

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012598.D
 Acq On : 31 Oct 2017 05:58
 Operator : SJ/JU
 Sample : I5786-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 08:46:23 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	343993	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1329883	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	779910	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1757158	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	2182067	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	2447927	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	41488	6.16	ng/uL	0.00
5) Phenol-d5	7.03	99	858459	29.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	509360	29.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	692785	32.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	676688	27.55	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	336823	40.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	386942	45.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	740522	32.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	354836	14.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	2131375	31.28	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	2701995	33.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	308693	30.48	ng/ul	0.00
57) Fluorene-d10	15.48	176	1882796	32.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	121232	14.26	ng/ul	0.00
70) Anthracene-d10	17.33	188	2973379	35.51	ng/ul	0.00
76) Pyrene-d10	19.63	212	3523208	35.19	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.58	264	4073378	35.03	ng/ul	0.03

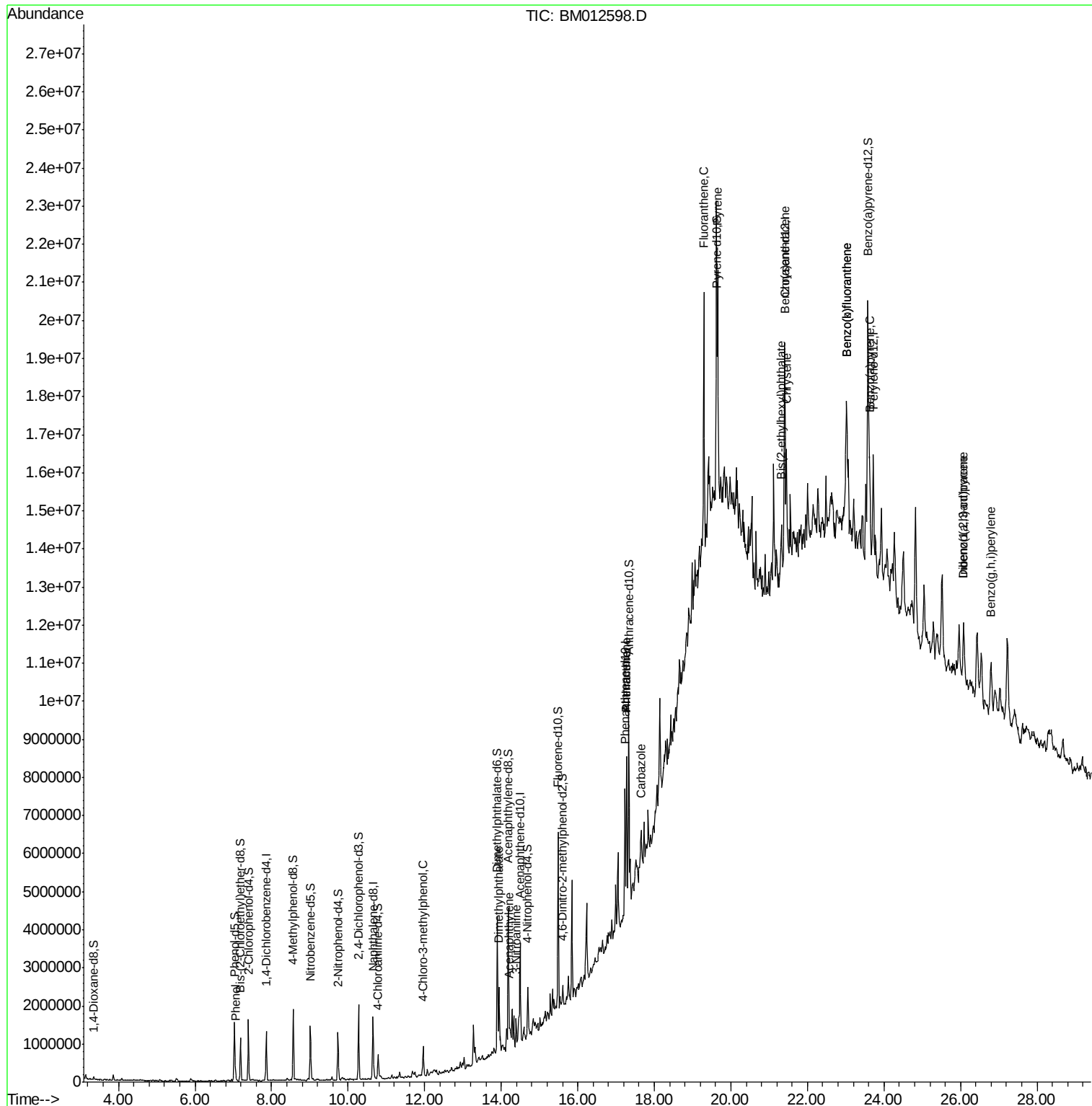
Target Compounds

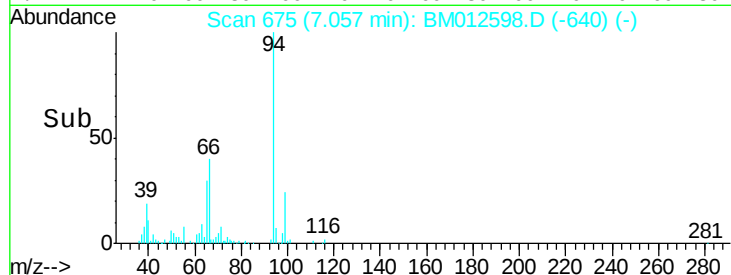
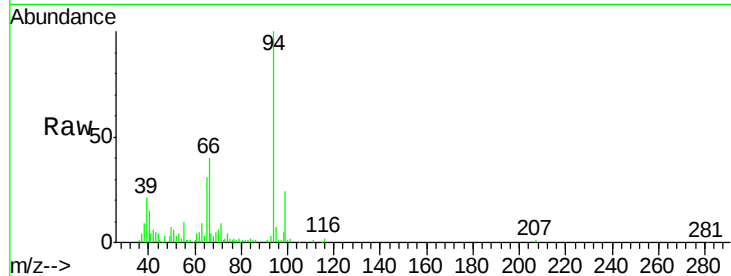
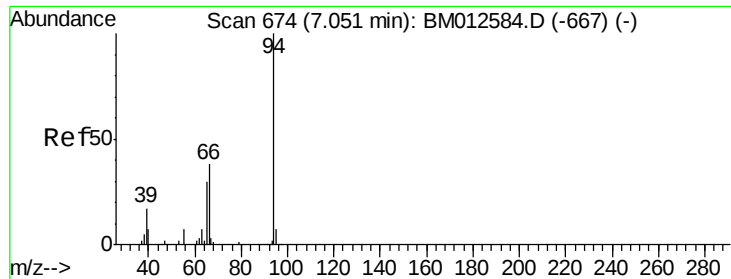
						Ovalue
6) Phenol	7.06	94	131288	4.39	ng/ul#	82
33) 4-Chloro-3-methylphenol	11.96	107	26298	1.06	ng/ul#	24
44) Dimethylphthalate	13.95	163	1014183	15.05	ng/ul	99
47) Acenaphthylene	14.21	152	320503	4.17	ng/ul	96
48) 3-Nitroaniline	14.40	138	13246	1.32	ng/ul#	13
69) Phenanthrene	17.27	178	2537232	26.70	ng/ul	98
71) Anthracene	17.27	178	2537232	25.83	ng/ul	96
72) Carbazole	17.63	167	250996	3.09	ng/ul#	80
74) Fluoranthene	19.29	202	3641299	33.82	ng/ul#	91
77) Pyrene	19.66	202	3405930	27.45	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	1713165	13.11	ng/ul#	90
81) Bis(2-ethylhexyl)phthalate	21.32	149	306963	4.13	ng/ul#	90
82) Chrysene	21.44	228	1752212	15.08	ng/ul#	90
85) Benzo(b)fluoranthene	23.03	252	2469043	16.32	ng/ul#	80
86) Benzo(k)fluoranthene	23.03	252	2469043	17.34	ng/ul#	78
88) Benzo(a)pyrene	23.62	252	1621540	11.24	ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	26.07	276	1623932	9.56	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.07	278	396185	2.75	ng/ul#	51
