

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012594.D
 Acq On : 31 Oct 2017 03:35
 Operator : SJ/JU
 Sample : I5886-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 04:53:10 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	377599	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1395381	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	794526	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1820715	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	2155803	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	2456039	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	40197	5.44	ng/uL	0.00
5) Phenol-d5	7.02	99	634085	20.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	442670	23.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	559737	23.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	438283	16.26	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	278990	31.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	310801	34.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	561558	23.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	487935	19.40	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1710534	24.64	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	2141698	26.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	169174	16.40	ng/ul	0.00
57) Fluorene-d10	15.47	176	1484947	25.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	185150	21.01	ng/ul	0.00
70) Anthracene-d10	17.33	188	2228936	25.69	ng/ul	0.00
76) Pyrene-d10	19.62	212	2511727	25.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	2900008	24.85	ng/ul	0.00

Target Compounds

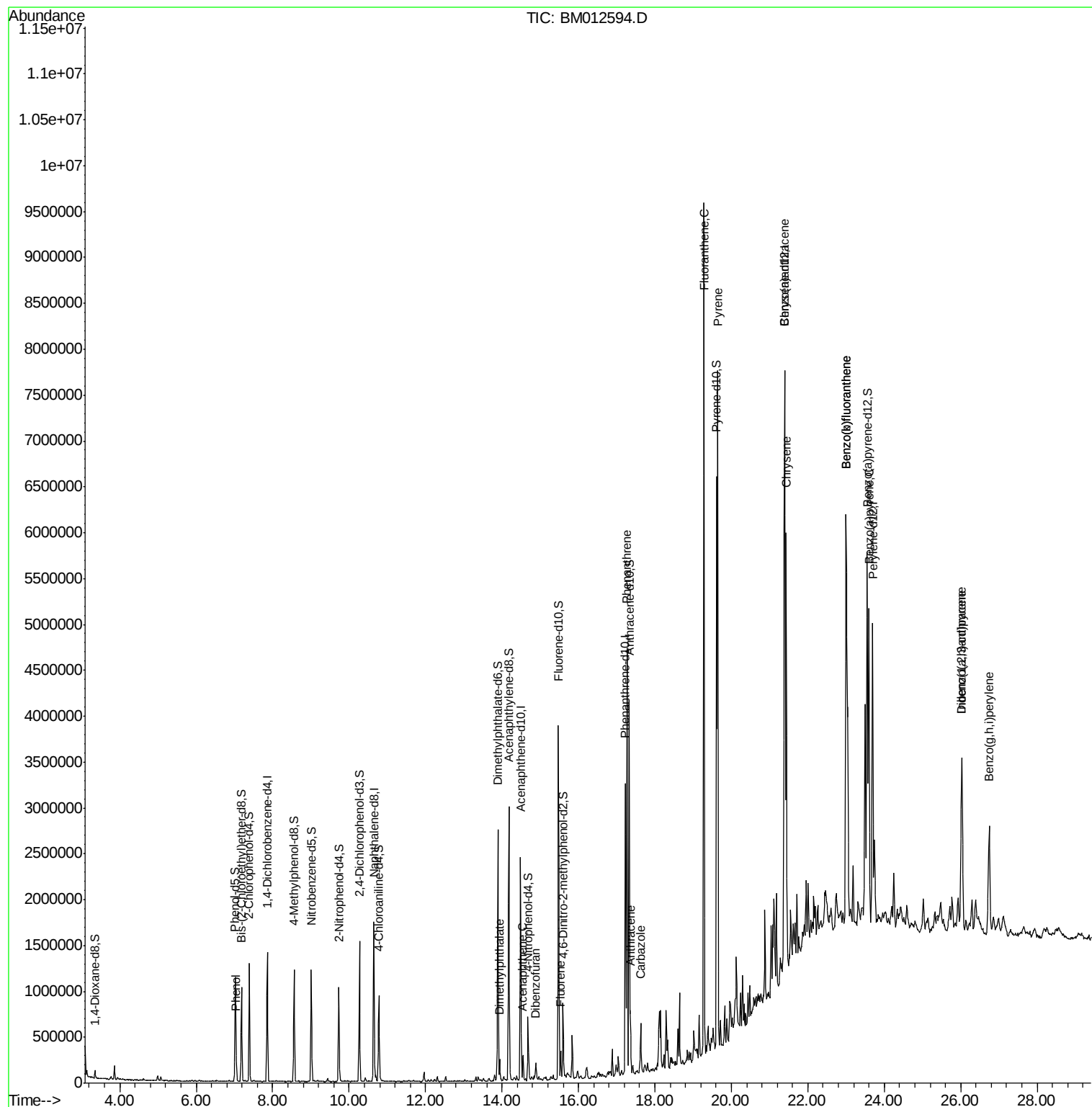
					Ovalue	
6) Phenol	7.05	94	96002	2.92	ng/ul#	81
44) Dimethylphthalate	13.94	163	129462	1.89	ng/ul	99
49) Acenaphthene	14.55	153	109739	2.04	ng/ul	97
53) Dibenzofuran	14.89	168	88844	1.12	ng/ul	89
58) Fluorene	15.53	166	100502	1.50	ng/ul	99
69) Phenanthrene	17.27	178	2797541	28.41	ng/ul	100
71) Anthracene	17.36	178	427092	4.20	ng/ul	99
72) Carbazole	17.63	167	310037	3.68	ng/ul	98
74) Fluoranthene	19.28	202	5411751	48.51	ng/ul#	91
77) Pyrene	19.64	202	4408966	35.96	ng/ul#	90
80) Benzo(a)anthracene	21.39	228	2384334	18.47	ng/ul	97
82) Chrysene	21.43	228	2737645	23.85	ng/ul	98
85) Benzo(b)fluoranthene	23.01	252	3844227	25.32	ng/ul#	98
86) Benzo(k)fluoranthene	23.01	252	3844227	26.90	ng/ul#	97
88) Benzo(a)pyrene	23.60	252	2444926	16.89	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.03	276	1965772	11.54	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.03	278	536756	3.72	ng/ul#	92
91) Benzo(g,h,i)perylene	26.74	276	1577653	11.43	ng/ul#	97

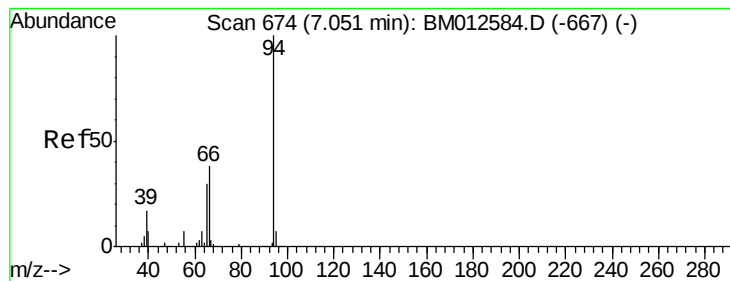
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.92 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampleId :

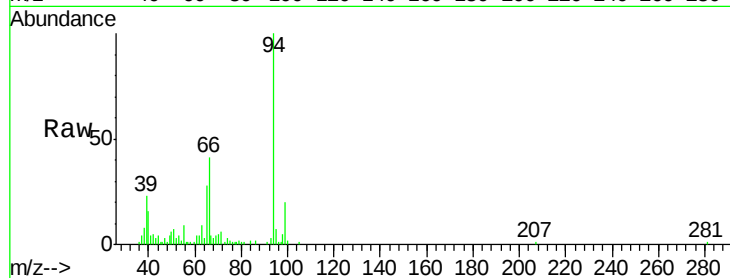
Tot Ion: 94 Resp: 96002

Ion Ratio Lower Upper

94 100

65 28.3 28.2 42.4

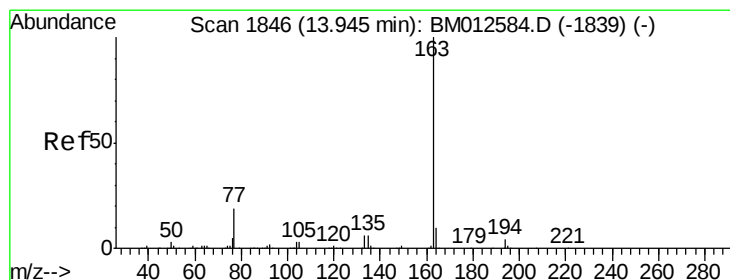
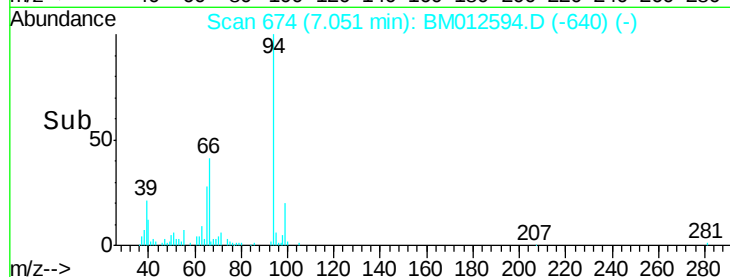
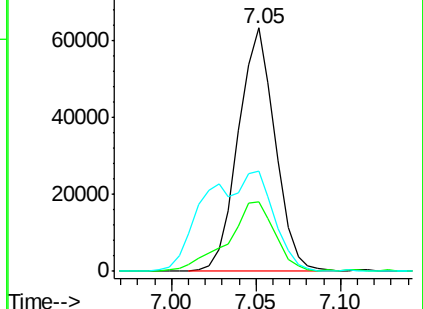
66 41.4 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012584.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM012584.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM012584.D (-667) (-)



#44

Dimethylphthalate

Concen: 1.89 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

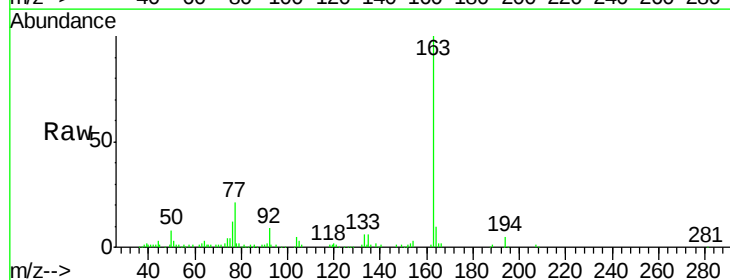
Tgt Ion: 163 Resp: 129462

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

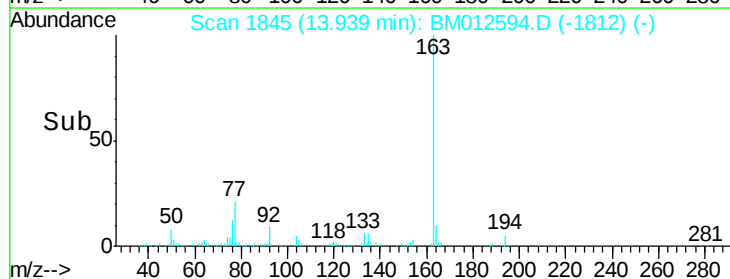
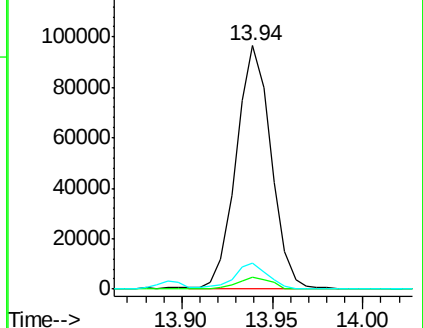
164 10.5 8.2 12.4

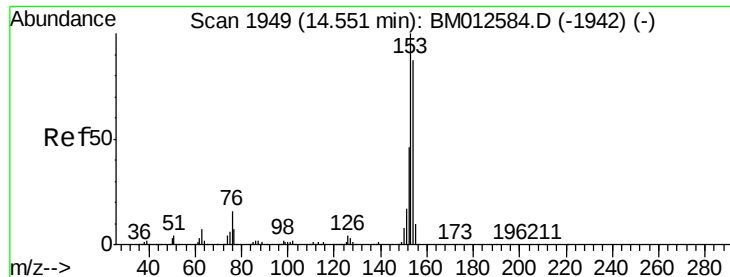


Abundance Ion 163.00 (162.70 to 163.70): BM012584.D (-1839) (-)

Ion 194.00 (193.70 to 194.70): BM012584.D (-1839) (-)

Ion 164.00 (163.70 to 164.70): BM012584.D (-1839) (-)





#49

Acenaphthene

Concen: 2.04 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampleId :

