

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014368.D
 Acq On : 26 Feb 2018 22:12
 Operator : SJ/JU
 Sample : J1631-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:25:23 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	173575	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	742918	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	413256	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	772727	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	531088	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	514502	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	18601	4.59	ng/uL	0.00
5) Phenol-d5	6.73	99	383597	26.15	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	248360	27.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	328456	29.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	301338	23.48	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	176319	32.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	192246	33.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	324624	27.58	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	232808	20.08	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	1119387	32.80	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1401555	33.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	75511	16.03	ng/ul	0.02
57) Fluorene-d10	15.19	176	910493	29.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	33656	7.26	ng/ul	0.01
70) Anthracene-d10	17.04	188	1242826	33.34	ng/ul	0.00
76) Pyrene-d10	19.35	212	1048816	38.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	799470	31.93	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	7159	1.197	ng/ul#	72
6) Phenol	6.76	94	16660	1.082	ng/ul#	85
14) Acetophenone	8.36	105	29313	1.324	ng/ul	96
28) Naphthalene	10.35	128	105973	2.777	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	46683	1.607	ng/ul	96
44) Dimethylphthalate	13.65	163	218545	6.494	ng/ul	99
47) Acenaphthylene	13.90	152	83957	2.111	ng/ul	99
49) Acenaphthene	14.24	153	80508	2.874	ng/ul	91
53) Dibenzofuran	14.59	168	67619	1.610	ng/ul	97
58) Fluorene	15.24	166	89873	2.479	ng/ul#	91
69) Phenanthrene	16.99	178	1485605	33.368	ng/ul	99
71) Anthracene	17.07	178	382540	8.544	ng/ul	99
72) Carbazole	17.36	167	134317	3.568	ng/ul	95
73) Di-n-butylphthalate	17.92	149	69914	1.439	ng/ul#	94
74) Fluoranthene	19.02	202	2329497	43.795	ng/ul#	92
77) Pyrene	19.39	202	2130832	60.373	ng/ul#	93
78) Butylbenzylphthalate	20.30	149	84074	5.761	ng/ul#	76
80) Benzo(a)anthracene	21.14	228	1008786	30.435	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.08	149	5935613	283.995	ng/ul#	96
82) Chrysene	21.14	228	1008786	32.625	ng/ul	96
85) Benzo(b)fluoranthene	22.69	252	1311903	38.081	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	331805	10.130	ng/ul#	94
88) Benzo(a)pyrene	23.24	252	914013	29.691	ng/ul#	98

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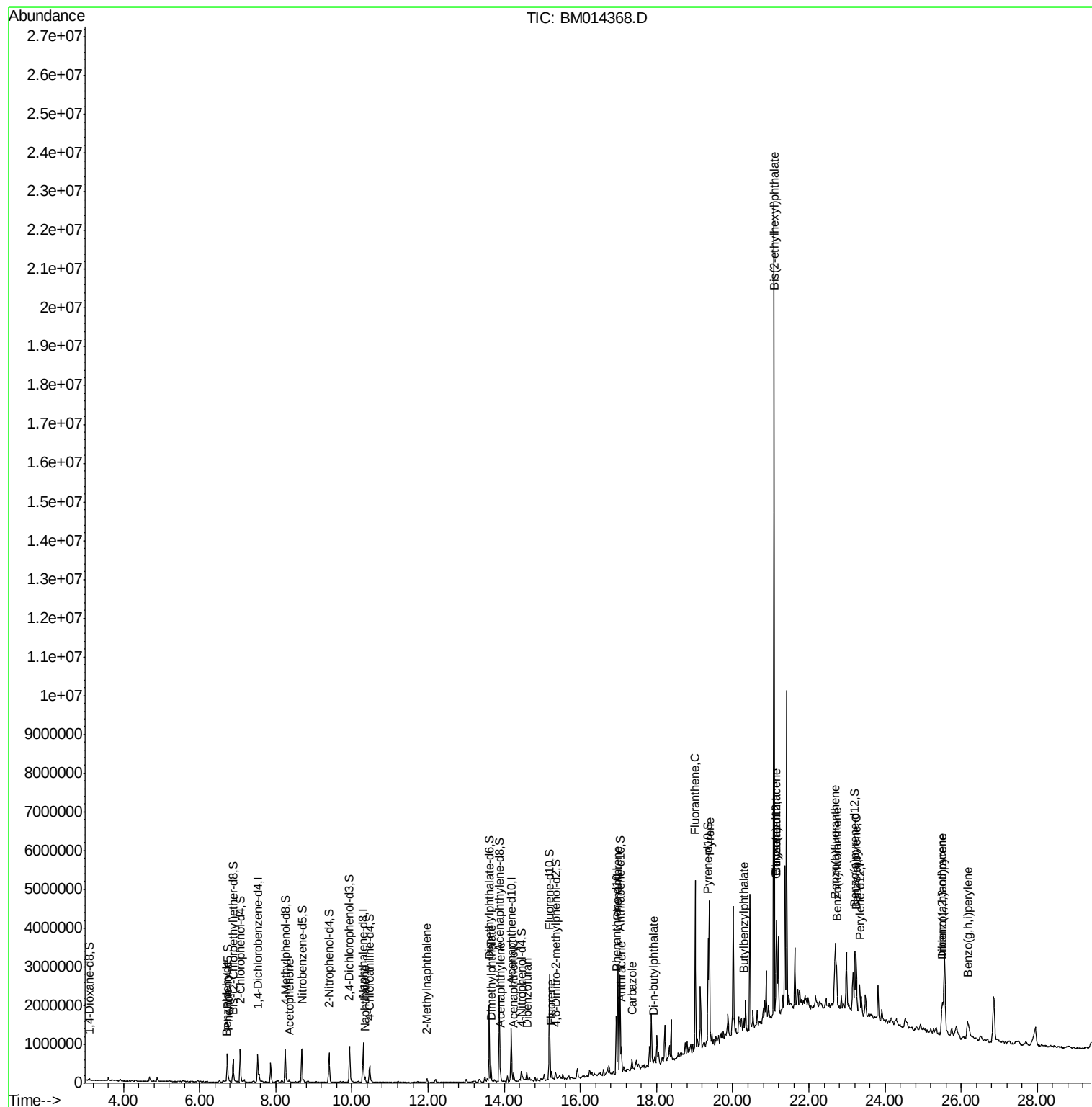
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.50	276	624920	20.919	ng/ul	99
90) Dibenzo(a,h)anthracene	25.49	278	139745	5.630	ng/ul#	74
91) Benzo(g,h,i)perylene	26.17	276	484582	20.024	ng/ul	98

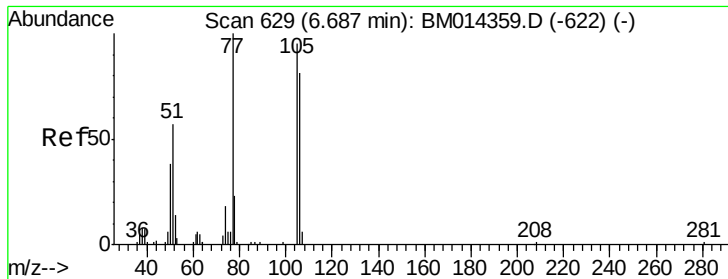
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampled :

Quant Time: Feb 27 03:25:23 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.197 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

