

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012091.D
 Acq On : 12 Oct 2017 04:50
 Operator : SJ/JU
 Sample : I5649-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 06:43:36 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	314496	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1229008	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	642433	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1327047	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1584809	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	1709794	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	29787	4.48	ng/uL	0.00
5) Phenol-d5	7.00	99	588882	21.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	390767	24.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	519424	23.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	487989	20.86	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	242524	27.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	267797	27.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	494245	24.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	358214	16.48	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1498352	26.91	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1856033	28.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	138605	14.25	ng/ul	0.00
57) Fluorene-d10	15.48	176	1239974	25.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	61262	6.86	ng/ul	0.00
70) Anthracene-d10	17.33	188	1785455	27.30	ng/ul	0.00
76) Pyrene-d10	19.63	212	2049484	28.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	2256720	27.44	ng/ul	0.01

Target Compounds

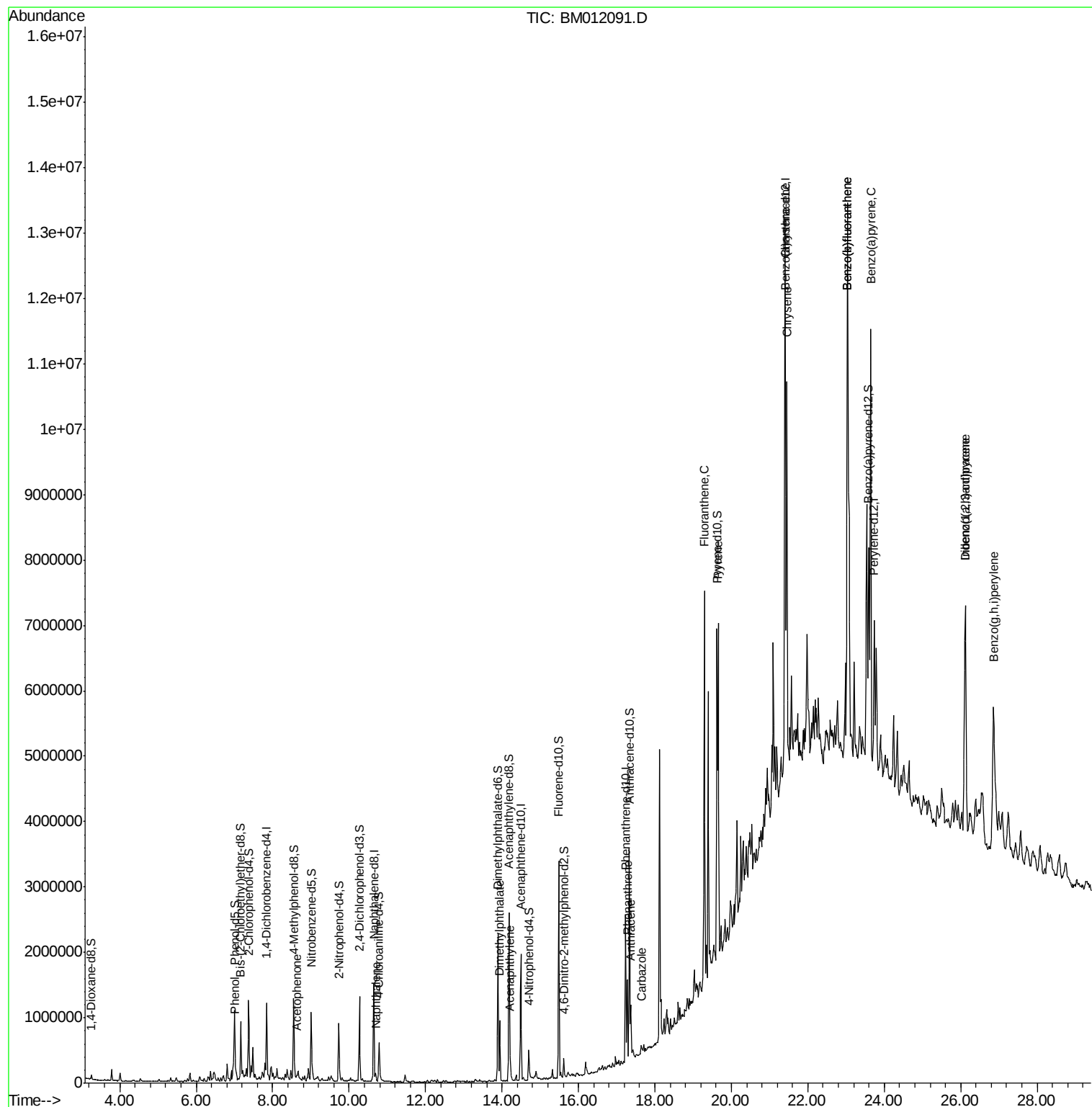
				Ovalue	
6) Phenol	7.03	94	30517	1.140	ng/ul 95
14) Acetophenone	8.64	105	56148	1.641	ng/ul# 29
28) Naphthalene	10.69	128	87879	1.425	ng/ul 98
44) Dimethylphthalate	13.94	163	569414	10.630	ng/ul 99
47) Acenaphthylene	14.22	152	283937	4.476	ng/ul 97
69) Phenanthrene	17.28	178	754248	10.333	ng/ul 98
71) Anthracene	17.37	178	490807	6.608	ng/ul 98
72) Carbazole	17.64	167	76817	1.194	ng/ul# 95
74) Fluoranthene	19.29	202	3192040	35.840	ng/ul# 90
77) Pyrene	19.66	202	3013214	34.290	ng/ul# 89
80) Benzo(a)anthracene	21.40	228	3783098	41.669	ng/ul 96
82) Chrysene	21.45	228	3215911	37.280	ng/ul 97
85) Benzo(b)fluoranthene	23.04	252	6045796	58.174	ng/ul# 96
86) Benzo(k)fluoranthene	23.04	252	6045796	58.269	ng/ul# 94
88) Benzo(a)pyrene	23.64	252	4644957	46.514	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.12	276	3332318	31.183	ng/ul# 94
90) Dibenzo(a,h)anthracene	26.12	278	860611	9.801	ng/ul# 82
91) Benzo(g,h,i)perylene	26.86	276	2744182	31.044	ng/ul# 91

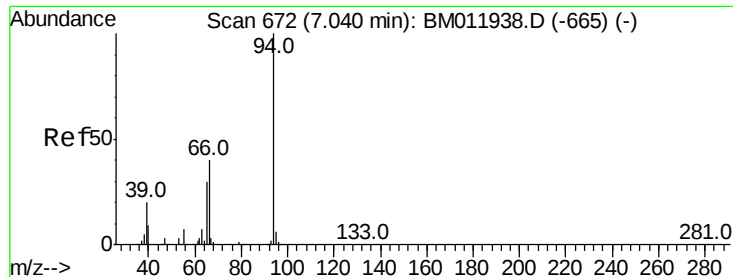
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.140 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. -0.00 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Instrument :

