

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
 Data File : BM005241.D
 Acq On : 05 May 2016 19:02
 Operator : UM/SJ
 Sample : PB90263BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK63

Quant Time: May 06 04:19:35 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	55359	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	289205	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	193721	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	482805	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	584291	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	547674	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	8526	7.24	ng/uL	0.00
5) Phenol-d5	6.95	99	168994	33.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	105148	36.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	134326	35.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	144608	34.85	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	71454	34.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	82235	35.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	140334	32.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	219405	41.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	541870	34.90	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	621011	34.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	84101	29.67	ng/ul	0.00
57) Fluorene-d10	15.41	176	462085	34.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	79383	29.23	ng/ul	0.00
70) Anthracene-d10	17.26	188	750613	35.17	ng/ul	0.00
76) Pyrene-d10	19.56	212	899642	33.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	883558	36.45	ng/ul	0.00

Target Compounds

						Qvalue
8) Bis(2-Chloroethyl)ether	7.20	93	359	0.09	ng/ul#	21
12) 2,2'-oxybis(1-Chloropropan	8.47	45	734	0.14	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.47	70	3393	1.06	ng/ul#	1
21) Isophorone	9.65	82	6606	0.66	ng/ul#	71
28) Naphthalene	10.61	128	630	0.04	ng/ul#	69
45) 2,6-Dinitrotoluene	13.83	165	3368	1.10	ng/ul#	40
58) Fluorene	15.41	166	1100	0.08	ng/ul#	9
64) N-Nitrosodiphenylamine	15.54	169	602	0.05	ng/ul#	25
69) Phenanthrene	17.20	178	255	0.01	ng/ul#	60
71) Anthracene	17.20	178	255	0.01	ng/ul#	60
73) Di-n-butylphthalate	18.13	149	435	0.02	ng/ul#	78
74) Fluoranthene	19.23	202	379	0.01	ng/ul#	72
77) Pyrene	19.56	202	1264	0.04	ng/ul#	1
78) Butylbenzylphthalate	20.49	149	63	0.00	ng/ul#	22
80) Benzo(a)anthracene	21.36	228	3037	0.09	ng/ul#	60
81) Bis(2-ethylhexyl)phthalate	21.27	149	494	0.03	ng/ul#	52
82) Chrysene	21.40	228	941	0.03	ng/ul#	50
84) Di-n-octyl phthalate	22.14	149	1213	0.04	ng/ul#	78
85) Benzo(b)fluoranthene	22.95	252	912	0.03	ng/ul#	68
86) Benzo(k)fluoranthene	23.00	252	968	0.03	ng/ul#	60
88) Benzo(a)pyrene	23.53	252	2305	0.08	ng/ul#	66
89) Indeno(1,2,3-cd)pyrene	25.93	276	3521	0.11	ng/ul#	76
90) Dibenzo(a,h)anthracene	25.94	278	2334	0.08	ng/ul#	55

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005241.D
Acq On : 05 May 2016 19:02
Operator : UM/SJ
Sample : PB90263BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SBLK63

Quant Time: May 06 04:19:35 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

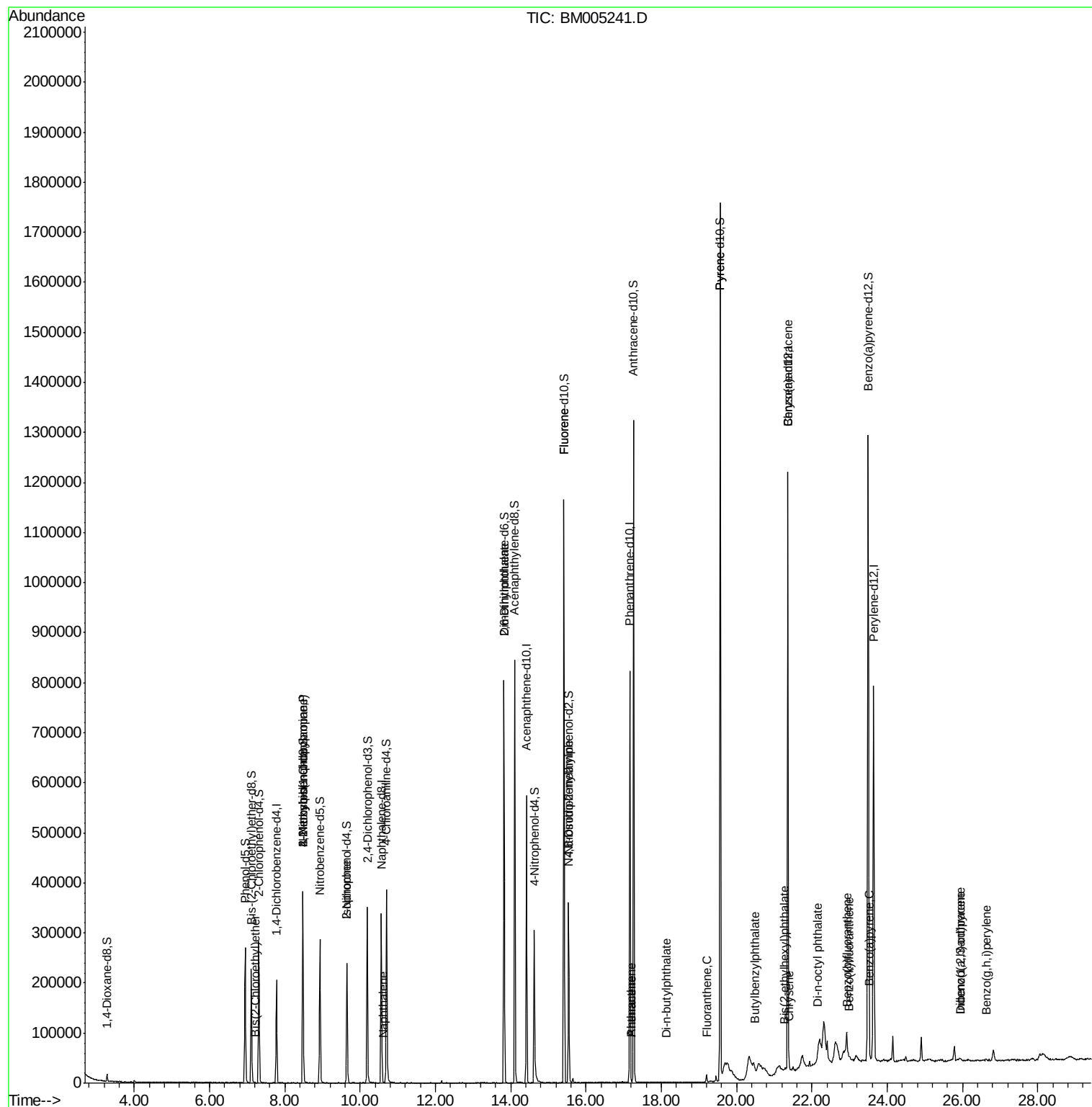
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.63	276	1390	0.05	ng/ul#	52

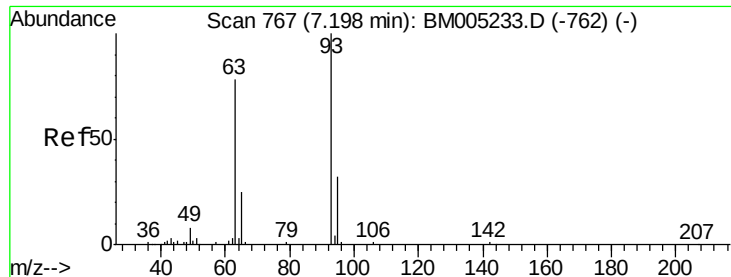
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005241.D
Acq On : 05 May 2016 19:02
Operator : UM/SJ
Sample : PB90263BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SBLK63

Quant Time: May 06 04:19:35 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