91) Benzo(g,h,i)perylene	26.80	276	1367464	9.94	ng/ul#	89

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

```
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Sample    : I5786-07
Misc      :
ALS Vial  : 30      Sample Multiplier: 1
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

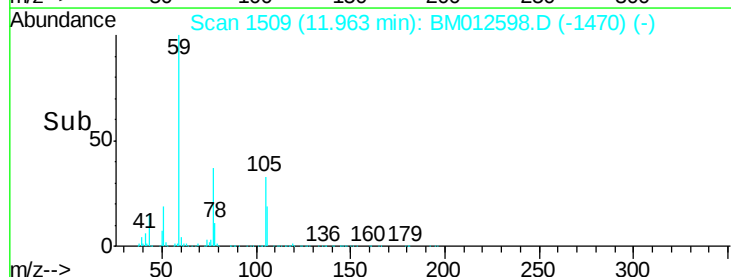
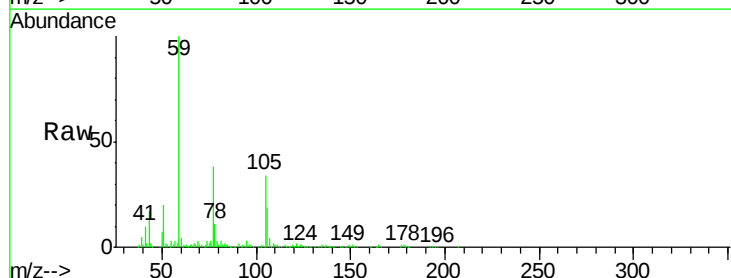
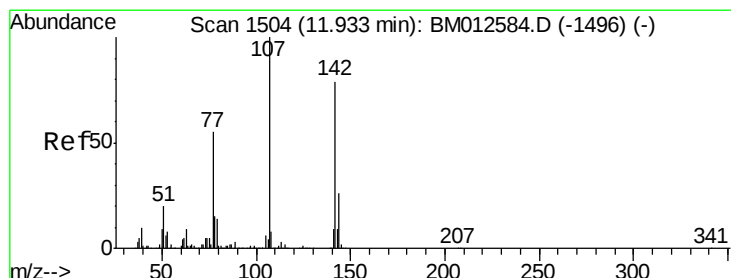
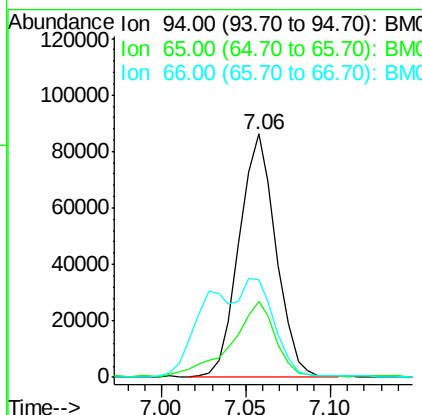




#6
Phenol
Concen: 4.39 ng/ul
RT: 7.06 min Scan# 675
Delta R.T. 0.01 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

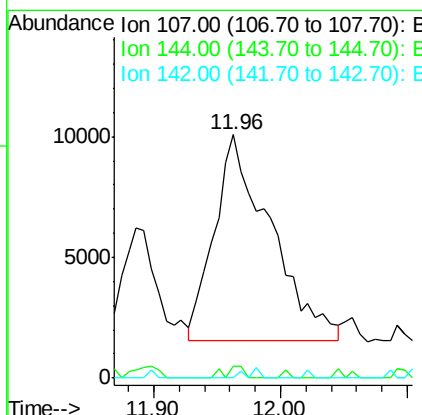
Instrument :
BNA_M
ClientSampled :

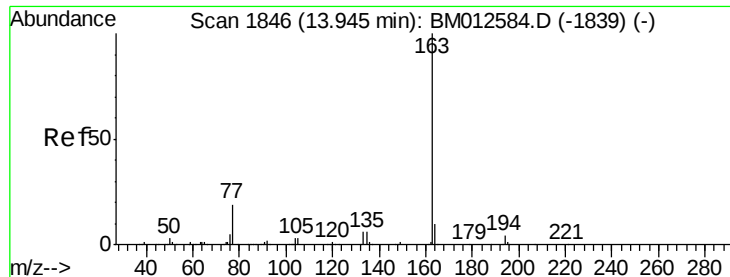
Tot Ion: 94 Resp: 131288
Ion Ratio Lower Upper
94 100
65 31.1 28.2 42.4
66 40.3 47.2 70.8#



#33
4-Chloro-3-methylphenol
Concen: 1.06 ng/ul
RT: 11.96 min Scan# 1509
Delta R.T. 0.03 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

Tgt Ion: 107 Resp: 26298
Ion Ratio Lower Upper
107 100
144 4.7 20.4 30.6#
142 0.0 60.5 90.7#

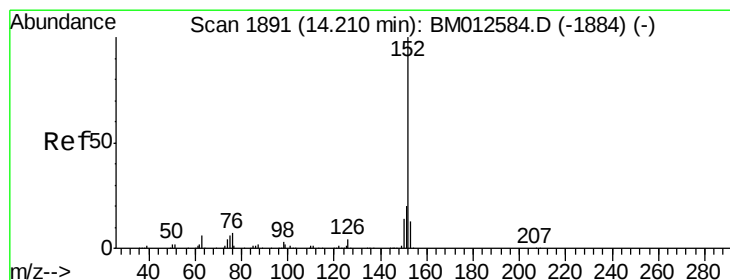
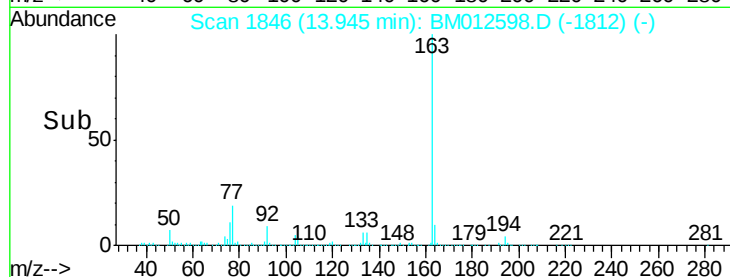
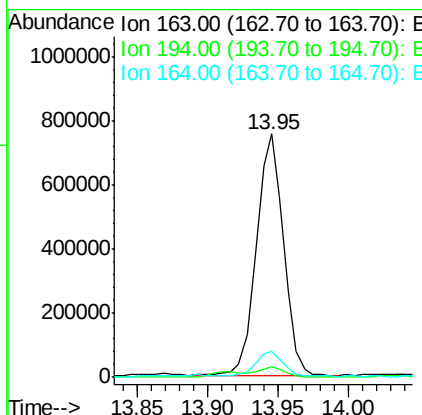
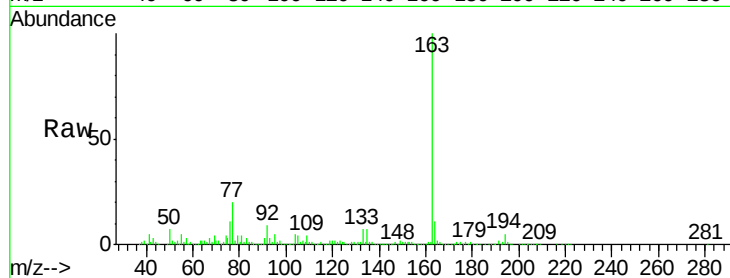




#44
Dimethylphthalate
Concen: 15.05 ng/ul
RT: 13.95 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

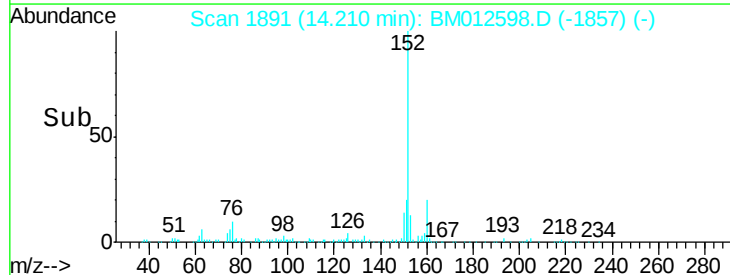
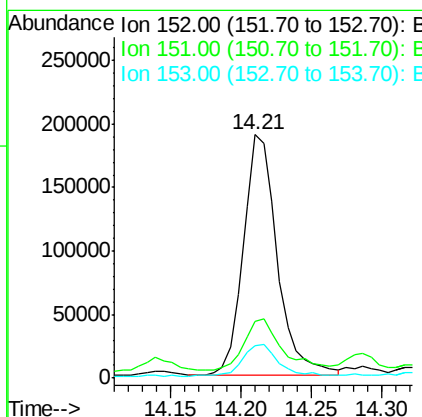
