

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014383.D
 Acq On : 27 Feb 2018 15:25
 Operator : SJ/JU
 Sample : J1631-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y5

Quant Time: Feb 27 16:59:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	102457	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	439838	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	247305	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	517540	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	478109	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	481908	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	10609	4.43	ng/uL	0.00
5) Phenol-d5	6.73	99	213544	24.66	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	140678	26.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	188133	28.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	146329	19.31	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	93557	28.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	105466	31.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	189659	27.22	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	82650	12.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	624124	30.56	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	774049	30.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	64510	22.88	ng/ul	0.02
57) Fluorene-d10	15.18	176	532813	29.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	30836	9.93	ng/ul	0.01
70) Anthracene-d10	17.04	188	786825	31.51	ng/ul	0.00
76) Pyrene-d10	19.35	212	817015	33.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	729127	31.09	ng/ul	0.02

Target Compounds

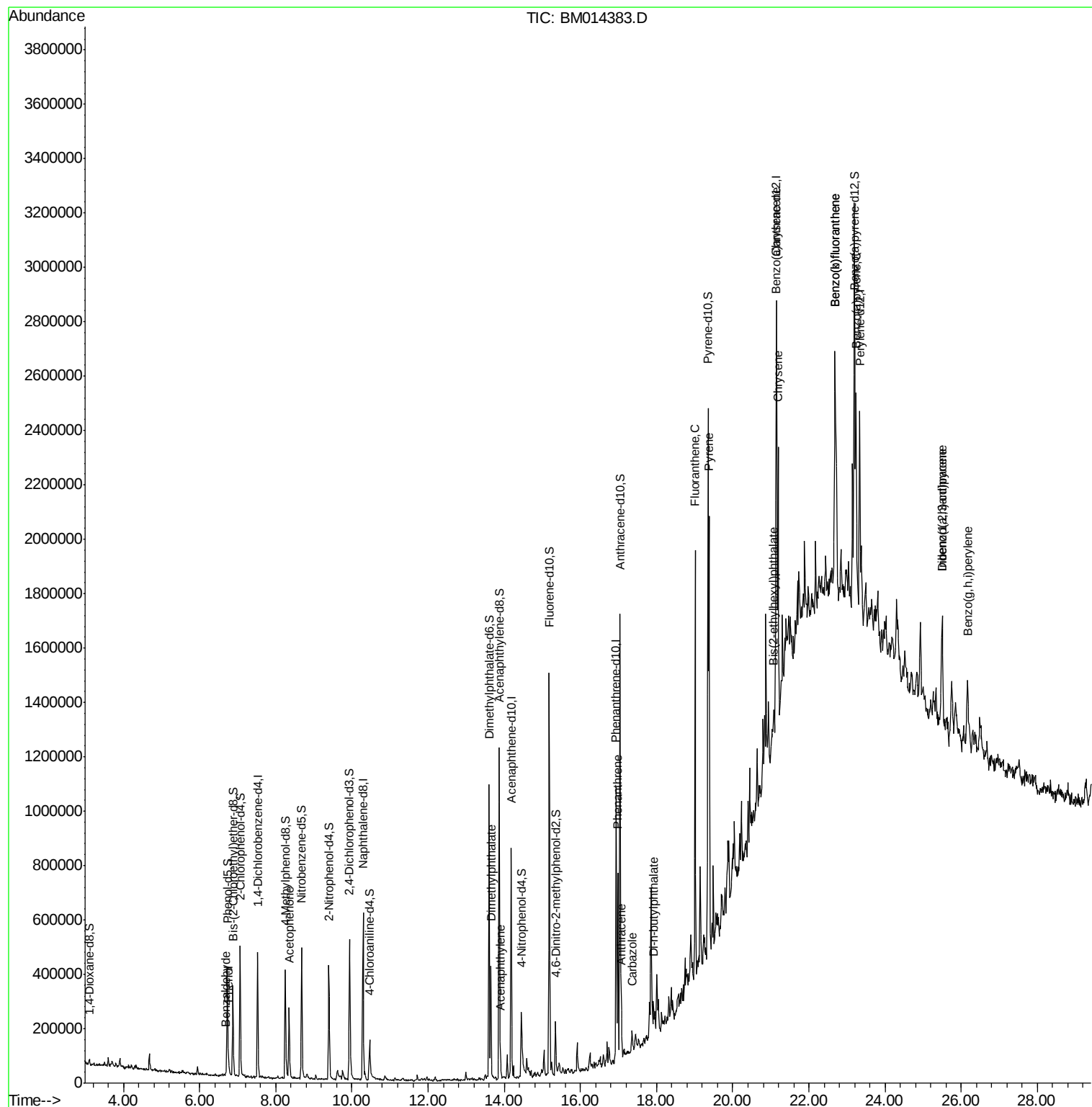
					Ovalue	
4) Benzaldehyde	6.69	77	3598	1.019	ng/ul#	85
6) Phenol	6.76	94	22375	2.462	ng/ul	89
14) Acetophenone	8.35	105	129831	9.932	ng/ul	94
44) Dimethylphthalate	13.65	163	220891	10.968	ng/ul	99
47) Acenaphthylene	13.90	152	40997	1.722	ng/ul	97
69) Phenanthrene	16.98	178	380120	12.748	ng/ul	98
71) Anthracene	17.07	178	95126	3.172	ng/ul	97
72) Carbazole	17.36	167	36001	1.428	ng/ul#	96
73) Di-n-butylphthalate	17.92	149	69481	2.136	ng/ul#	93
74) Fluoranthene	19.02	202	889275	24.962	ng/ul#	96
77) Pyrene	19.38	202	894000	28.136	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	491339	16.466	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	29105	1.547	ng/ul	96
82) Chrysene	21.19	228	520988	18.716	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	694020	21.508	ng/ul#	95
86) Benzo(k)fluoranthene	22.69	252	694020	22.622	ng/ul#	93
88) Benzo(a)pyrene	23.24	252	478363	16.590	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.50	276	337408	12.059	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	102081	4.391	ng/ul#	65
91) Benzo(g,h,i)perylene	26.16	276	260163	11.478	ng/ul#	92

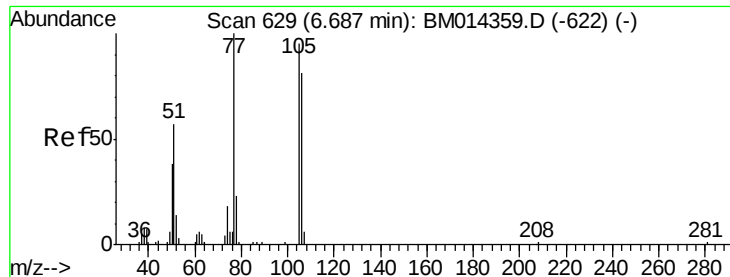
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.019 ng/ul

