

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051816\
 Data File : BM005470.D
 Acq On : 18 May 2016 15:26
 Operator : UM/SJ
 Sample : PB90308BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK08

Quant Time: May 19 01:43:31 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 18 14:47:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	29469	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	149782	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	105811	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	297209	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	490802	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	612972	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	4020	5.25	ng/uL	0.00
5) Phenol-d5	6.99	99	79742	28.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	50433	32.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	63389	29.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	68709	28.50	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	34352	31.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	37347	31.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	67266	28.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	114816	42.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	302061	34.73	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	332566	32.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	59658	33.43	ng/ul	0.00
57) Fluorene-d10	15.46	176	258880	33.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	40142	25.62	ng/ul	0.00
70) Anthracene-d10	17.30	188	454629	33.26	ng/ul	0.00
76) Pyrene-d10	19.60	212	604946	30.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	898610	32.79	ng/ul	0.00

Target Compounds

						Qvalue
12) 2,2'-oxybis(1-Chloropropan	8.53	45	397	0.13	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.53	70	1949	0.95	ng/ul#	1
21) Isophorone	9.71	82	3372	0.61	ng/ul#	67
45) 2,6-Dinitrotoluene	13.88	165	1708	1.00	ng/ul#	29
58) Fluorene	15.46	166	315	0.04	ng/ul#	9
69) Phenanthrene	17.24	178	1151	0.07	ng/ul#	60
71) Anthracene	17.34	178	510	0.03	ng/ul#	60
72) Carbazole	17.61	167	476	0.03	ng/ul#	60
73) Di-n-butylphthalate	18.18	149	262	0.01	ng/ul#	78
74) Fluoranthene	19.26	202	1313	0.07	ng/ul#	72
77) Pyrene	19.62	202	1623	0.06	ng/ul#	69
78) Butylbenzylphthalate	20.52	149	153	0.01	ng/ul#	22
79) 3,3'-Dichlorobenzidine	21.30	252	525	0.06	ng/ul#	26
80) Benzo(a)anthracene	21.39	228	2388	0.08	ng/ul#	63
81) Bis(2-ethylhexyl)phthalate	21.31	149	58	0.00	ng/ul#	52
82) Chrysene	21.42	228	1150	0.04	ng/ul#	76
84) Di-n-octyl phthalate	22.20	149	565	0.02	ng/ul#	1
85) Benzo(b)fluoranthene	22.96	252	1158	0.03	ng/ul#	56
86) Benzo(k)fluoranthene	23.00	252	340	0.01	ng/ul#	20
88) Benzo(a)pyrene	23.53	252	4379	0.13	ng/ul#	59
89) Indeno(1,2,3-cd)pyrene	25.97	276	88	0.00	ng/ul#	49
90) Dibenzo(a,h)anthracene	25.99	278	847	0.02	ng/ul#	55
91) Benzo(g,h,i)perylene	26.67	276	558	0.01	ng/ul#	52

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SBLK08

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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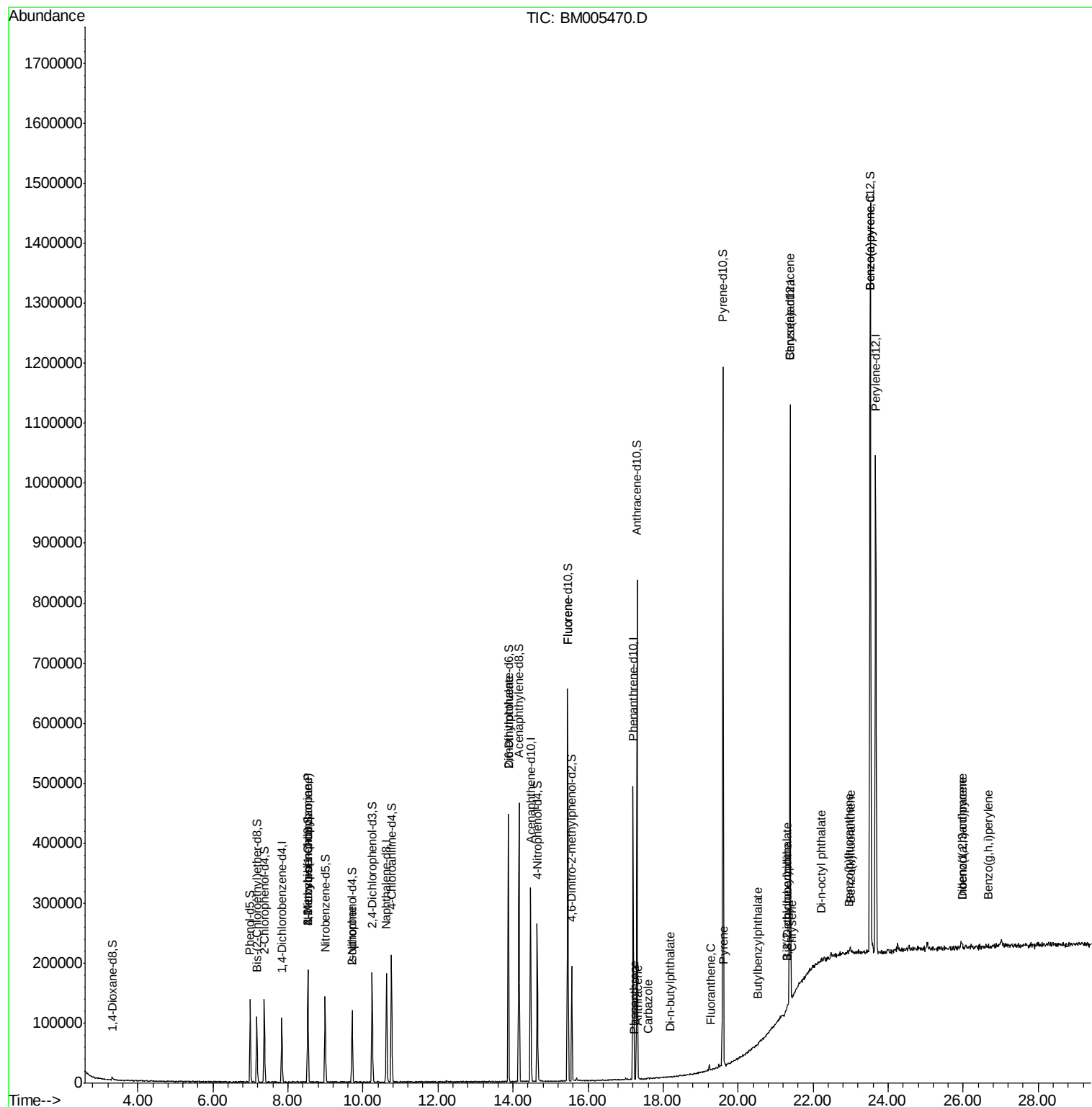
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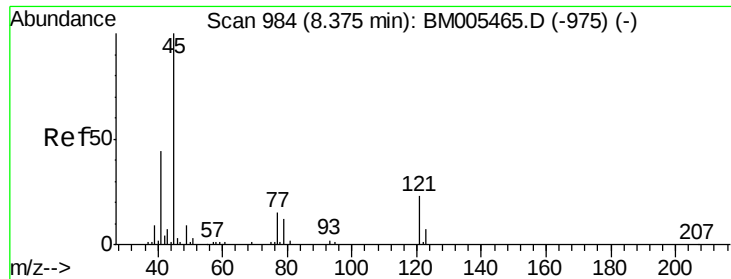
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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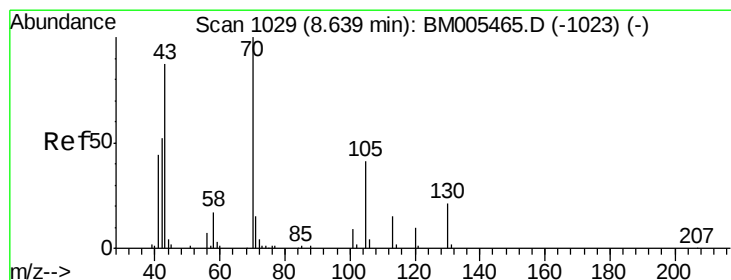
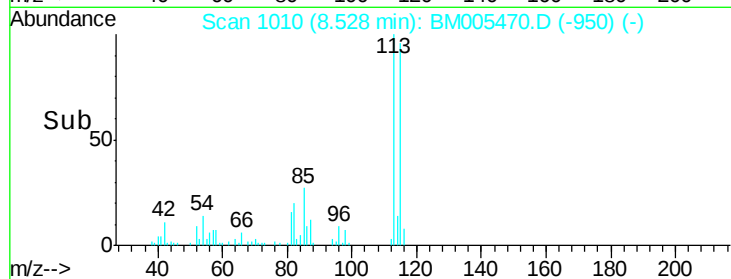
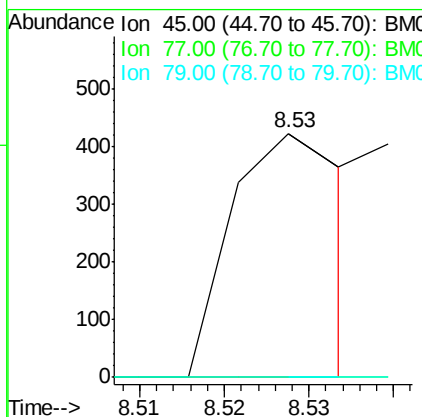
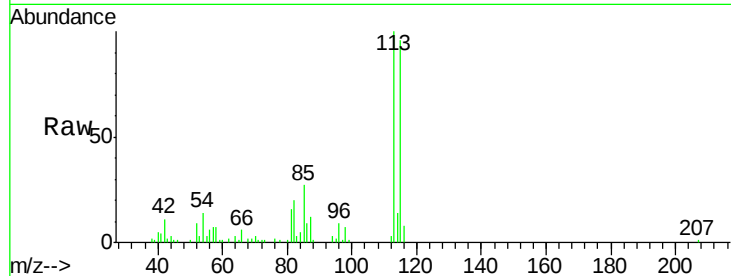




