

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002136.D
 Acq On : 30 Jul 2015 14:51
 Operator : TP/UM
 Sample : G3030-19RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K0RE

Quant Time: Jul 31 01:29:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 01:27:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	144201	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	629276	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	382455	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	741032	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	694440	20.00	ng/ul	0.02
86) Perylene-d12	23.43	264	689410	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	9077	3.26	ng/uL	0.00
5) Phenol-d5	6.78	99	244764	23.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.93	67	130151	22.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	207321	23.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	202149	24.67	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	102734	22.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	120576	24.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	225071	23.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	136313	12.96	ng/ul	0.01
44) Dimethylphthalate-d6	13.67	166	645868	23.06	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	693151	19.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	76994	16.47	ng/ul	0.02
58) Fluorene-d10	15.26	176	450923	18.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	17137	3.78	ng/ul	0.01
71) Anthracene-d10	17.11	188	592487	17.91	ng/ul	0.00
79) Pyrene-d10	19.42	212	545472	18.66	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.29	264	545962	16.34	ng/ul	0.03

Target Compounds

					Qvalue
6) Phenol	6.80	94	41053	3.89 ng/ul	98
14) Acetophenone	8.42	105	25341	1.95 ng/ul	98
28) Naphthalene	10.43	128	65399	2.19 ng/ul	98
34) 2-Methylnaphthalene	12.05	142	36285	1.67 ng/ul	98
35) 1-Methylnaphthalene	12.27	142	26315	1.26 ng/ul	94
45) Dimethylphthalate	13.72	163	411297	14.70 ng/ul	100
48) Acenaphthylene	13.98	152	37987	1.05 ng/ul#	96
50) Acenaphthene	14.32	153	142770	6.03 ng/ul	98
54) Dibenzofuran	14.66	168	81828	2.41 ng/ul	94
59) Fluorene	15.31	166	101611	3.62 ng/ul	99
70) Phenanthrene	17.06	178	1503815	39.18 ng/ul	99
72) Anthracene	17.14	178	348020	8.87 ng/ul	99
75) Carbazole	17.42	167	192703	5.75 ng/ul	98
76) Di-n-butylphthalate	17.98	149	430212	10.77 ng/ul	97
77) Fluoranthene	19.09	202	2613064	58.96 ng/ul	99
80) Pyrene	19.45	202	2241998	59.33 ng/ul	98
81) Butylbenzylphthalate	20.35	149	87376	6.05 ng/ul	95
83) Benzo(a)anthracene	21.20	228	1312394	34.09 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	498594	22.56 ng/ul	100
85) Chrysene	21.26	228	1226074	34.04 ng/ul	96
87) Di-n-octyl phthalate	22.00	149	111827	2.83 ng/ul	100
88) Benzo(b)fluoranthene	22.77	252	1725513	44.54 ng/ul#	96
89) Benzo(k)fluoranthene	22.77	252	372547	9.97 ng/ul#	97

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Response via : Initial Calibration

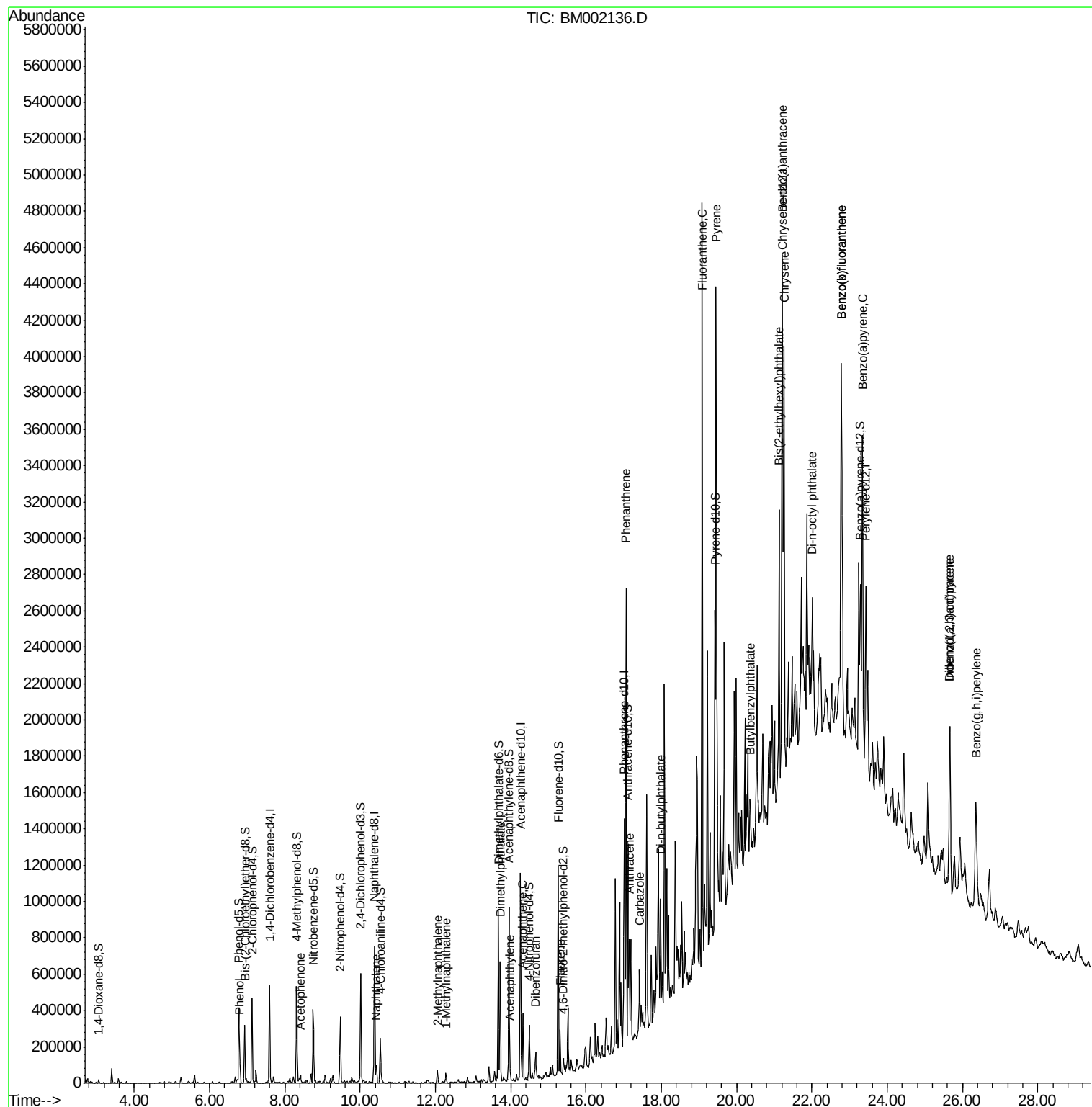
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.34	252	1176136	31.45	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.66	276	832510	19.32	ng/ul	96
93) Dibenzo(a,h)anthracene	25.66	278	229680	6.23	ng/ul#	90
94) Benzo(g,h,i)perylene	26.35	276	730821	20.23	ng/ul	98

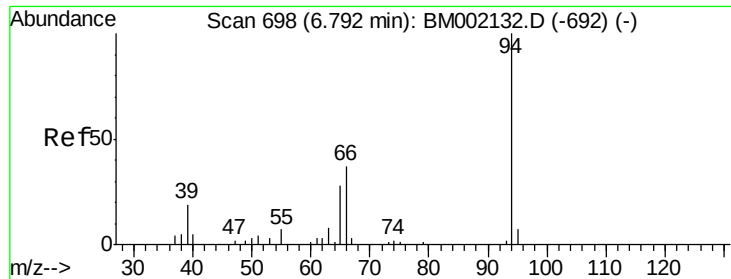
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.89 ng/ul

RT: 6.80 min Scan# 700

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

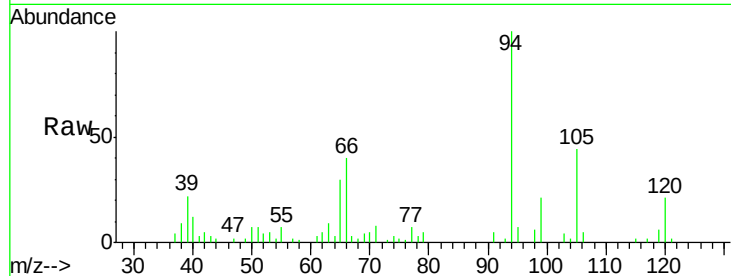
Tgt Ion: 94 Resp: 41053

Ion Ratio Lower Upper

94 100

65 30.1 21.8 32.8

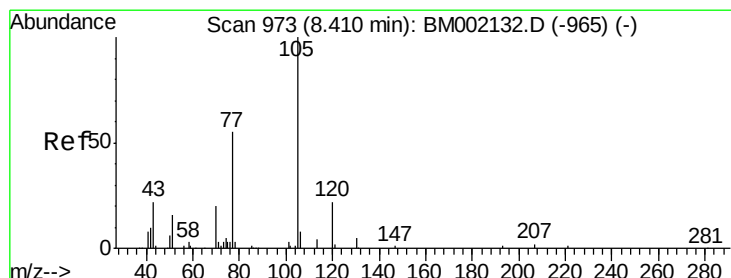
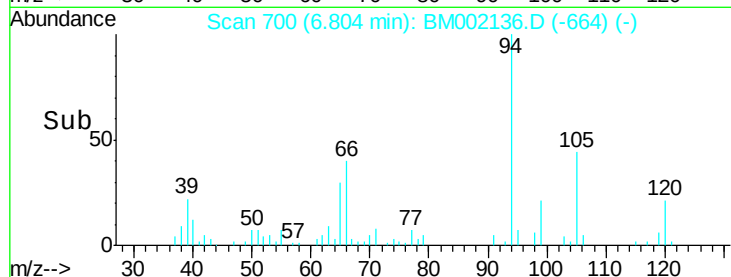
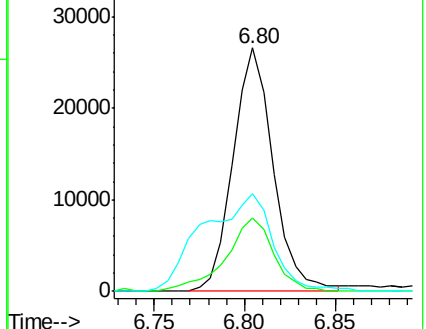
66 40.2 32.3 48.5