#8

Bis(2-Chloroethyl)ether

Concen: 0.09 ng/ul

RT: 7.20 min Scan# 767

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

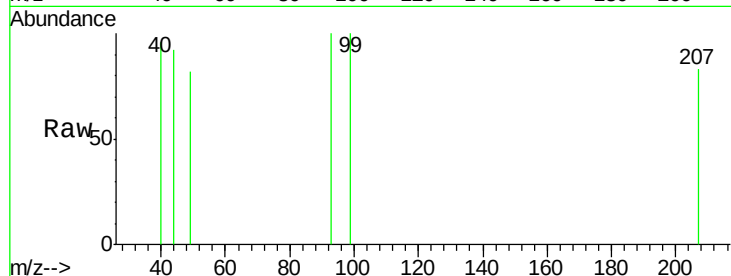
Tgt Ion: 93 Resp: 359

Ion Ratio Lower Upper

93 100

63 0.0 60.6 90.8#

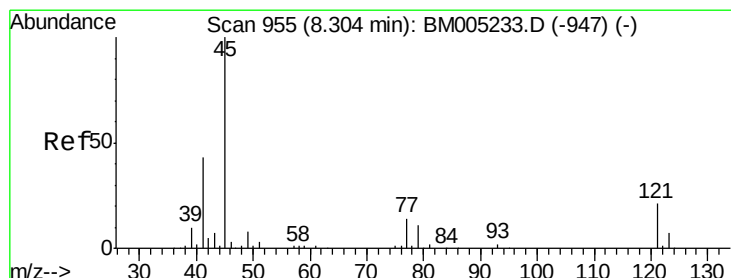
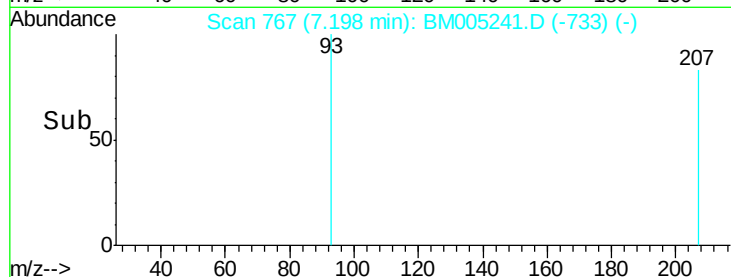
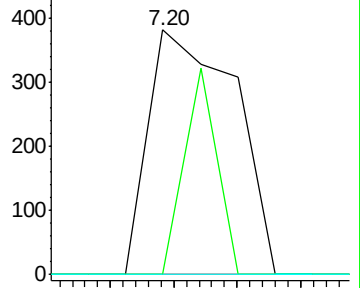
95 0.0 24.2 36.4#



Abundance Ion 93.00 (92.70 to 93.70): BM005241.D (-733) (-)

Ion 63.00 (62.70 to 63.70): BM005241.D (-733) (-)

Ion 95.00 (94.70 to 95.70): BM005241.D (-733) (-)



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.14 ng/ul

RT: 8.47 min Scan# 984

Delta R.T. 0.17 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

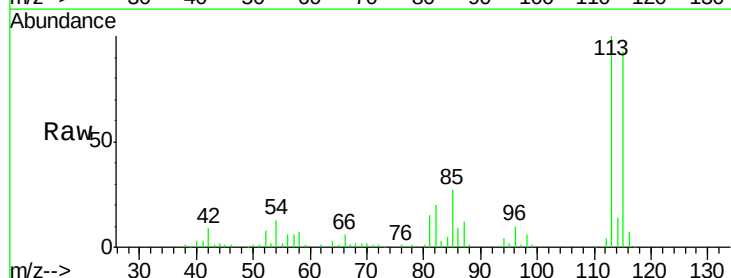
Tgt Ion: 45 Resp: 734

Ion Ratio Lower Upper

45 100

77 0.0 12.1 18.1#

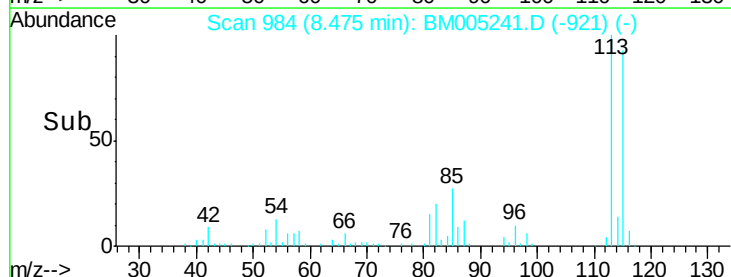
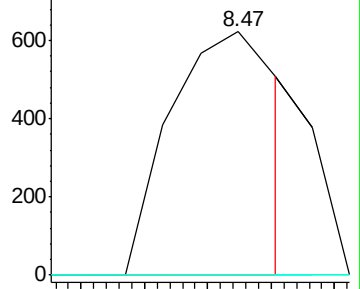
79 0.0 9.0 13.4#

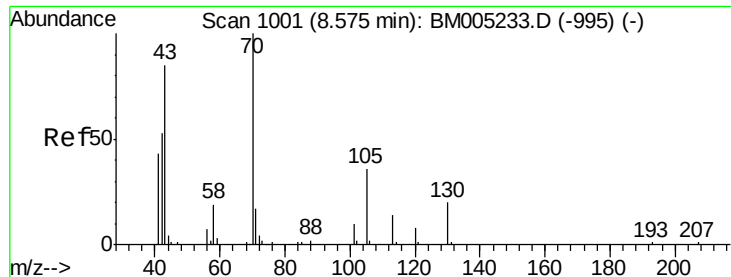


Abundance Ion 45.00 (44.70 to 45.70): BM005241.D (-921) (-)

Ion 77.00 (76.70 to 77.70): BM005241.D (-921) (-)

Ion 79.00 (78.70 to 79.70): BM005241.D (-921) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 1.06 ng/ul

RT: 8.47 min Scan# 984

Delta R.T. -0.10 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

Tgt Ion: 70 Resp: 3393

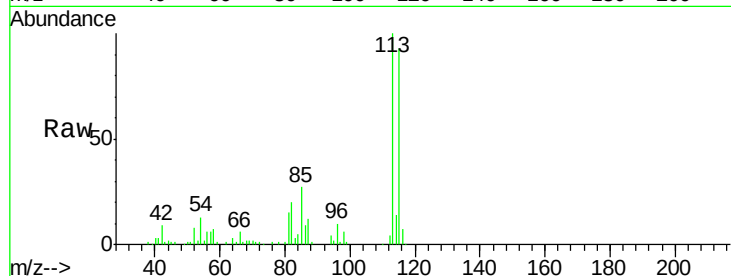
Ion Ratio Lower Upper

70 100

42 363.4 42.8 64.2#

101 0.0 7.8 11.6#

130 0.0 15.7 23.5#

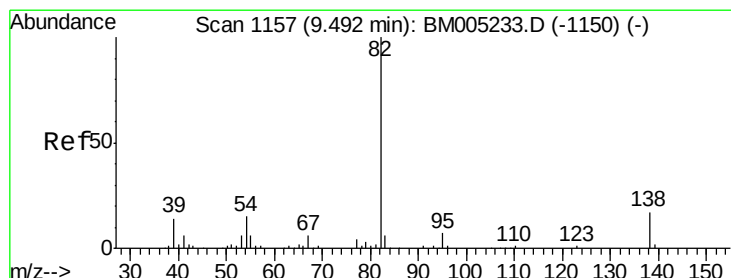
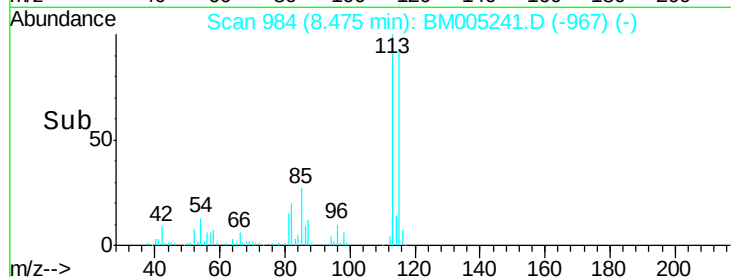
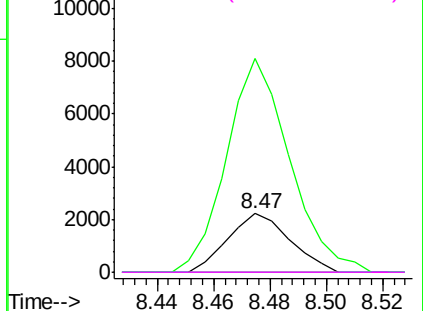


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Isophorone

Concen: 0.66 ng/ul

RT: 9.65 min Scan# 1183

Delta R.T. 0.15 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

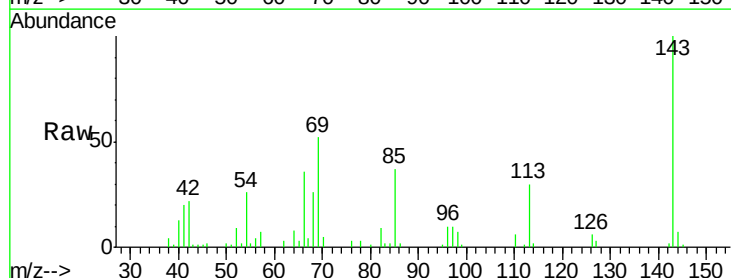
Tgt Ion: 82 Resp: 6606

Ion Ratio Lower Upper

82 100

95 8.0 5.4 8.0#

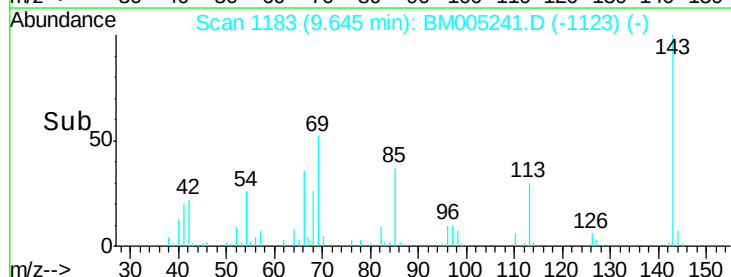
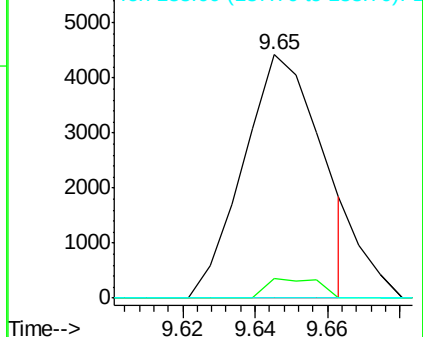
138 0.0 13.4 20.2#

