

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012599.D
 Acq On : 31 Oct 2017 06:33
 Operator : SJ/JU
 Sample : I5786-11
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 08:46:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 04:46:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	354958	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1372709	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	808825	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1820419	20.00	ng/ul	0.01
75) Chrysene-d12	21.42	240	2271038	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	2577191	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	37099	5.34	ng/uL	0.00
5) Phenol-d5	7.03	99	1141040	38.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	832289	47.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	659227	29.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	874601	34.51	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	563778	65.58	ng/ul	0.01
22) 2-Nitrophenol-d4	9.74	143	323639	36.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	636848	27.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	1107713	44.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	3457409	48.93	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	4490544	53.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	278521	26.52	ng/ul	0.01
57) Fluorene-d10	15.49	176	3107976	51.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	90315	10.25	ng/ul	0.01
70) Anthracene-d10	17.34	188	4808445	55.43	ng/ul	0.01
76) Pyrene-d10	19.63	212	5371171	51.55	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	6660715	54.40	ng/ul	0.05

Target Compounds

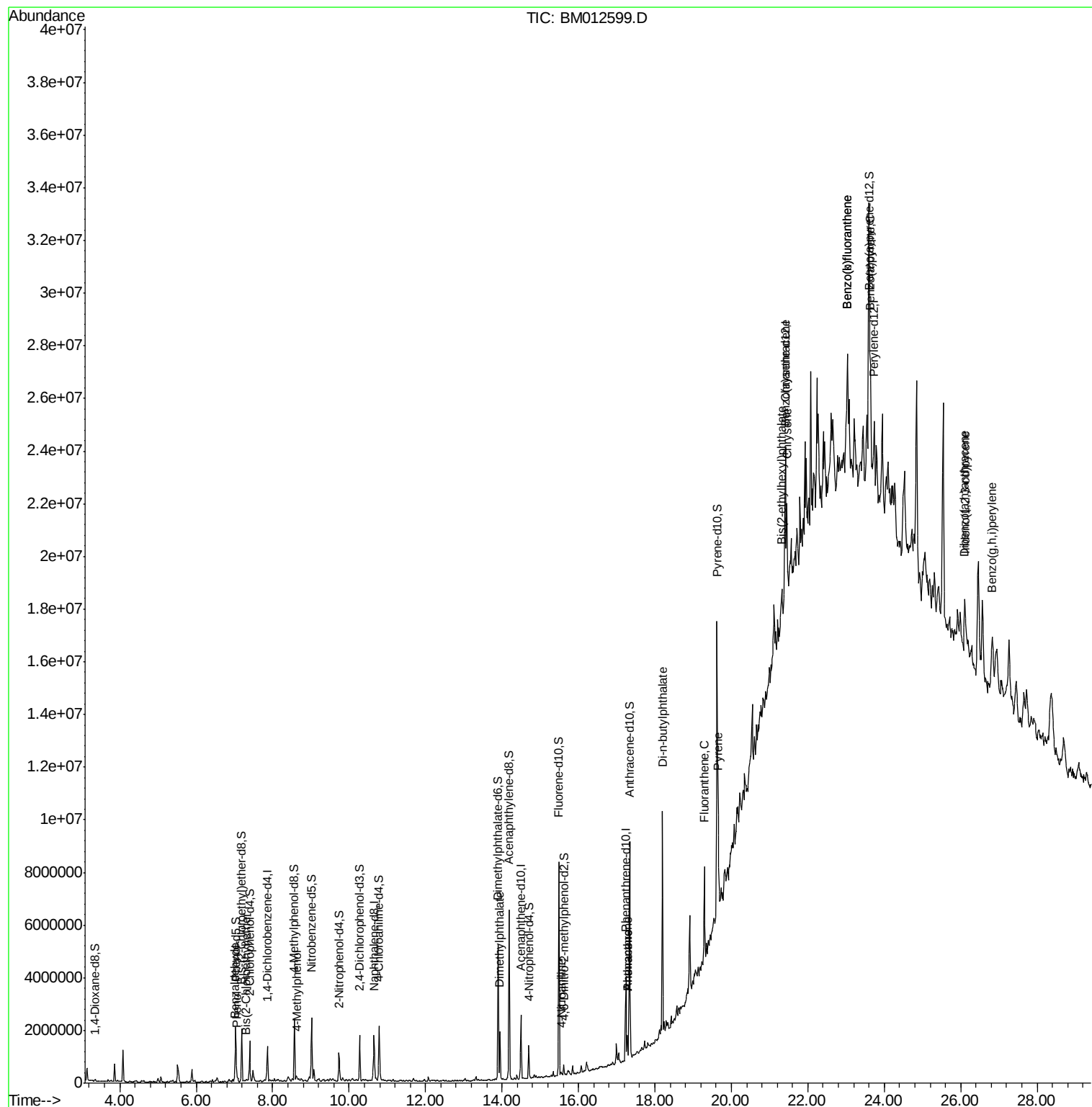
						Ovalue
4) Benzaldehyde	7.01	77	20867	1.29	ng/ul#	52
6) Phenol	7.06	94	96599	3.13	ng/ul#	82
8) Bis(2-Chloroethyl)ether	7.30	93	27027	1.19	ng/ul#	31
16) 4-Methylphenol	8.63	108	45859	1.80	ng/ul	97
44) Dimethylphthalate	13.95	163	1109756	15.88	ng/ul	99
60) 4-Nitroaniline	15.56	138	14729	1.13	ng/ul	90
69) Phenanthrene	17.28	178	567471	5.76	ng/ul	99
71) Anthracene	17.28	178	567471	5.58	ng/ul	99
73) Di-n-butylphthalate	18.20	149	6241561	58.07	ng/ul#	97
74) Fluoranthene	19.29	202	1971419	17.67	ng/ul#	91
77) Pyrene	19.66	202	1987086	15.39	ng/ul#	92
80) Benzo(a)anthracene	21.40	228	1669694	12.28	ng/ul#	91
81) Bis(2-ethylhexyl)phthalate	21.33	149	159685	2.06	ng/ul#	69
82) Chrysene	21.45	228	1887806	15.61	ng/ul#	91
85) Benzo(b)fluoranthene	23.04	252	3505114	22.00	ng/ul#	78
86) Benzo(k)fluoranthene	23.04	252	3505114	23.38	ng/ul#	76
88) Benzo(a)pyrene	23.64	252	2523270	16.61	ng/ul#	85
89) Indeno(1,2,3-cd)pyrene	26.10	276	2203267	12.32	ng/ul#	90
90) Dibenzo(a,h)anthracene	26.10	278	590823	3.90	ng/ul#	47
91) Benzo(g,h,i)perylene	26.83	276	1971776	13.61	ng/ul#	87

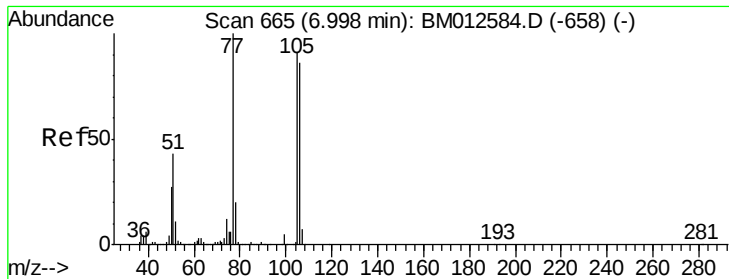
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.29 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

