

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005242.D
 Acq On : 05 May 2016 19:39
 Operator : UM/SJ
 Sample : PB90285BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK85

Quant Time: May 06 04:19:50 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	96888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	476692	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	316556	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	784815	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	962228	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	926643	20.00	ng/ul	0.00

System Monitoring Compounds

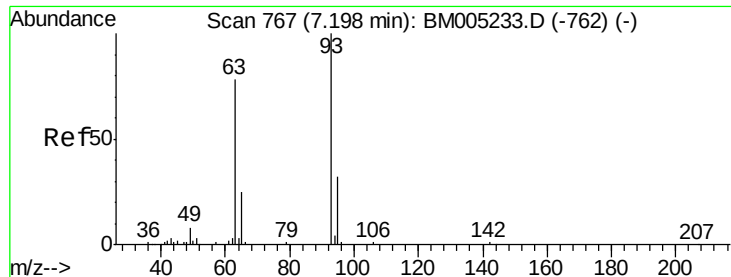
3) 1,4-Dioxane-d8	3.27	96	10000	4.85	ng/uL	0.00
5) Phenol-d5	6.95	99	202537	23.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	126999	25.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	161308	24.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	172652	23.77	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	85452	25.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	100955	26.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	167194	23.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	262259	30.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	653455	25.75	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	746372	25.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	104334	22.53	ng/ul	0.00
57) Fluorene-d10	15.41	176	555323	25.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	100964	22.87	ng/ul	0.00