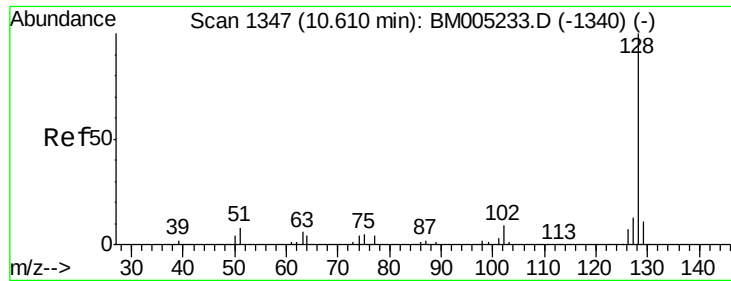


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

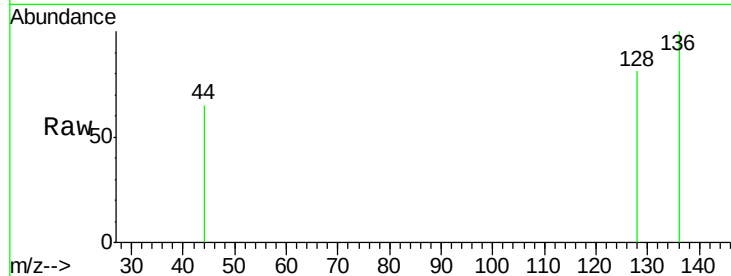




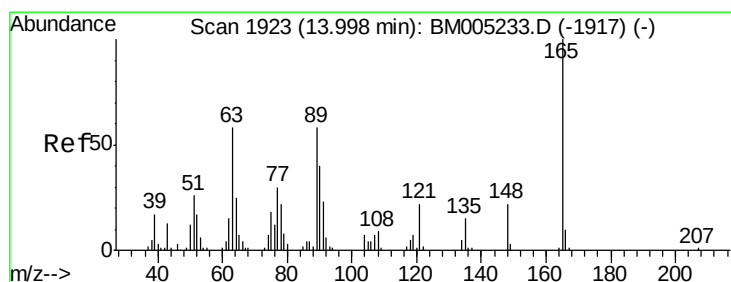
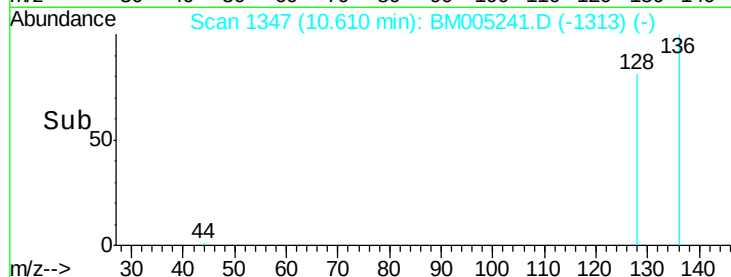
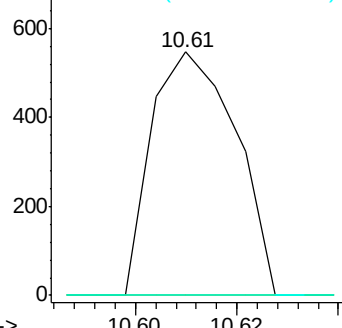
#28
Naphthalene
Concen: 0.04 ng/ul
RT: 10.61 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BM005241.D
Acq: 05 May 2016 19:02

Instrument :
BNA_M
ClientSampleId :
SBLK63

Tgt Ion:128 Resp: 630
Ion Ratio Lower Upper
128 100
129 0.0 8.4 12.6#
127 0.0 10.8 16.2#

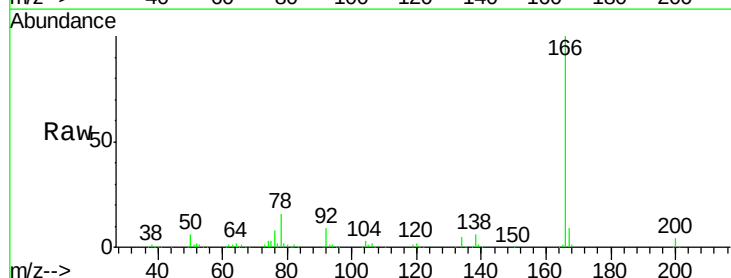


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

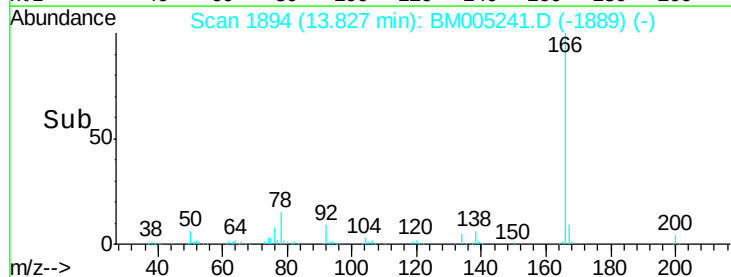
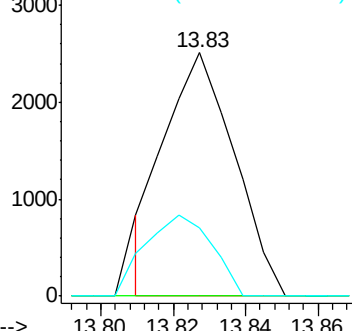


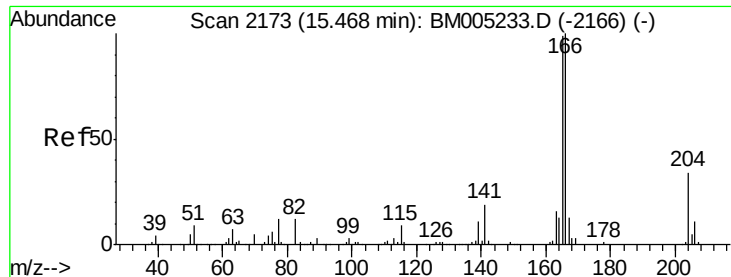
#45
2,6-Dinitrotoluene
Concen: 1.10 ng/ul
RT: 13.83 min Scan# 1894
Delta R.T. -0.17 min
Lab File: BM005241.D
Acq: 05 May 2016 19:02

Tgt Ion:165 Resp: 3368
Ion Ratio Lower Upper
165 100
89 0.0 52.2 78.4#
121 28.2 21.0 31.4



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM0
Ion 121.00 (120.70 to 121.70): E





#58

Fluorene

Concen: 0.08 ng/ul

RT: 15.41 min Scan# 2163

Delta R.T. -0.06 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

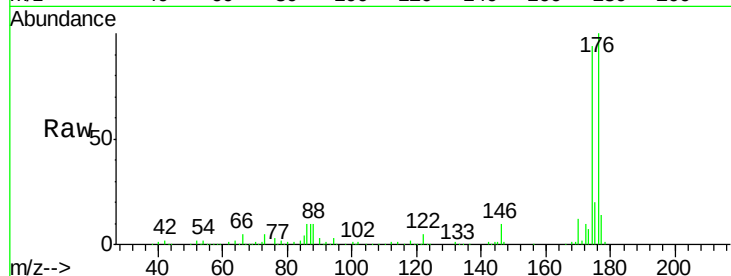
Tgt Ion:166 Resp: 1100

Ion Ratio Lower Upper

166 100

165 0.0 77.9 116.9#

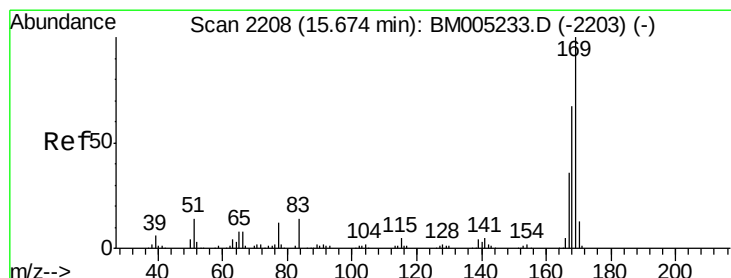
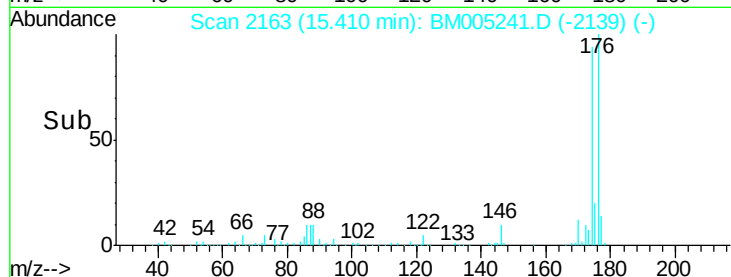
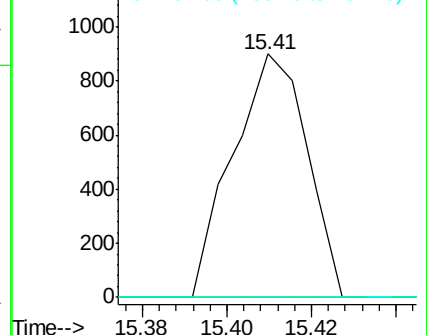
167 0.0 10.6 16.0#



