

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014472.D
 Acq On : 05 Mar 2018 14:35
 Operator : SJ/JU
 Sample : J1678-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9

Quant Time: Mar 05 16:01:00 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 22:33:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	106410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	476946	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	281851	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	563763	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	440524	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	383032	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	8565	3.45	ng/uL	0.00
5) Phenol-d5	6.73	99	267364	29.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	166891	30.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	222669	32.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	216891	27.56	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	112017	31.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	136343	37.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	241530	31.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	167696	22.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	853965	36.69	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1061370	36.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	84037	26.15	ng/ul	0.02
57) Fluorene-d10	15.18	176	710728	34.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	77277	22.85	ng/ul	0.01
70) Anthracene-d10	17.04	188	969635	35.65	ng/ul	0.00
76) Pyrene-d10	19.36	212	888837	39.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	655505	35.16	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.75	94	18639	1.975	ng/ul#	73
28) Naphthalene	10.33	128	143959	5.877	ng/ul	96
34) 2-Methylnaphthalene	11.96	142	56042	3.006	ng/ul	94
44) Dimethylphthalate	13.64	163	122661	5.344	ng/ul	97
47) Acenaphthylene	13.90	152	230108	8.482	ng/ul#	97
49) Acenaphthene	14.24	153	199295	10.433	ng/ul	96
53) Dibenzofuran	14.58	168	190953	6.667	ng/ul	88
58) Fluorene	15.23	166	227377	9.195	ng/ul#	98
69) Phenanthrene	16.99	178	5047592	155.398	ng/ul	99
71) Anthracene	17.07	178	915773	28.034	ng/ul	99
72) Carbazole	17.36	167	313101	11.399	ng/ul#	95
74) Fluoranthene	19.03	202	7515421	193.661	ng/ul#	94
77) Pyrene	19.39	202	6506173	222.236	ng/ul#	92
80) Benzo(a)anthracene	21.15	228	2645153	96.211	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	73426	4.235	ng/ul	99
82) Chrysene	21.20	228	2443807	95.284	ng/ul	97
85) Benzo(b)fluoranthene	22.71	252	2762792	107.723	ng/ul#	98
86) Benzo(k)fluoranthene	22.74	252	953621	39.108	ng/ul#	96
88) Benzo(a)pyrene	23.27	252	2097701	91.529	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.56	276	1298593	58.392	ng/ul	98
90) Dibenzo(a,h)anthracene	25.54	278	396737	21.469	ng/ul#	80
91) Benzo(a,h,i)perylene	26.23	276	1129865	62.715	ng/ul#	96

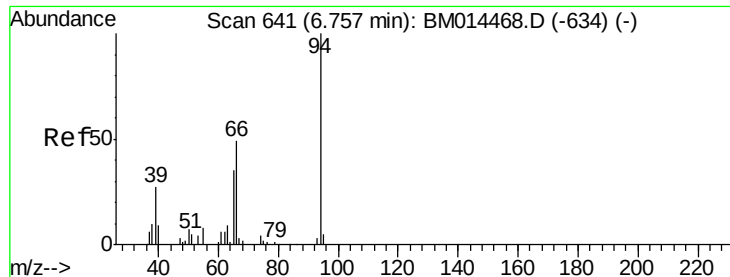
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014472.D
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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



#6

Phenol

Concen: 1.975 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

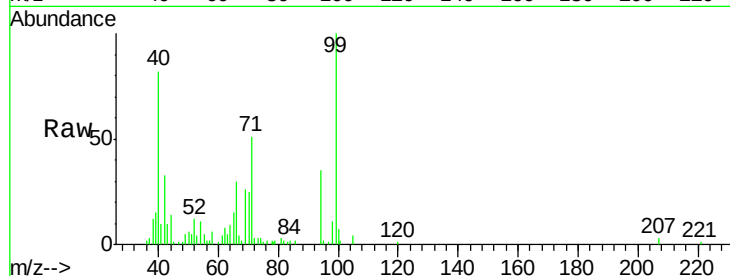
Tot Ion: 94 Resp: 18639

Ion Ratio Lower Upper

94 100

65 42.7 28.2 42.4#

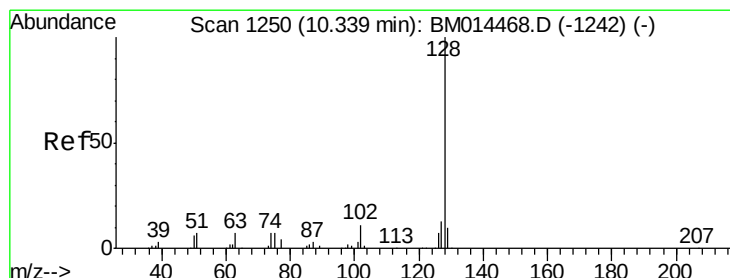
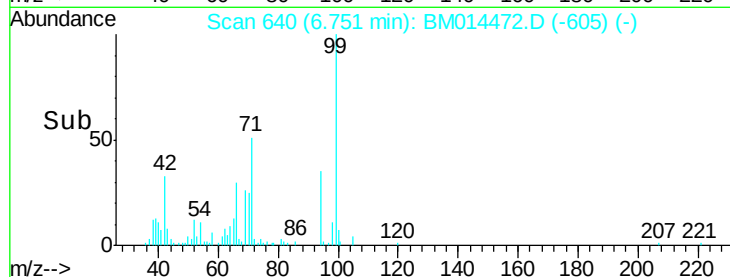
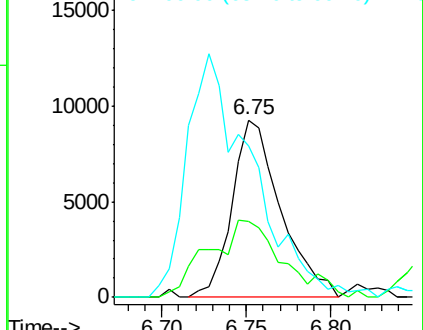
66 85.5 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014472.D (-605) (-)

Ion 65.00 (64.70 to 65.70): BM014472.D (-605) (-)

Ion 66.00 (65.70 to 66.70): BM014472.D (-605) (-)



#28

Naphthalene

Concen: 5.877 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

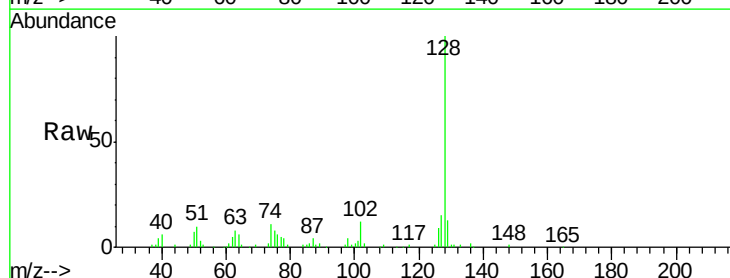
Tgt Ion: 128 Resp: 143959

Ion Ratio Lower Upper

128 100

129 12.8 8.8 13.2

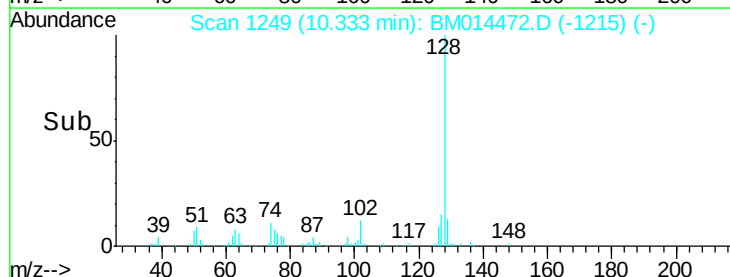
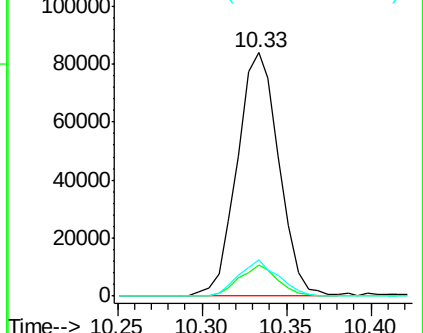
127 14.8 10.6 16.0

