

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014425.D
 Acq On : 01 Mar 2018 05:45
 Operator : SJ/JU
 Sample : J1646-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Quant Time: Mar 01 07:05:50 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	148018	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	675020	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	410736	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	896770	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	944929	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	678101	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	13337	3.86	ng/uL	0.00
5) Phenol-d5	6.72	99	299104	23.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	172166	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	236890	24.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	248413	22.69	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	127421	25.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	139529	27.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	257983	24.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	173361	16.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	865945	25.53	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1078774	25.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	107648	22.99	ng/ul	0.01
57) Fluorene-d10	15.18	176	731557	24.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	17798	3.31	ng/ul	0.01
70) Anthracene-d10	17.04	188	1118578	25.85	ng/ul	0.00
76) Pyrene-d10	19.35	212	1268368	26.02	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	846571	25.65	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.75	94	33916	2.584	ng/ul	93
28) Naphthalene	10.33	128	74688	2.154	ng/ul#	95
34) 2-Methylnaphthalene	11.96	142	31363	1.189	ng/ul#	80
44) Dimethylphthalate	13.65	163	202208	6.046	ng/ul	97
47) Acenaphthylene	13.89	152	323552	8.184	ng/ul	99
49) Acenaphthene	14.24	153	217934	7.829	ng/ul	97
53) Dibenzofuran	14.58	168	240089	5.752	ng/ul	89
58) Fluorene	15.23	166	376695	10.454	ng/ul	96
69) Phenanthrene	16.99	178	7801612	150.994	ng/ul	99
71) Anthracene	17.07	178	1651669	31.786	ng/ul	99
72) Carbazole	17.36	167	219108	5.015	ng/ul	98
74) Fluoranthene	19.02	202	13390825	216.926	ng/ul#	88
77) Pyrene	19.39	202	11532423	183.645	ng/ul#	88
80) Benzo(a)anthracene	21.14	228	5689431	96.475	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	5323449	143.155	ng/ul#	96
82) Chrysene	21.20	228	4447657	80.845	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	4439301	97.772	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	1499805	34.743	ng/ul#	96
88) Benzo(a)pyrene	23.25	252	2950721	72.725	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.51	276	1534235	38.968	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.50	278	466322	14.254	ng/ul#	91
91) Benzo(a,h,i)perylene	26.17	276	1079841	33.857	ng/ul#	93

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QLast Update : Thu Mar 01 03:03:26 2018
Response via : Initial Calibration

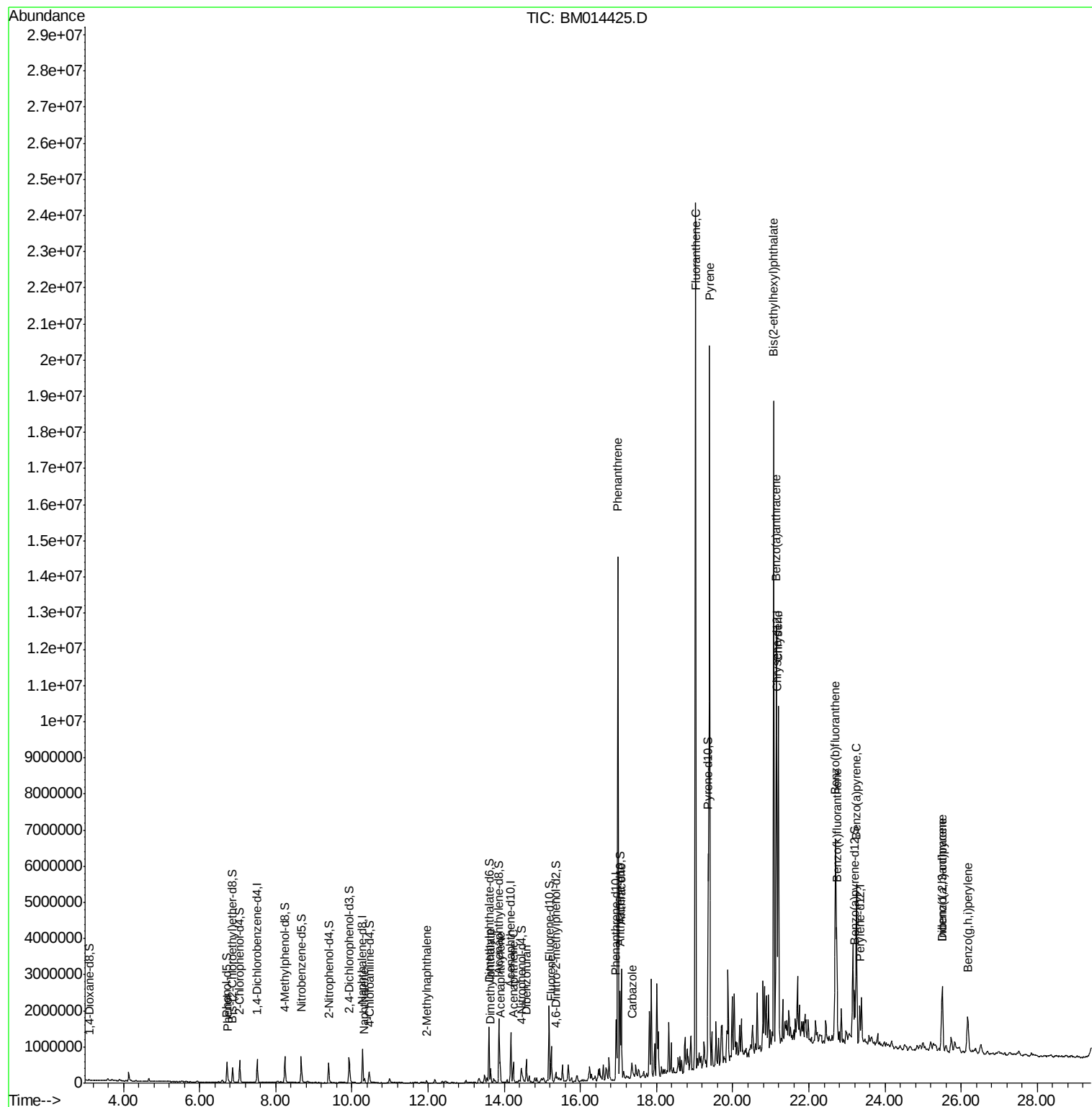
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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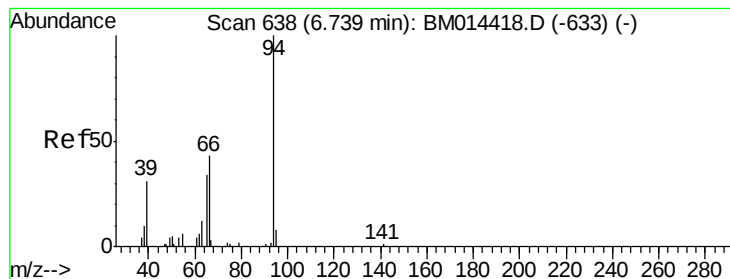
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.584 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