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



#64

N-Nitrosodiphenylamine

Concen: 0.05 ng/ul

RT: 15.54 min Scan# 2186

Delta R.T. -0.13 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

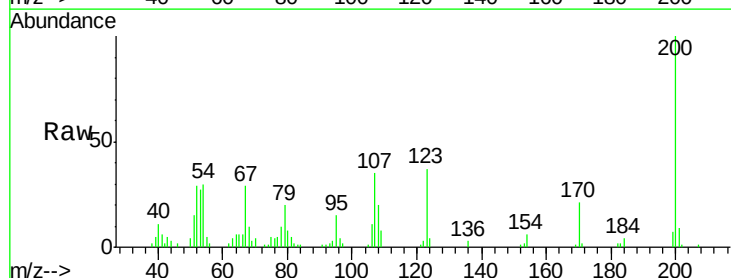
Tgt Ion:169 Resp: 602

Ion Ratio Lower Upper

169 100

168 0.0 52.9 79.3#

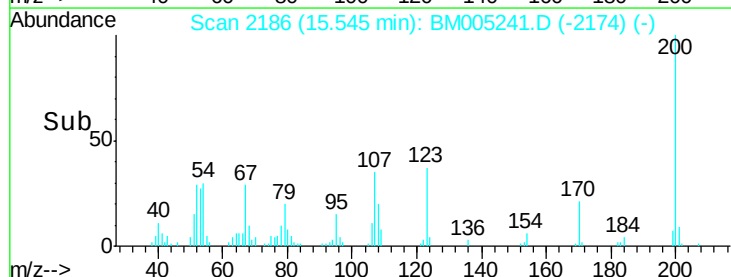
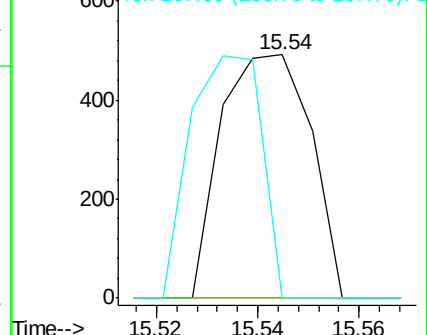
167 0.0 28.2 42.4#

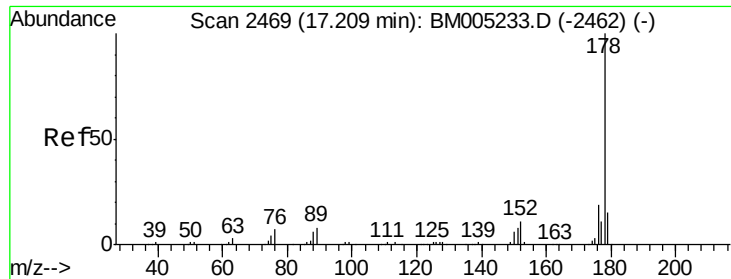


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

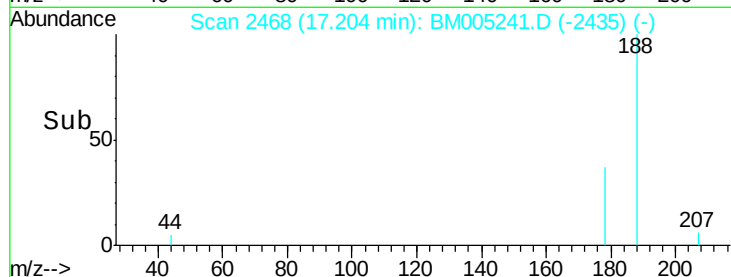
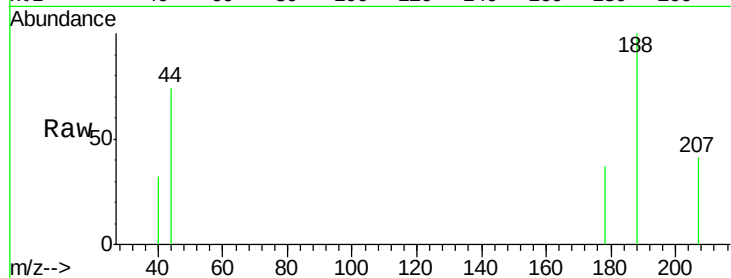
Tgt Ion:178 Resp: 255

Ion Ratio Lower Upper

178 100

179 0.0 12.3 18.5#

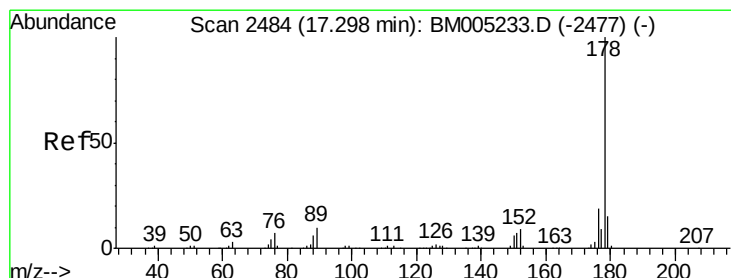
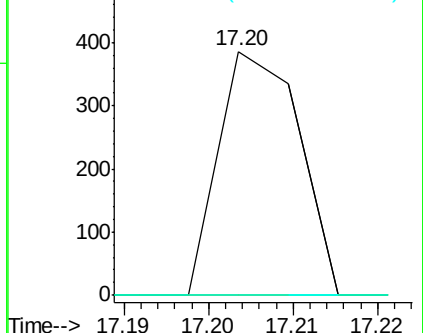
176 0.0 15.2 22.8#



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: 0.01 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. -0.09 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

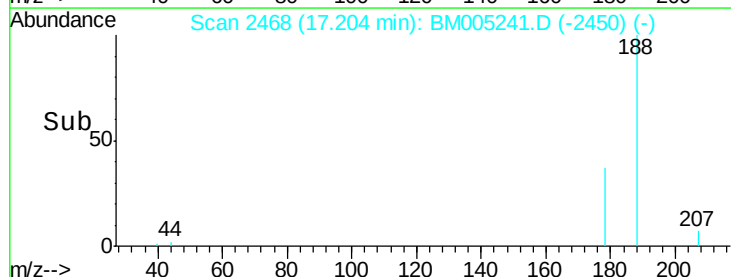
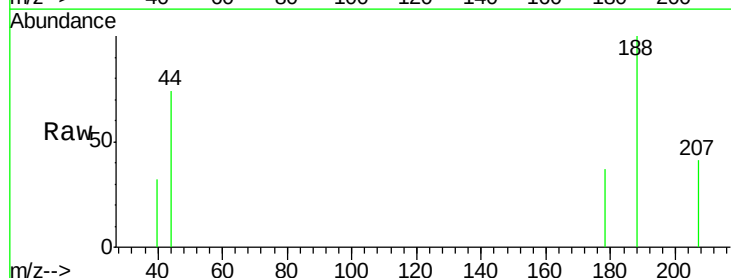
Tgt Ion:178 Resp: 255