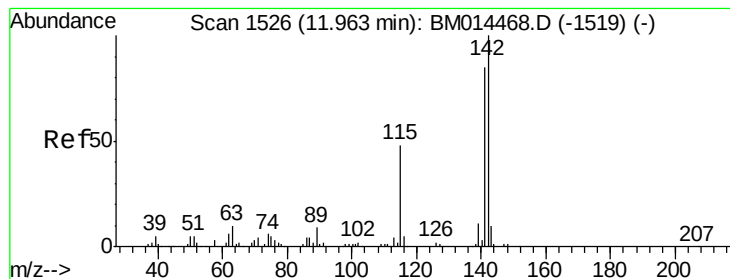


Abundance Ion 128.00 (127.70 to 128.70): BM014472.D (-1215) (-)

Ion 129.00 (128.70 to 129.70): BM014472.D (-1215) (-)

Ion 127.00 (126.70 to 127.70): BM014472.D (-1215) (-)





#34

2-Methylnaphthalene

Concen: 3.006 ng/ul

RT: 11.96 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

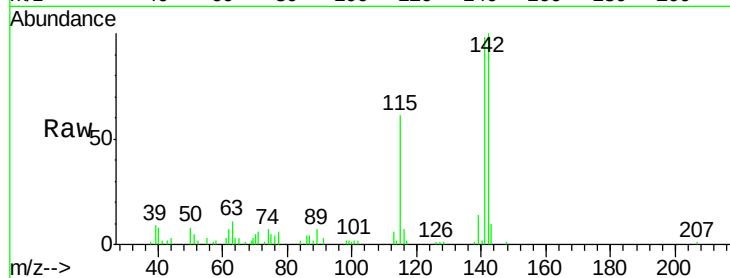
BE5T9

Tot Ion:142 Resp: 56042

Ion Ratio Lower Upper

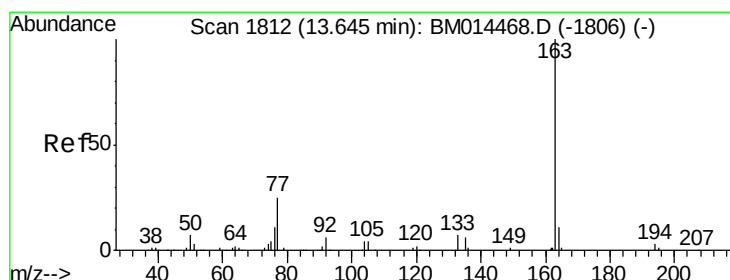
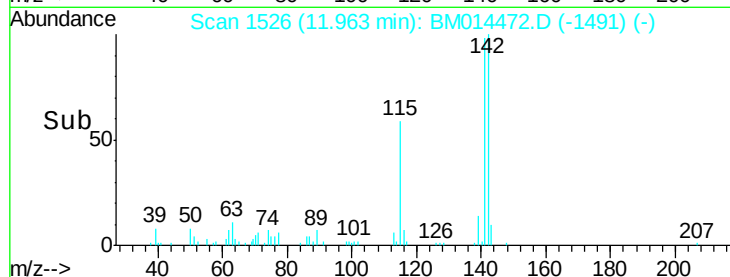
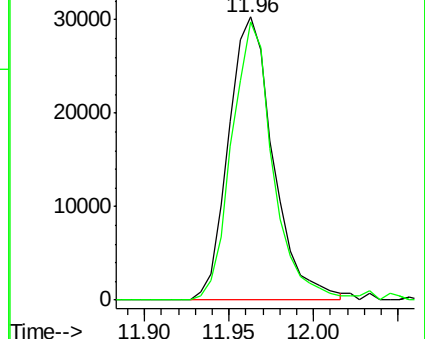
142 100

141 98.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 5.344 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

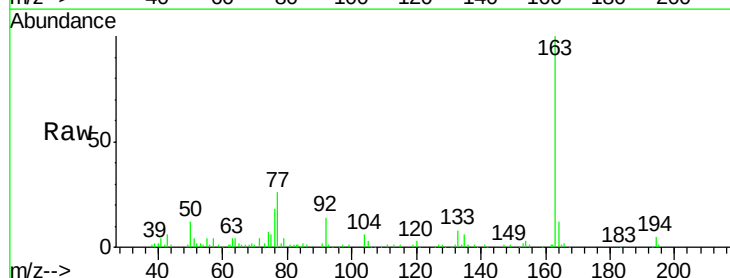
Tgt Ion:163 Resp: 122661

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

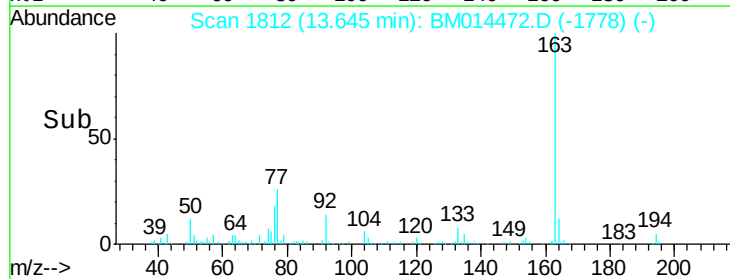
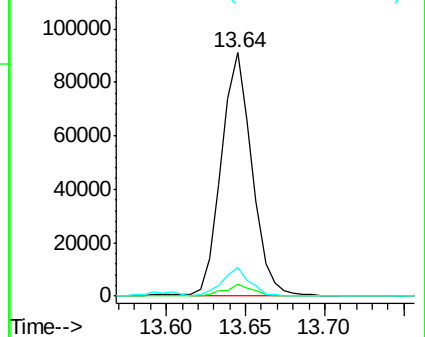
164 11.9 8.2 12.4

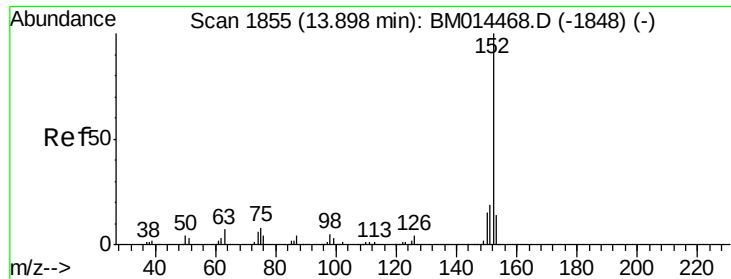


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 8.482 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