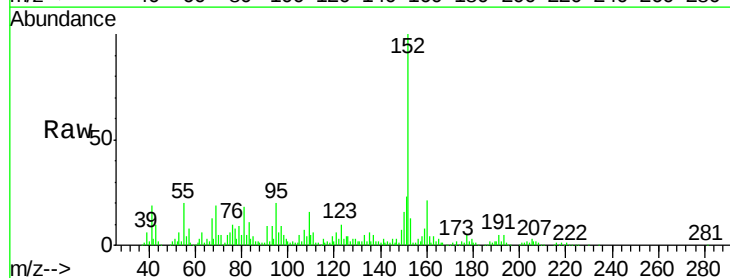
Instrument :
BNA_M
ClientSampleId :

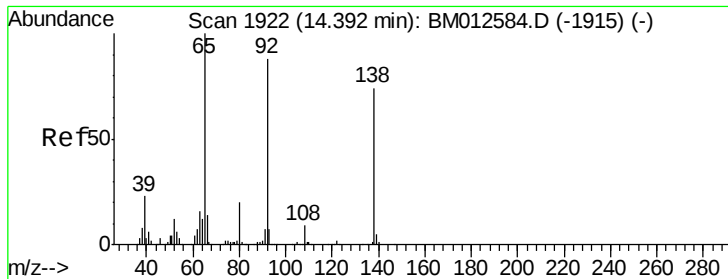
Tot Ion:163 Resp: 1014183
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.5 8.2 12.4



#47
Acenaphthylene
Concen: 4.17 ng/ul
RT: 14.21 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

Tgt Ion:152 Resp: 320503
Ion Ratio Lower Upper
152 100
151 23.1 16.3 24.5
153 13.5 10.2 15.4

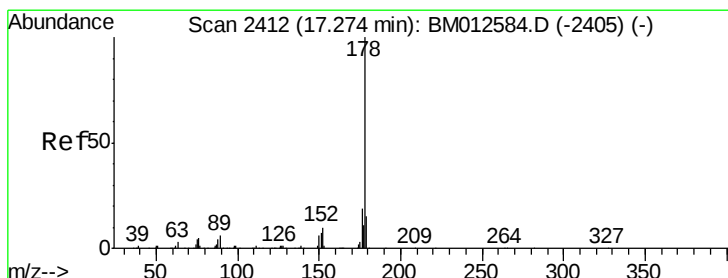
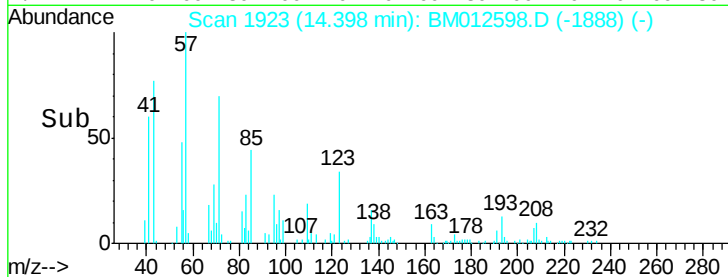
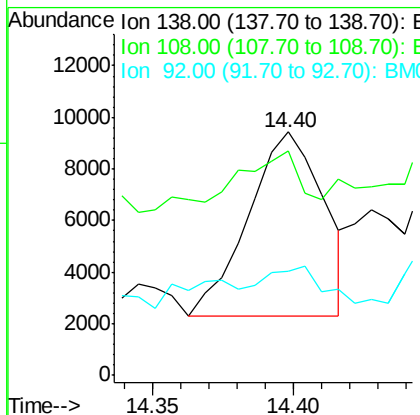
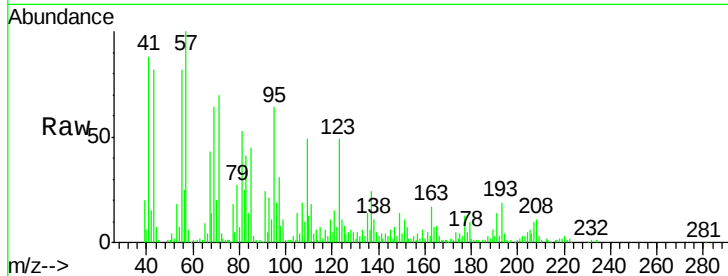




#48
 3-Nitroaniline
 Concen: 1.32 ng/ul
 RT: 14.40 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

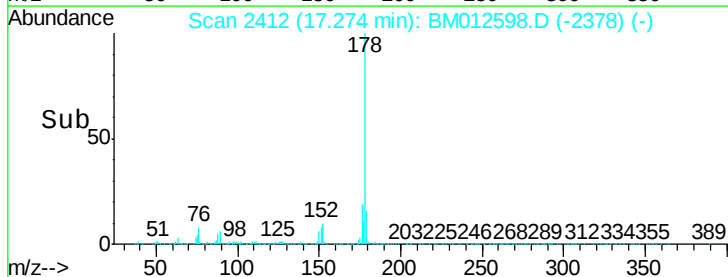
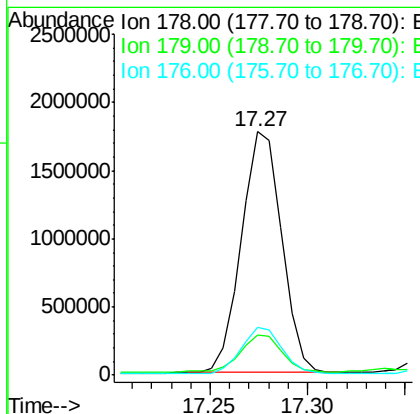
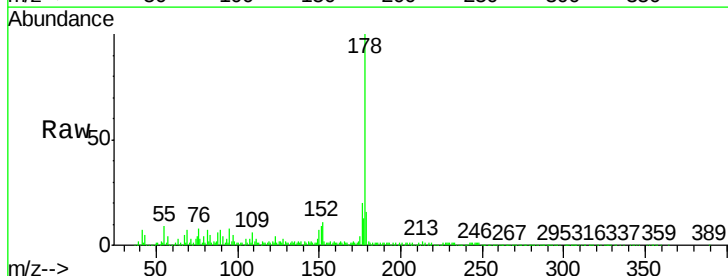
Instrument :
 BNA_M
 ClientSampleId :

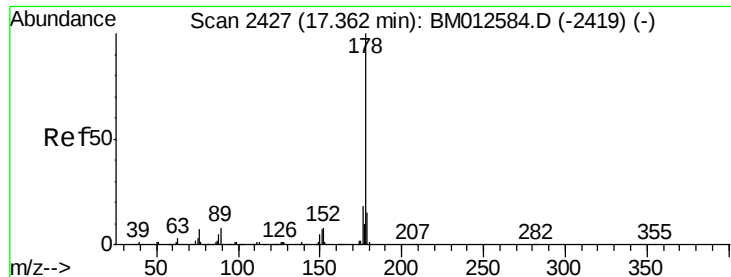
Tot Ion:138 Resp: 13246
 Ion Ratio Lower Upper
 138 100
 108 92.1 9.9 14.9#
 92 42.5 105.0 157.4#



#69
 Phenanthrene
 Concen: 26.70 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

Tgt Ion:178 Resp: 2537232
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 19.0
 176 19.7 14.9 22.3

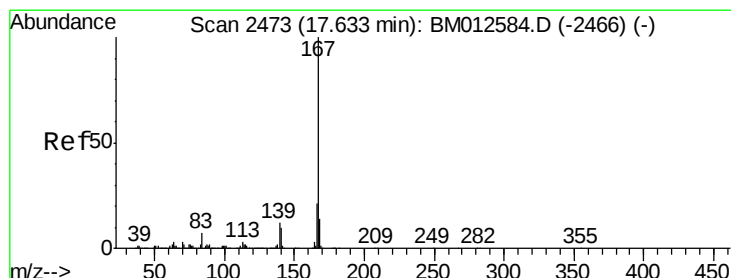
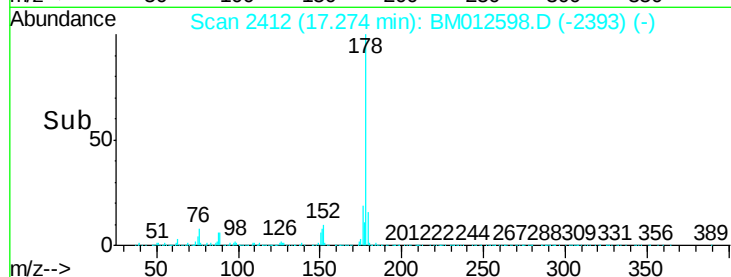
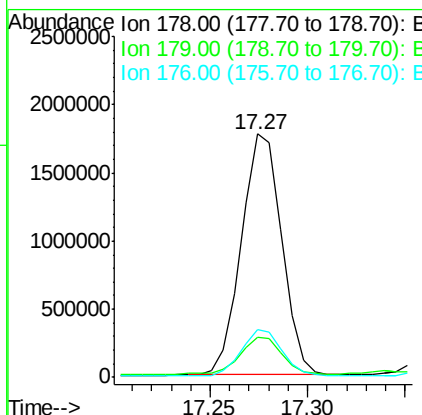
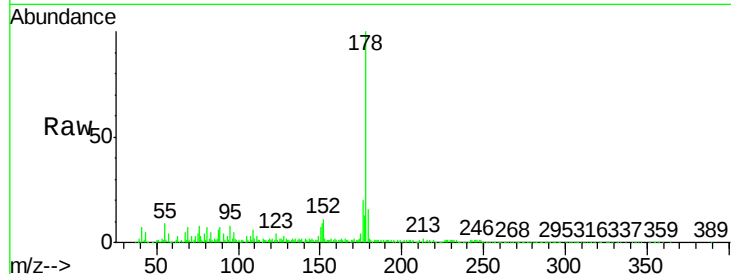




#71
 Anthracene
