

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052116\
 Data File : BM005577.D
 Acq On : 22 May 2016 07:15
 Operator : UM/SJ
 Sample : H2890-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 23 07:38:38 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	152528	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	644859	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	364253	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	790919	20.00	ng/ul	0.01
75) Chrysene-d12	21.39	240	819927	20.00	ng/ul	0.02
83) Perylene-d12	23.68	264	870196	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	6806	1.95	ng/uL	0.02
5) Phenol-d5	7.00	99	152484	12.20	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	96586	13.33	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	134664	12.91	ng/ul	0.02
13) 4-Methylphenol-d8	8.53	113	117627	11.48	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	68019	13.80	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	72190	13.30	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	126731	12.40	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	7054	0.69	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	382110	12.85	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	495660	13.33	ng/ul	0.01
51) 4-Nitrophenol-d4	14.66	143	30613	5.44	ng/ul	0.01
57) Fluorene-d10	15.45	176	340927	13.18	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.57	200	38166	8.39	ng/ul	0.01
70) Anthracene-d10	17.30	188	492588	13.07	ng/ul	0.01
76) Pyrene-d10	19.59	212	535030	14.41	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	519243	12.78	ng/ul	0.03

Target Compounds

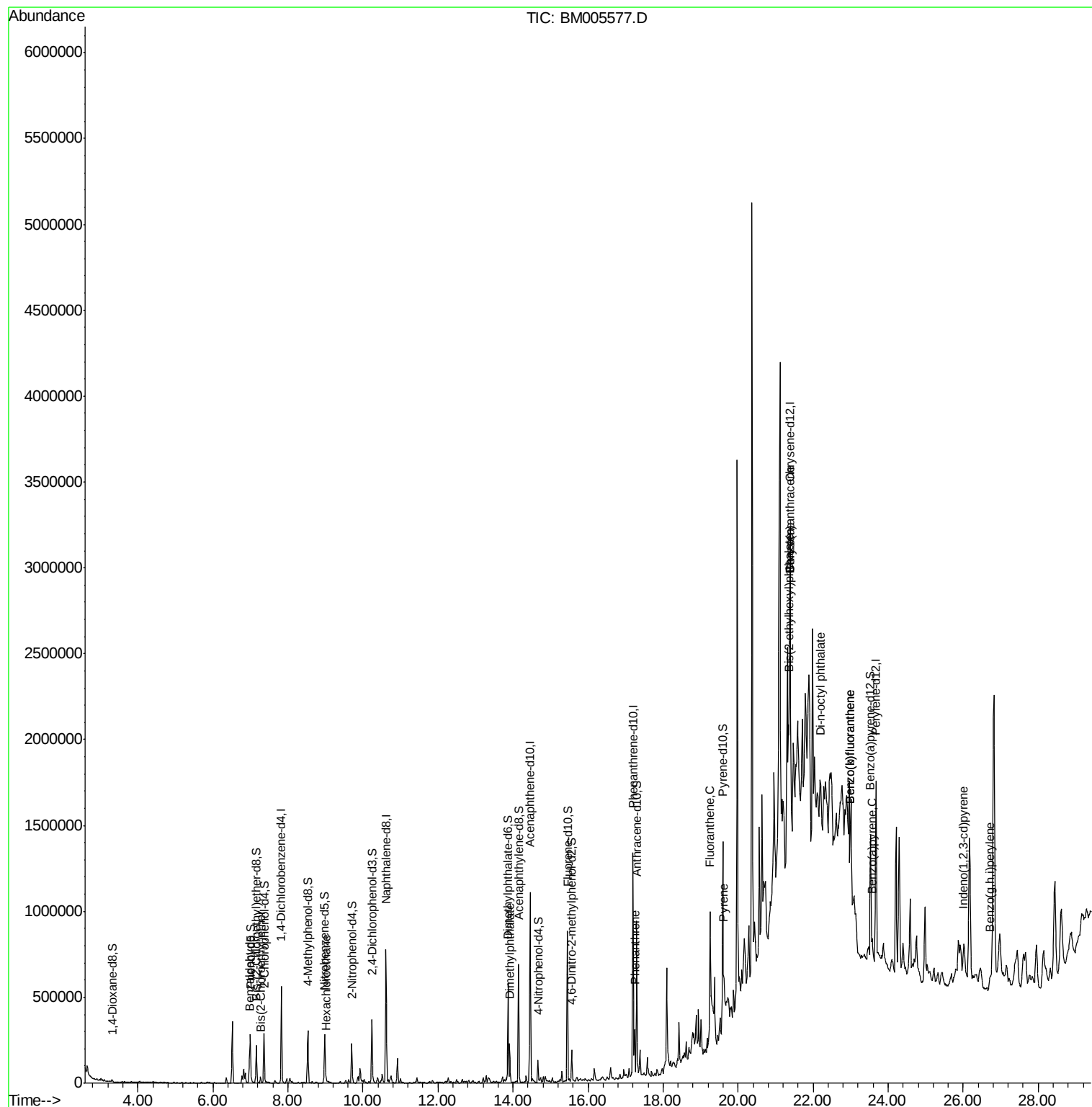
						Ovalue
4) Benzaldehyde	6.97	77	58323	7.19	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.27	93	15819	1.63	ng/ul#	21
17) Hexachloroethane	9.02	117	11766	2.81	ng/ul#	5
44) Dimethylphthalate	13.91	163	138741	4.72	ng/ul	99
69) Phenanthrene	17.24	178	158559	3.59	ng/ul	99
74) Fluoranthene	19.26	202	248898	5.00	ng/ul	98
77) Pyrene	19.62	202	202641	4.30	ng/ul	98
80) Benzo(a)anthracene	21.37	228	113992	2.37	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.36	149	679532	24.22	ng/ul#	55
82) Chrysene	21.37	228	116964	2.55	ng/ul	97
84) Di-n-octyl phthalate	22.19	149	96772	1.94	ng/ul	97
85) Benzo(b)fluoranthene	22.99	252	174223	3.39	ng/ul#	90
86) Benzo(k)fluoranthene	22.99	252	174223	3.59	ng/ul#	91
88) Benzo(a)pyrene	23.57	252	113831	2.29	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.00	276	92527	1.56	ng/ul	99
91) Benzo(g,h,i)perylene	26.71	276	78911	1.59	ng/ul	94