Abundance Ion 94.00 (93.70 to 94.70): BM002132.D (-692) (-)

Ion 65.00 (64.70 to 65.70): BM002132.D (-692) (-)

Ion 66.00 (65.70 to 66.70): BM002132.D (-692) (-)



#14

Acetophenone

Concen: 1.95 ng/ul

RT: 8.42 min Scan# 974

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

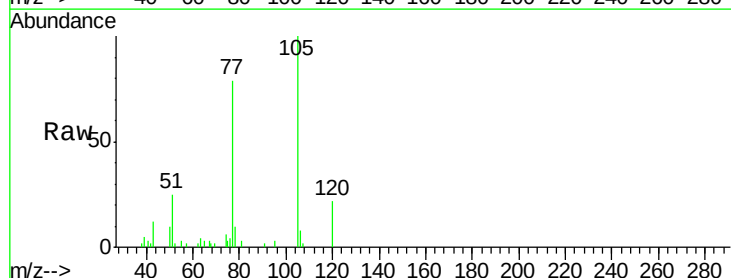
Tgt Ion: 105 Resp: 25341

Ion Ratio Lower Upper

105 100

77 78.8 61.8 92.8

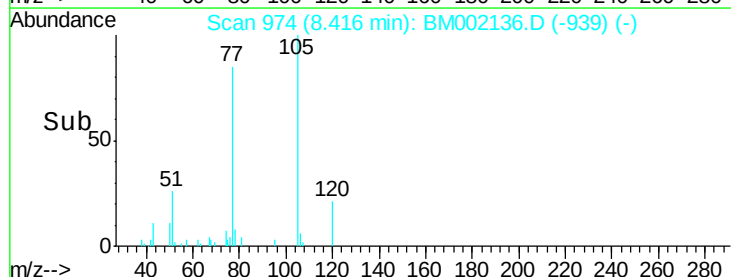
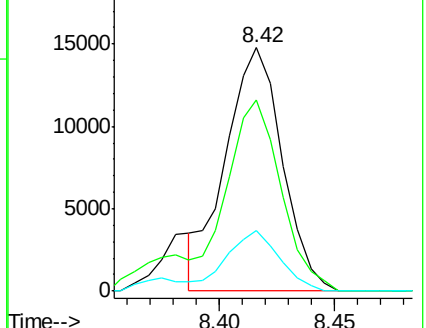
51 24.8 18.5 27.7

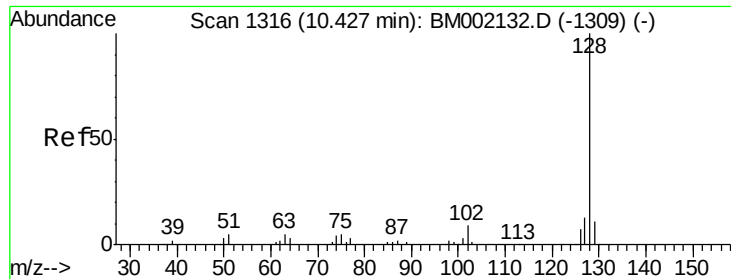


Abundance Ion 105.00 (104.70 to 105.70): BM002132.D (-965) (-)

Ion 77.00 (76.70 to 77.70): BM002132.D (-965) (-)

Ion 51.00 (50.70 to 51.70): BM002132.D (-965) (-)

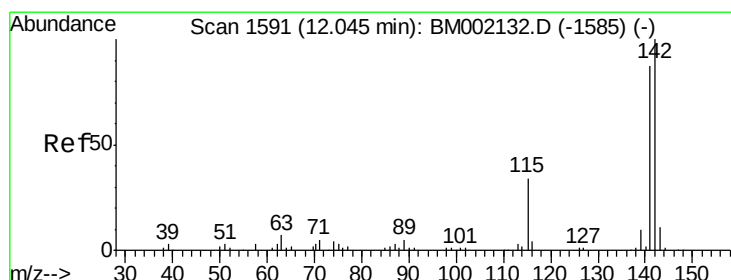
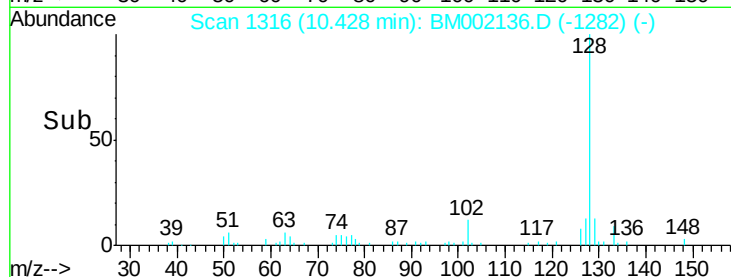
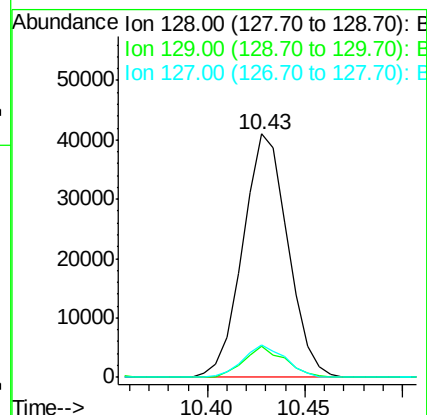
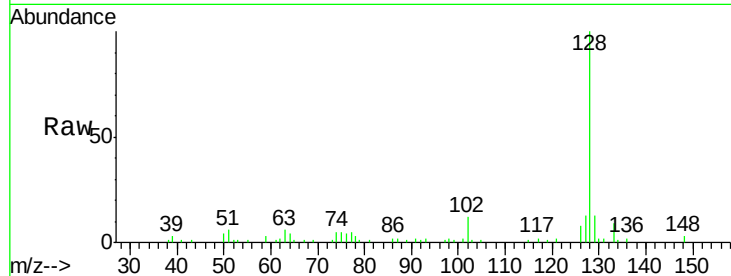




#28
Naphthalene
Concen: 2.19 ng/ul
RT: 10.43 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

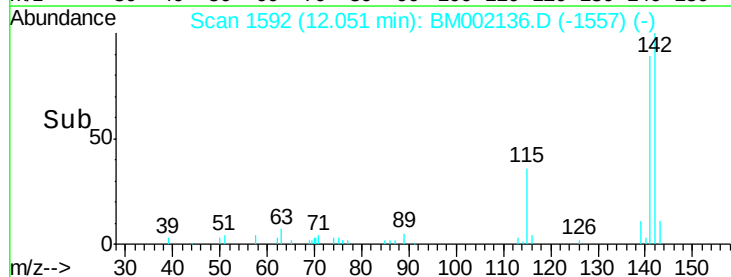
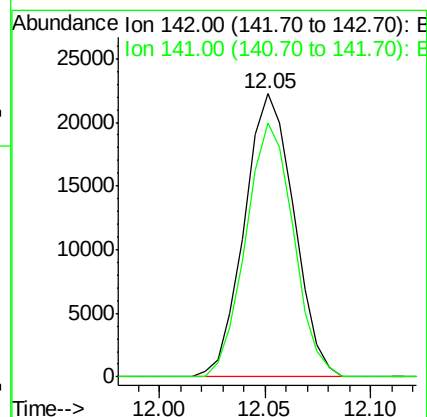
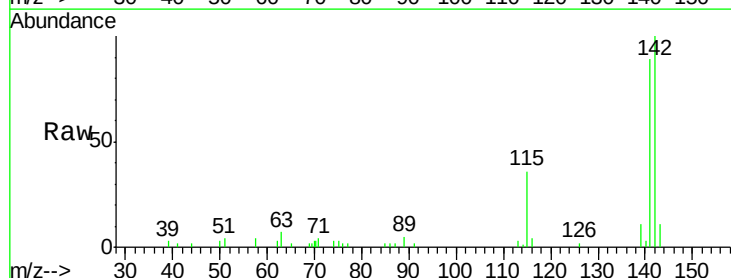
Instrument :
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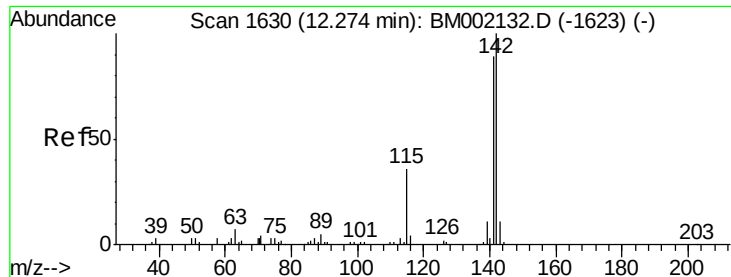
Tgt Ion:128 Resp: 65399
Ion Ratio Lower Upper
128 100
129 12.6 9.0 13.4
127 13.3 10.2 15.4



#34
2-Methylnaphthalene
Concen: 1.67 ng/ul
RT: 12.05 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion:142 Resp: 36285
Ion Ratio Lower Upper
142 100
141 89.5 69.8 104.6