 Concen: 25.83 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. -0.09 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

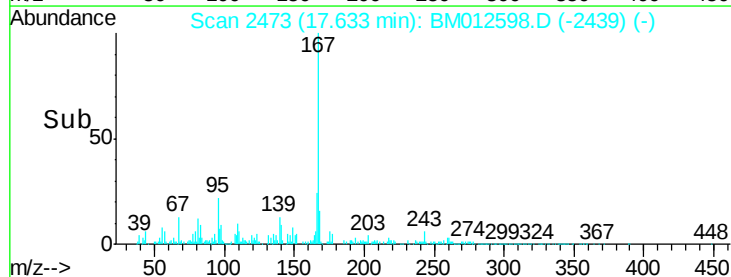
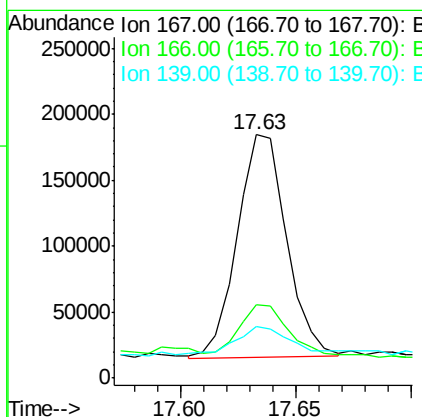
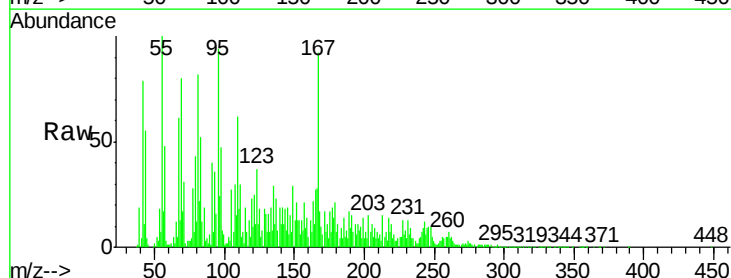
Instrument :
 BNA_M
 ClientSampleId :

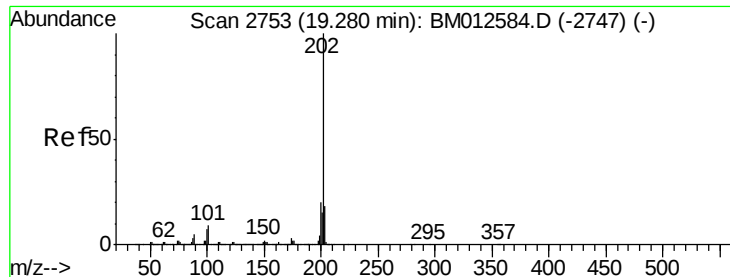
Tot Ion:178 Resp: 2537232
 Ion Ratio Lower Upper
 178 100
 179 16.5 11.7 17.5
 176 19.7 14.6 21.8



#72
 Carbazole
 Concen: 3.09 ng/ul
 RT: 17.63 min Scan# 2473
 Delta R.T. 0.00 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

Tgt Ion:167 Resp: 250996
 Ion Ratio Lower Upper
 167 100
 166 30.3 17.1 25.7#
 139 21.0 10.0 15.0#

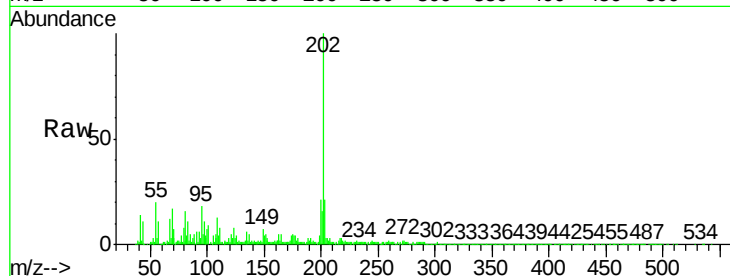




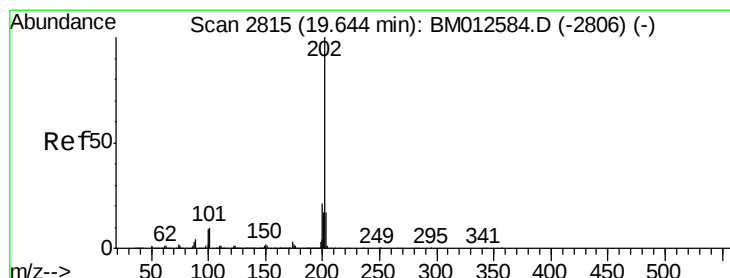
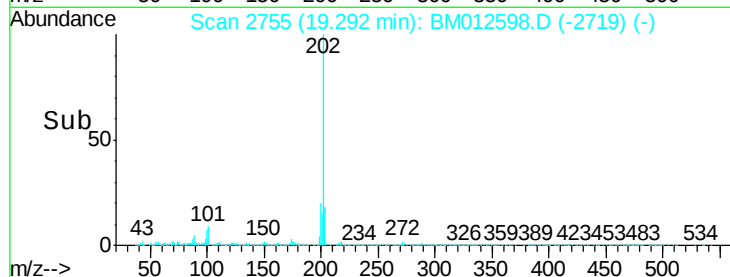
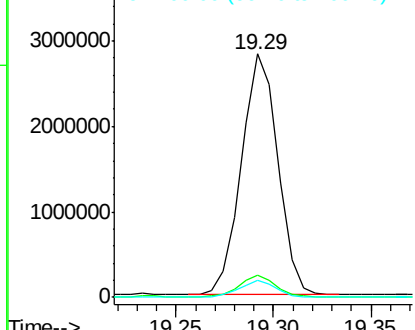
#74
 Fluoranthene
 Concen: 33.82 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.01 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 3641299
 Ion Ratio Lower Upper
 202 100
 101 9.0 4.6 7.0#
 100 6.9 3.4 5.2#

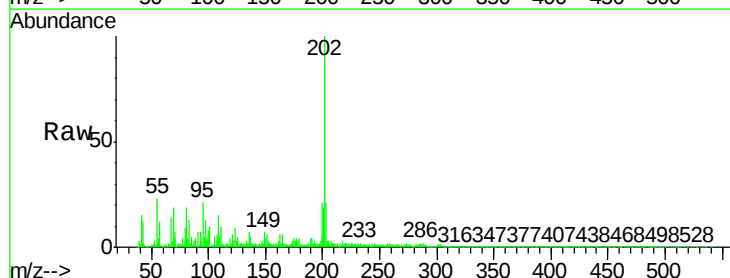


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

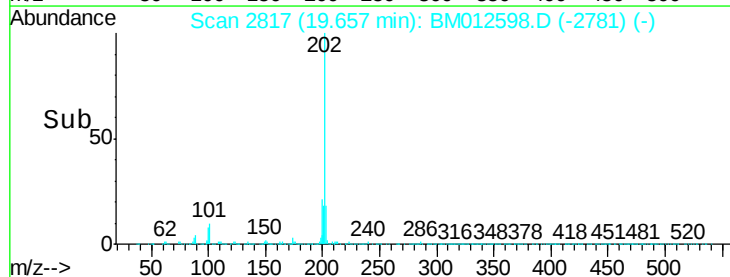
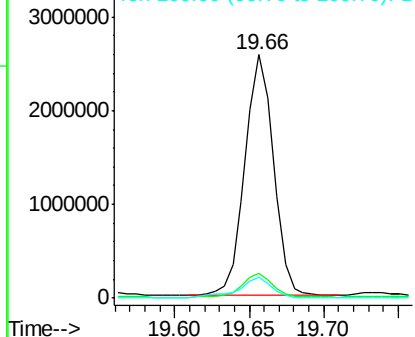


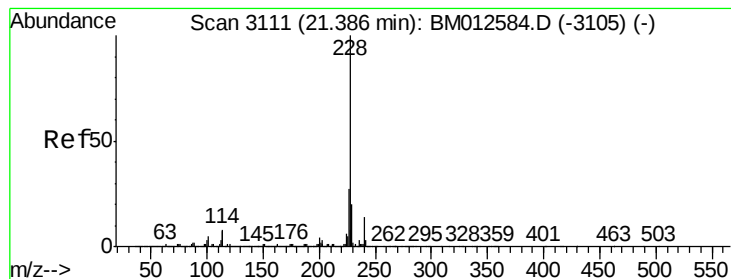
#77
 Pyrene
 Concen: 27.45 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.01 min
 Lab File: BM012598.D
 Acq: 31 Oct 2017 05:58