Ion Ratio Lower Upper

178 100

179 0.0 12.4 18.6#

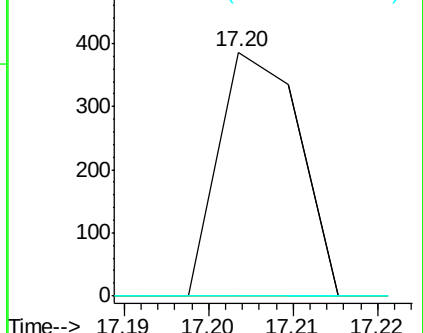
176 0.0 15.1 22.7#

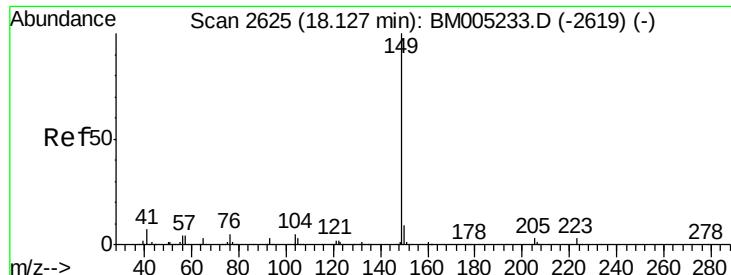


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 0.02 ng/ul

RT: 18.13 min Scan# 2625

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

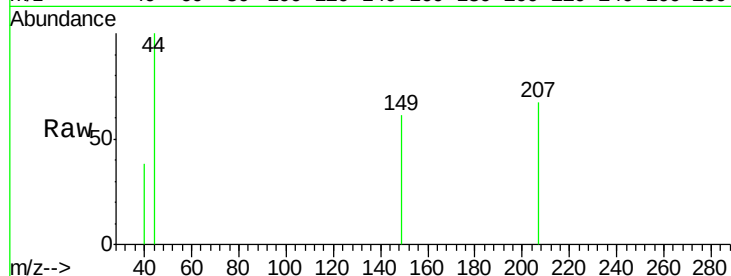
Tgt Ion:149 Resp: 435

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

104 0.0 4.1 6.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.13

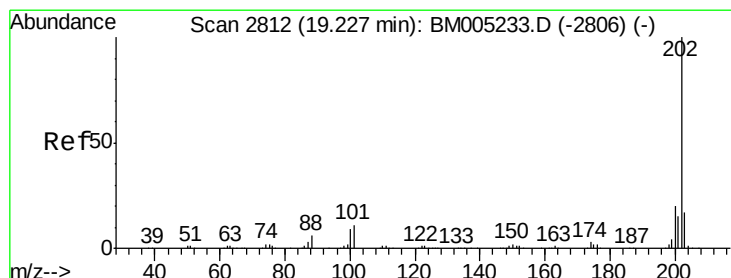
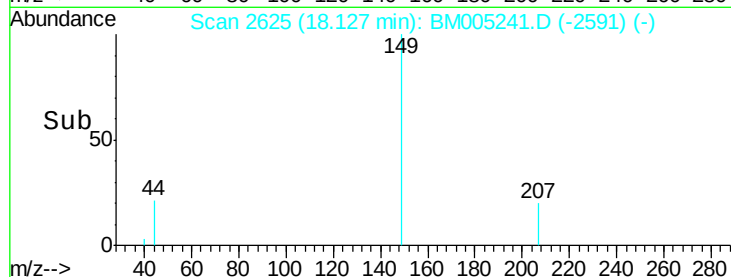
400

200

0

18.12 18.14

Time-->



#74

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.23 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

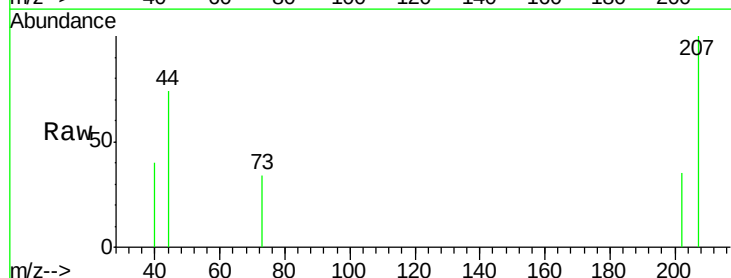
Tgt Ion:202 Resp: 379

Ion Ratio Lower Upper

202 100

101 0.0 9.2 13.8#

100 0.0 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

19.23

400

300

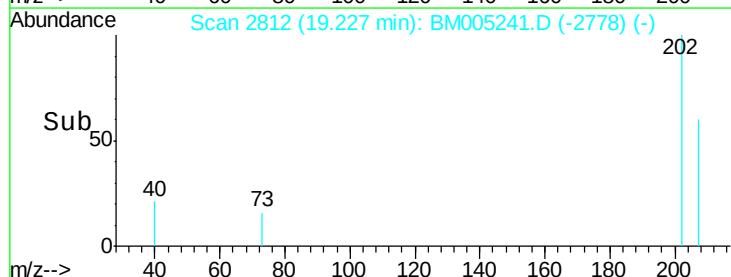
200

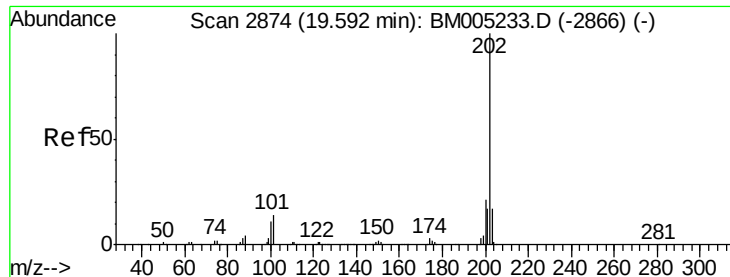
100

0

19.22 19.24

Time-->





#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.56 min Scan# 2869

Delta R.T. -0.03 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

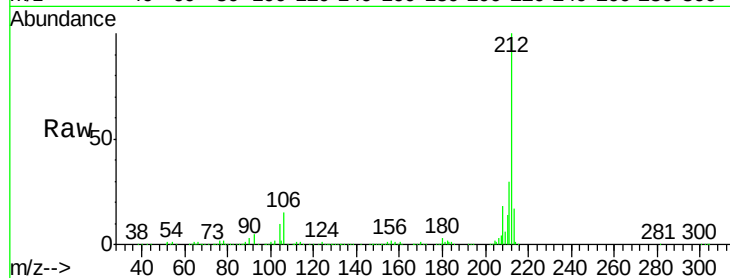
Tgt Ion:202 Resp: 1264

Ion Ratio Lower Upper

202 100

101 159.0 10.8 16.2#

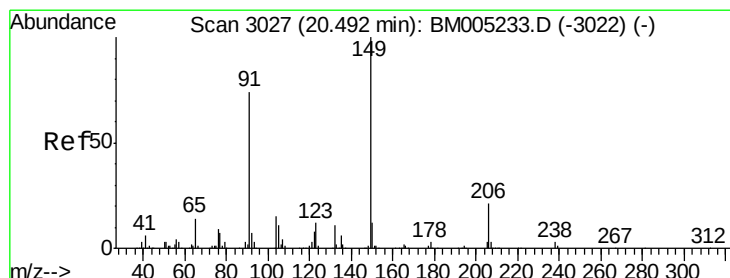
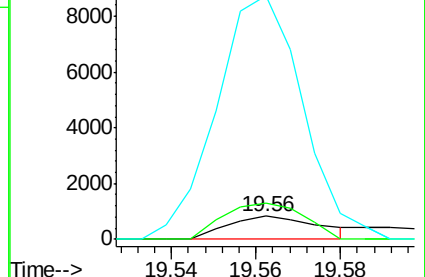
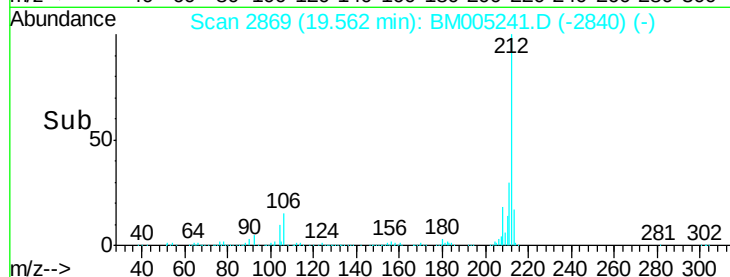
100 1059.2 8.4 12.6#



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



#78

Butylbenzylphthalate

Concen: 0.00 ng/ul

RT: 20.49 min Scan# 3027

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

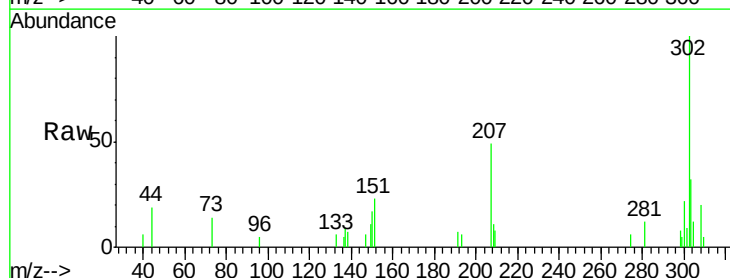
Tgt Ion:149 Resp: 63

Ion Ratio Lower Upper

149 100

91 0.0 58.4 87.6#

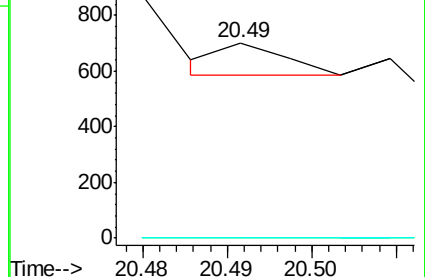
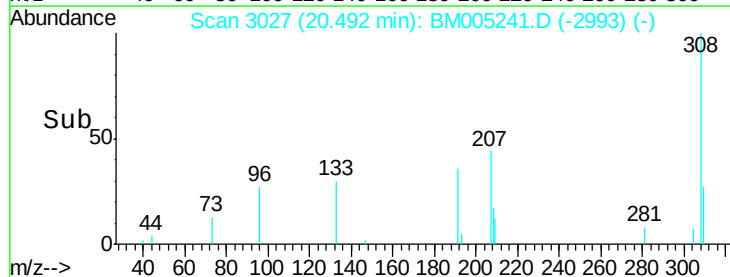
206 0.0 17.3 25.9#