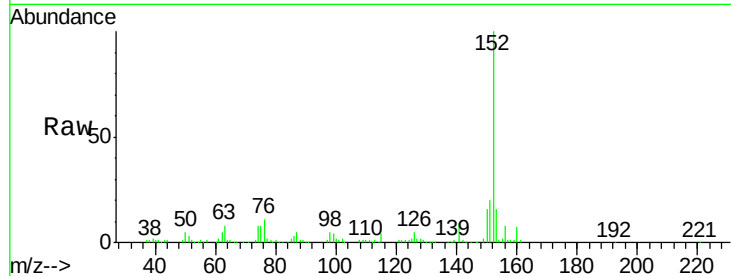
Tot Ion:152 Resp: 230108

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

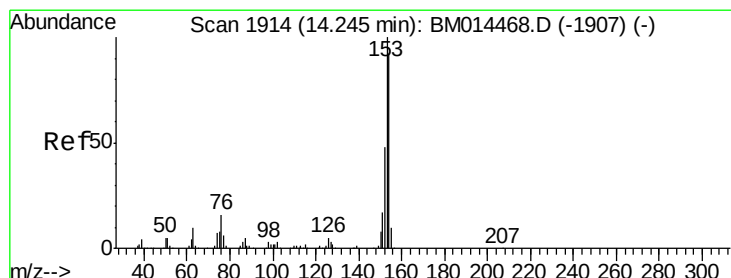
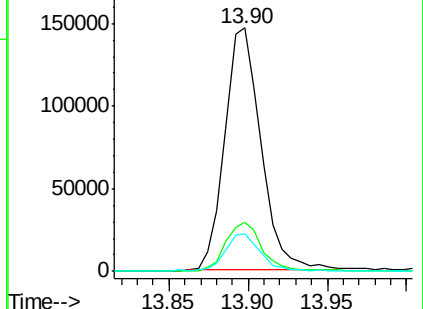
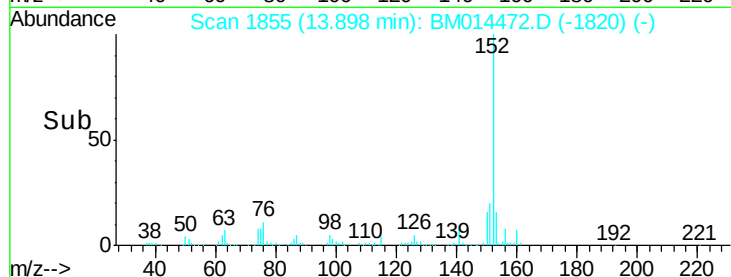
153 15.5 10.2 15.4#



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: 10.433 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

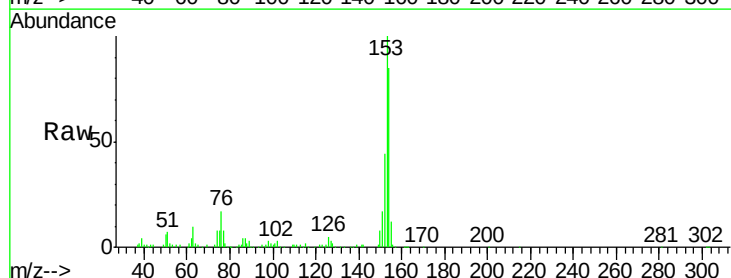
Tgt Ion:153 Resp: 199295

Ion Ratio Lower Upper

153 100

152 44.1 37.6 56.4

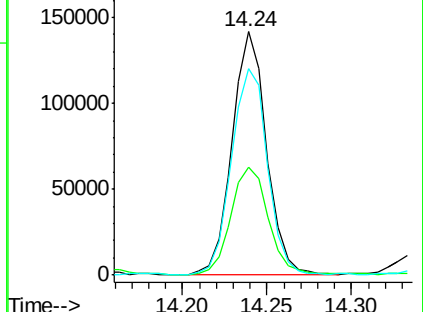
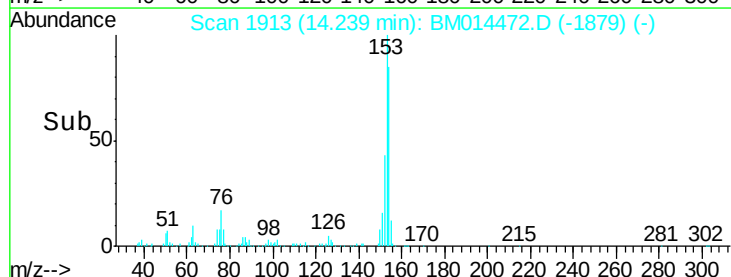
154 84.6 70.4 105.6

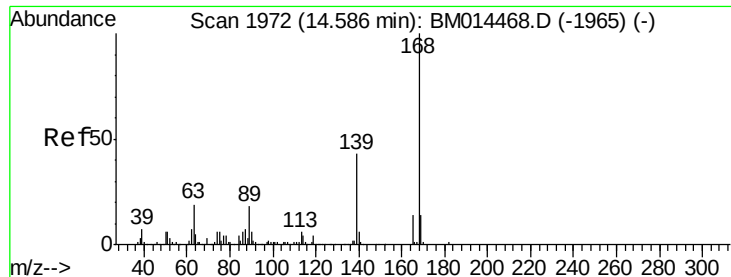


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

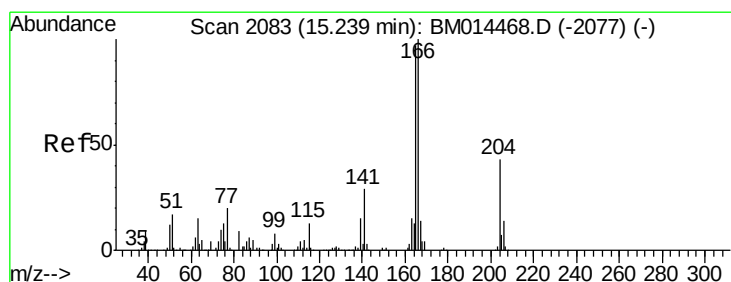
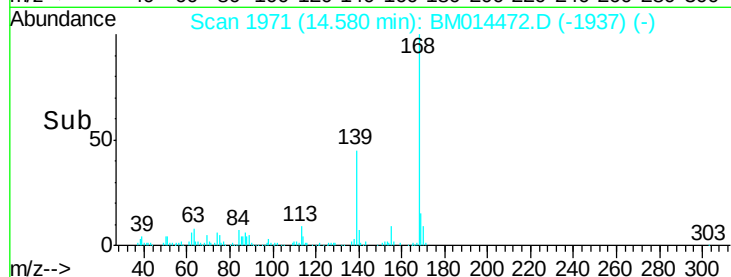
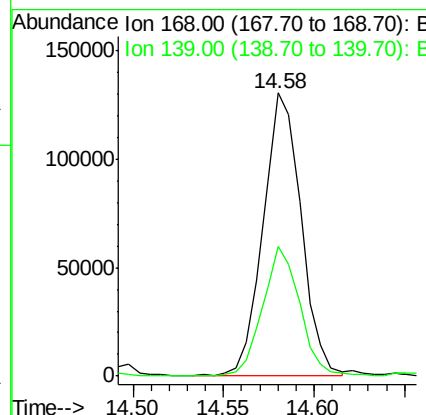
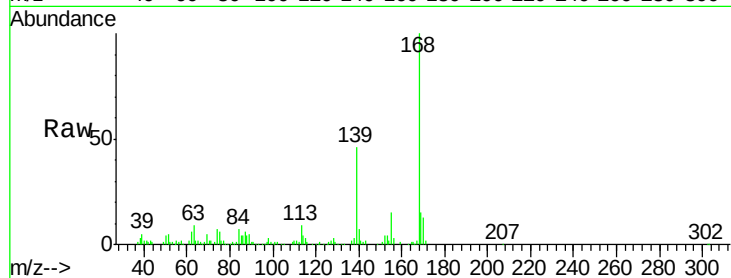




#53
Dibenzenofuran
Concen: 6.667 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BM014472.D
Acq: 05 Mar 2018 14:35