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.13 ng/ul
 RT: 8.53 min Scan# 1010
 Delta R.T. 0.15 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

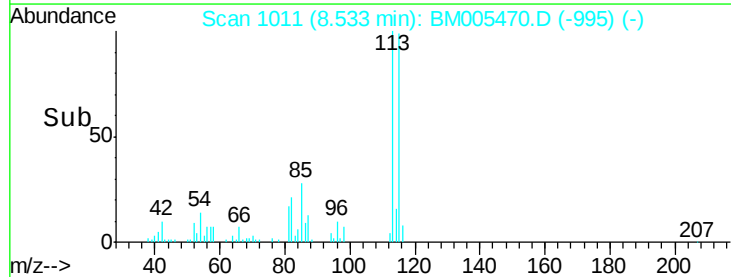
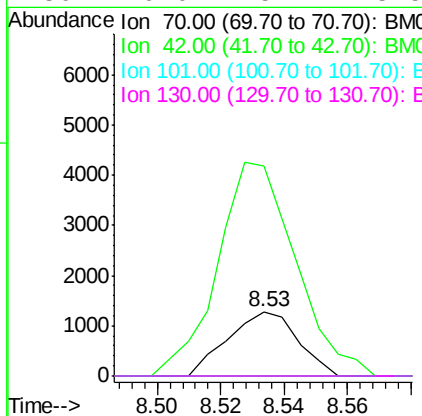
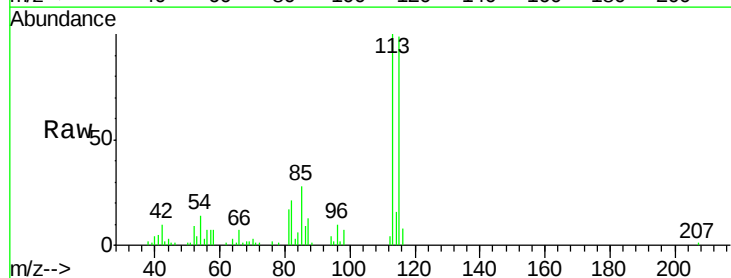
Instrument :
 BNA_M
 ClientSampled :
 SBLK08

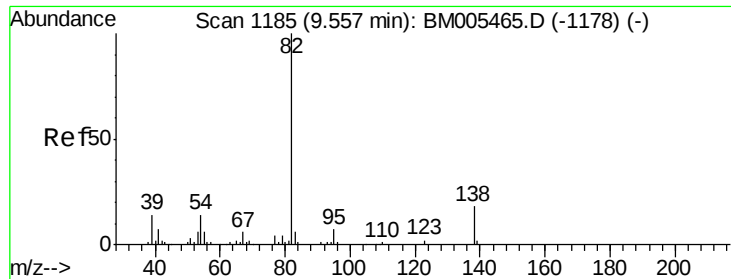
Tgt Ion: 45 Resp: 397
 Ion Ratio Lower Upper
 45 100
 77 0.0 12.1 18.1#
 79 0.0 9.0 13.4#



#15
 N-Nitroso-di-n-propylamine
 Concen: 0.95 ng/ul
 RT: 8.53 min Scan# 1011
 Delta R.T. -0.11 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

Tgt Ion: 70 Resp: 1949
 Ion Ratio Lower Upper
 70 100
 42 324.1 42.8 64.2#
 101 0.0 7.8 11.6#
 130 0.0 15.7 23.5#





#21

Isophorone

Concen: 0.61 ng/ul

RT: 9.71 min Scan# 1211

Delta R.T. 0.15 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampled :

SBLK08

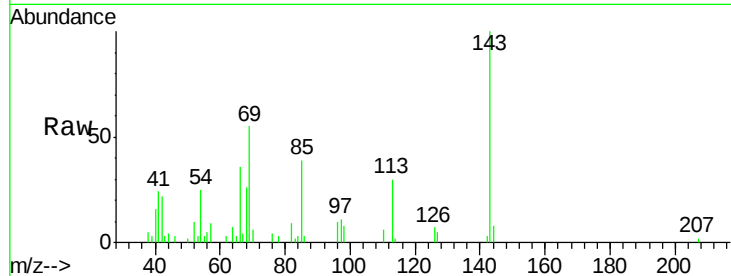
Tgt Ion: 82 Resp: 3372

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

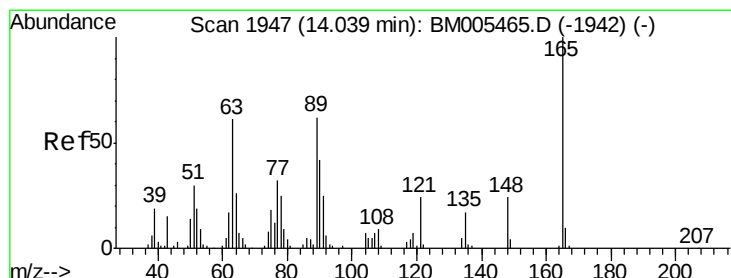
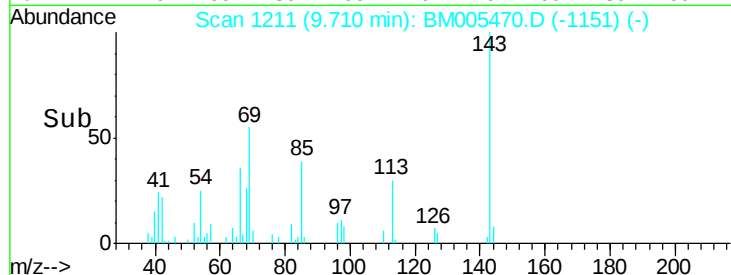
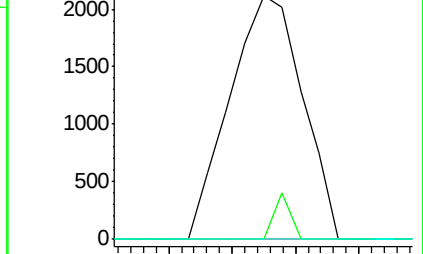
138 0.0 13.4 20.2#



Abundance Ion 82.00 (81.70 to 82.70): BM005465.D (-1178) (-)

Ion 95.00 (94.70 to 95.70): BM005465.D (-1178) (-)

Ion 138.00 (137.70 to 138.70): BM005465.D (-1178) (-)