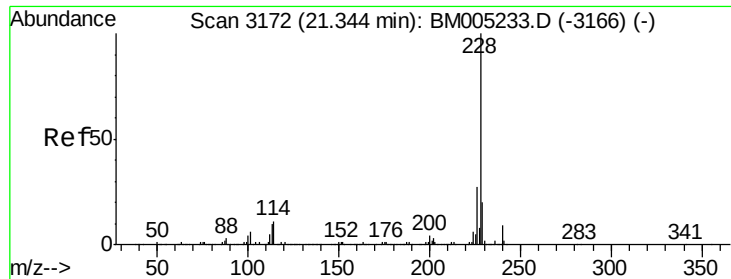


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.36 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

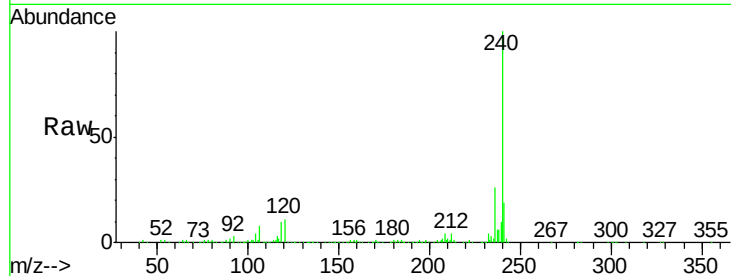
Tgt Ion:228 Resp: 3037

Ion Ratio Lower Upper

228 100

229 30.0 15.5 23.3#

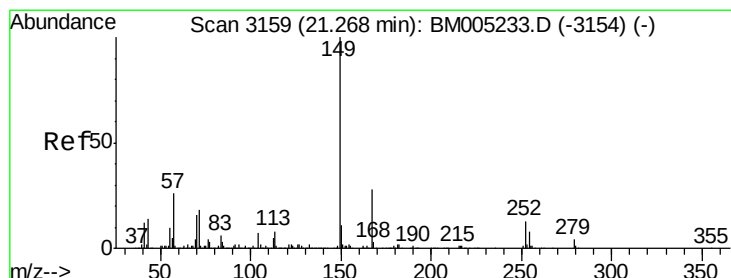
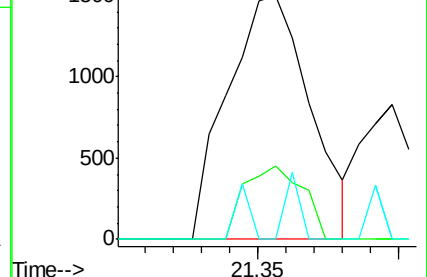
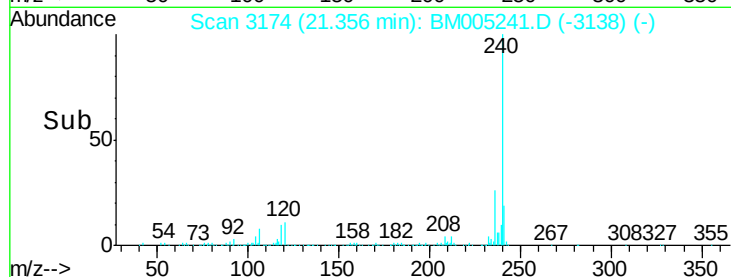
226 0.0 21.8 32.8#



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: 0.03 ng/ul

RT: 21.27 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

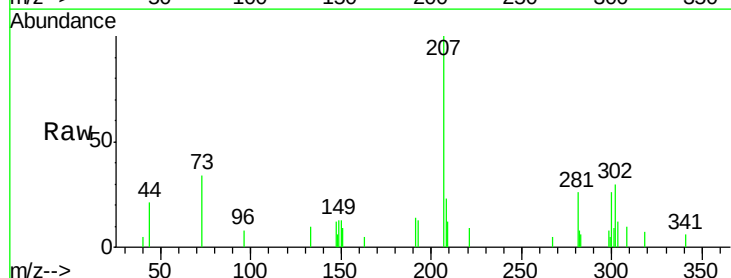
Tgt Ion:149 Resp: 494

Ion Ratio Lower Upper

149 100

167 0.0 21.9 32.9#

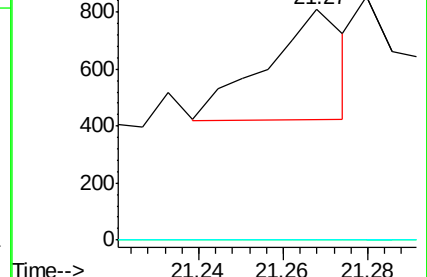
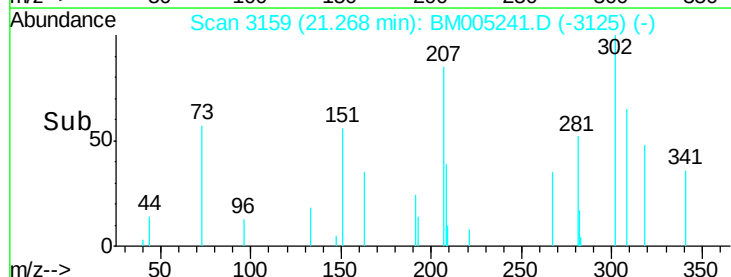
279 0.0 3.0 4.4#

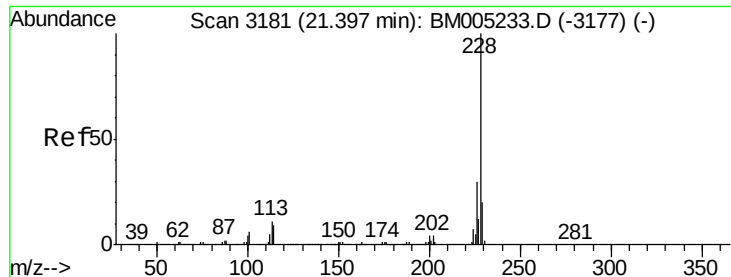


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 0.03 ng/ul

RT: 21.40 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampled :

SBLK63

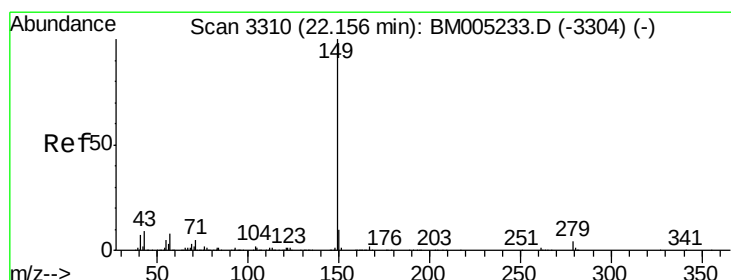
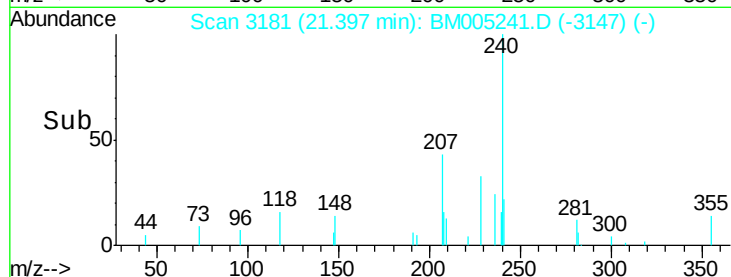
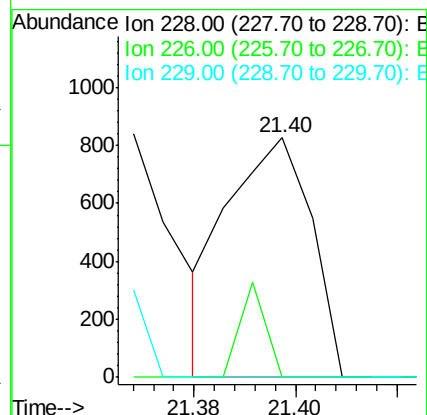
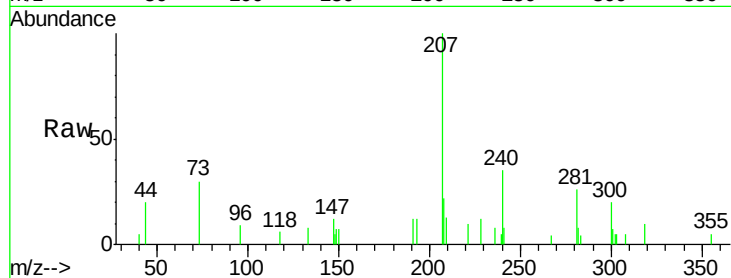
Tgt Ion:228 Resp: 941