Tgt Ion:202 Resp: 3405930
 Ion Ratio Lower Upper
 202 100
 101 10.4 5.1 7.7#
 100 8.5 4.9 7.3#



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





#80

Benzo(a)anthracene

Concen: 13.11 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

Instrument :

BNA_M

ClientSampleId :

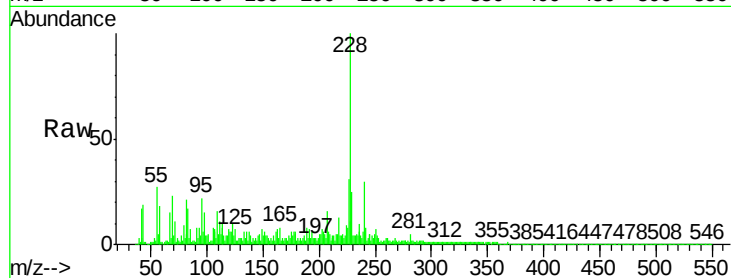
Tot Ion:228 Resp: 1713165

Ion	Ratio	Lower	Upper
228	100		
229	25.1	15.4	23.0#
226	30.6	21.4	32.0

228 100

229 25.1 15.4 23.0#

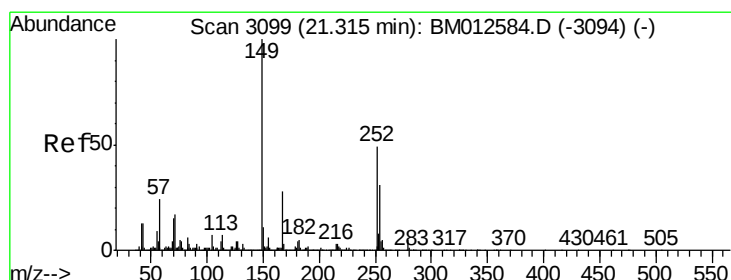
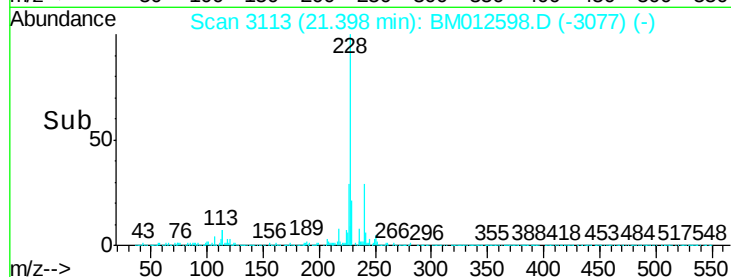
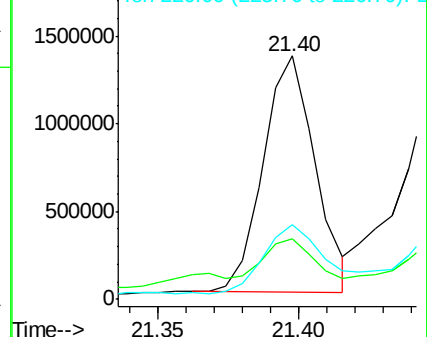
226 30.6 21.4 32.0



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: 4.13 ng/ul

RT: 21.32 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

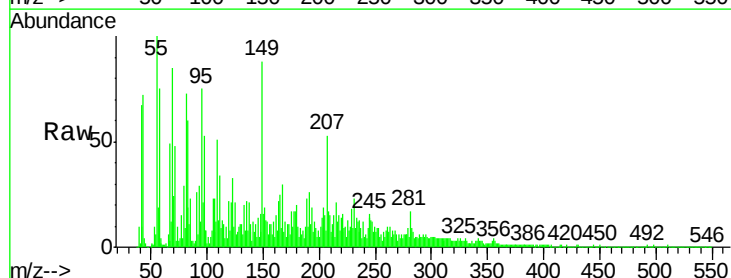
Tgt Ion:149 Resp: 306963

Ion	Ratio	Lower	Upper
149	100		
167	33.8	22.8	34.2
279	10.0	4.9	7.3#

149 100

167 33.8 22.8 34.2

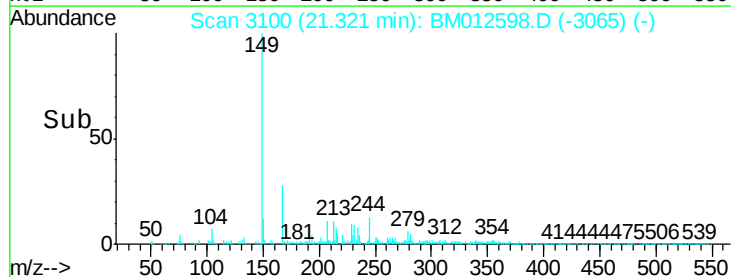
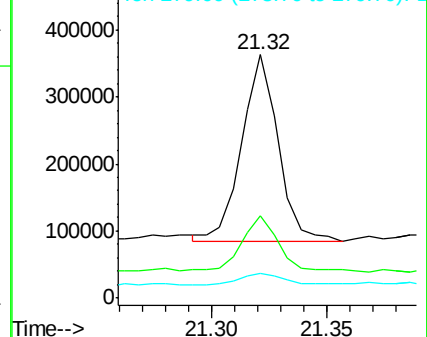
279 10.0 4.9 7.3#

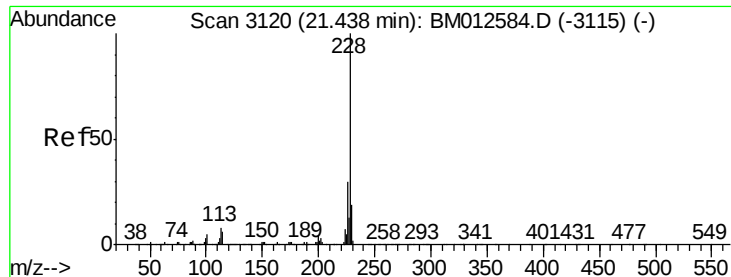


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 15.08 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.01 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

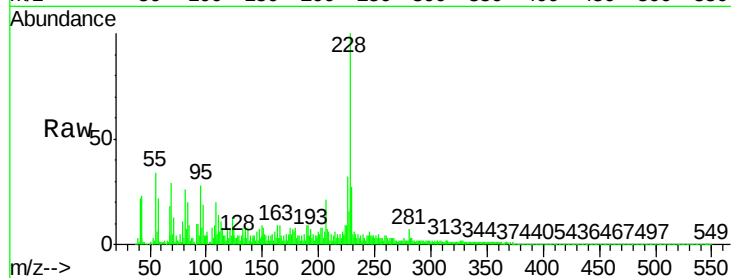
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1752212

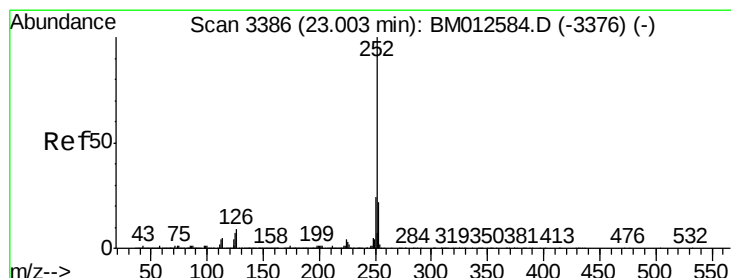
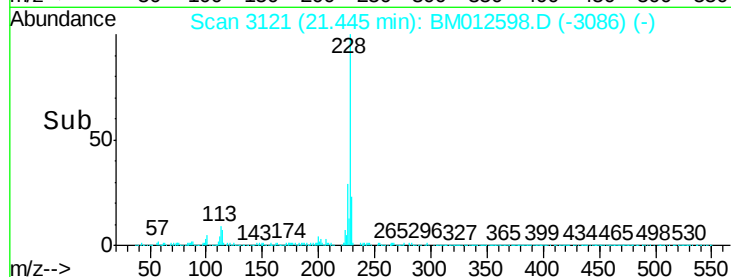