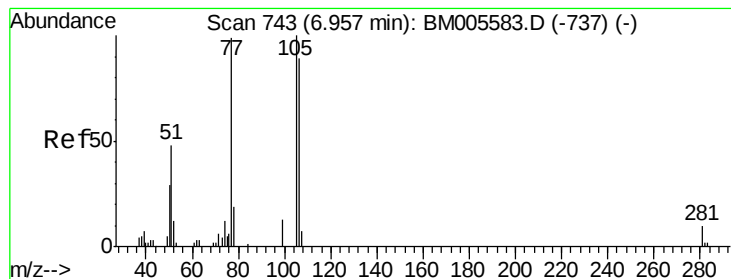
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 7.19 ng/ul

RT: 6.97 min Scan# 745

Delta R.T. 0.01 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

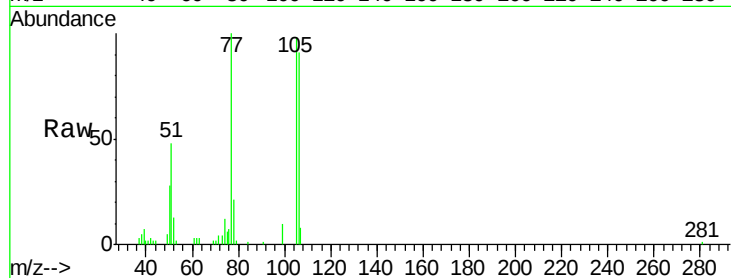
Tot Ion: 77 Resp: 58323

Ion Ratio Lower Upper

77 100

105 97.7 79.3 118.9

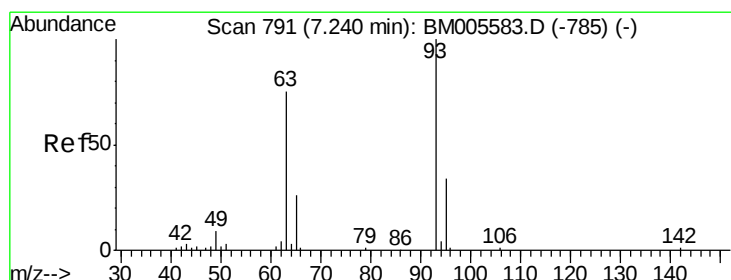
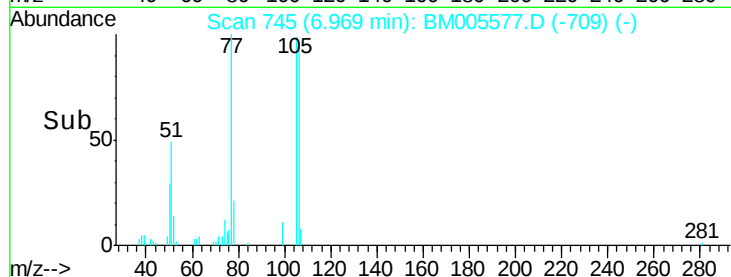
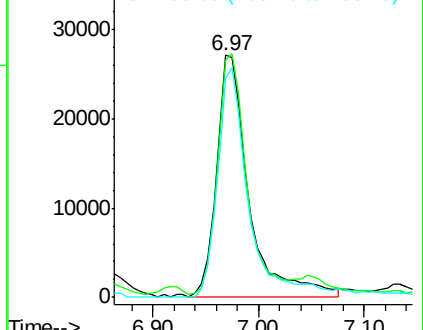
106 90.8 75.2 112.8



Abundance Ion 77.00 (76.70 to 77.70): BM005577.D (-737) (-)

Ion 105.00 (104.70 to 105.70): BM005577.D (-737) (-)

Ion 106.00 (105.70 to 106.70): BM005577.D (-737) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 1.63 ng/ul

RT: 7.27 min Scan# 796

Delta R.T. 0.03 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

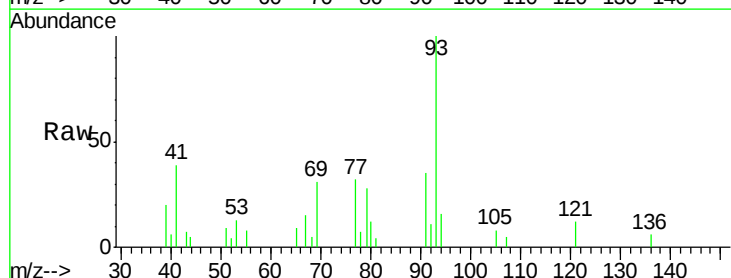
Tgt Ion: 93 Resp: 15819

Ion Ratio Lower Upper

93 100

63 0.0 60.2 90.4#

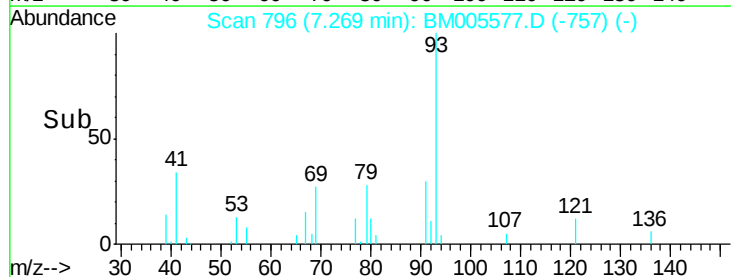
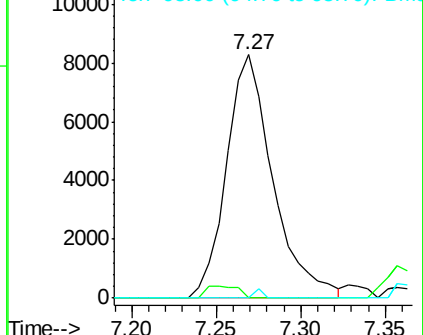
95 0.0 24.1 36.1#

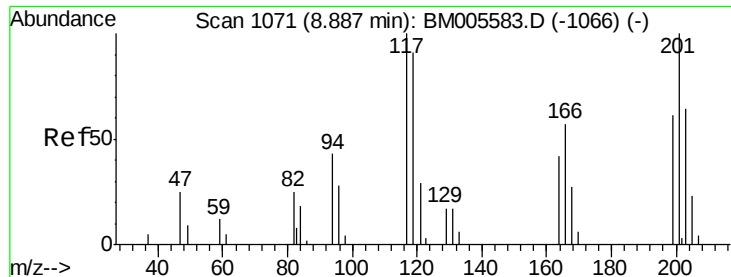


Abundance Ion 93.00 (92.70 to 93.70): BM005577.D (-757) (-)

