

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040418\
 Data File : BM014669.D
 Acq On : 04 Apr 2018 11:59
 Operator : SJ/JU
 Sample : J2135-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2C40

Quant Time: Apr 05 02:00:33 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032818MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 05 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.58	152	405269	20.00	ng/ul	0.00
18) Naphthalene-d8	11.43	136	1756277	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.18	164	966438	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.89	188	1927638	20.00	ng/ul	0.00
77) Chrysene-d12	21.98	240	1561606	20.00	ng/ul	0.00
85) Perylene-d12	24.50	264	1396477	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.69	96	44265	5.26	ng/uL	0.00
5) Phenol-d5	7.69	99	882801	27.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.88	67	564997	27.79	ng/ul	0.00
9) 2-Chlorophenol-d4	8.09	132	715853	26.85	ng/ul	0.00
13) 4-Methylphenol-d8	9.27	113	726300	27.51	ng/ul	0.00
19) Nitrobenzene-d5	9.76	128	324062	28.69	ng/ul	0.00
22) 2-Nitrophenol-d4	10.49	143	285117	28.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.03	165	685498	26.43	ng/ul	0.00
29) 4-Chloroaniline-d4	11.55	131	393865	13.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.57	166	2210729	28.95	ng/ul	0.00
46) Acenaphthylene-d8	14.88	160	2729187	28.14	ng/ul	0.00
51) 4-Nitrophenol-d4	15.33	143	293819	23.71	ng/ul	0.00
57) Fluorene-d10	16.16	176	1833229	27.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.25	200	176537	21.45	ng/ul	0.00
70) Anthracene-d10	17.99	188	2732598	30.09	ng/ul	0.00
78) Pyrene-d10	20.22	212	2699213	34.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.34	264	2106565	30.72	ng/ul	0.00

Target Compounds

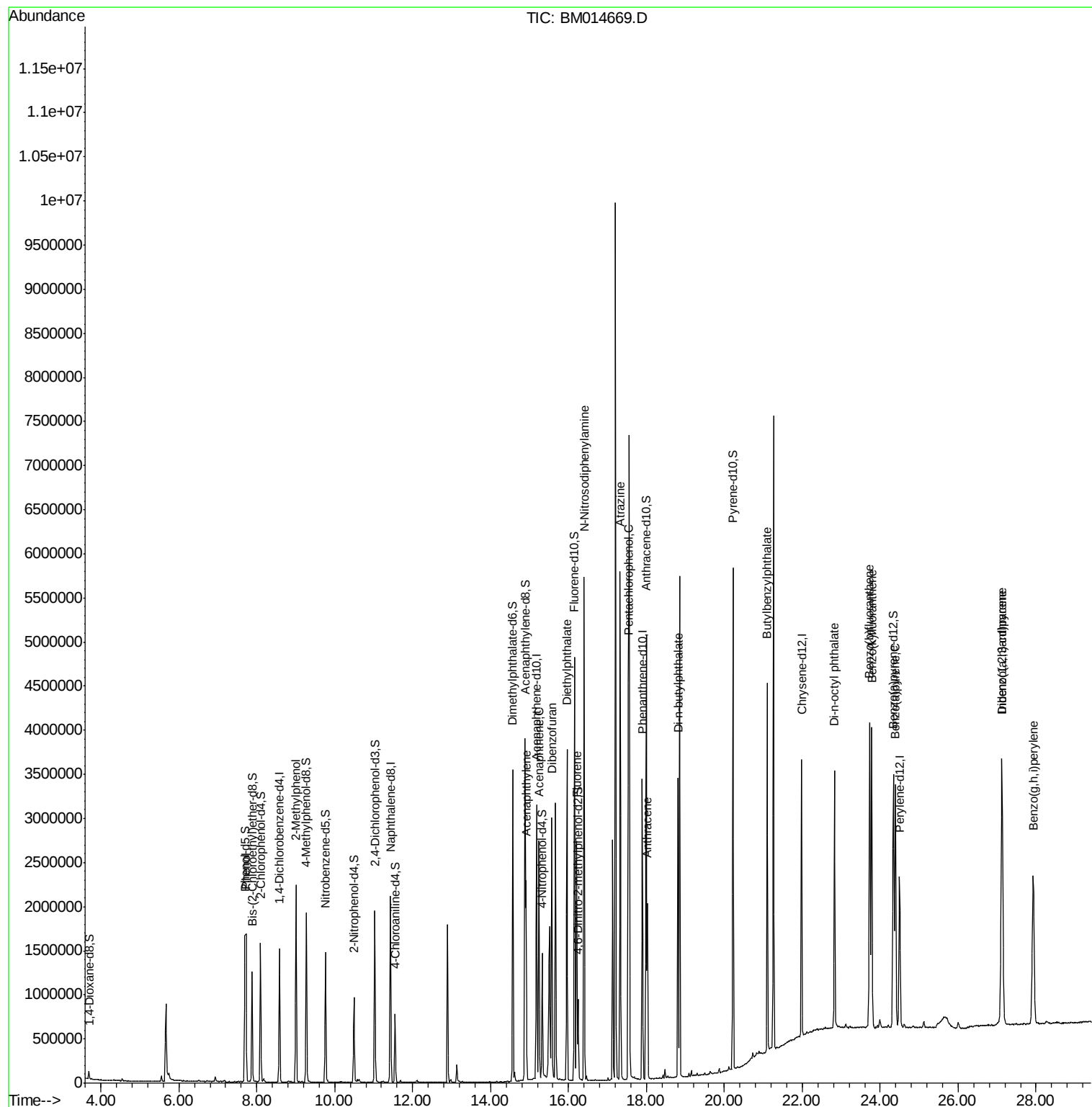
					Ovalue	
6) Phenol	7.72	94	822858	26.071	ng/ul	94
11) 2-Methylphenol	9.01	108	739783	30.781	ng/ul	100
47) Acenaphthylene	14.91	152	1531763	16.651	ng/ul	99
49) Acenaphthene	15.24	153	1077691	16.779	ng/ul	99
53) Dibenzofuran	15.57	168	1785315	20.256	ng/ul	96
56) Diethylphthalate	15.96	149	2050732	27.859	ng/ul	100
58) Fluorene	16.21	166	1183234	16.481	ng/ul	100
64) N-Nitrosodiphenylamine	16.40	169	2126687	36.928	ng/ul	99
67) Atrazine	17.33	200	991632	49.436	ng/ul	97
68) Pentachlorophenol	17.53	266	788409	62.084	ng/ul	99
71) Anthracene	18.02	178	1225783	11.657	ng/ul	99
75) Di-n-butylphthalate	18.81	149	2327462	21.537	ng/ul	99
80) Butylbenzylphthalate	21.10	149	1112039	32.565	ng/ul	98
86) Di-n-octyl phthalate	22.83	149	2009235	24.532	ng/ul#	89
87) Benzo(b)fluoranthene	23.73	252	2661339	31.767	ng/ul	99
88) Benzo(k)fluoranthene	23.78	252	2378824	29.505	ng/ul	100
90) Benzo(a)pyrene	24.39	252	2248025	28.669	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	27.12	276	2814342	32.003	ng/ul#	94
92) Dibenzo(a,h)anthracene	27.13	278	1457705	19.768	ng/ul	99
93) Benzo(g,h,i)perylene	27.93	276	2313636	32.361	ng/ul	98

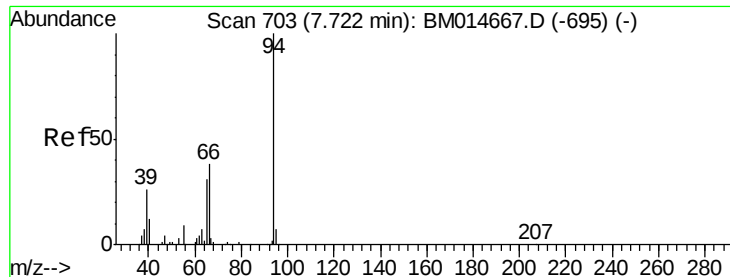
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 26.071 ng/ul