#45

2,6-Dinitrotoluene

Concen: 1.00 ng/ul

RT: 13.88 min Scan# 1920

Delta R.T. -0.16 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

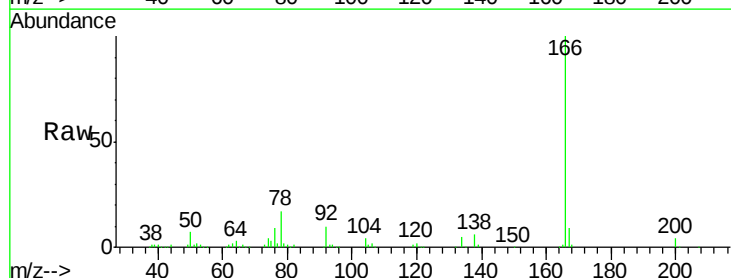
Tgt Ion: 165 Resp: 1708

Ion Ratio Lower Upper

165 100

89 0.0 52.2 78.4#

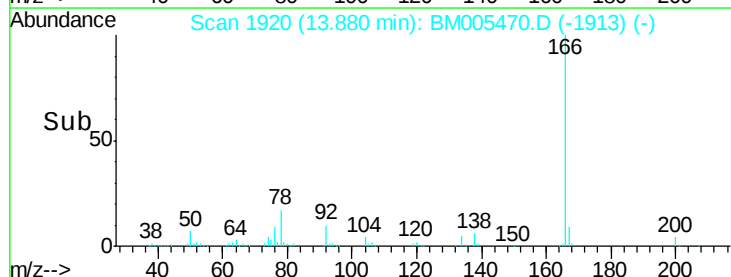
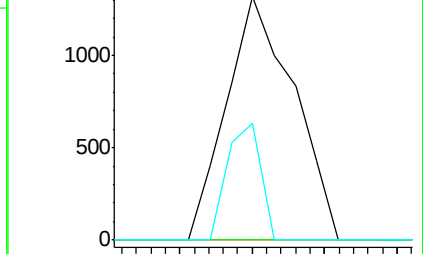
121 48.0 21.0 31.4#

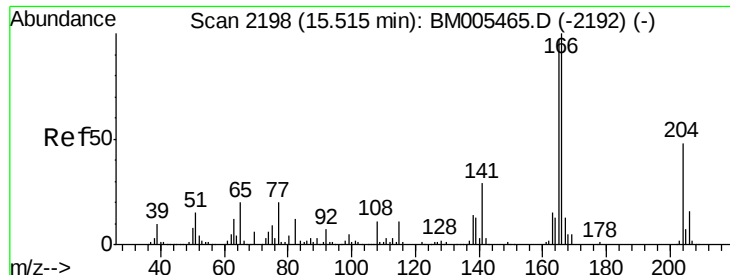


Abundance Ion 165.00 (164.70 to 165.70): BM005465.D (-1942) (-)

Ion 89.00 (88.70 to 89.70): BM005465.D (-1942) (-)

Ion 121.00 (120.70 to 121.70): BM005465.D (-1942) (-)





#58

Fluorene

Concen: 0.04 ng/ul

RT: 15.46 min Scan# 2189

Delta R.T. -0.05 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SBLK08

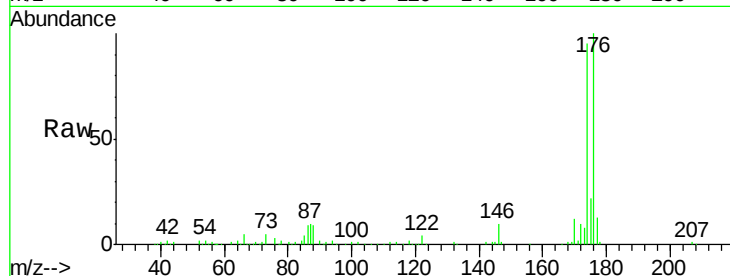
Tgt Ion:166 Resp: 315

Ion Ratio Lower Upper

166 100

165 0.0 77.9 116.9#

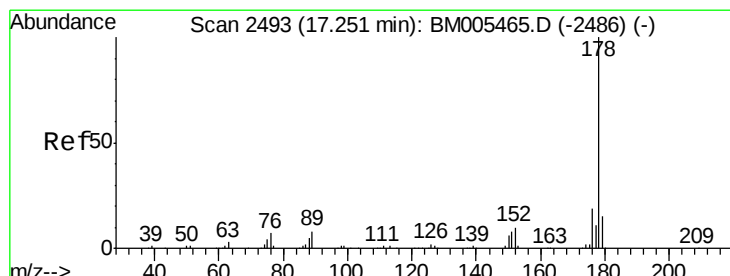
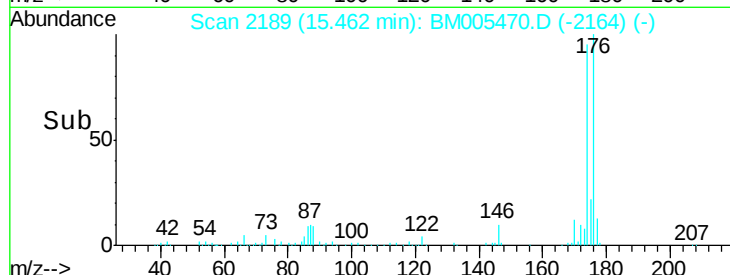
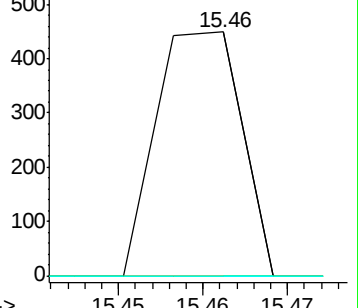
167 0.0 10.6 16.0#



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



#69

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.24 min Scan# 2492

Delta R.T. -0.01 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

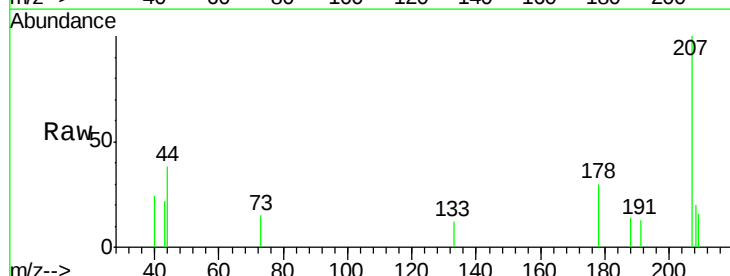
Tgt Ion:178 Resp: 1151

Ion Ratio Lower Upper

178 100

179 0.0 12.3 18.5#

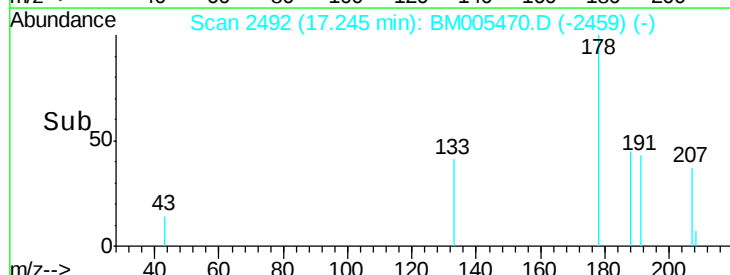
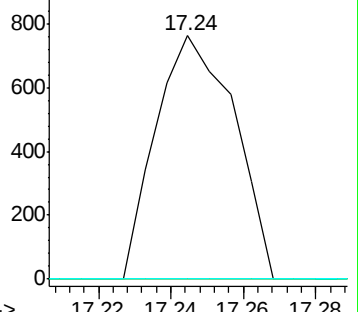
176 0.0 15.2 22.8#

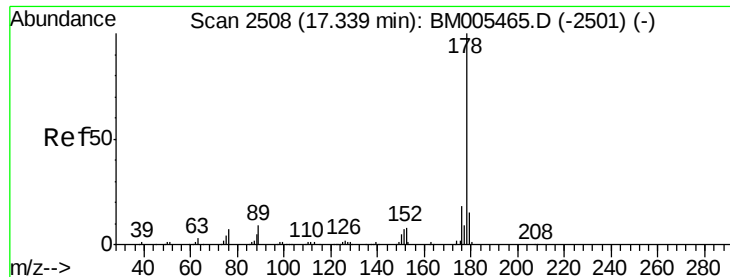


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 0.03 ng/ul

RT: 17.34 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampled :

SBLK08

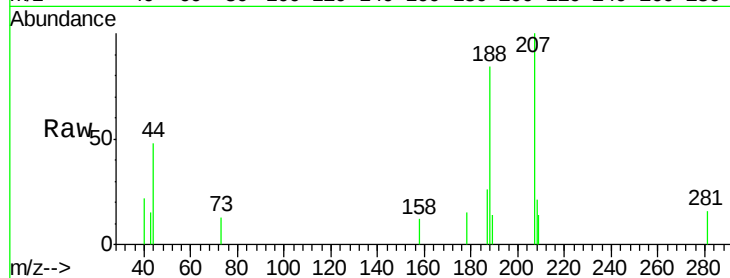
Tgt Ion:178 Resp: 510

Ion Ratio Lower Upper

178 100

179 0.0 12.4 18.6#

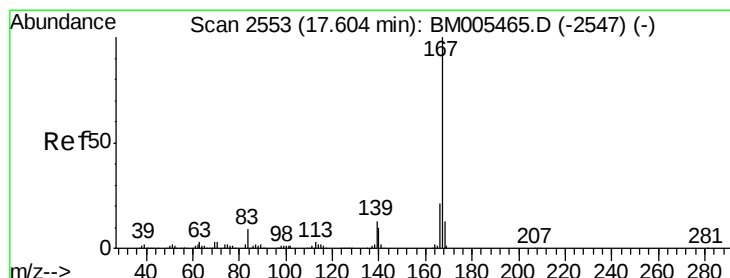
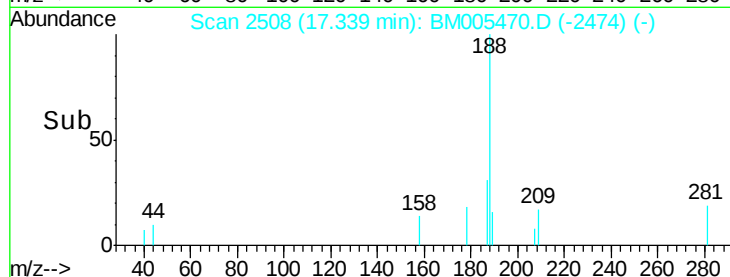
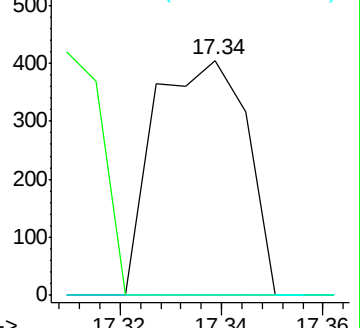
176 0.0 15.1 22.7#