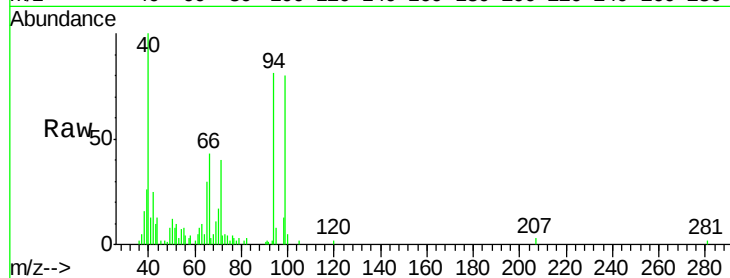
Tot Ion: 94 Resp: 33916

Ion Ratio Lower Upper

94 100

65 37.6 28.2 42.4

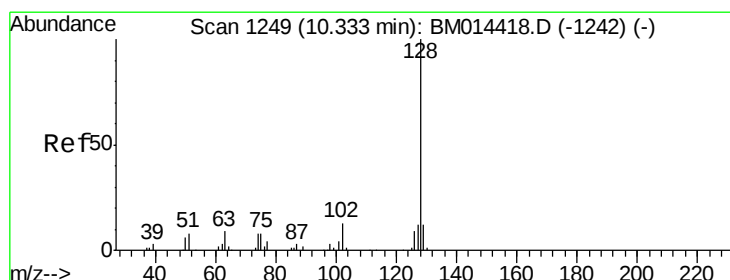
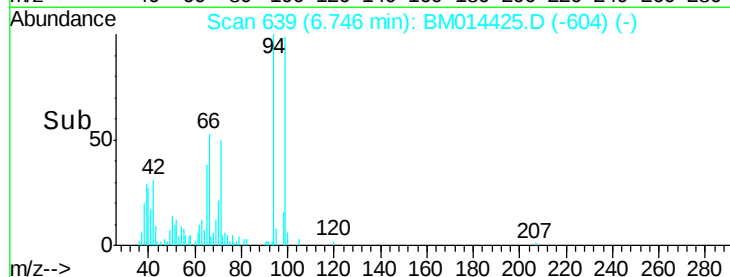
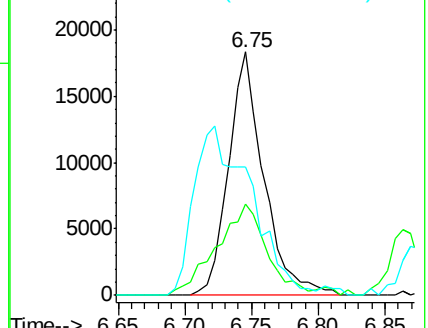
66 52.9 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM014418.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014418.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014418.D (-633) (-)



#28

Naphthalene

Concen: 2.154 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

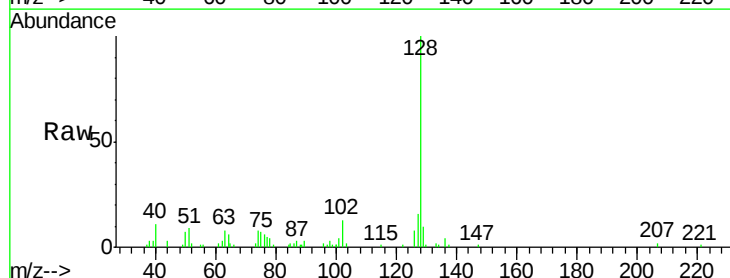
Tgt Ion: 128 Resp: 74688

Ion Ratio Lower Upper

128 100

129 9.8 8.8 13.2

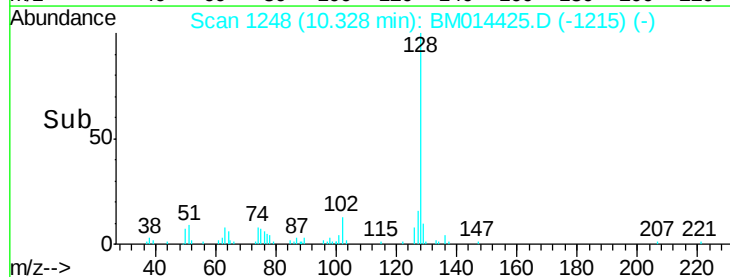
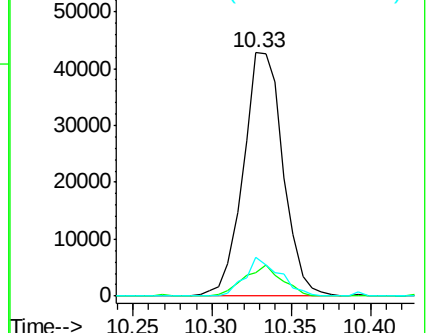
127 16.1 10.6 16.0#

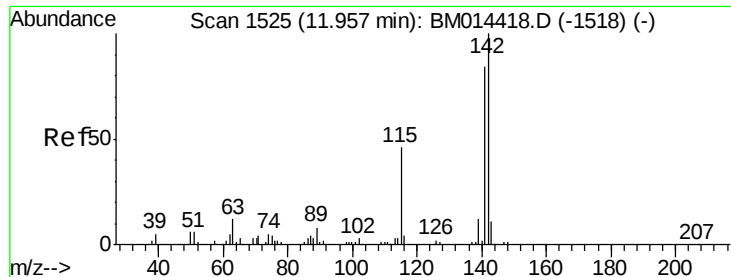


Abundance Ion 128.00 (127.70 to 128.70): BM014418.D (-1242) (-)

Ion 129.00 (128.70 to 129.70): BM014418.D (-1242) (-)

Ion 127.00 (126.70 to 127.70): BM014418.D (-1242) (-)

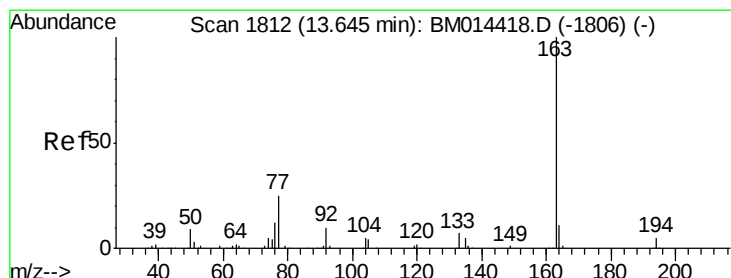
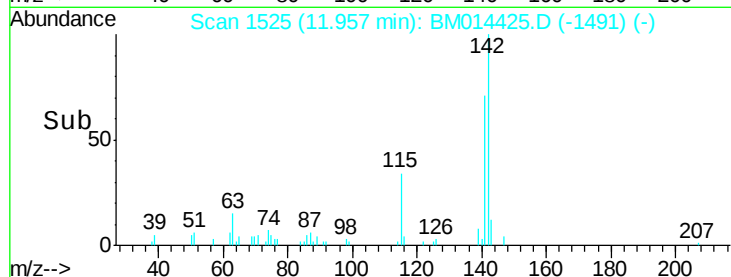
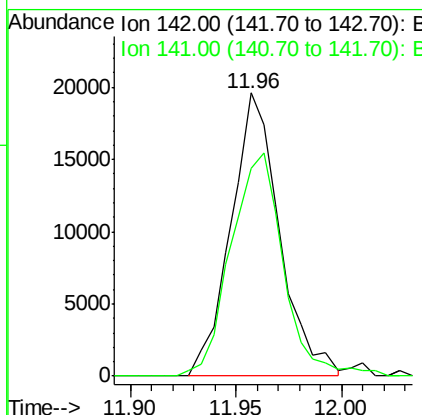
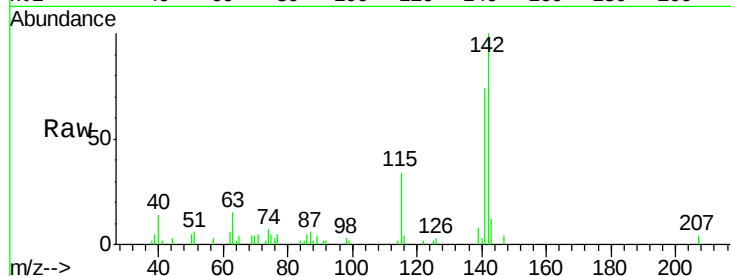




#34
 2-Methylnaphthalene
 Concen: 1.189 ng/ul
 RT: 11.96 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