70) Anthracene-d10	17.26	188	903218	26.04	ng/ul	0.00
76) Pyrene-d10	19.56	212	1073268	24.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	1070928	26.11	ng/ul	0.00

Target Compounds

						Qvalue
8) Bis(2-Chloroethyl)ether	7.20	93	489	0.07	ng/ul#	77
12) 2,2'-oxybis(1-Chloropropan	8.47	45	970	0.10	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.47	70	4051	0.72	ng/ul#	1
20) Nitrobenzene	8.93	77	368	0.04	ng/ul#	41
21) Isophorone	9.65	82	8460	0.51	ng/ul#	71
45) 2,6-Dinitrotoluene	13.83	165	4606	0.92	ng/ul#	41
58) Fluorene	15.41	166	1206	0.05	ng/ul#	9
63) 4,6-Dinitro-2-methylphenol	15.53	198	217	0.05	ng/ul#	1
64) N-Nitrosodiphenylamine	15.54	169	705	0.03	ng/ul#	13
77) Pyrene	19.56	202	1562	0.03	ng/ul#	1
80) Benzo(a)anthracene	21.36	228	3112	0.06	ng/ul#	60
81) Bis(2-ethylhexyl)phthalate	21.26	149	190	0.01	ng/ul#	52
82) Chrysene	21.39	228	386	0.01	ng/ul#	50
84) Di-n-octyl phthalate	22.16	149	248	0.00	ng/ul#	78
85) Benzo(b)fluoranthene	22.95	252	981	0.02	ng/ul#	60
86) Benzo(k)fluoranthene	23.00	252	1064	0.02	ng/ul#	60
88) Benzo(a)pyrene	23.53	252	1430	0.03	ng/ul#	64
89) Indeno(1,2,3-cd)pyrene	25.94	276	749	0.01	ng/ul#	49
90) Dibenzo(a,h)anthracene	25.94	278	964	0.02	ng/ul#	55
91) Benzo(g,h,i)perylene	26.64	276	451	0.01	ng/ul#	52

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

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Operator  : UM/SJ  
Sample    : PB90285BL  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
```



#8