Ion 63.00 (62.70 to 63.70): BM005577.D (-757) (-)

Ion 95.00 (94.70 to 95.70): BM005577.D (-757) (-)

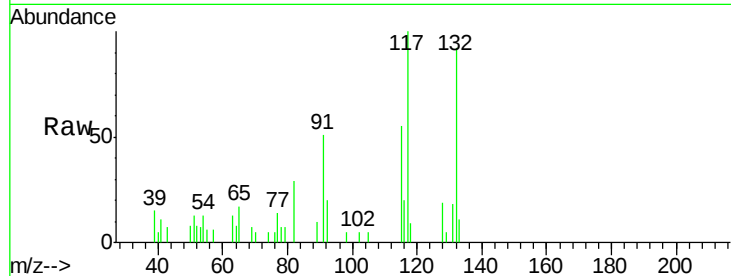




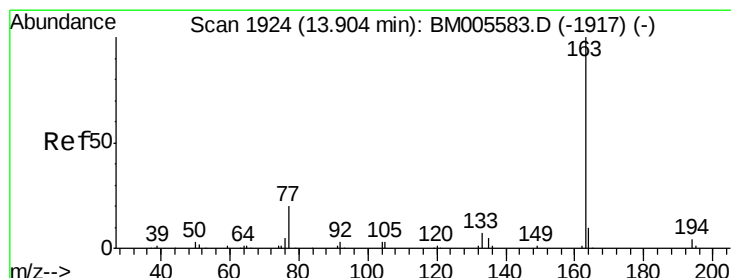
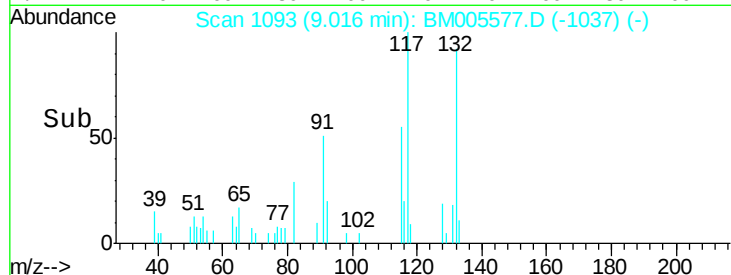
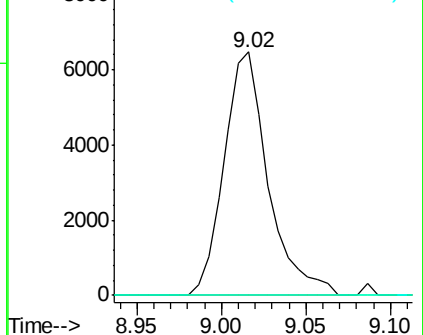
#17
Hexachloroethane
Concen: 2.81 ng/ul
RT: 9.02 min Scan# 1093
Delta R.T. 0.13 min
Lab File: BM005577.D
Acq: 22 May 2016 07:15

Instrument :
BNA_M
ClientSampleId :

Tot Ion:117 Resp: 11766
Ion Ratio Lower Upper
117 100
201 0.0 84.8 127.2#
199 0.0 50.5 75.7#

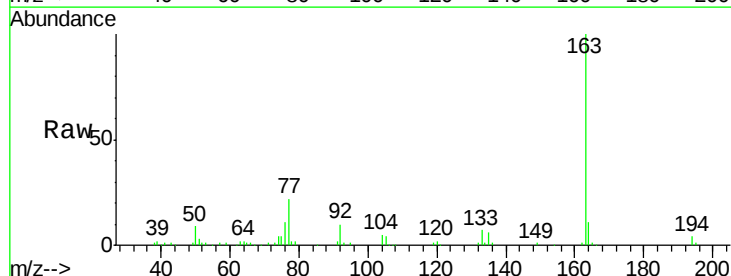


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

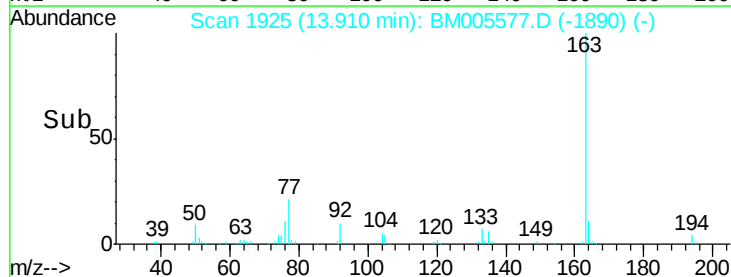
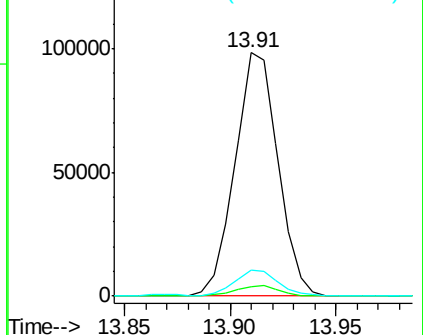


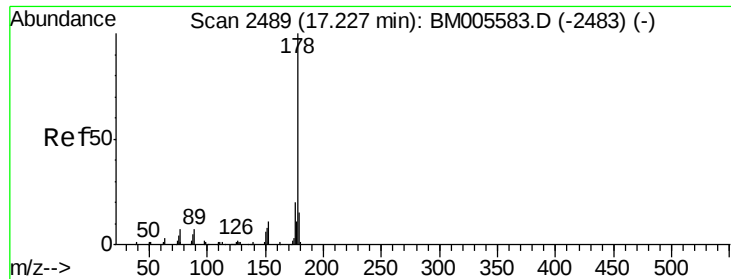
#44
Dimethylphthalate
Concen: 4.72 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. 0.01 min
Lab File: BM005577.D
Acq: 22 May 2016 07:15

Tgt Ion:163 Resp: 138741
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#69

Phenanthrene

Concen: 3.59 ng/ul

RT: 17.24 min Scan# 2492

Delta R.T. 0.02 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampled :

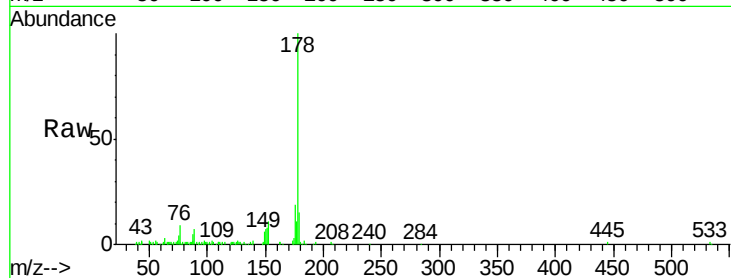
Tot Ion:178 Resp: 158559

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

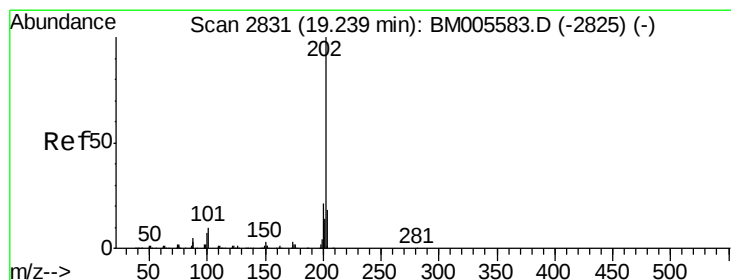
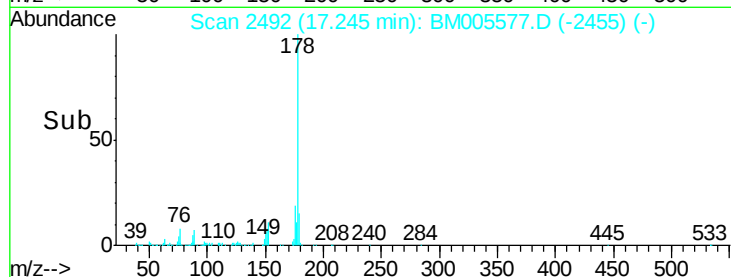
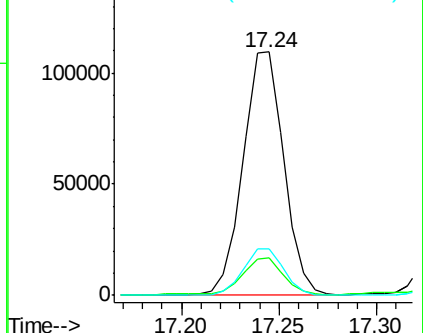
176 19.3 15.8 23.6



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



#74

Fluoranthene

Concen: 5.00 ng/ul

RT: 19.26 min Scan# 2834

Delta R.T. 0.02 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

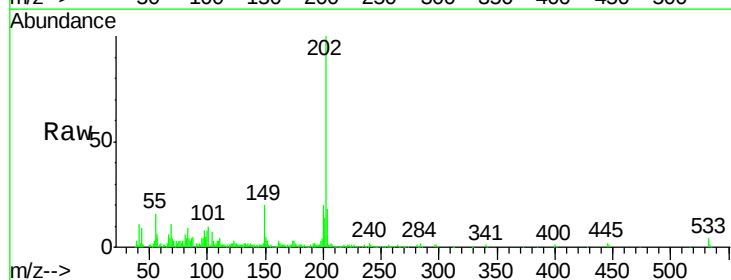
Tgt Ion:202 Resp: 248898

Ion Ratio Lower Upper

202 100

101 10.3 7.9 11.9

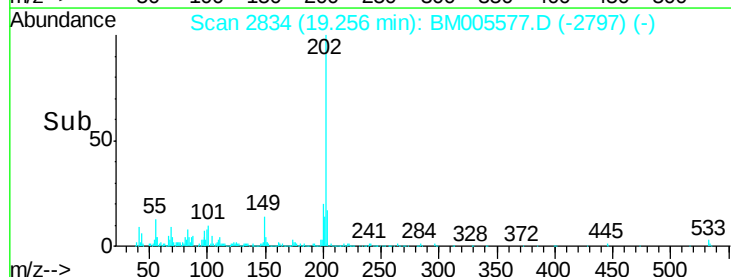
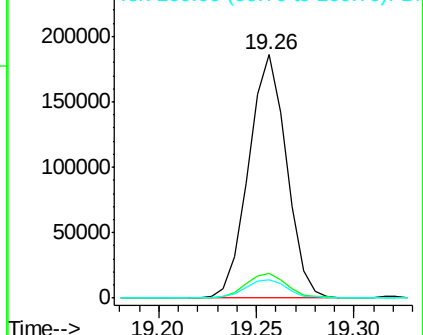
100 7.8 5.6 8.4

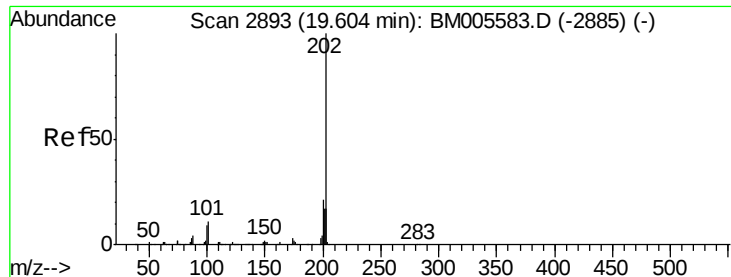


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 4.30 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. 0.02 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