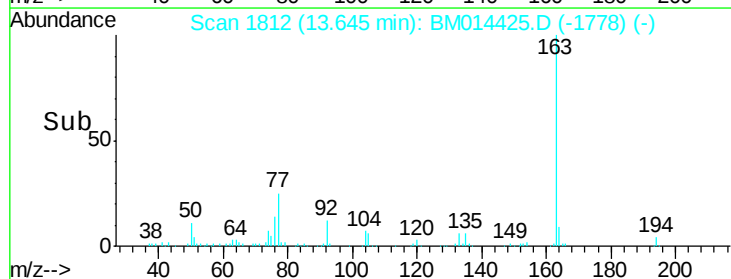
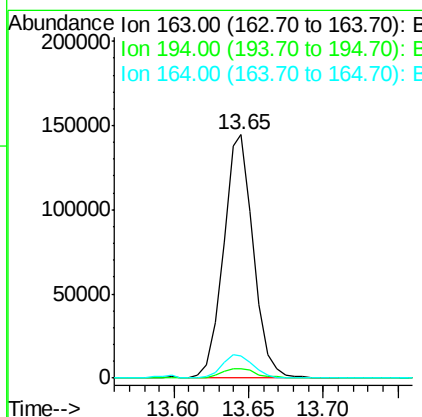
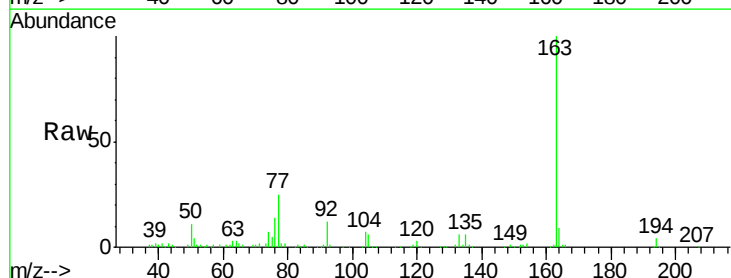
Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

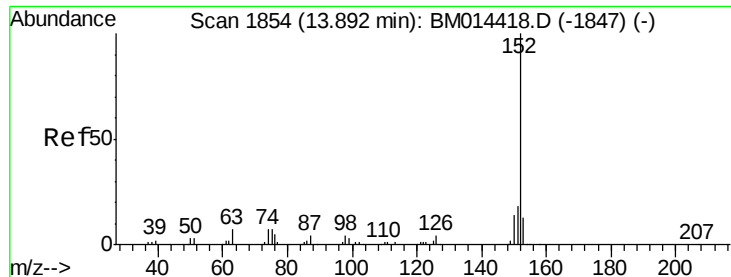
Tot Ion:142 Resp: 31363
 Ion Ratio Lower Upper
 142 100
 141 73.6 74.1 111.1#



#44
 Dimethylphthalate
 Concen: 6.046 ng/ul
 RT: 13.65 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

Tgt Ion:163 Resp: 202208
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.5 5.3
 164 9.0 8.2 12.4





#47

Acenaphthylene

Concen: 8.184 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

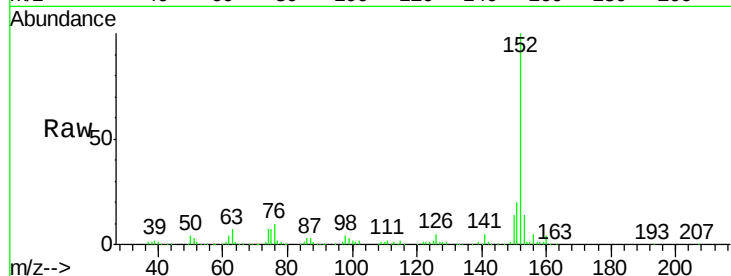
BNA_M

ClientSampleId :

BE5X6

Tot Ion:152 Resp: 323552

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.7	10.2	15.4

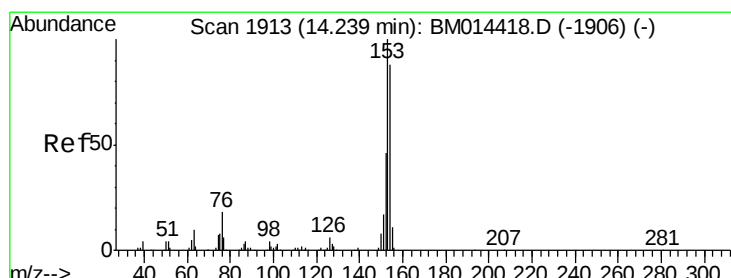
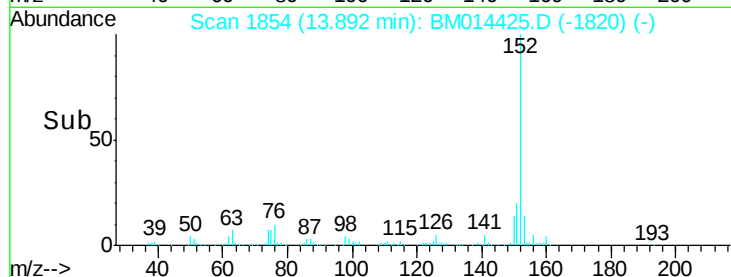
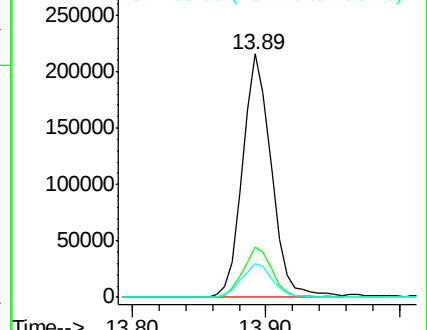


Abundance

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



#49

Acenaphthene

Concen: 7.829 ng/ul

RT: 14.24 min Scan# 1913

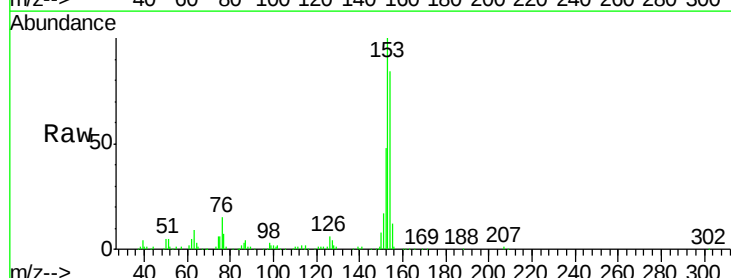
Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Tgt Ion:153 Resp: 217934

Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.6	56.4
154	84.4	70.4	105.6

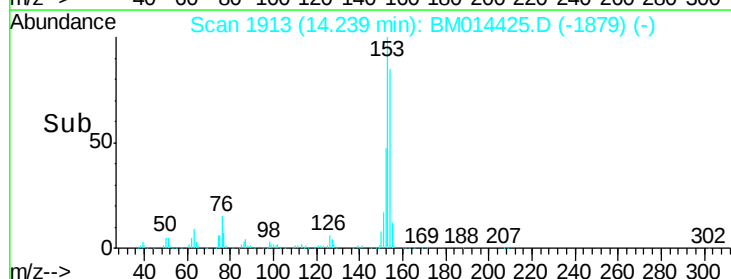
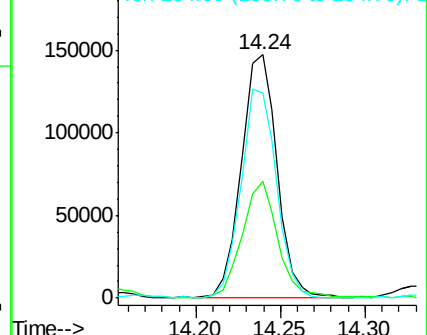


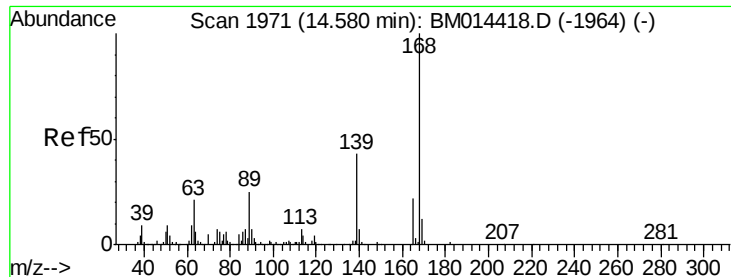
Abundance

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: 5.752 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