RT: 6.69 min Scan# 629

Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

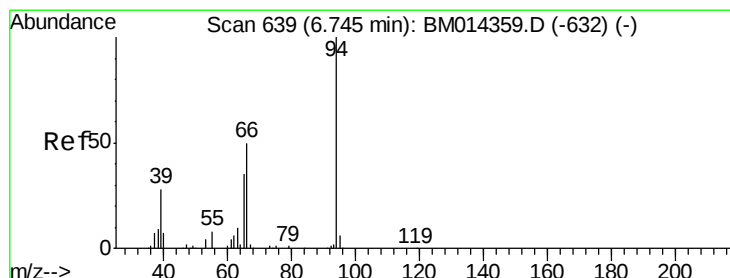
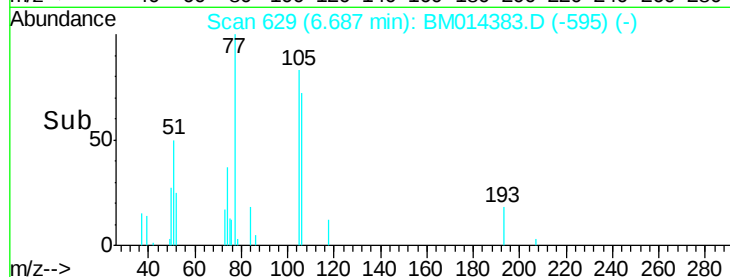
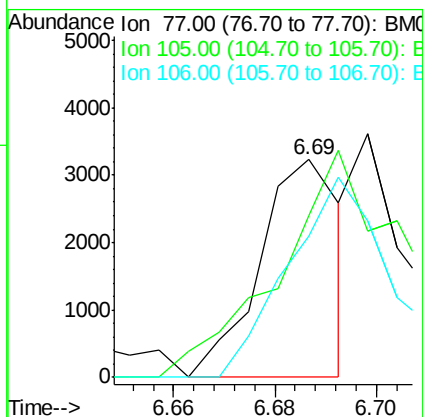
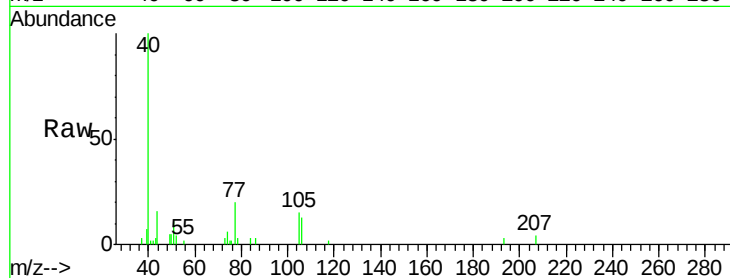
Tot Ion: 77 Resp: 3598

Ion Ratio Lower Upper

77 100

105 74.5 66.1 99.1

106 65.0 67.8 101.6#



#6

Phenol

Concen: 2.462 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

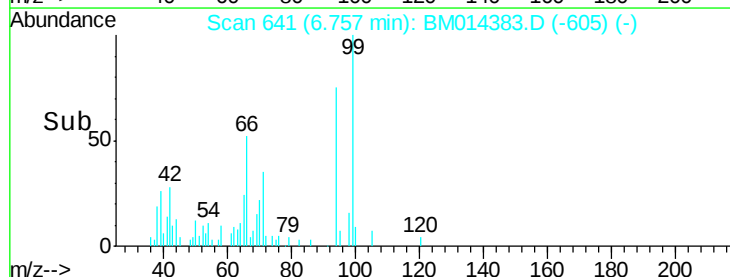
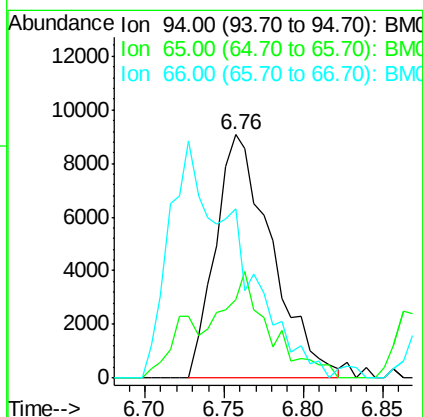
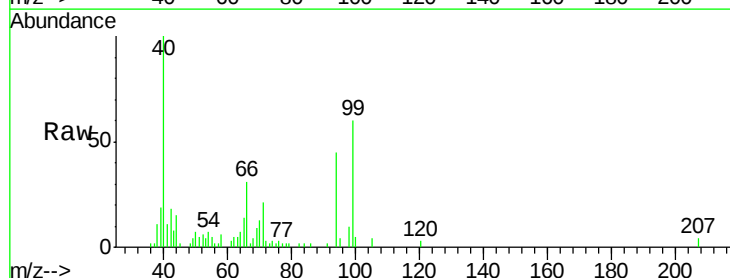
Tgt Ion: 94 Resp: 22375

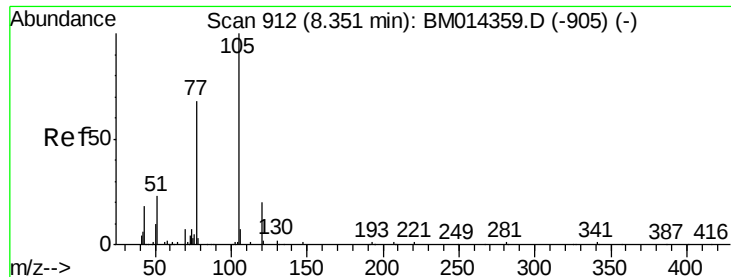
Ion Ratio Lower Upper

94 100

65 32.2 28.2 42.4

66 69.8 47.2 70.8





#14

Acetophenone

Concen: 9.932 ng/ul

RT: 8.35 min Scan# 911

Delta R.T. -0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

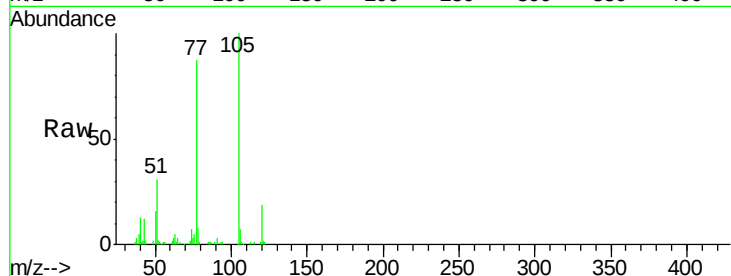
Tot Ion:105 Resp: 129831

Ion Ratio Lower Upper

105 100

77 86.5 74.2 111.4

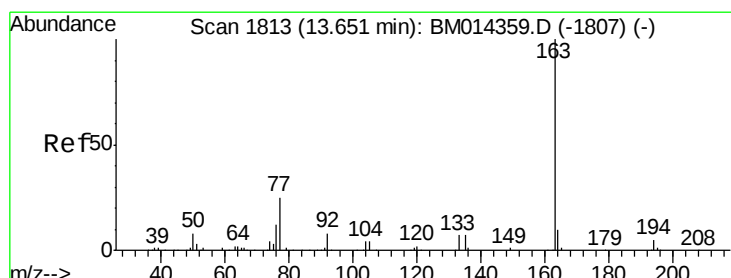
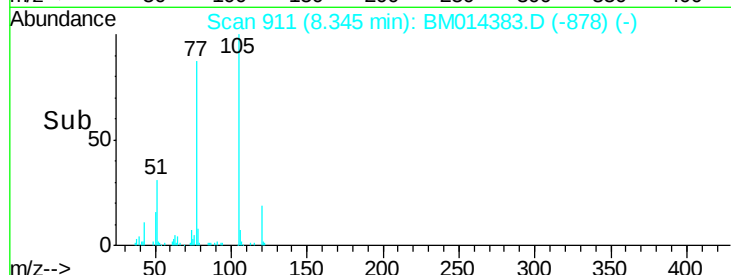
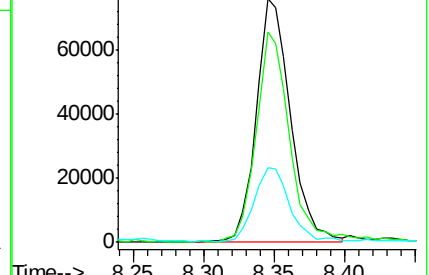
51 30.9 23.4 35.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#44