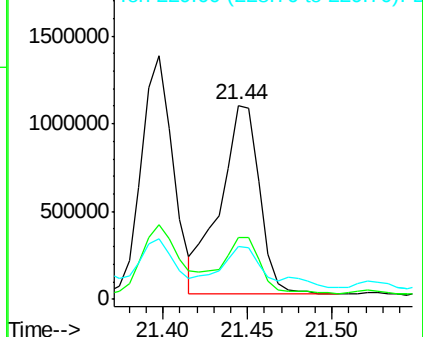
Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.2
229	27.5	15.5	23.3



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



#85

Benzo(b)fluoranthene

Concen: 16.32 ng/ul

RT: 23.03 min Scan# 3390

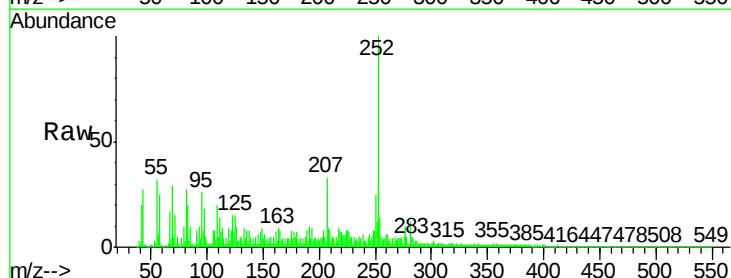
Delta R.T. 0.02 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

Tgt Ion:252 Resp: 2469043

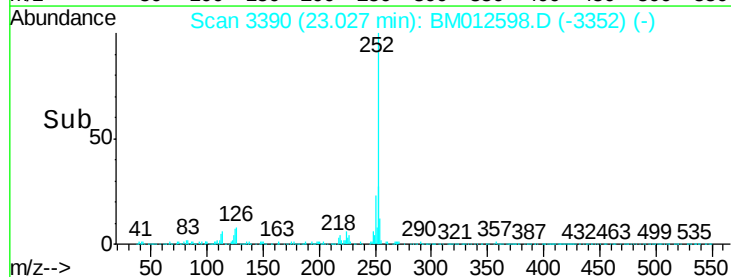
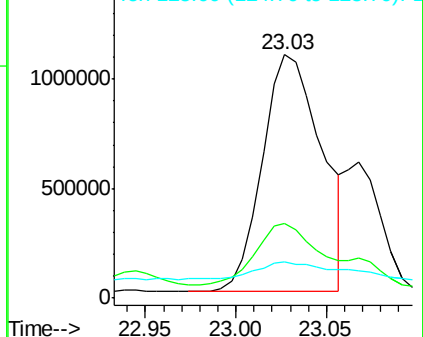
Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.9	26.9
125	14.7	3.6	5.4

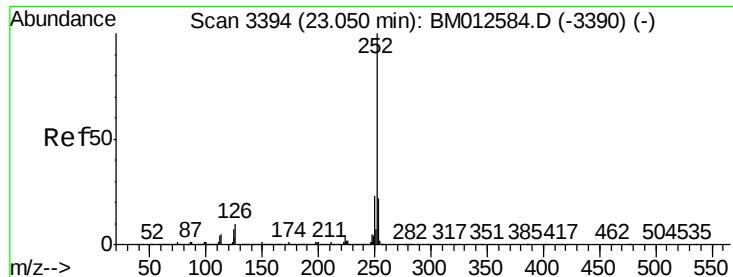


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

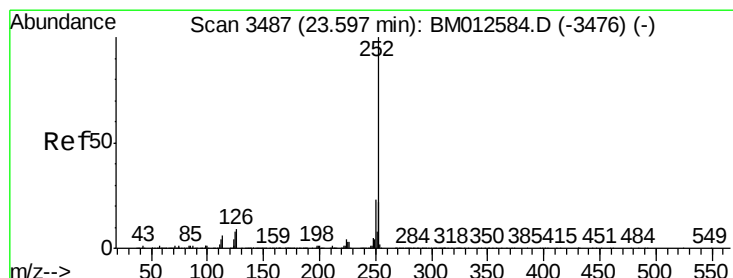
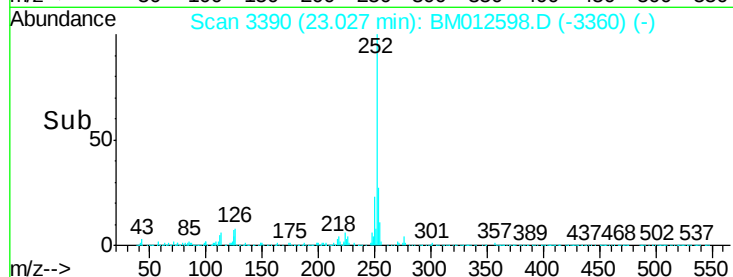
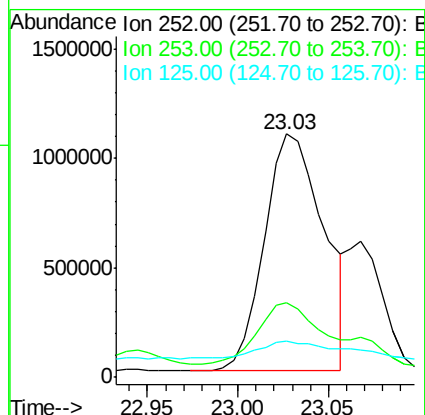
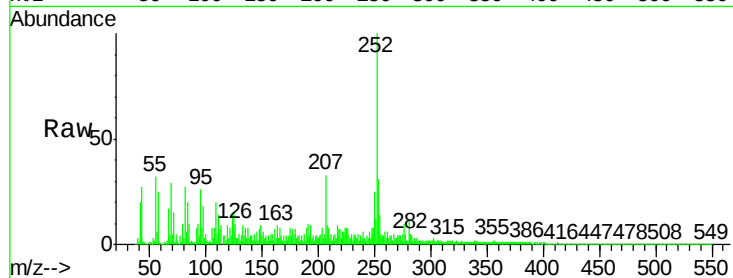




#86
Benzo(k)fluoranthene
Concen: 17.34 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.02 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

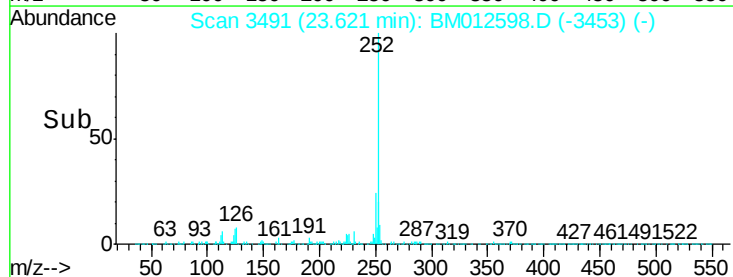
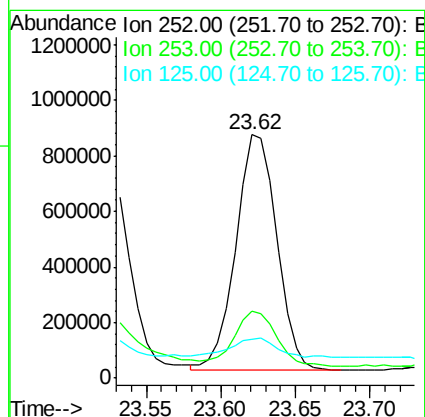
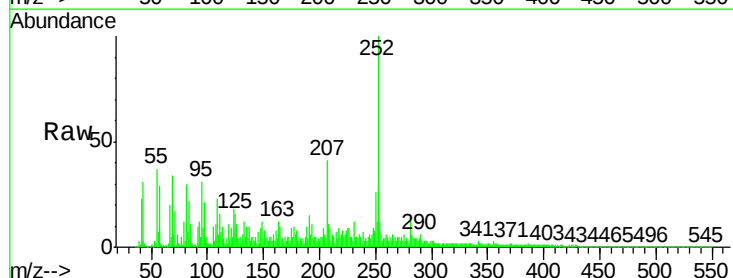
Instrument :
BNA_M
ClientSampled :

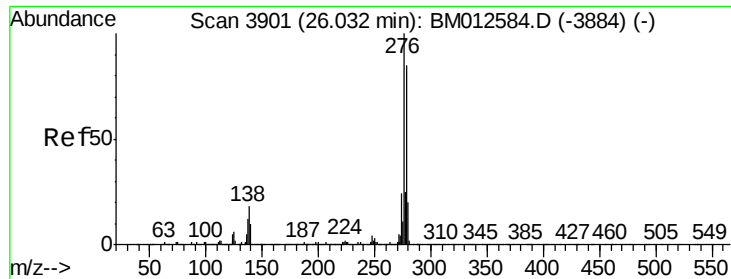
Tot Ion:252 Resp: 2469043
Ion Ratio Lower Upper
252 100
253 30.7 17.1 25.7#
125 14.7 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 11.24 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.02 min