RT: 7.72 min Scan# 703

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampleId :

X2C40

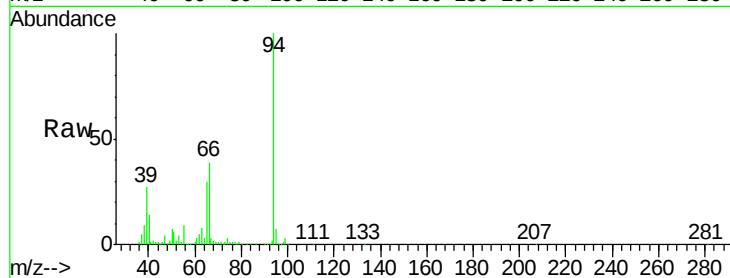
Tot Ion: 94 Resp: 822858

Ion Ratio Lower Upper

94 100

65 30.5 21.0 31.6

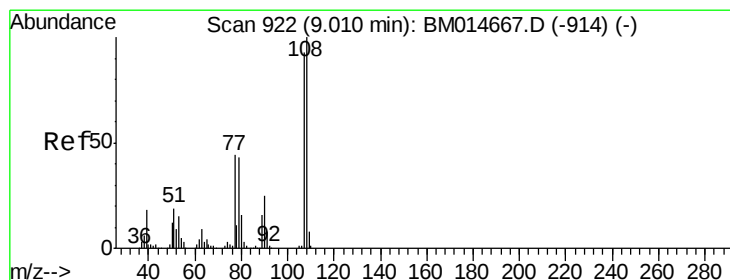
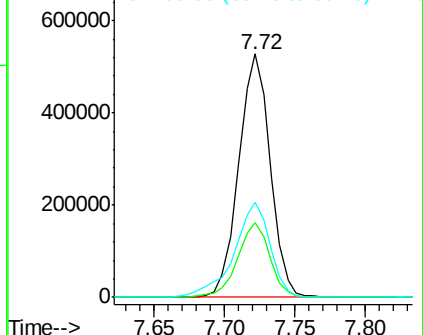
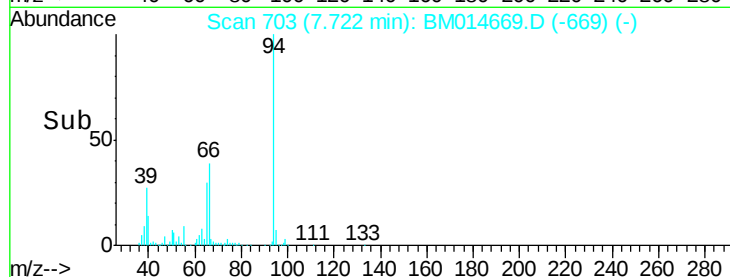
66 38.9 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM014669.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM014669.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM014669.D (-669) (-)



#11

2-Methylphenol

Concen: 30.781 ng/ul

RT: 9.01 min Scan# 922

Delta R.T. -0.00 min

Lab File: BM014669.D

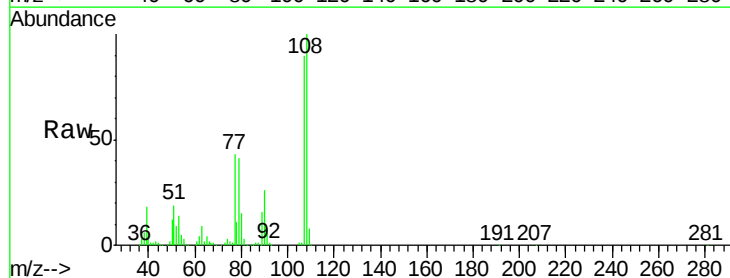
Acq: 04 Apr 2018 11:59

Tgt Ion: 108 Resp: 739783

Ion Ratio Lower Upper

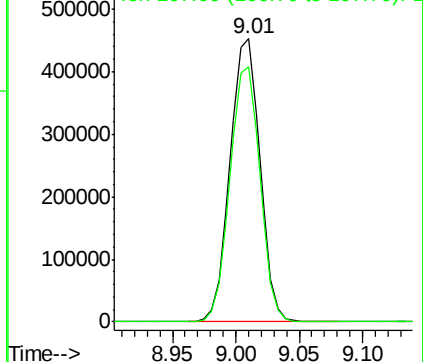
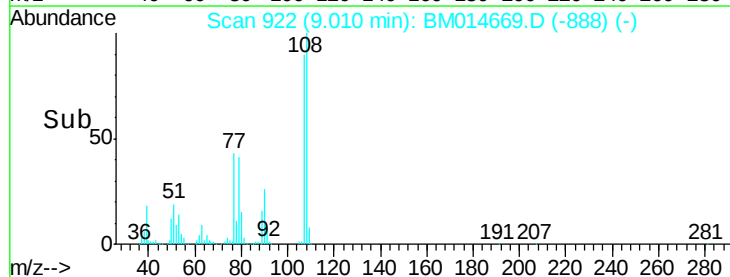
108 100

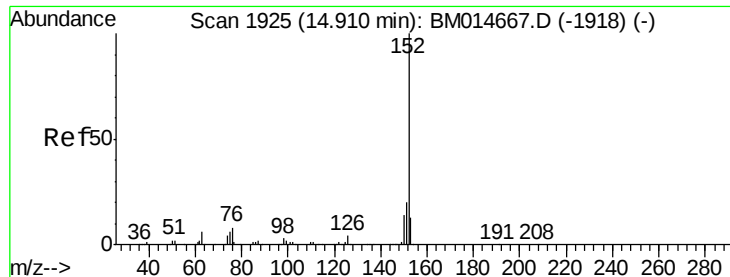
107 90.1 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): BM014669.D (-888) (-)

Ion 107.00 (106.70 to 107.70): BM014669.D (-888) (-)





#47

Acenaphthylene

Concen: 16.651 ng/ul

RT: 14.91 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

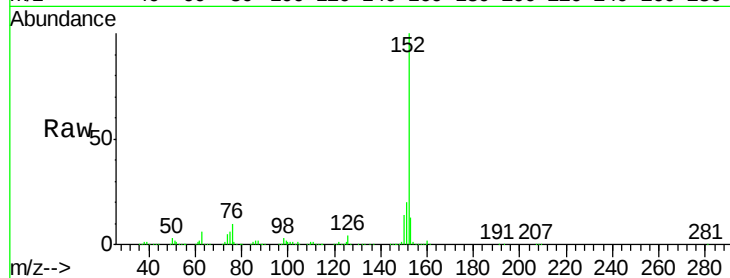
BNA_M

ClientSampled :

X2C40

Tot Ion:152 Resp: 1531763

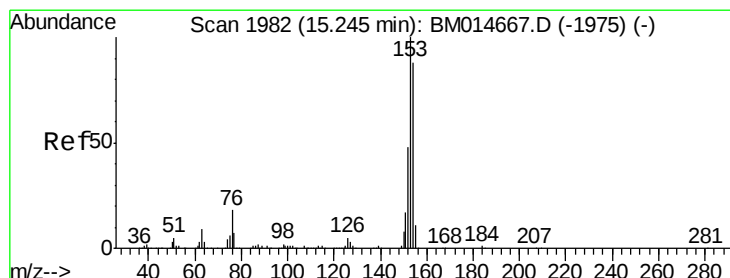
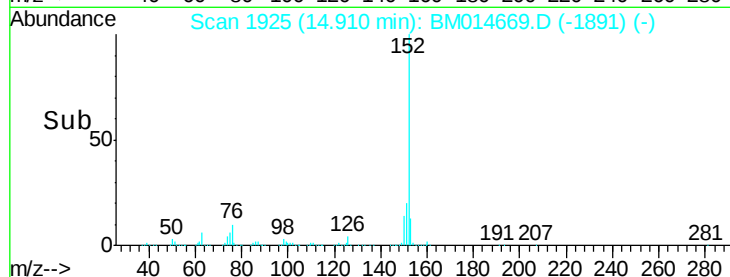
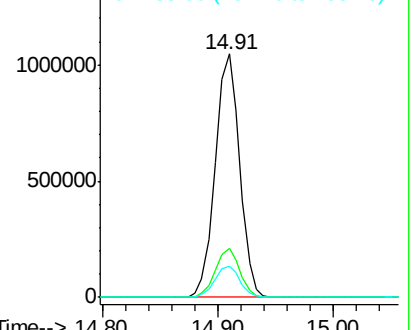
Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	12.8	10.5	15.7