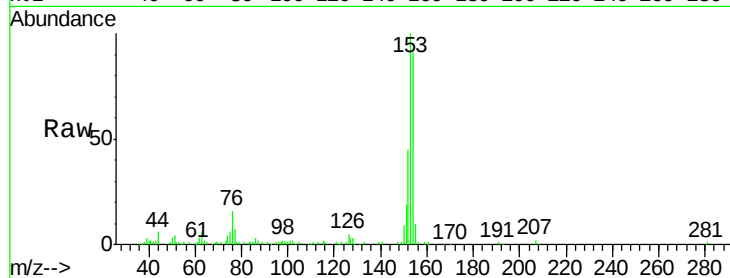
Tot Ion:153 Resp: 109739

Ion Ratio Lower Upper

153 100

152 45.0 37.6 56.4

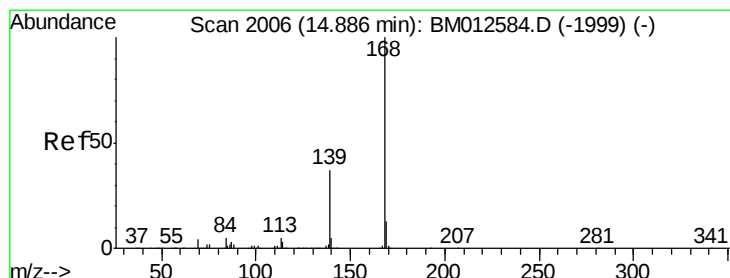
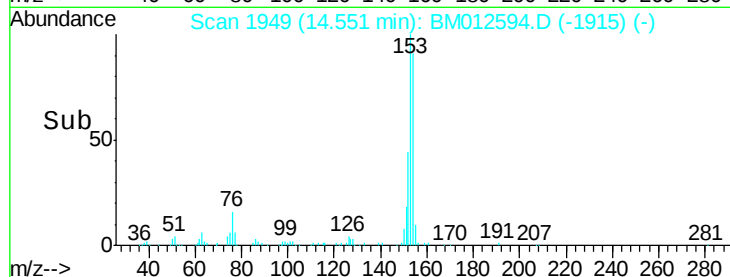
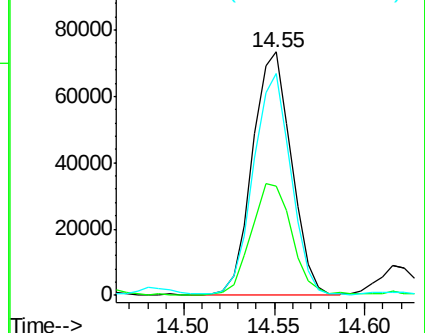
154 91.2 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.12 ng/ul

RT: 14.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BM012594.D

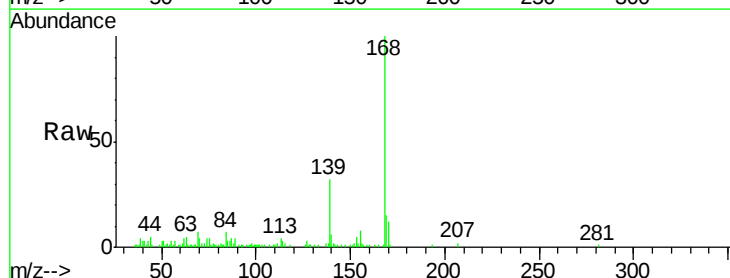
Acq: 31 Oct 2017 03:35

Tgt Ion:168 Resp: 88844

Ion Ratio Lower Upper

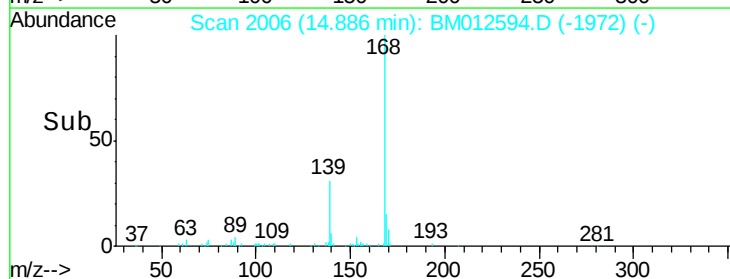
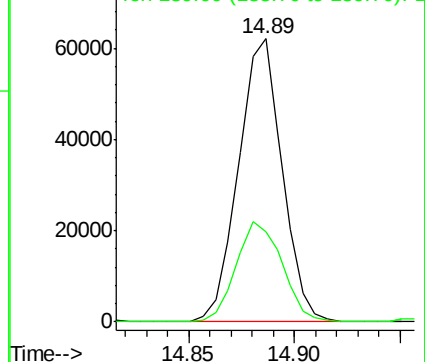
168 100

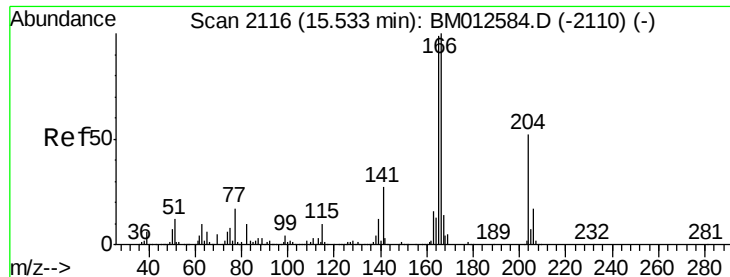
139 31.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.50 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampleId :

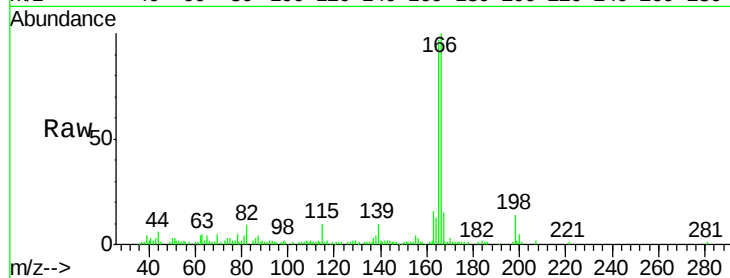
Tot Ion:166 Resp: 100502

Ion Ratio Lower Upper

166 100

165 96.7 77.9 116.9

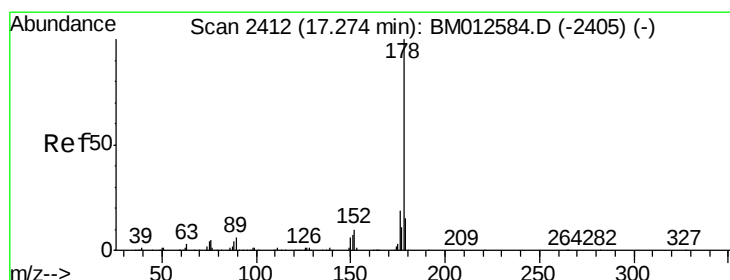
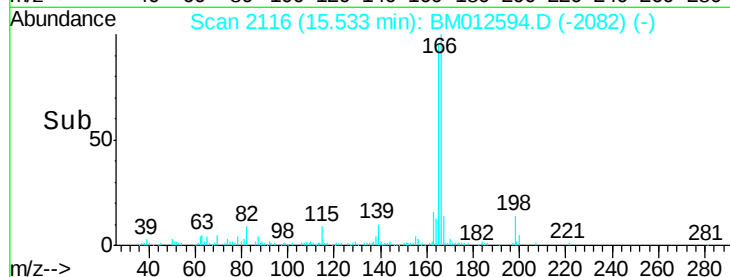
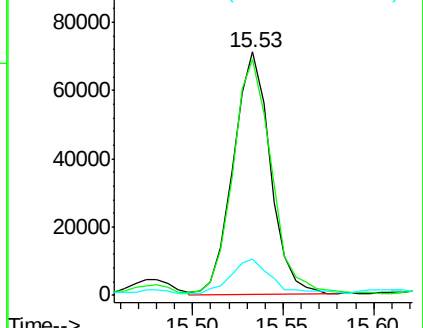
167 14.9 10.6 16.0