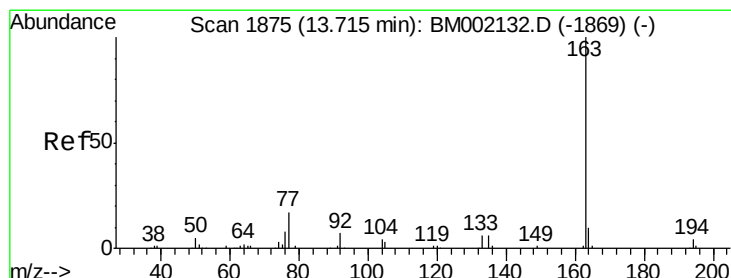
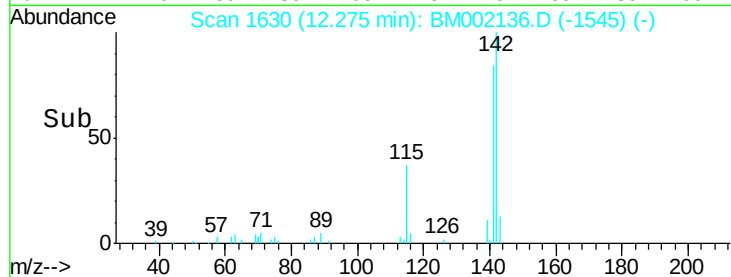
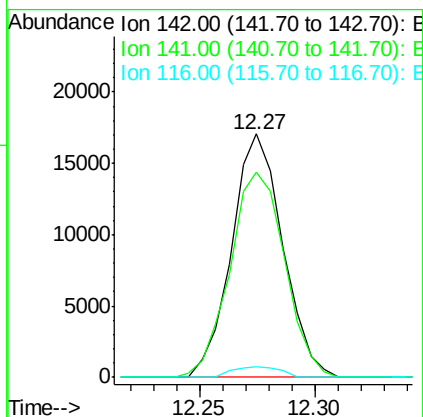
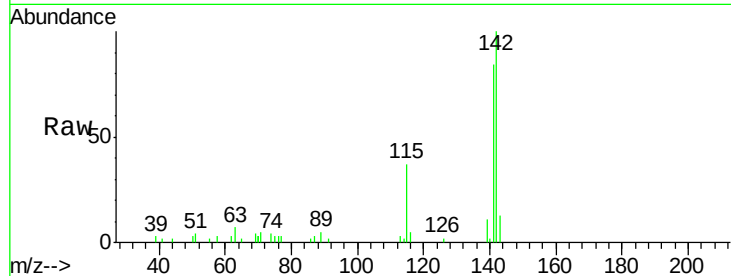




#35
 1-Methylnaphthalene
 Concen: 1.26 ng/ul
 RT: 12.27 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

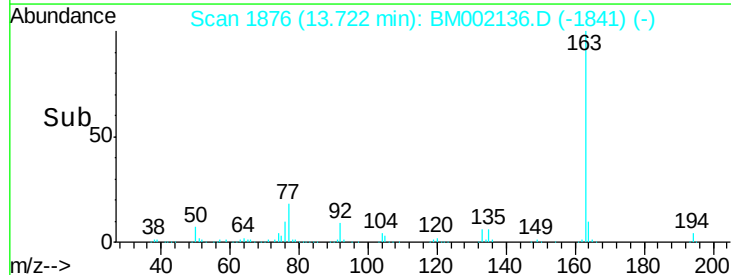
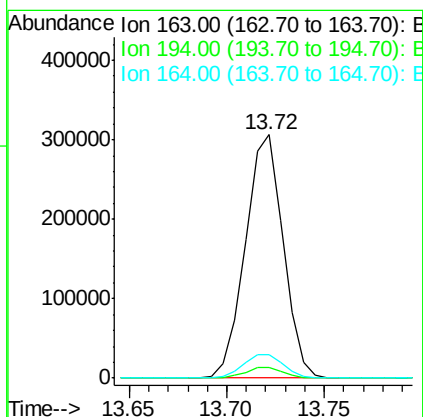
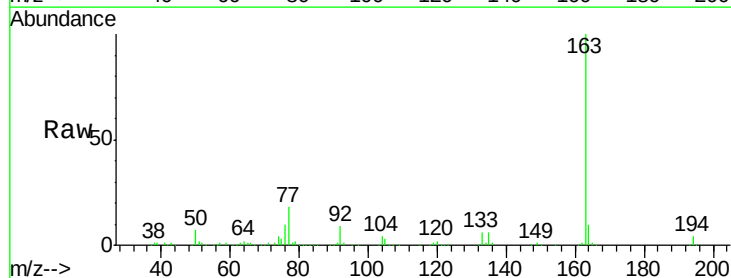
Instrument :
 BNA_M
 ClientSampleId :
 C02K0RE

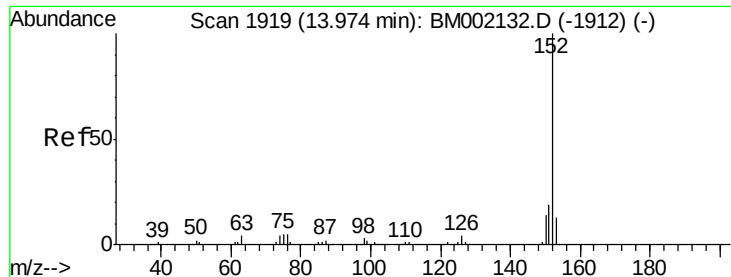
Tgt Ion:142 Resp: 26315
 Ion Ratio Lower Upper
 142 100
 141 84.3 72.4 108.6
 116 4.6 3.2 4.8



#45
 Dimethylphthalate
 Concen: 14.70 ng/ul
 RT: 13.72 min Scan# 1876
 Delta R.T. 0.01 min
 Lab File: BM002136.D
 Acq: 30 Jul 2015 14:51

Tgt Ion:163 Resp: 411297
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 9.8 8.0 12.0





#48

Acenaphthylene

Concen: 1.05 ng/ul

RT: 13.98 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

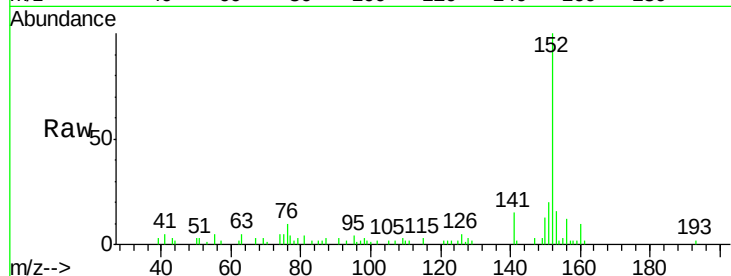
Tgt Ion:152 Resp: 37987

Ion Ratio Lower Upper

152 100

151 20.0 15.6 23.4

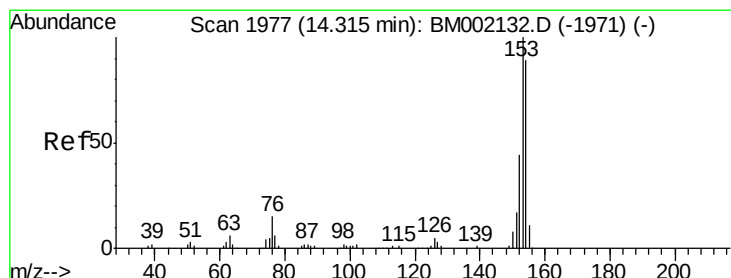
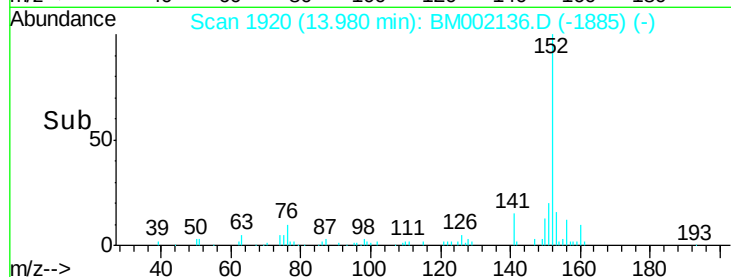
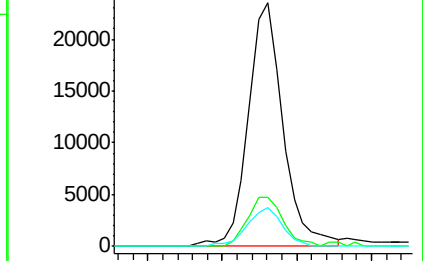
153 16.2 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 6.03 ng/ul

RT: 14.32 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

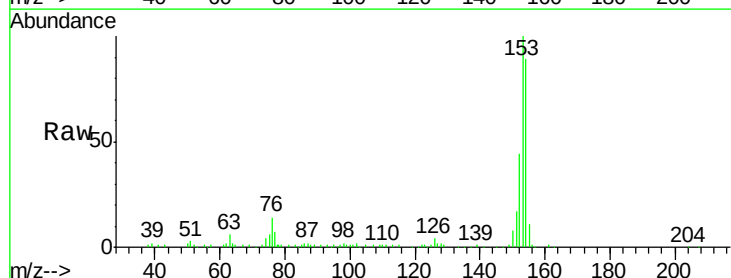
Tgt Ion:153 Resp: 142770

Ion Ratio Lower Upper

153 100

152 43.6 37.3 55.9

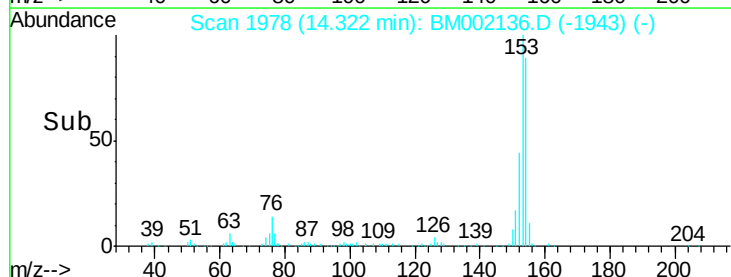
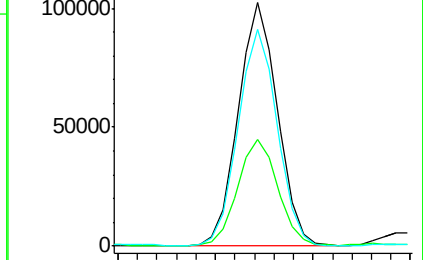
154 88.8 71.4 107.2