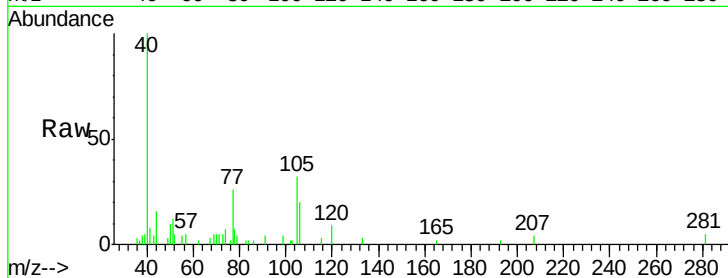
Tot Ion: 77 Resp: 7159

Ion Ratio Lower Upper

77 100

105 125.1 66.1 99.1#

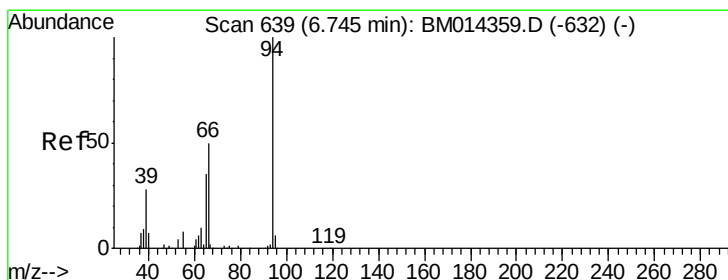
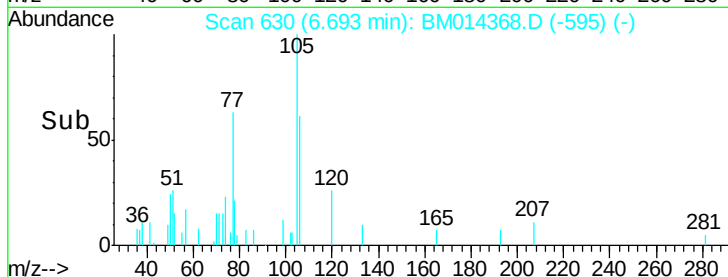
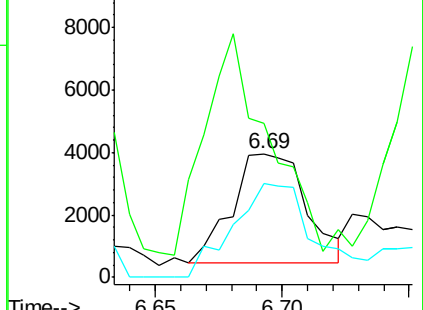
106 76.3 67.8 101.6



Abundance Ion 77.00 (76.70 to 77.70): BM014359.D (-622) (-)

Ion 105.00 (104.70 to 105.70): BM014359.D (-622) (-)

Ion 106.00 (105.70 to 106.70): BM014359.D (-622) (-)



#6

Phenol

Concen: 1.082 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

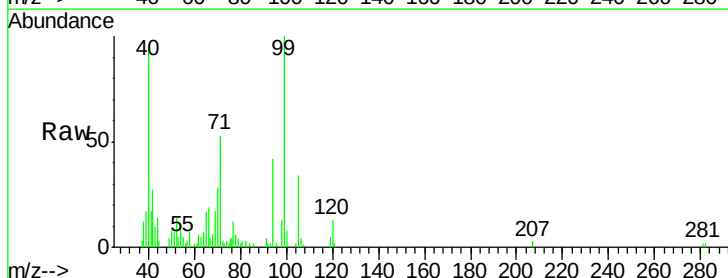
Tgt Ion: 94 Resp: 16660

Ion Ratio Lower Upper

94 100

65 41.3 28.2 42.4

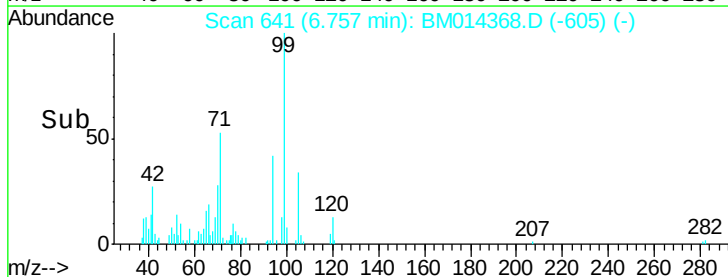
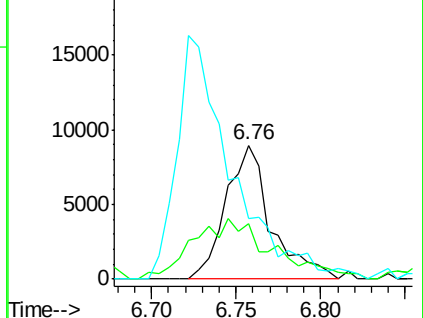
66 45.4 47.2 70.8#

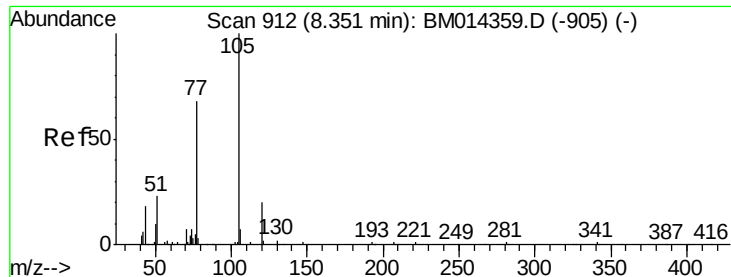


Abundance Ion 94.00 (93.70 to 94.70): BM014359.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM014359.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM014359.D (-632) (-)





#14

Acetophenone

Concen: 1.324 ng/ul

RT: 8.36 min Scan# 913

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

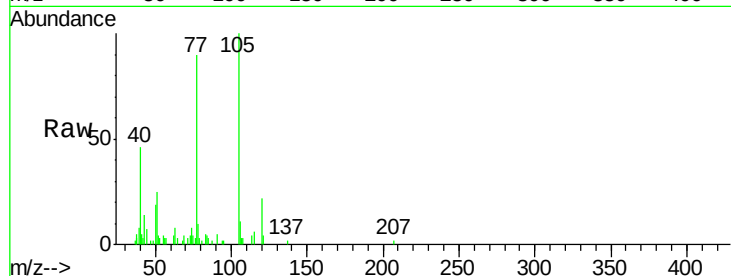
Tot Ion:105 Resp: 29313

Ion Ratio Lower Upper

105 100

77 89.7 74.2 111.4

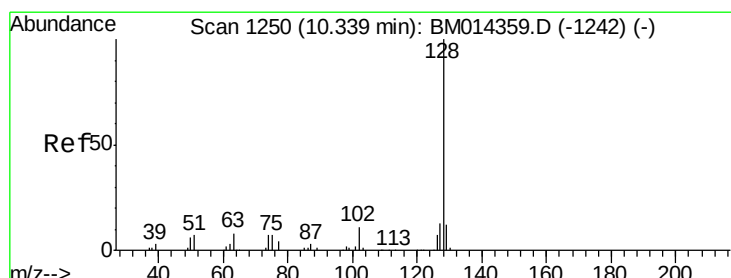
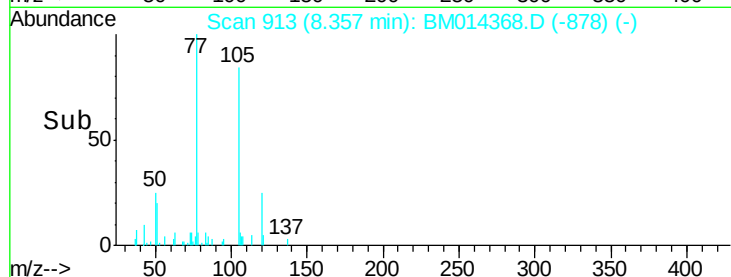
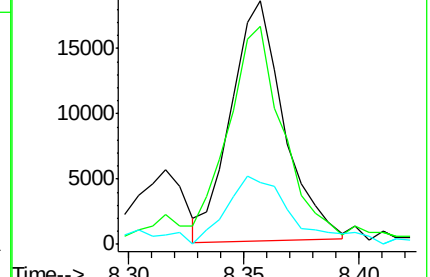
51 25.3 23.4 35.2