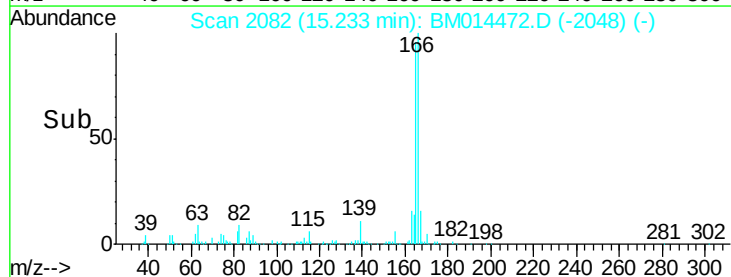
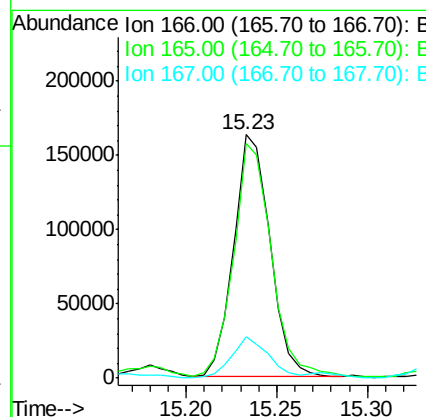
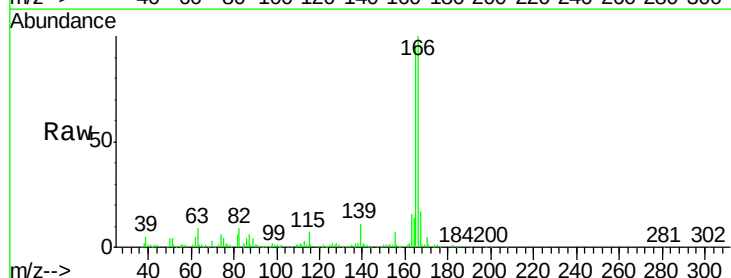
Instrument :
BNA_M
ClientSampled :
BE5T9

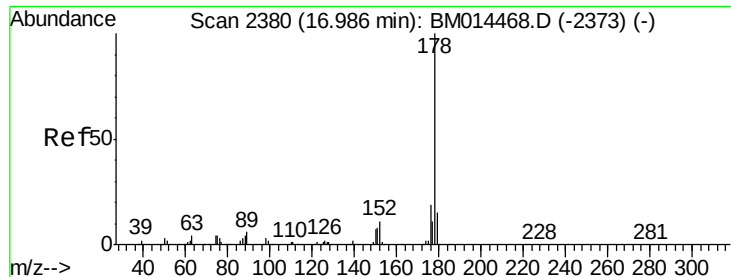
Tot Ion:168 Resp: 190953
Ion Ratio Lower Upper
168 100
139 46.0 30.8 46.2



#58
Fluorene
Concen: 9.195 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BM014472.D
Acq: 05 Mar 2018 14:35

Tgt Ion:166 Resp: 227377
Ion Ratio Lower Upper
166 100
165 96.1 77.9 116.9
167 16.9 10.6 16.0#





#69

Phenanthrene

Concen: 155.398 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

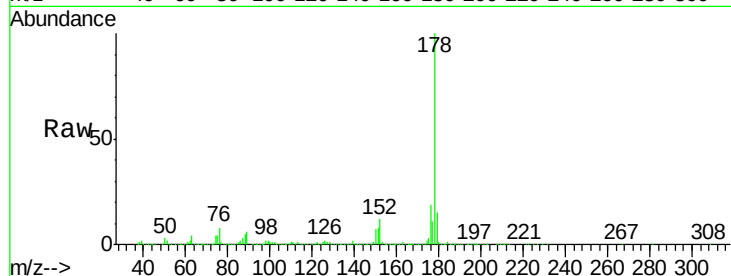
Tot Ion:178 Resp: 5047592

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

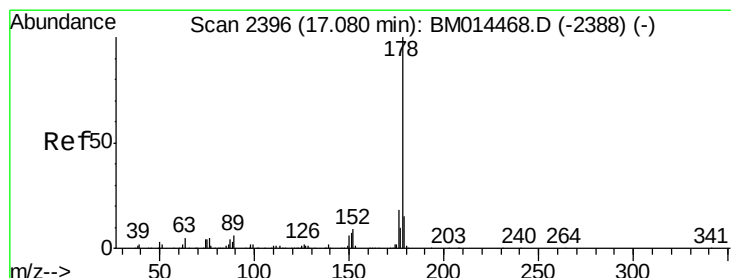
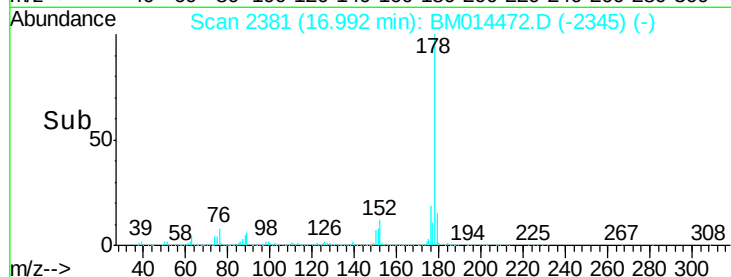
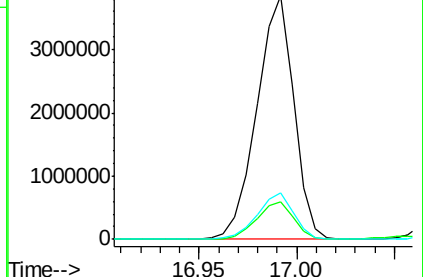
176 19.1 14.9 22.3



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: 28.034 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

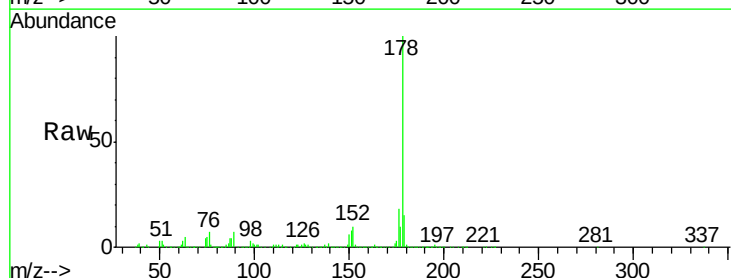
Tgt Ion:178 Resp: 915773

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

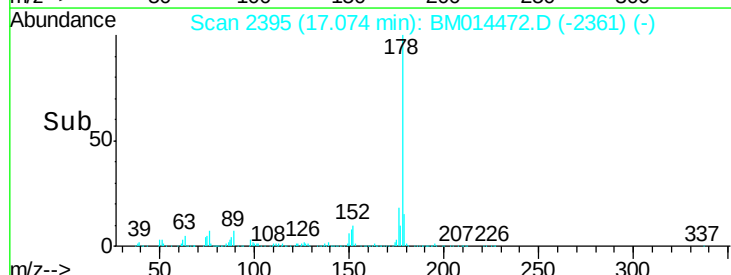
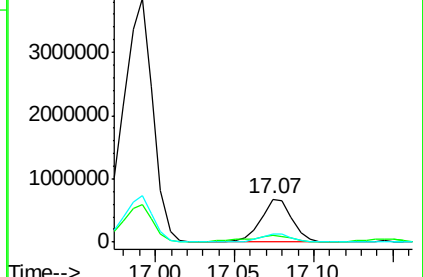
176 17.9 14.6 21.8