Dimethylphthalate

Concen: 10.968 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

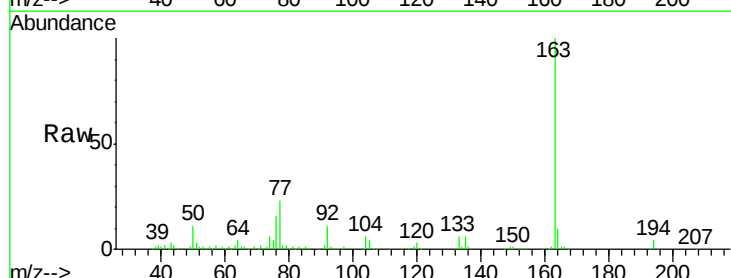
Tgt Ion:163 Resp: 220891

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

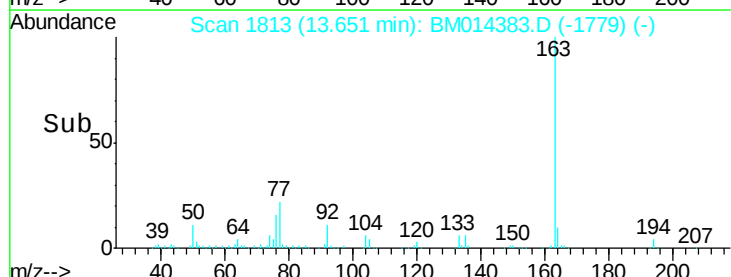
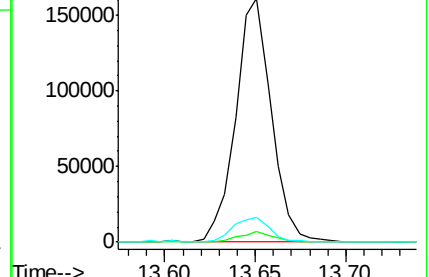
164 10.0 8.2 12.4

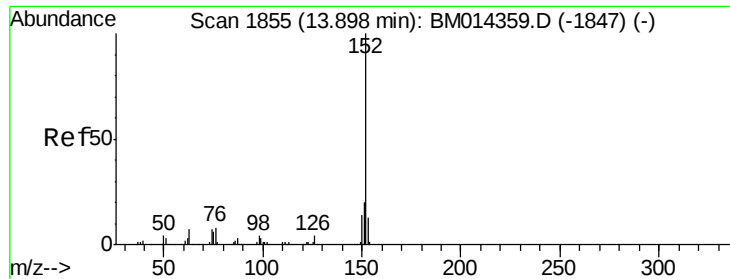


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.722 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

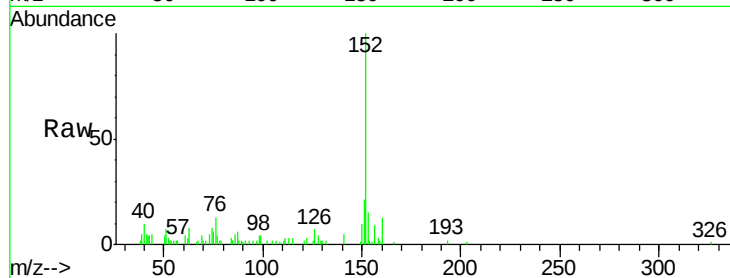
BNA_M

ClientSampleId :

BE5Y5

Tot Ion:152 Resp: 40997

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	14.6	10.2	15.4

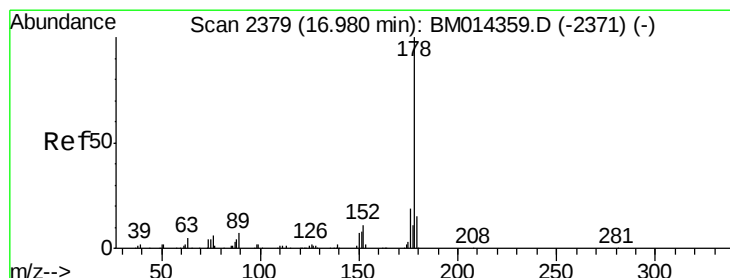
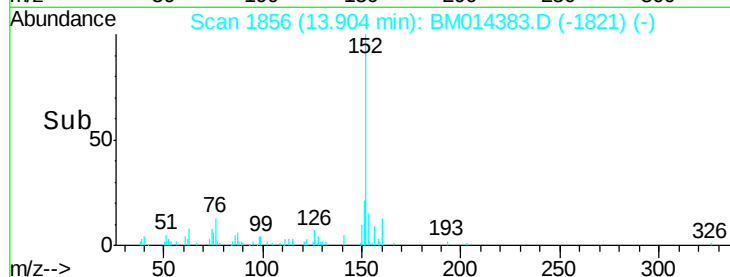
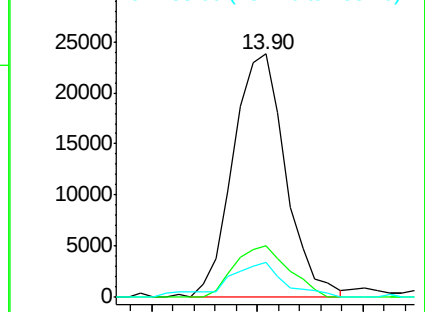


Abundance

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



#69

Phenanthrene

Concen: 12.748 ng/ul

RT: 16.98 min Scan# 2379

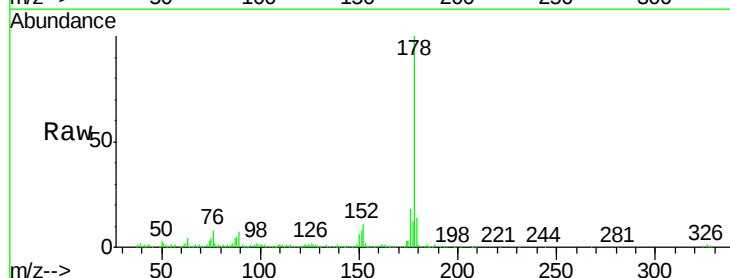
Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Tgt Ion:178 Resp: 380120

Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.6	19.0
176	17.9	14.9	22.3

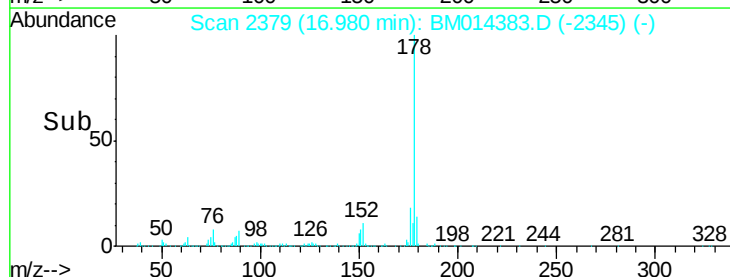
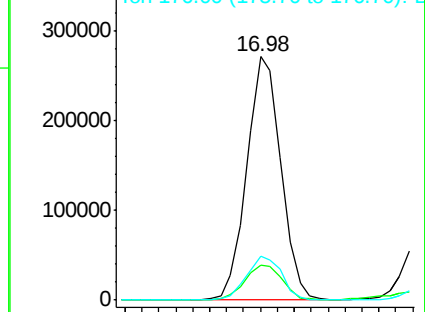