BNA_M

ClientSampleId :

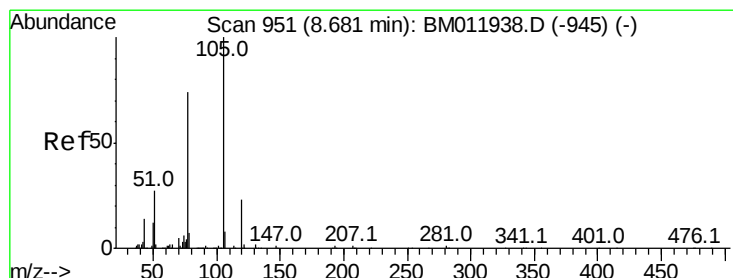
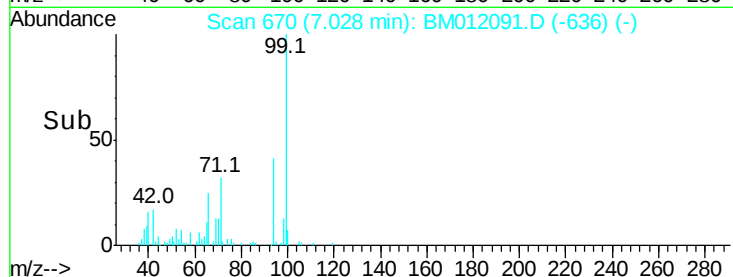
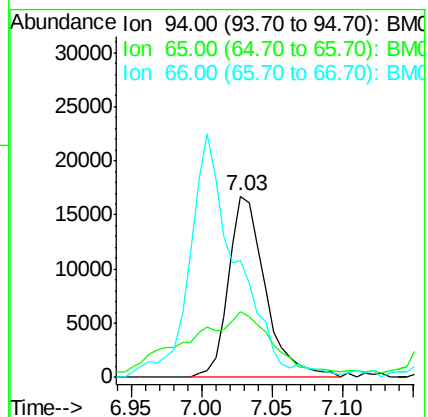
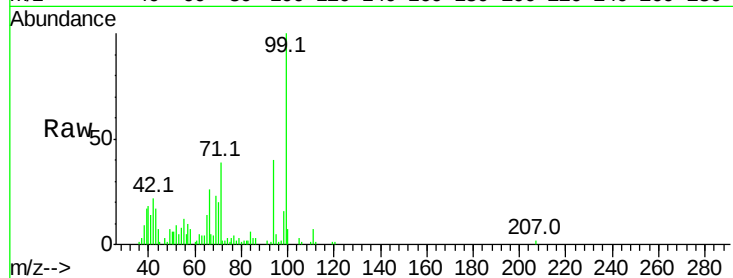
Tot Ion: 94 Resp: 30517

Ion Ratio Lower Upper

94 100

65 36.0 28.2 42.4

66 64.1 47.2 70.8



#14

Acetophenone

Concen: 1.641 ng/ul

RT: 8.64 min Scan# 944

Delta R.T. -0.03 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

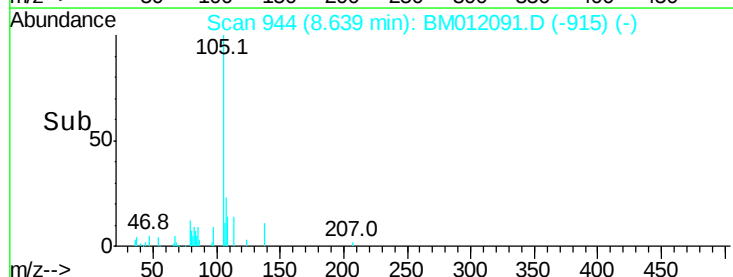
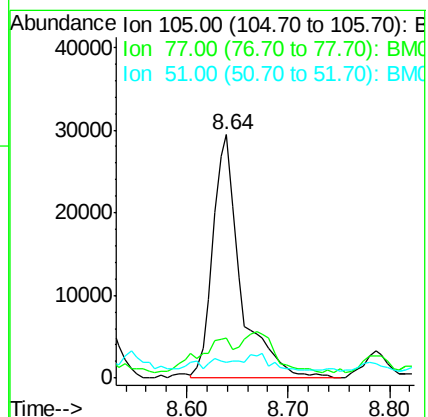
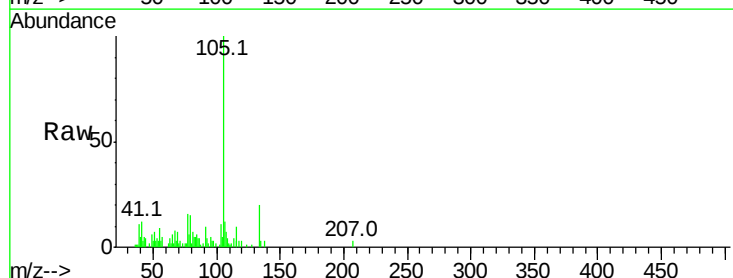
Tgt Ion: 105 Resp: 56148