Bis(2-Chloroethyl)ether

Concen: 0.07 ng/ul

RT: 7.20 min Scan# 767

Delta R.T. 0.00 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

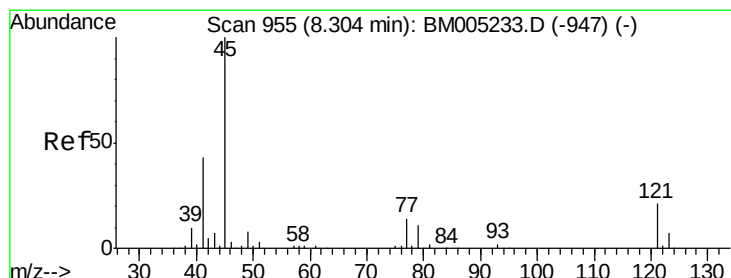
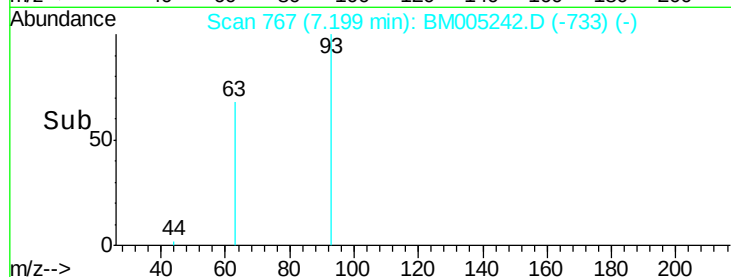
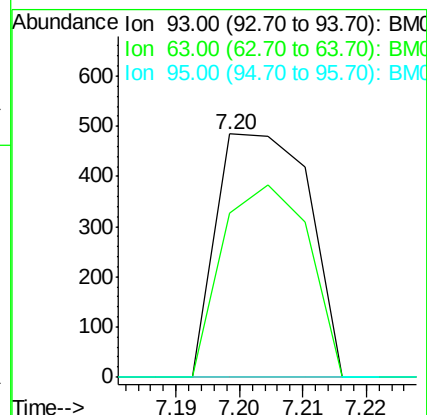
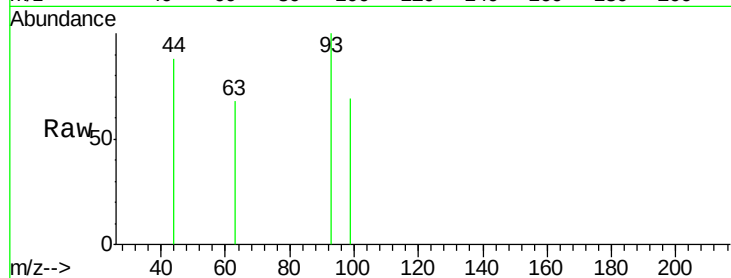
Tgt Ion: 93 Resp: 489

Ion Ratio Lower Upper

93 100

63 67.6 60.6 90.8

95 0.0 24.2 36.4#



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.10 ng/ul

RT: 8.47 min Scan# 984

Delta R.T. 0.17 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

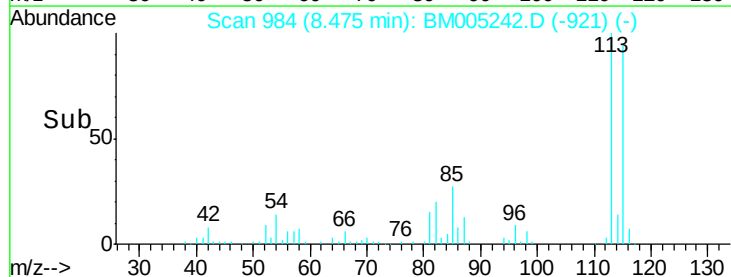
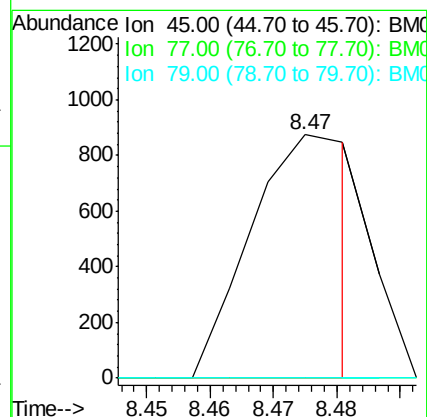
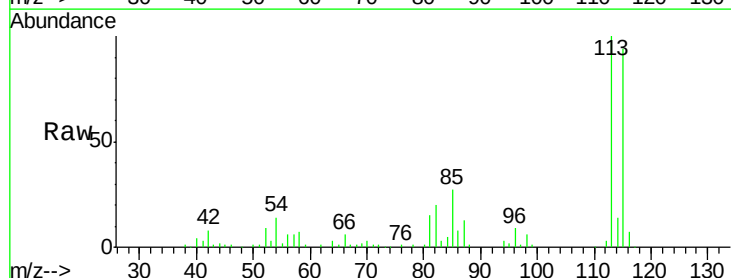
Tgt Ion: 45 Resp: 970

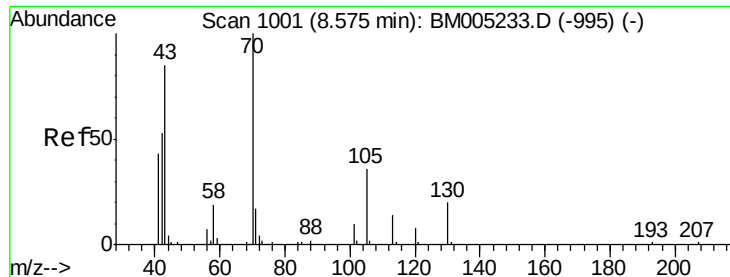
Ion Ratio Lower Upper

45 100

77 0.0 12.1 18.1#

79 0.0 9.0 13.4#

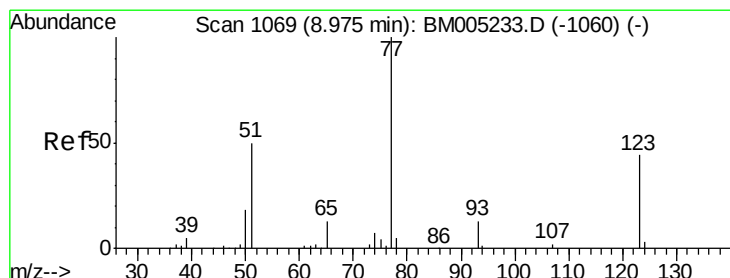
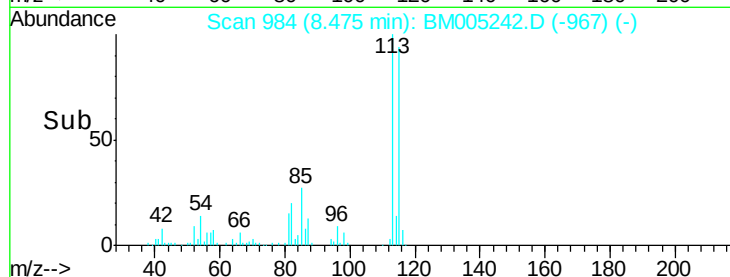
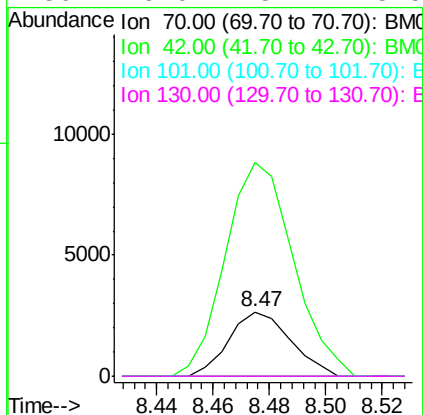
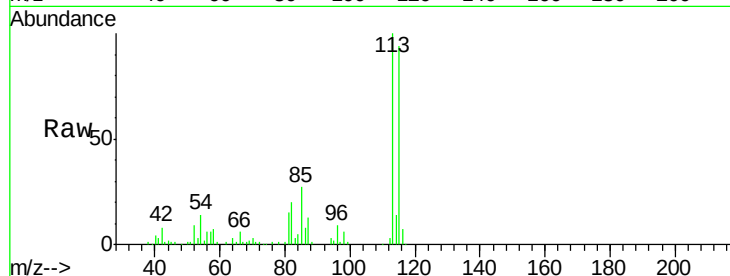




#15
N-Nitroso-di-n-propylamine
Concen: 0.72 ng/ul
RT: 8.47 min Scan# 984
Delta R.T. -0.10 min
Lab File: BM005242.D
Acq: 05 May 2016 19:39

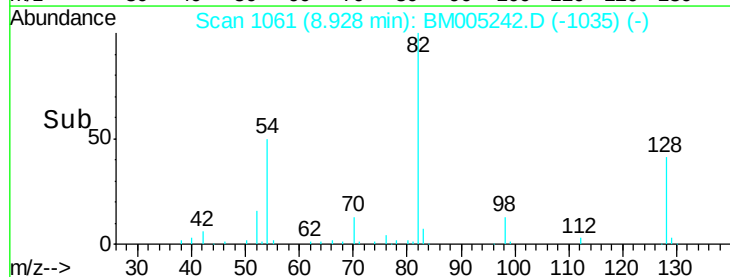
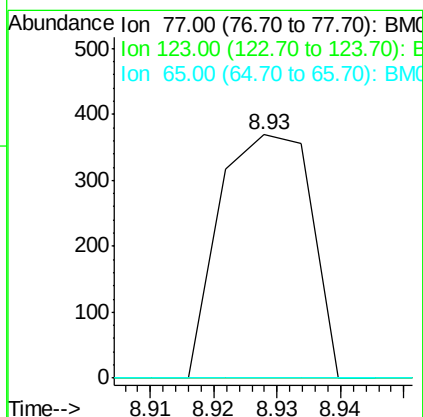
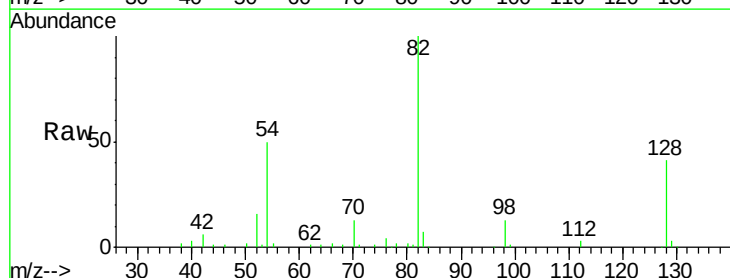
Instrument :
BNA_M
ClientSampleId :
SBLK85

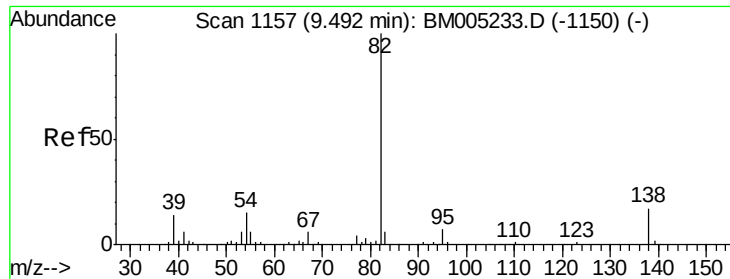
Tgt Ion: 70 Resp: 4051
Ion Ratio Lower Upper
70 100
42 332.0 42.8 64.2#
101 0.0 7.8 11.6#
130 0.0 15.7 23.5#



#20
Nitrobenzene
Concen: 0.04 ng/ul
RT: 8.93 min Scan# 1061