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: 28.41 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

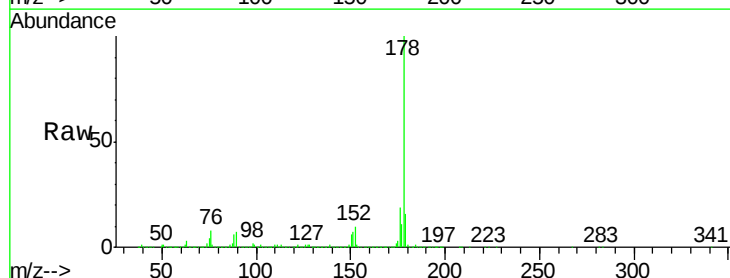
Tgt Ion:178 Resp: 2797541

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

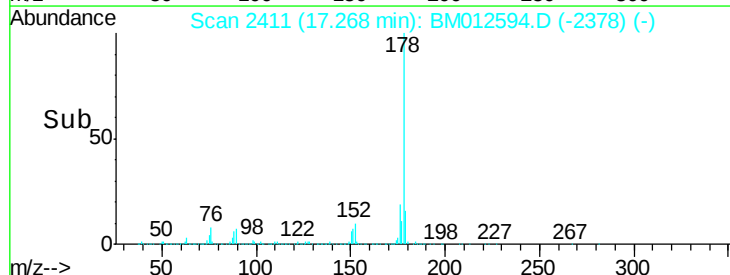
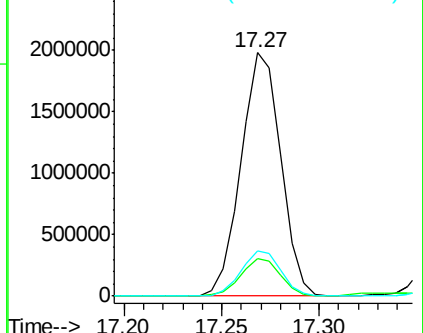
176 18.6 14.9 22.3

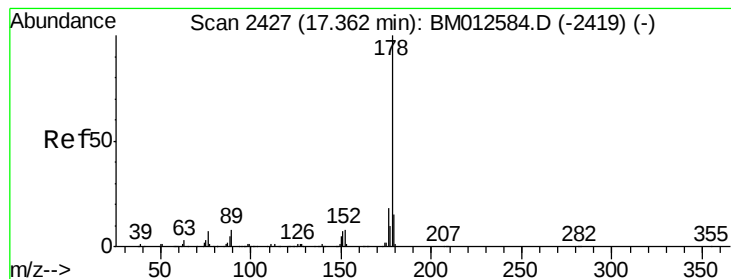


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.20 ng/ul

RT: 17.36 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampleId :

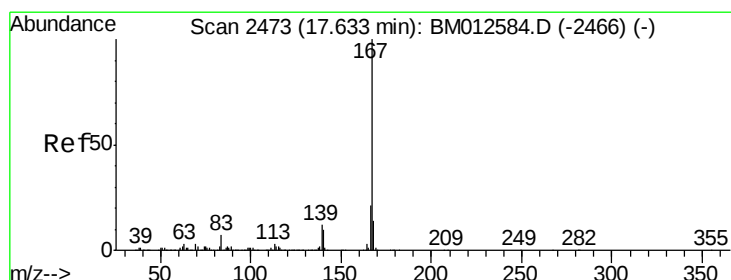
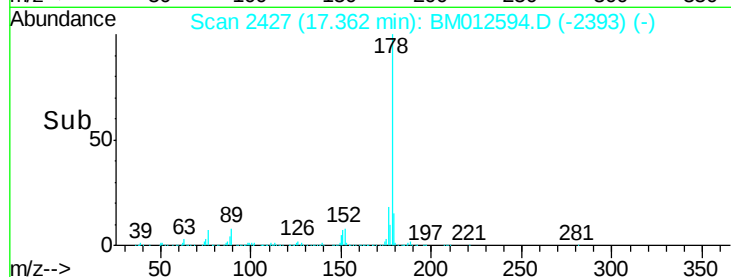
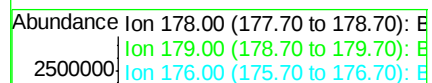
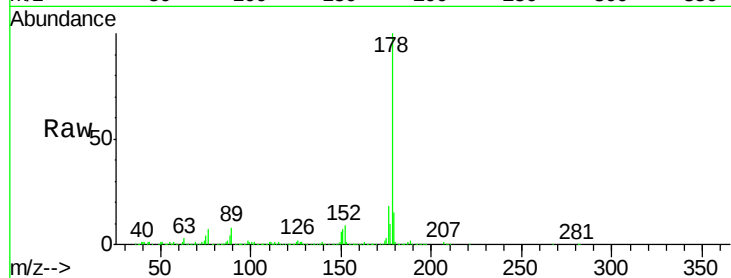
Tot Ion:178 Resp: 427092

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.7	17.5
176	18.1	14.6	21.8

178 100

179 15.4 11.7 17.5

176 18.1 14.6 21.8



#72

Carbazole

Concen: 3.68 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

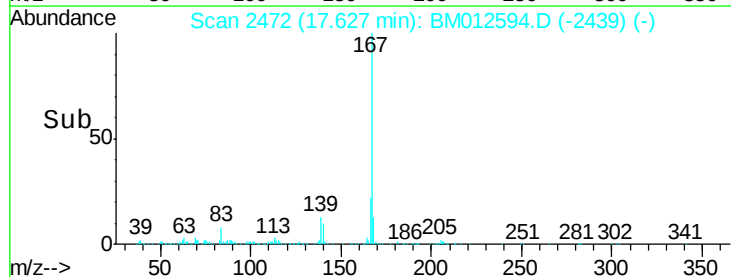
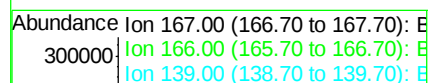
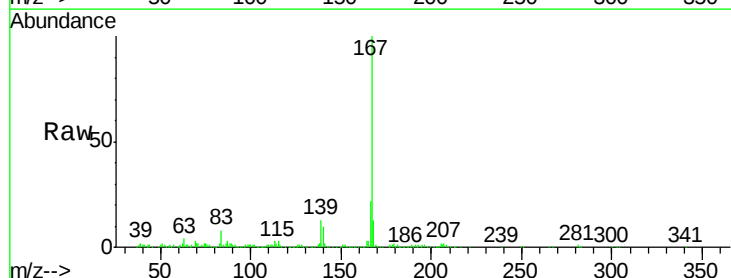
Tgt Ion:167 Resp: 310037