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



#28

Naphthalene

Concen: 2.777 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

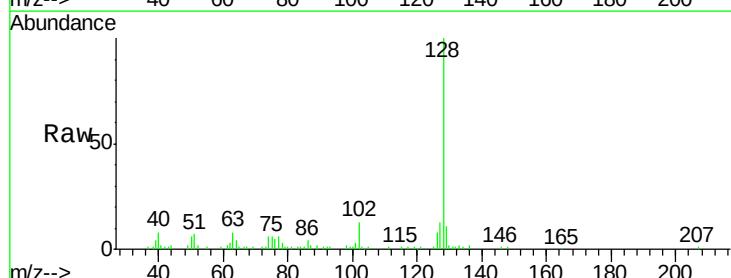
Tgt Ion:128 Resp: 105973

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

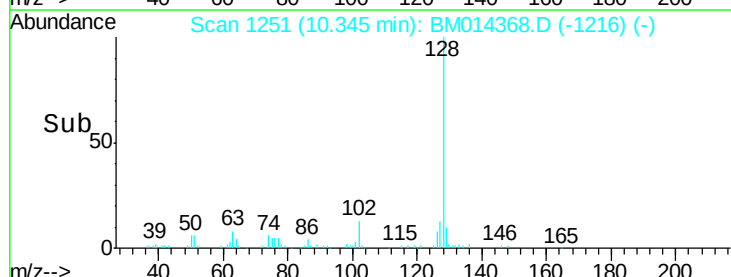
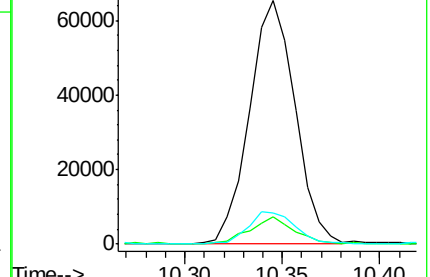
127 12.7 10.6 16.0

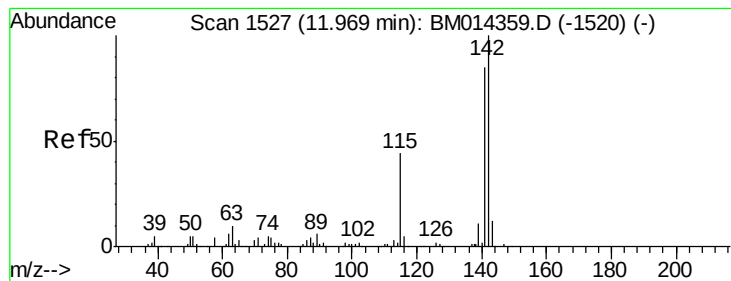


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.607 ng/ul

RT: 11.97 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

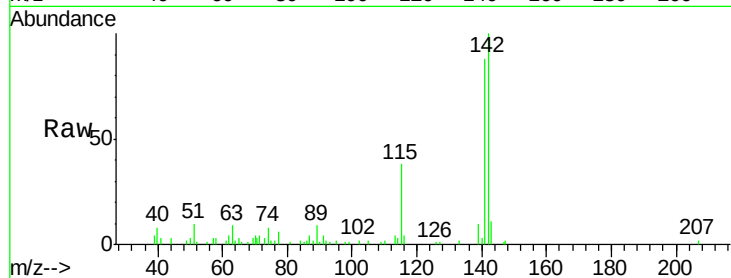
ClientSampleId :

Tot Ion:142 Resp: 46683

Ion Ratio Lower Upper

142 100

141 88.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.97

30000

25000

20000

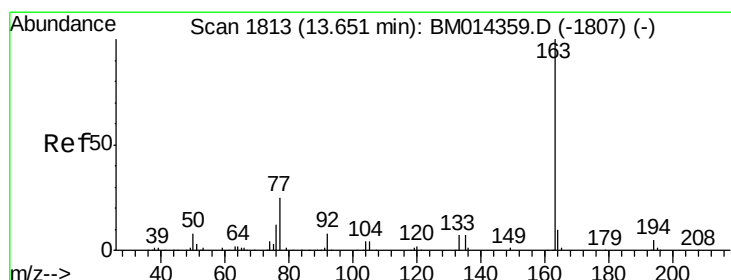
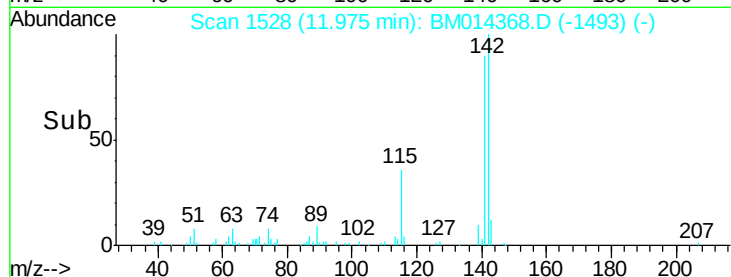
15000

10000

5000

0

Time--> 11.90 11.95 12.00 12.05



#44

Dimethylphthalate

Concen: 6.494 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

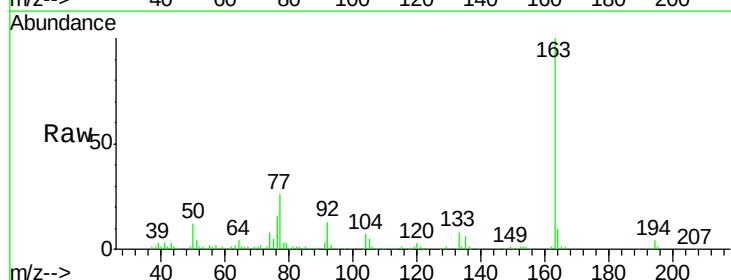
Tgt Ion:163 Resp: 218545

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 9.9 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