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



#72

Carbazole

Concen: 0.03 ng/ul

RT: 17.61 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

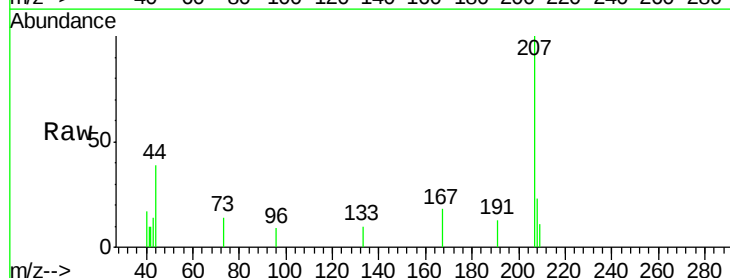
Tgt Ion:167 Resp: 476

Ion Ratio Lower Upper

167 100

166 0.0 17.1 25.7#

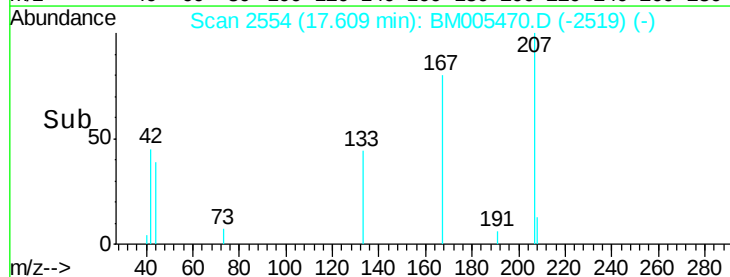
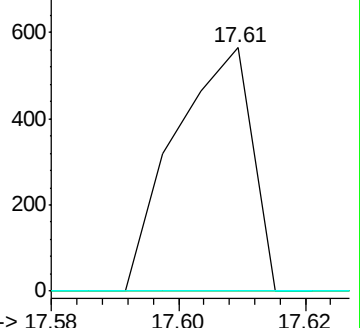
139 0.0 10.2 15.2#

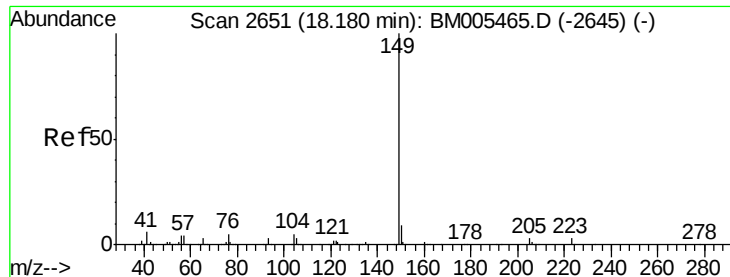


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.01 ng/ul

RT: 18.18 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

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SBLK08

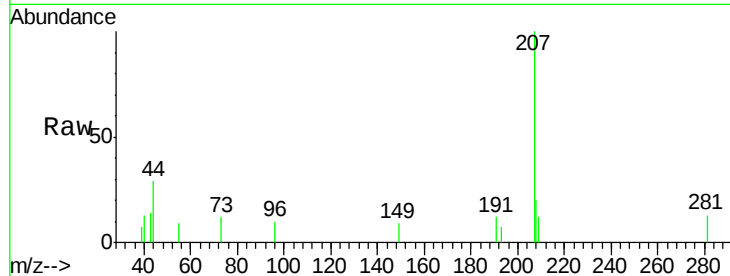
Tgt Ion:149 Resp: 262

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

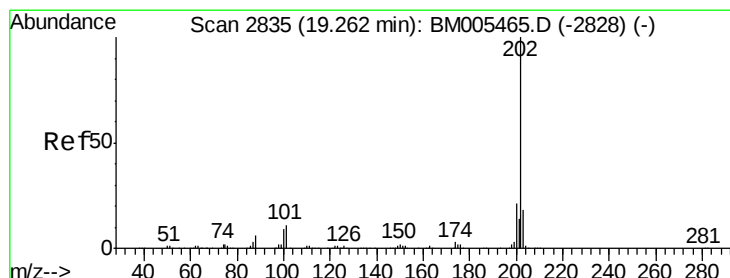
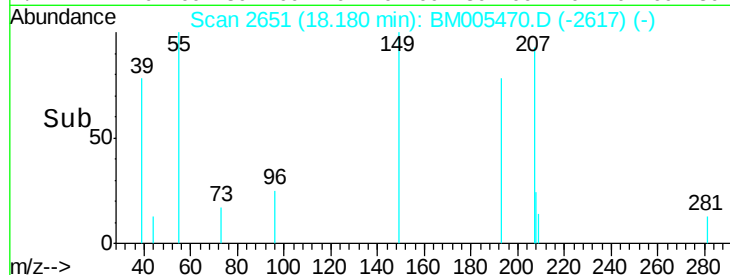
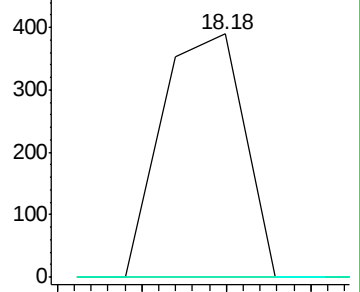
104 0.0 4.1 6.1#



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



#74

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.26 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

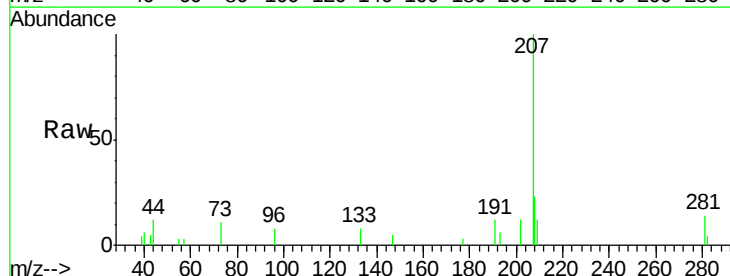
Tgt Ion:202 Resp: 1313

Ion Ratio Lower Upper

202 100

101 0.0 9.2 13.8#

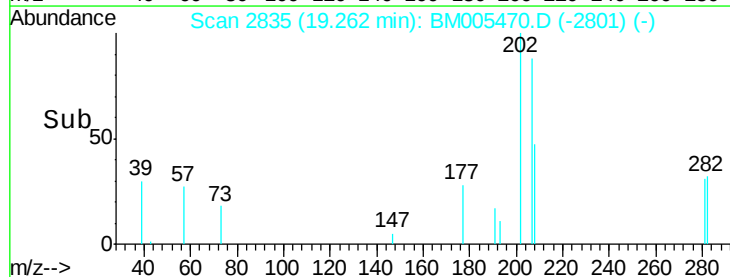
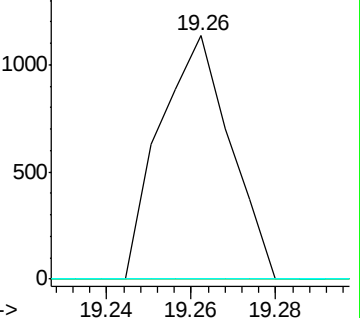
100 0.0 7.1 10.7#