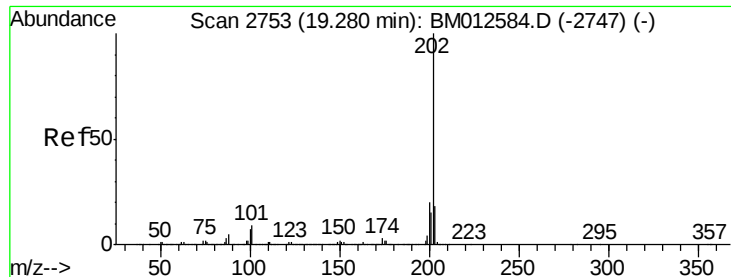
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.1	25.7
139	13.1	10.0	15.0

167 100

166 22.5 17.1 25.7

139 13.1 10.0 15.0





#74

Fluoranthene

Concen: 48.51 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampled :

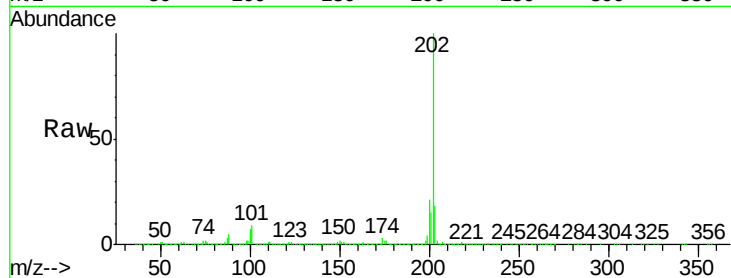
Tot Ion:202 Resp: 5411751

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

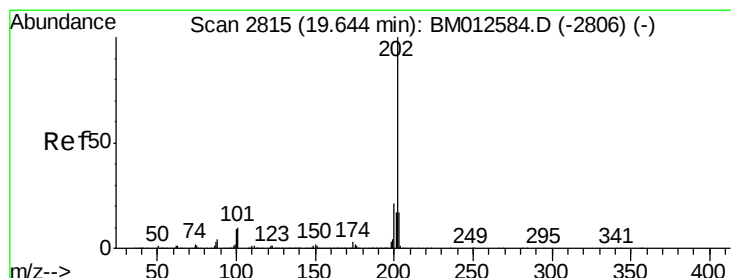
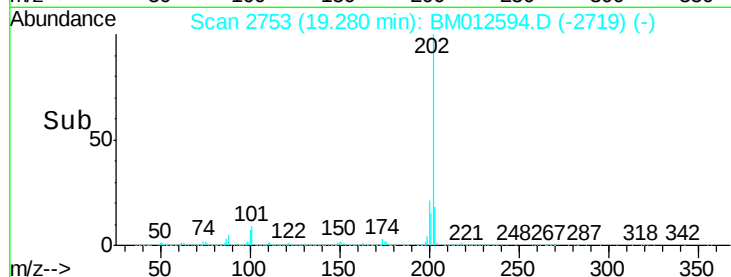
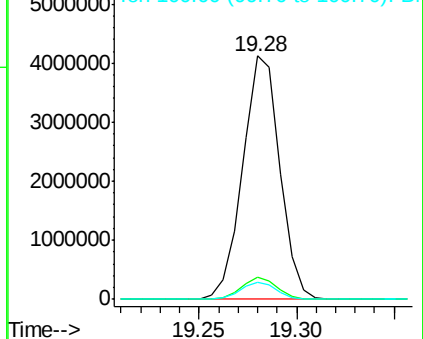
100 7.1 3.4 5.2#



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: 35.96 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

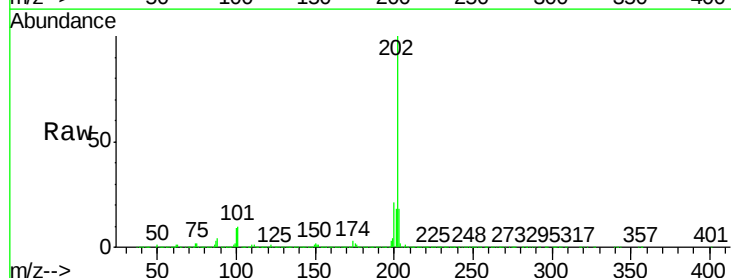
Tgt Ion:202 Resp: 4408966

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

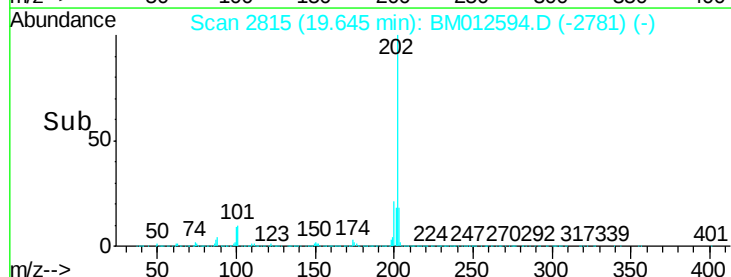
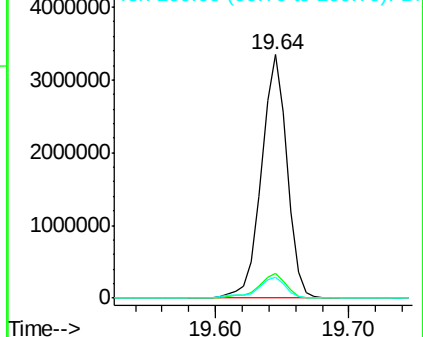
100 8.5 4.9 7.3#