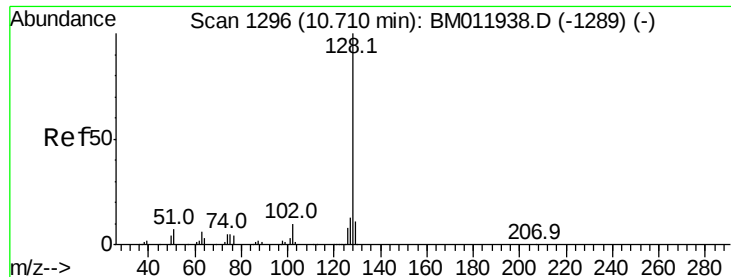
Ion Ratio Lower Upper

105 100

77 16.3 74.2 111.4#

51 6.6 23.4 35.2#

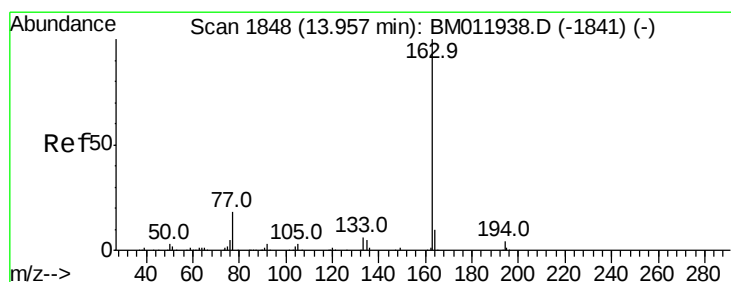
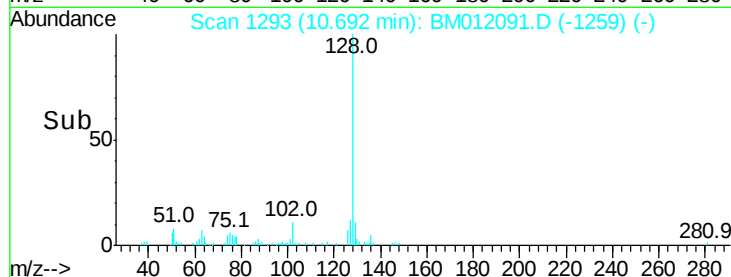
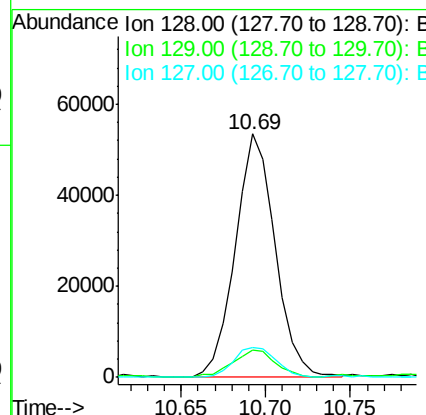
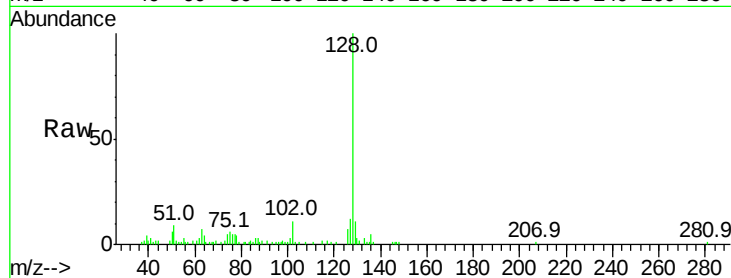




#28
Naphthalene
Concen: 1.425 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BM012091.D
Acq: 12 Oct 2017 04:50

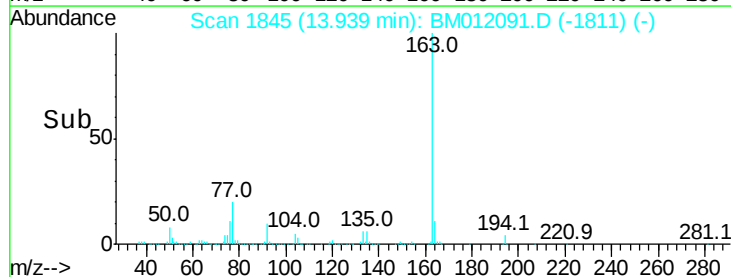
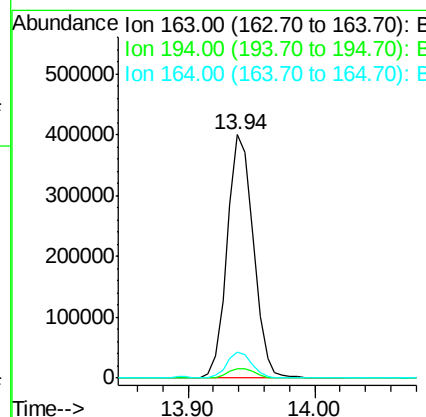
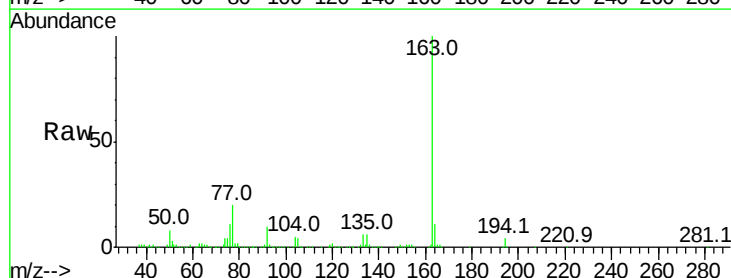
Instrument :
BNA_M
ClientSampleId :

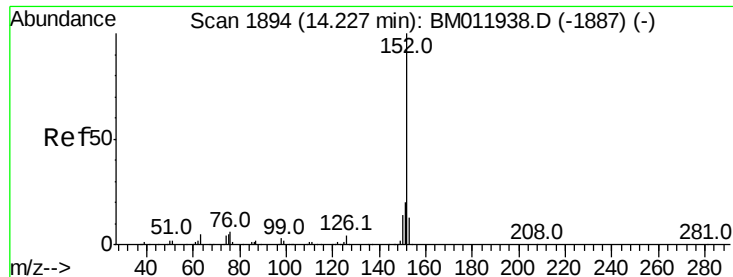
Tot Ion:128 Resp: 87879
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 12.2 10.6 16.0



#44
Dimethylphthalate
Concen: 10.630 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BM012091.D
Acq: 12 Oct 2017 04:50

Tgt Ion:163 Resp: 569414
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.5 8.2 12.4





#47

Acenaphthylene

Concen: 4.476 ng/ul

RT: 14.22 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

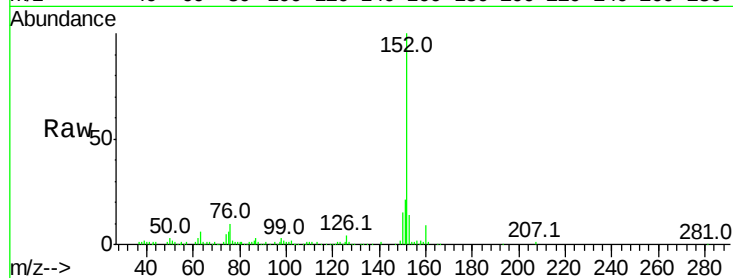
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 283937

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	14.0	10.2	15.4

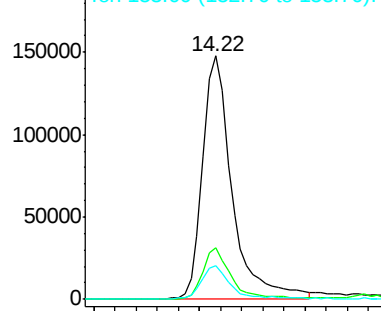


Abundance

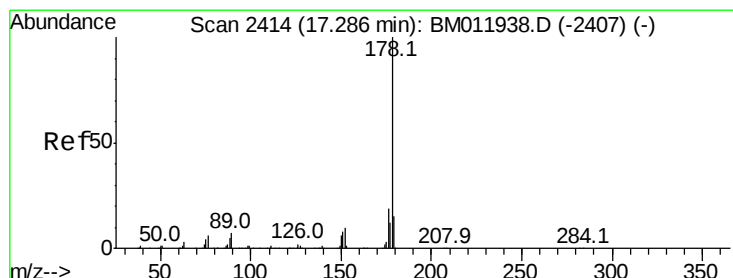
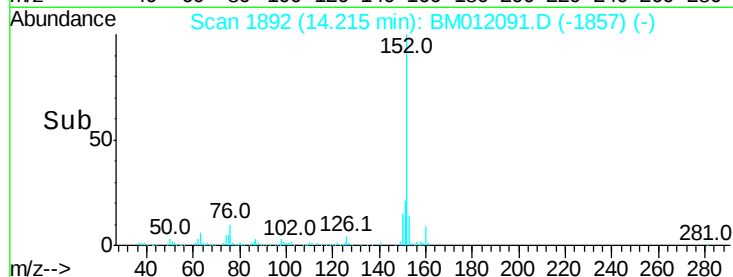
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 14.10 14.20 14.30