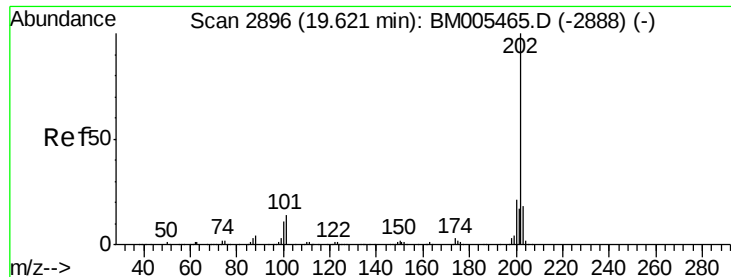


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

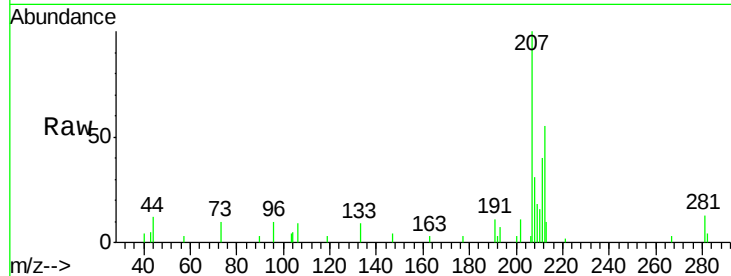




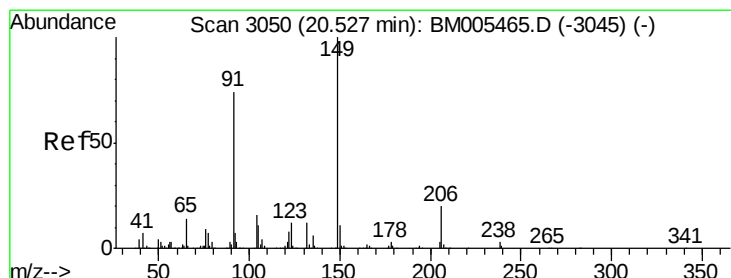
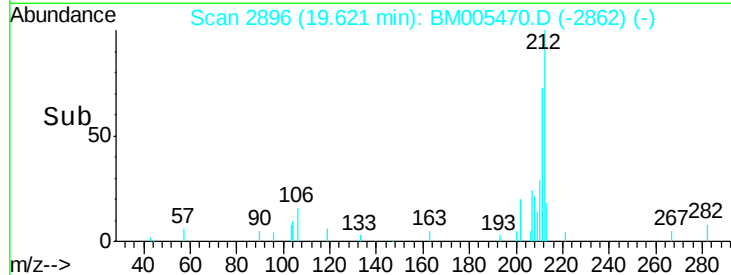
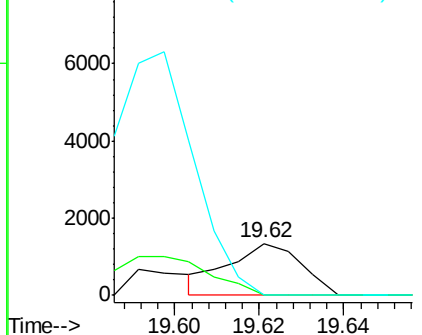
#77
 Pyrene
 Concen: 0.06 ng/ul
 RT: 19.62 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

Instrument :
 BNA_M
 ClientSampleId :
 SBLK08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	10.8	16.2#
100	0.0	8.4	12.6#

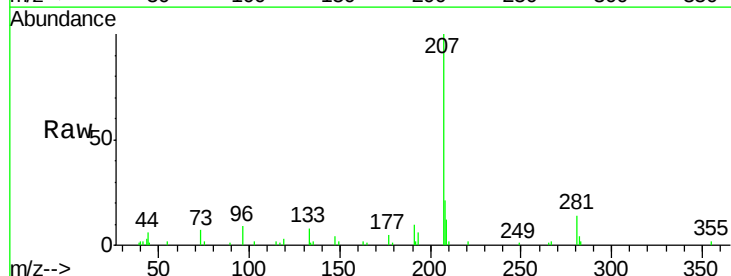


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

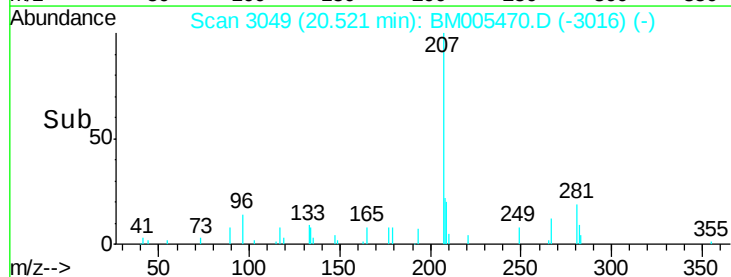
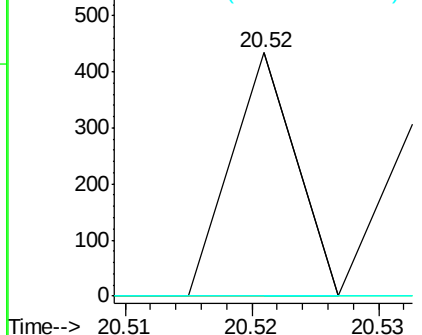


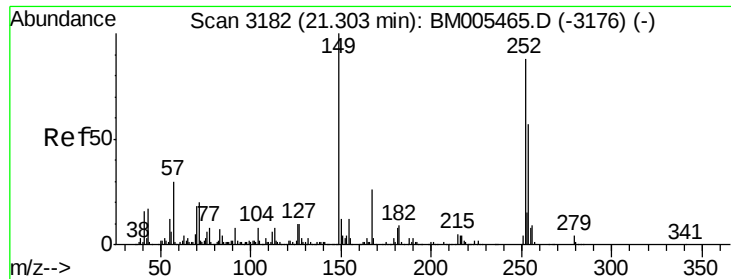
#78
 Butylbenzylphthalate
 Concen: 0.01 ng/ul
 RT: 20.52 min Scan# 3049
 Delta R.T. -0.01 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

Tgt 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





#79

3,3'-Dichlorobenzidine

Concen: 0.06 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

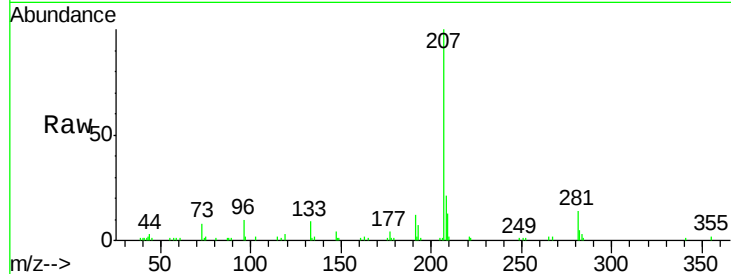
Instrument :

BNA_M

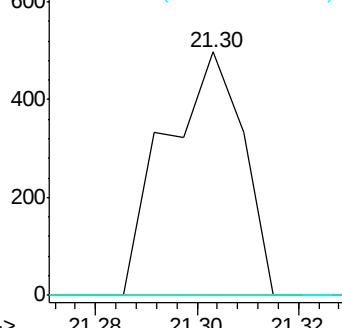
ClientSampleId :

SBLK08

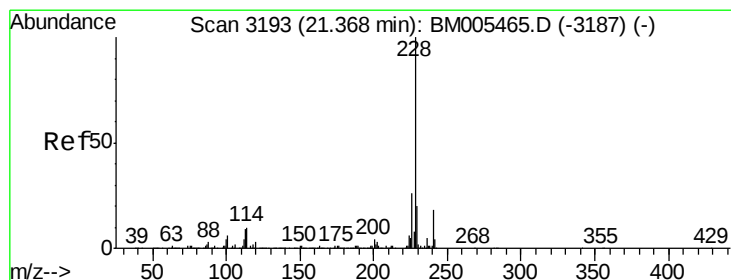
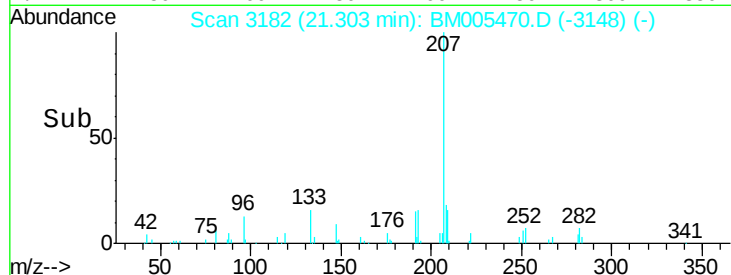
Tgt Ion:	252	Resp:	525
Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.1	78.1#
126	0.0	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 0.08 ng/ul