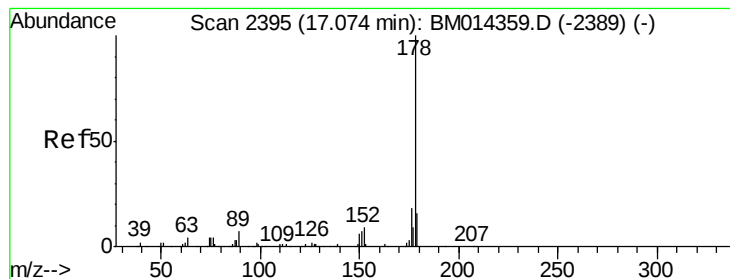
Abundance

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





#71

Anthracene

Concen: 3.172 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

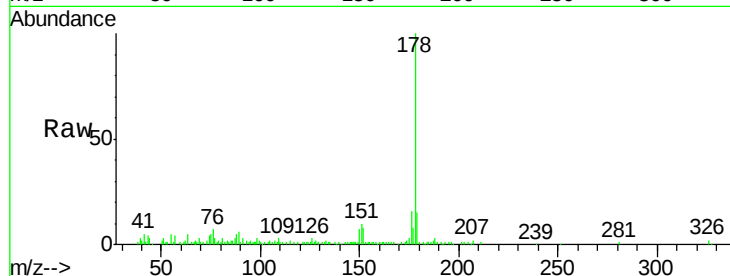
Tot Ion:178 Resp: 95126

Ion Ratio Lower Upper

178 100

179 14.8 11.7 17.5

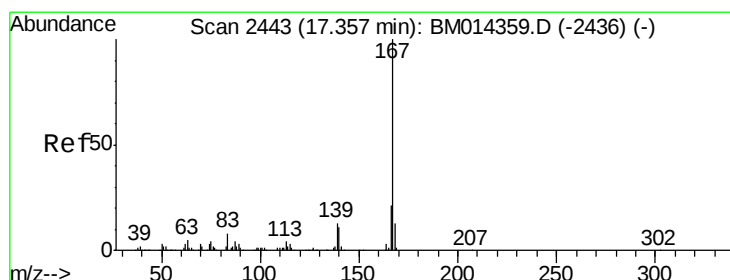
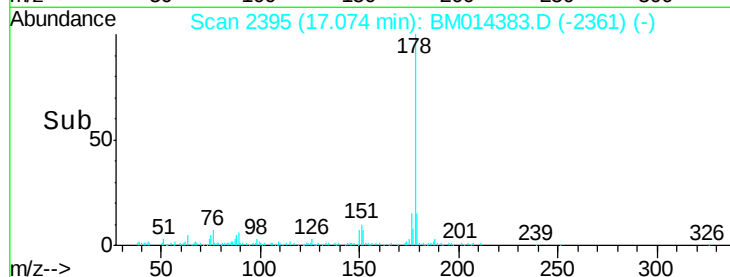
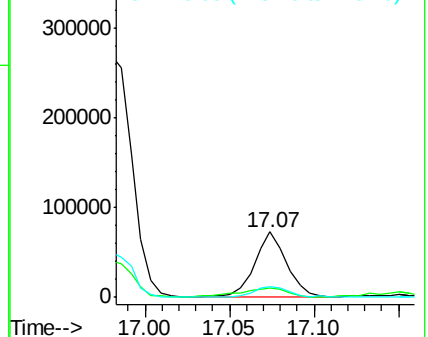
176 15.8 14.6 21.8



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: 1.428 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

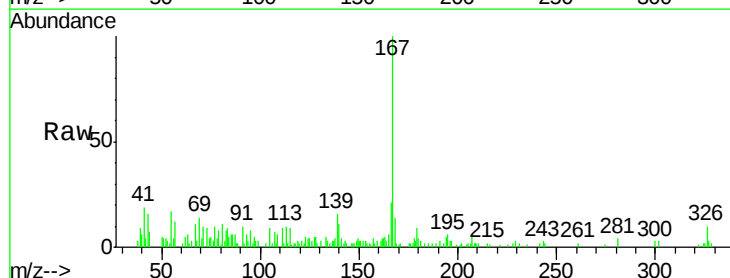
Tgt Ion:167 Resp: 36001

Ion Ratio Lower Upper

167 100

166 20.7 17.1 25.7

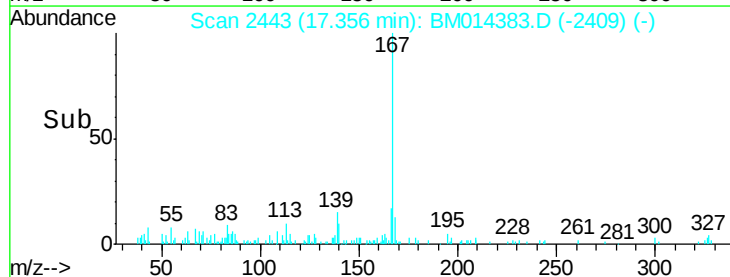
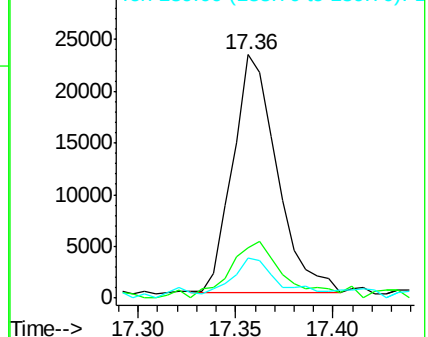
139 16.3 10.0 15.0#

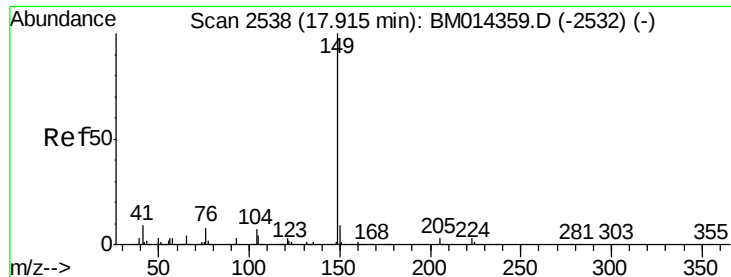


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.136 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