Ion Ratio Lower Upper

228 100

226 0.0 23.6 35.4#

229 0.0 15.4 23.0#



#84

Di-n-octyl phthalate

Concen: 0.04 ng/ul

RT: 22.14 min Scan# 3308

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

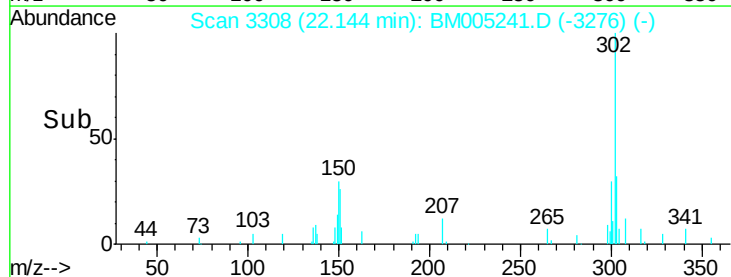
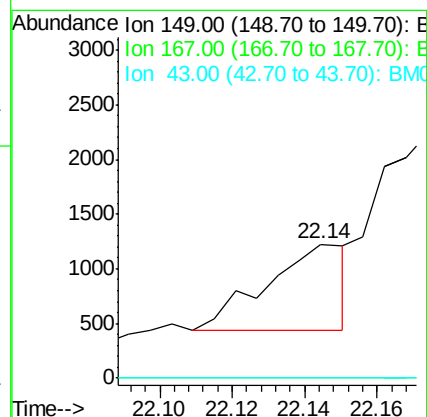
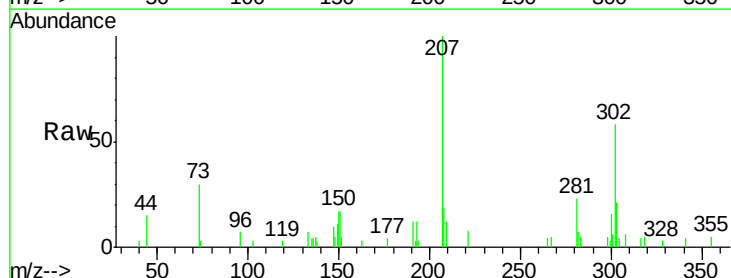
Tgt Ion:149 Resp: 1213

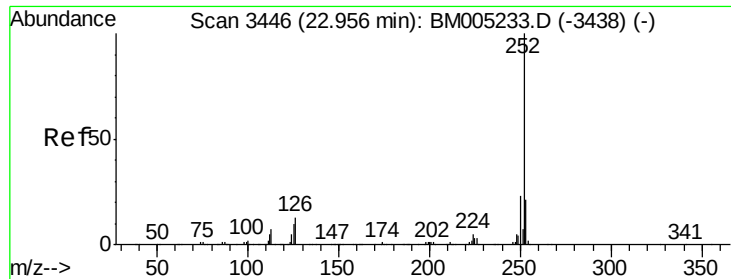
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 7.4 11.0#





#85

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.95 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

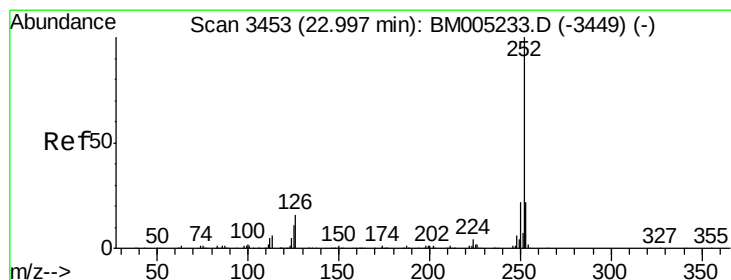
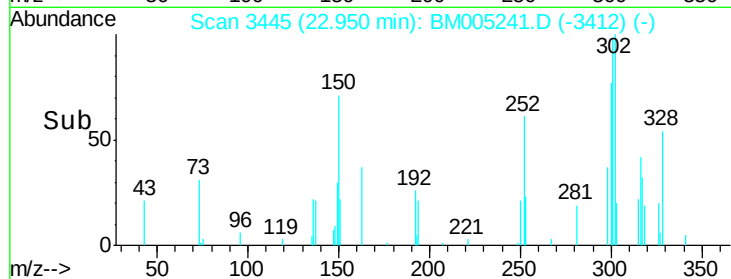
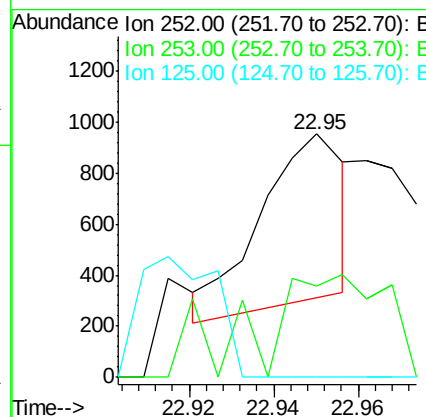
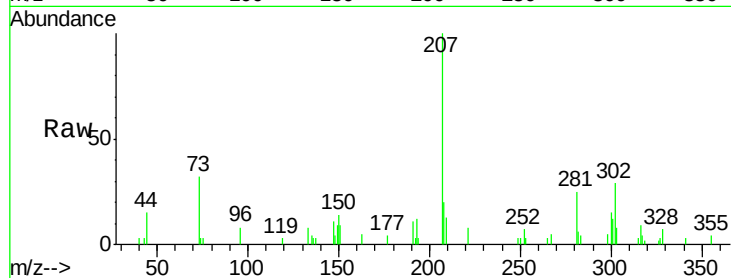
Instrument :

BNA_M

ClientSampleId :

SBLK63

Tgt Ion:	252	Resp:	912
Ion	Ratio	Lower	Upper
252	100		
253	37.6	17.4	26.2#
125	0.0	8.4	12.6#



#86

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

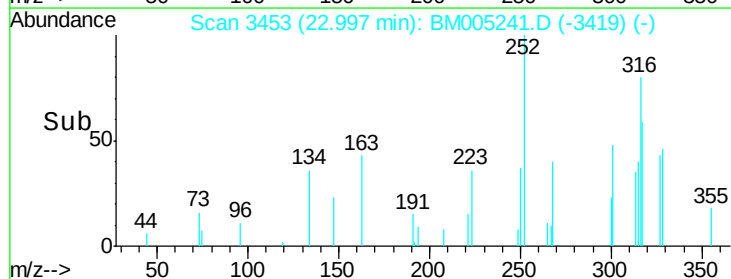
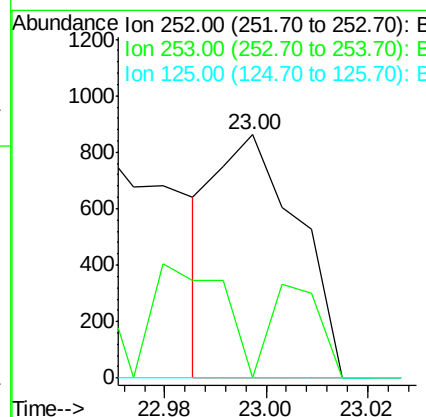
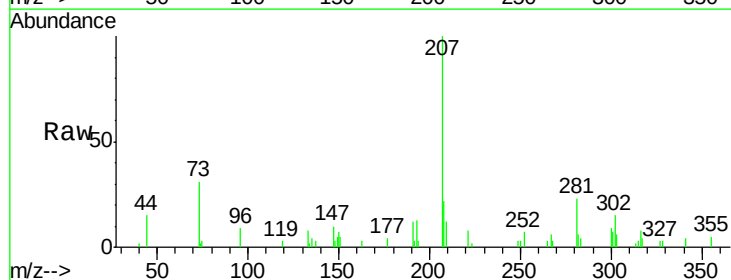
RT: 23.00 min Scan# 3453

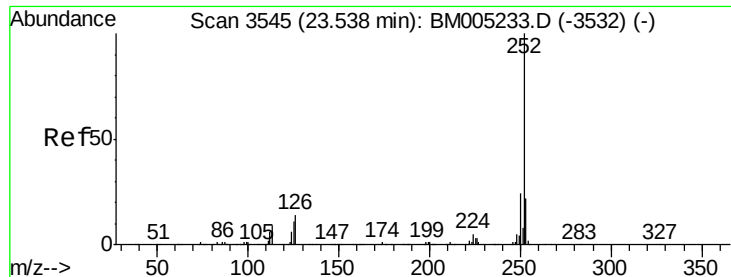
Delta R.T. 0.00 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Tgt Ion:	252	Resp:	968
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: 0.08 ng/ul