Lab File: BM012598.D
Acq: 31 Oct 2017 05:58

Tgt Ion:252 Resp: 1621540
Ion Ratio Lower Upper
252 100
253 27.6 18.2 27.2#
125 16.0 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 9.56 ng/ul

RT: 26.07 min Scan# 3908

Delta R.T. 0.04 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

Instrument :

BNA_M

ClientSampleId :

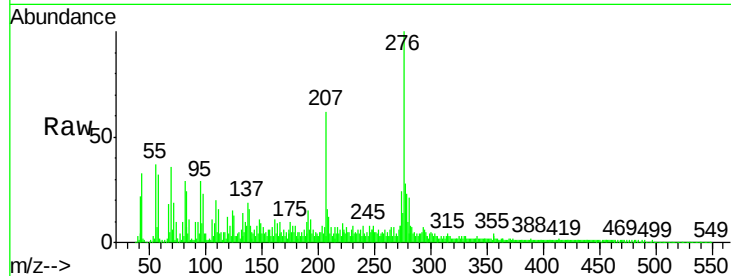
Tot Ion:276 Resp: 1623932

Ion Ratio Lower Upper

276 100

138 16.4 9.3 13.9#

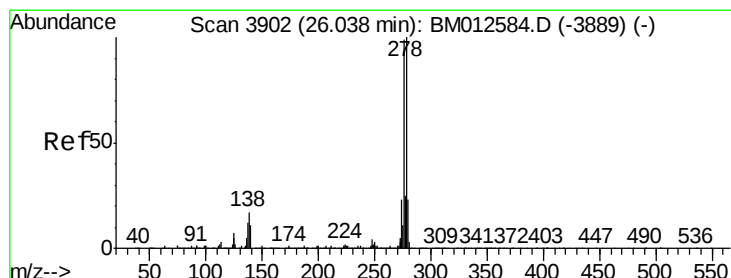
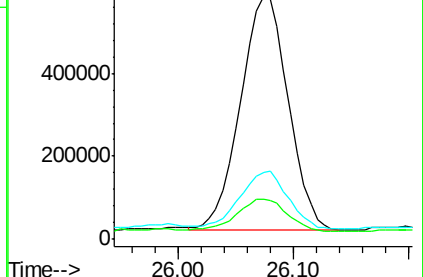
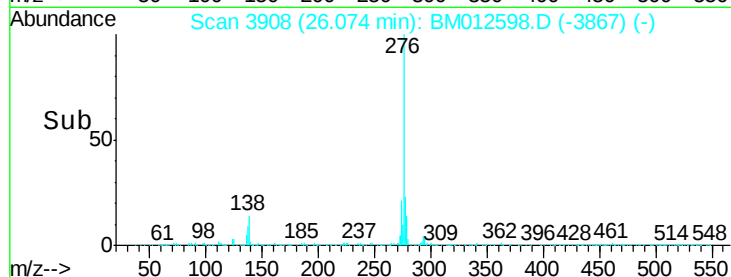
277 27.6 19.9 29.9



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: 2.75 ng/ul

RT: 26.07 min Scan# 3908

Delta R.T. 0.04 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

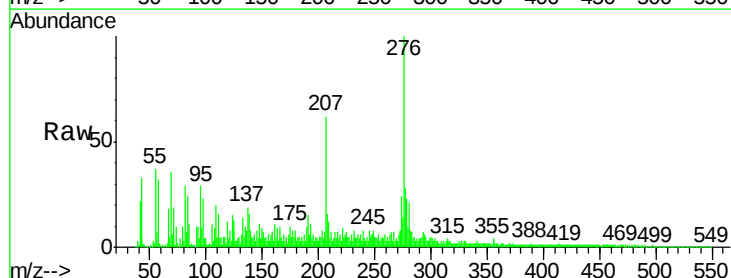
Tgt Ion:278 Resp: 396185

Ion Ratio Lower Upper

278 100

139 33.7 5.8 8.8#

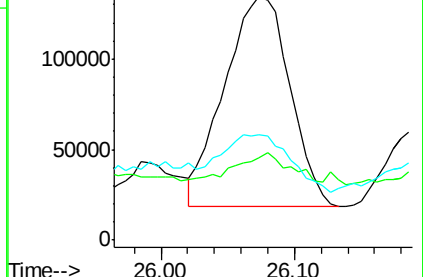
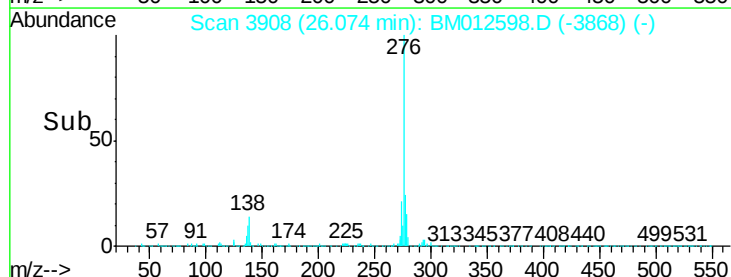
279 43.2 18.6 27.8#

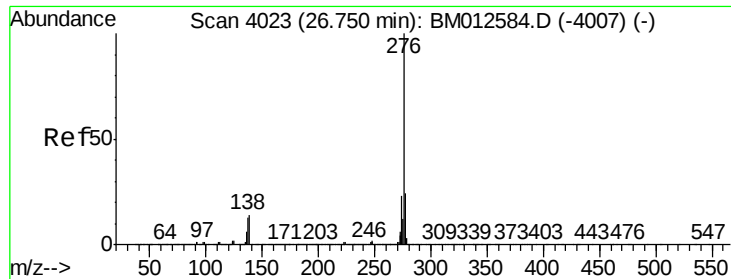


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.94 ng/ul

RT: 26.80 min Scan# 4032

Delta R.T. 0.05 min

Lab File: BM012598.D

Acq: 31 Oct 2017 05:58

Instrument :

BNA_M

ClientSampleId :

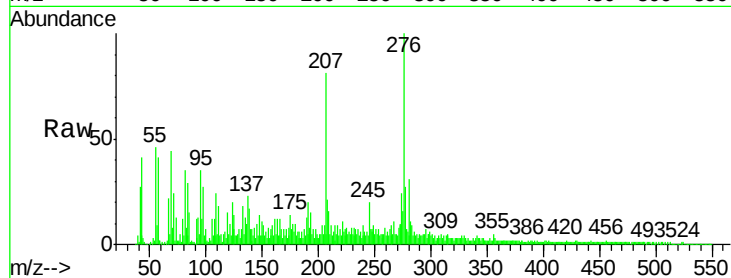
Tot Ion:276 Resp: 1367464

Ion Ratio Lower Upper

276 100

138 17.0 8.5 12.7#

277 27.3 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