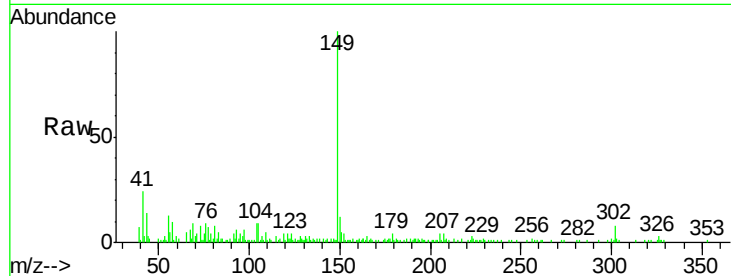
Tot Ion:149 Resp: 69481

Ion Ratio Lower Upper

149 100

150 12.0 7.1 10.7#

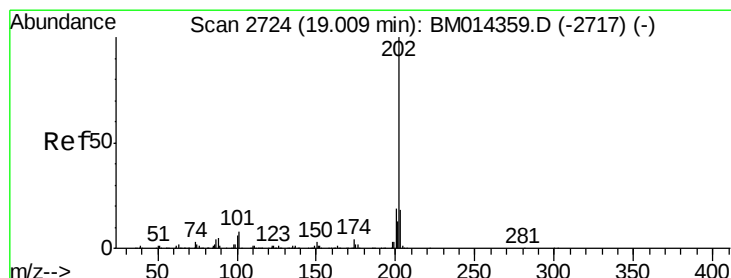
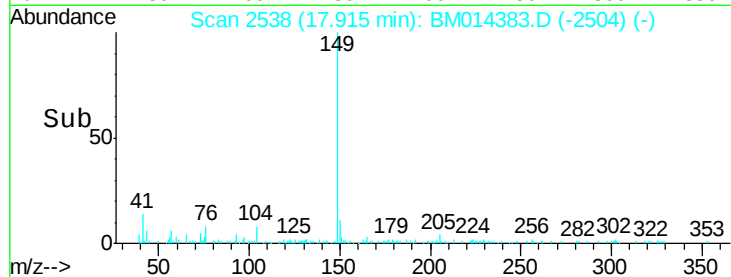
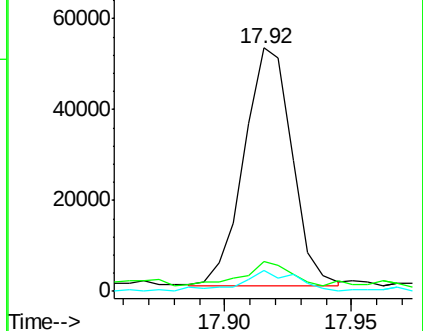
104 8.6 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 24.962 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

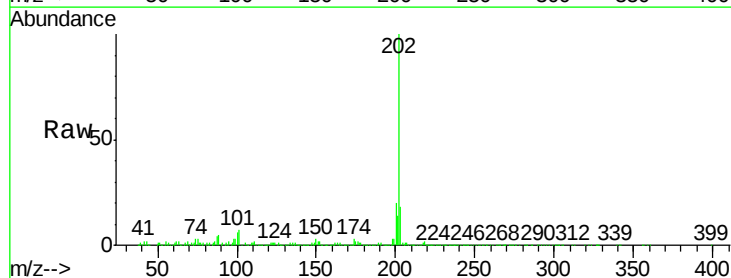
Tgt Ion:202 Resp: 889275

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

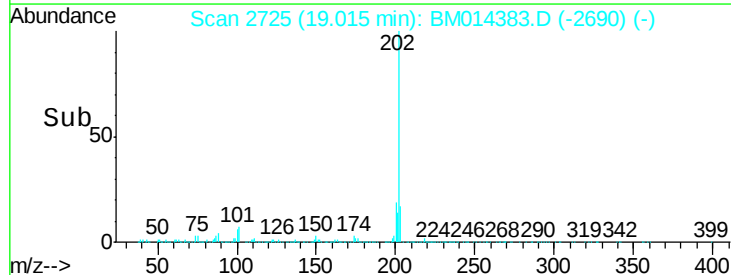
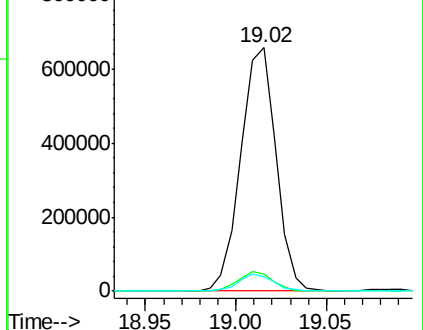
100 5.9 3.4 5.2#

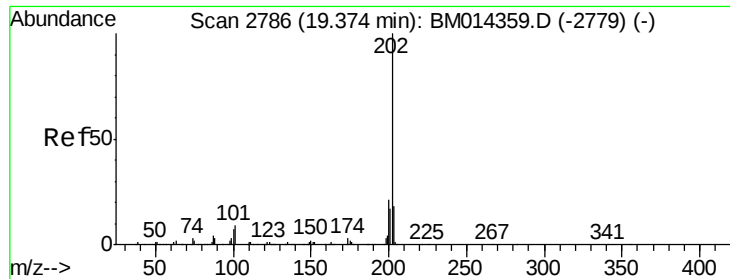


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 28.136 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

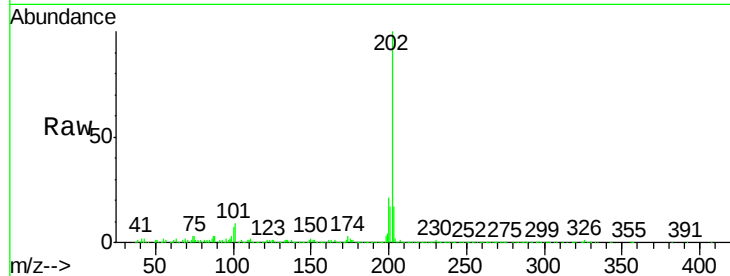
Tot Ion:202 Resp: 894000

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

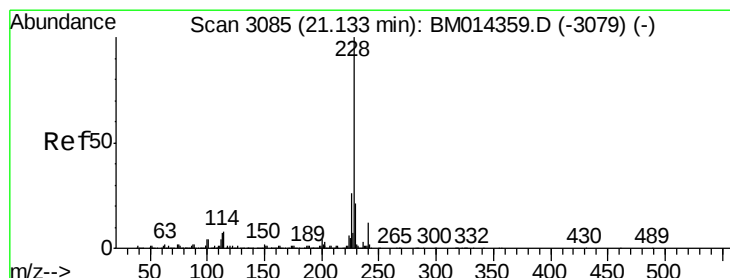
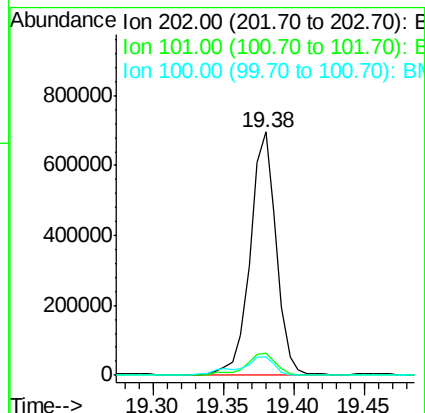
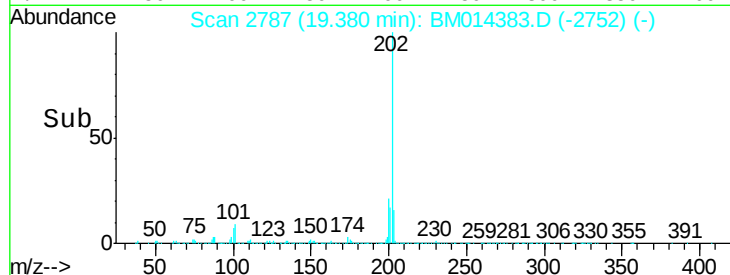
100 7.5 4.9 7.3#