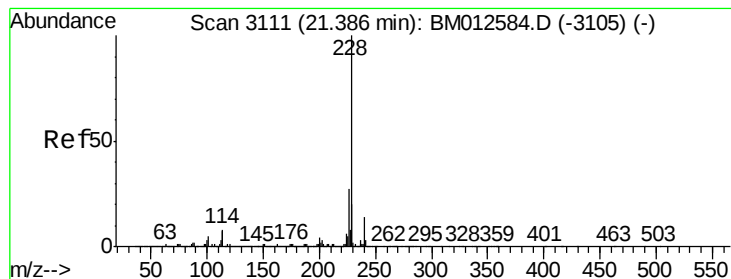


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

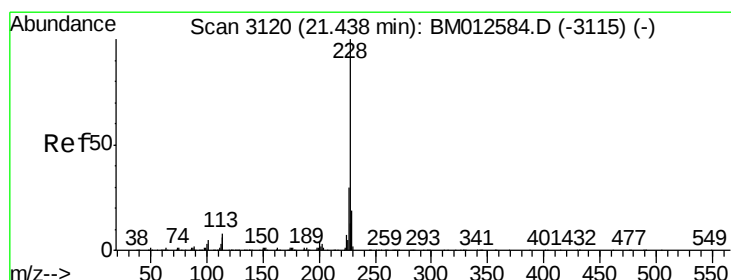
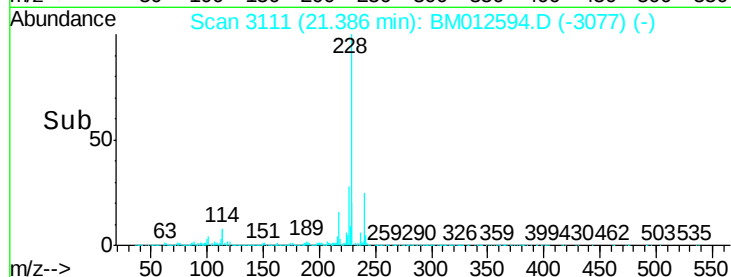
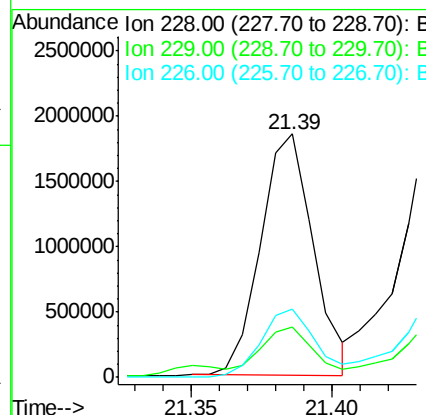
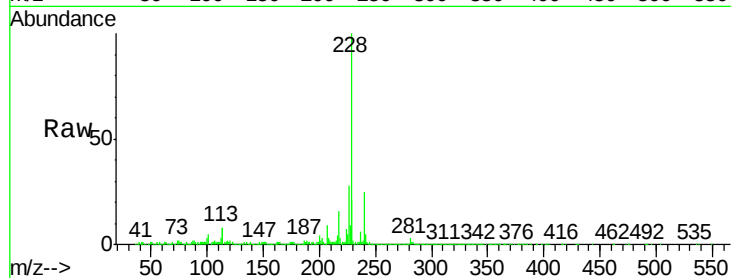




#80
Benzo(a)anthracene
Concen: 18.47 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM012594.D
Acq: 31 Oct 2017 03:35

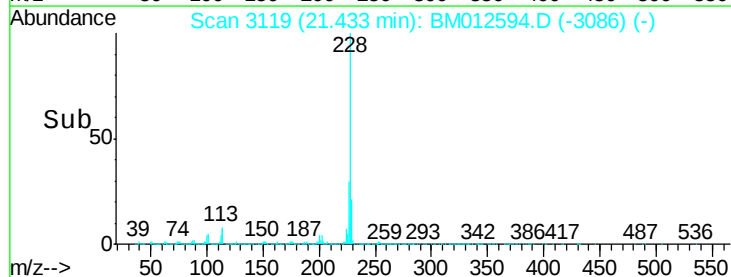
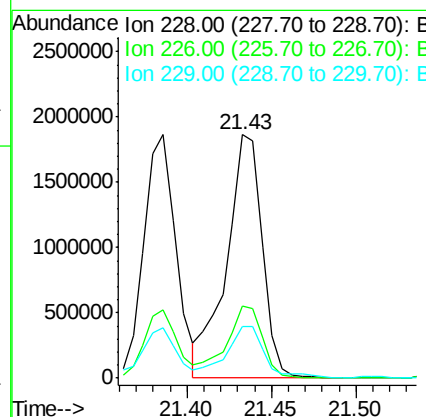
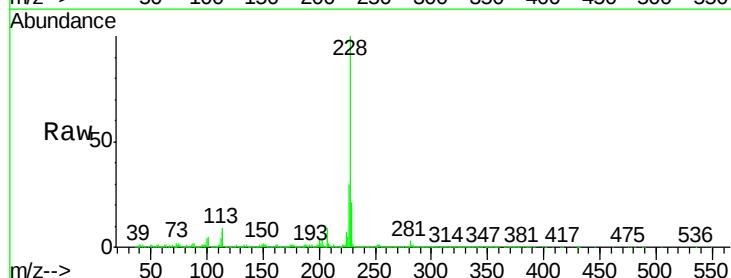
Instrument :
BNA_M
ClientSampled :

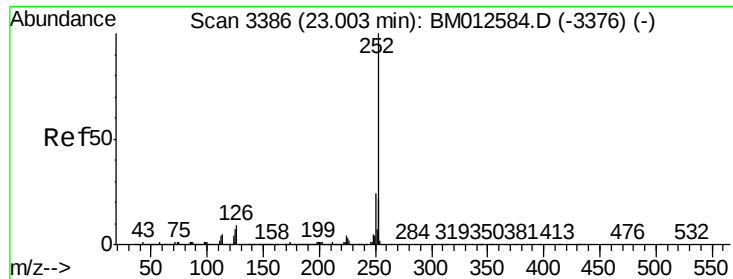
Tot Ion:228 Resp: 2384334
Ion Ratio Lower Upper
228 100
229 20.6 15.4 23.0
226 27.8 21.4 32.0



#82
Chrysene
Concen: 23.85 ng/ul
RT: 21.43 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM012594.D
Acq: 31 Oct 2017 03:35

Tgt Ion:228 Resp: 2737645
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 21.4 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 25.32 ng/ul

RT: 23.01 min Scan# 3387

Delta R.T. 0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampled :