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: 16.779 ng/ul

RT: 15.24 min Scan# 1981

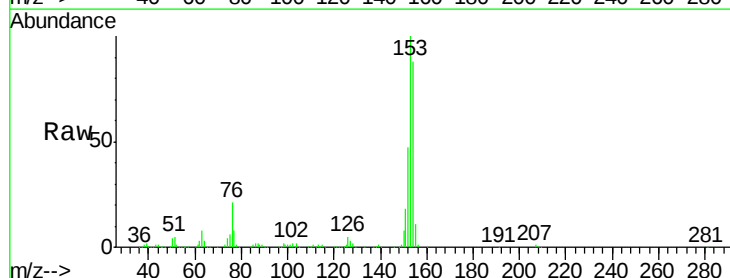
Delta R.T. -0.01 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Tgt Ion:153 Resp: 1077691

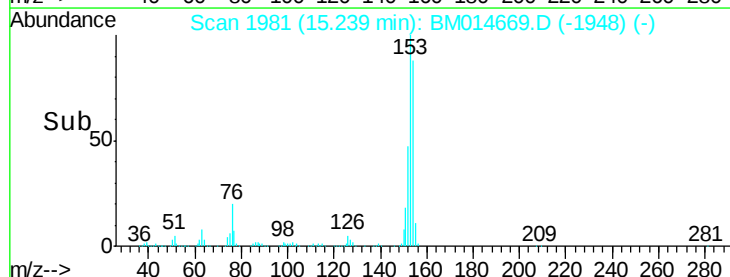
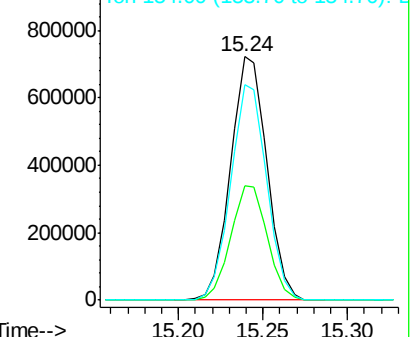
Ion	Ratio	Lower	Upper
153	100		
152	47.1	38.3	57.5
154	88.4	71.8	107.8

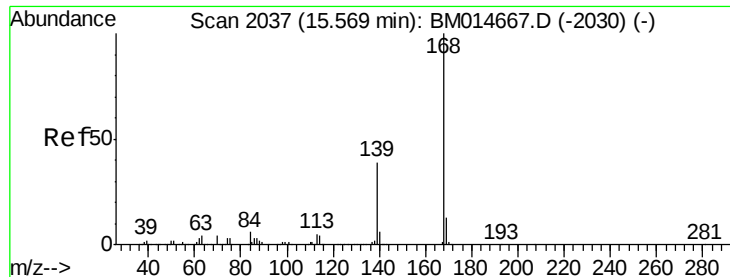


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 20.256 ng/ul

RT: 15.57 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampleId :

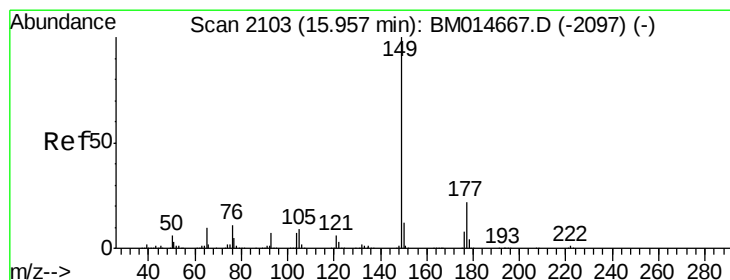
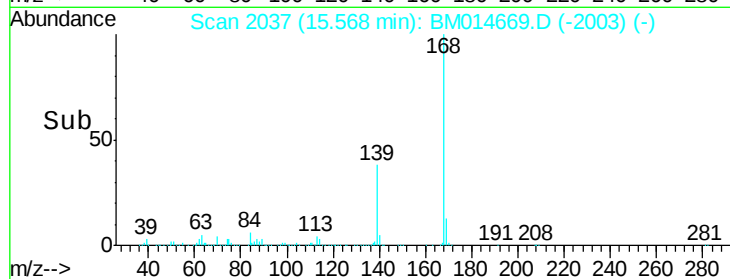
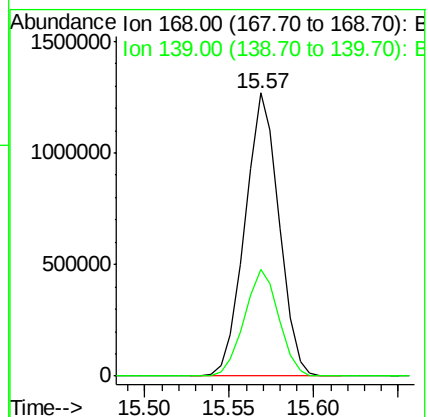
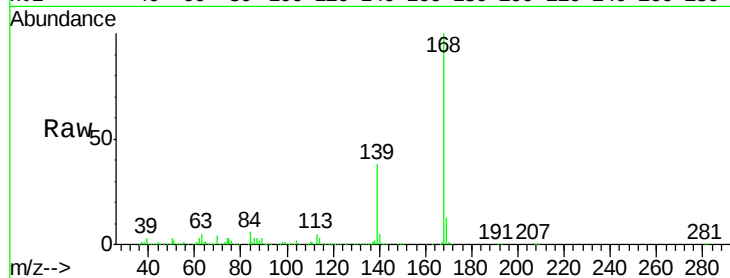
X2C40

Tot Ion:168 Resp: 1785315

Ion Ratio Lower Upper

168 100

139 37.7 32.2 48.2



#56

Diethylphthalate

Concen: 27.859 ng/ul

RT: 15.96 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

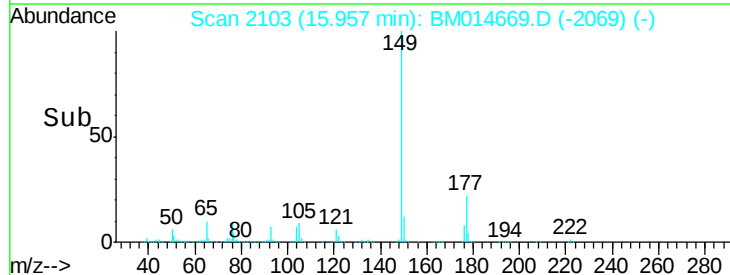
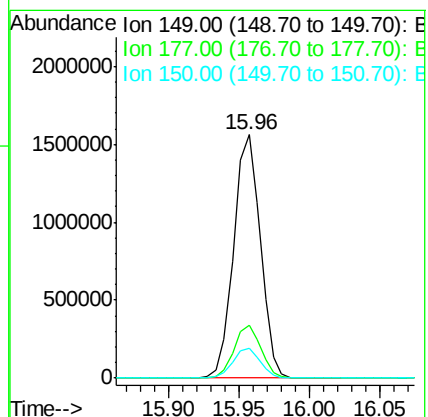
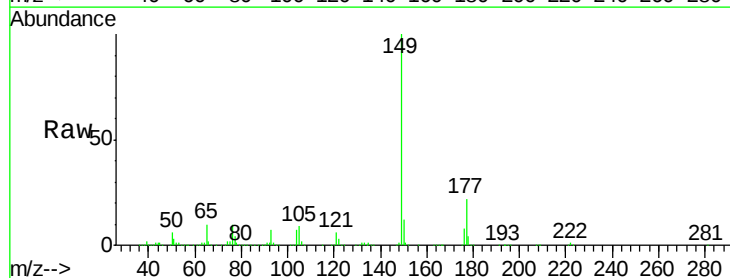
Tgt Ion:149 Resp: 2050732