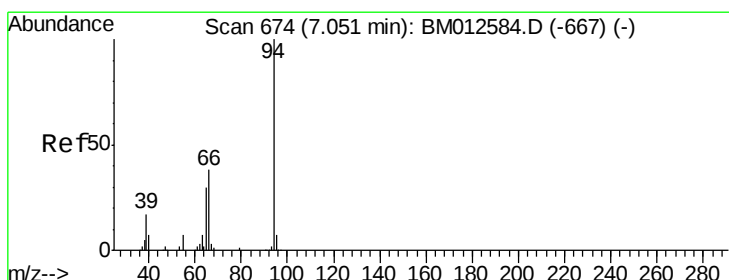
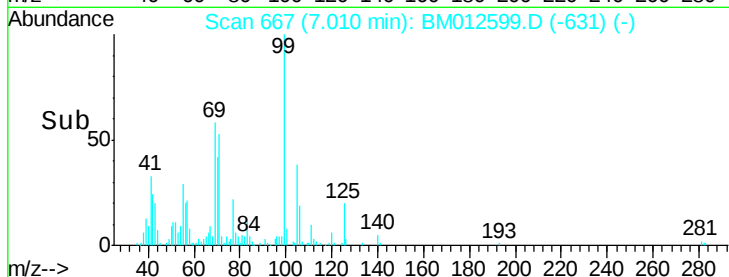
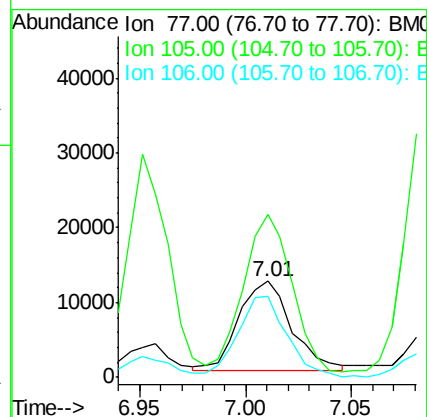
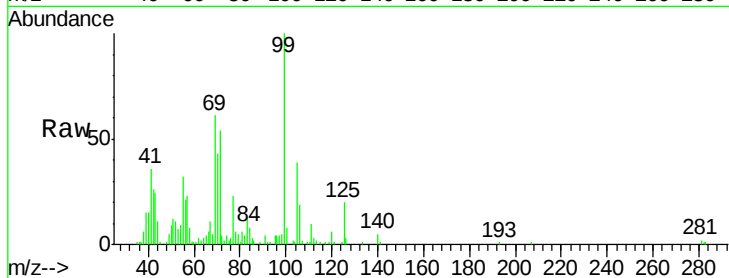
Tot Ion: 77 Resp: 20867

Ion Ratio Lower Upper

77 100

105 169.7 66.1 99.1#

106 84.9 67.8 101.6



#6

Phenol

Concen: 3.13 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

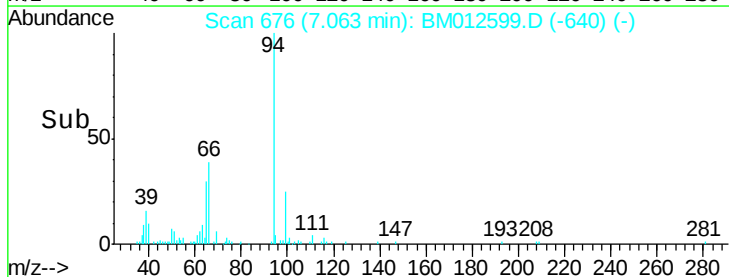
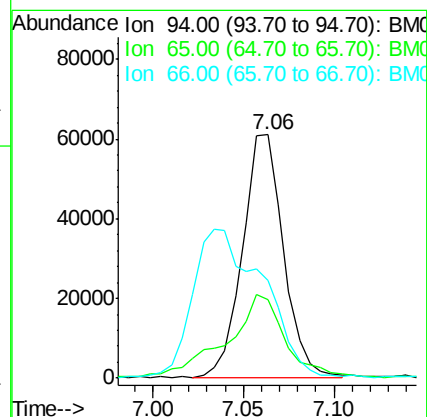
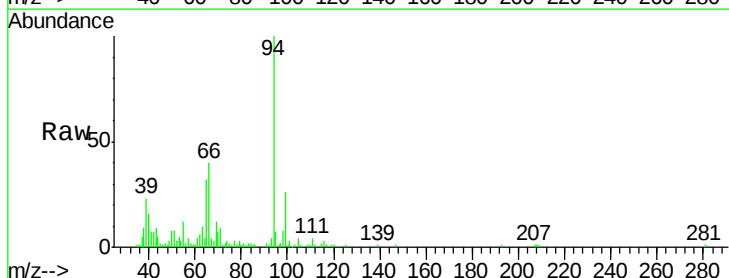
Tgt Ion: 94 Resp: 96599

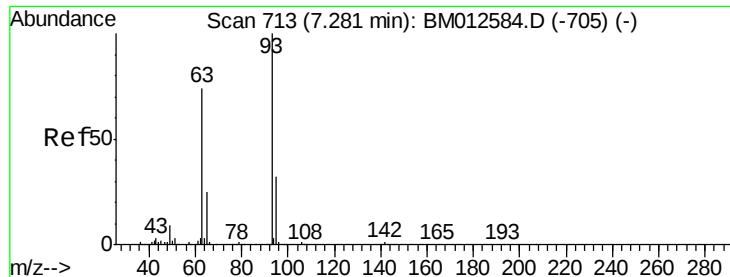
Ion Ratio Lower Upper

94 100

65 32.3 28.2 42.4

66 40.0 47.2 70.8#





#8

Bis(2-Chloroethyl)ether

Concen: 1.19 ng/ul

RT: 7.30 min Scan# 717

Delta R.T. 0.02 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

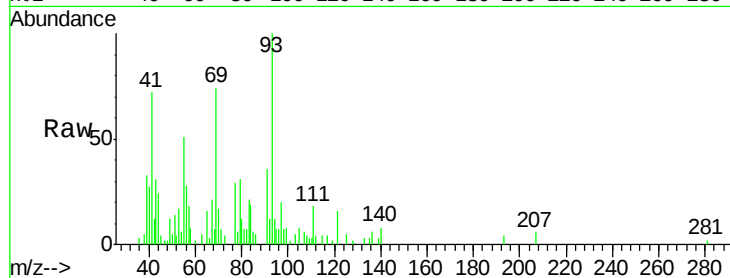
Tot Ion: 93 Resp: 27027

Ion Ratio Lower Upper

93 100

63 5.2 57.3 85.9#

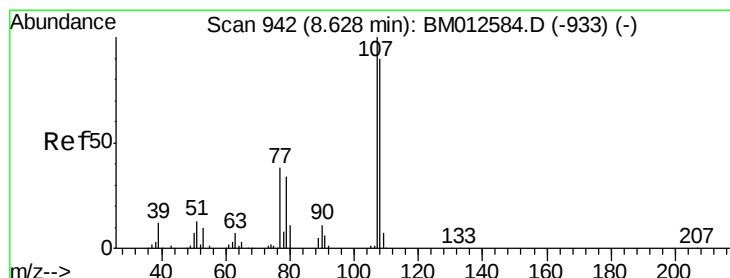
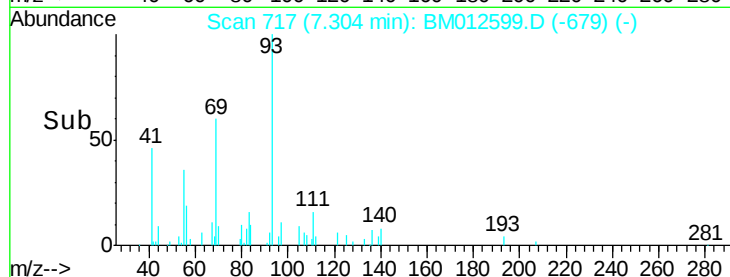
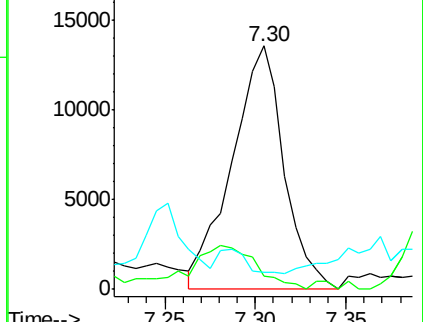
95 7.2 26.6 39.8#