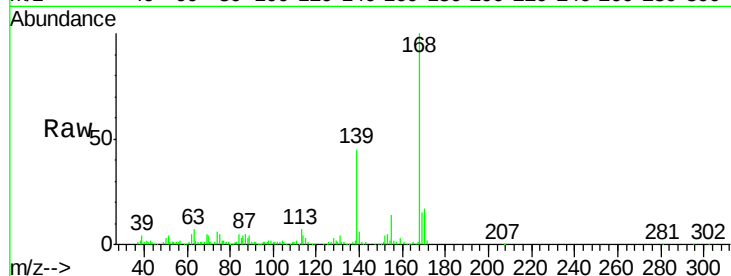
BE5X6

Tot Ion:168 Resp: 240089

Ion Ratio Lower Upper

168 100

139 45.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.58

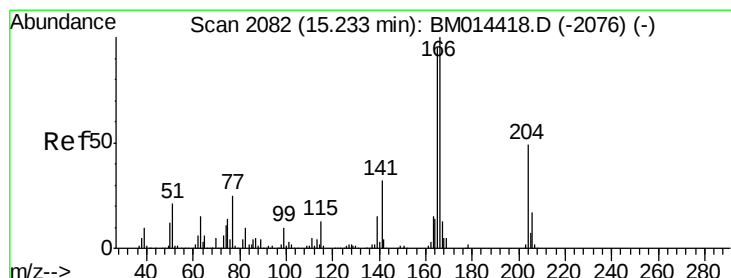
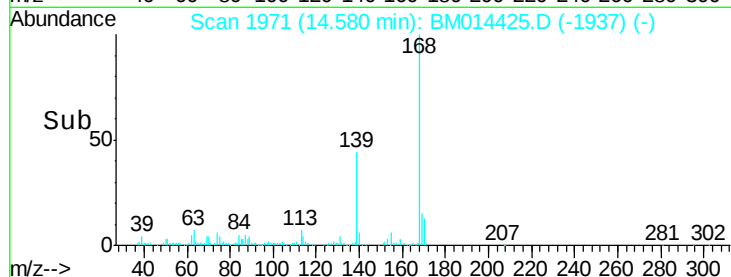
150000

100000

50000

0

Time-->



#58

Fluorene

Concen: 10.454 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

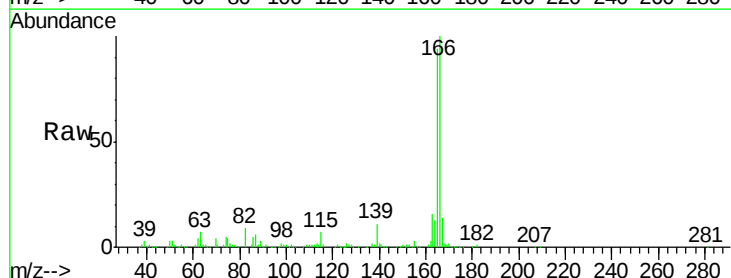
Tgt Ion:166 Resp: 376695

Ion Ratio Lower Upper

166 100

165 93.7 77.9 116.9

167 14.4 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

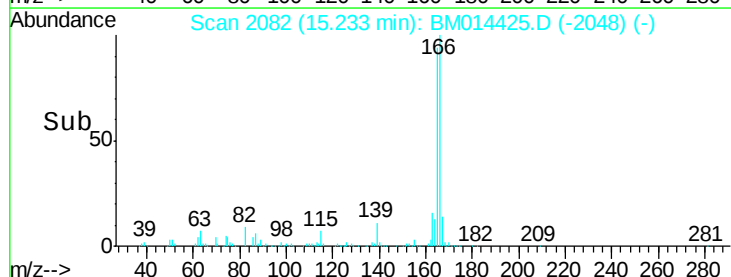
300000

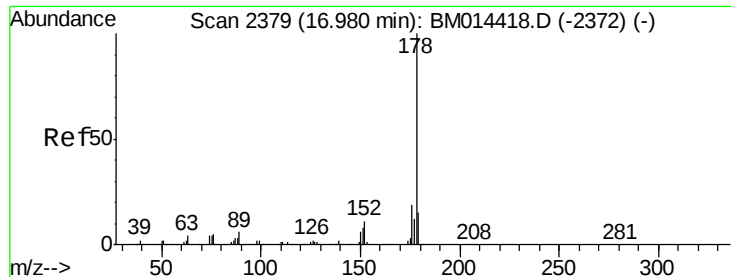
200000

100000

0

Time-->





#69

Phenanthrene

Concen: 150.994 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

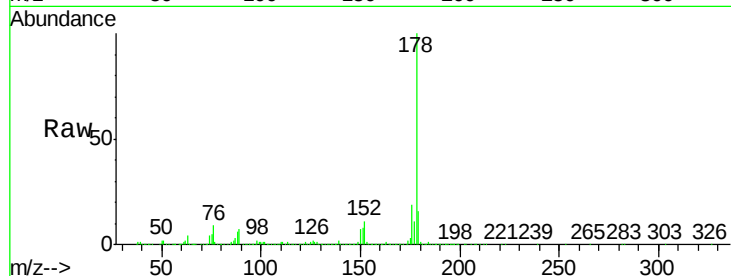
Tot Ion:178 Resp: 7801612

Ion Ratio Lower Upper

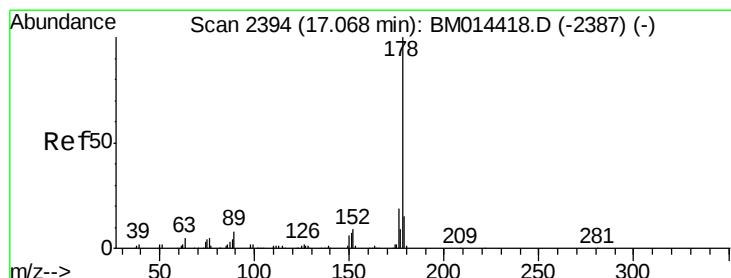
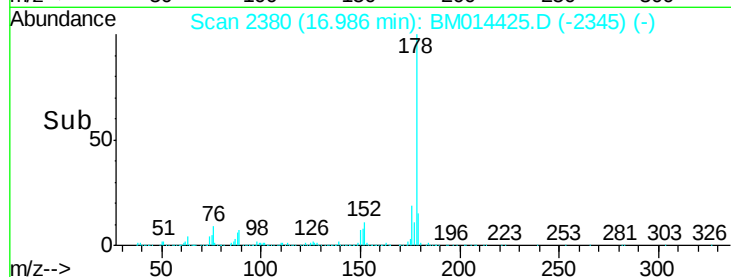
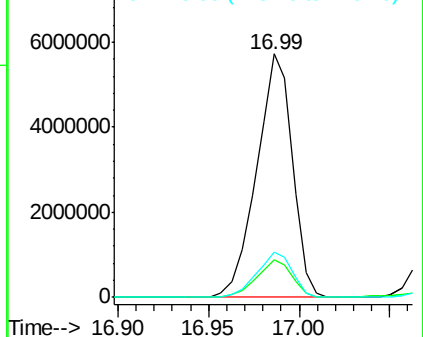
178 100

179 15.5 12.6 19.0

176 18.8 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: 31.786 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

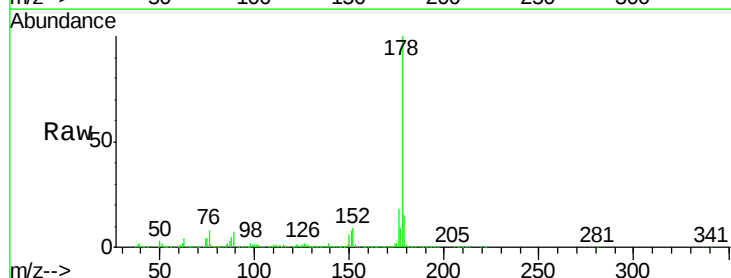
Tgt Ion:178 Resp: 1651669

Ion Ratio Lower Upper

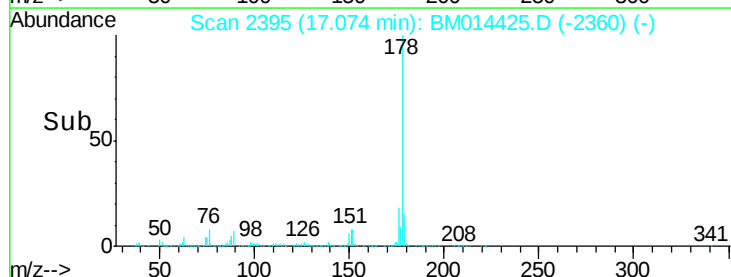
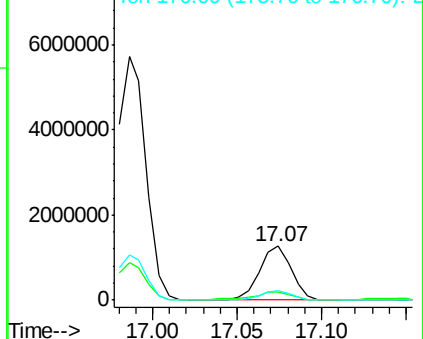
178 100