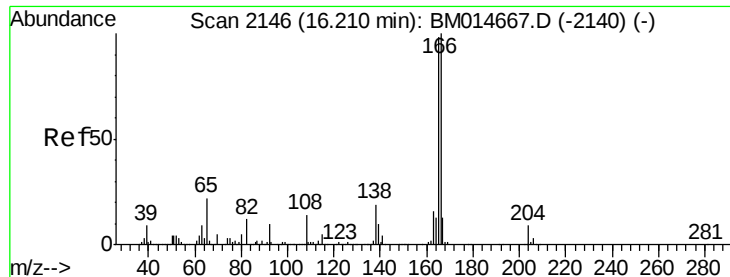
Ion Ratio Lower Upper

149 100

177 21.9 17.4 26.2

150 12.2 10.0 15.0





#58

Fluorene

Concen: 16.481 ng/ul

RT: 16.21 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampled :

X2C40

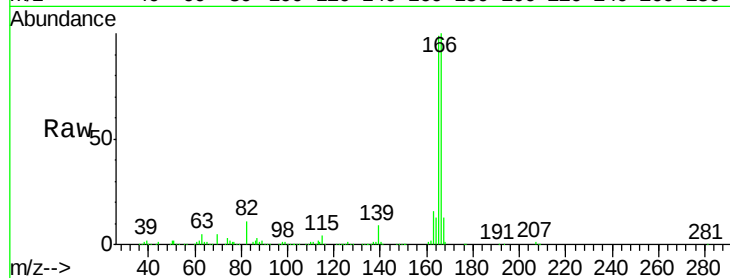
Tot Ion:166 Resp: 1183234

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

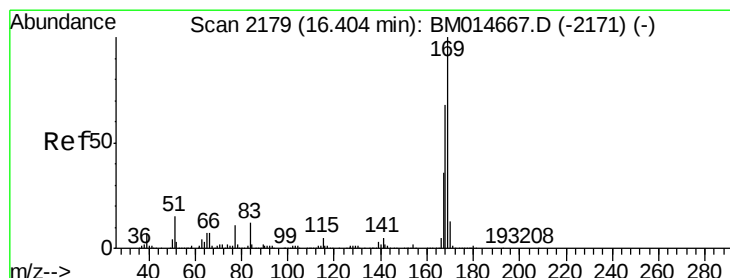
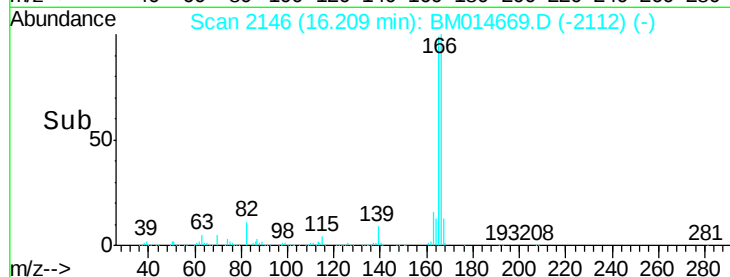
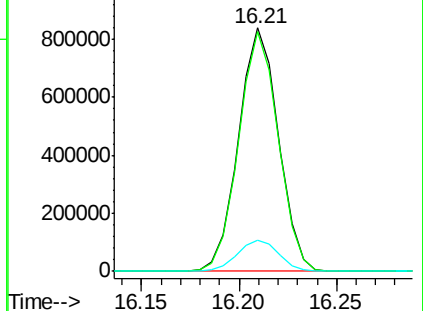
167 13.0 10.7 16.1



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



#64

N-Nitrosodiphenylamine

Concen: 36.928 ng/ul

RT: 16.40 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

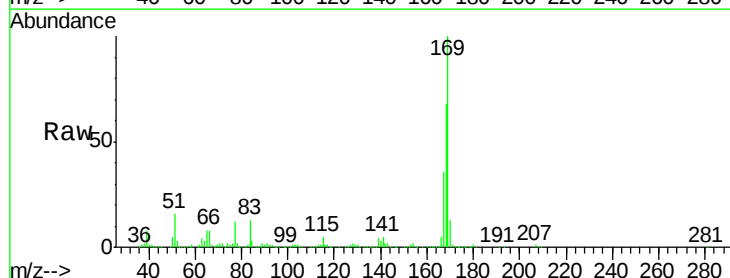
Tgt Ion:169 Resp: 2126687

Ion Ratio Lower Upper

169 100

168 68.2 53.8 80.8

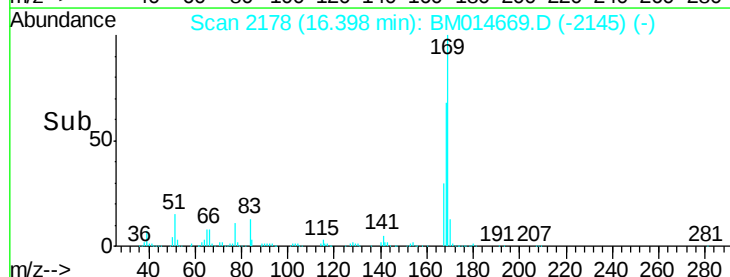
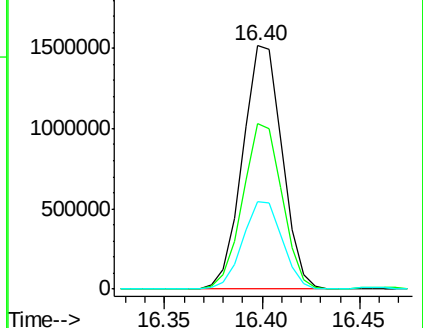
167 36.1 29.3 43.9