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: 16.466 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

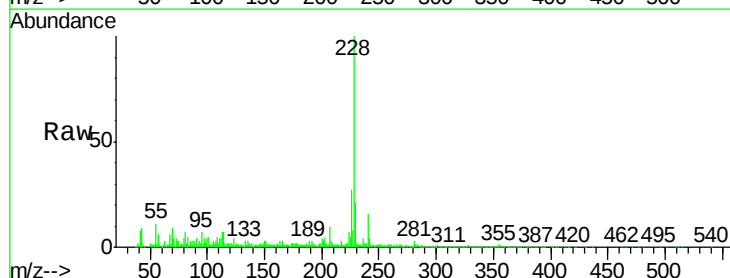
Tgt Ion:228 Resp: 491339

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

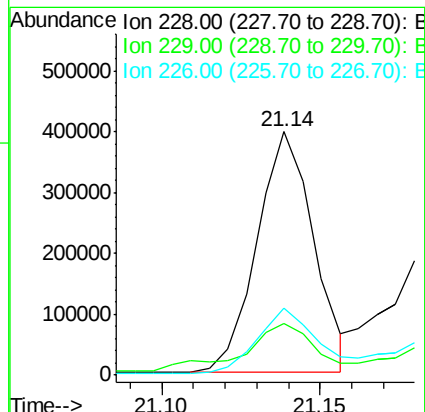
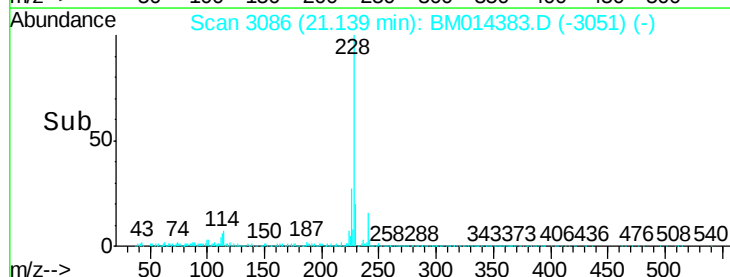
226 27.4 21.4 32.0

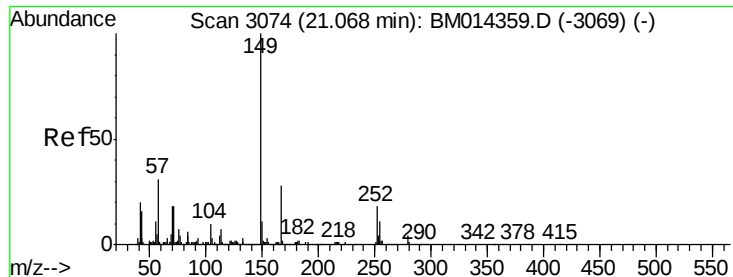


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.547 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

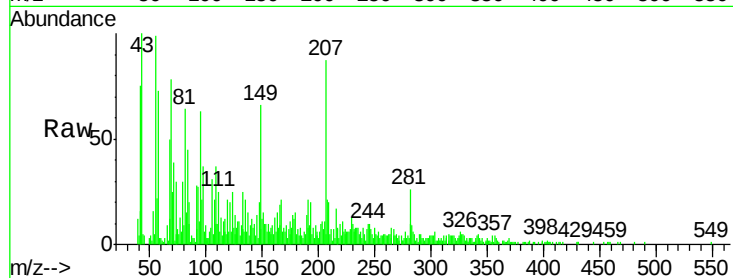
Tot Ion:149 Resp: 29105

Ion Ratio Lower Upper

149 100

167 31.2 22.8 34.2

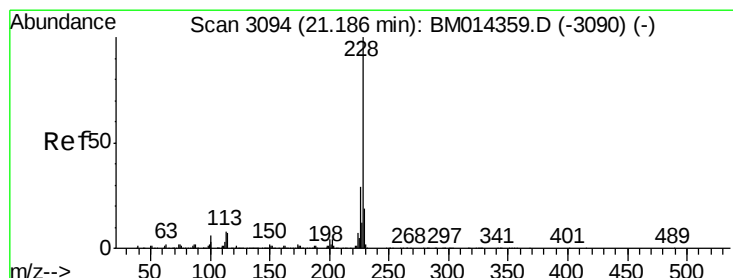
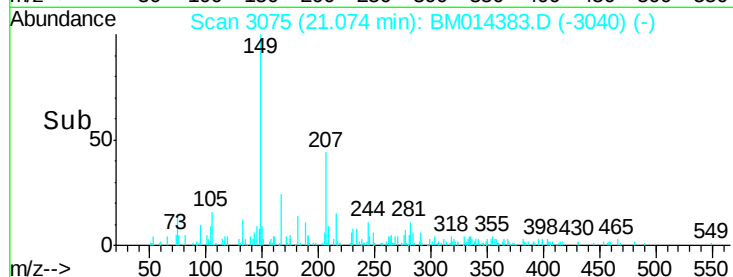
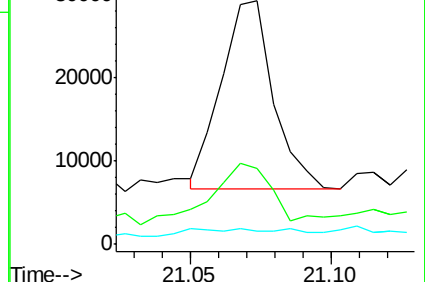
279 5.6 4.9 7.3



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: 18.716 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

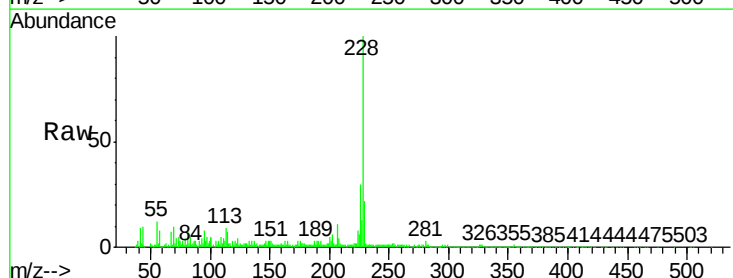
Tgt Ion:228 Resp: 520988

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

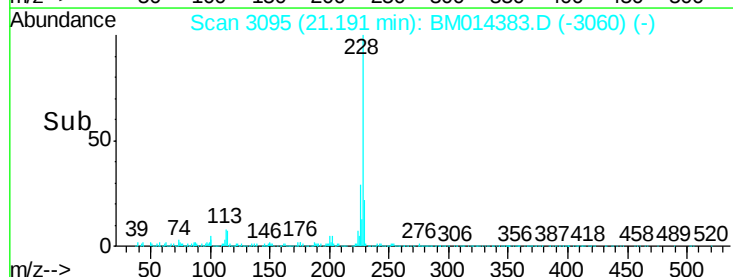
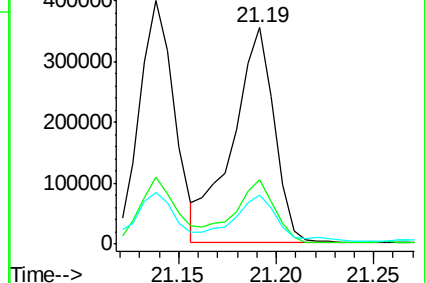
229 22.5 15.5 23.3