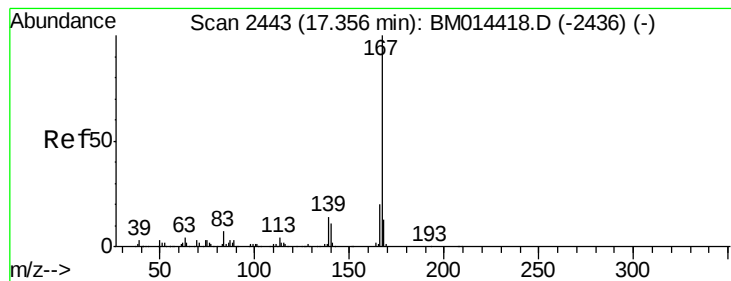
179 15.3 11.7 17.5

176 18.0 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: 5.015 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

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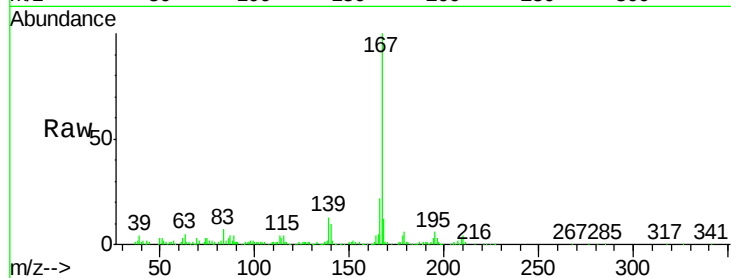
Tot Ion:167 Resp: 219108

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

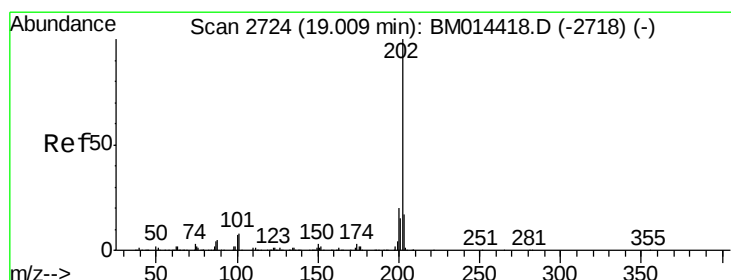
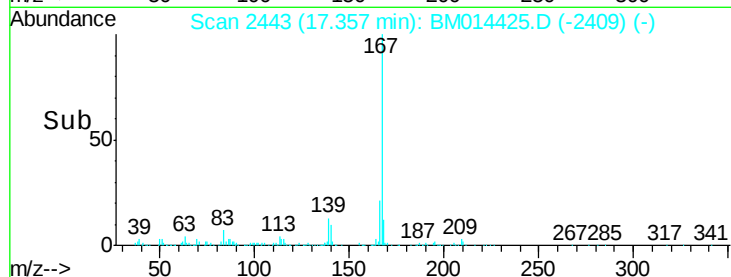
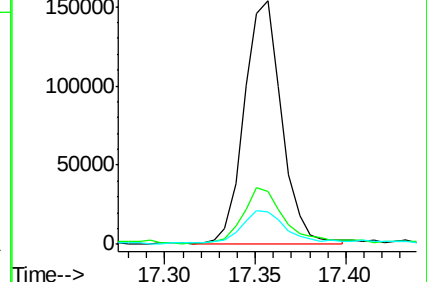
139 13.4 10.0 15.0



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: 216.926 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

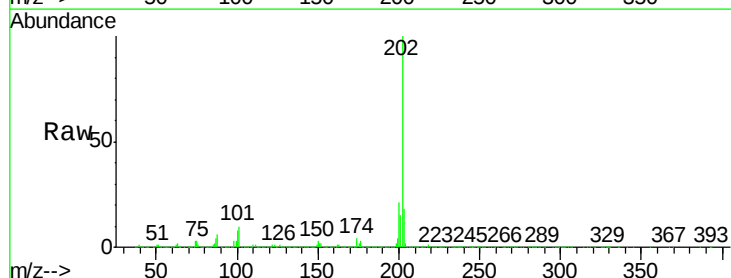
Tgt Ion:202 Resp:13390825

Ion Ratio Lower Upper

202 100

101 10.1 4.6 7.0#

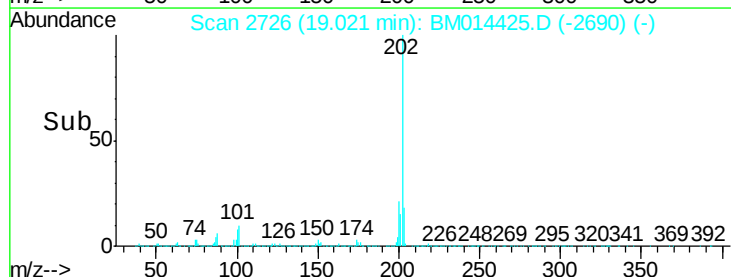
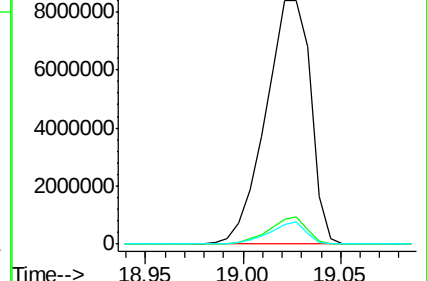
100 8.0 3.4 5.2#

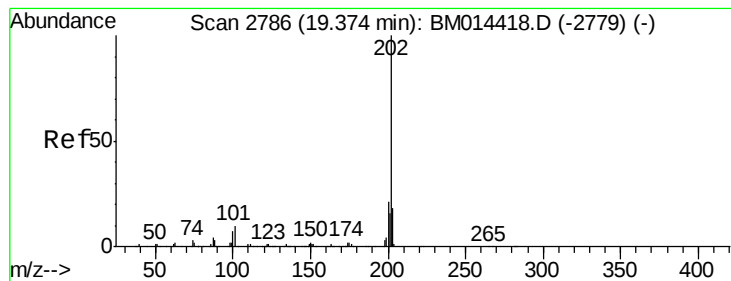


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 183.645 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