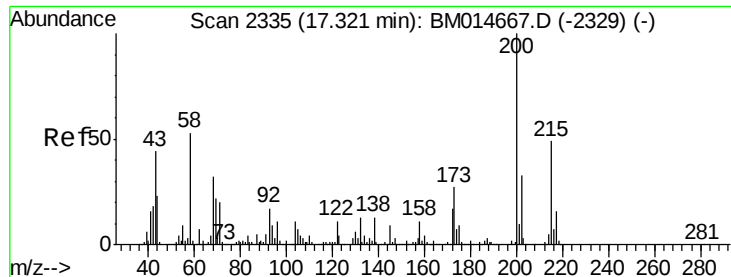


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

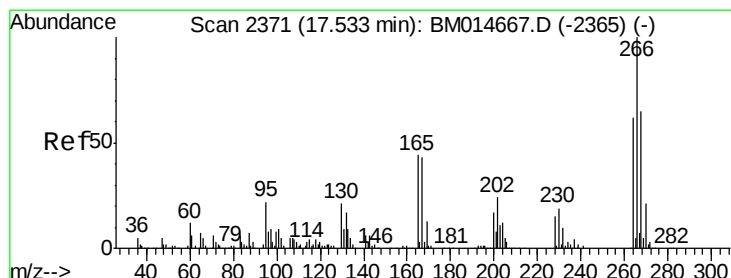
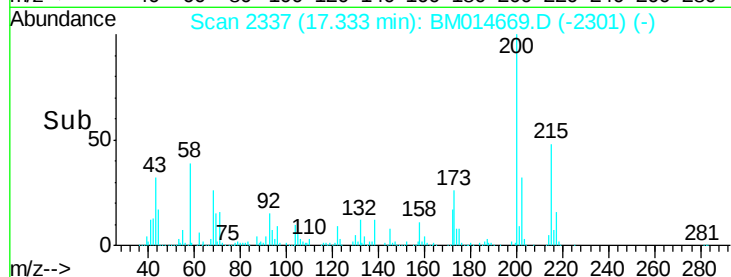
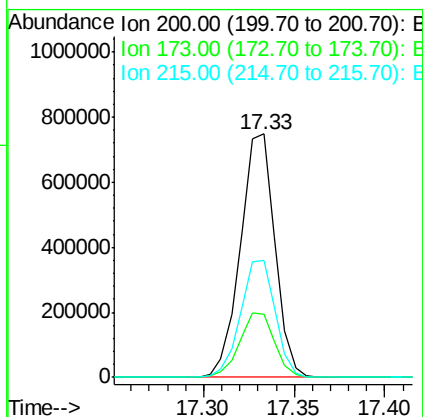
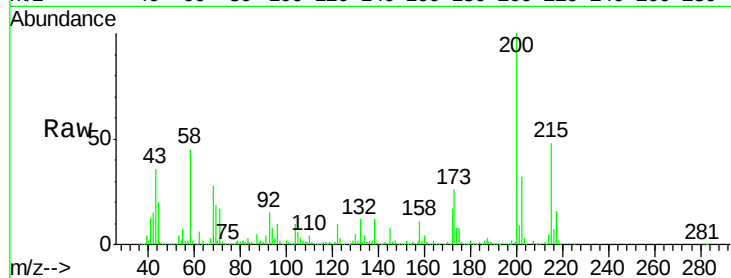




#67
Atrazine
Concen: 49.436 ng/ul
RT: 17.33 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BM014669.D
Acq: 04 Apr 2018 11:59

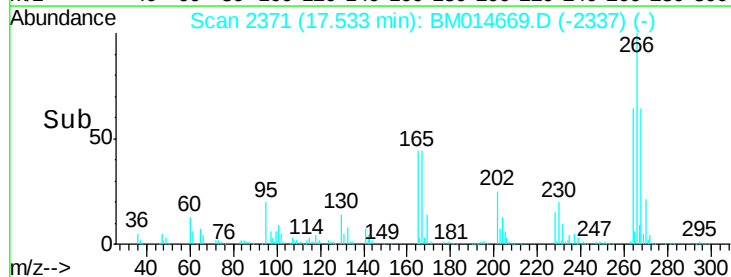
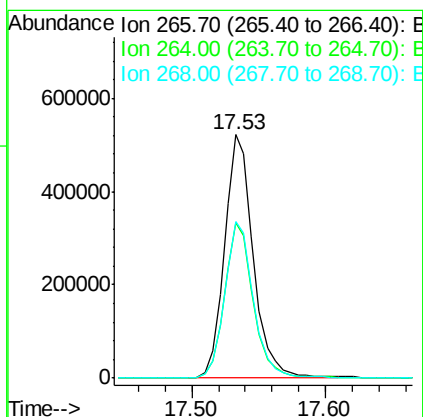
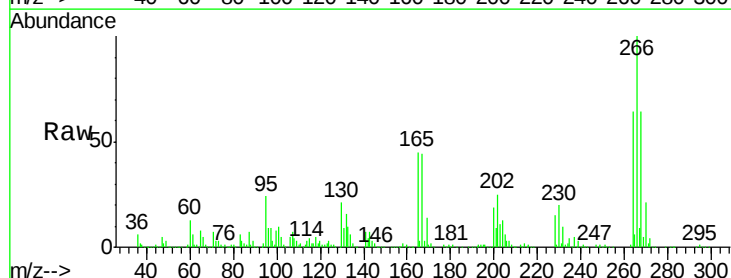
Instrument :
BNA_M
ClientSampled :
X2C40

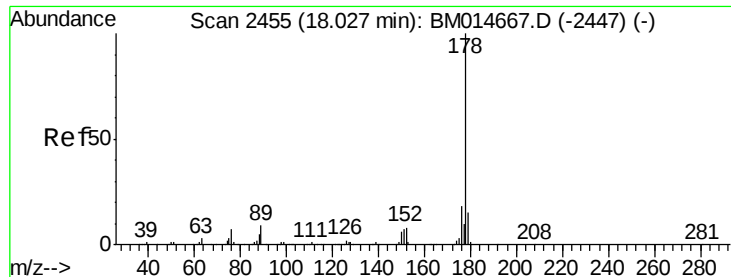
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	21.6	32.4
215	48.0	37.0	55.4



#68
Pentachlorophenol
Concen: 62.084 ng/ul
RT: 17.53 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BM014669.D
Acq: 04 Apr 2018 11:59

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.5	75.7
268	64.1	50.9	76.3





#71

Anthracene

Concen: 11.657 ng/ul

RT: 18.02 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampleId :

X2C40

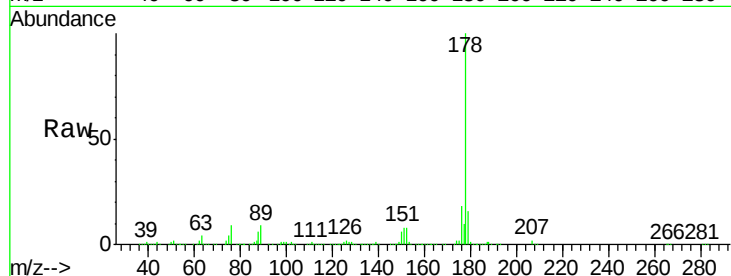
Tot Ion:178 Resp: 1225783

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

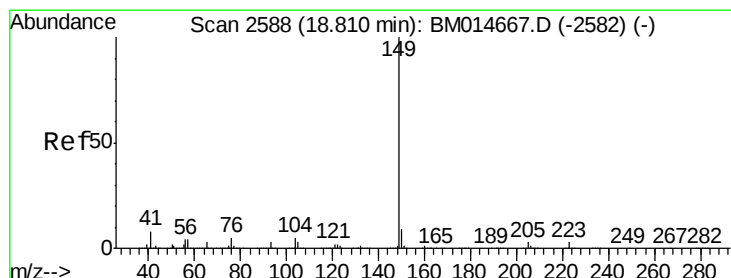
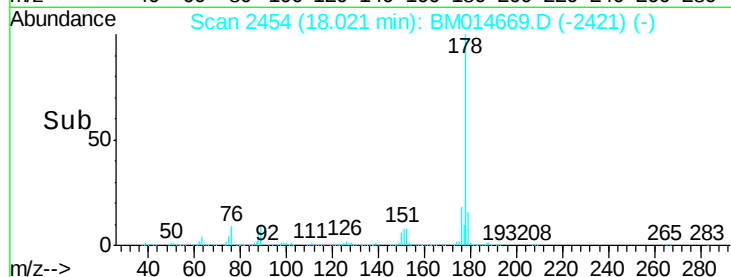
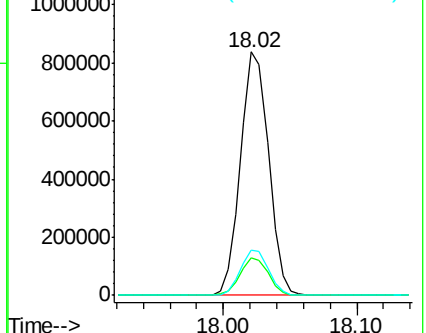
176 18.3 14.8 22.2