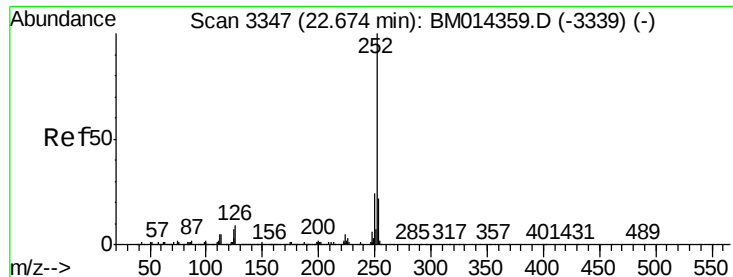


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 21.508 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

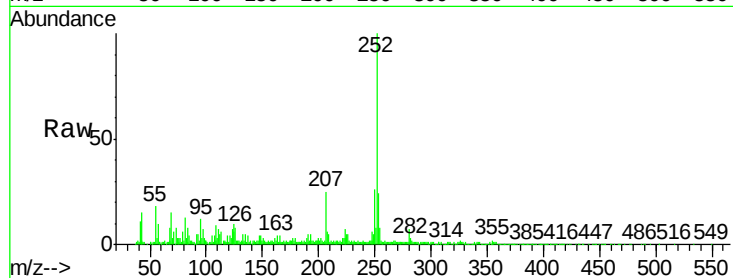
Tot Ion:252 Resp: 694020

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

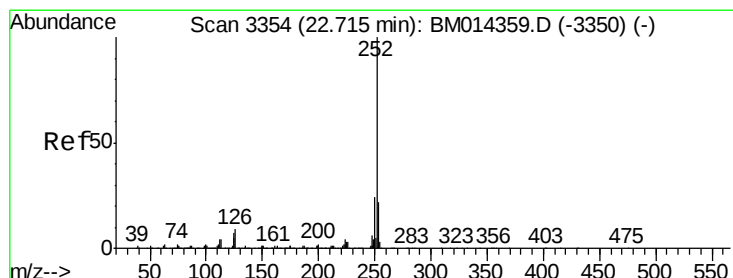
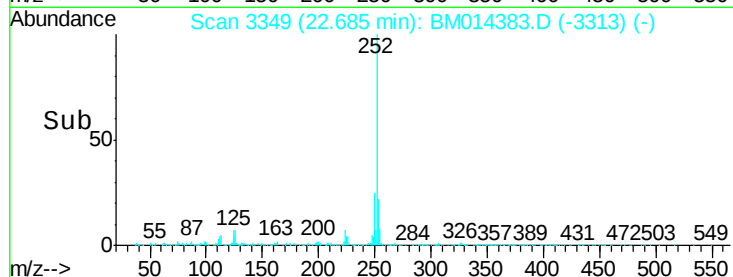
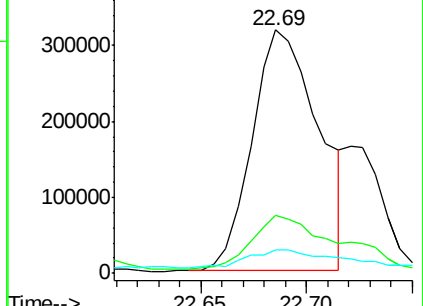
125 9.8 3.6 5.4#



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: 22.622 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.03 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

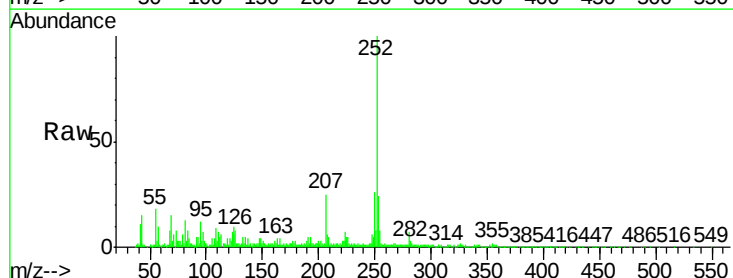
Tgt Ion:252 Resp: 694020

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

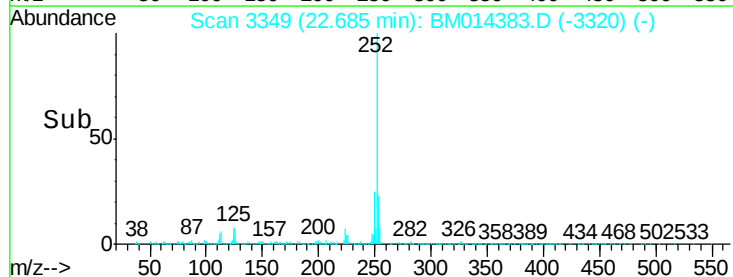
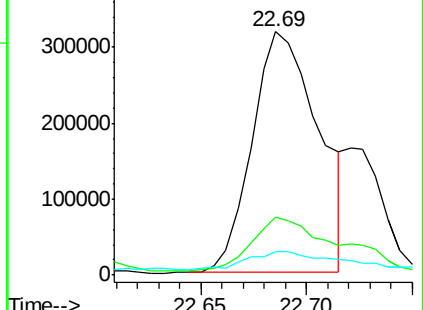
125 9.8 3.4 5.2#

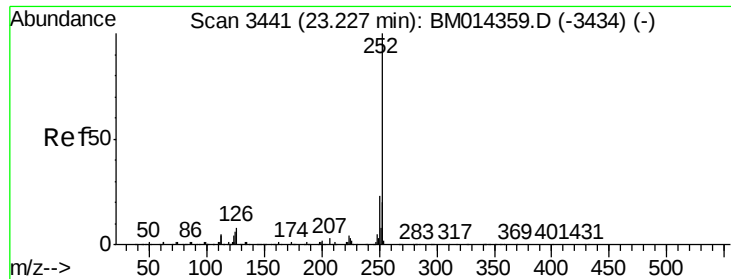


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 16.590 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