13.65

200000

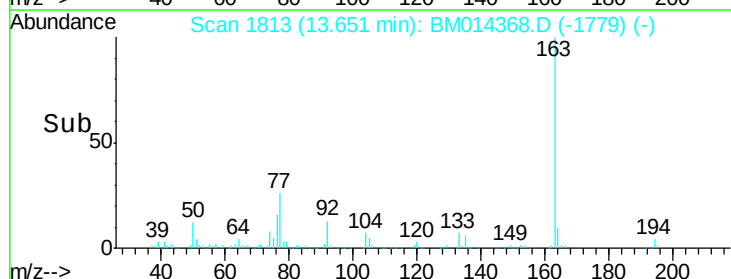
150000

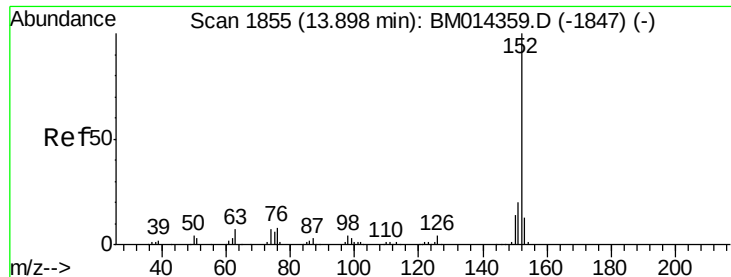
100000

50000

0

Time--> 13.60 13.65 13.70 13.75





#47

Acenaphthylene

Concen: 2.111 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

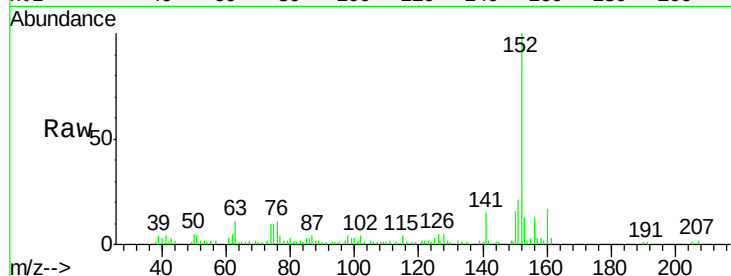
Tot Ion:152 Resp: 83957

Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

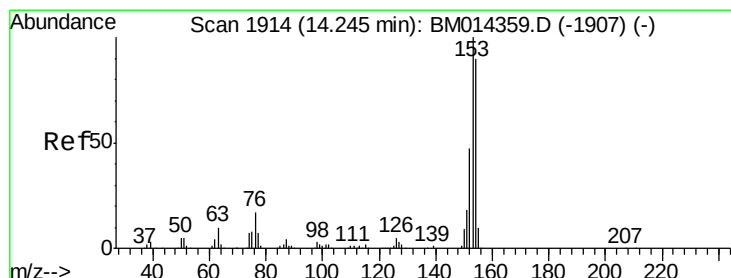
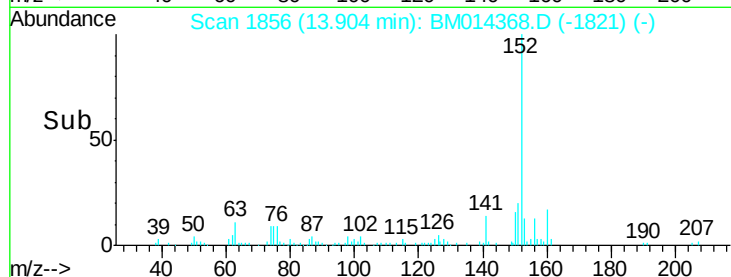
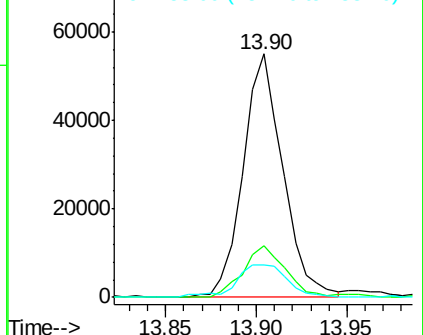
153 13.3 10.2 15.4



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: 2.874 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

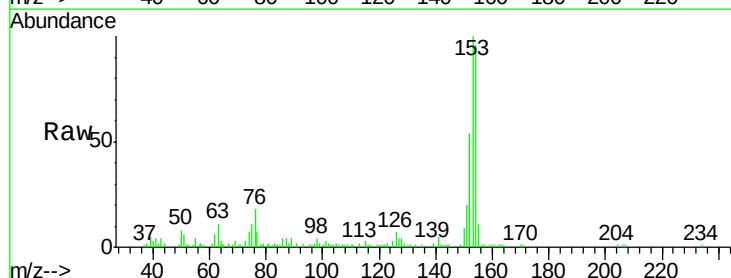
Tgt Ion:153 Resp: 80508

Ion Ratio Lower Upper

153 100

152 53.6 37.6 56.4

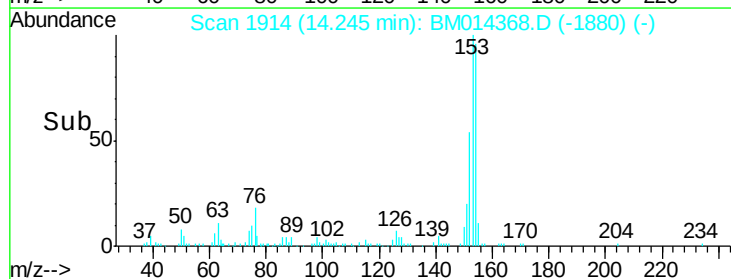
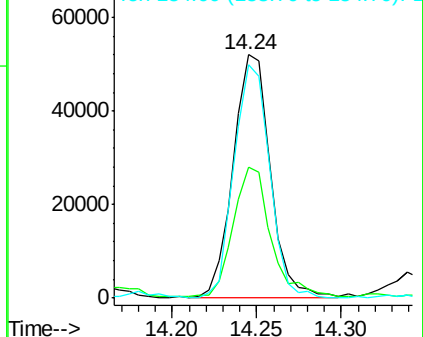
154 95.8 70.4 105.6

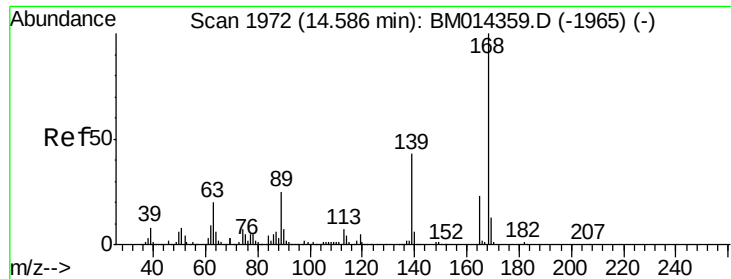


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 1.610 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

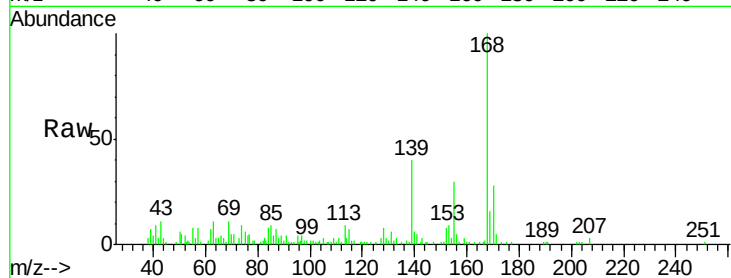
ClientSampleId :