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



#75

Di-n-butylphthalate

Concen: 21.537 ng/ul

RT: 18.81 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

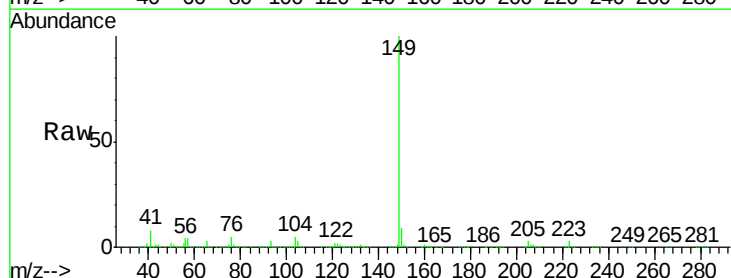
Tgt Ion:149 Resp: 2327462

Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

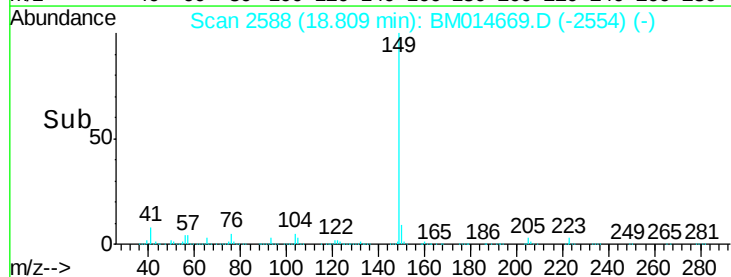
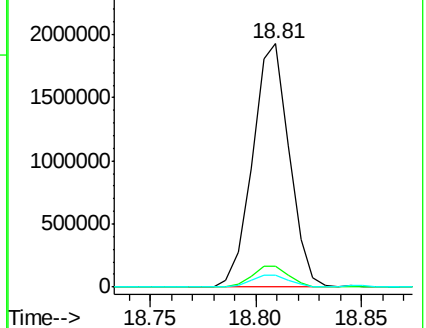
104 4.9 4.0 6.0

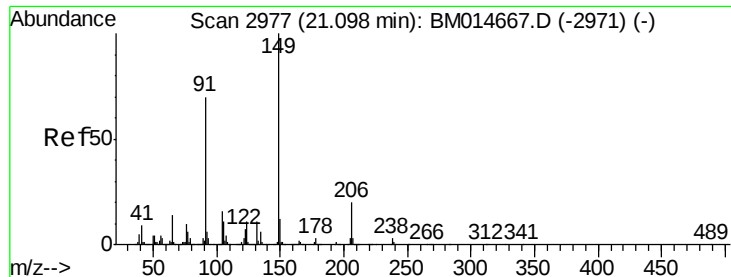


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

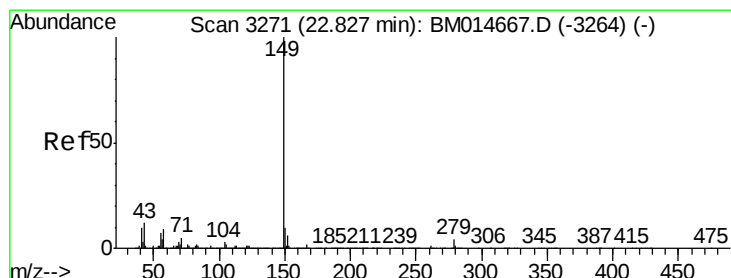
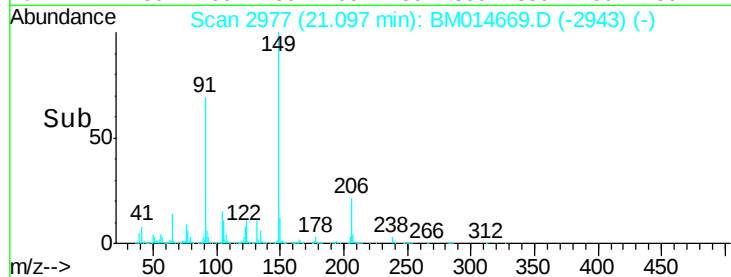
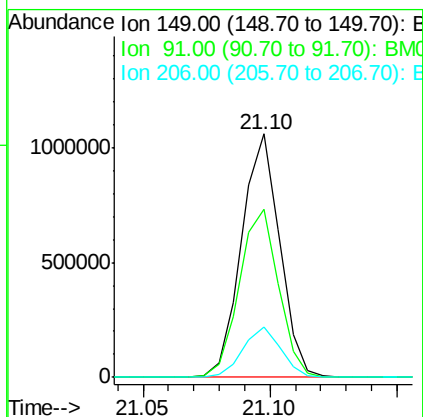
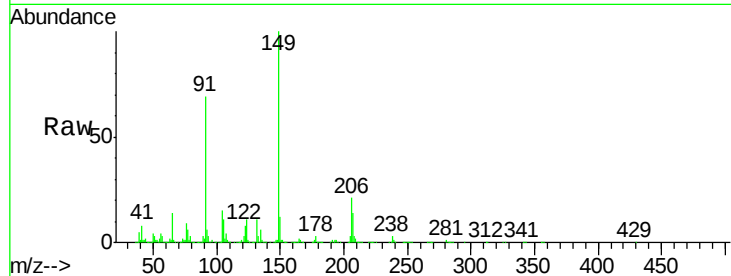




#80
Butylbenzylphthalate
Concen: 32.565 ng/ul
RT: 21.10 min Scan# 2977
Delta R.T. -0.00 min
Lab File: BM014669.D
Acq: 04 Apr 2018 11:59

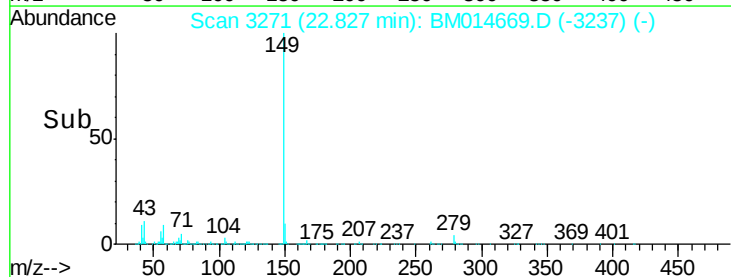
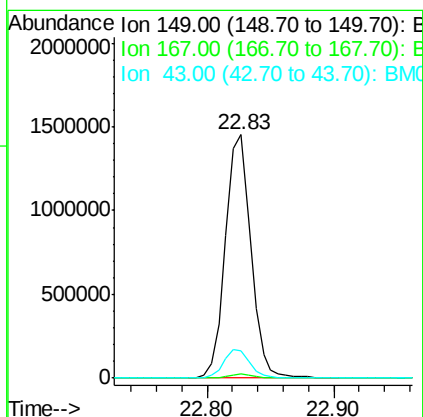
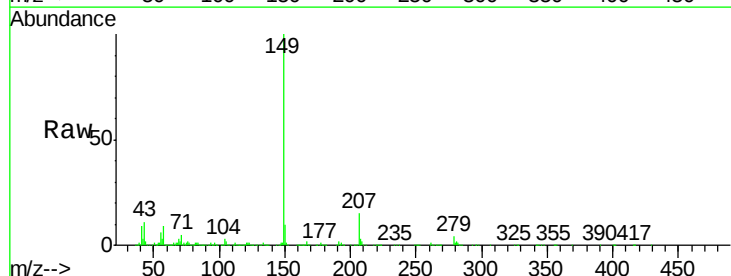
Instrument :
BNA_M
ClientSampled :
X2C40