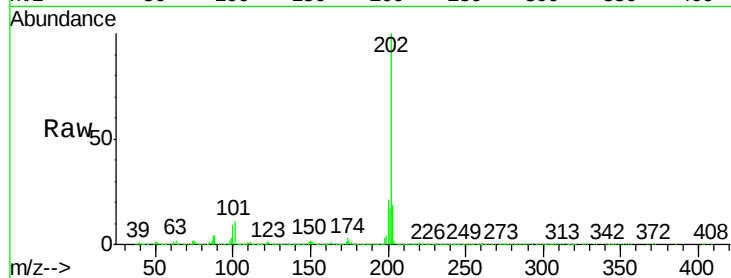
Tot Ion:202 Resp:11532423

Ion Ratio Lower Upper

202 100

101 11.1 5.1 7.7#

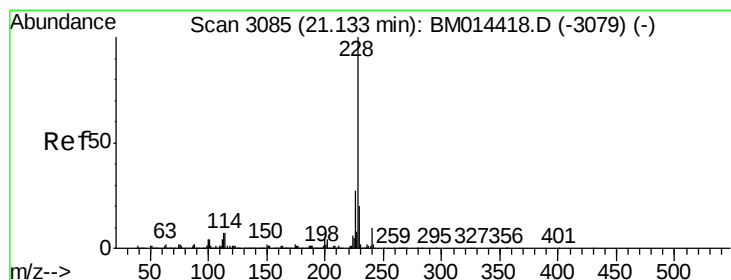
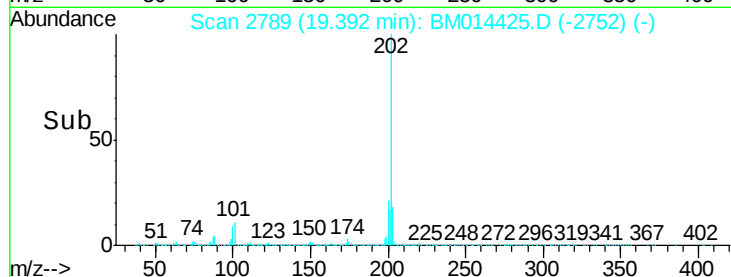
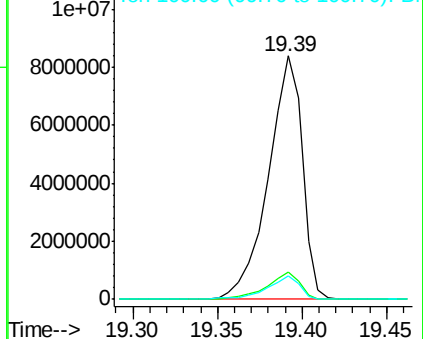
100 9.4 4.9 7.3#



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: 96.475 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

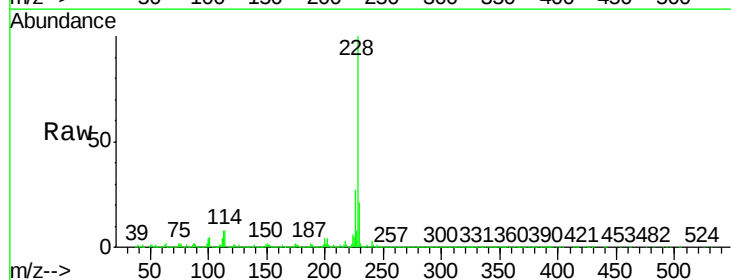
Tgt Ion:228 Resp: 5689431

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

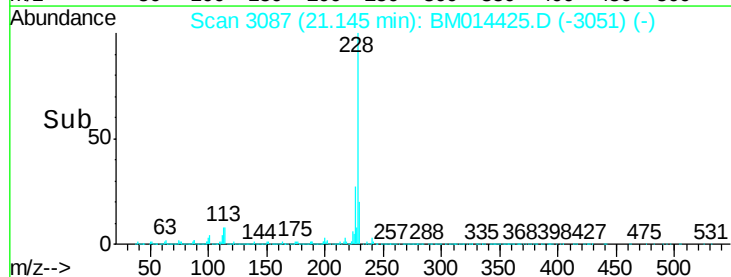
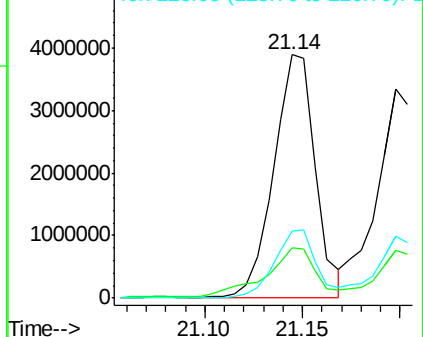
226 27.3 21.4 32.0

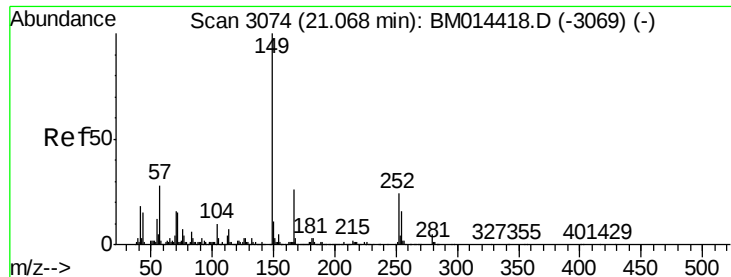


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

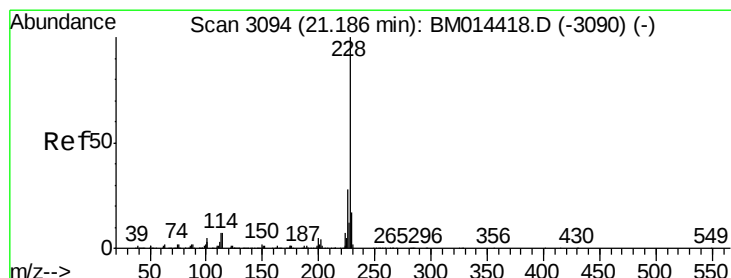
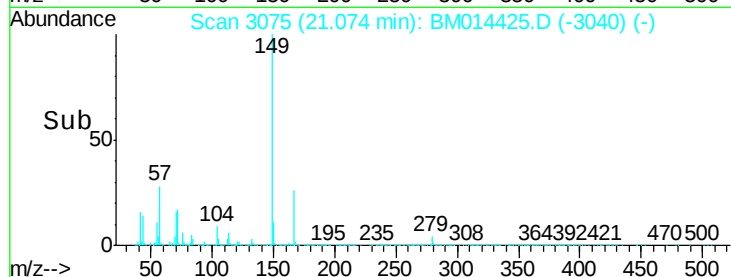
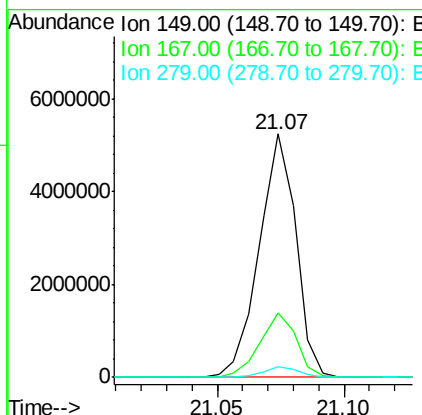
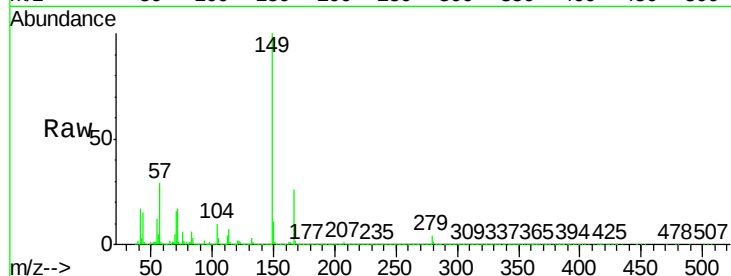




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 143.155 ng/ul
 RT: 21.07 min Scan# 3075
 Delta R.T. 0.01 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

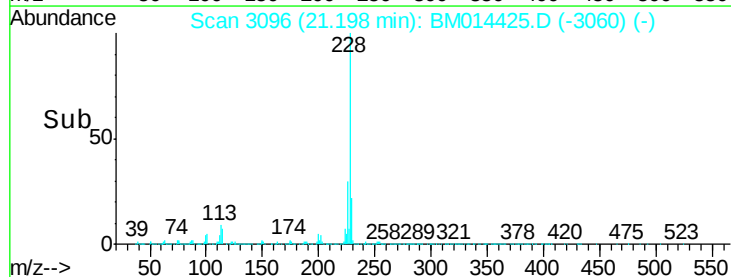
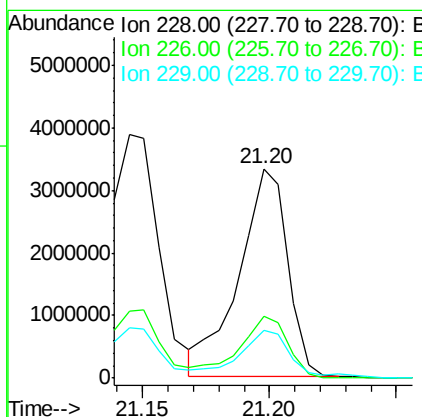
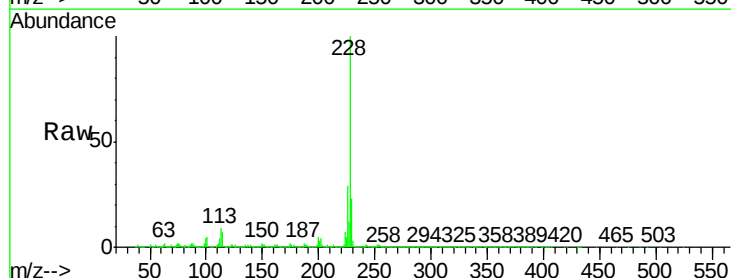
Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