#69

Phenanthrene

Concen: 10.333 ng/ul

RT: 17.28 min Scan# 2413

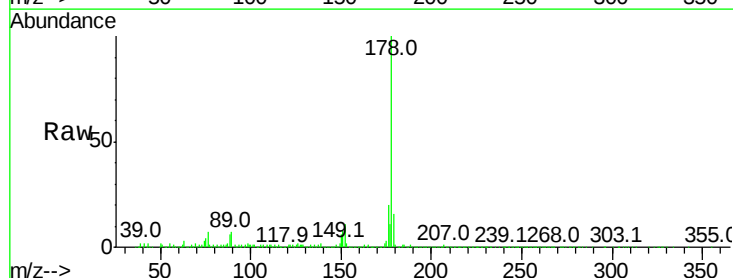
Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Tgt Ion:178 Resp: 754248

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.9	14.9	22.3

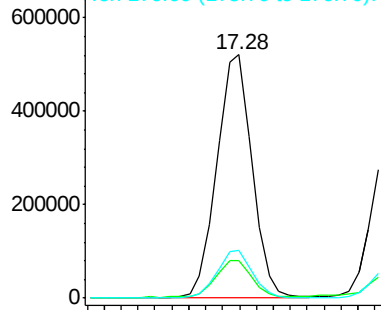


Abundance

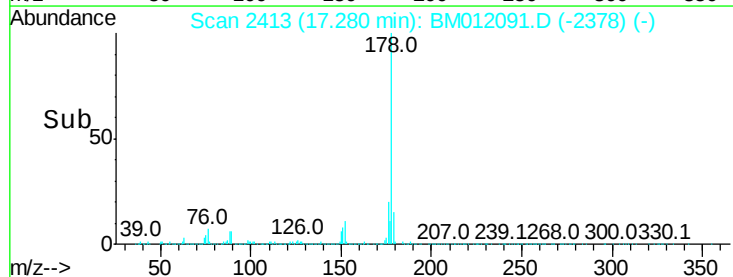
Ion 178.00 (177.70 to 178.70): E

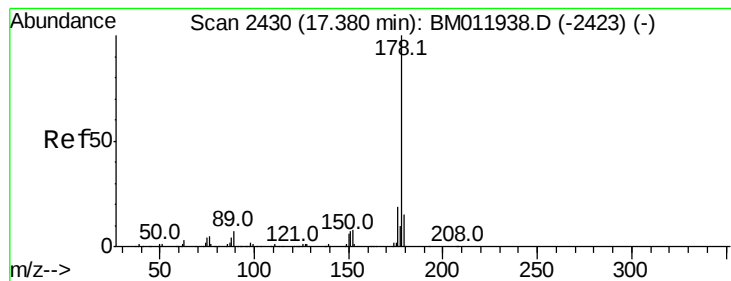
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.20 17.25 17.30 17.35





#71

Anthracene

Concen: 6.608 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

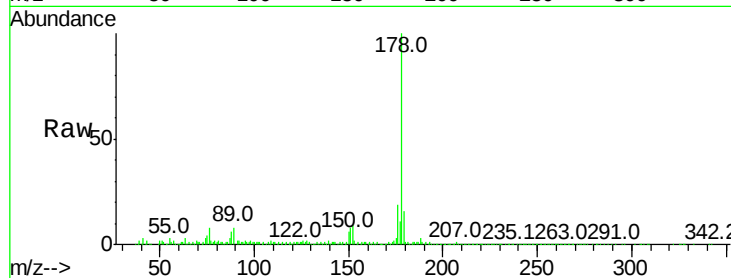
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 490807

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.7	14.6	21.8

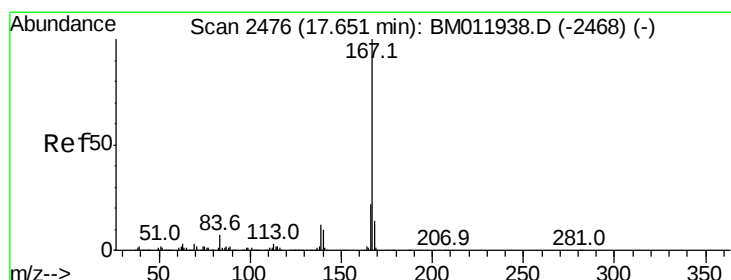
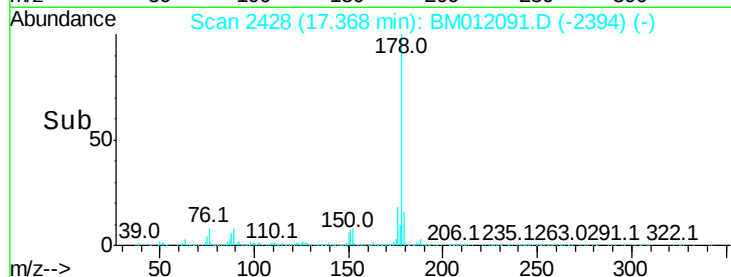
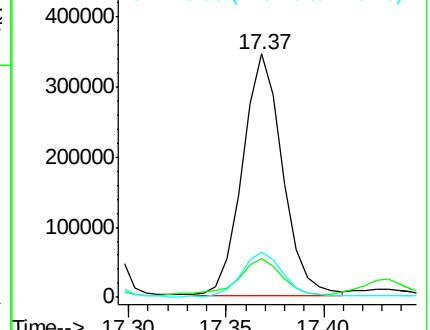


Abundance

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



#72

Carbazole

Concen: 1.194 ng/ul

RT: 17.64 min Scan# 2475

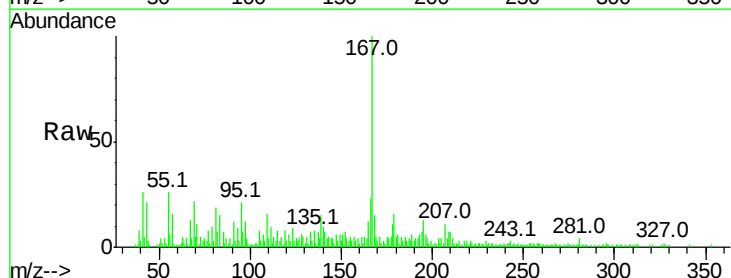
Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Tgt Ion:167 Resp: 76817

Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.1	25.7
139	15.4	10.0	15.0#

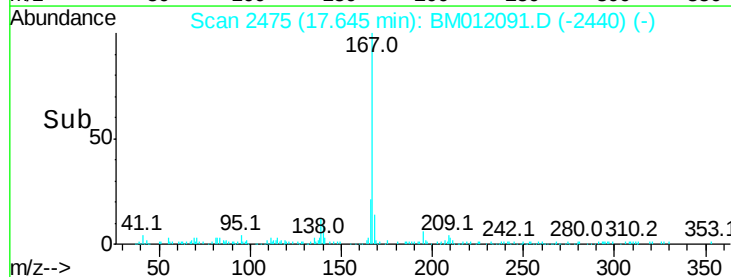
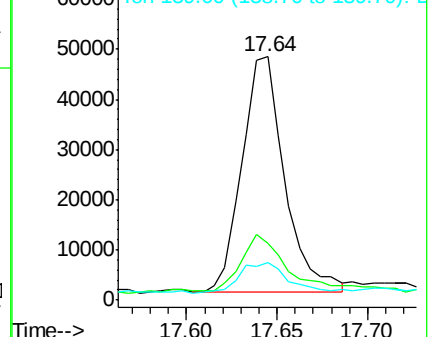


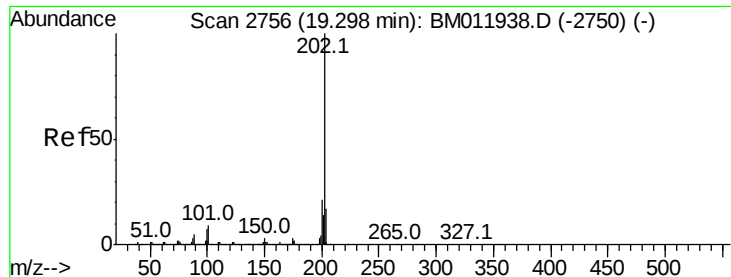
Abundance

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





#74

Fluoranthene

Concen: 35.840 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Instrument :

BNA_M

ClientSampleId :

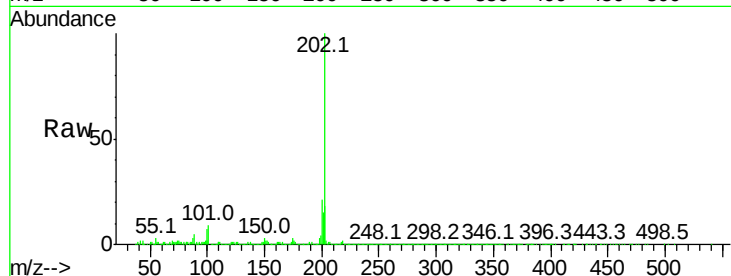
Tot Ion:202 Resp: 3192040

Ion Ratio Lower Upper

202 100

101 9.3 4.6 7.0#

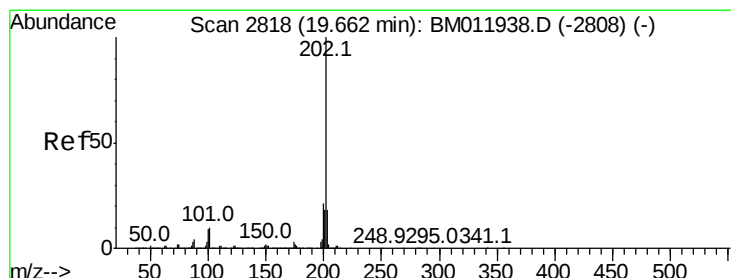
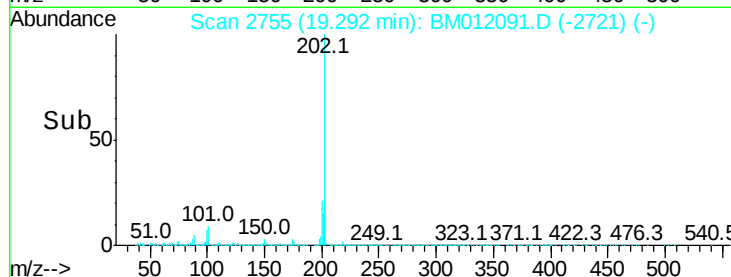
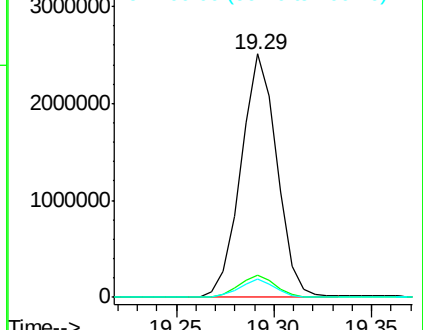
100 7.4 3.4 5.2#



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: 34.290 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

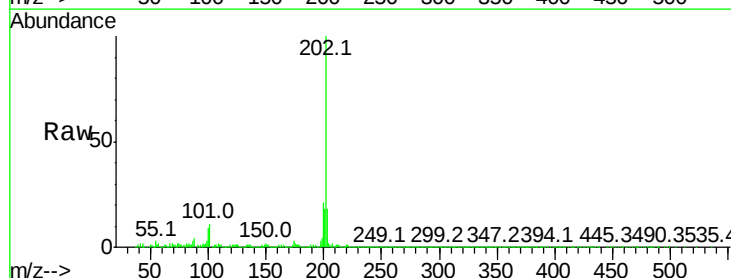
Tgt Ion:202 Resp: 3013214

Ion Ratio Lower Upper

202 100

101 10.8 5.1 7.7#

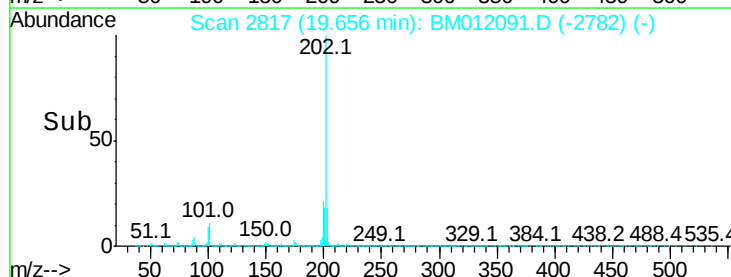
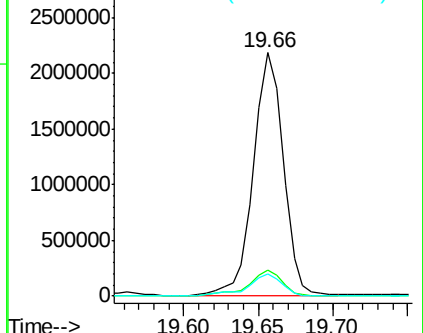
100 9.0 4.9 7.3#