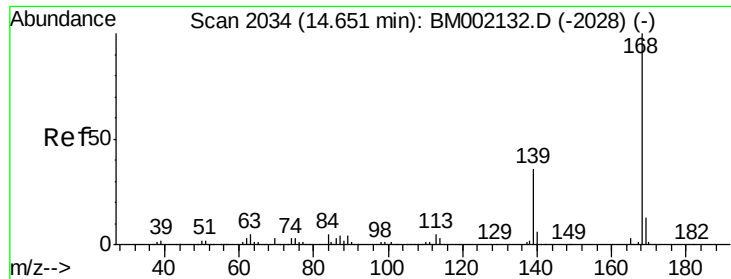


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.41 ng/ul

RT: 14.66 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

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ClientSampleId :

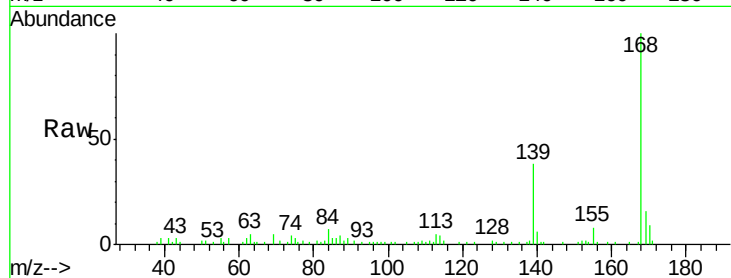
C02K0RE

Tgt Ion:168 Resp: 81828

Ion Ratio Lower Upper

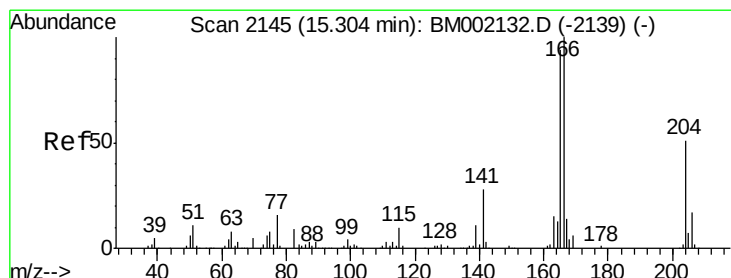
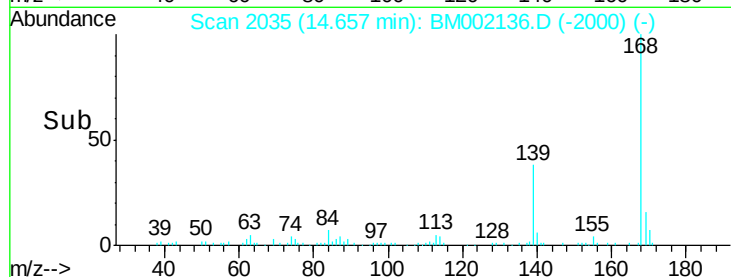
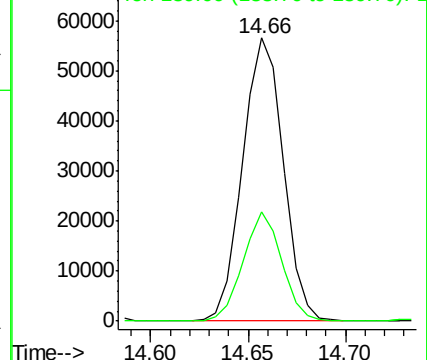
168 100

139 38.5 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 3.62 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

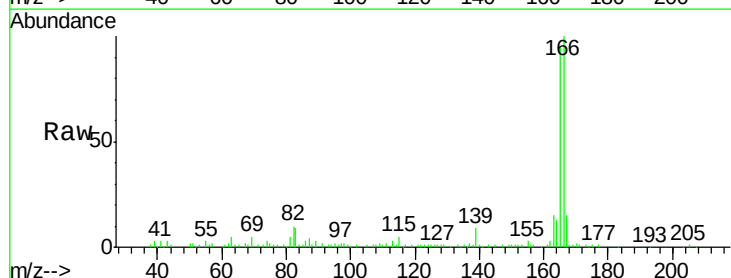
Tgt Ion:166 Resp: 101611

Ion Ratio Lower Upper

166 100

165 95.0 75.6 113.4

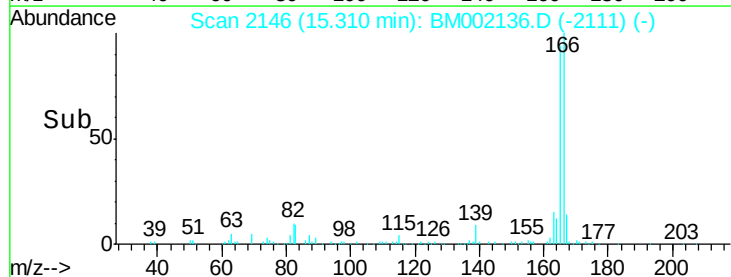
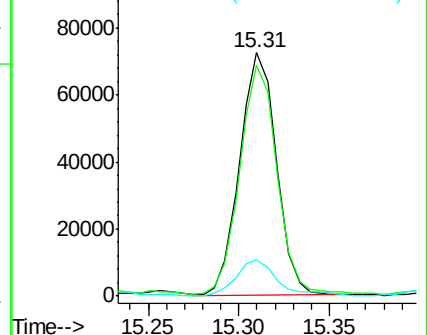
167 15.1 10.5 15.7

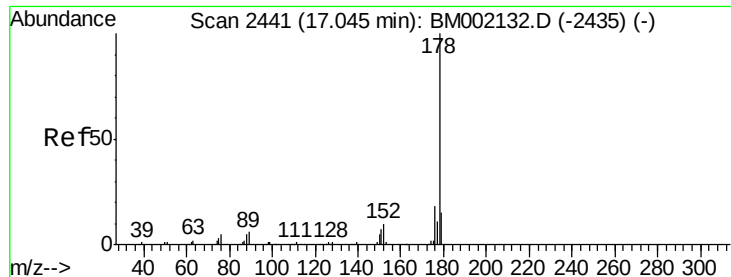


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 39.18 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

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C02K0RE

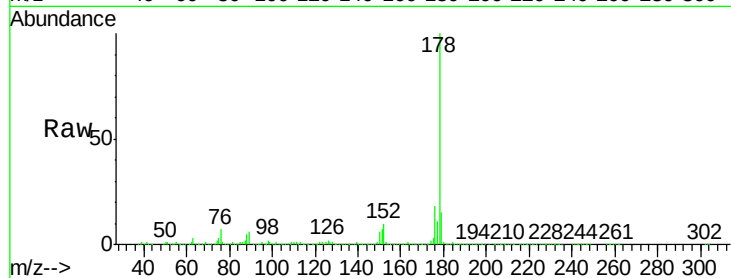
Tgt Ion:178 Resp: 1503815

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

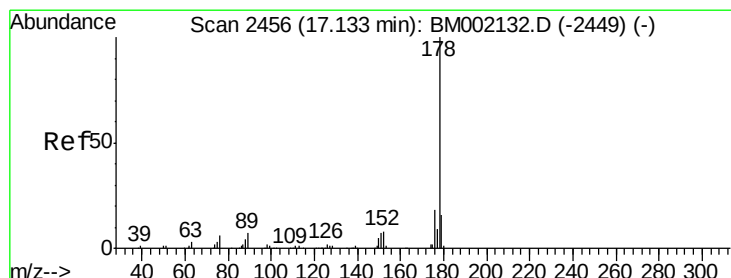
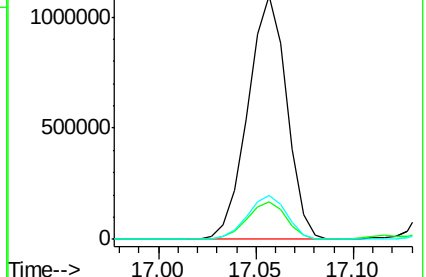
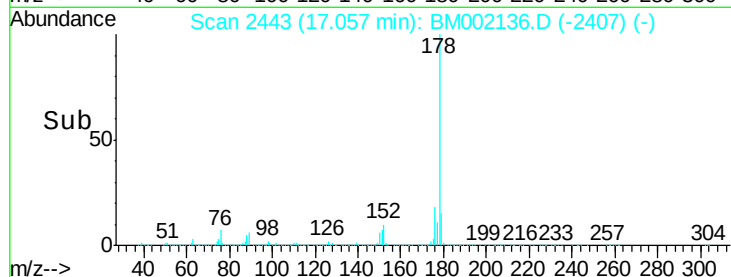
176 18.1 14.2 21.4



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

Anthracene

Concen: 8.87 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

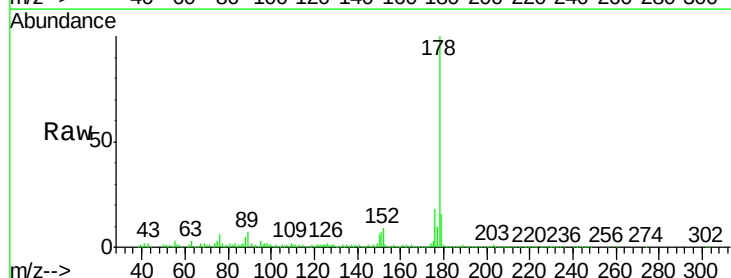
Tgt Ion:178 Resp: 348020

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

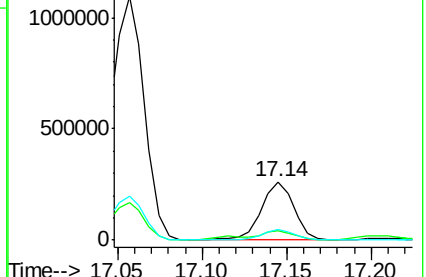
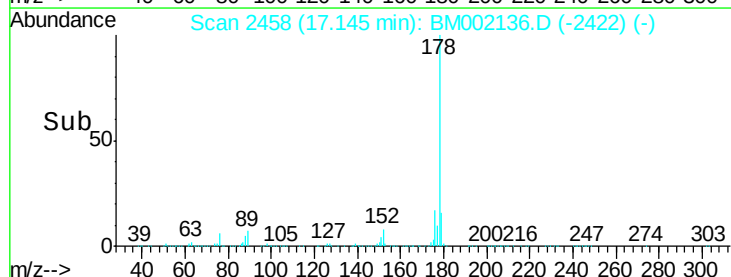
176 17.5 14.1 21.1