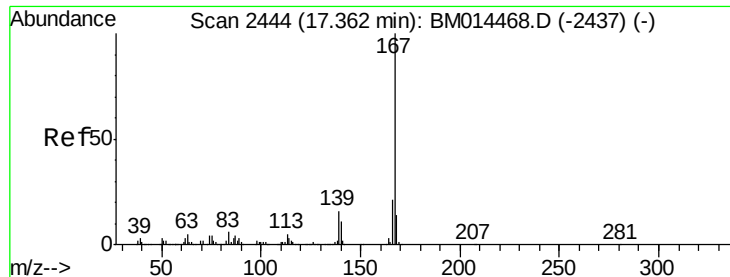


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

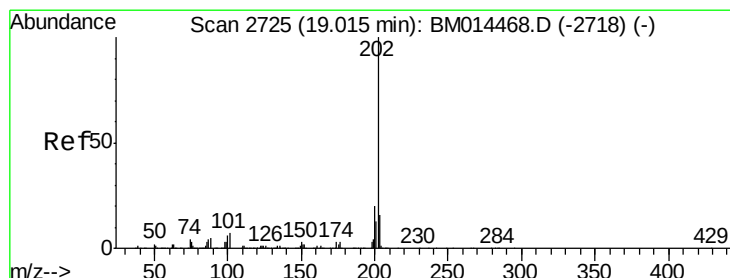
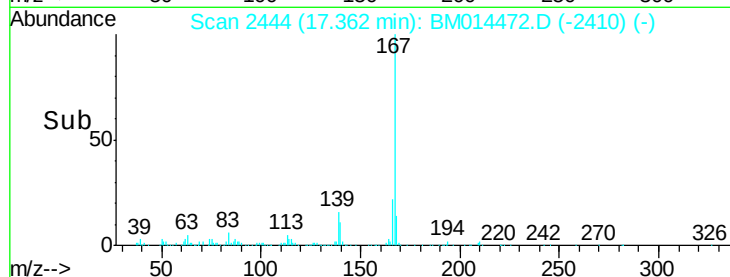
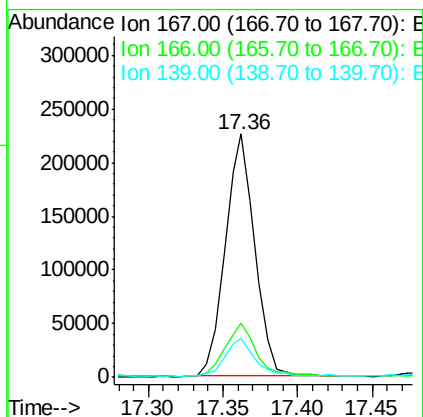
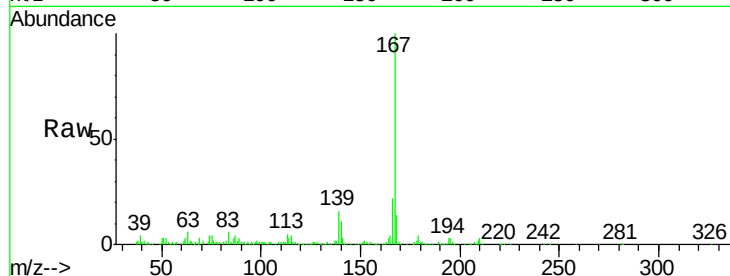




#72
 Carbazole
 Concen: 11.399 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BM014472.D
 Acq: 05 Mar 2018 14:35

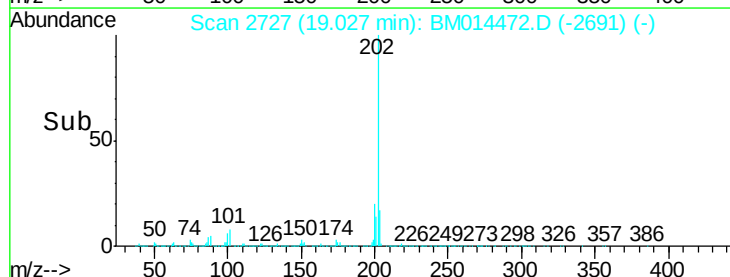
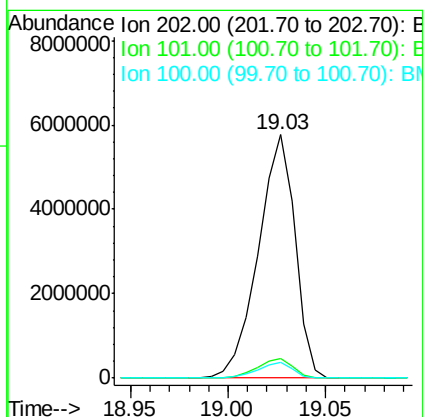
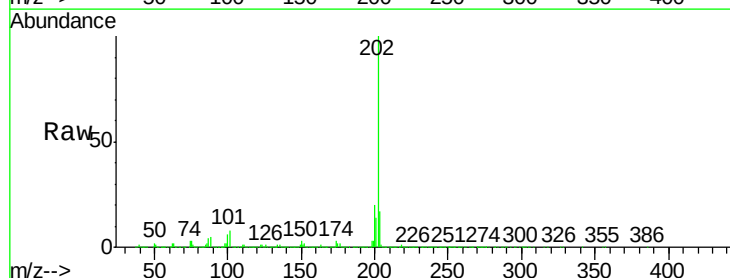
Instrument :
 BNA_M
 ClientSampleId :
 BE5T9

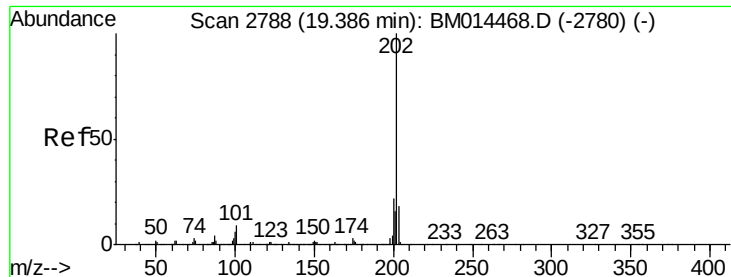
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	16.1	10.0	15.0



#74
 Fluoranthene
 Concen: 193.661 ng/ul
 RT: 19.03 min Scan# 2727
 Delta R.T. 0.01 min
 Lab File: BM014472.D
 Acq: 05 Mar 2018 14:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0
100	6.3	3.4	5.2





#77

Pvrene

Concen: 222.236 ng/ul

RT: 19.39 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

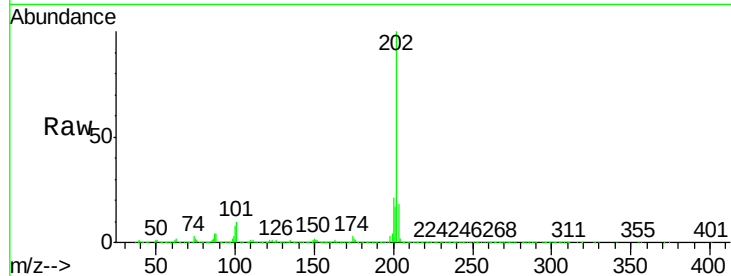
Tot Ion:202 Resp: 6506173

Ion Ratio Lower Upper

202 100

101 9.8 5.1 7.7#

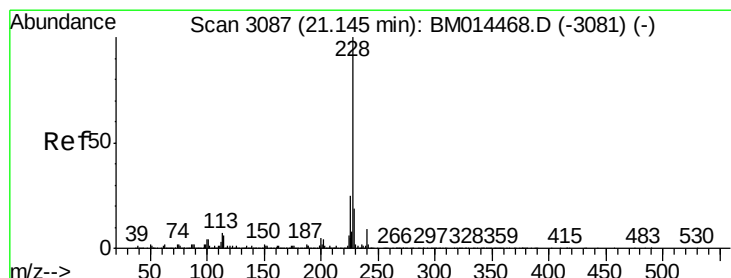
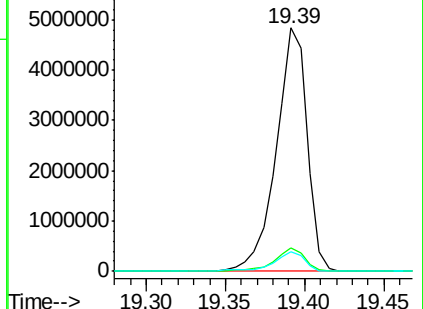
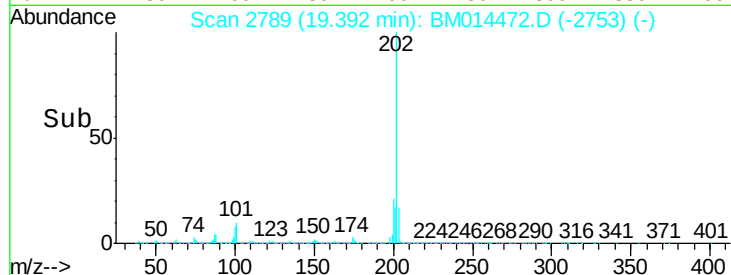
100 8.1 4.9 7.3#