Abundance Ion 93.00 (92.70 to 93.70): BM012584.D (-705) (-)

Ion 63.00 (62.70 to 63.70): BM012584.D (-705) (-)

Ion 95.00 (94.70 to 95.70): BM012584.D (-705) (-)



#16

4-Methylphenol

Concen: 1.80 ng/ul

RT: 8.63 min Scan# 943

Delta R.T. 0.01 min

Lab File: BM012599.D

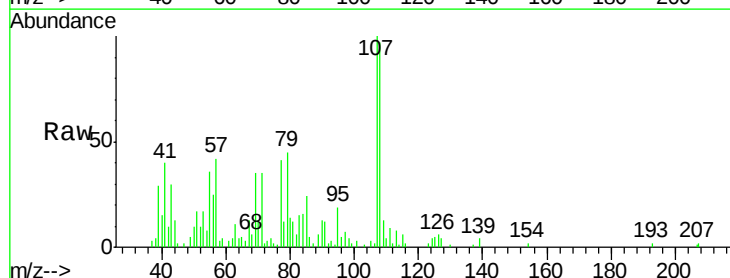
Acq: 31 Oct 2017 06:33

Tgt Ion:108 Resp: 45859

Ion Ratio Lower Upper

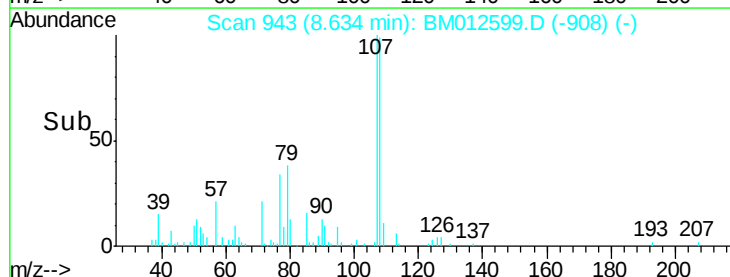
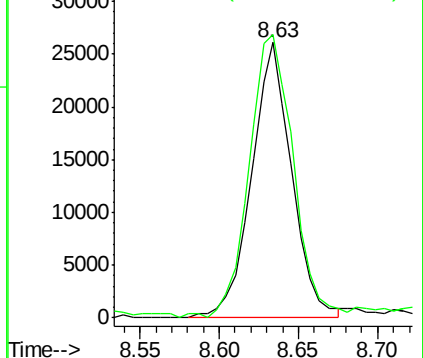
108 100

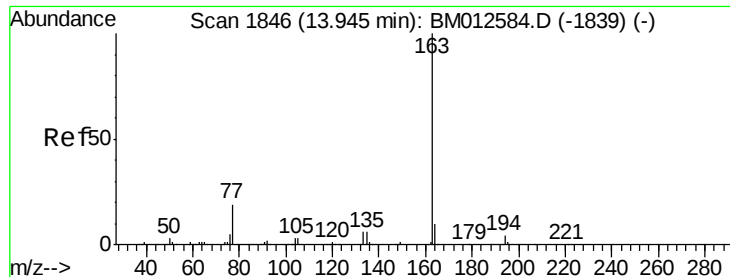
107 102.7 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): BM012584.D (-933) (-)

Ion 107.00 (106.70 to 107.70): BM012584.D (-933) (-)

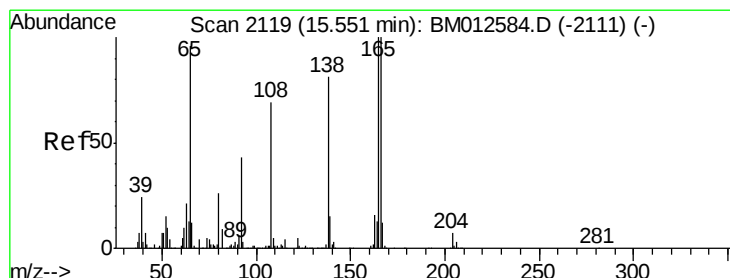
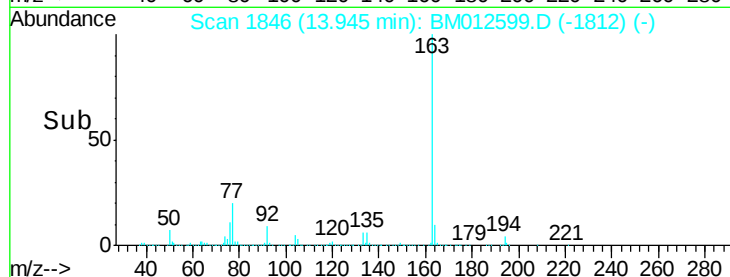
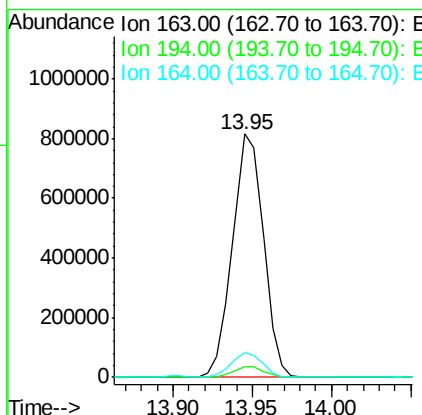
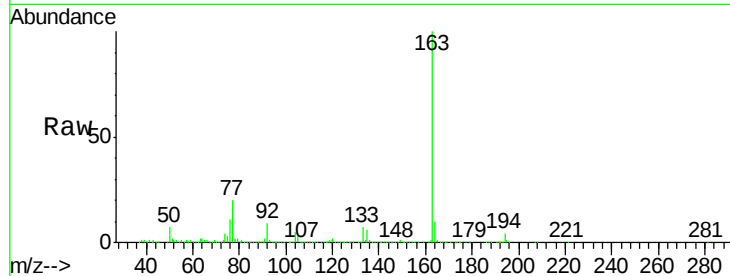




#44
Dimethylphthalate
Concen: 15.88 ng/ul
RT: 13.95 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

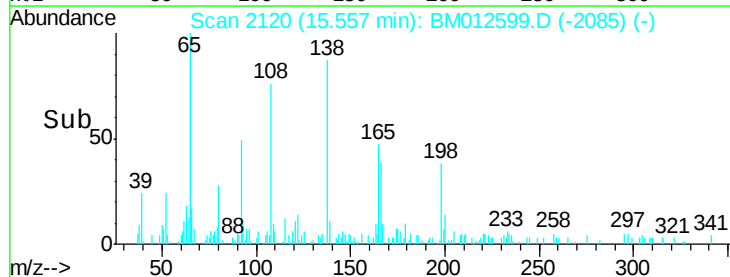
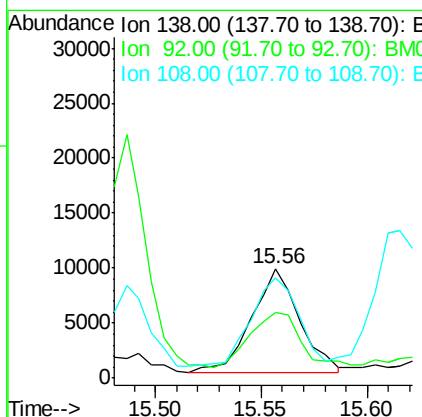
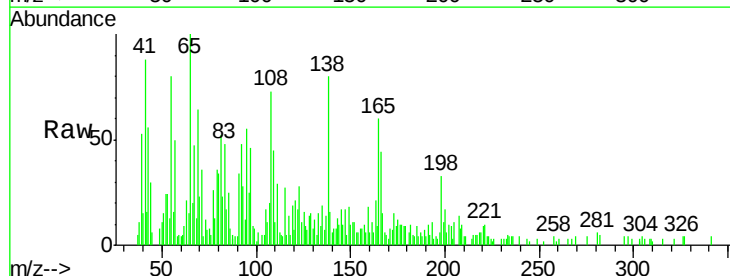
Instrument :
BNA_M
ClientSampled :