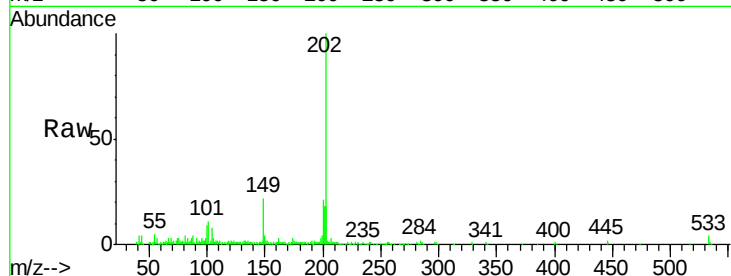
Tot Ion:202 Resp: 202641

Ion Ratio Lower Upper

202 100

101 11.2 9.6 14.4

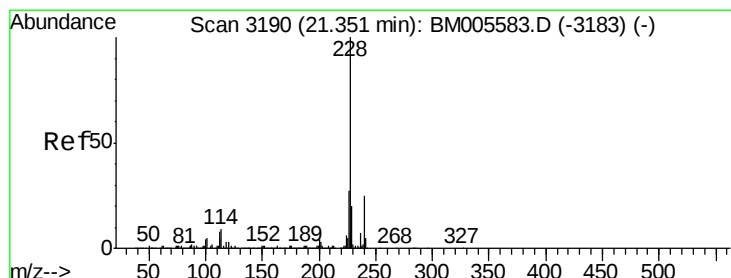
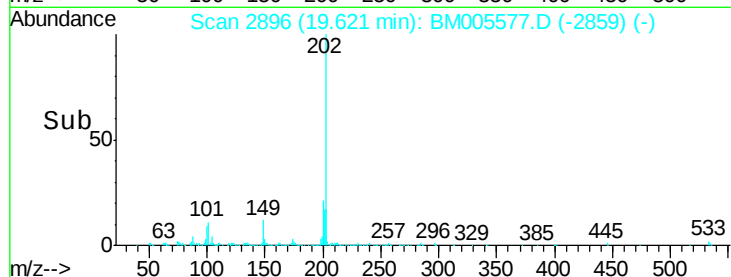
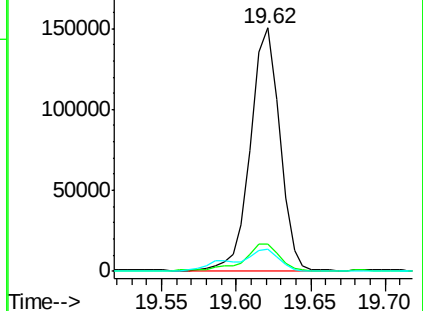
100 9.2 7.8 11.6



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): E



#80

Benzo(a)anthracene

Concen: 2.37 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

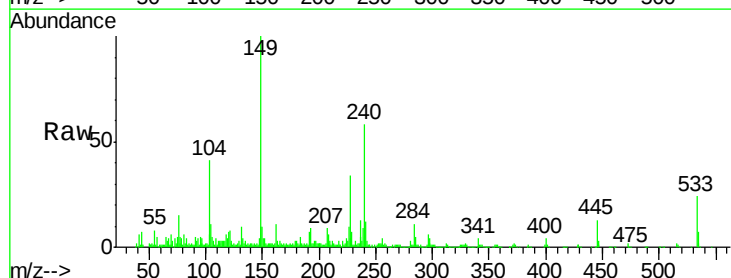
Tgt Ion:228 Resp: 113992

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.2

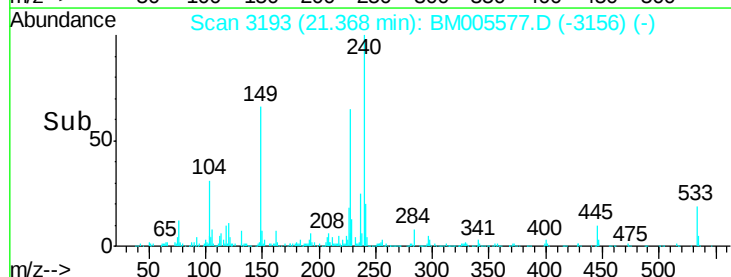
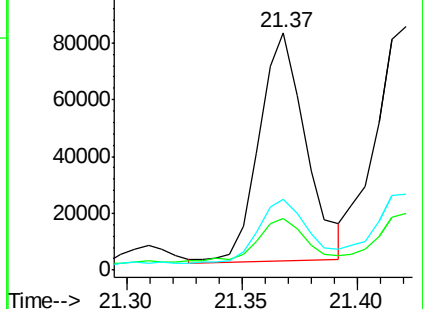
226 30.1 21.0 31.4

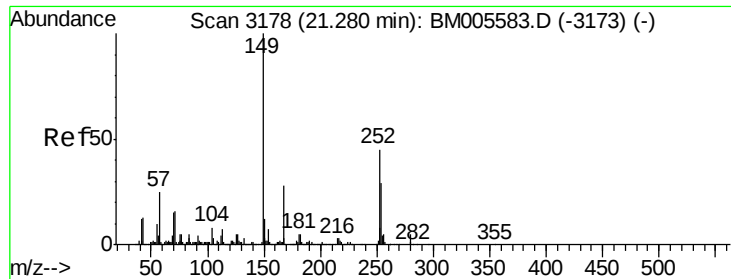


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 24.22 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.08 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