Tot Ion:168 Resp: 67619

Ion Ratio Lower Upper

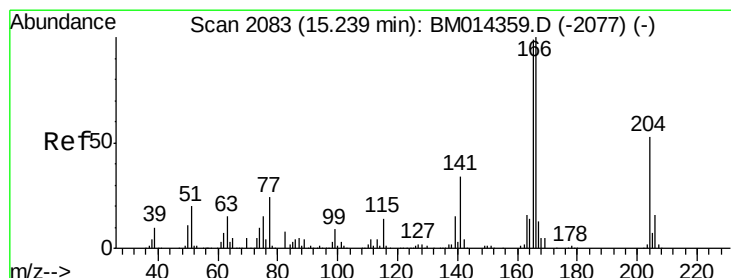
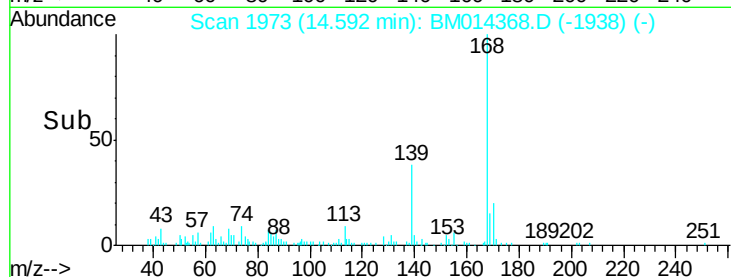
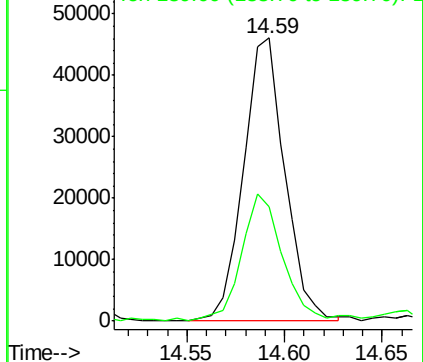
168 100

139 40.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.479 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

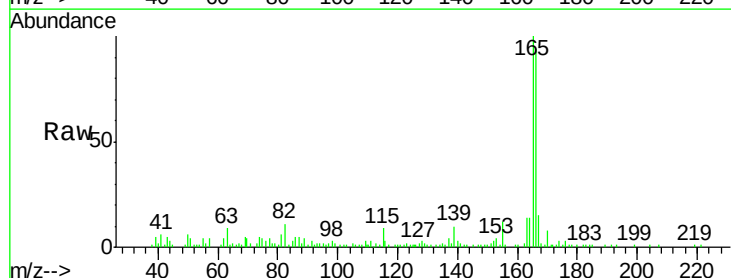
Tgt Ion:166 Resp: 89873

Ion Ratio Lower Upper

166 100

165 106.9 77.9 116.9

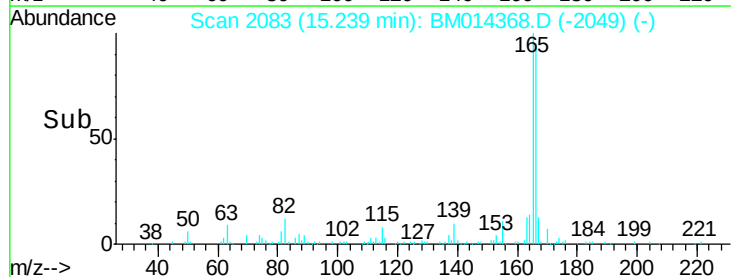
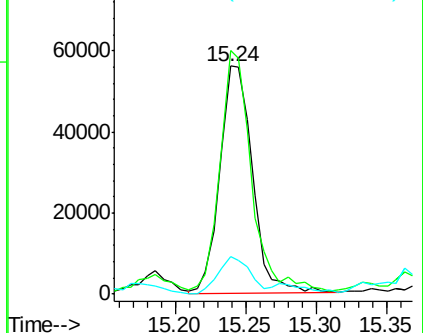
167 16.4 10.6 16.0#

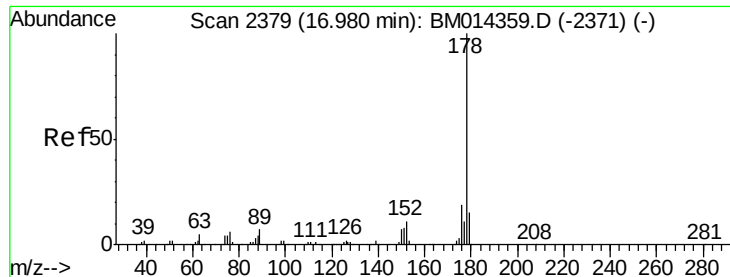


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 33.368 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

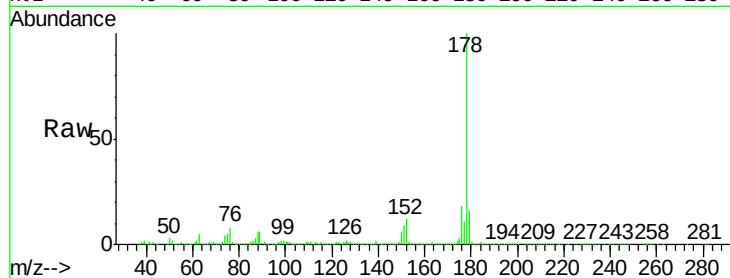
Tot Ion:178 Resp: 1485605

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

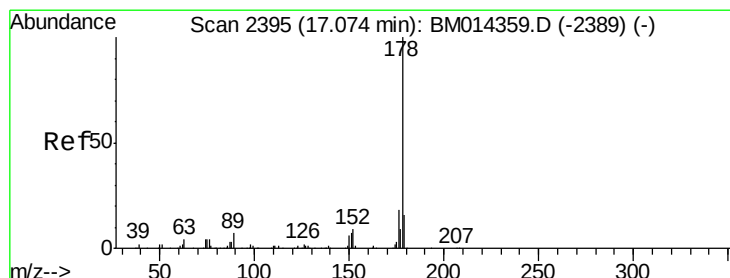
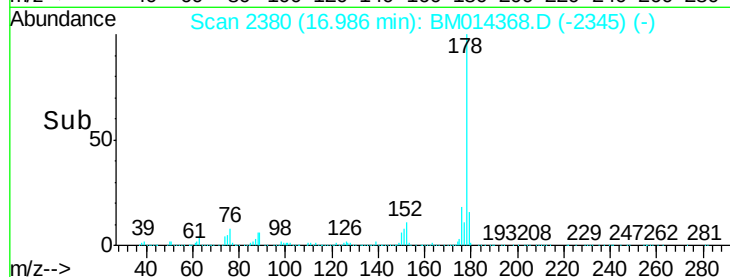
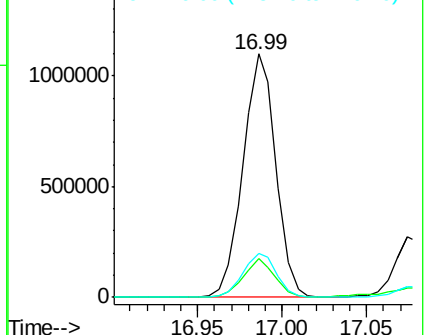
176 18.0 14.9 22.3



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: 8.544 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