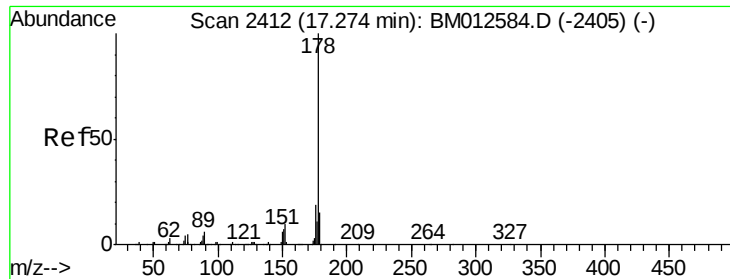
Tot Ion:163 Resp: 1109756
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.0 8.2 12.4



#60
4-Nitroaniline
Concen: 1.13 ng/ul
RT: 15.56 min Scan# 2120
Delta R.T. 0.01 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

Tgt Ion:138 Resp: 14729
Ion Ratio Lower Upper
138 100
92 59.3 40.0 60.0
108 91.2 80.0 120.0





#69

Phenanthrene

Concen: 5.76 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

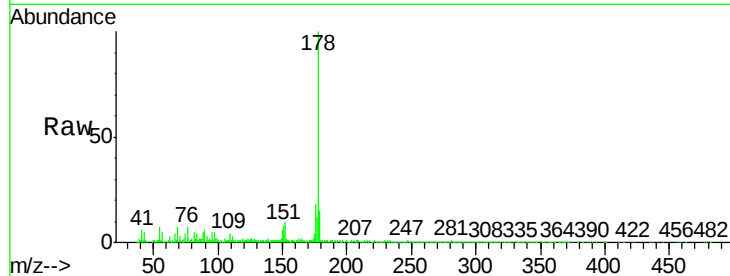
Tot Ion:178 Resp: 567471

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

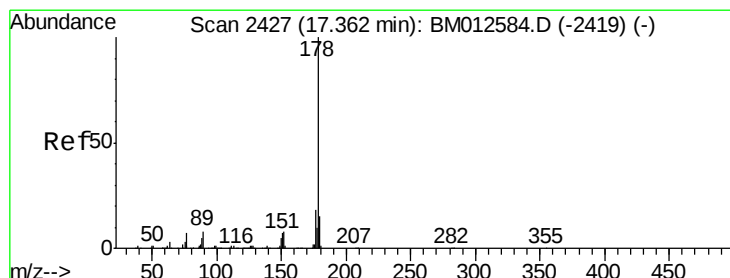
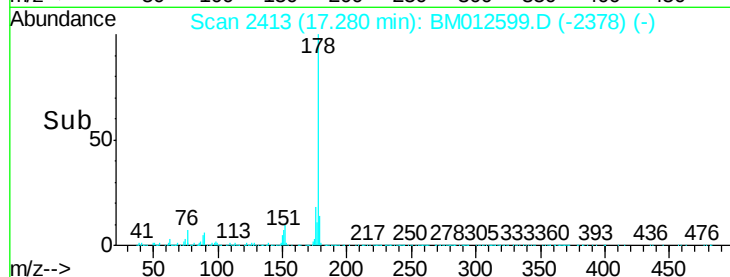
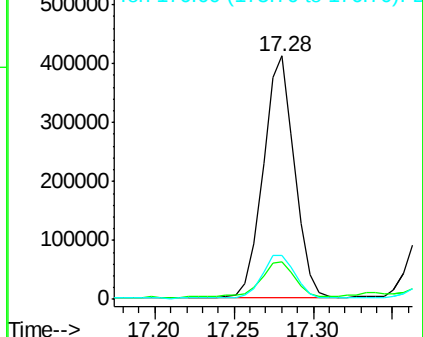
176 18.1 14.9 22.3



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: 5.58 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.08 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

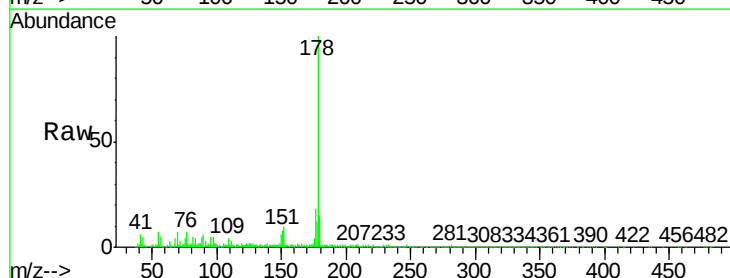
Tgt Ion:178 Resp: 567471

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

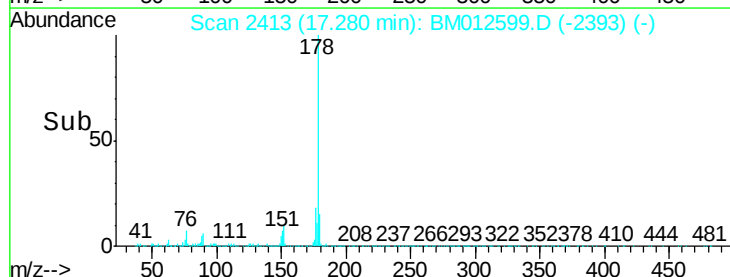
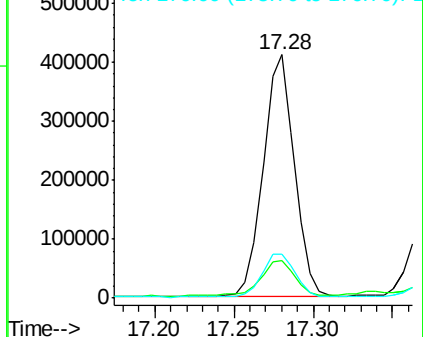
176 18.1 14.6 21.8