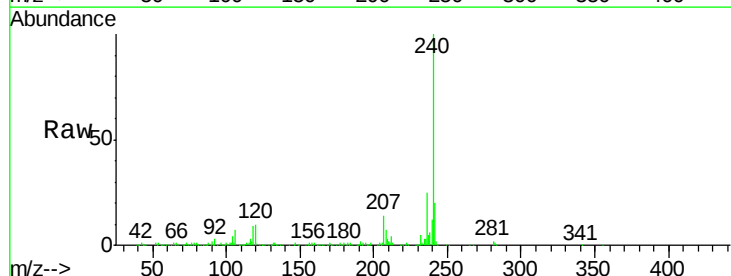
RT: 21.39 min Scan# 3196

Delta R.T. 0.02 min

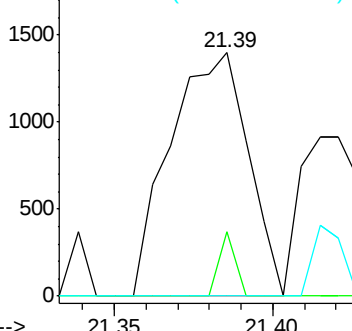
Lab File: BM005470.D

Acq: 18 May 2016 15:26

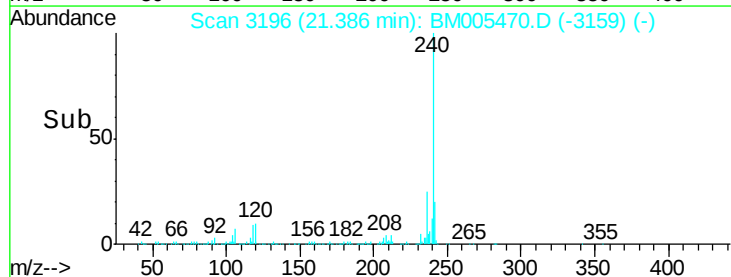
Tgt Ion:	228	Resp:	2388
Ion	Ratio	Lower	Upper
228	100		
229	26.3	15.5	23.3#
226	0.0	21.8	32.8#

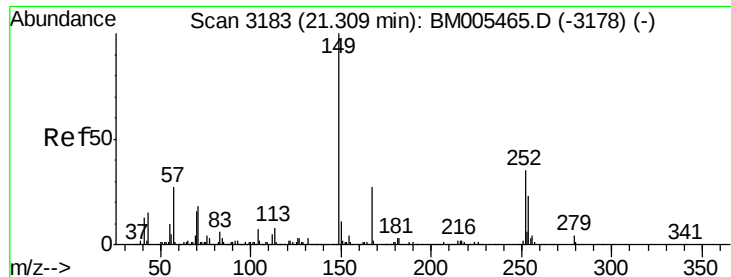


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->

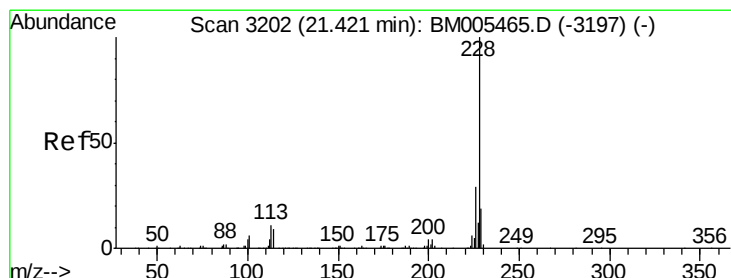
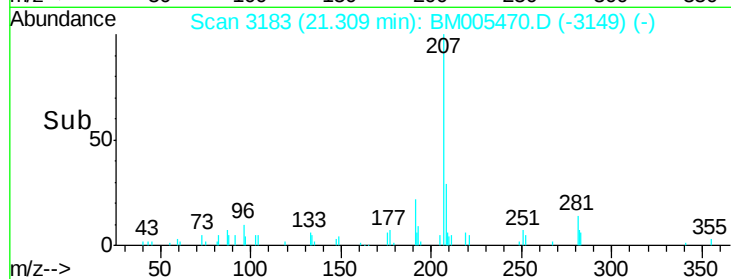
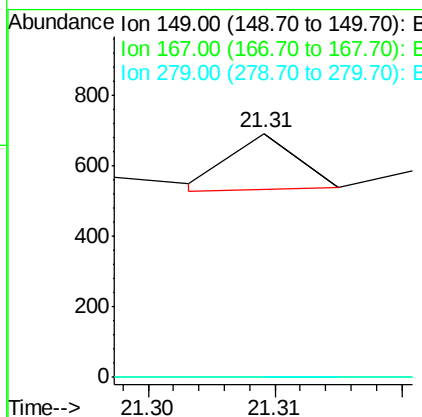
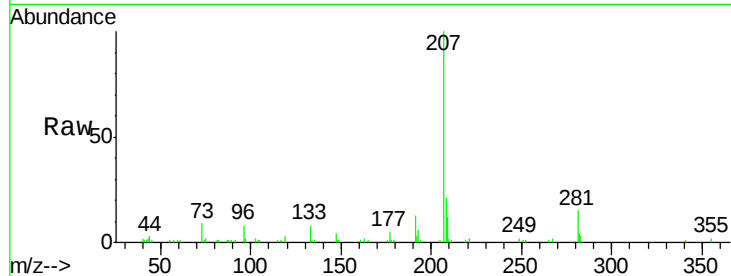




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.00 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.00 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

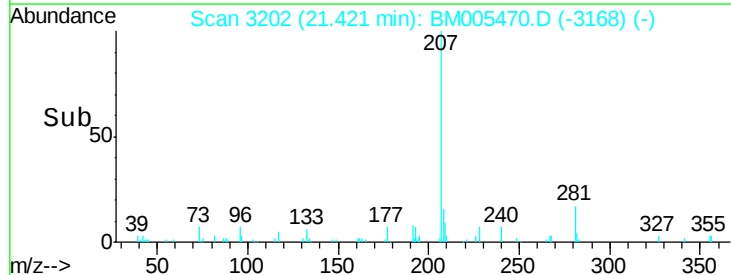
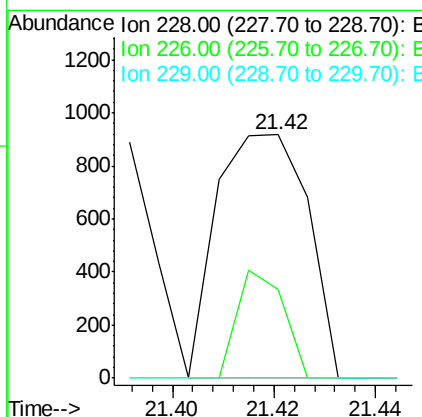
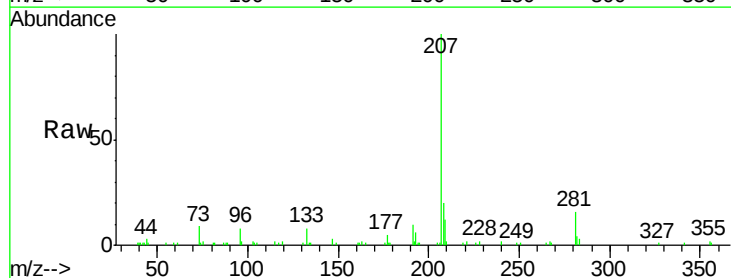
Instrument :
 BNA_M
 ClientSampleId :
 SBLK08

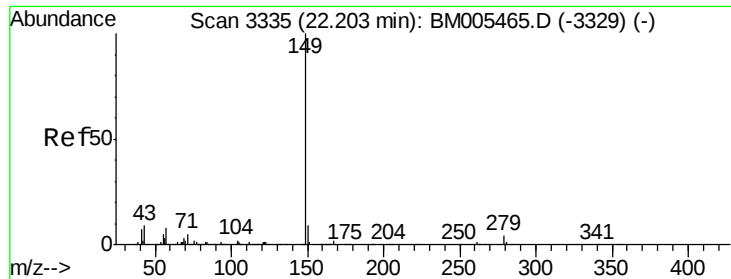
Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.9	32.9#
279	0.0	3.0	4.4#



#82
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.42 min Scan# 3202
 Delta R.T. -0.00 min
 Lab File: BM005470.D
 Acq: 18 May 2016 15:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.2	23.6	35.4#
229	0.0	15.4	23.0#