Delta R.T. -0.05 min
Lab File: BM005242.D
Acq: 05 May 2016 19:39

Tgt Ion: 77 Resp: 368
Ion Ratio Lower Upper
77 100
123 0.0 34.1 51.1#
65 0.0 11.0 16.4#





#21

Isophorone

Concen: 0.51 ng/ul

RT: 9.65 min Scan# 1184

Delta R.T. 0.16 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

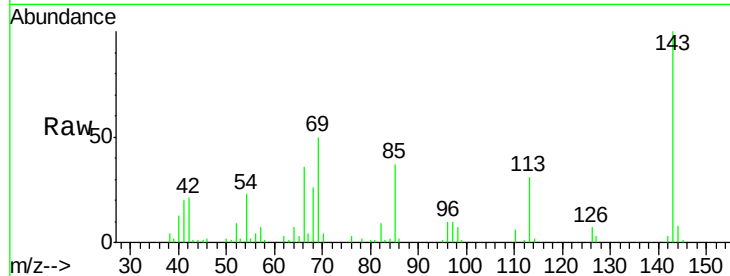
Tgt Ion: 82 Resp: 8460

Ion Ratio Lower Upper

82 100

95 8.6 5.4 8.0#

138 0.0 13.4 20.2#

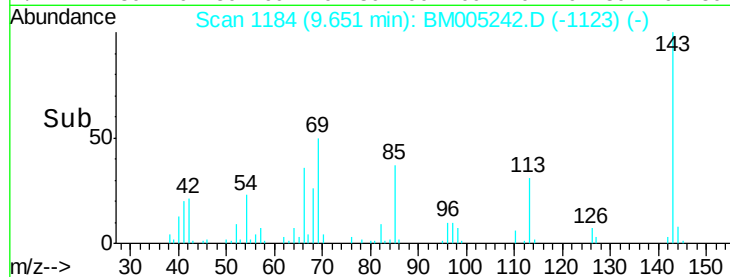


Abundance Ion 82.00 (81.70 to 82.70): BM005233.D (-1150) (-)

Ion 95.00 (94.70 to 95.70): BM005233.D (-1150) (-)

Ion 138.00 (137.70 to 138.70): BM005233.D (-1150) (-)

Time-->



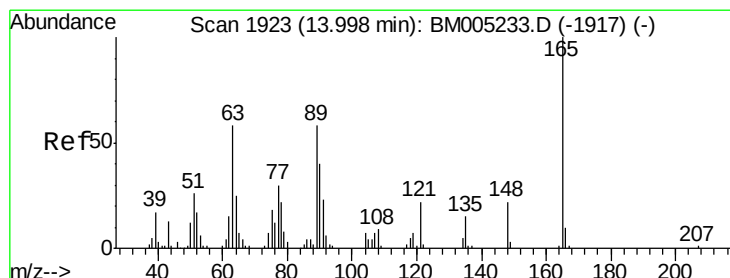
Abundance

Ion 82.00 (81.70 to 82.70): BM005233.D (-1150) (-)

Ion 95.00 (94.70 to 95.70): BM005233.D (-1150) (-)

Ion 138.00 (137.70 to 138.70): BM005233.D (-1150) (-)

Time-->



#45

2,6-Dinitrotoluene

Concen: 0.92 ng/ul

RT: 13.83 min Scan# 1894

Delta R.T. -0.17 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

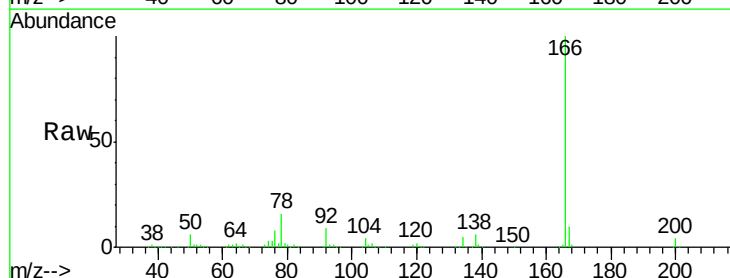
Tgt Ion: 165 Resp: 4606

Ion Ratio Lower Upper

165 100

89 0.0 52.2 78.4#

121 26.5 21.0 31.4

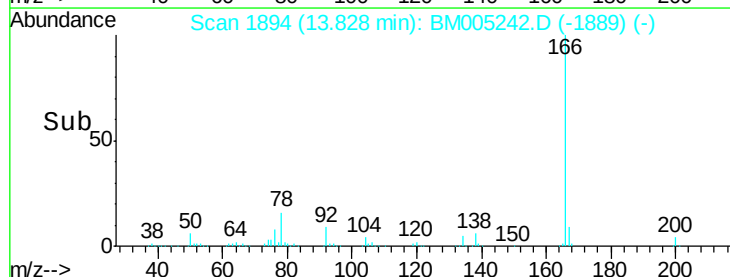


Abundance Ion 165.00 (164.70 to 165.70): BM005233.D (-1917) (-)

Ion 89.00 (88.70 to 89.70): BM005233.D (-1917) (-)

Ion 121.00 (120.70 to 121.70): BM005233.D (-1917) (-)

Time-->



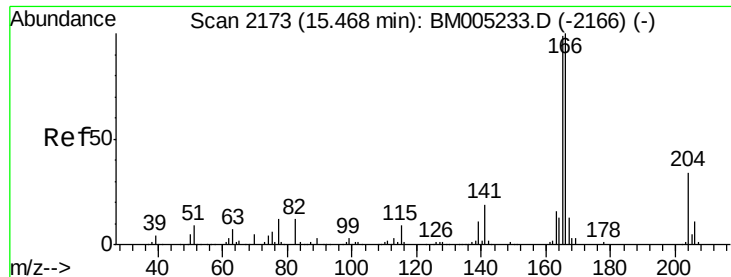
Abundance

Ion 165.00 (164.70 to 165.70): BM005233.D (-1917) (-)