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: 96.211 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

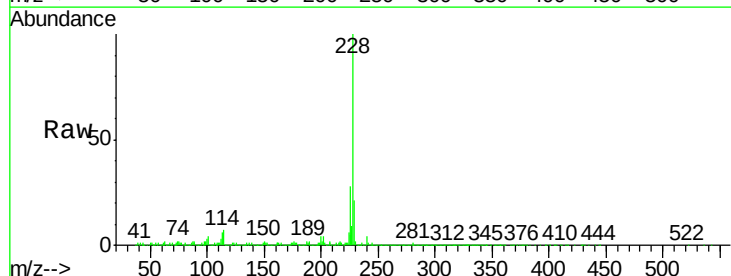
Tgt Ion:228 Resp: 2645153

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

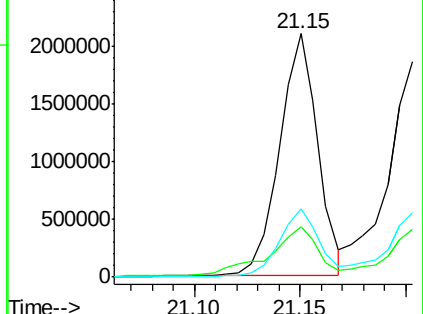
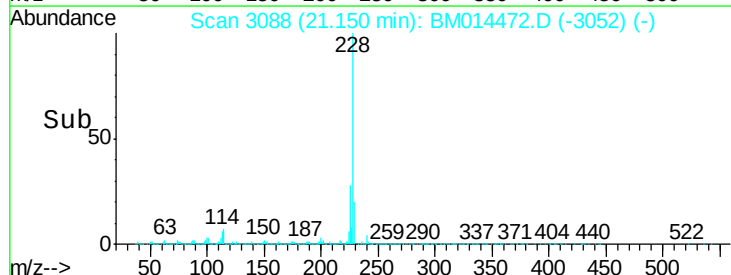
226 27.8 21.4 32.0

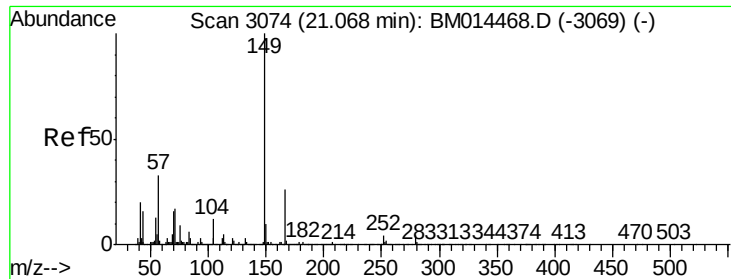


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 4.235 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

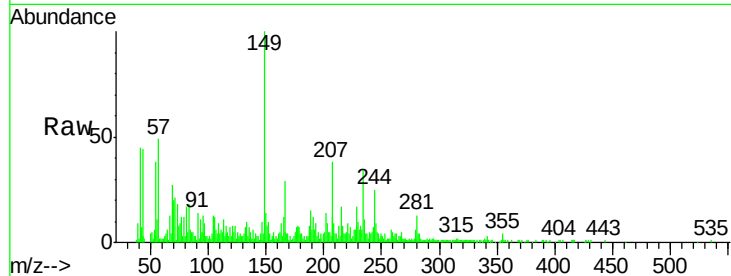
BNA_M

ClientSampleId :

BE5T9

Tot Ion:149 Resp: 73426

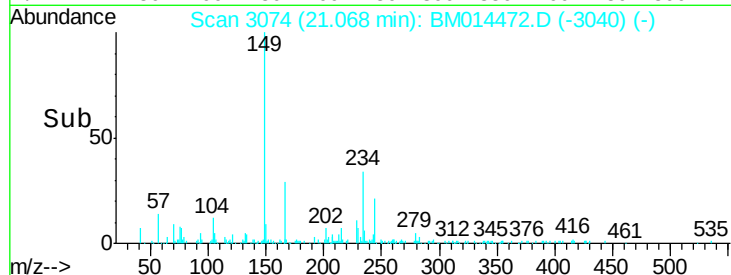
Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.8	34.2
279	5.8	4.9	7.3



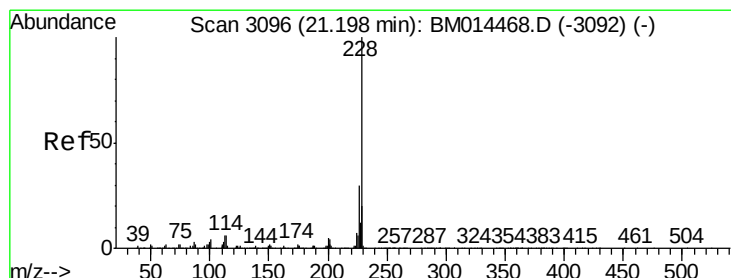
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 95.284 ng/ul

RT: 21.20 min Scan# 3097

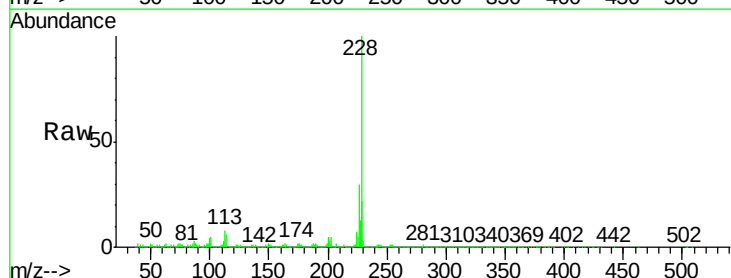
Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Tgt Ion:228 Resp: 2443807

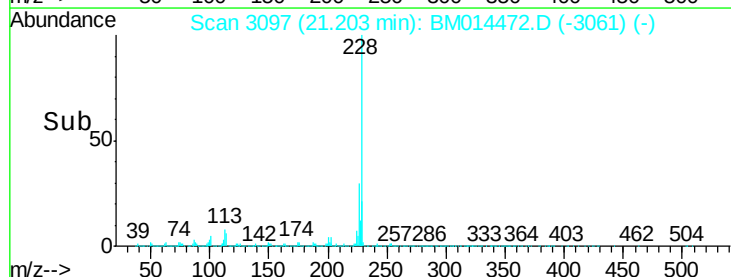
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	21.9	15.5	23.3