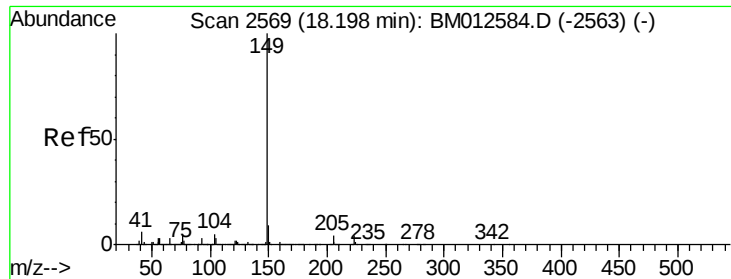


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

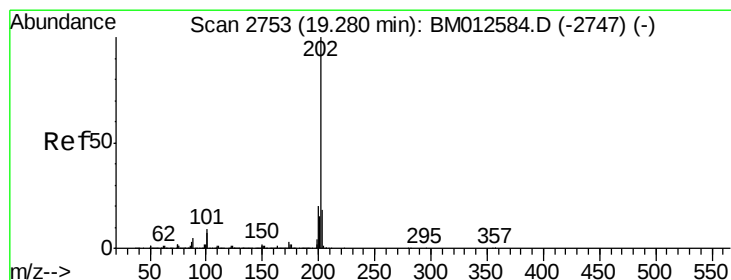
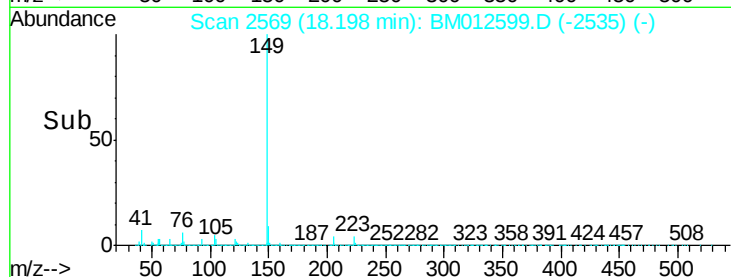
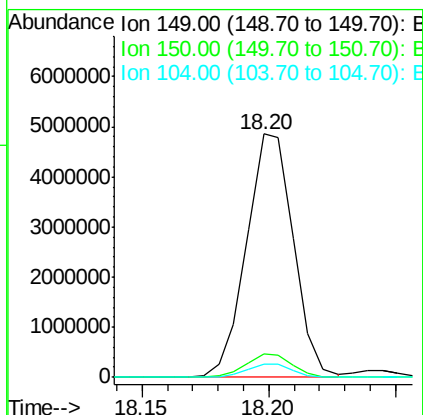
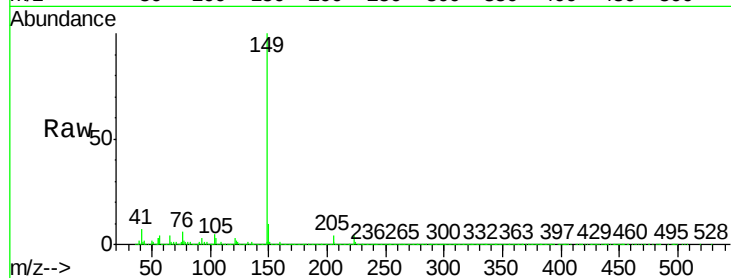




#73
Di-n-butylphthalate
Concen: 58.07 ng/ul
RT: 18.20 min Scan# 2569
Delta R.T. 0.00 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

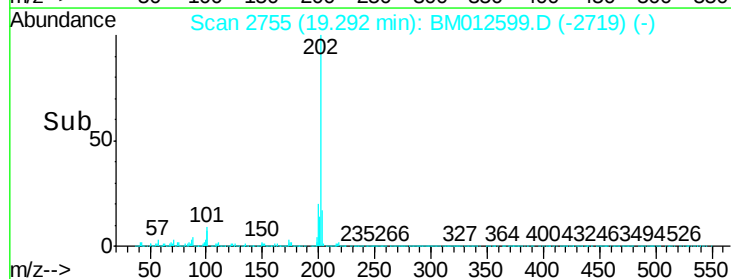
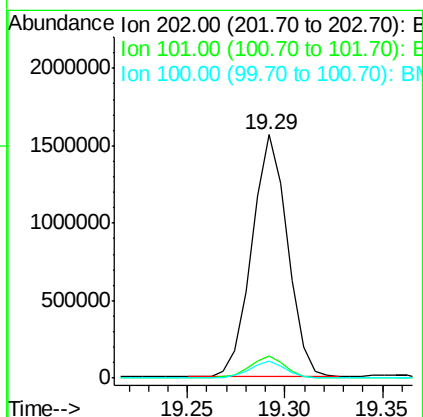
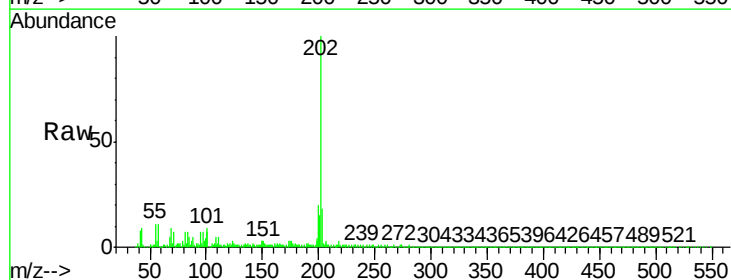
Instrument :
BNA_M
ClientSampleId :

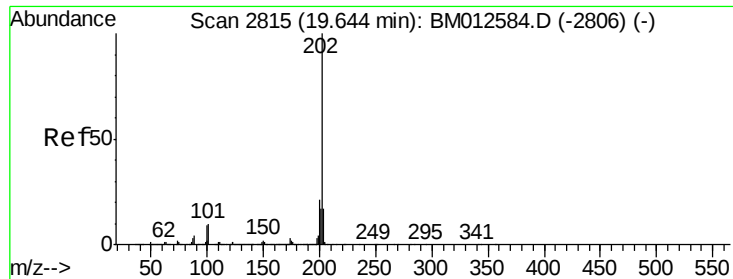
Tot Ion:149 Resp: 6241561
Ion Ratio Lower Upper
149 100
150 9.6 7.1 10.7
104 5.5 5.6 8.4#



#74
Fluoranthene
Concen: 17.67 ng/ul
RT: 19.29 min Scan# 2755
Delta R.T. 0.01 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

Tgt Ion:202 Resp: 1971419
Ion Ratio Lower Upper
202 100
101 9.0 4.6 7.0#
100 7.0 3.4 5.2#

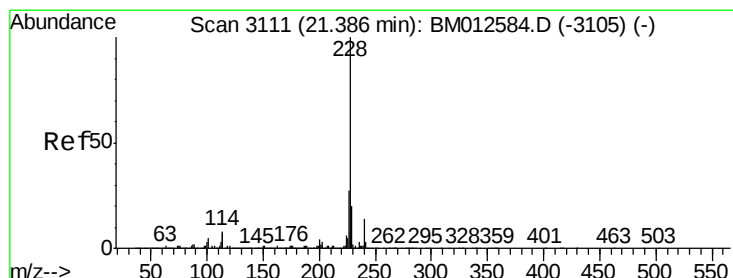
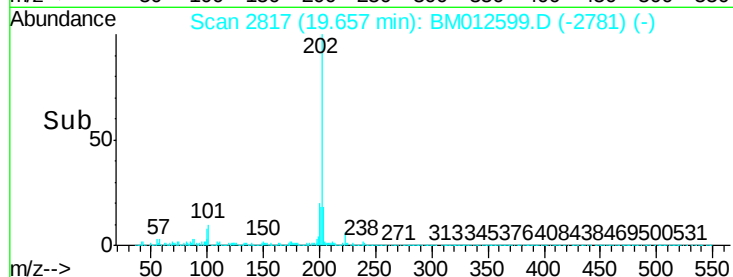
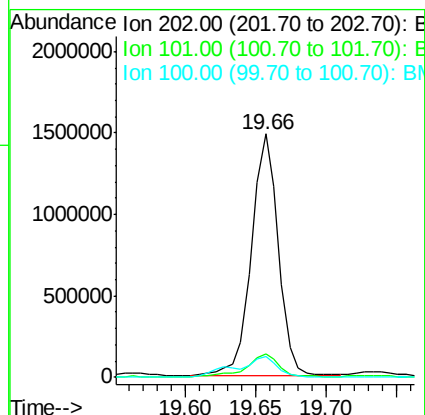
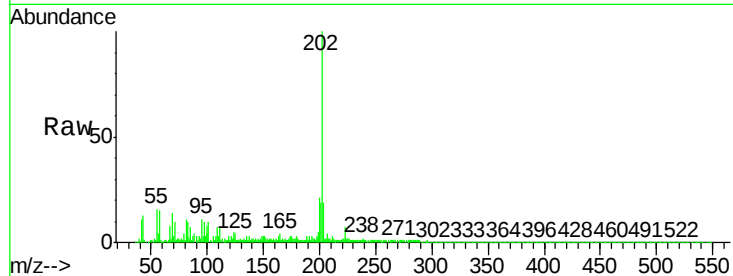




#77
Pvrene
Concen: 15.39 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.01 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