Ion 89.00 (88.70 to 89.70): BM005233.D (-1917) (-)

Ion 121.00 (120.70 to 121.70): BM005233.D (-1917) (-)

Time-->



#58

Fluorene

Concen: 0.05 ng/ul

RT: 15.41 min Scan# 2163

Delta R.T. -0.06 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

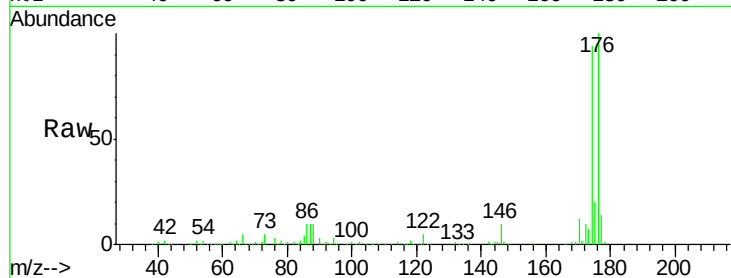
Tgt Ion:166 Resp: 1206

Ion Ratio Lower Upper

166 100

165 0.0 77.9 116.9#

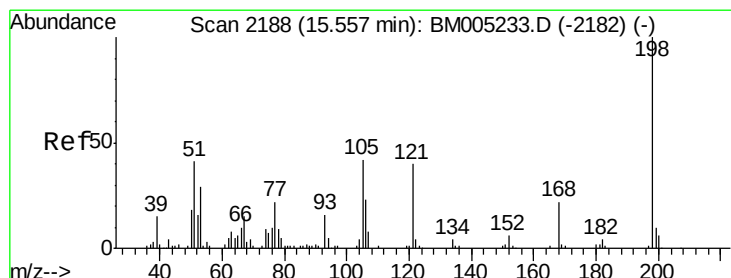
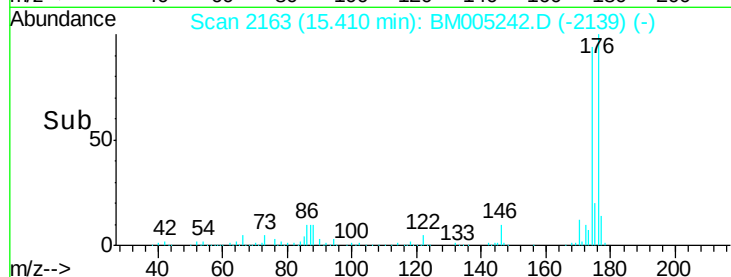
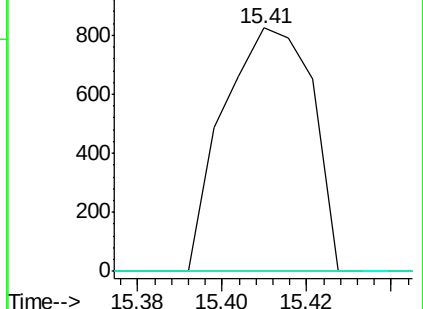
167 0.0 10.6 16.0#



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



#63

4,6-Dinitro-2-methylphenol

Concen: 0.05 ng/ul

RT: 15.53 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

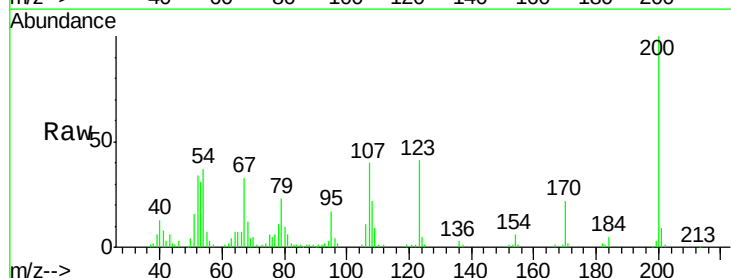
Tgt Ion:198 Resp: 217

Ion Ratio Lower Upper

198 100

182 441.3 5.5 8.3#

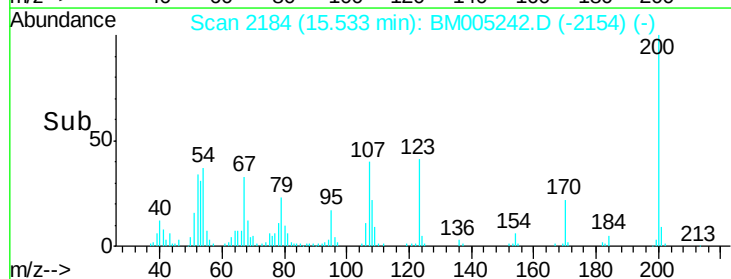
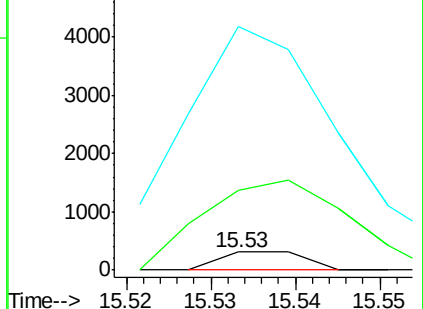
77 1349.7 24.2 36.2#

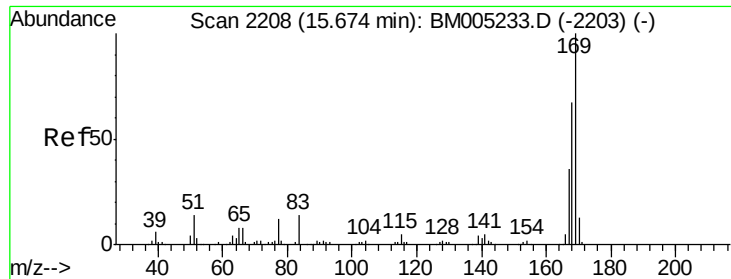


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM





#64

N-Nitrosodiphenylamine

Concen: 0.03 ng/ul

RT: 15.54 min Scan# 2185

Delta R.T. -0.14 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

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SBLK85

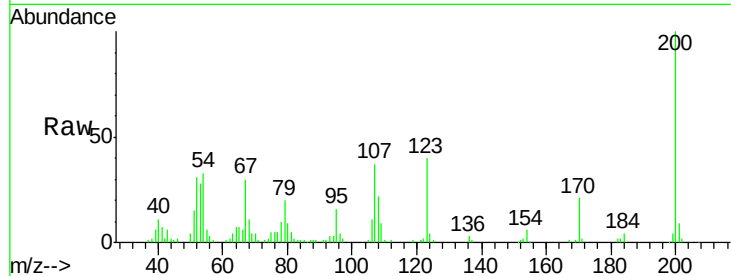
Tgt Ion:169 Resp: 705

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

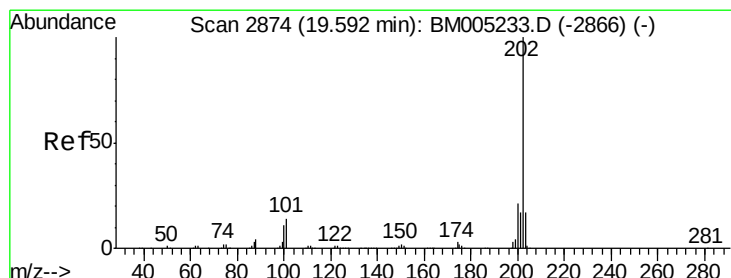
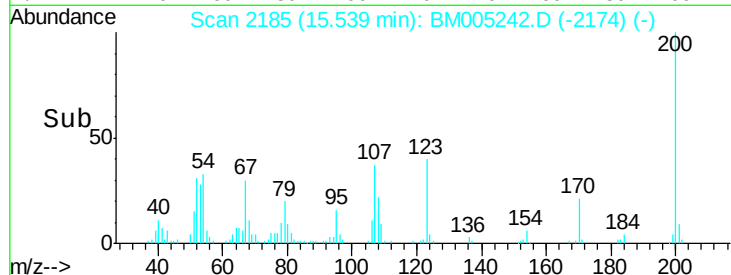
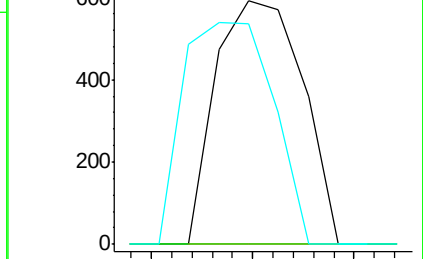
167 90.4 28.2 42.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#77