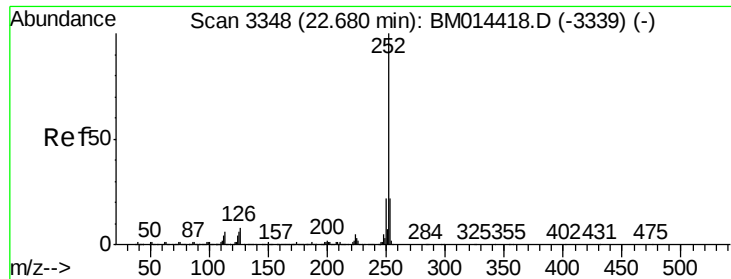
Tot Ion:149 Resp: 5323449
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.8 34.2
 279 4.2 4.9 7.3#



#82
 Chrysene
 Concen: 80.845 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM014425.D
 Acq: 01 Mar 2018 05:45

Tgt Ion:228 Resp: 4447657
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.4 35.2
 229 22.6 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 97.772 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

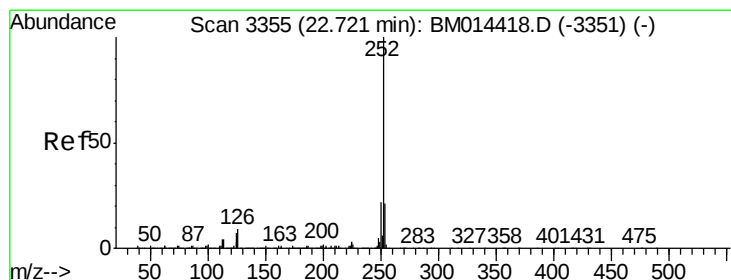
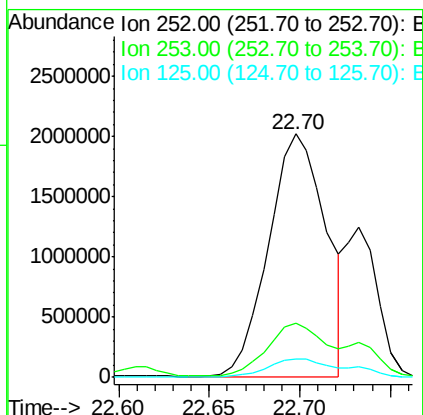
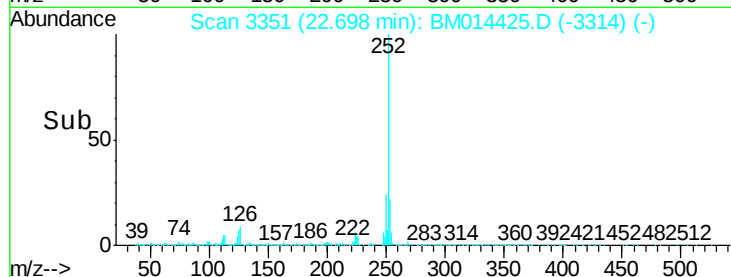
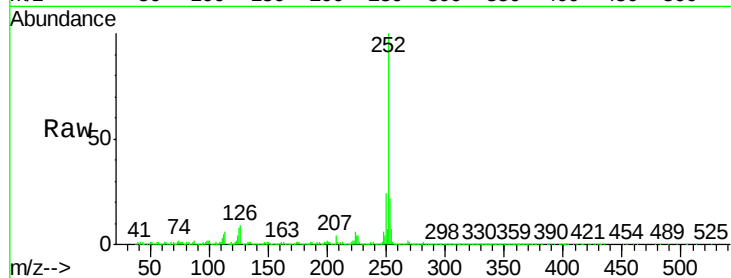
Tot Ion:252 Resp: 4439301

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 7.5 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 34.743 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

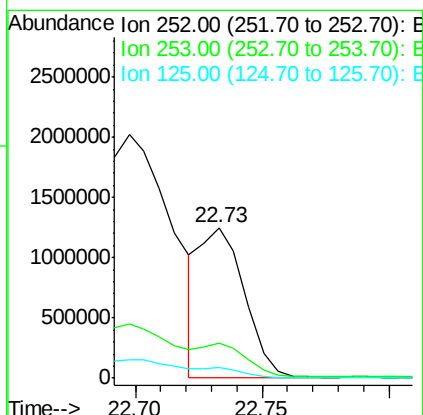
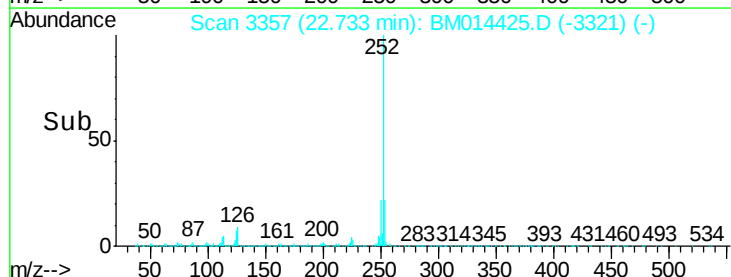
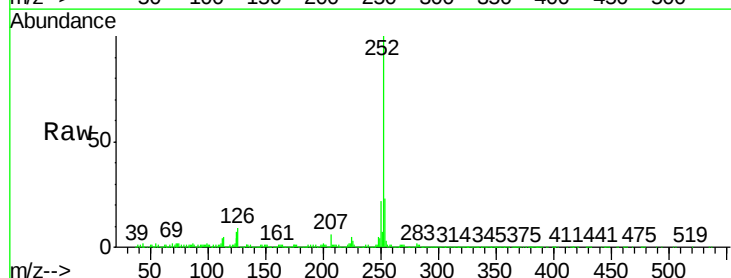
Tgt Ion:252 Resp: 1499805

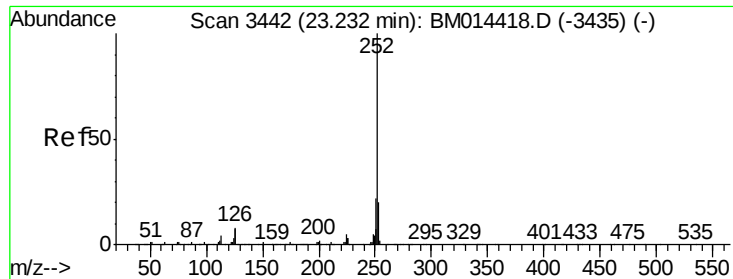
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 6.9 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 72.725 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