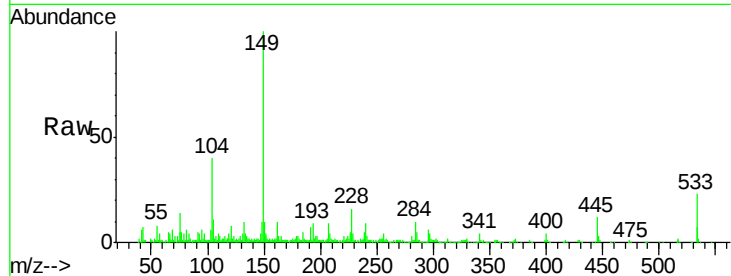
Tot Ion:149 Resp: 679532

Ion Ratio Lower Upper

149 100

167 1.4 22.0 33.0#

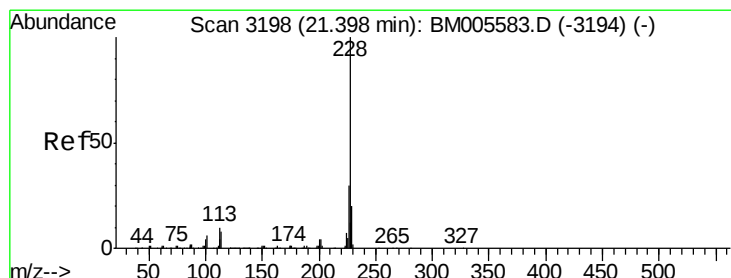
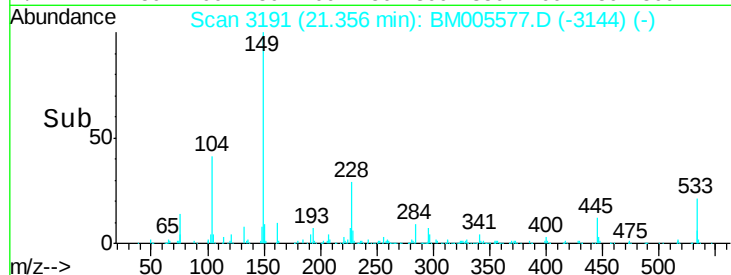
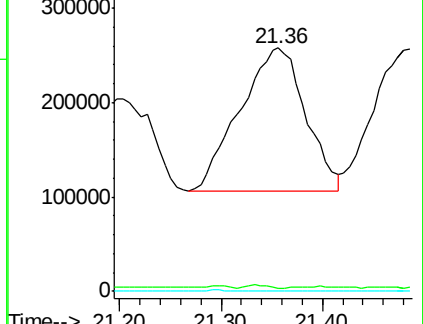
279 0.4 3.8 5.8#



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: 2.55 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. -0.03 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

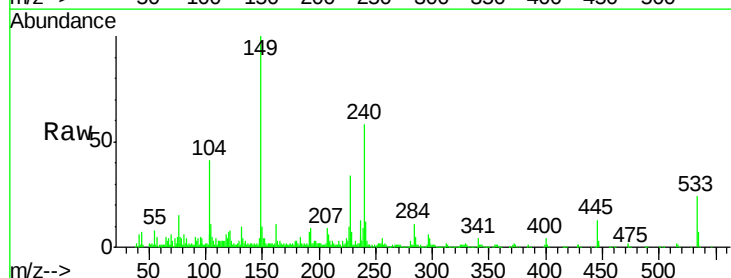
Tgt Ion:228 Resp: 116964

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

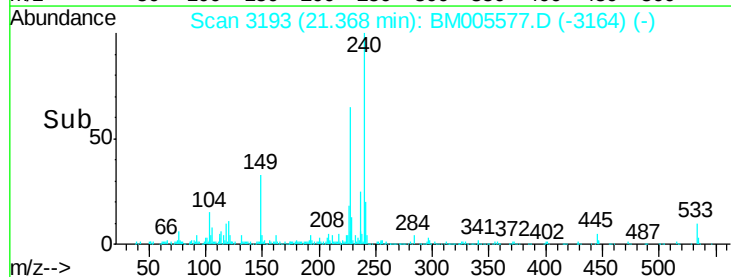
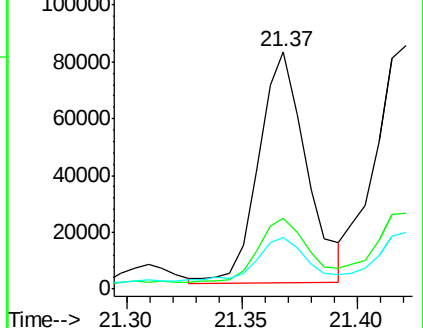
229 21.9 15.5 23.3

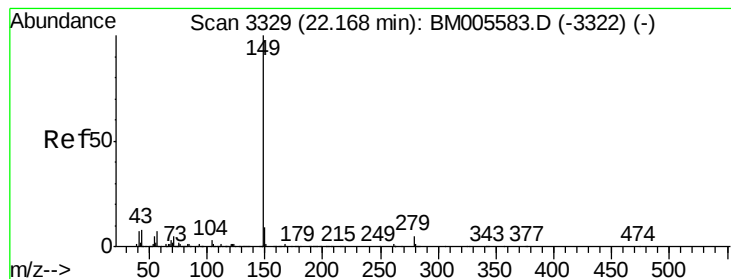


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 1.94 ng/ul

RT: 22.19 min Scan# 3333

Delta R.T. 0.02 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

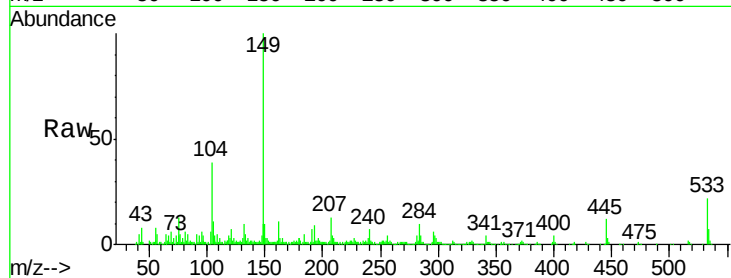
Tot Ion:149 Resp: 96772

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

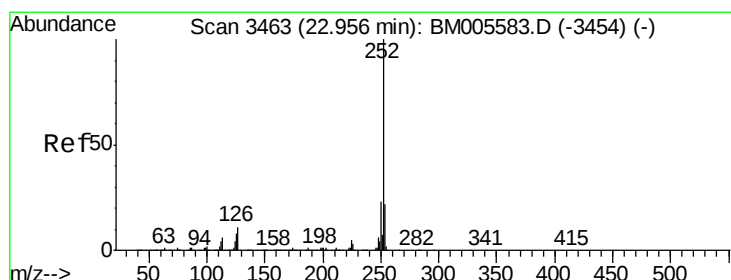
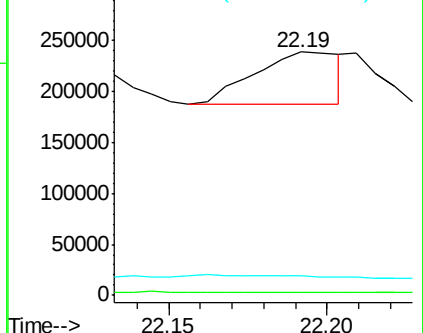
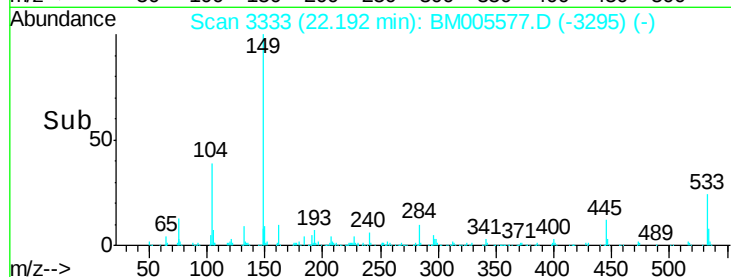
43 8.1 7.4 11.0