Pyrene

Concen: 0.03 ng/ul

RT: 19.56 min Scan# 2868

Delta R.T. -0.04 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

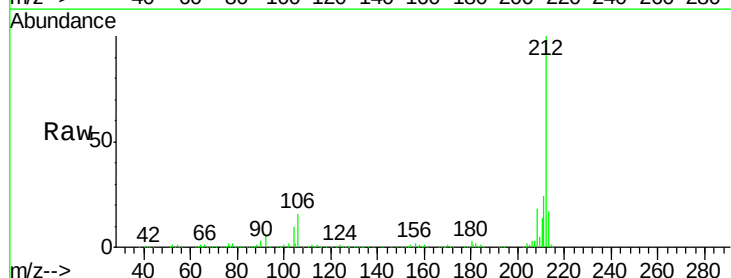
Tgt Ion:202 Resp: 1562

Ion Ratio Lower Upper

202 100

101 142.8 10.8 16.2#

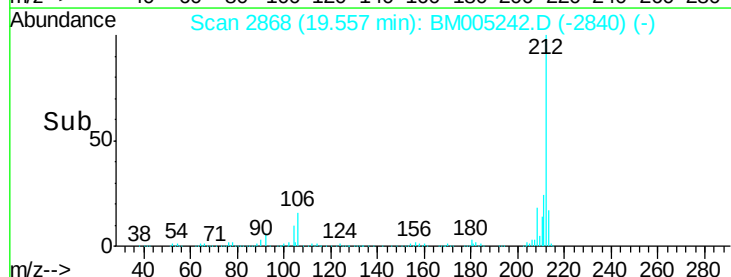
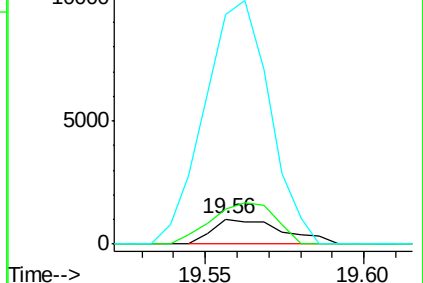
100 922.5 8.4 12.6#

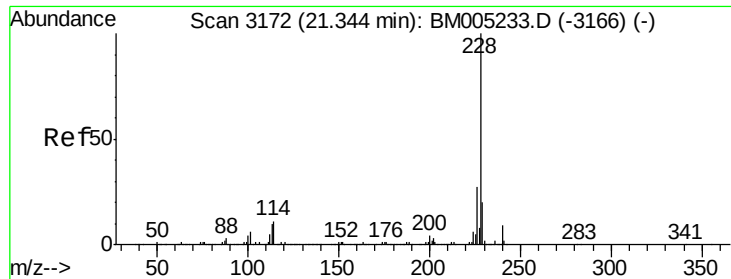


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.36 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM005242.D

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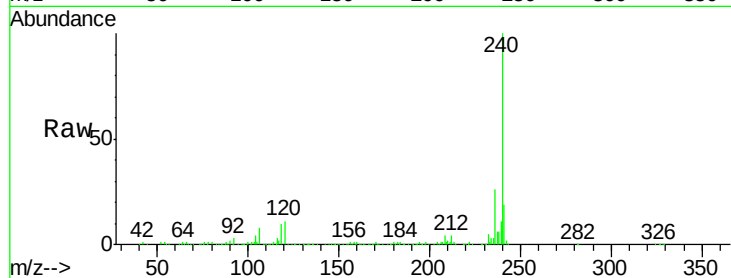
Tgt Ion:228 Resp: 3112

Ion Ratio Lower Upper

228 100

229 30.0 15.5 23.3#

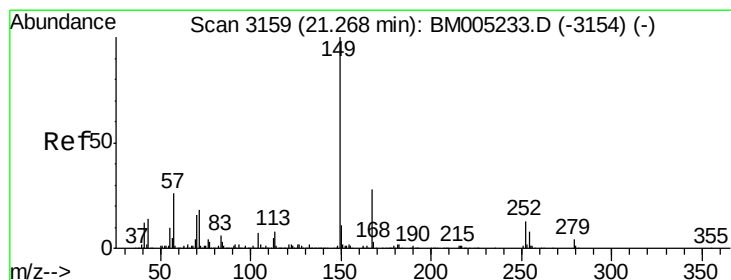
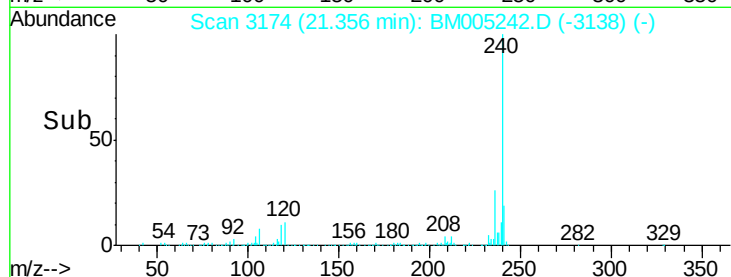
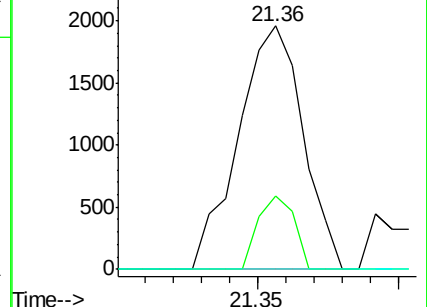
226 0.0 21.8 32.8#



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng/ul

RT: 21.26 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

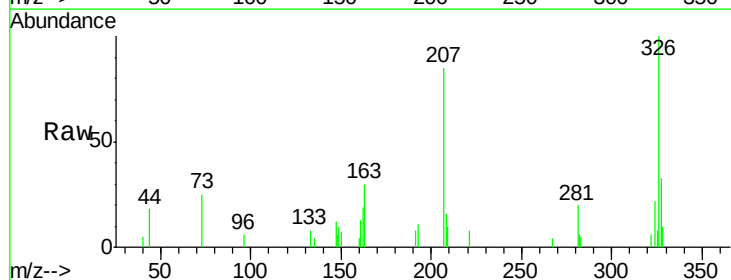
Tgt Ion:149 Resp: 190

Ion Ratio Lower Upper

149 100

167 0.0 21.9 32.9#

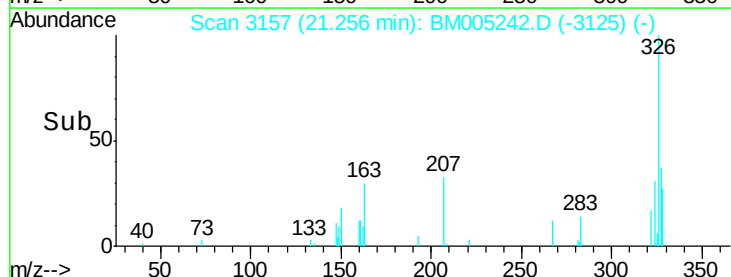
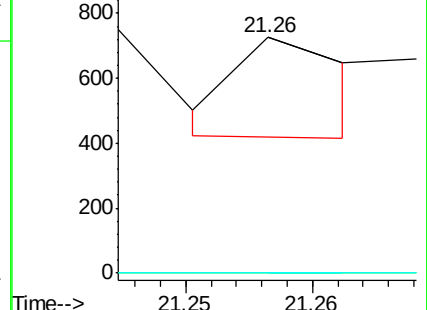
279 0.0 3.0 4.4#

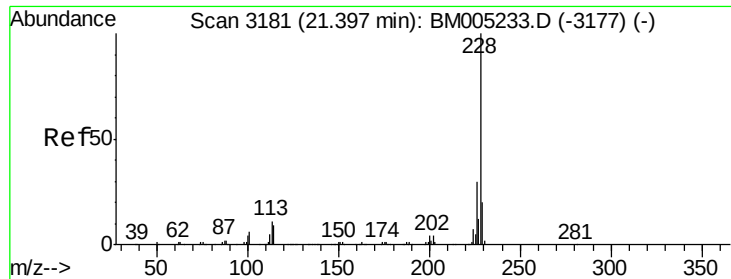


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

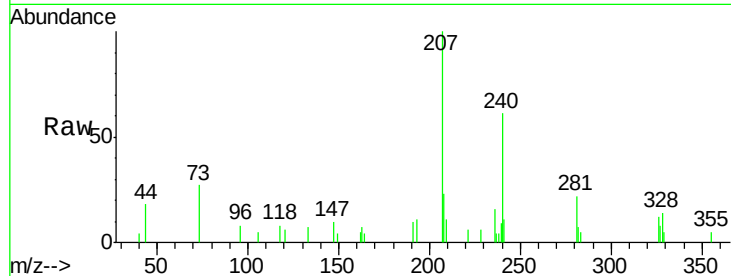
Tgt Ion:228 Resp: 386

Ion Ratio Lower Upper

228 100

226 0.0 23.6 35.4#

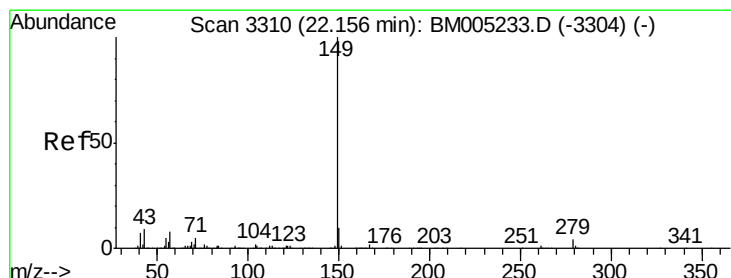
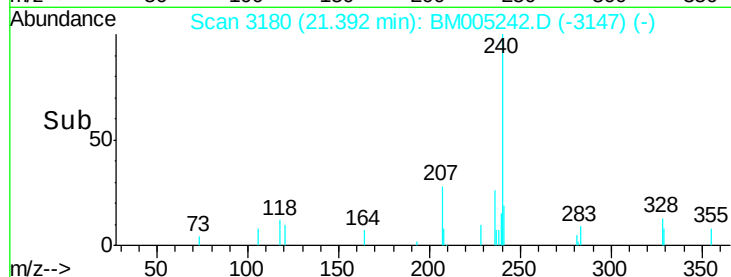
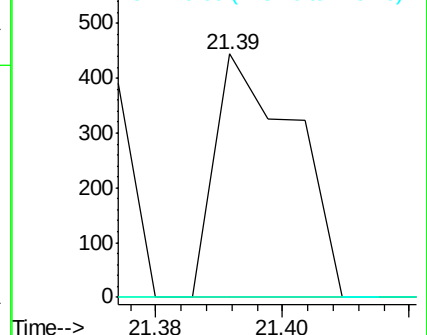