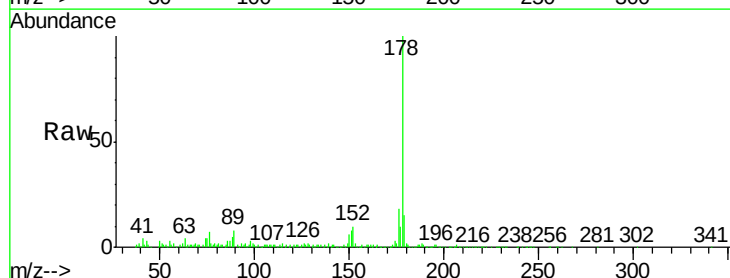
Tgt Ion:178 Resp: 382540

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

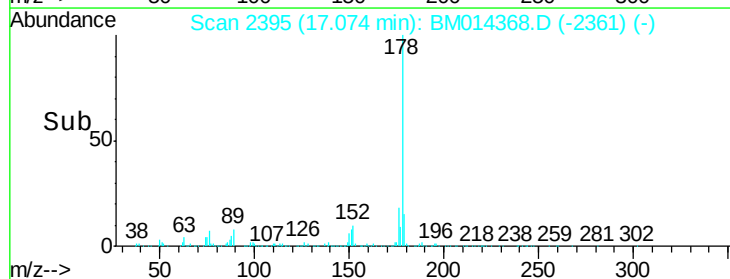
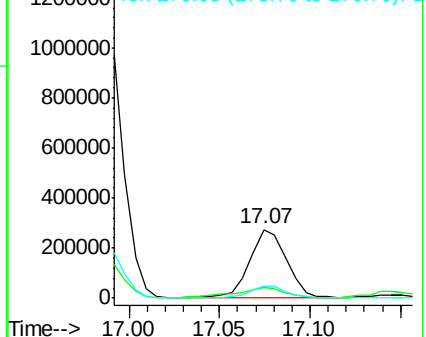
176 18.1 14.6 21.8

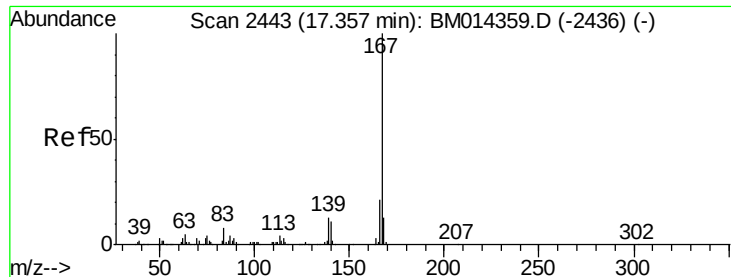


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

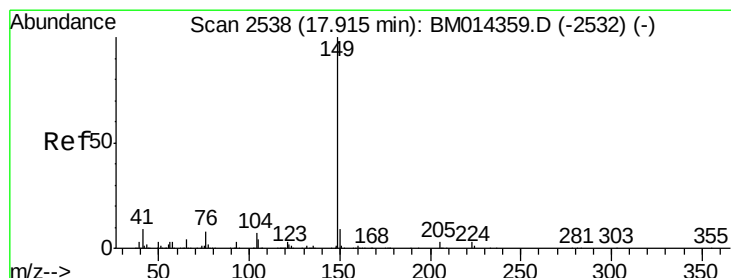
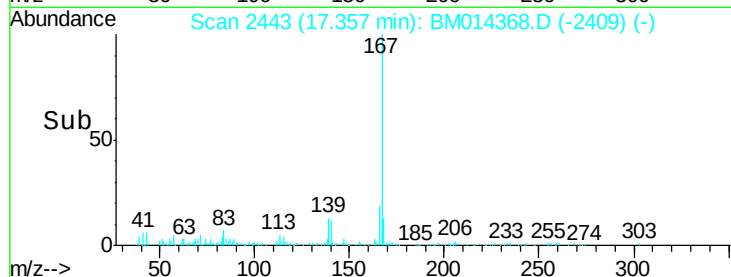
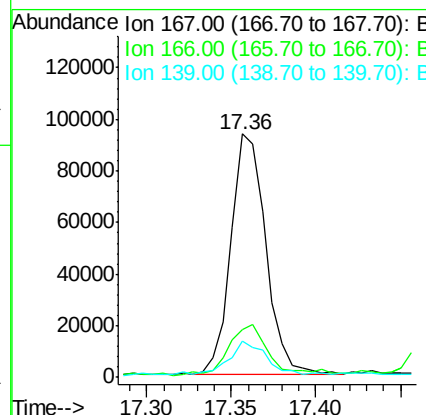
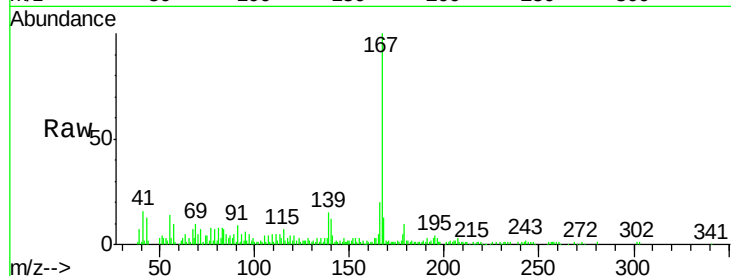




#72
 Carbazole
 Concen: 3.568 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014368.D
 Acq: 26 Feb 2018 22:12

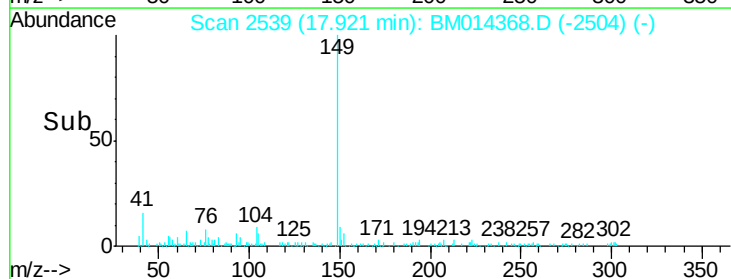
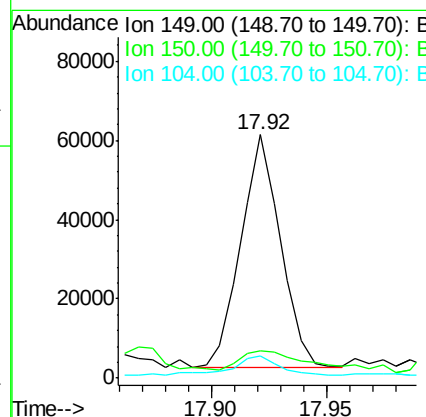
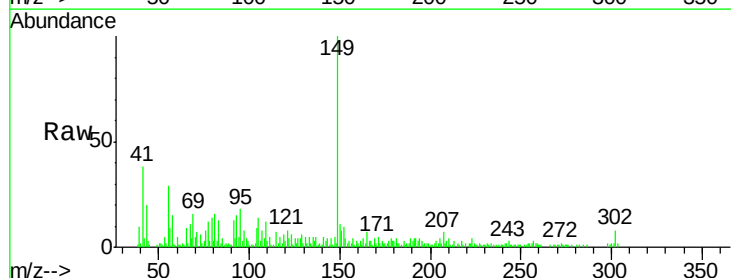
Instrument :
 BNA_M
 ClientSampleId :

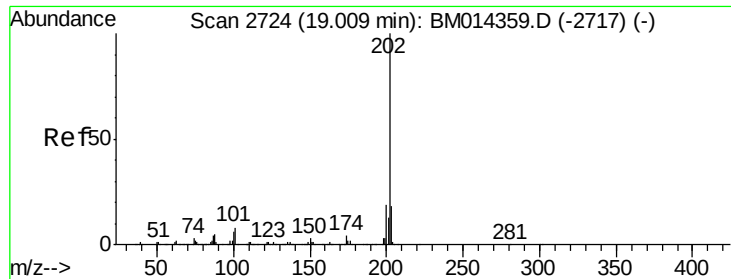
Tot Ion	Ratio	Lower	Upper
167	100		
166	19.6	17.1	25.7
139	15.0	10.0	15.0