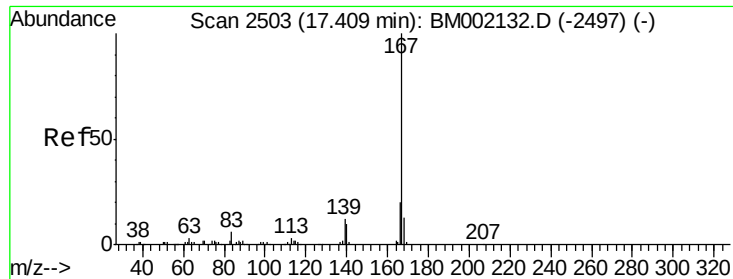


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.75 ng/ul

RT: 17.42 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

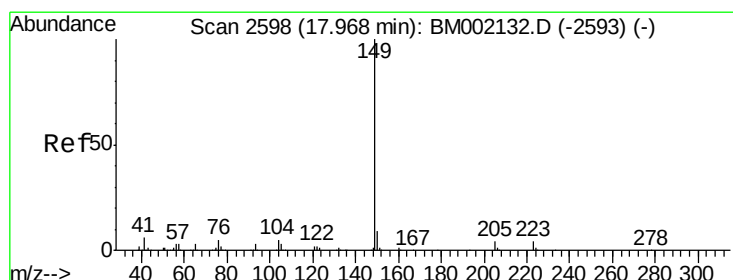
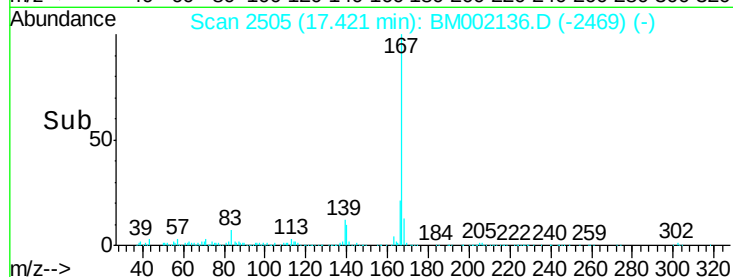
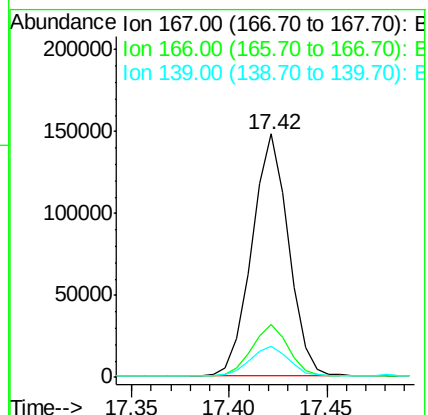
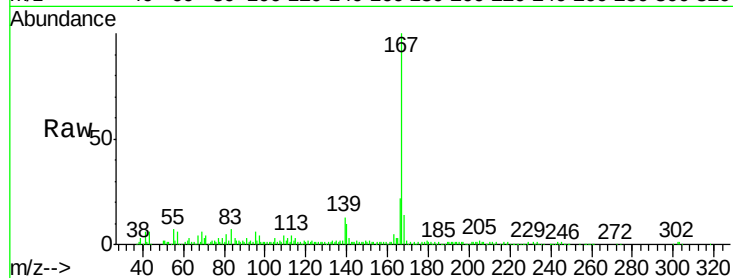
Tgt Ion:167 Resp: 192703

Ion Ratio Lower Upper

167 100

166 21.6 16.2 24.4

139 12.7 9.6 14.4



#76

Di-n-butylphthalate

Concen: 10.77 ng/ul

RT: 17.98 min Scan# 2600

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

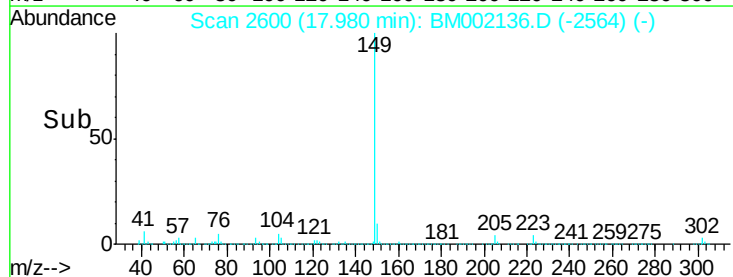
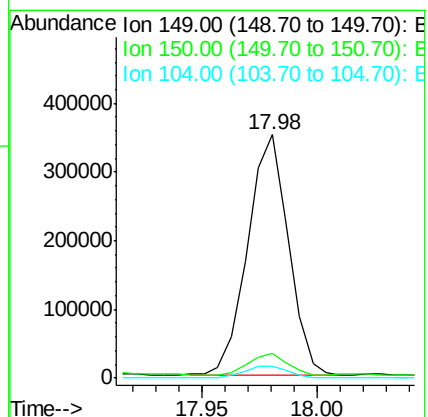
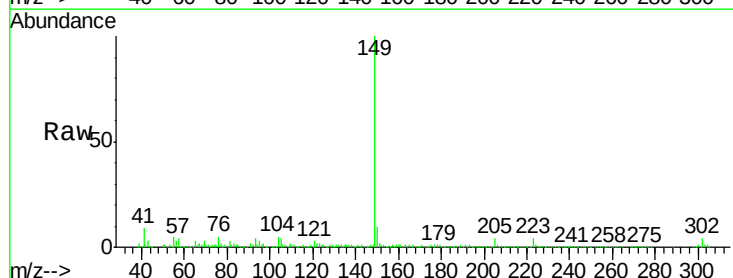
Tgt Ion:149 Resp: 430212

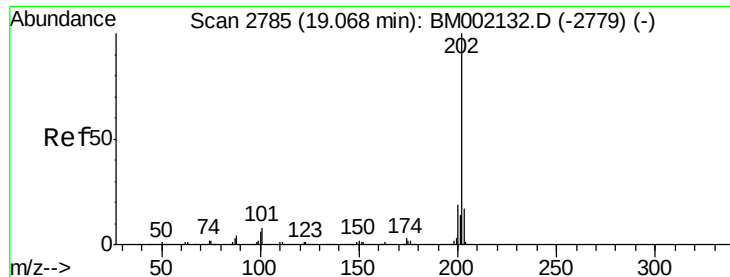
Ion Ratio Lower Upper

149 100

150 10.1 7.0 10.4

104 5.1 4.2 6.2





#77

Fluoranthene

Concen: 58.96 ng/ul

RT: 19.09 min Scan# 2788

Delta R.T. 0.02 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

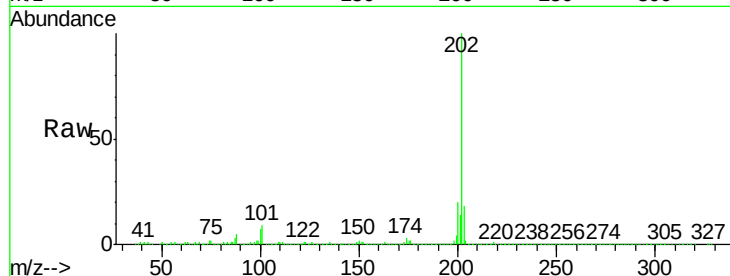
Tgt Ion:202 Resp: 2613064

Ion Ratio Lower Upper

202 100

101 8.6 6.2 9.4

100 6.6 5.2 7.8



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

2500000

2000000

1500000

1000000

500000

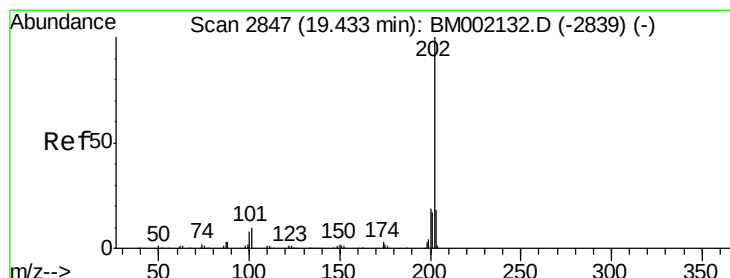
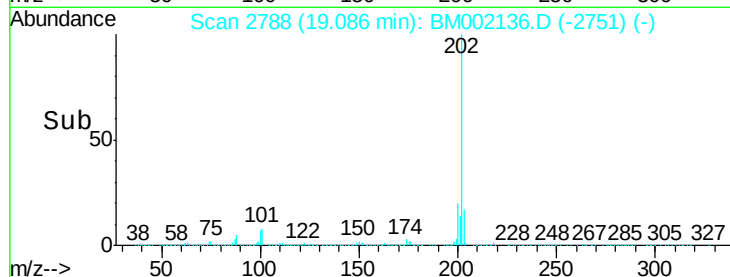
0