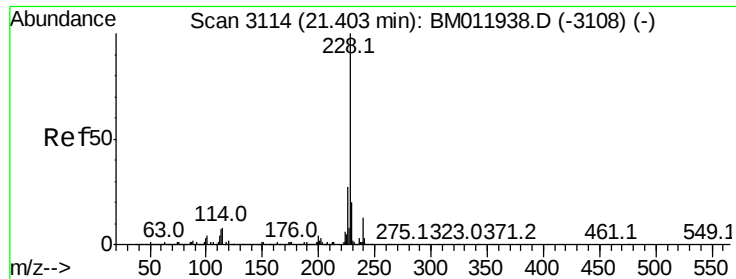


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 41.669 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

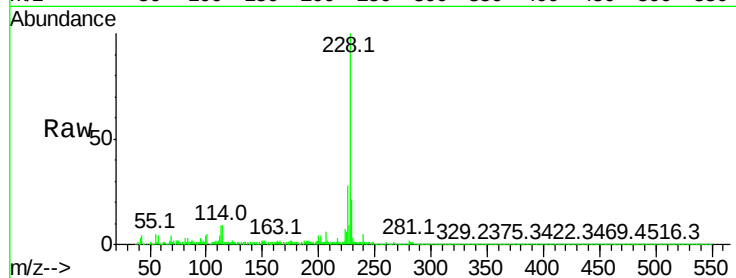
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 3783098

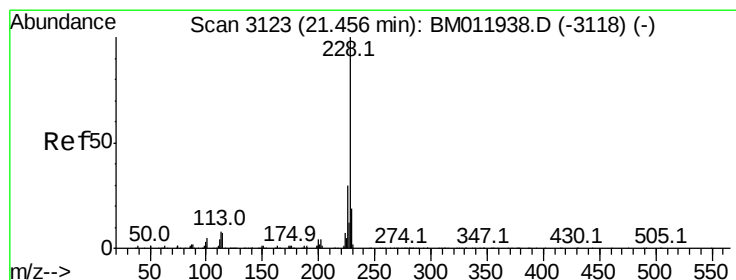
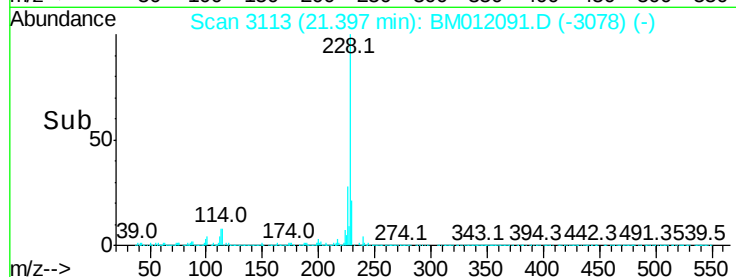
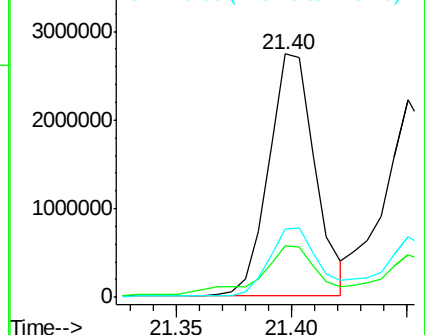
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.0
226	28.3	21.4	32.0



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



#82

Chrysene

Concen: 37.280 ng/ul

RT: 21.45 min Scan# 3122

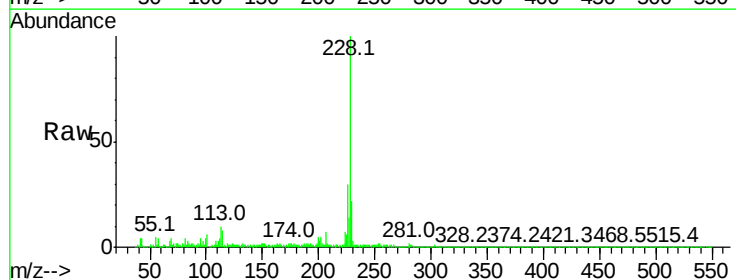
Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Tgt Ion:228 Resp: 3215911

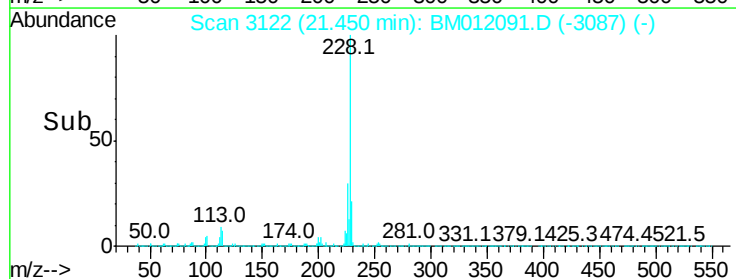
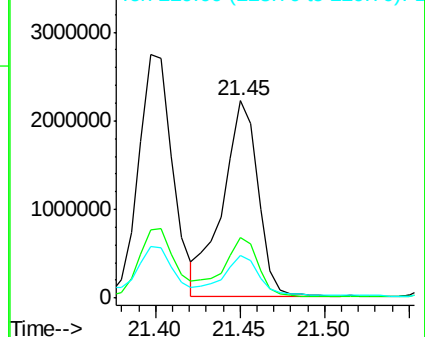
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.6	15.5	23.3

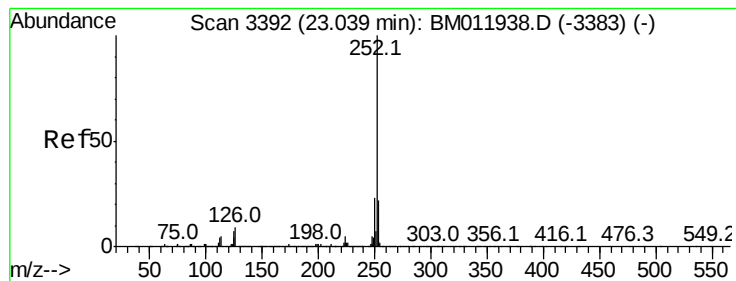


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 58.174 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Instrument :

BNA_M

ClientSampleId :