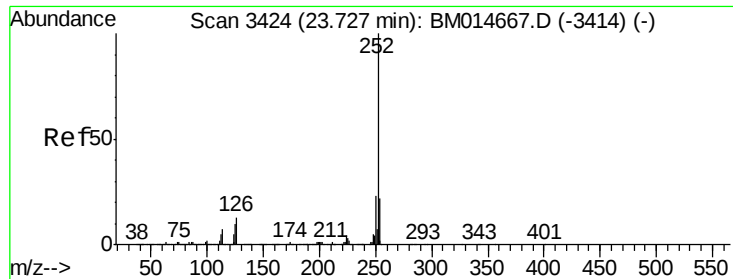
Tot Ion:149 Resp: 1112039
Ion Ratio Lower Upper
149 100
91 69.2 53.4 80.2
206 20.8 16.6 24.8



#86
Di-n-octyl phthalate
Concen: 24.532 ng/ul
RT: 22.83 min Scan# 3271
Delta R.T. -0.00 min
Lab File: BM014669.D
Acq: 04 Apr 2018 11:59

Tgt Ion:149 Resp: 2009235
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.5 5.6 8.4#





#87

Benzo(b)fluoranthene

Concen: 31.767 ng/ul

RT: 23.73 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampleId :

X2C40

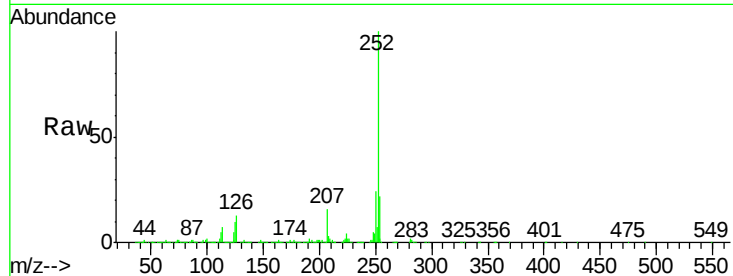
Tot Ion:252 Resp: 2661339

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

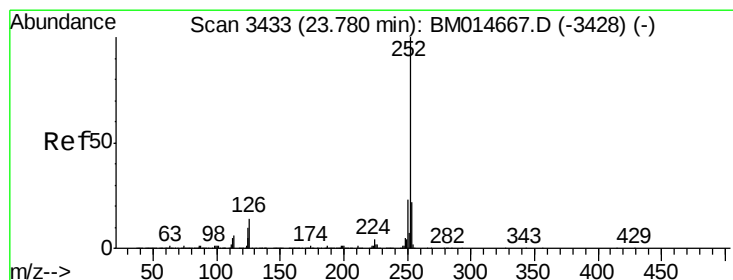
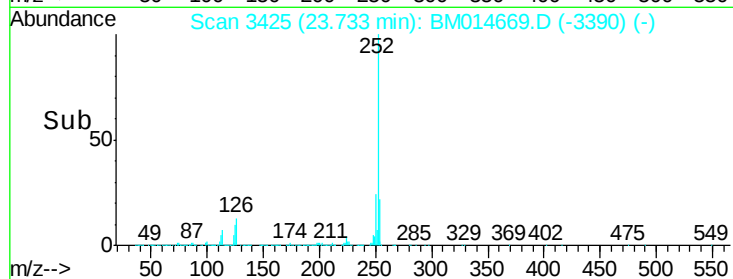
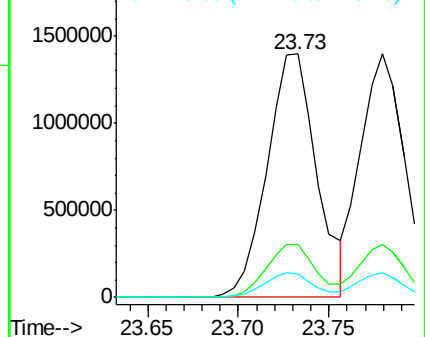
125 9.6 8.5 12.7



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(k)fluoranthene

Concen: 29.505 ng/ul

RT: 23.78 min Scan# 3433

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

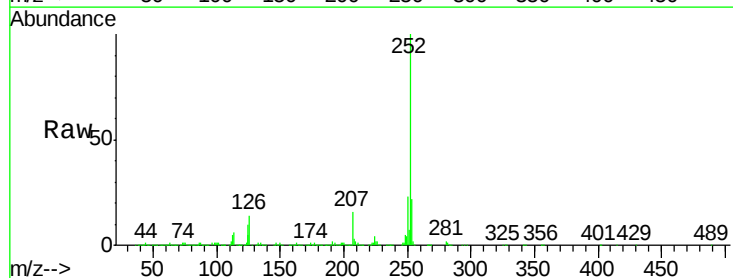
Tgt Ion:252 Resp: 2378824

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

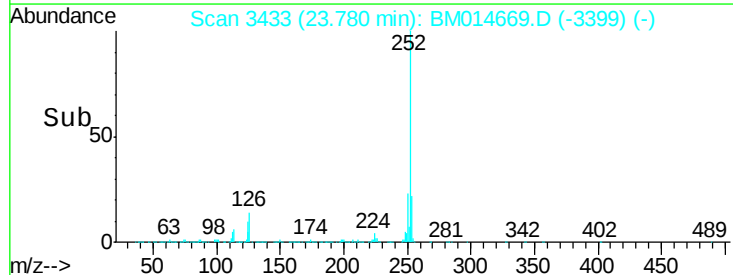
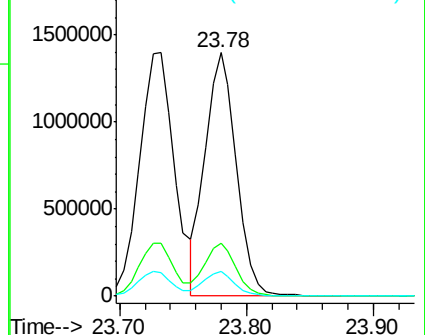
125 10.1 8.2 12.2

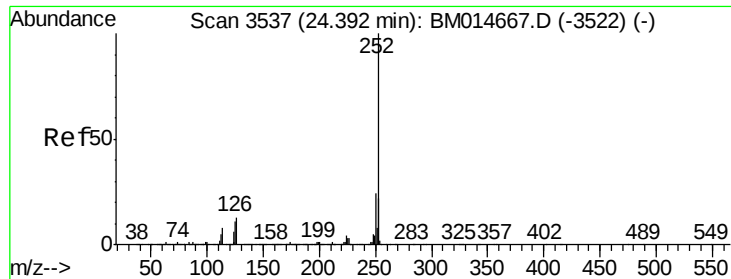


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 28.669 ng/ul

RT: 24.39 min Scan# 3537

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

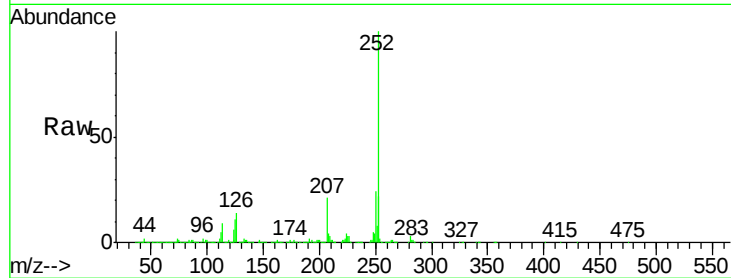
BNA_M

ClientSampled :

