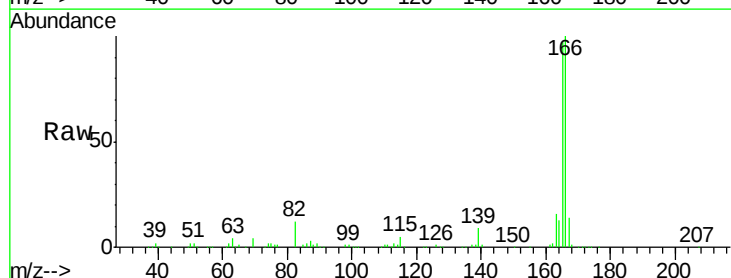
Tgt Ion:166 Resp: 400894

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

167 13.6 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

15.47

300000

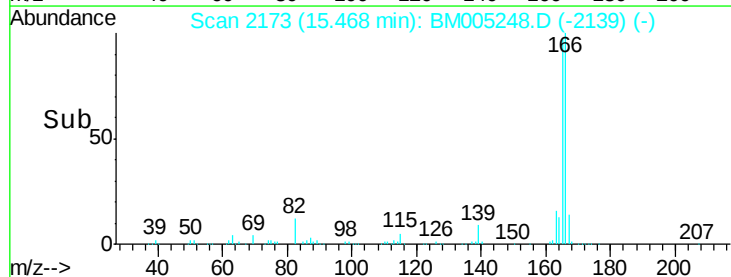
200000

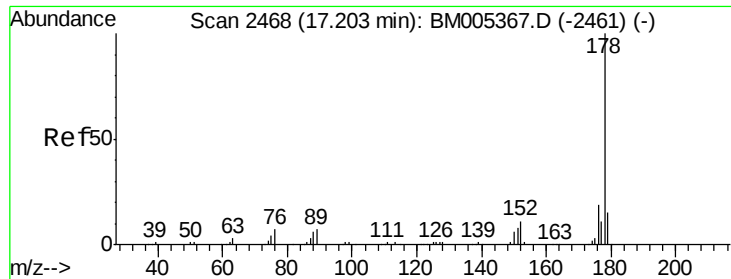
100000

0

15.40 15.45 15.50 15.55

Time-->





#69

Phenanthrene

Concen: 20.50 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

Instrument :

BNA_M

ClientSampleId :

BC7R8

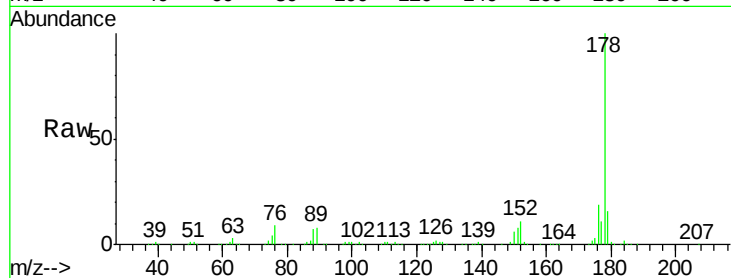
Tgt Ion:178 Resp: 739443

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

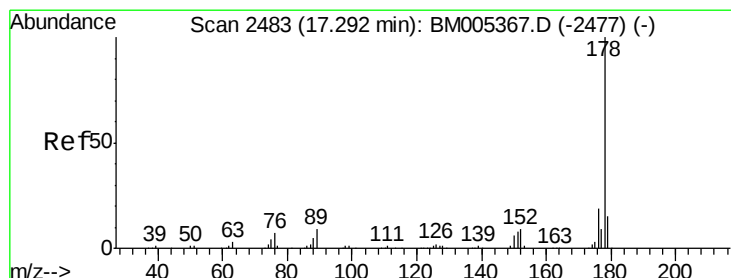
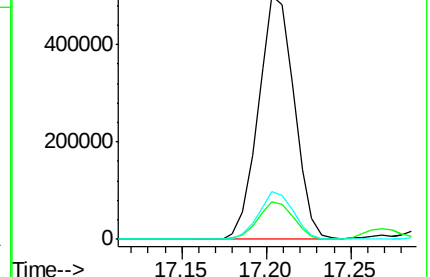
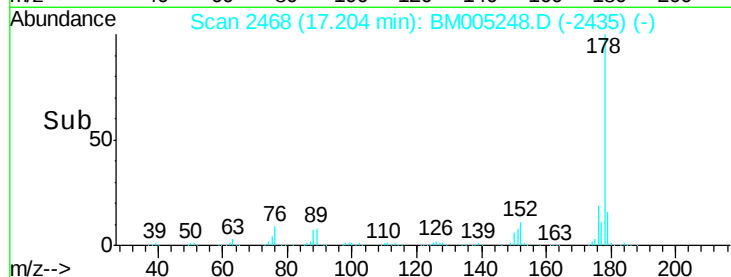
176 19.4 15.2 22.8