#84

Di-n-octyl phthalate

Concen: 0.02 ng/ul

RT: 22.20 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SBLK08

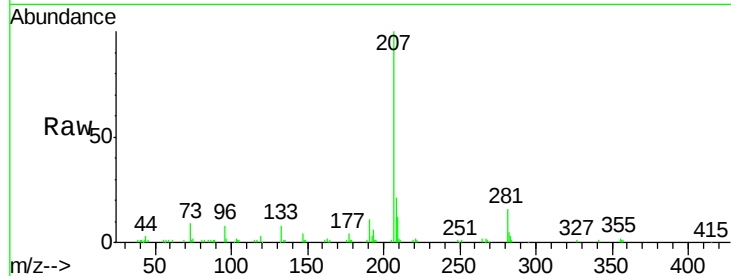
Tgt Ion:149 Resp: 565

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

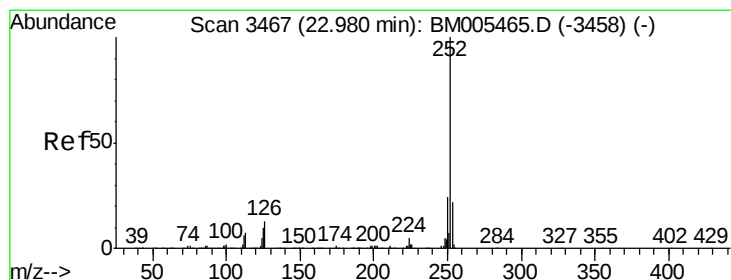
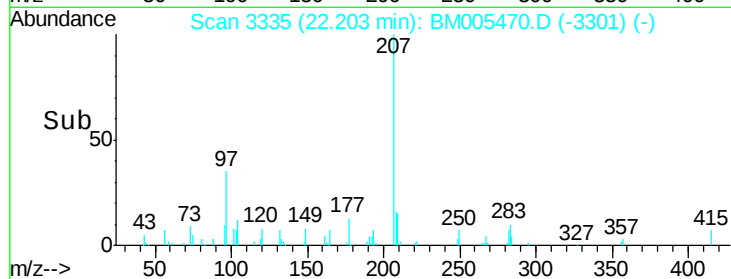
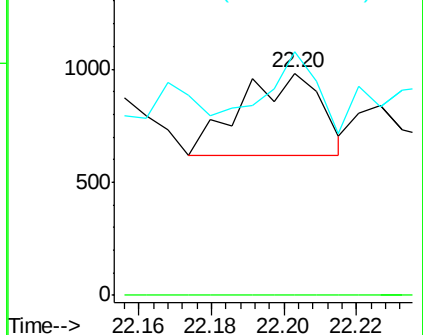
43 109.7 7.4 11.0#



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: 0.03 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.02 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

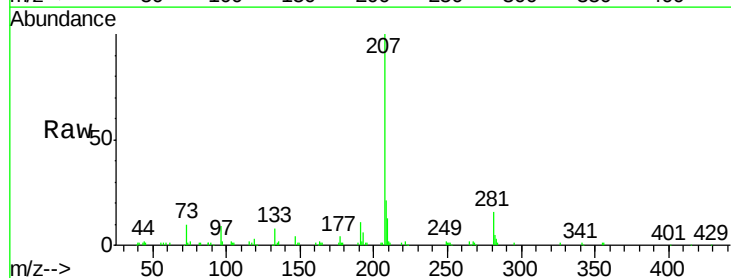
Tgt Ion:252 Resp: 1158

Ion Ratio Lower Upper

252 100

253 46.1 17.4 26.2#

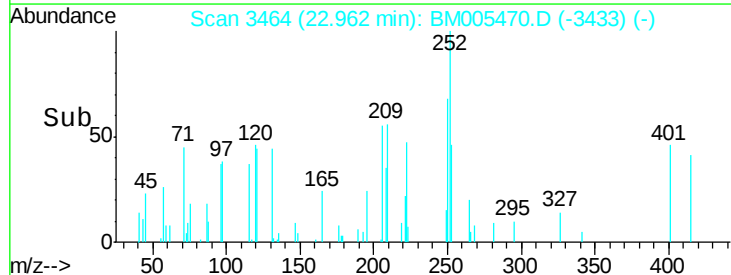
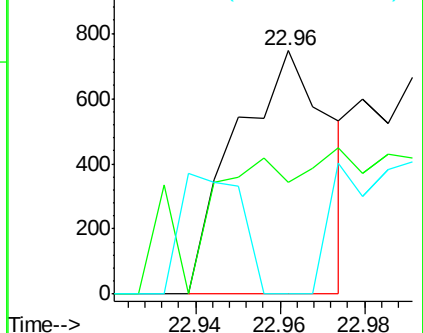
125 0.0 8.4 12.6#

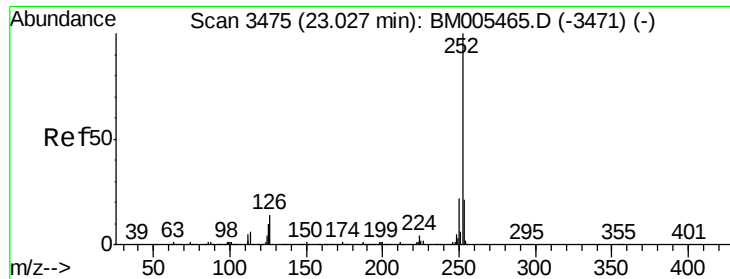


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

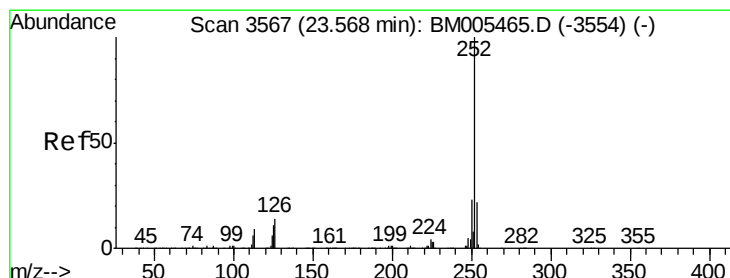
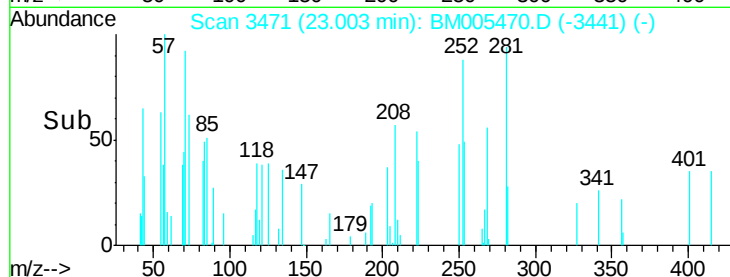
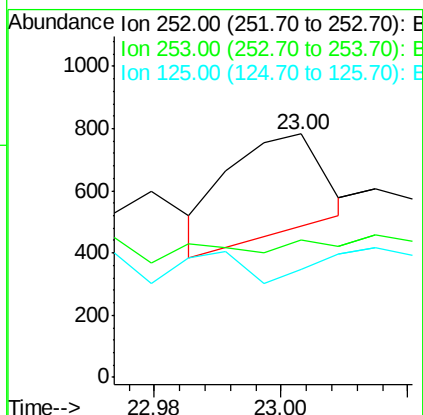
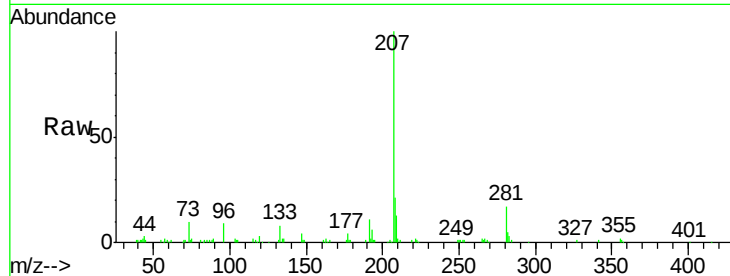




#86
Benzo(k)fluoranthene
Concen: 0.01 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. -0.02 min
Lab File: BM005470.D
Acq: 18 May 2016 15:26

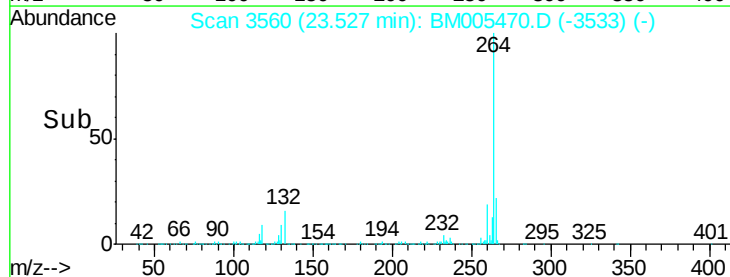
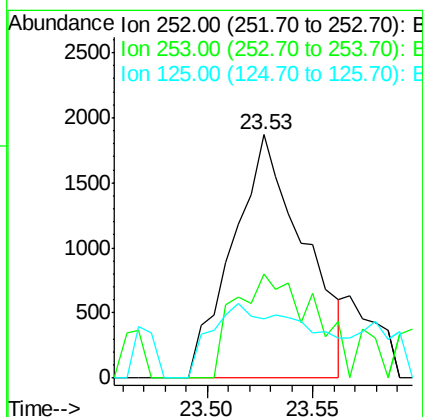
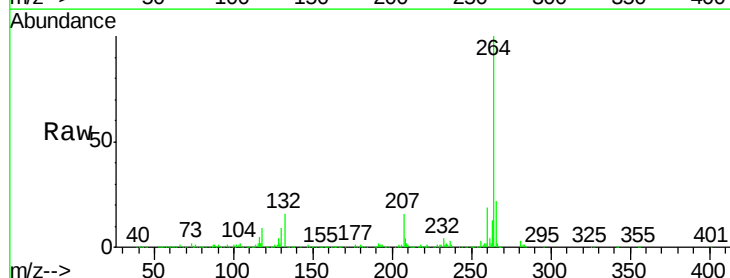
Instrument :
BNA_M
ClientSampleId :
SBLK08