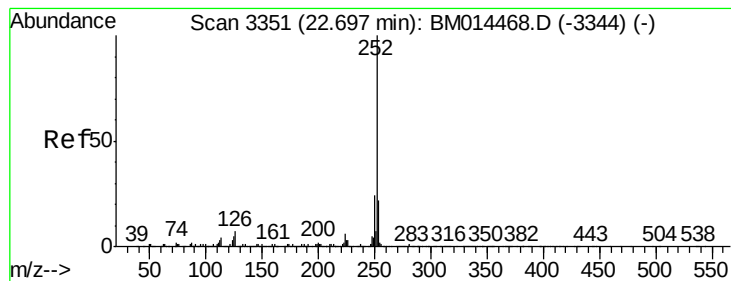
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 107.723 ng/ul

RT: 22.71 min Scan# 3353

Delta R.T. 0.02 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

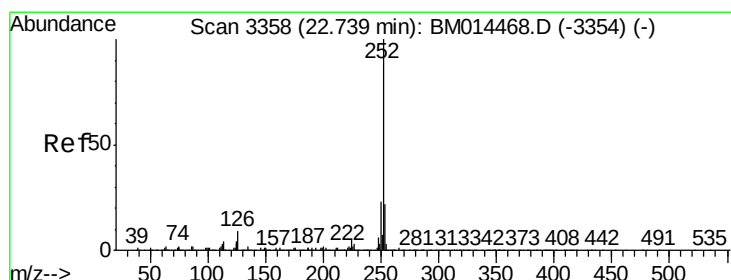
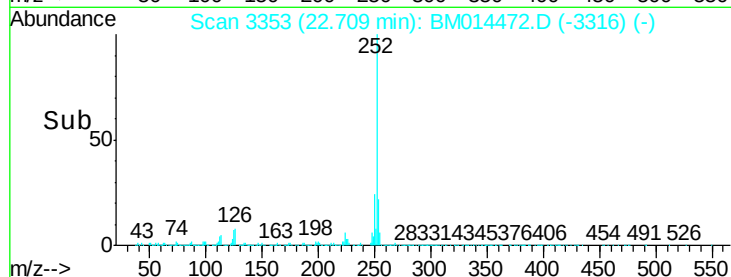
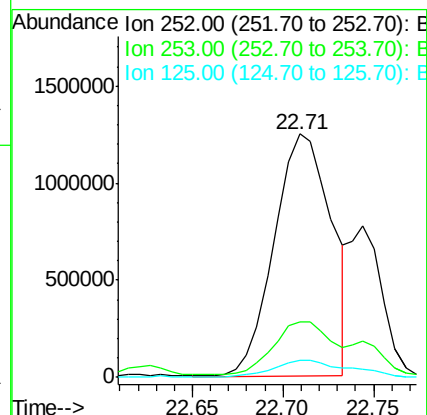
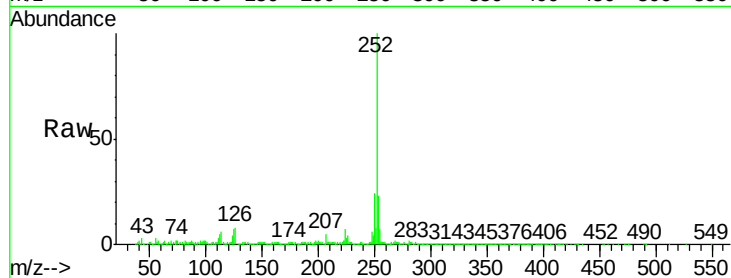
Tot Ion:252 Resp: 2762792

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 6.8 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 39.108 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

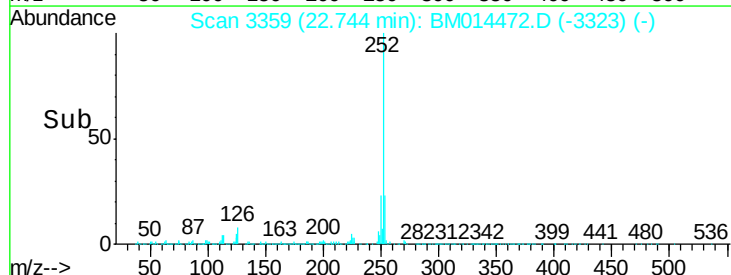
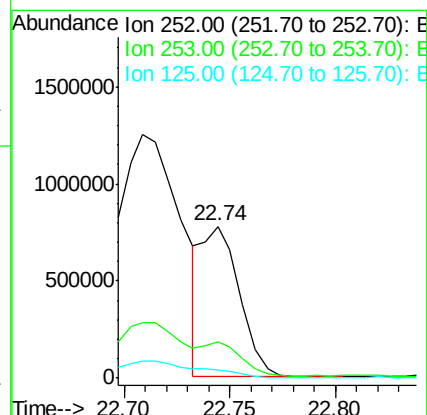
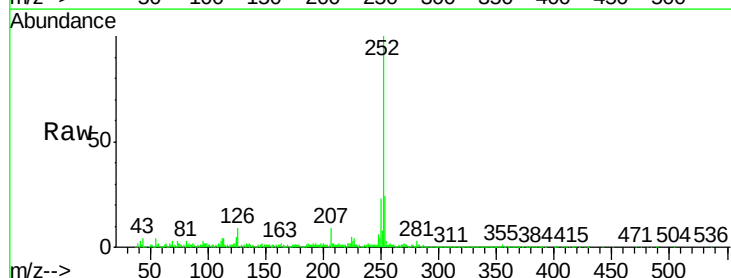
Tgt Ion:252 Resp: 953621

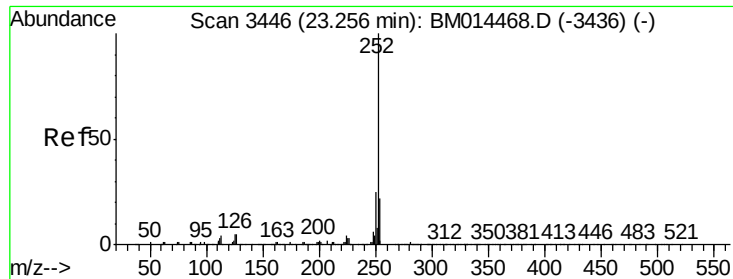
Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 5.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 91.529 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

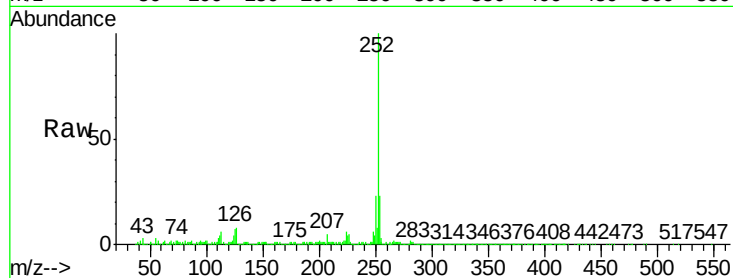
Tot Ion:252 Resp: 2097701

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

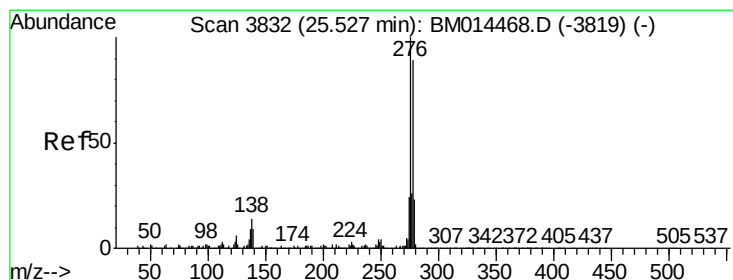
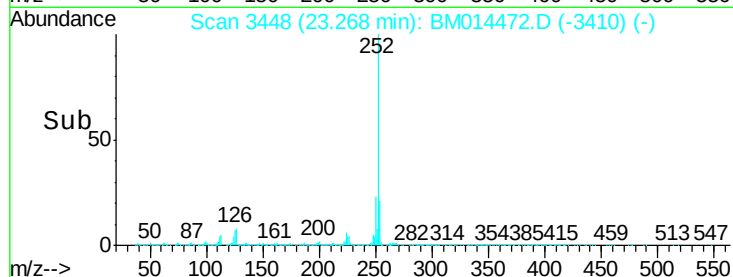
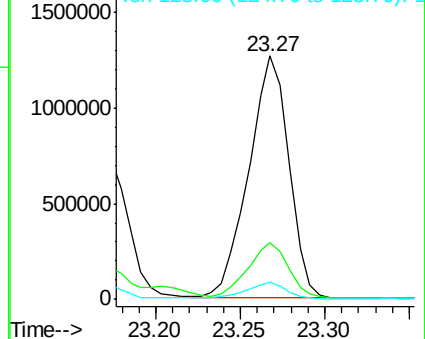
125 6.9 4.0 6.0#