19.09

19.05

19.10

Time-->



#80

Pyrene

Concen: 59.33 ng/ul

RT: 19.45 min Scan# 2850

Delta R.T. 0.02 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

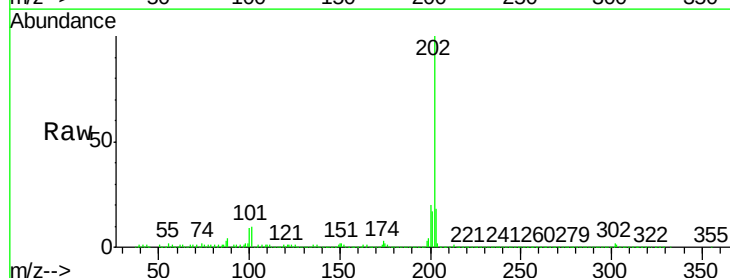
Tgt Ion:202 Resp: 2241998

Ion Ratio Lower Upper

202 100

101 10.4 7.4 11.2

100 8.6 6.3 9.5



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

2000000

1500000

1000000

500000

0

19.45

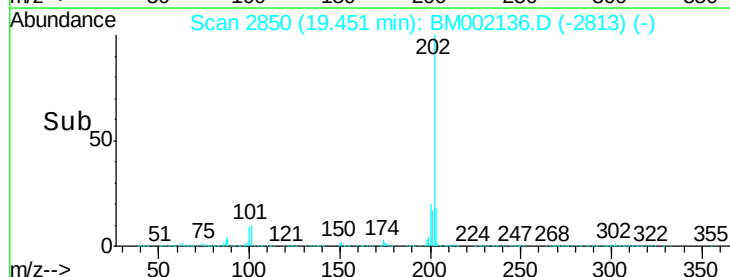
19.35

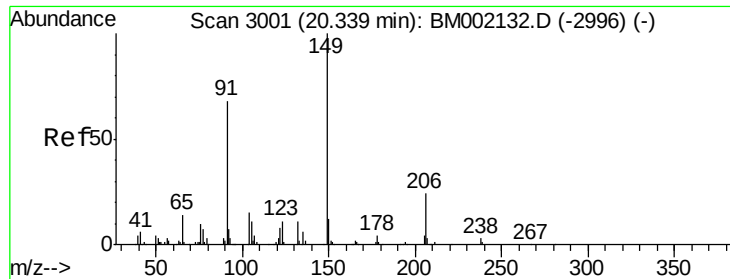
19.40

19.45

19.50

Time-->

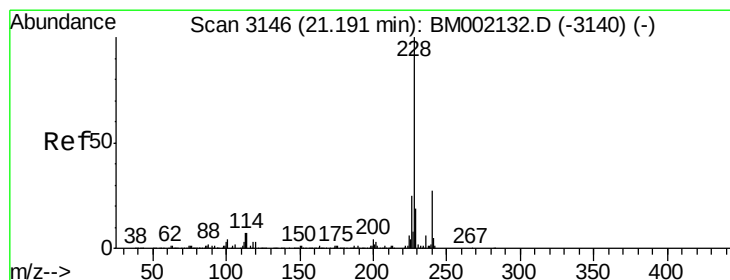
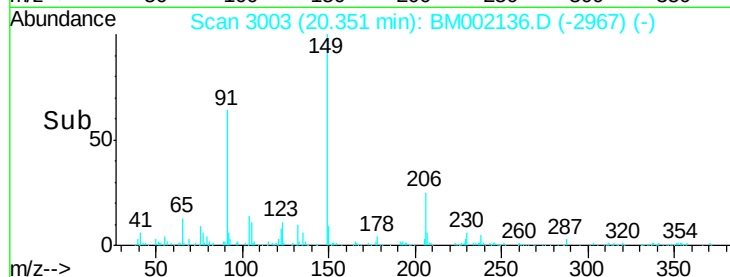
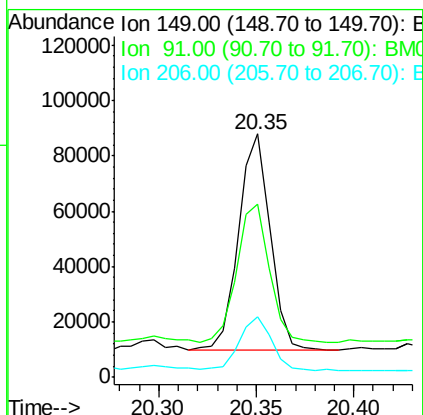
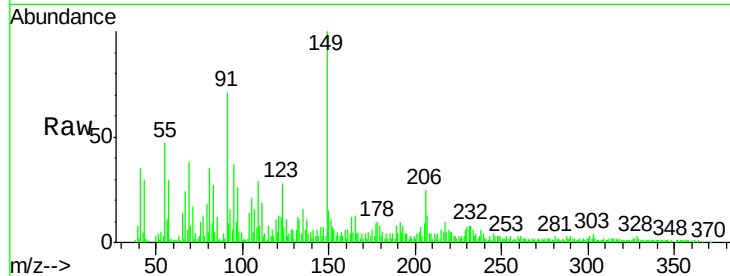




#81
Butylbenzylphthalate
Concen: 6.05 ng/ul
RT: 20.35 min Scan# 3003
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

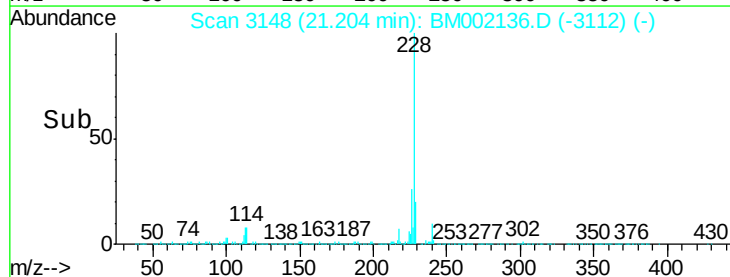
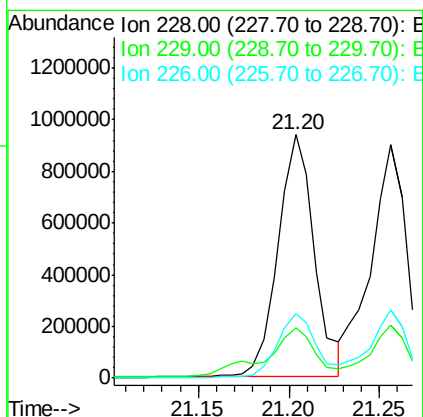
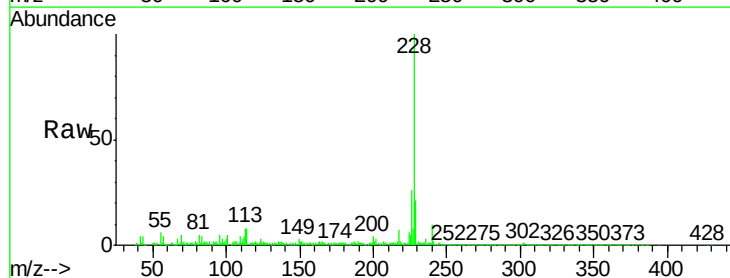
Instrument :
BNA_M
ClientSampleId :
C02K0RE

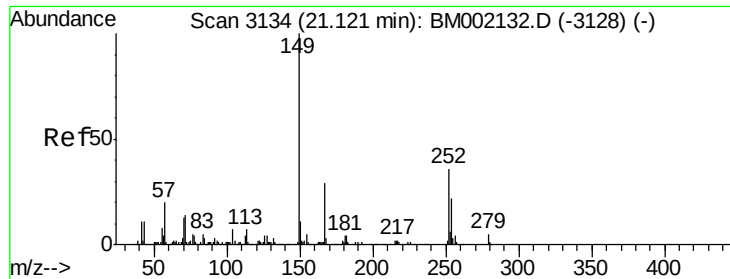
Tgt Ion:149 Resp: 87376
Ion Ratio Lower Upper
149 100
91 71.3 52.4 78.6
206 24.7 19.9 29.9



#83
Benzo(a)anthracene
Concen: 34.09 ng/ul
RT: 21.20 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BM002136.D
Acq: 30 Jul 2015 14:51

Tgt Ion:228 Resp: 1312394
Ion Ratio Lower Upper
228 100
229 20.6 15.4 23.2
226 26.3 20.5 30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 22.56 ng/ul

RT: 21.12 min Scan# 3134

Delta R.T. 0.00 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

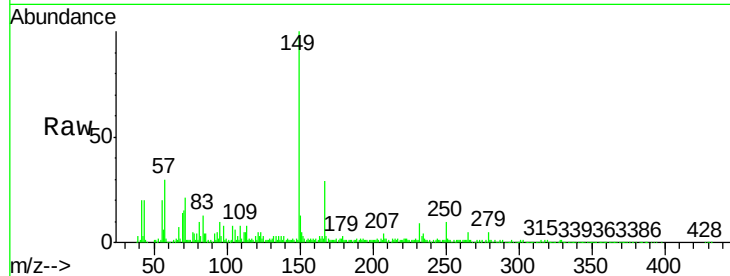
Tgt Ion:149 Resp: 498594

Ion Ratio Lower Upper

149 100

167 29.5 23.6 35.4

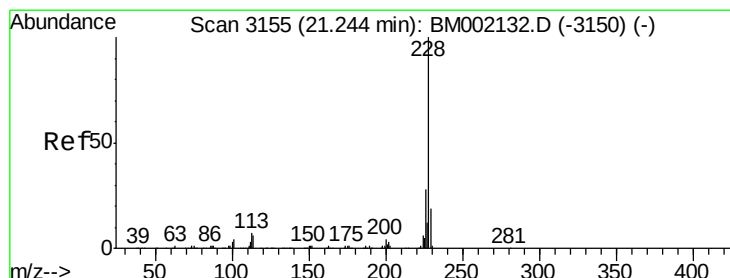
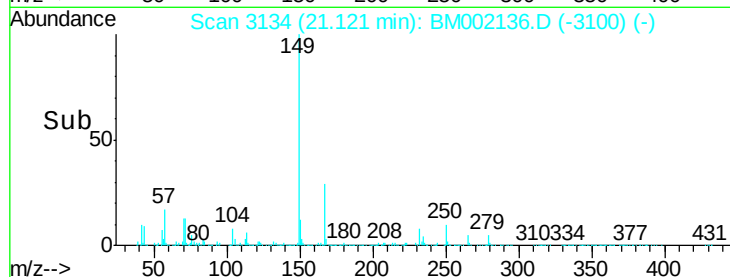
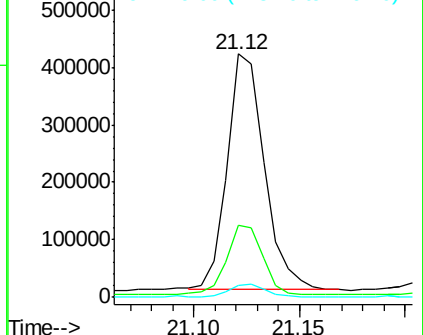
279 5.0 4.2 6.4



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: 34.04 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