RT: 23.53 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

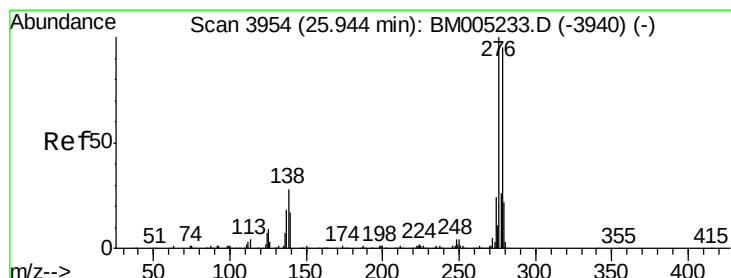
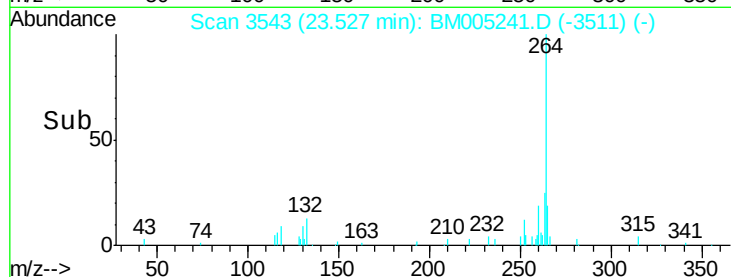
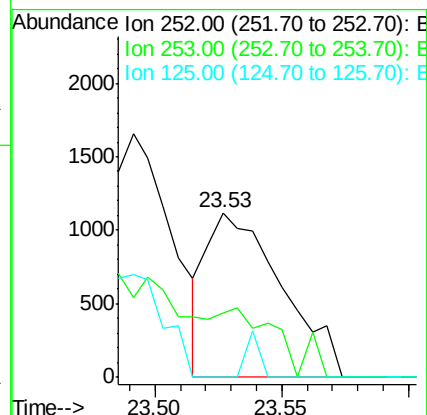
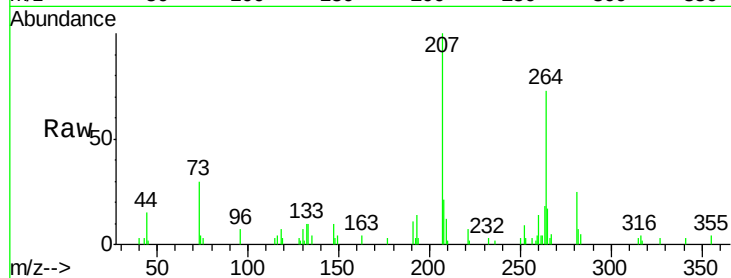
Instrument :

BNA_M

ClientSampleId :

SBLK63

Tgt Ion:	252	Resp:	2305
Ion Ratio	Lower	Upper	
252	100		
253	39.1	17.5	26.3#
125	0.0	8.7	13.1#



#89

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

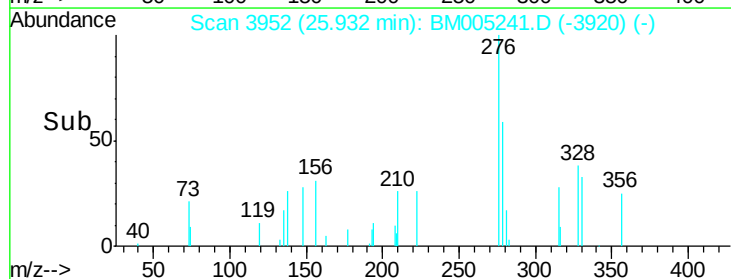
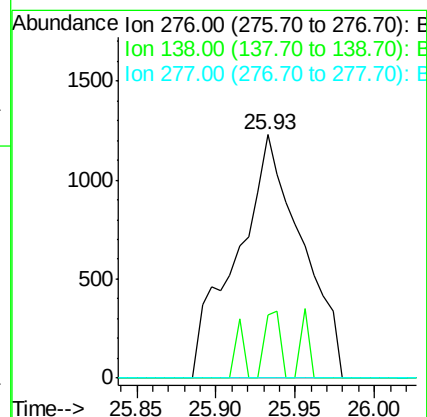
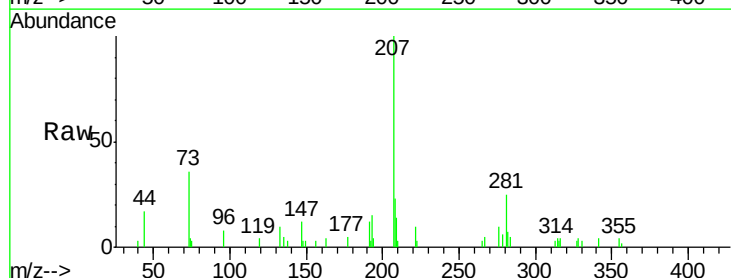
RT: 25.93 min Scan# 3952

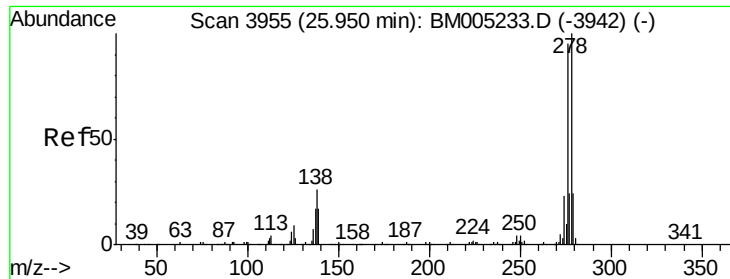
Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Tgt Ion:	276	Resp:	3521
Ion Ratio	Lower	Upper	
276	100		
138	26.1	21.0	31.6
277	0.0	19.9	29.9#





#90

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 25.94 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

Instrument :

BNA_M

ClientSampleId :

SBLK63

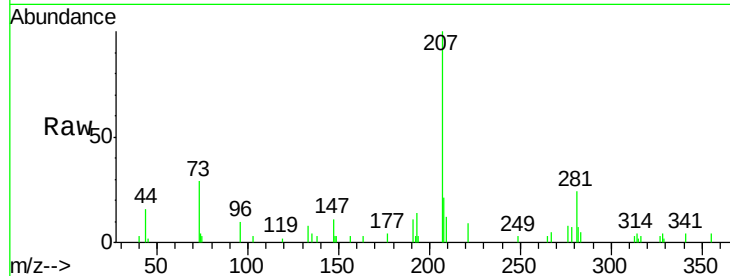
Tgt Ion: 278 Resp: 2334

Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.6#

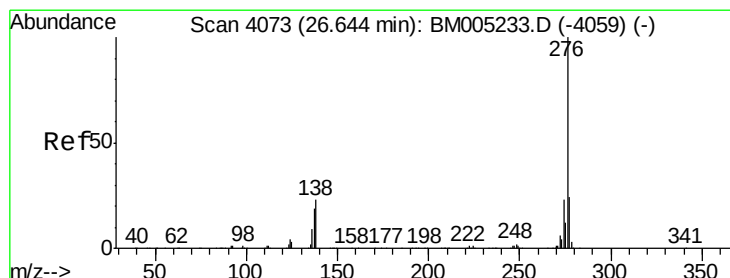
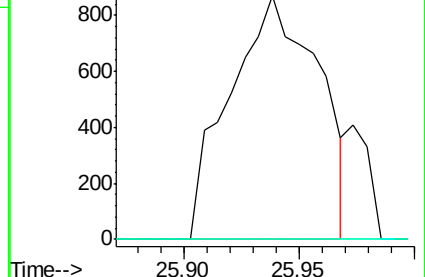
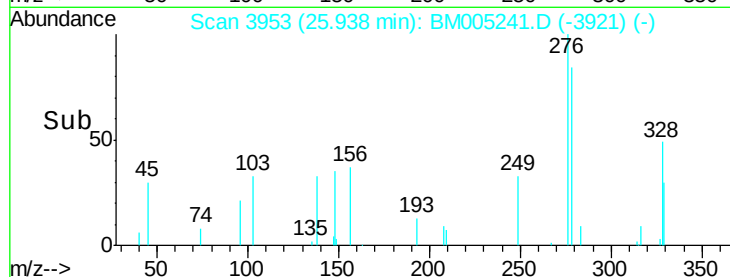
279 0.0 18.9 28.3#



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: 0.05 ng/ul

RT: 26.63 min Scan# 4071

Delta R.T. -0.01 min

Lab File: BM005241.D

Acq: 05 May 2016 19:02

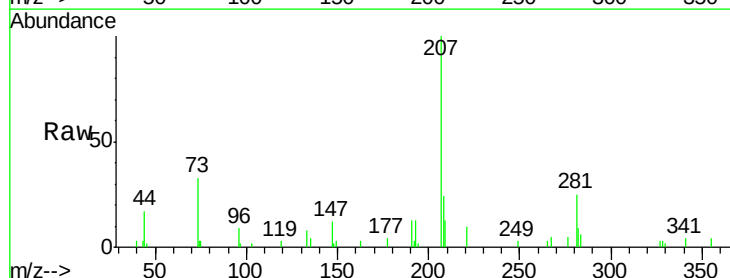
Tgt Ion: 276 Resp: 1390

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