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



#71

Anthracene

Concen: 1.17 ng/ul

RT: 17.30 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

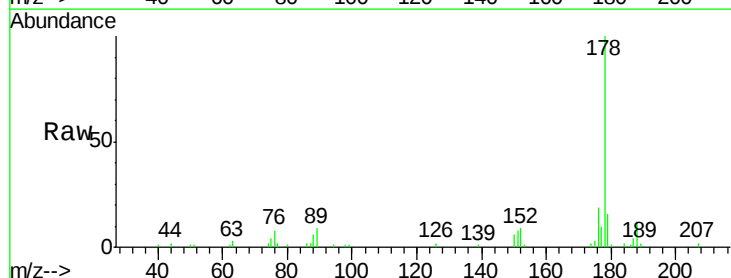
Tgt Ion:178 Resp: 41998

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

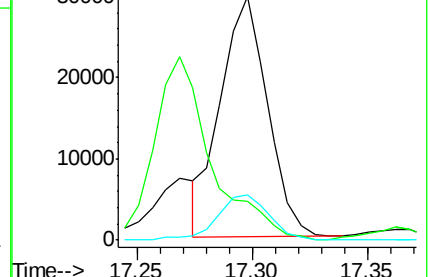
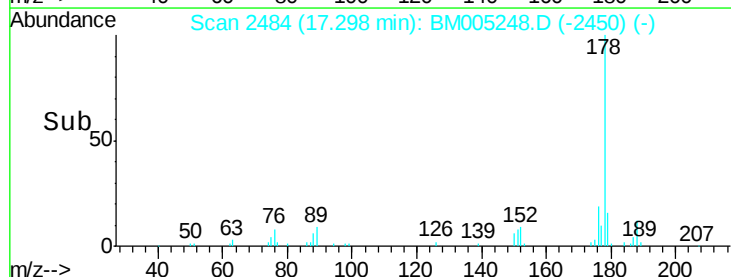
176 18.7 15.1 22.7

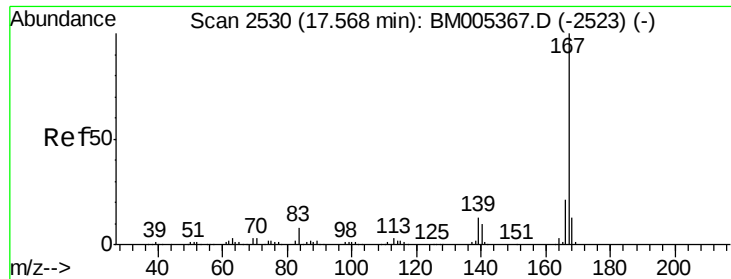


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.90 ng/ul

RT: 17.57 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

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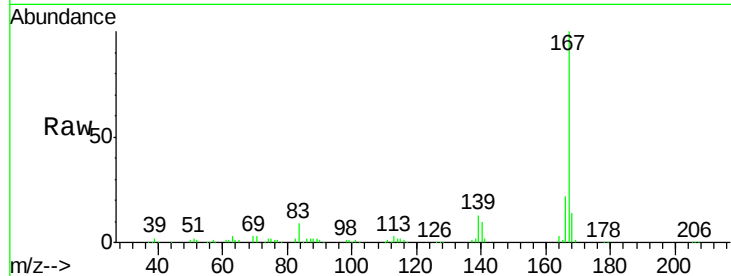
Tgt Ion:167 Resp: 186631

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

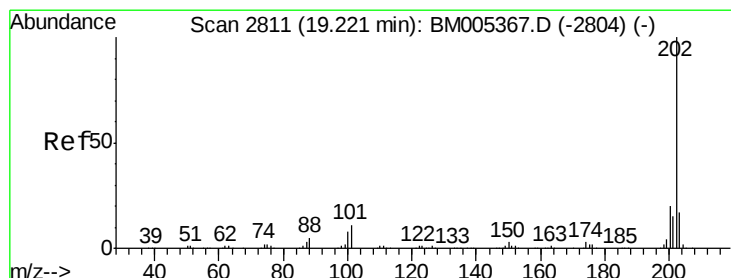
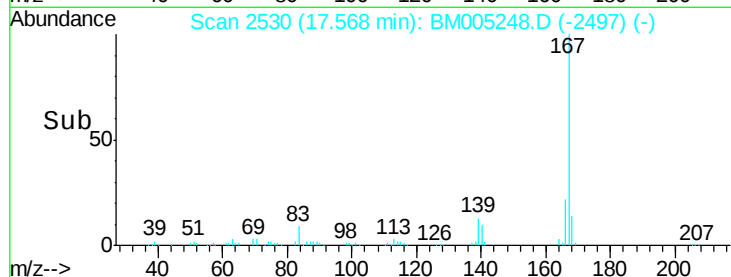
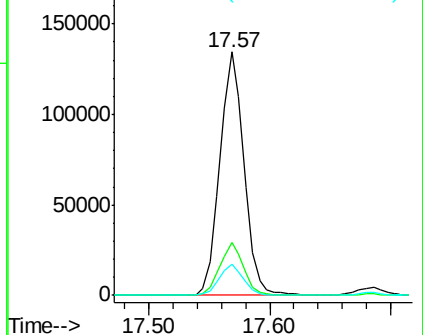
139 12.7 10.2 15.2



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: 2.32 ng/ul

RT: 19.22 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BM005248.D

Acq: 05 May 2016 23:17

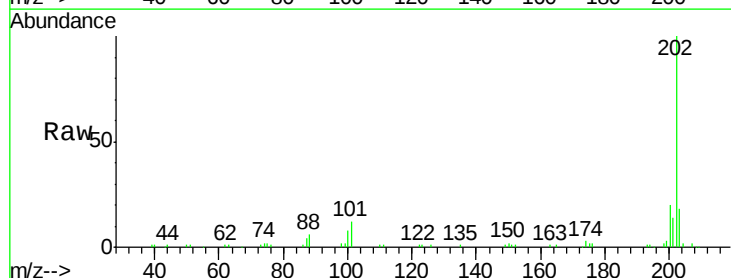
Tgt Ion:202 Resp: 92922

Ion Ratio Lower Upper

202 100

101 11.9 9.2 13.8

100 8.5 7.1 10.7



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