#73
 Di-n-butylphthalate
 Concen: 1.439 ng/ul
 RT: 17.92 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BM014368.D
 Acq: 26 Feb 2018 22:12

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.4	7.1	10.7#
104	9.1	5.6	8.4#

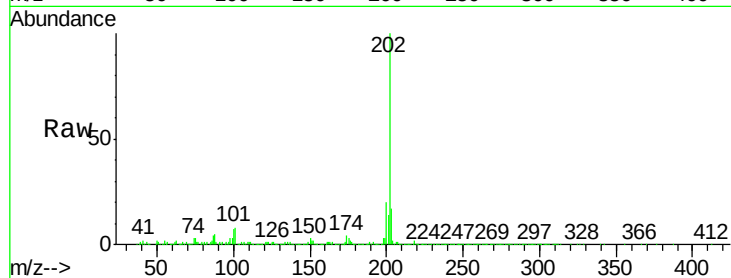




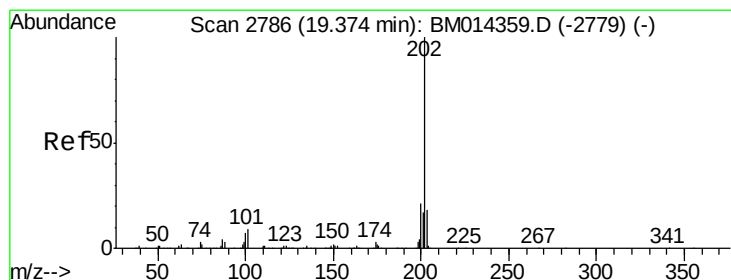
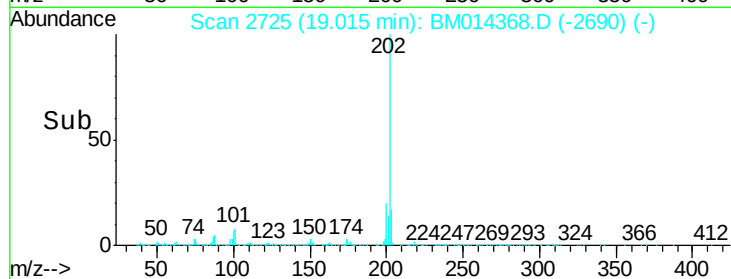
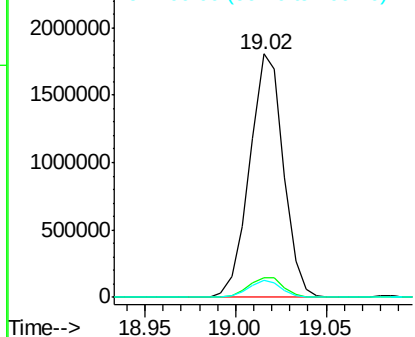
#74
Fluoranthene
Concen: 43.795 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014368.D
Acq: 26 Feb 2018 22:12

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2329497
Ion Ratio Lower Upper
202 100
101 8.2 4.6 7.0#
100 7.1 3.4 5.2#

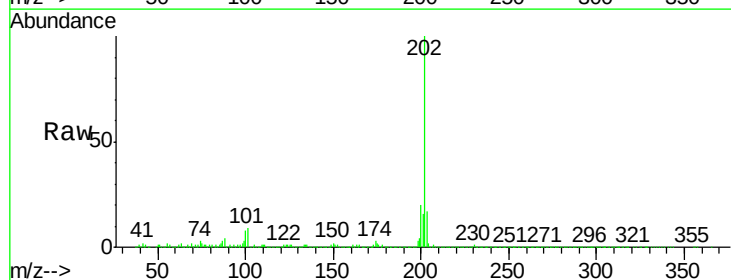


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

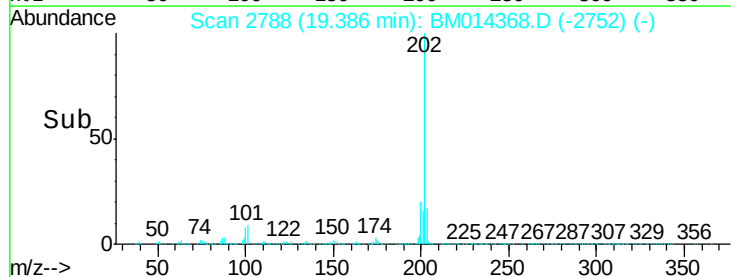
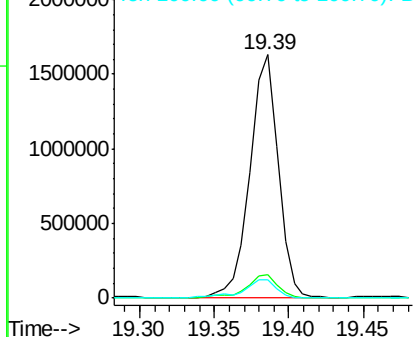


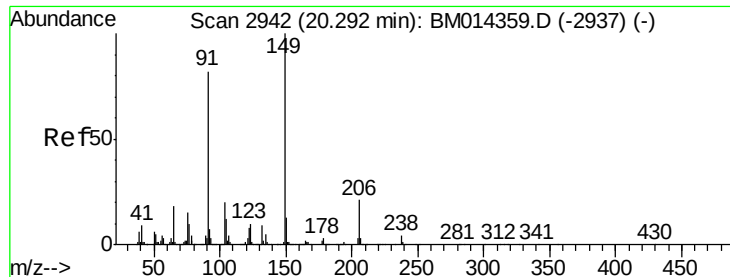
#77
Pyrene
Concen: 60.373 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014368.D
Acq: 26 Feb 2018 22:12

Tgt Ion:202 Resp: 2130832
Ion Ratio Lower Upper
202 100
101 9.5 5.1 7.7#
100 7.7 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