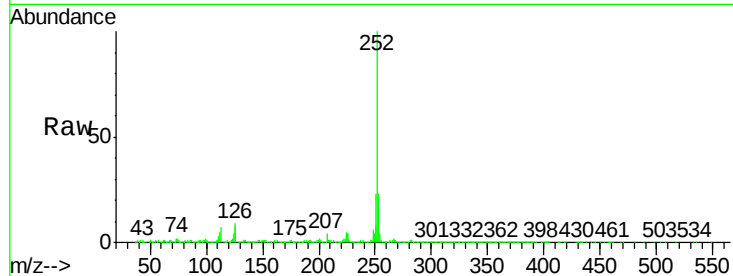
Tot Ion:252 Resp: 2950721

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

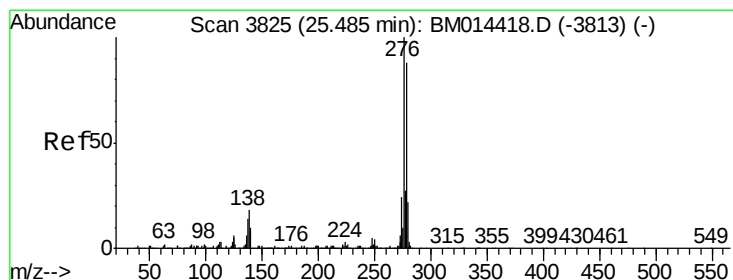
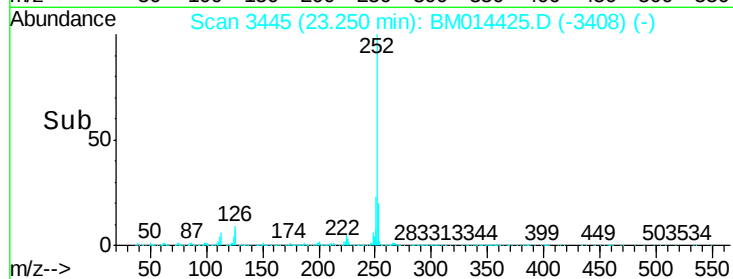
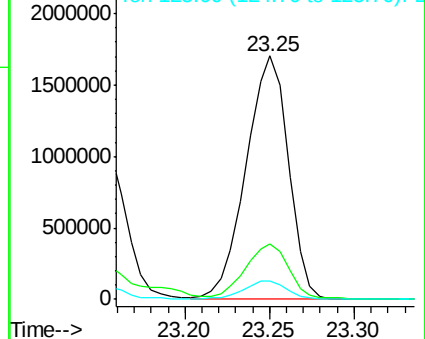
125 7.3 4.0 6.0#



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: 38.968 ng/ul

RT: 25.51 min Scan# 3829

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

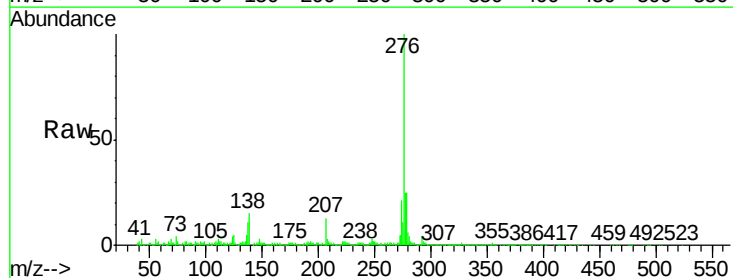
Tgt Ion:276 Resp: 1534235

Ion Ratio Lower Upper

276 100

138 14.6 9.3 13.9#

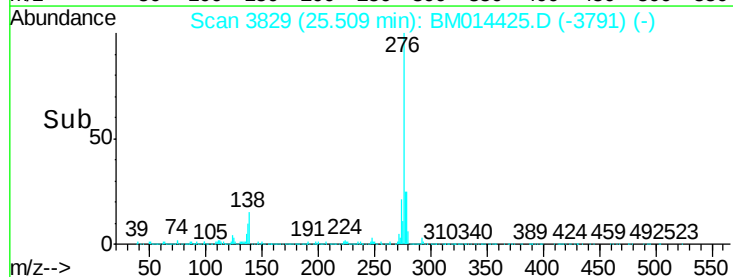
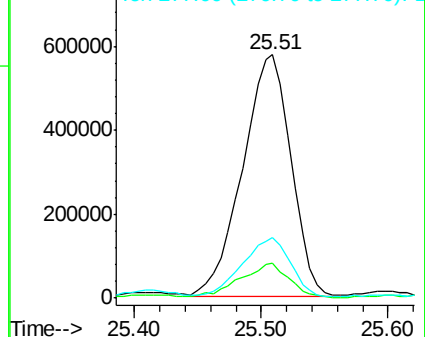
277 24.7 19.9 29.9

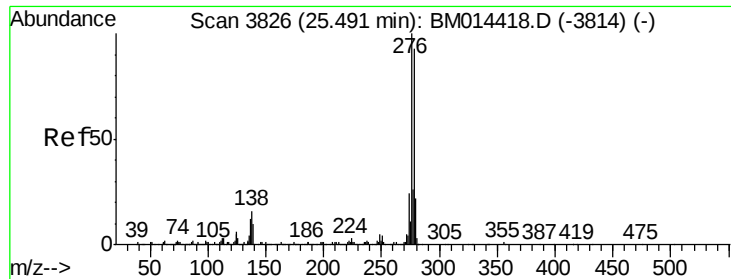


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 14.254 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.01 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

Instrument :

BNA_M

ClientSampleId :

BE5X6

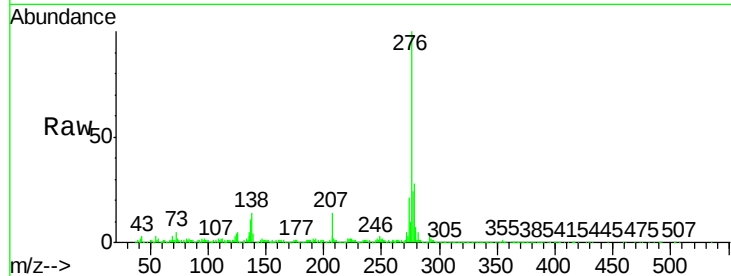
Tot Ion:278 Resp: 466322

Ion Ratio Lower Upper

278 100

139 13.7 5.8 8.8#

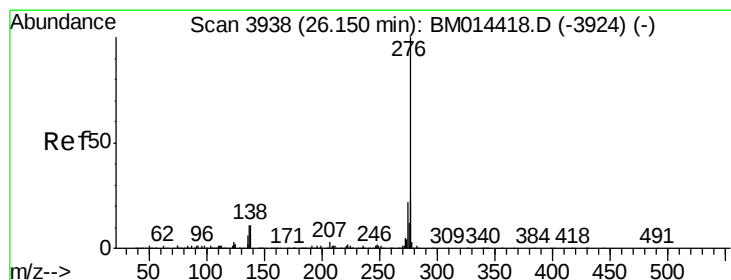
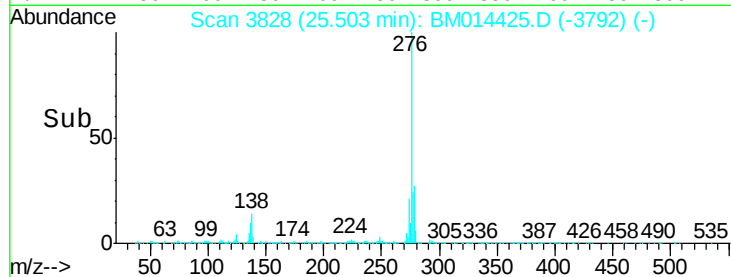
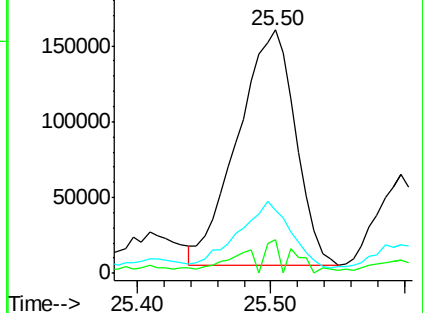
279 26.1 18.6 27.8



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: 33.857 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. 0.02 min

Lab File: BM014425.D

Acq: 01 Mar 2018 05:45

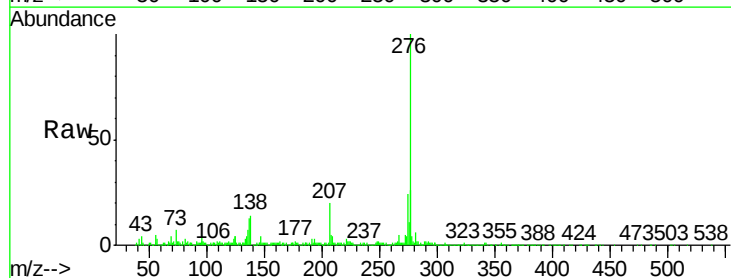
Tgt Ion:276 Resp: 1079841

Ion Ratio Lower Upper

276 100

138 14.3 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