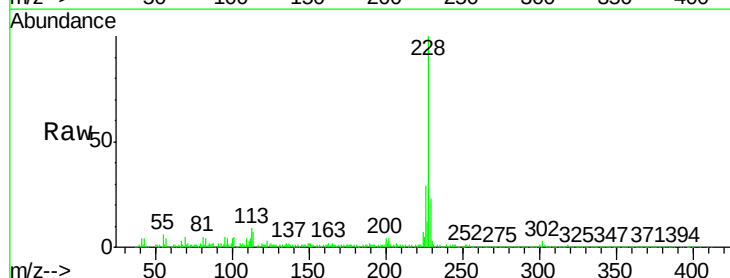
Tgt Ion:228 Resp: 1226074

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

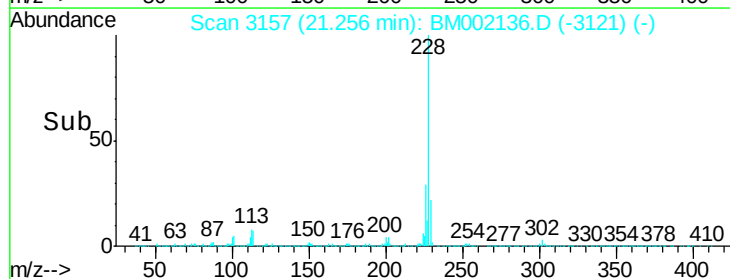
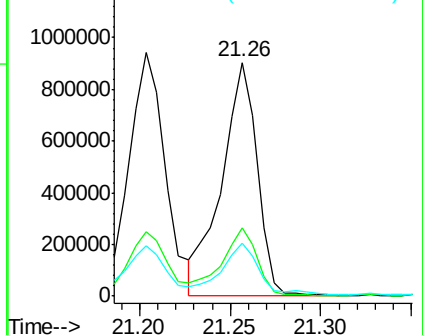
229 22.8 15.5 23.3

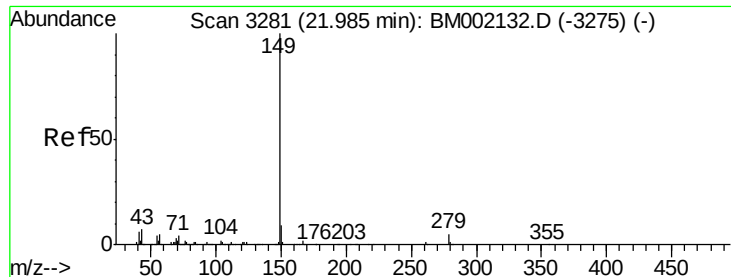


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Di-n-octyl phthalate

Concen: 2.83 ng/ul

RT: 22.00 min Scan# 3283

Delta R.T. 0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

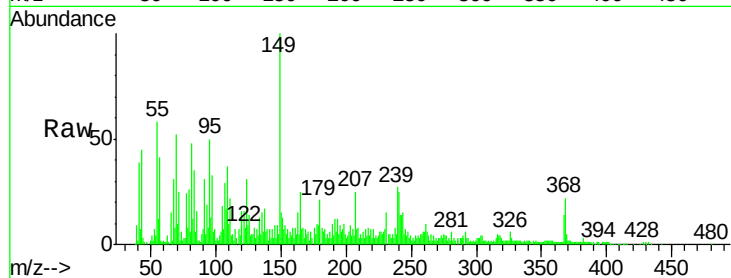
Instrument :

BNA_M

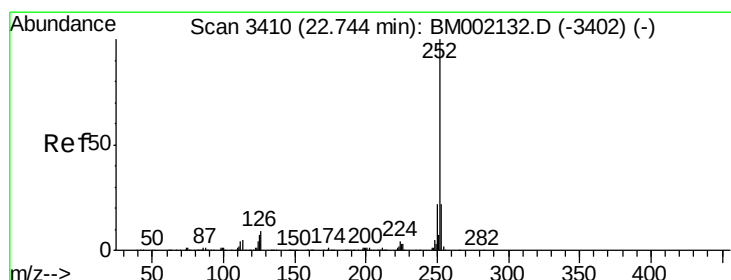
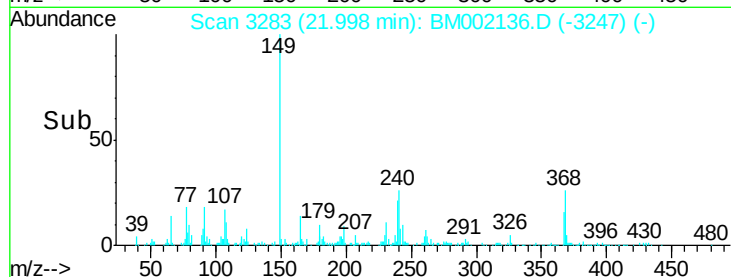
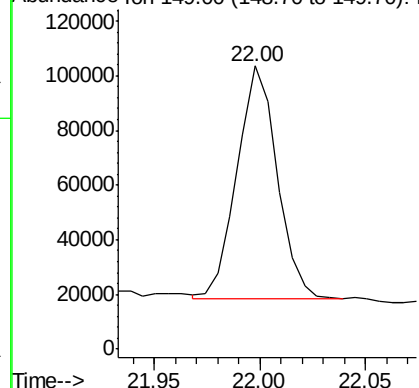
ClientSampleId :

C02K0RE

Tgt Ion:149 Resp: 111827



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 44.54 ng/ul

RT: 22.77 min Scan# 3415

Delta R.T. 0.03 min

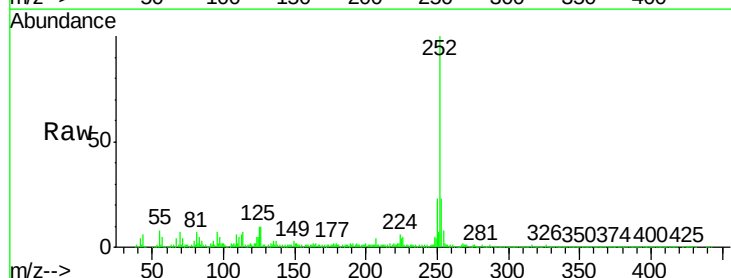
Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

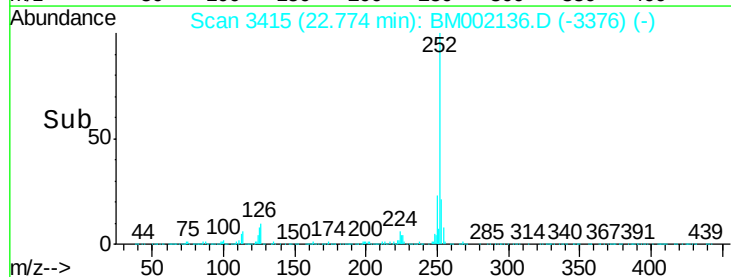
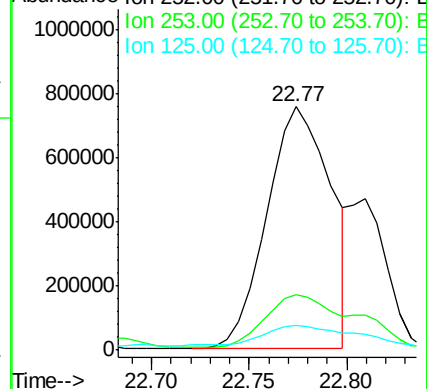
Tgt Ion:252 Resp: 1725513

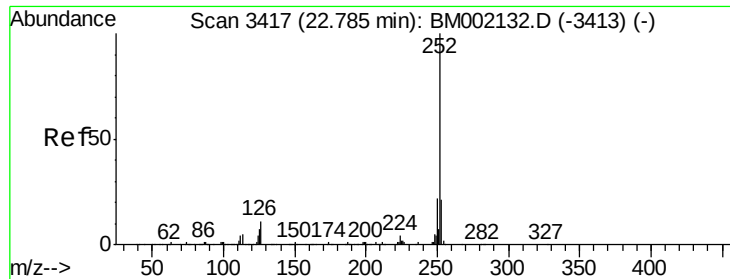
Ion Ratio Lower Upper

252	100		
253	22.6	16.9	25.3
125	10.2	6.2	9.2



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 9.97 ng/ul

RT: 22.77 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

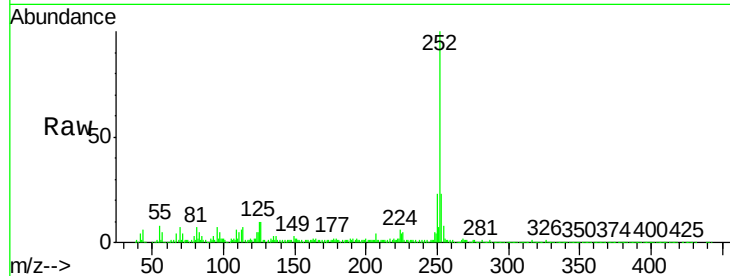
Tgt Ion:252 Resp: 372547

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

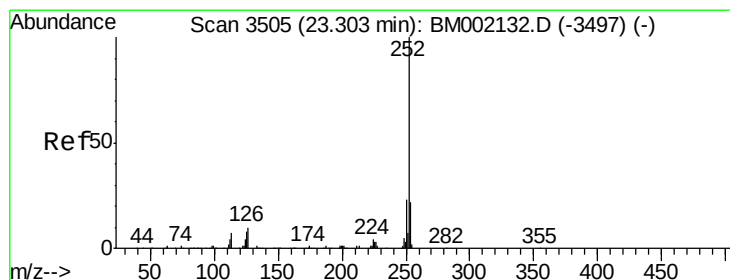
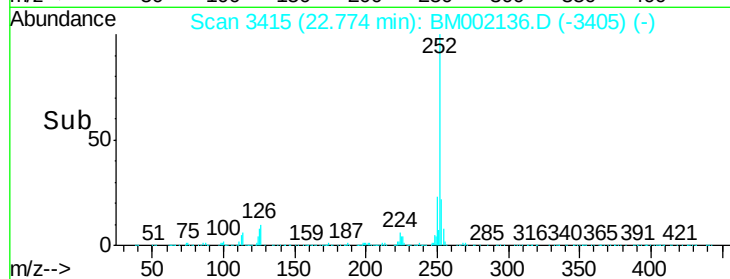
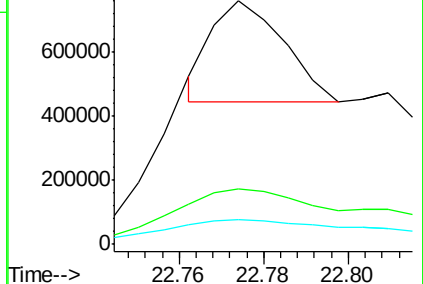
125 10.2 6.2 9.4#