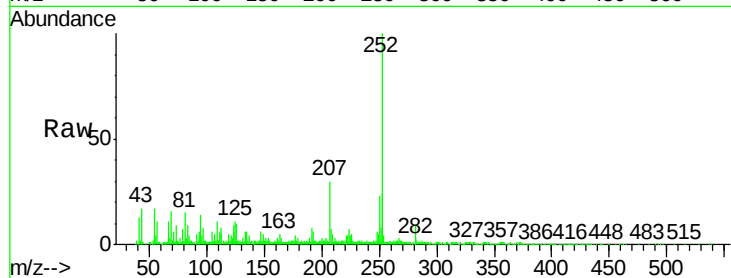
Tot Ion:252 Resp: 478363

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

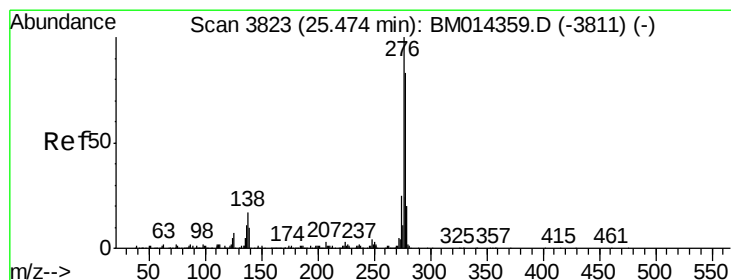
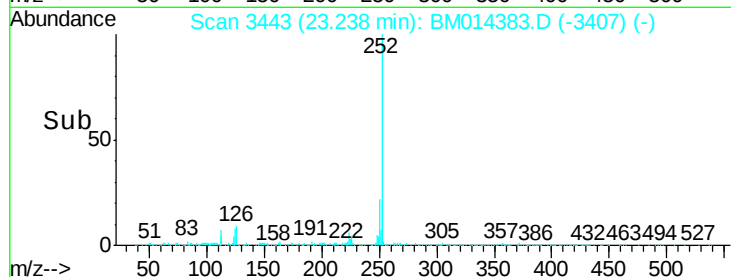
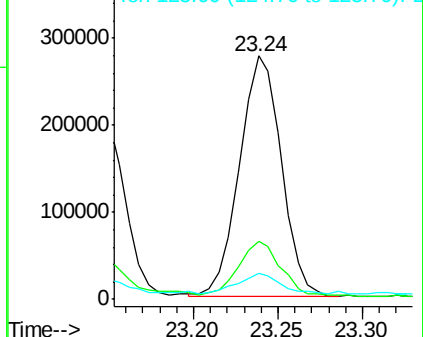
125 10.8 4.0 6.0#



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: 12.059 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.03 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

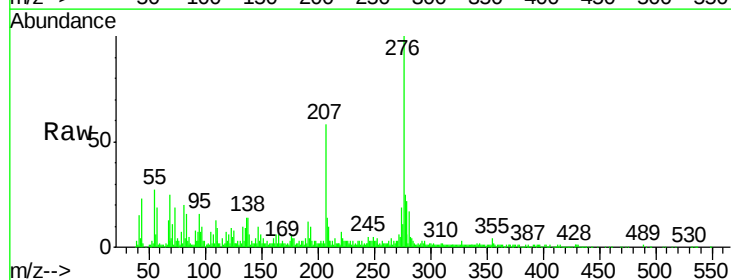
Tgt Ion:276 Resp: 337408

Ion Ratio Lower Upper

276 100

138 13.6 9.3 13.9

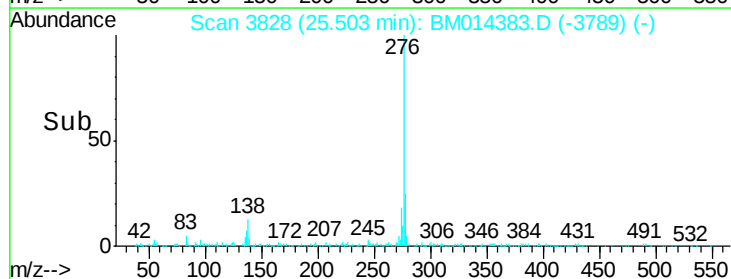
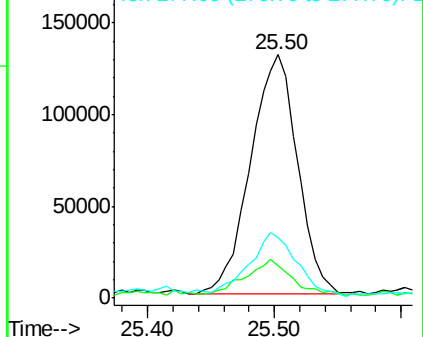
277 24.9 19.9 29.9

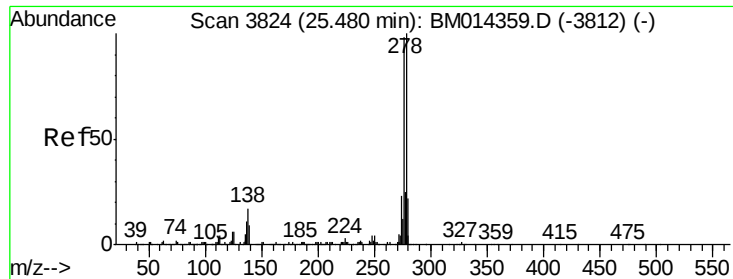


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.391 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.02 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Instrument :

BNA_M

ClientSampleId :

BE5Y5

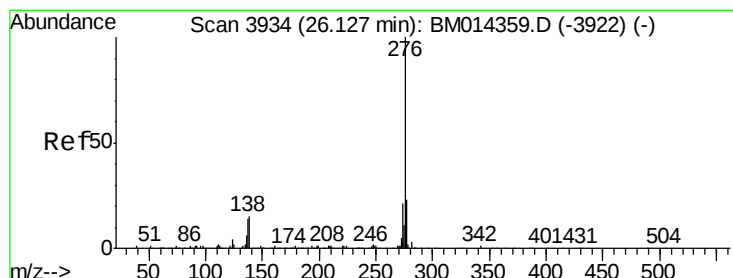
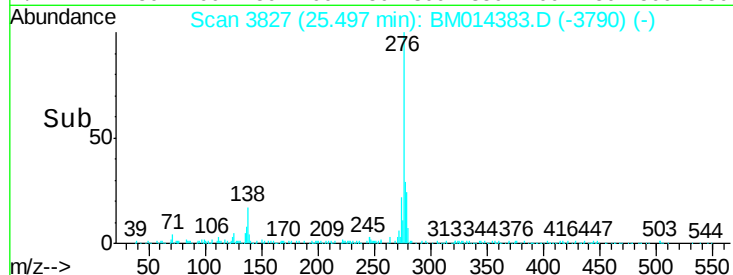
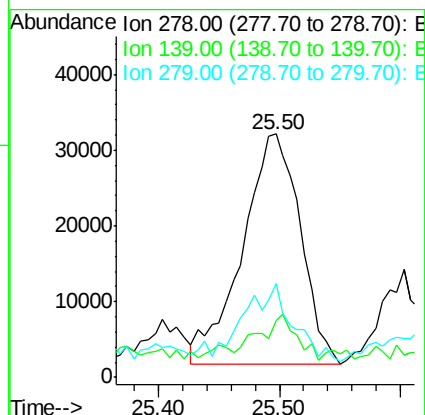
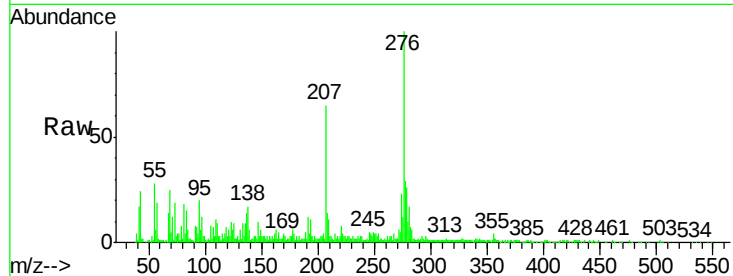
Tot Ion:278 Resp: 102081

Ion Ratio Lower Upper

278 100

139 23.3 5.8 8.8#

279 38.8 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 11.478 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014383.D

Acq: 27 Feb 2018 15:25

Tgt Ion:276 Resp: 260163

Ion Ratio Lower Upper

276 100

138 14.0 8.5 12.7#

277 27.2 18.6 28.0