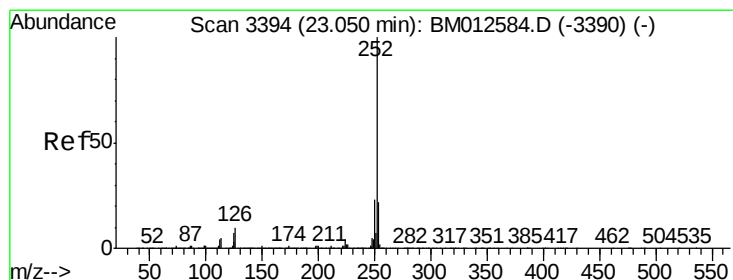
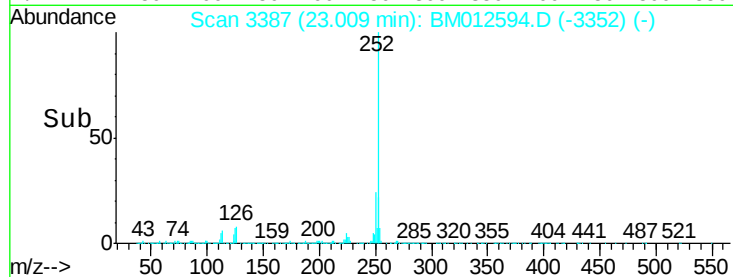
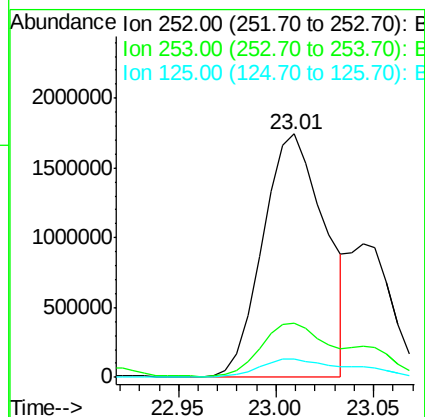
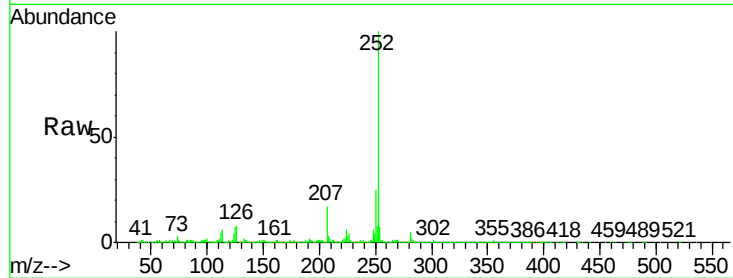
Tot Ion:252 Resp: 3844227

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 7.3 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 26.90 ng/ul

RT: 23.01 min Scan# 3387

Delta R.T. -0.04 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

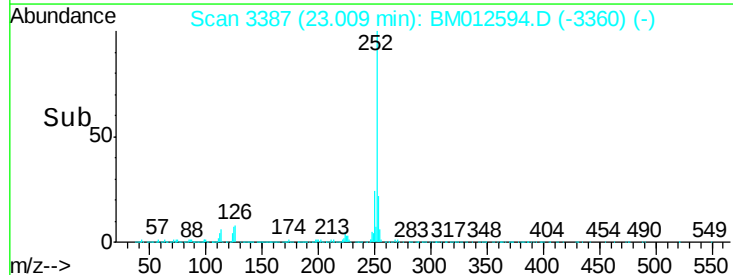
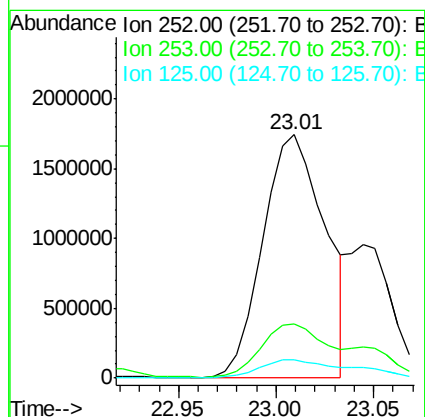
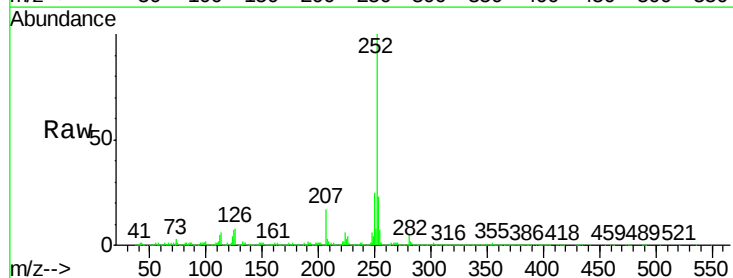
Tgt Ion:252 Resp: 3844227

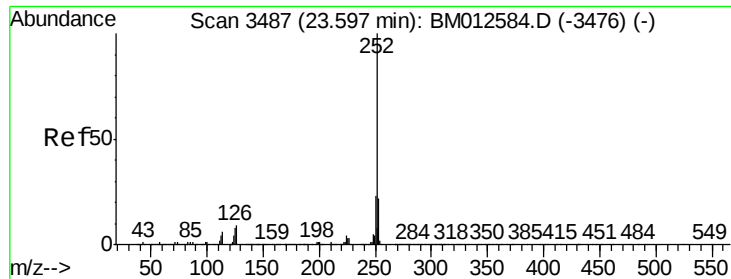
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 7.3 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 16.89 ng/ul

RT: 23.60 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

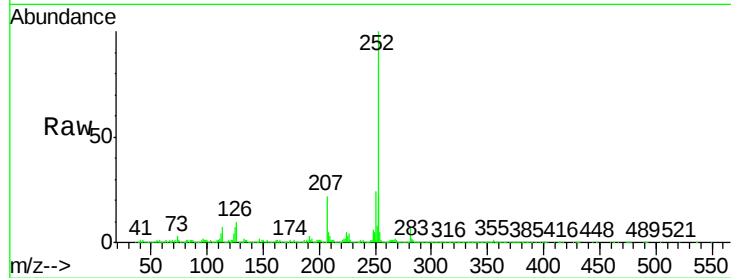
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 2444926

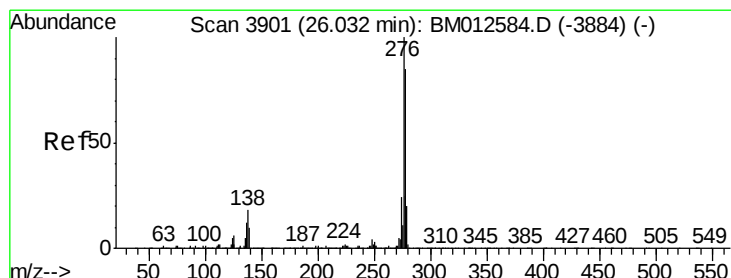
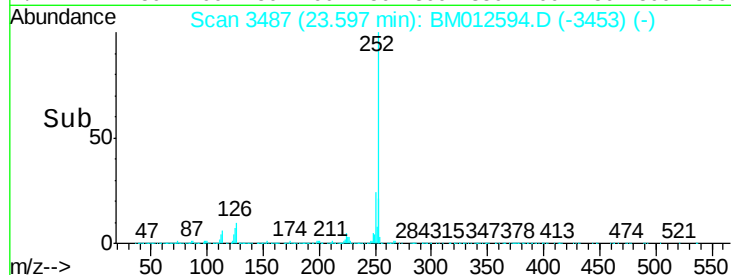
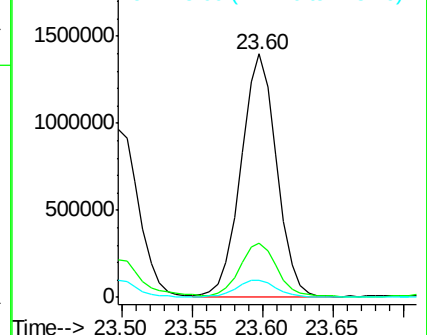
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	7.2	4.0	6.0