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



#91

Benzo(a)pyrene

Concen: 31.45 ng/ul

RT: 23.34 min Scan# 3511

Delta R.T. 0.04 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

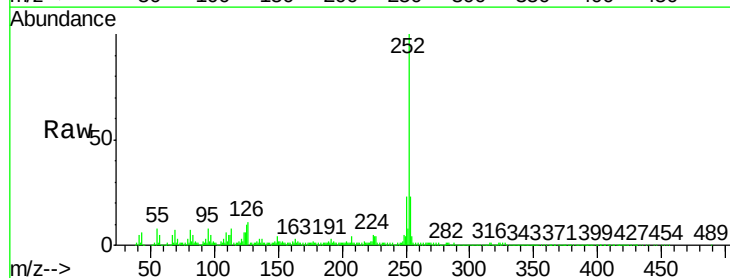
Tgt Ion:252 Resp: 1176136

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

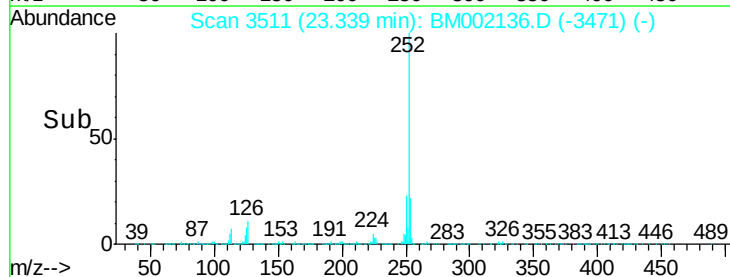
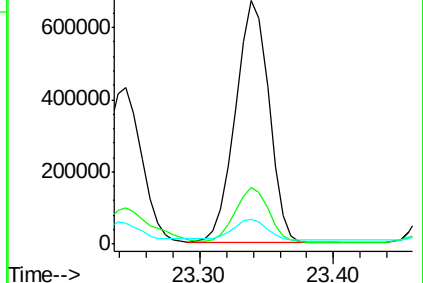
125 10.1 6.6 10.0#

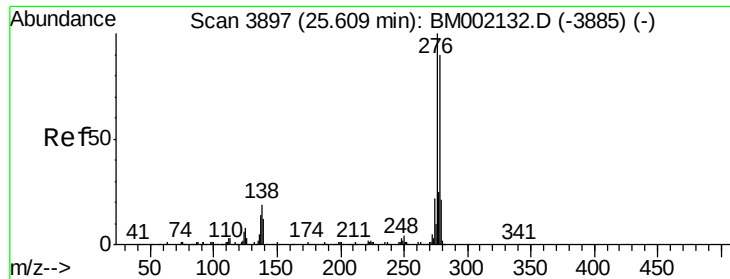


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 19.32 ng/ul

RT: 25.66 min Scan# 3906

Delta R.T. 0.05 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE

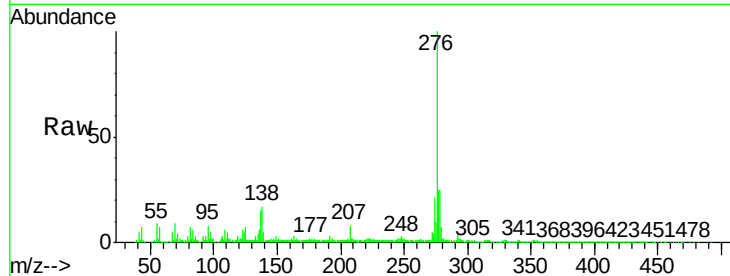
Tgt Ion:276 Resp: 832510

Ion Ratio Lower Upper

276 100

138 16.9 16.2 24.2

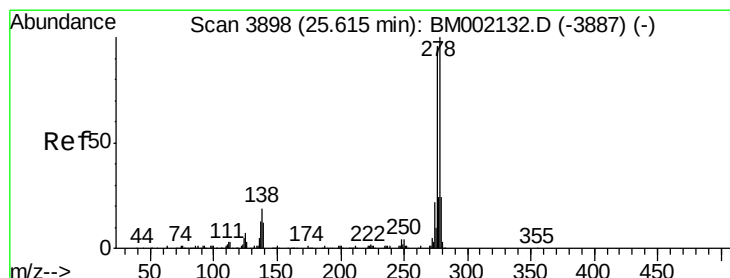
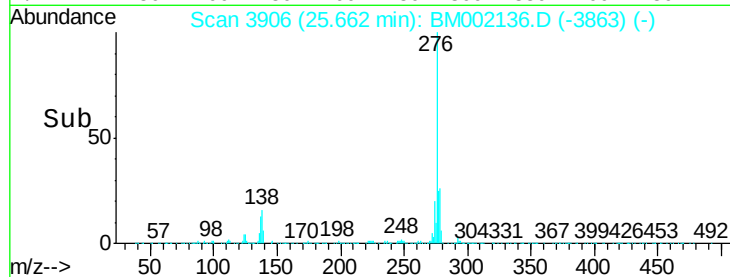
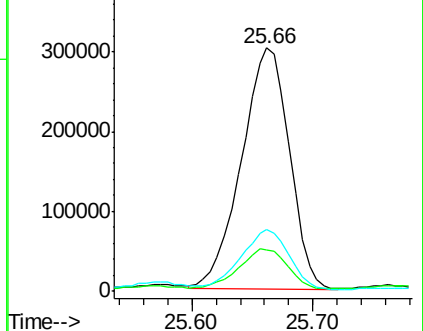
277 25.3 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 6.23 ng/ul

RT: 25.66 min Scan# 3906

Delta R.T. 0.05 min

Lab File: BM002136.D

Acq: 30 Jul 2015 14:51

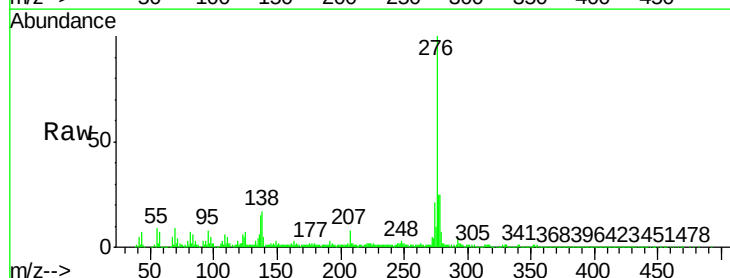
Tgt Ion:278 Resp: 229680

Ion Ratio Lower Upper

278 100

139 18.9 10.6 16.0#

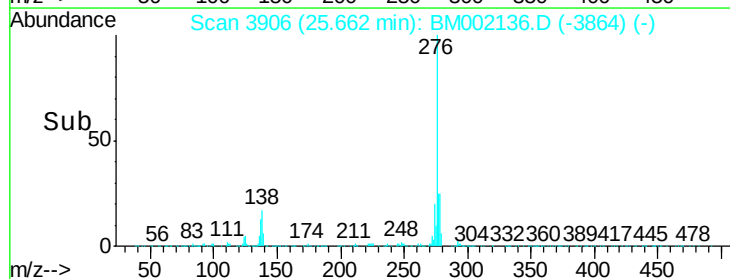
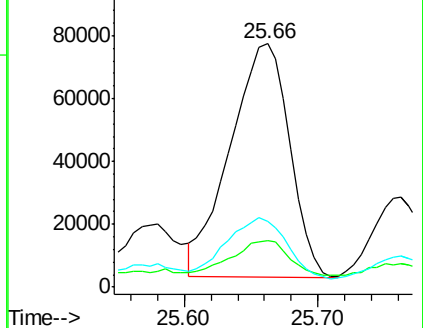
279 27.0 18.5 27.7

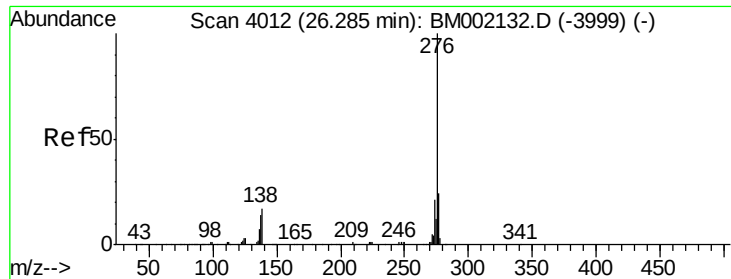


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 20.23 ng/ul

RT: 26.35 min Scan# 4023

Delta R.T. 0.07 min

Lab File: BM002136.D

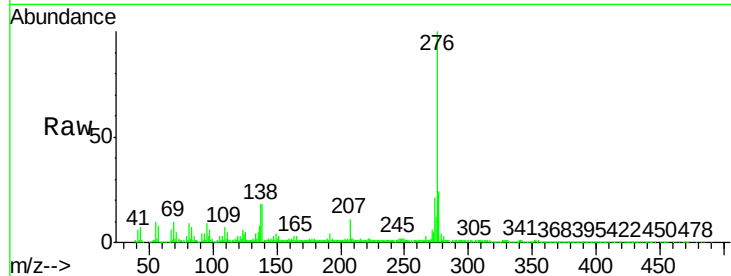
Acq: 30 Jul 2015 14:51

Instrument :

BNA_M

ClientSampleId :

C02K0RE



Tgt Ion: 276 Resp: 730821

Ion Ratio Lower Upper

276 100

138 17.7 13.8 20.6

277 24.0 18.2 27.2