229 0.0 15.4 23.0#



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



#84

Di-n-octyl phthalate

Concen: 0.00 ng/ul

RT: 22.16 min Scan# 3310

Delta R.T. 0.00 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

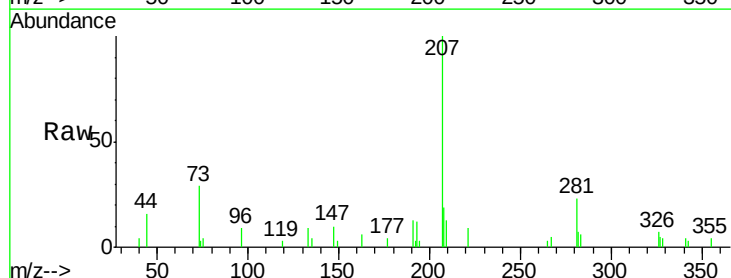
Tgt Ion:149 Resp: 248

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

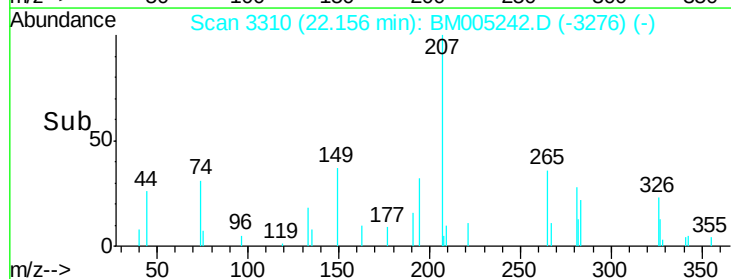
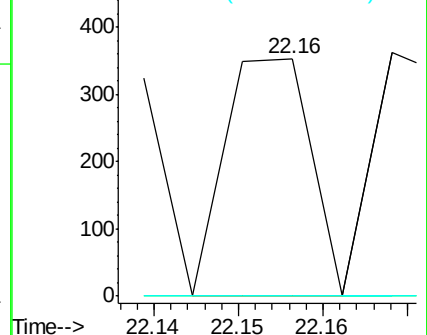
43 0.0 7.4 11.0#

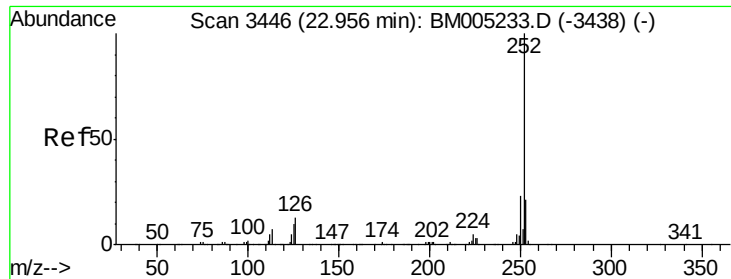


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#85

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.95 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

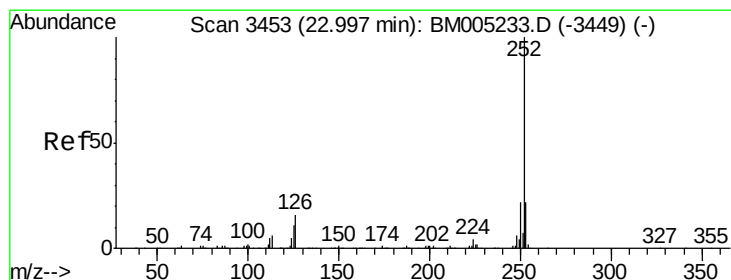
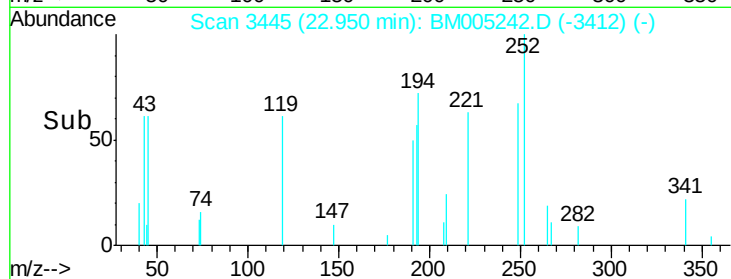
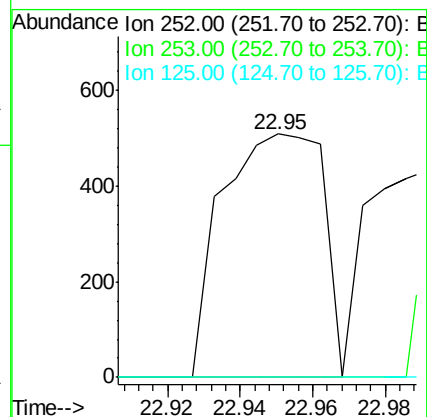
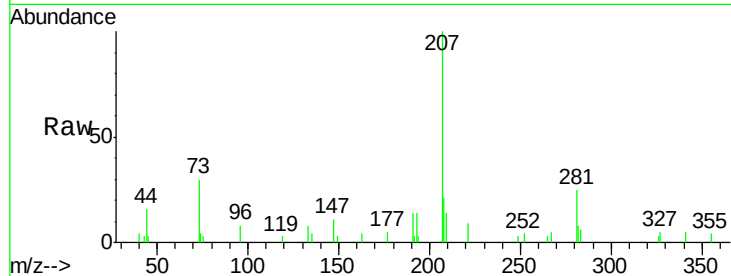
Instrument :

BNA_M

ClientSampleId :

SBLK85

Tgt Ion:	252	Resp:	981
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.4	26.2#
125	0.0	8.4	12.6#



#86

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

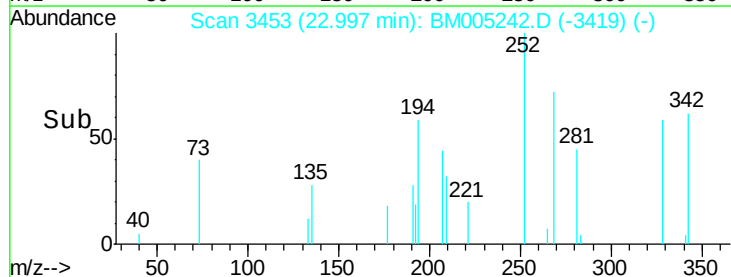
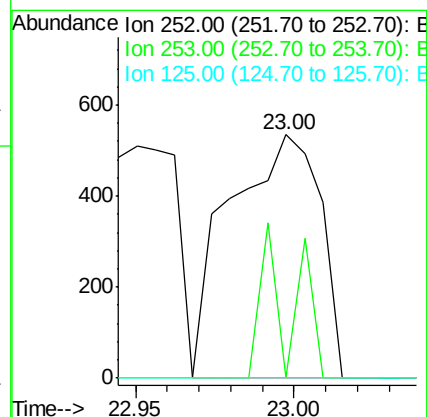
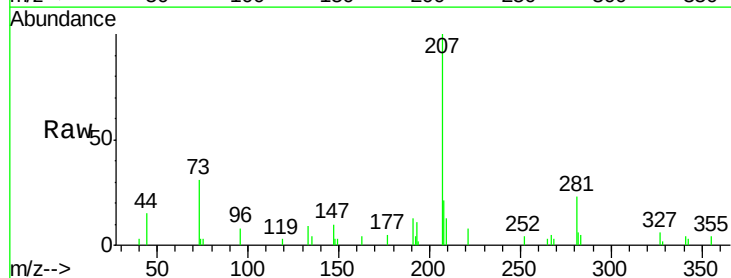
RT: 23.00 min Scan# 3453

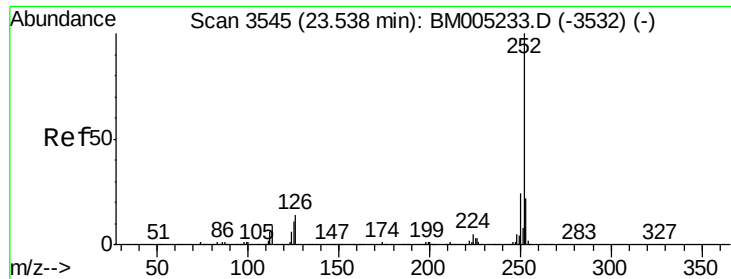
Delta R.T. 0.00 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Tgt Ion:	252	Resp:	1064
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.3	25.9#
125	0.0	8.0	12.0#





#88

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.53 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