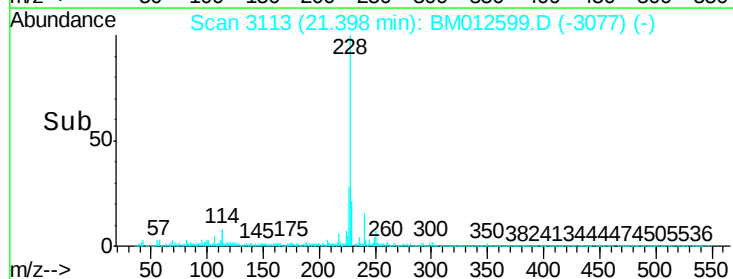
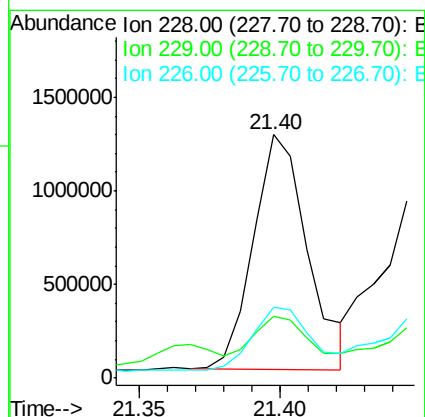
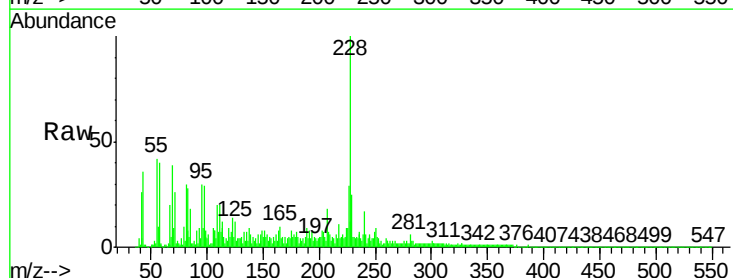
Instrument :
BNA_M
ClientSampleId :

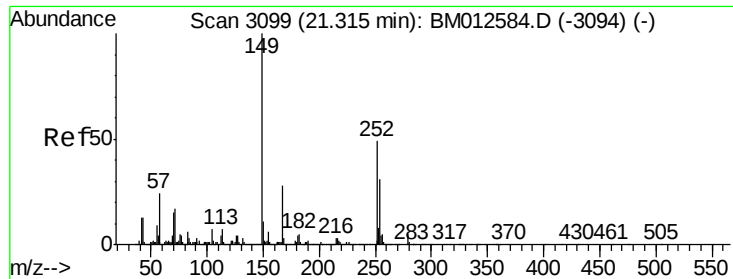
Tot Ion:202 Resp: 1987086
Ion Ratio Lower Upper
202 100
101 9.6 5.1 7.7#
100 8.4 4.9 7.3#



#80
Benzo(a)anthracene
Concen: 12.28 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.01 min
Lab File: BM012599.D
Acq: 31 Oct 2017 06:33

Tgt Ion:228 Resp: 1669694
Ion Ratio Lower Upper
228 100
229 25.4 15.4 23.0#
226 29.3 21.4 32.0

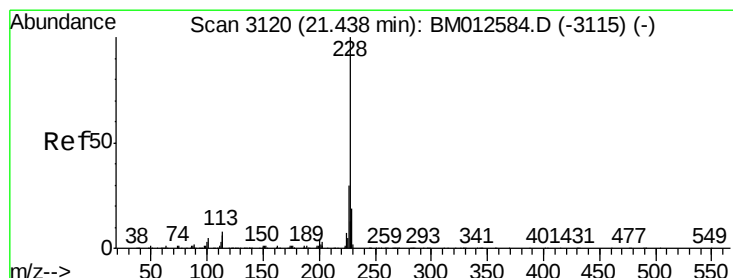
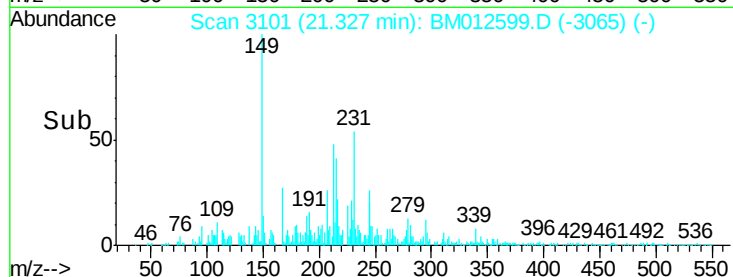
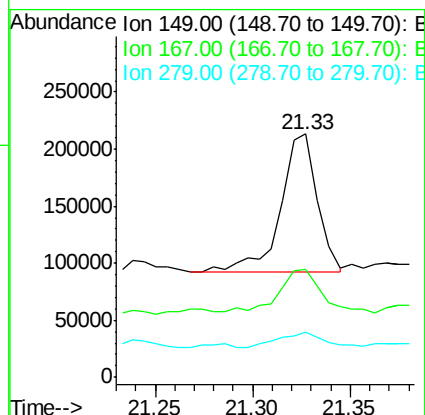
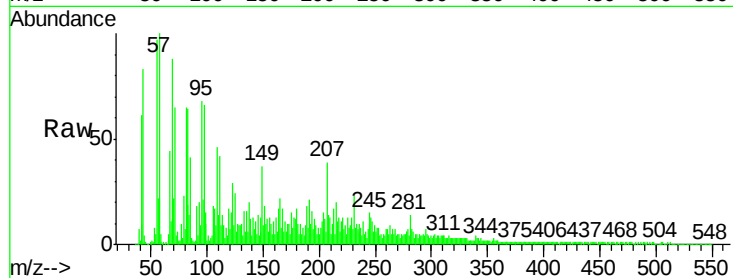




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.06 ng/ul
 RT: 21.33 min Scan# 3101
 Delta R.T. 0.01 min
 Lab File: BM012599.D
 Acq: 31 Oct 2017 06:33

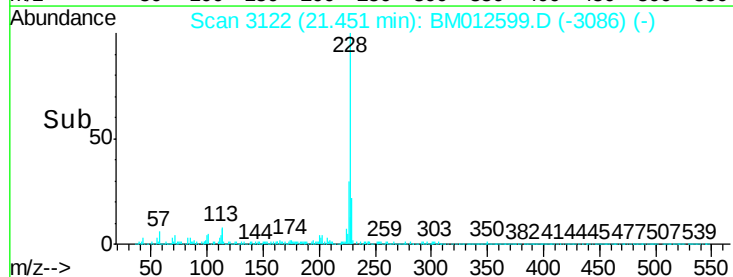
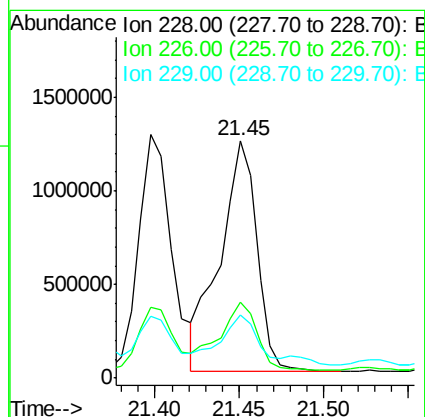
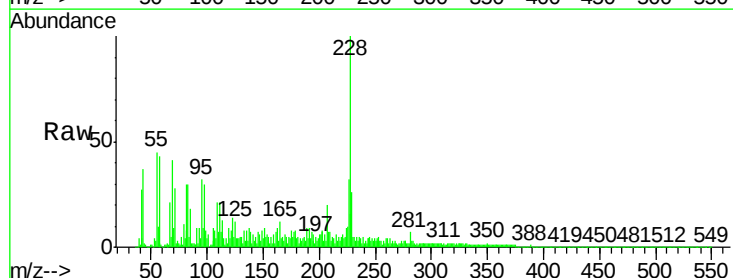
Instrument :
 BNA_M
 ClientSampleId :