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: 11.54 ng/ul

RT: 26.03 min Scan# 3900

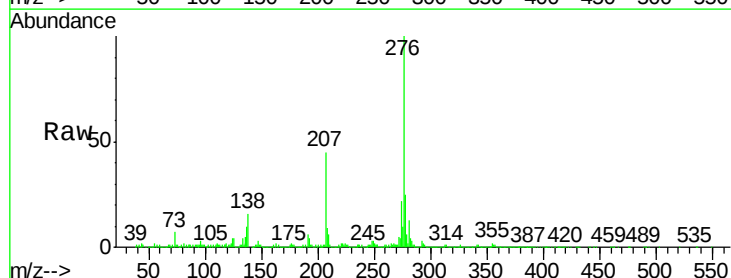
Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Tgt Ion:276 Resp: 1965772

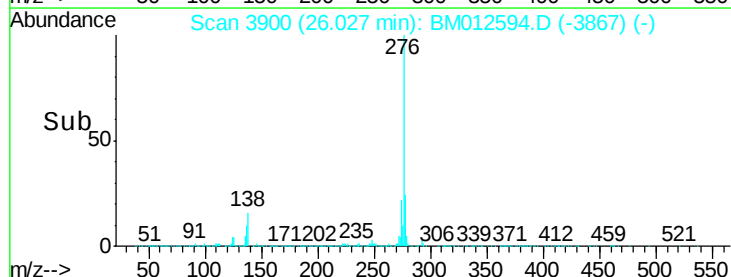
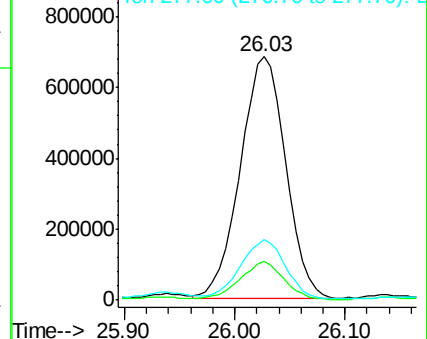
Ion	Ratio	Lower	Upper
276	100		
138	15.7	9.3	13.9
277	24.8	19.9	29.9

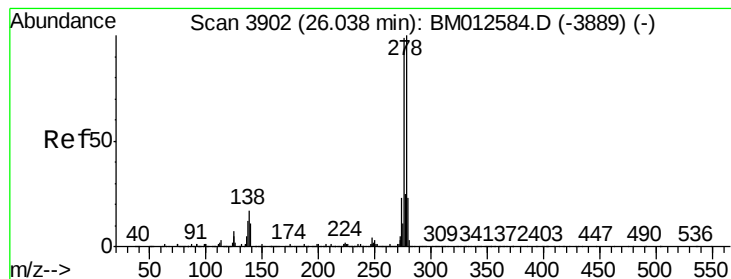


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.72 ng/ul

RT: 26.03 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

Instrument :

BNA_M

ClientSampleId :

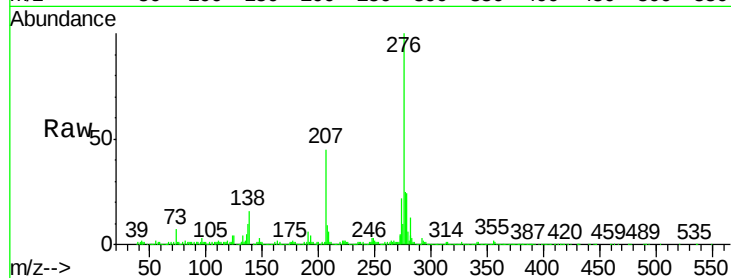
Tot Ion:278 Resp: 536756

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

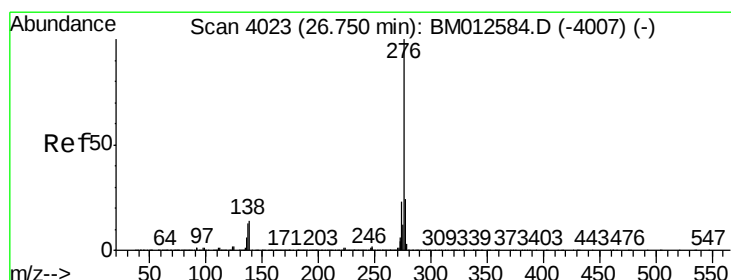
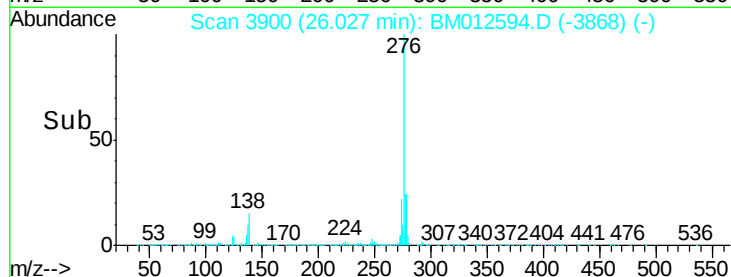
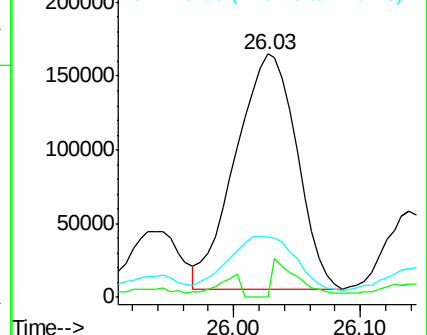
279 24.8 18.6 27.8



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: 11.43 ng/ul

RT: 26.74 min Scan# 4022

Delta R.T. -0.01 min

Lab File: BM012594.D

Acq: 31 Oct 2017 03:35

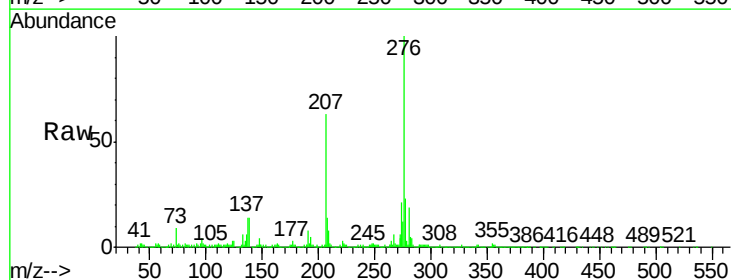
Tgt Ion:276 Resp: 1577653

Ion Ratio Lower Upper

276 100

138 14.2 8.5 12.7#

277 23.4 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