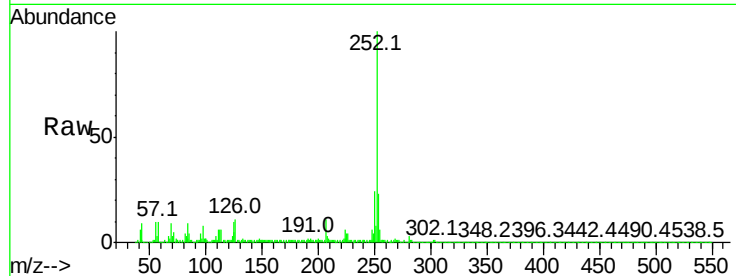
Tot Ion:252 Resp: 6045796

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

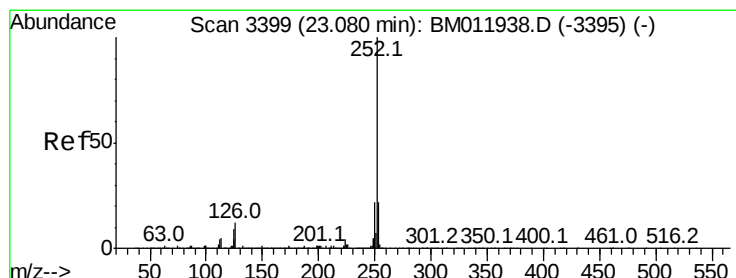
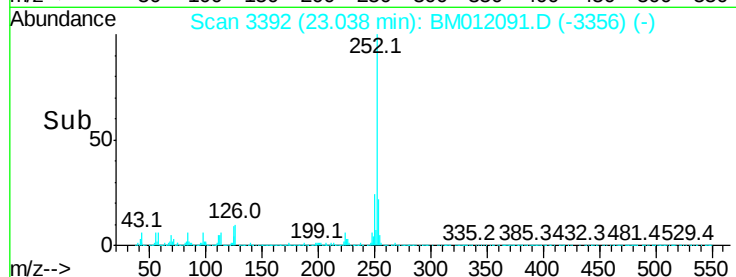
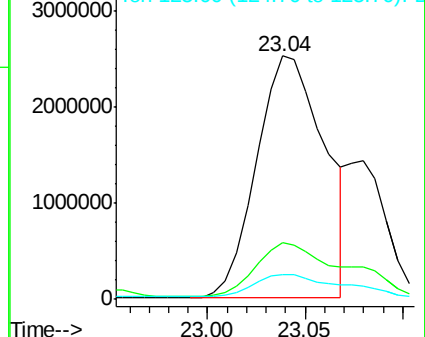
125 10.3 3.6 5.4#



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: 58.269 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.03 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

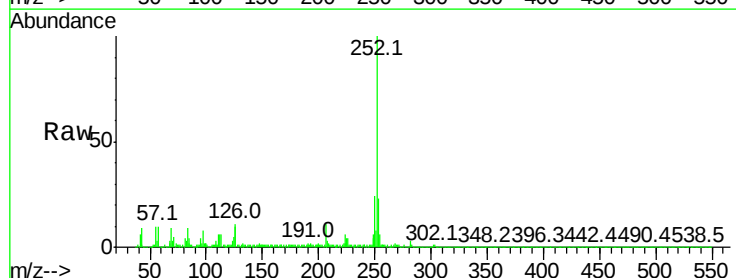
Tgt Ion:252 Resp: 6045796

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

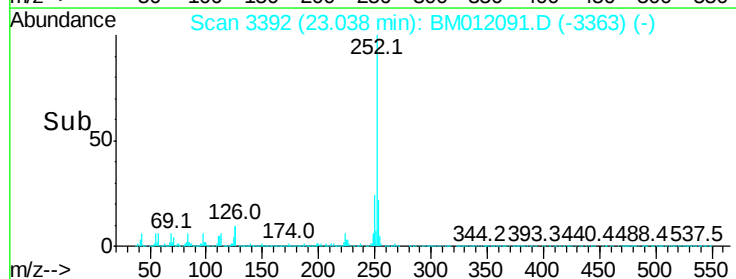
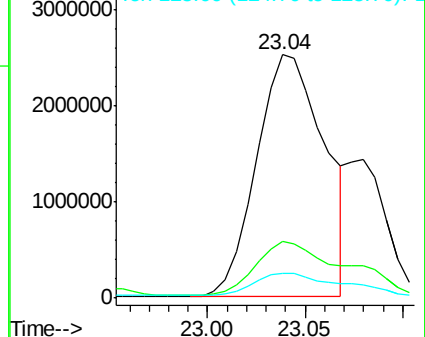
125 10.3 3.4 5.2#

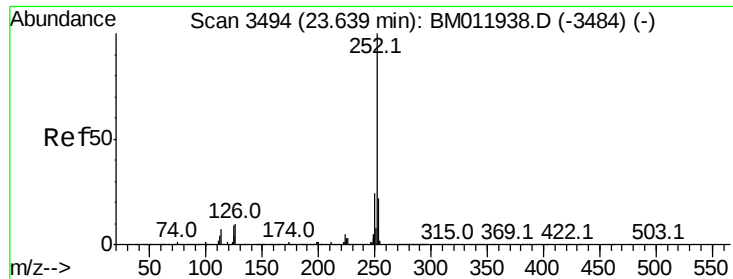


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 46.514 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.02 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Instrument :

BNA_M

ClientSampleId :

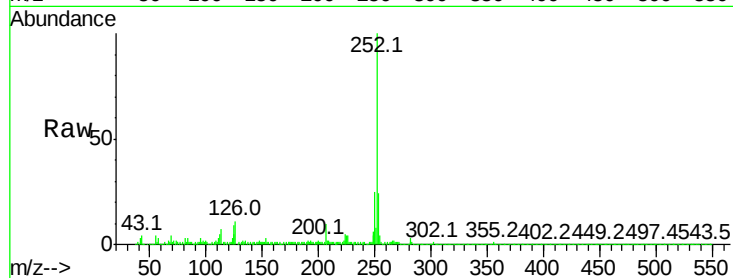
Tot Ion:252 Resp: 4644957

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

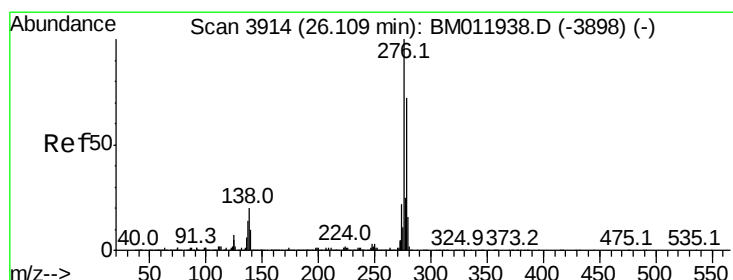
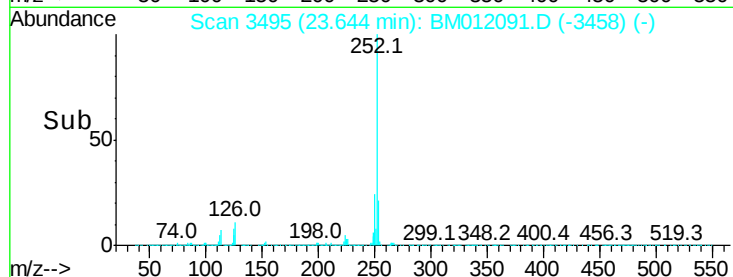
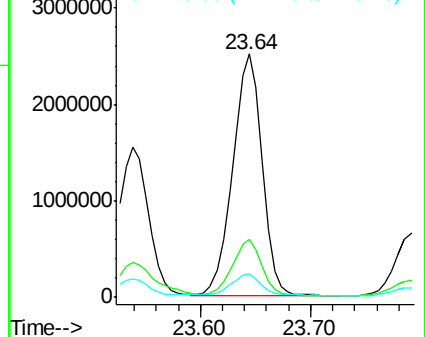
125 9.4 4.0 6.0#