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: 58.392 ng/ul

RT: 25.56 min Scan# 3837

Delta R.T. 0.04 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

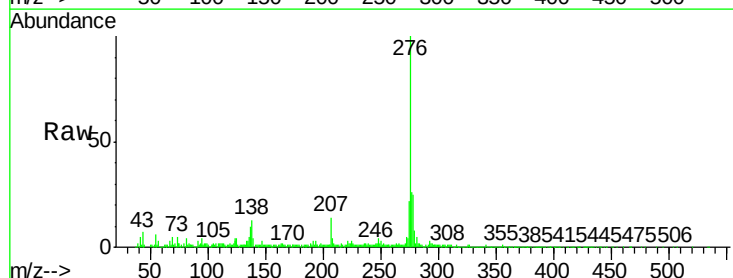
Tgt Ion:276 Resp: 1298593

Ion Ratio Lower Upper

276 100

138 12.6 9.3 13.9

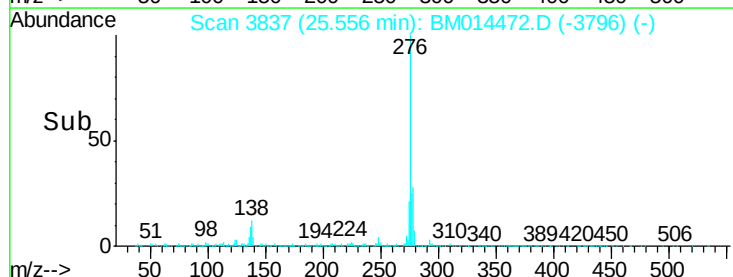
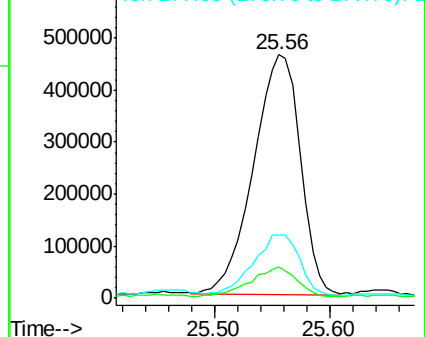
277 25.7 19.9 29.9

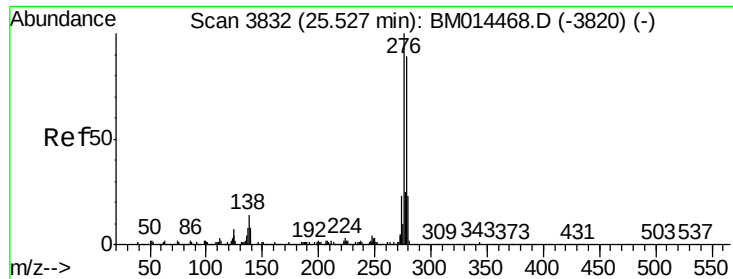


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 21.469 ng/ul

RT: 25.54 min Scan# 3835

Delta R.T. 0.02 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

Instrument :

BNA_M

ClientSampleId :

BE5T9

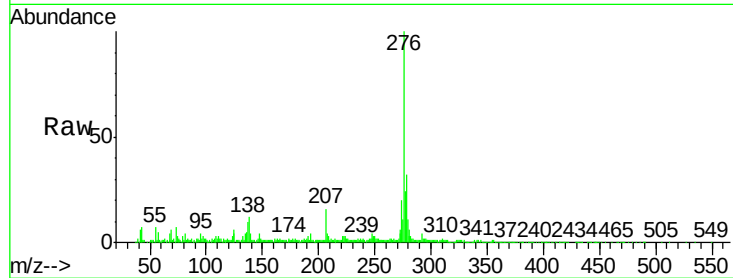
Tot Ion:278 Resp: 396737

Ion Ratio Lower Upper

278 100

139 13.7 5.8 8.8#

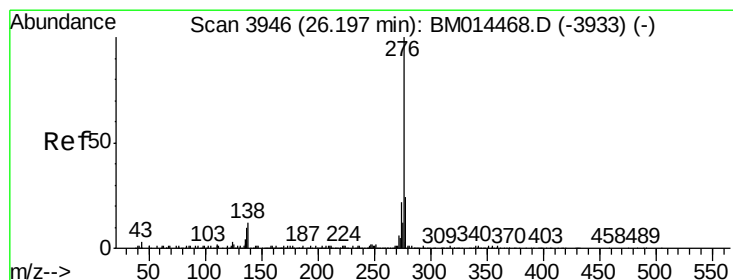
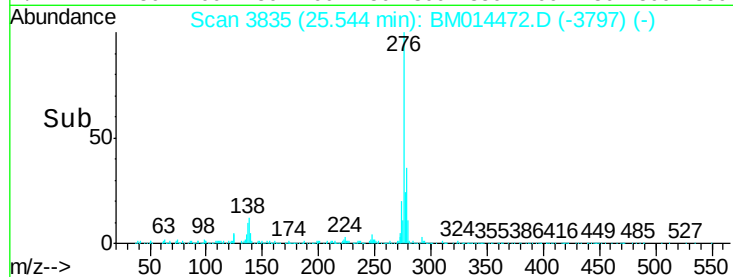
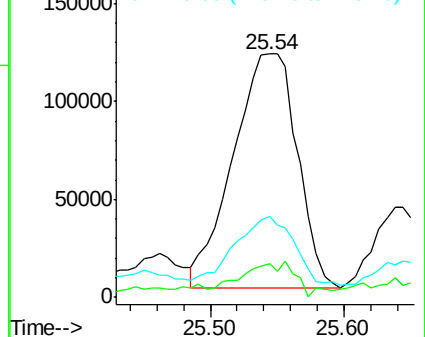
279 33.5 18.6 27.8#



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: 62.715 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. 0.05 min

Lab File: BM014472.D

Acq: 05 Mar 2018 14:35

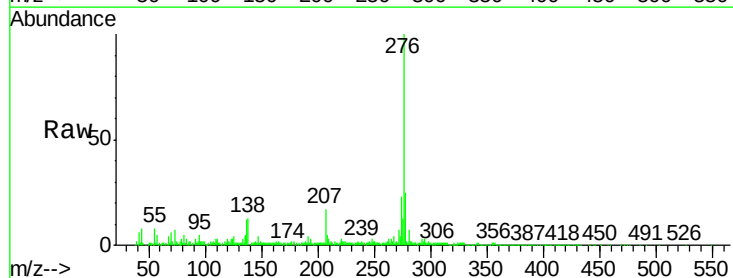
Tgt Ion:276 Resp: 1129865

Ion Ratio Lower Upper

276 100

138 13.0 8.5 12.7#

277 24.8 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