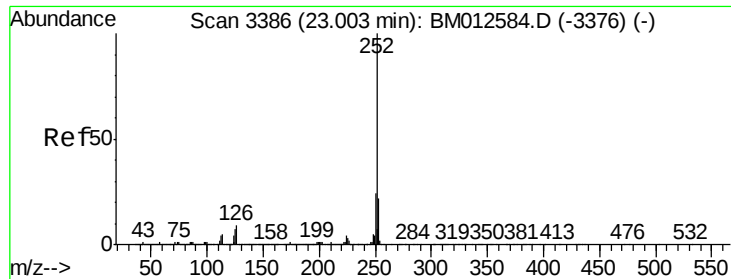
Tot Ion:149 Resp: 159685
 Ion Ratio Lower Upper
 149 100
 167 44.1 22.8 34.2#
 279 18.5 4.9 7.3#



#82
 Chrysene
 Concen: 15.61 ng/ul
 RT: 21.45 min Scan# 3122
 Delta R.T. 0.01 min
 Lab File: BM012599.D
 Acq: 31 Oct 2017 06:33

Tgt Ion:228 Resp: 1887806
 Ion Ratio Lower Upper
 228 100
 226 31.8 23.4 35.2
 229 26.4 15.5 23.3#





#85

Benzo(b)fluoranthene

Concen: 22.00 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.04 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

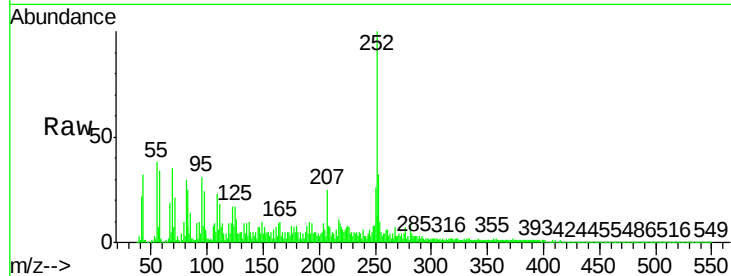
Tot Ion:252 Resp: 3505114

Ion Ratio Lower Upper

252 100

253 31.6 17.9 26.9#

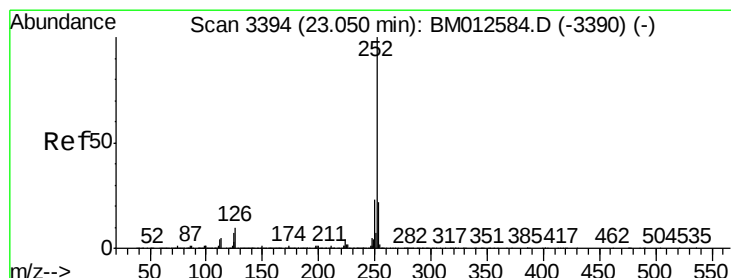
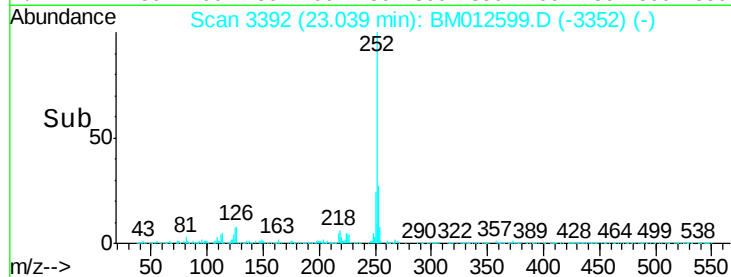
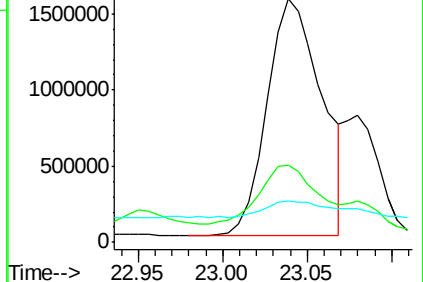
125 16.8 3.6 5.4#



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: 23.38 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.01 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

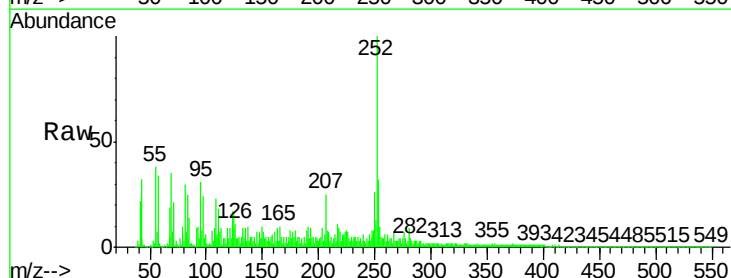
Tgt Ion:252 Resp: 3505114

Ion Ratio Lower Upper

252 100

253 31.6 17.1 25.7#

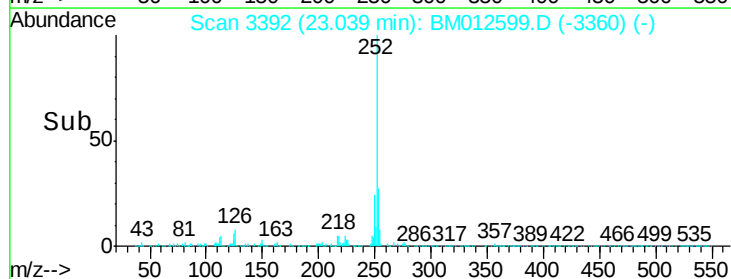
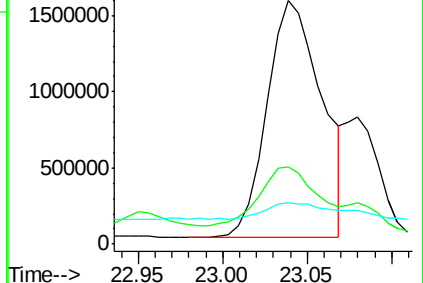
125 16.8 3.4 5.2#

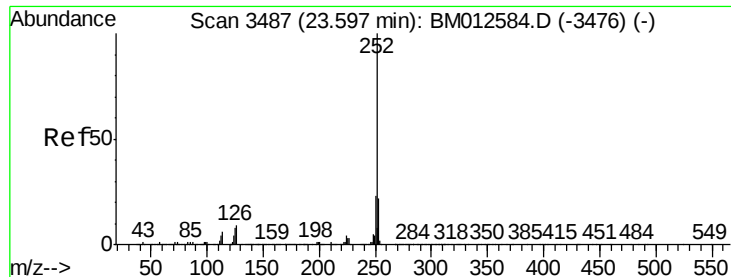


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 16.61 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.04 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