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: 3.39 ng/ul

RT: 22.99 min Scan# 3468

Delta R.T. 0.03 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

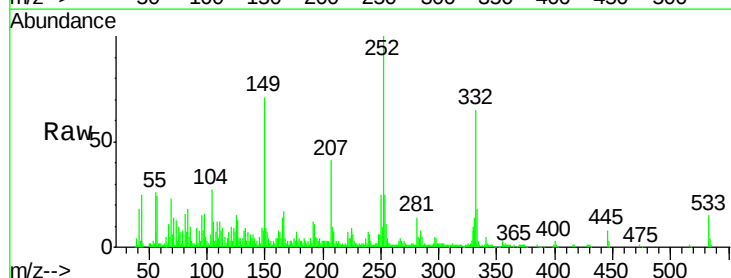
Tgt Ion:252 Resp: 174223

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

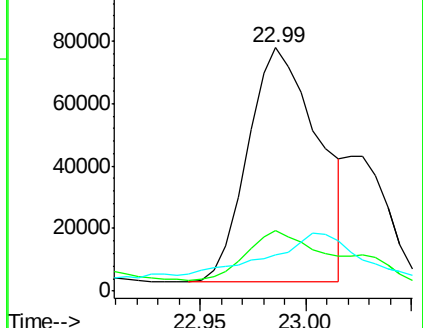
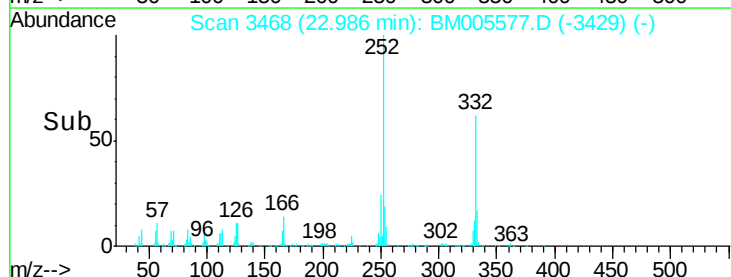
125 14.9 7.0 10.4#

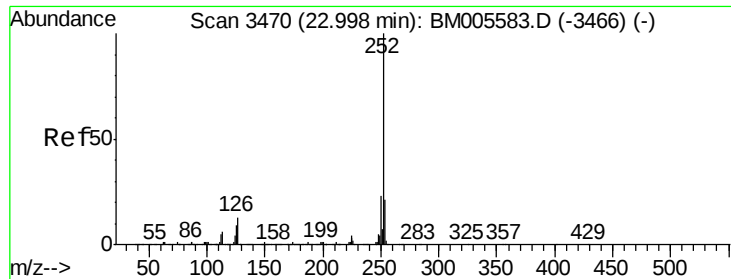


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.59 ng/ul

RT: 22.99 min Scan# 3468

Delta R.T. -0.01 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

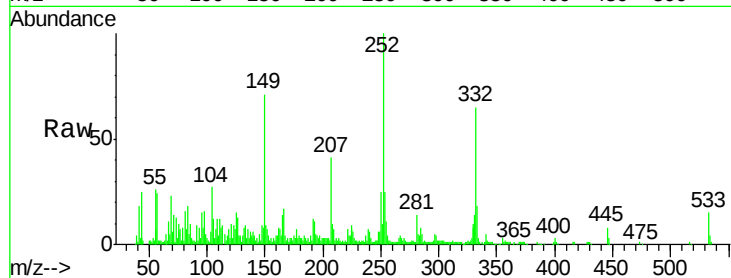
Tot Ion:252 Resp: 174223

Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

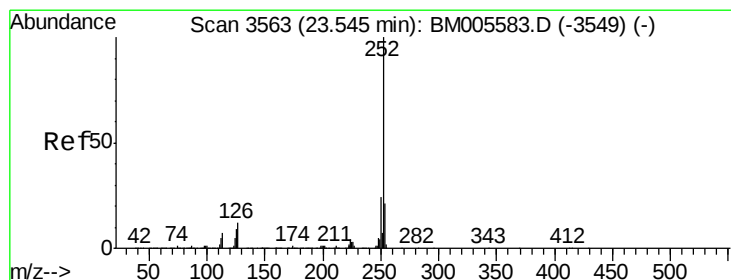
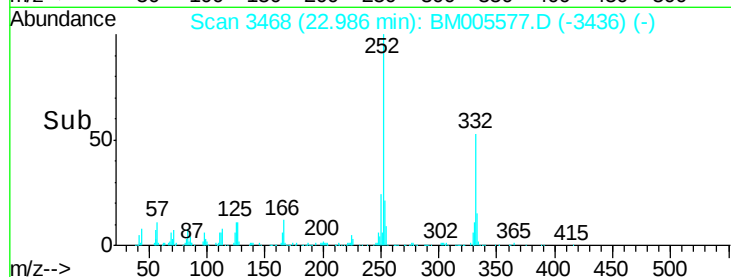
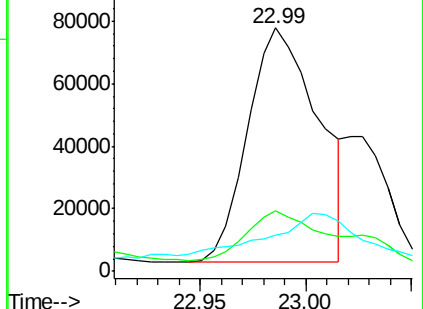
125 14.9 7.0 10.6#