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: 31.183 ng/ul

RT: 26.12 min Scan# 3916

Delta R.T. 0.03 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

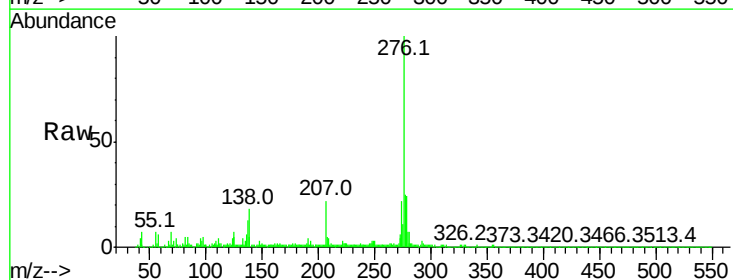
Tgt Ion:276 Resp: 3332318

Ion Ratio Lower Upper

276 100

138 18.1 9.3 13.9#

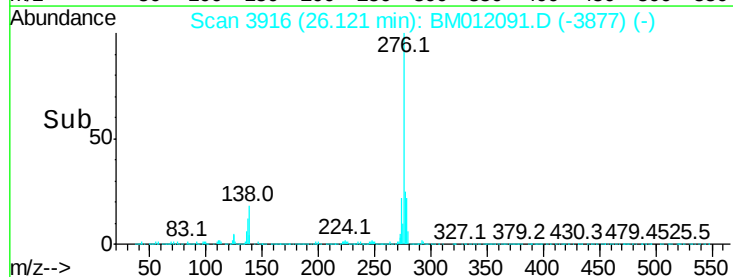
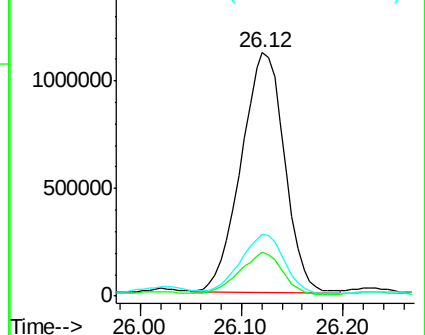
277 25.3 19.9 29.9

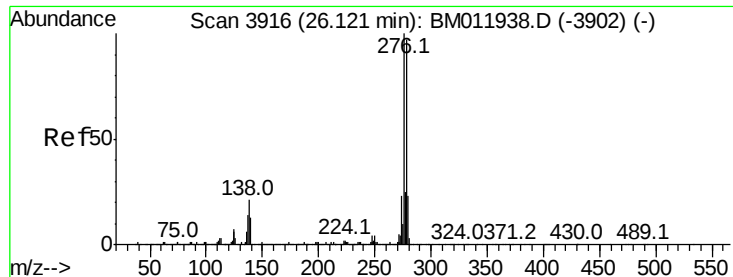


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.801 ng/ul

RT: 26.12 min Scan# 3916

Delta R.T. 0.02 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

Instrument :

BNA_M

ClientSampleId :

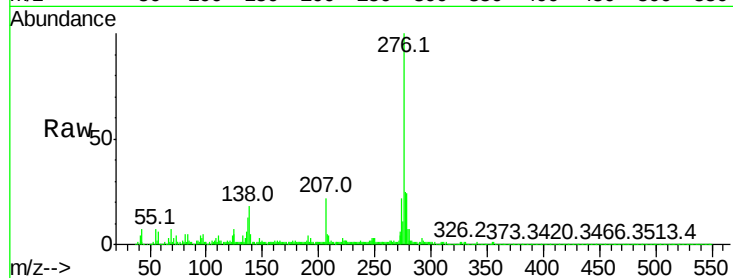
Tot Ion:278 Resp: 860611

Ion Ratio Lower Upper

278 100

139 20.2 5.8 8.8#

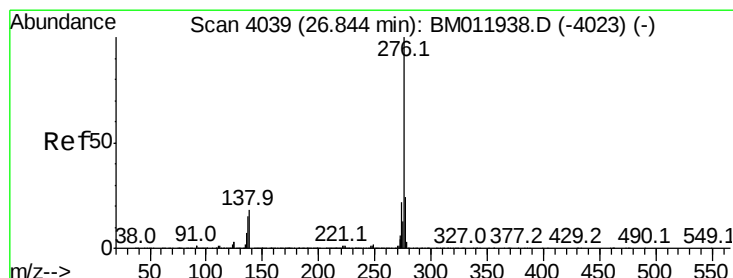
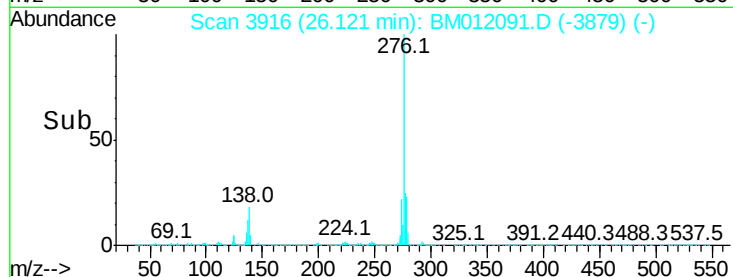
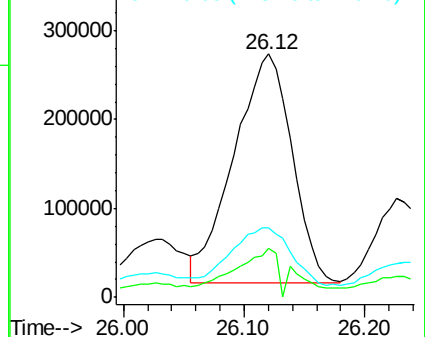
279 28.7 18.6 27.8#



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: 31.044 ng/ul

RT: 26.86 min Scan# 4042

Delta R.T. 0.04 min

Lab File: BM012091.D

Acq: 12 Oct 2017 04:50

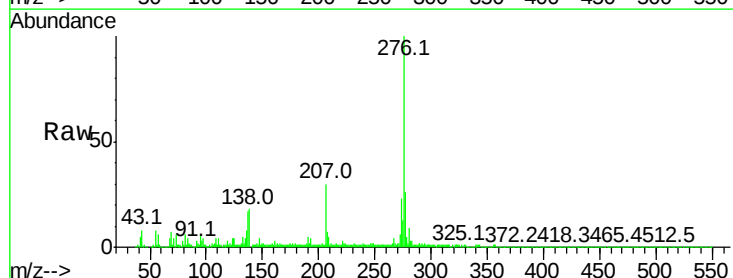
Tgt Ion:276 Resp: 2744182

Ion Ratio Lower Upper

276 100

138 17.6 8.5 12.7#

277 25.8 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