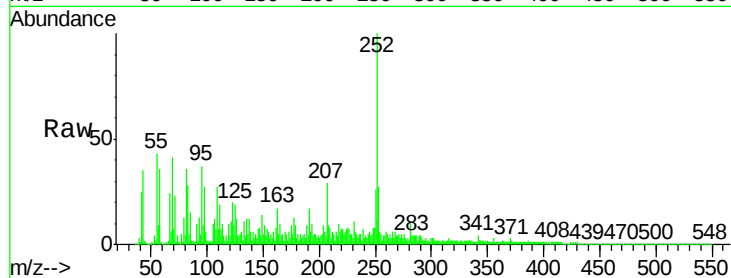
Tot Ion:252 Resp: 2523270

Ion Ratio Lower Upper

252 100

253 27.5 18.2 27.2#

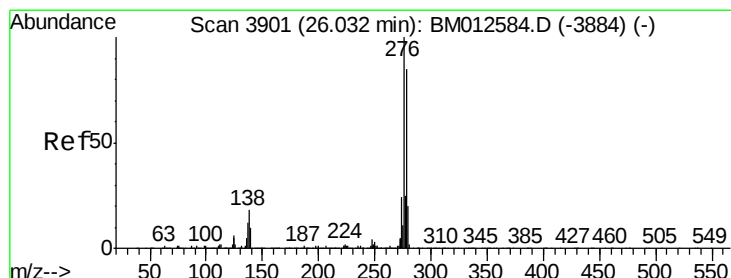
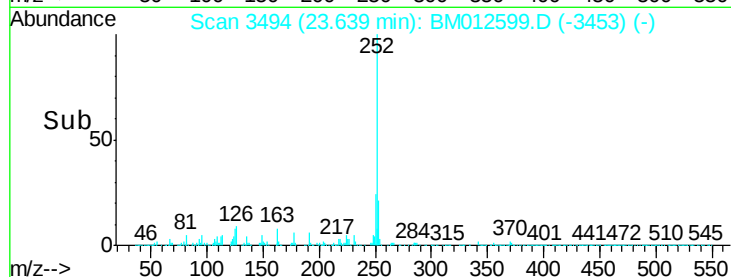
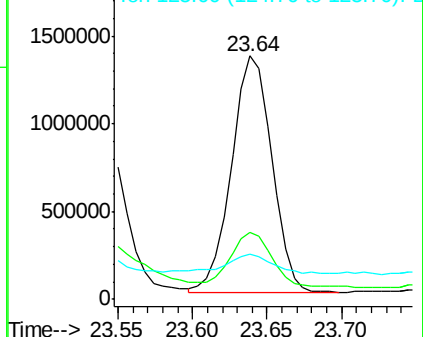
125 18.5 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 12.32 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. 0.07 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

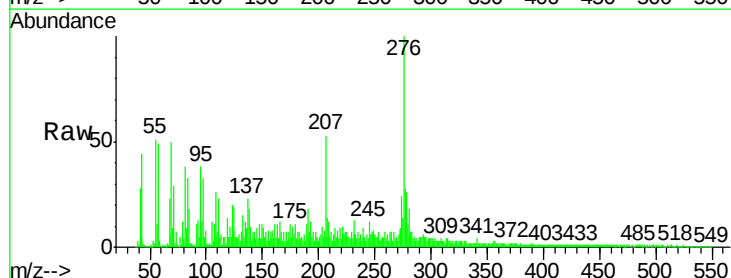
Tgt Ion:276 Resp: 2203267

Ion Ratio Lower Upper

276 100

138 18.0 9.3 13.9#

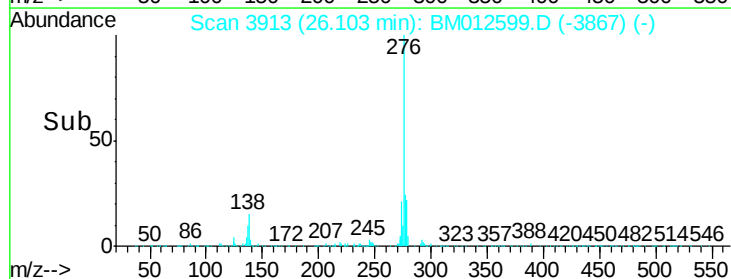
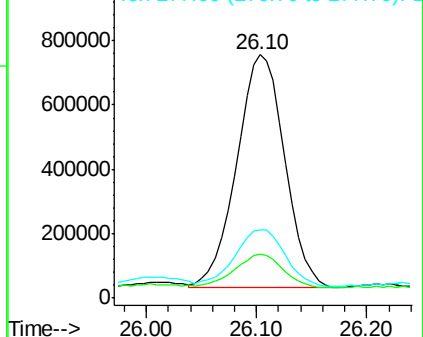
277 28.2 19.9 29.9

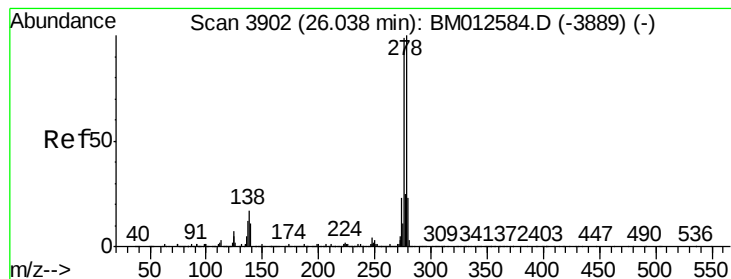


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.90 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. 0.06 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

Instrument :

BNA_M

ClientSampleId :

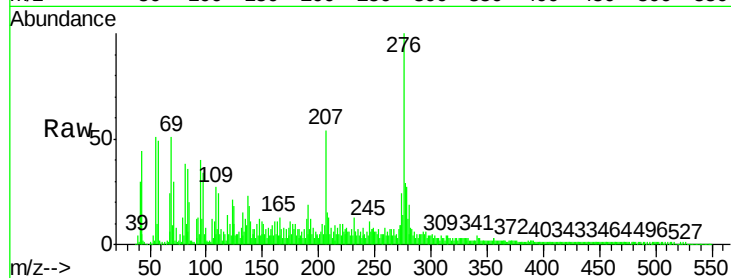
Tot Ion:278 Resp: 590823

Ion Ratio Lower Upper

278 100

139 38.9 5.8 8.8#

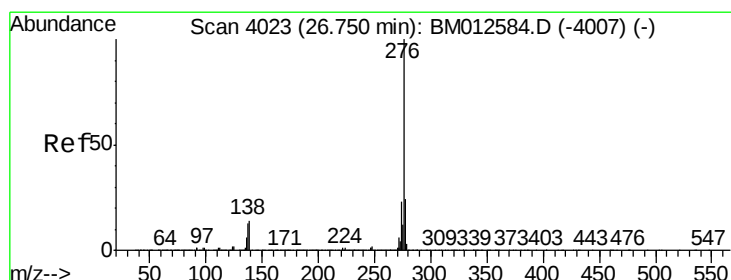
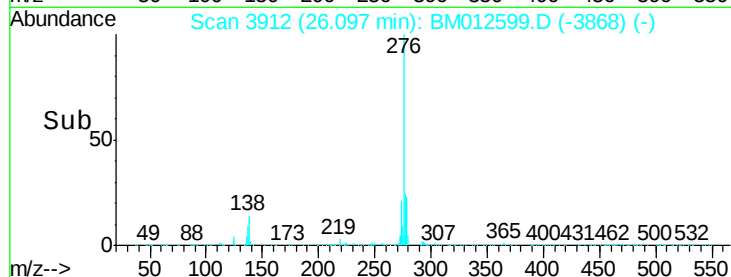
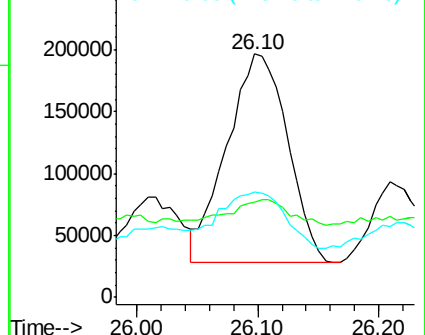
279 43.2 18.6 27.8#



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: 13.61 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. 0.08 min

Lab File: BM012599.D

Acq: 31 Oct 2017 06:33

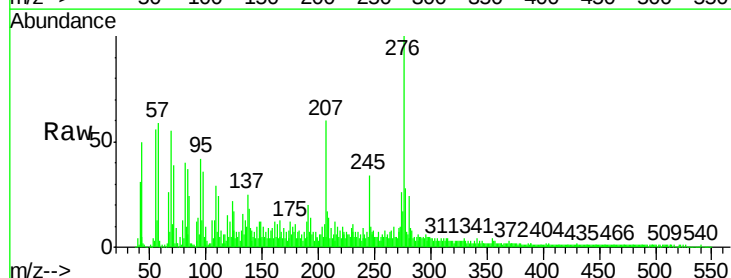
Tgt Ion:276 Resp: 1971776

Ion Ratio Lower Upper

276 100

138 17.7 8.5 12.7#

277 28.3 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