X2C40

Tot Ion:252 Resp: 2248025

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	11.0	9.0	13.6

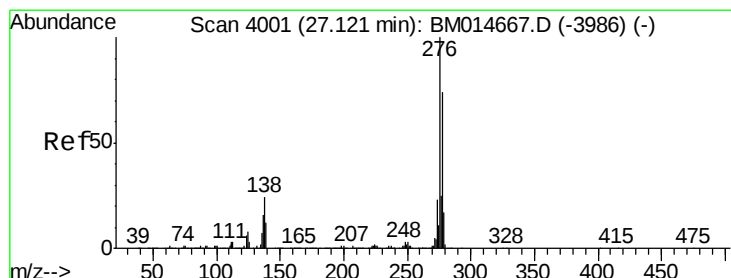
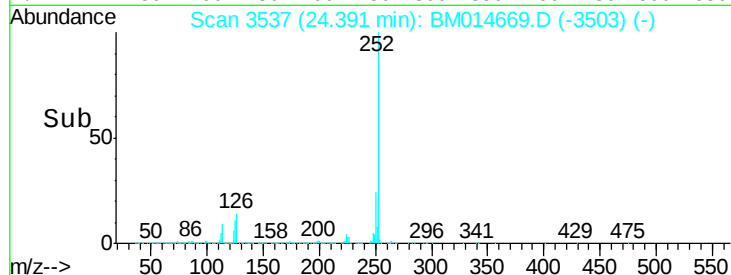
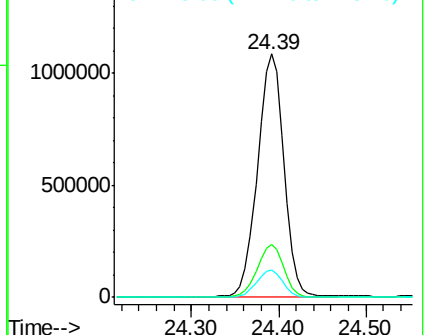


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 32.003 ng/ul

RT: 27.12 min Scan# 4001

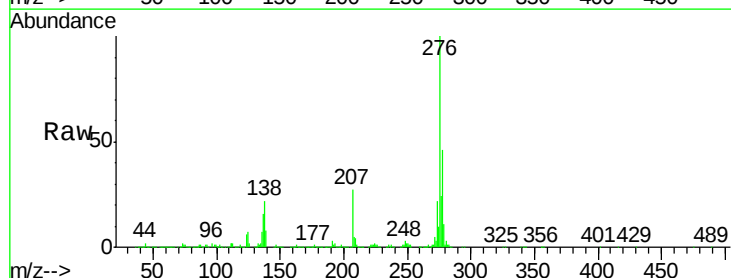
Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Tgt Ion:276 Resp: 2814342

Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.3	33.5#
277	24.4	20.2	30.2

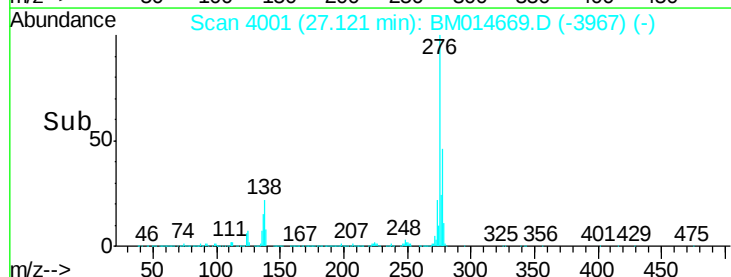
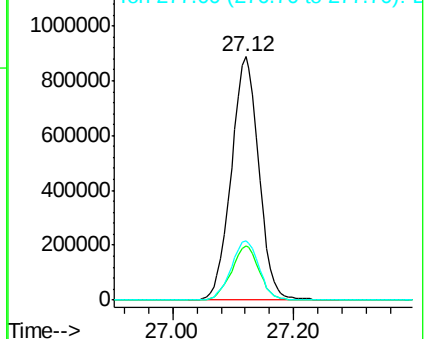


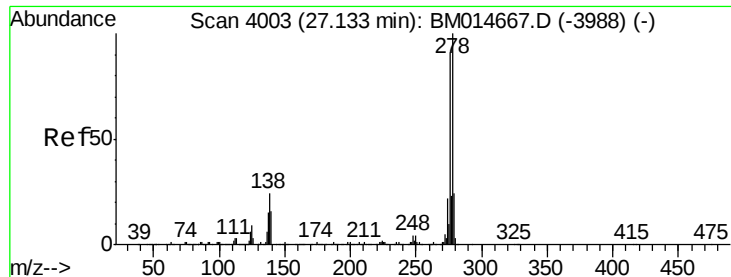
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 19.768 ng/ul

RT: 27.13 min Scan# 4003

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

Instrument :

BNA_M

ClientSampleId :

X2C40

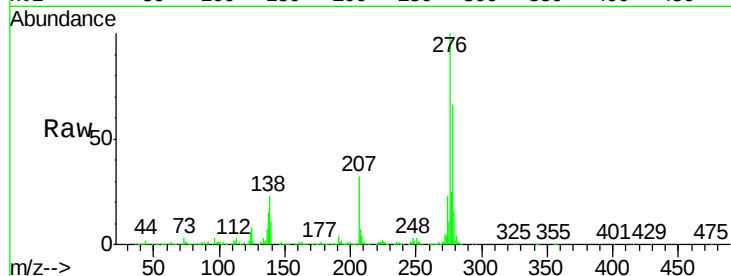
Tot Ion:278 Resp: 1457705

Ion Ratio Lower Upper

278 100

139 16.4 13.9 20.9

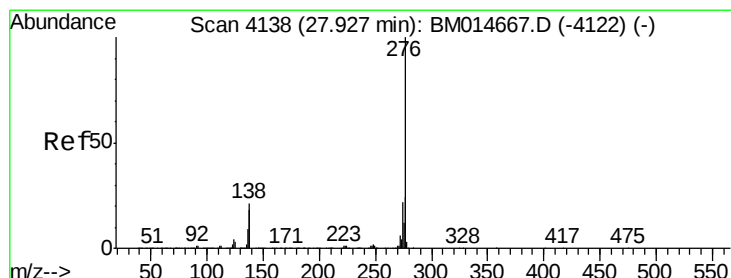
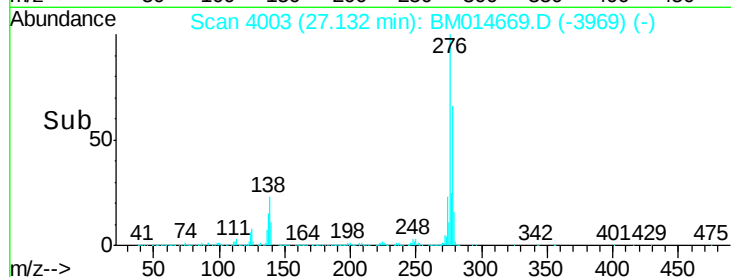
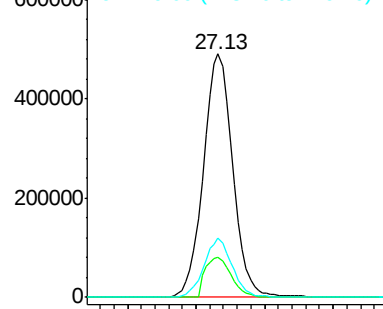
279 24.2 19.0 28.4



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



#93

Benzo(g,h,i)perylene

Concen: 32.361 ng/ul

RT: 27.93 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BM014669.D

Acq: 04 Apr 2018 11:59

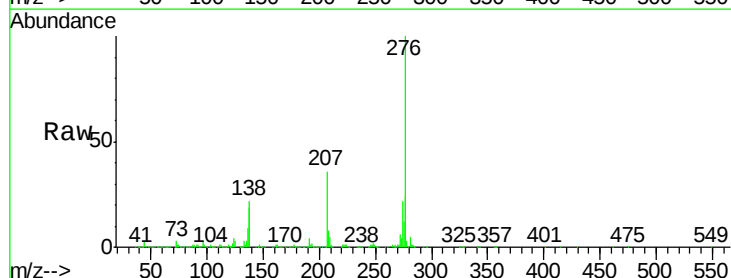
Tgt Ion:276 Resp: 2313636

Ion Ratio Lower Upper

276 100

138 21.7 18.9 28.3

277 24.1 19.2 28.8



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