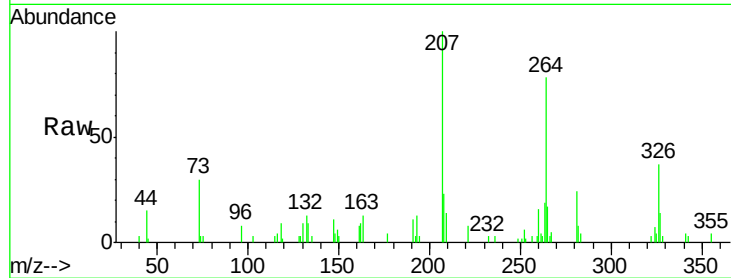
Tgt Ion:252 Resp: 1430

Ion Ratio Lower Upper

252 100

253 40.7 17.5 26.3#

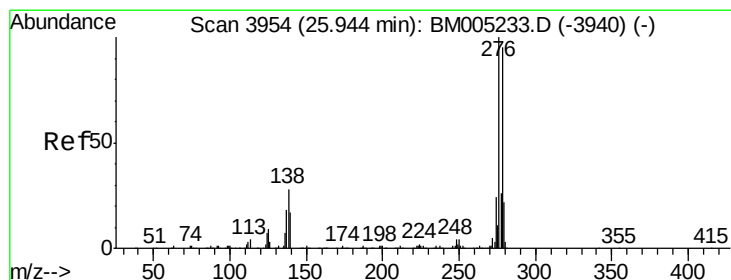
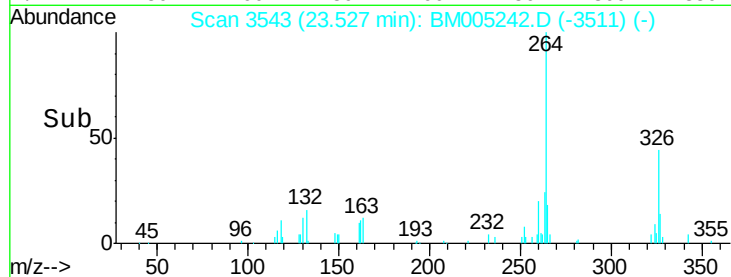
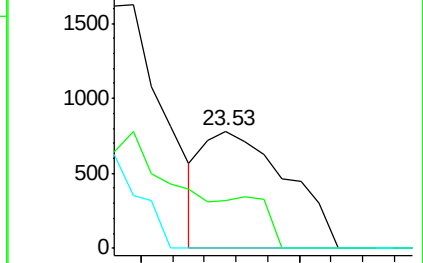
125 0.0 8.7 13.1#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.94 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

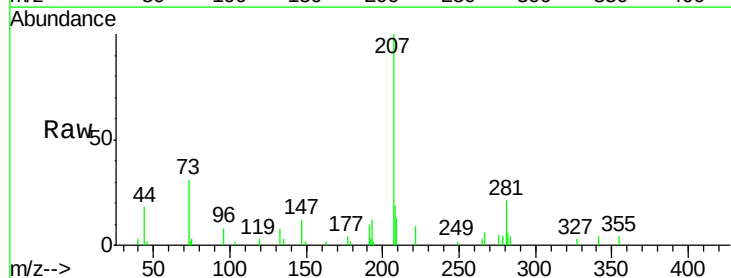
Tgt Ion:276 Resp: 749

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.6#

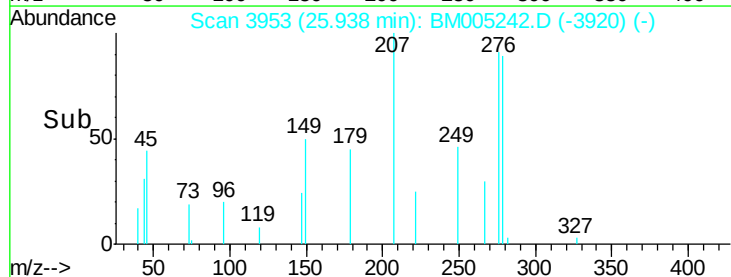
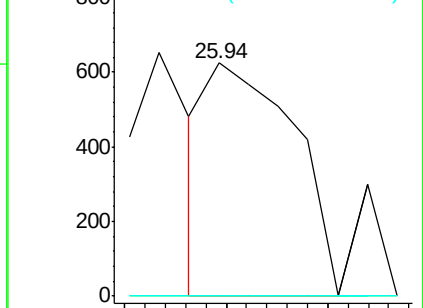
277 0.0 19.9 29.9#

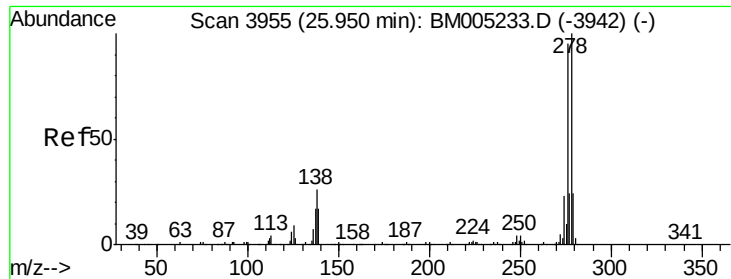


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.94 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

Instrument :

BNA_M

ClientSampleId :

SBLK85

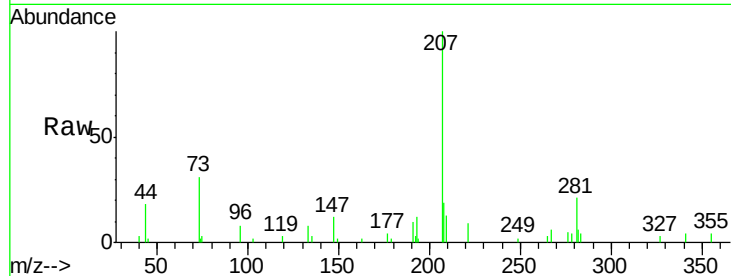
Tgt Ion: 278 Resp: 964

Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.6#

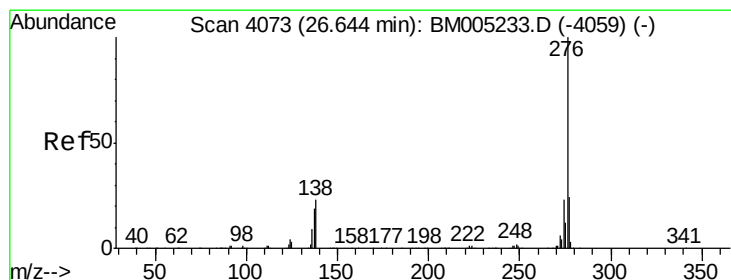
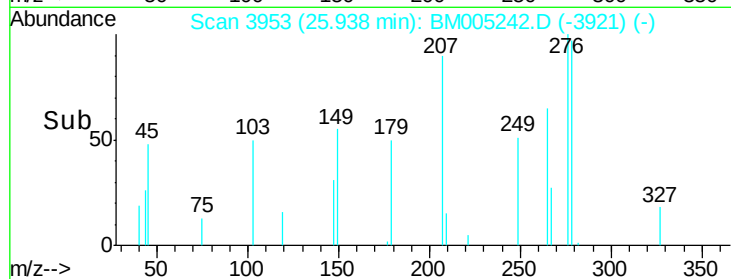
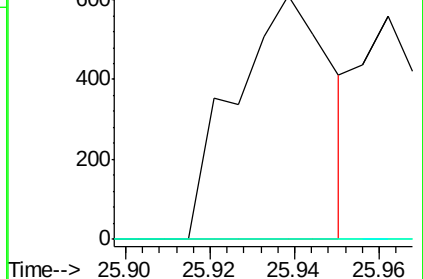
279 0.0 18.9 28.3#



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



#91

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.64 min Scan# 4073

Delta R.T. 0.00 min

Lab File: BM005242.D

Acq: 05 May 2016 19:39

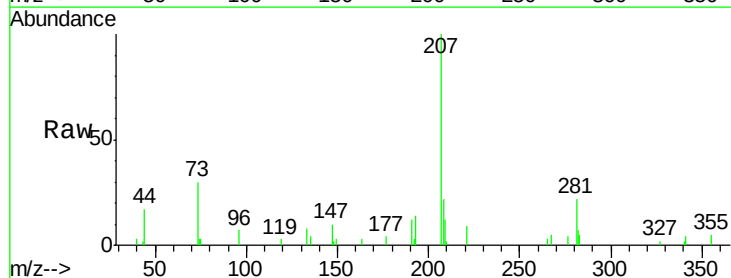
Tgt Ion: 276 Resp: 451

Ion Ratio Lower Upper

276 100

138 0.0 18.2 27.4#

277 0.0 19.4 29.2#



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