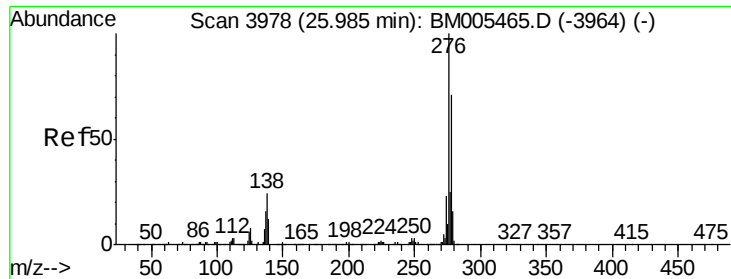
Tgt Ion:252 Resp: 340
Ion Ratio Lower Upper
252 100
253 56.3 17.3 25.9#
125 44.6 8.0 12.0#



#88
Benzo(a)pyrene
Concen: 0.13 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. -0.04 min
Lab File: BM005470.D
Acq: 18 May 2016 15:26

Tgt Ion:252 Resp: 4379
Ion Ratio Lower Upper
252 100
253 42.5 17.5 26.3#
125 24.1 8.7 13.1#





#89

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.97 min Scan# 3976

Delta R.T. -0.01 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SBLK08

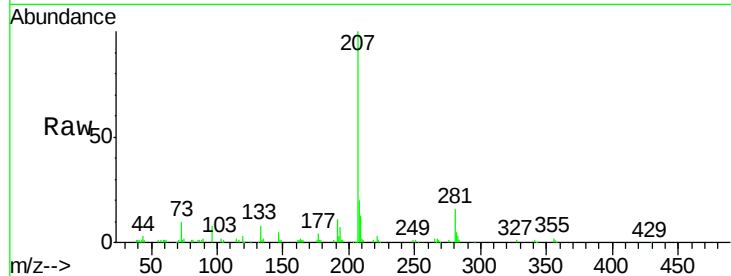
Tgt Ion:276 Resp: 88

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.6#

277 0.0 19.9 29.9#

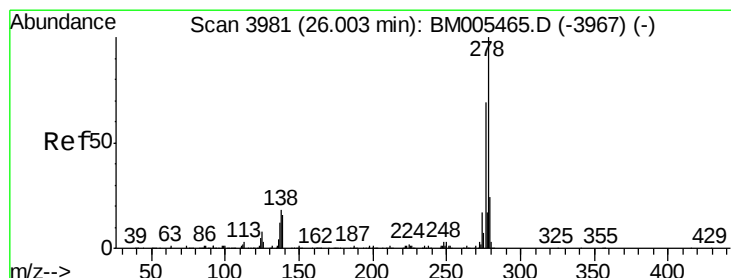
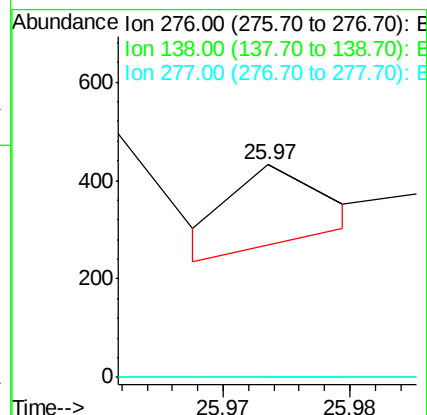
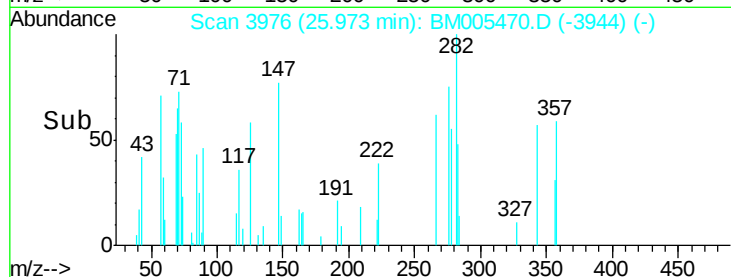


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



#90

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 25.99 min Scan# 3978

Delta R.T. -0.02 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

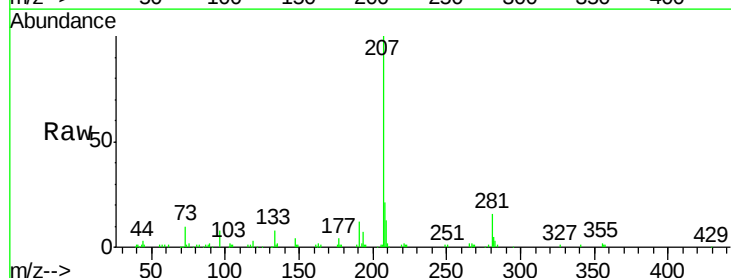
Tgt Ion:278 Resp: 847

Ion Ratio Lower Upper

278 100

139 0.0 13.8 20.6#

279 0.0 18.9 28.3#

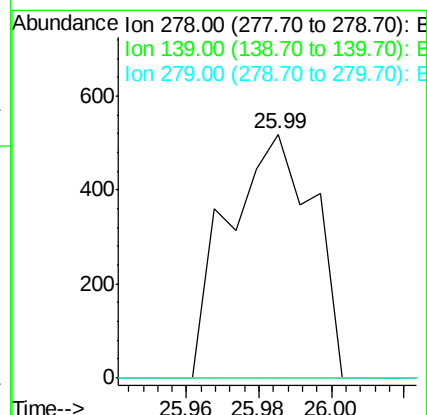
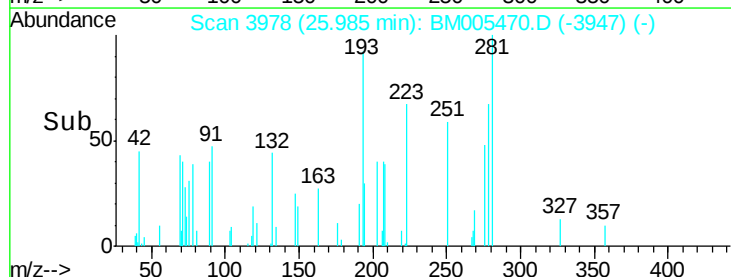


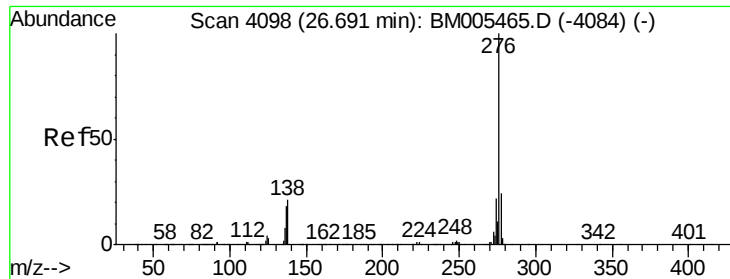
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





#91

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.67 min Scan# 4094

Delta R.T. -0.02 min

Lab File: BM005470.D

Acq: 18 May 2016 15:26

Instrument :

BNA_M

ClientSampleId :

SBLK08

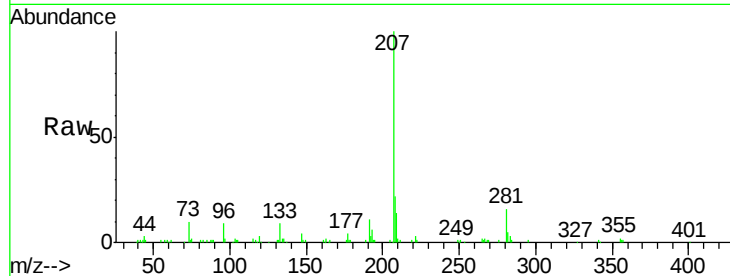
Tgt Ion: 276 Resp: 558

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