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



#88

Benzo(a)pyrene

Concen: 2.29 ng/ul

RT: 23.57 min Scan# 3568

Delta R.T. 0.03 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

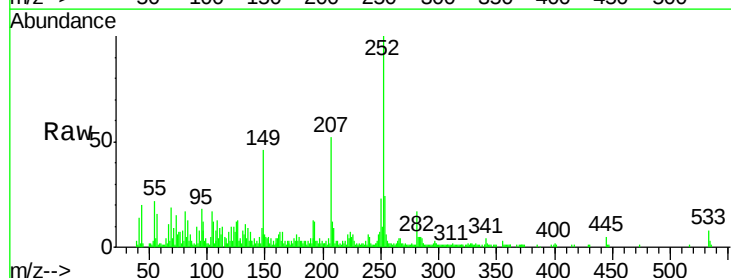
Tgt Ion:252 Resp: 113831

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

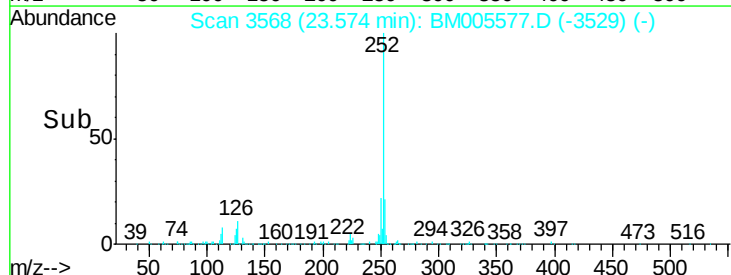
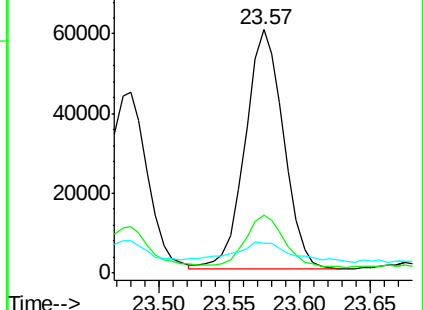
125 12.1 7.6 11.4#

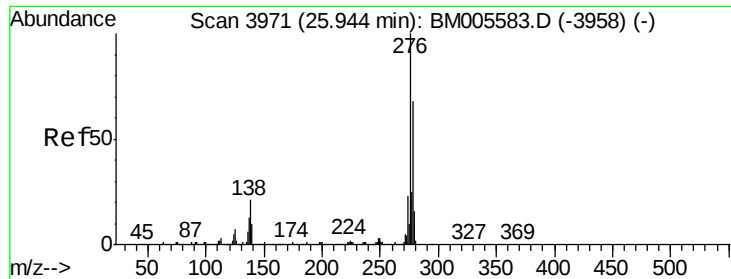


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.56 ng/ul

RT: 26.00 min Scan# 3980

Delta R.T. 0.05 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

Instrument :

BNA_M

ClientSampleId :

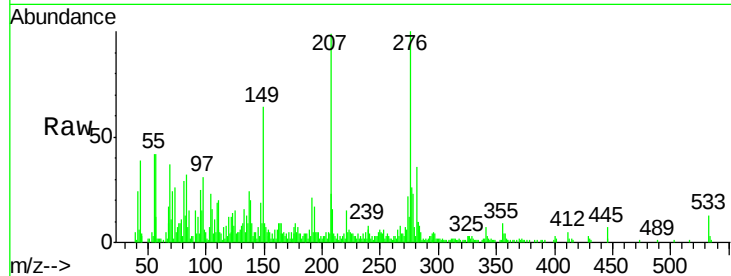
Tot Ion:276 Resp: 92527

Ion Ratio Lower Upper

276 100

138 20.2 16.9 25.3

277 25.7 20.2 30.4

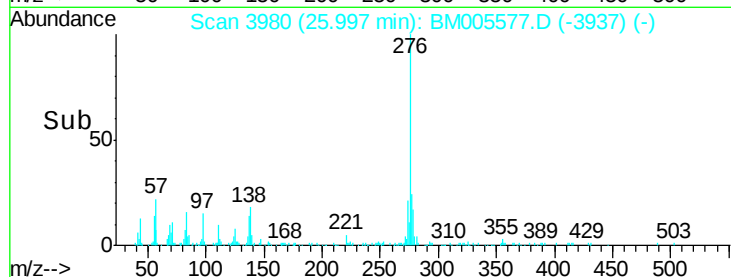


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

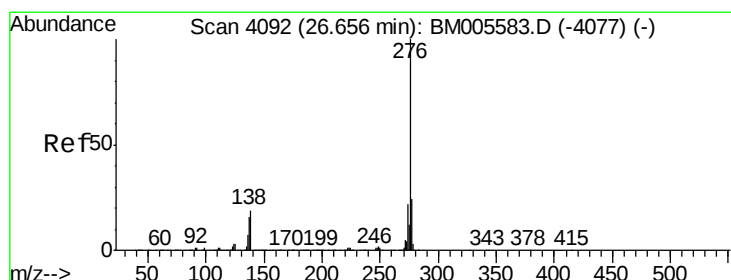
Ion 277.00 (276.70 to 277.70): E

Time-->



Abundance

Time-->



#91

Benzo(g,h,i)perylene

Concen: 1.59 ng/ul

RT: 26.71 min Scan# 4101

Delta R.T. 0.05 min

Lab File: BM005577.D

Acq: 22 May 2016 07:15

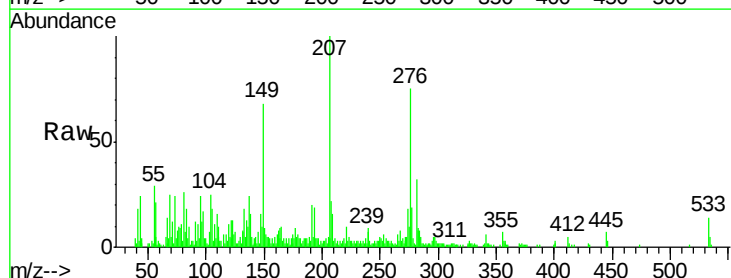
Tgt Ion:276 Resp: 78911

Ion Ratio Lower Upper

276 100

138 21.8 15.0 22.6

277 26.1 18.6 28.0

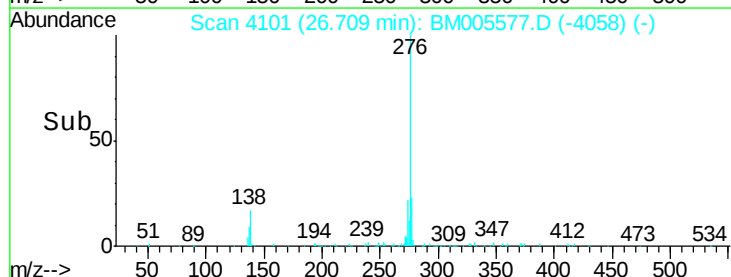


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Abundance

Time-->