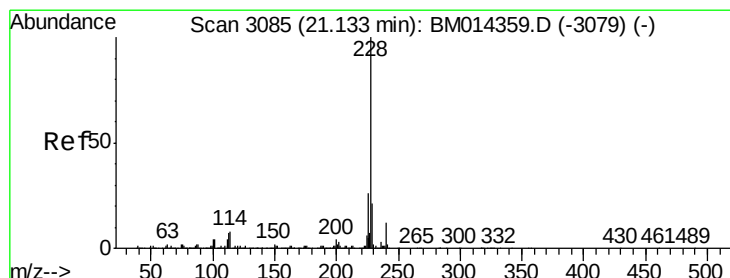
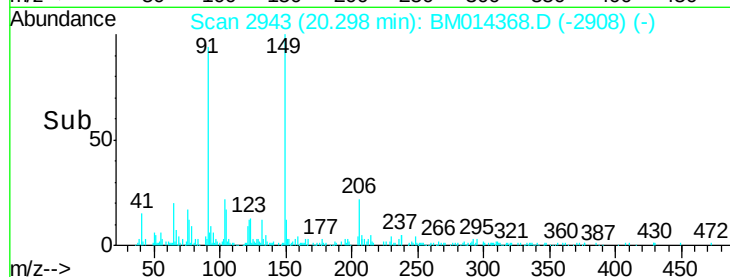
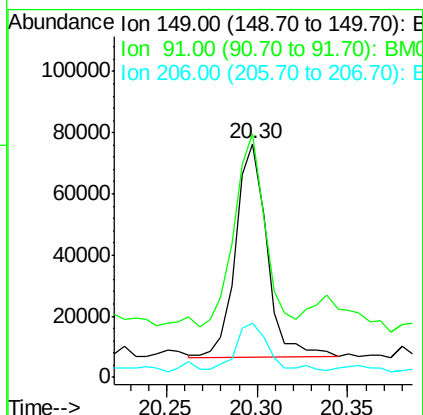
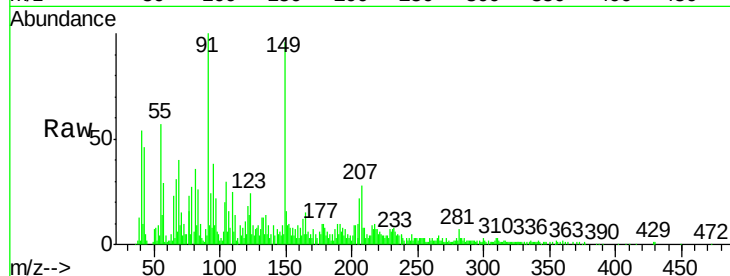




#78
Butylbenzylphthalate
Concen: 5.761 ng/ul
RT: 20.30 min Scan# 2943
Delta R.T. 0.01 min
Lab File: BM014368.D
Acq: 26 Feb 2018 22:12

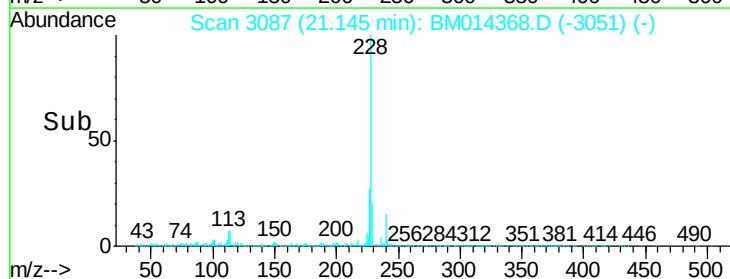
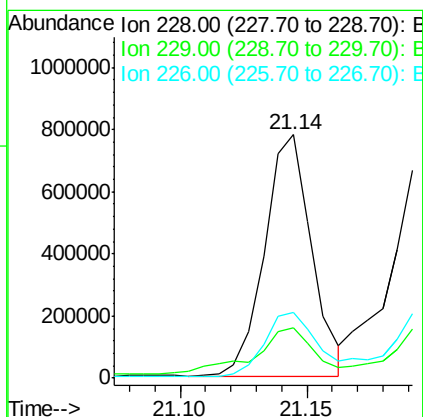
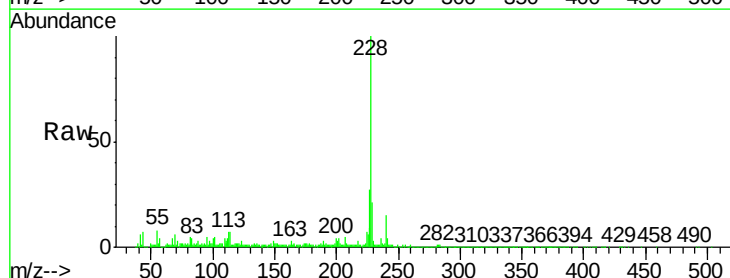
Instrument :
BNA_M
ClientSampled :

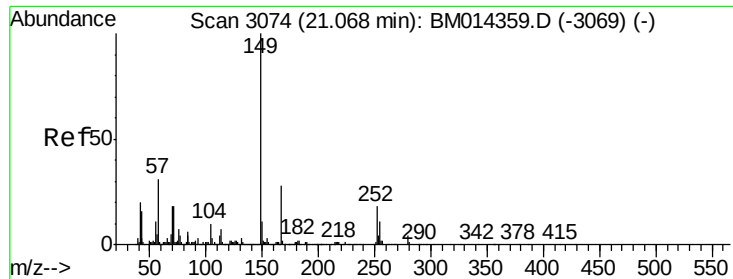
Tot Ion:149 Resp: 84074
Ion Ratio Lower Upper
149 100
91 104.2 62.7 94.1#
206 23.2 20.8 31.2



#80
Benzo(a)anthracene
Concen: 30.435 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014368.D
Acq: 26 Feb 2018 22:12

Tgt Ion:228 Resp: 1008786
Ion Ratio Lower Upper
228 100
229 20.9 15.4 23.0
226 27.0 21.4 32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 283.995 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

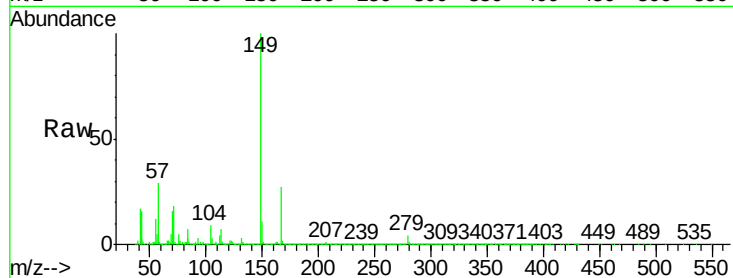
Tot Ion:149 Resp: 5935613

Ion Ratio Lower Upper

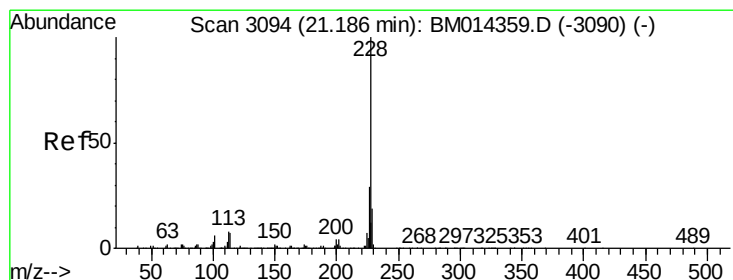
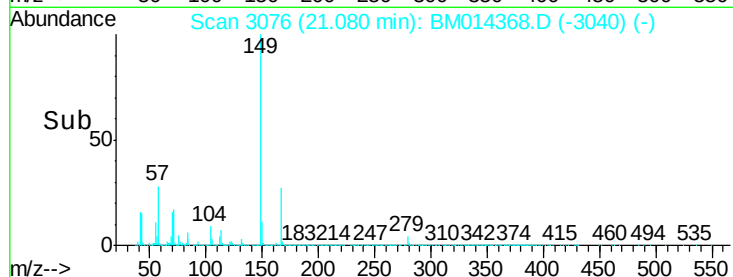
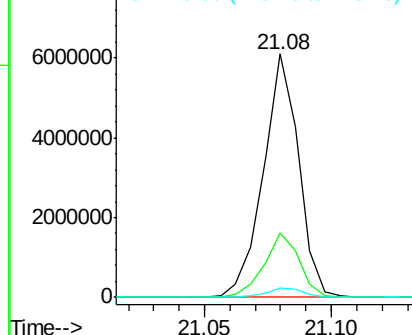
149 100

167 26.6 22.8 34.2

279 4.0 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: 32.625 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. -0.04 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

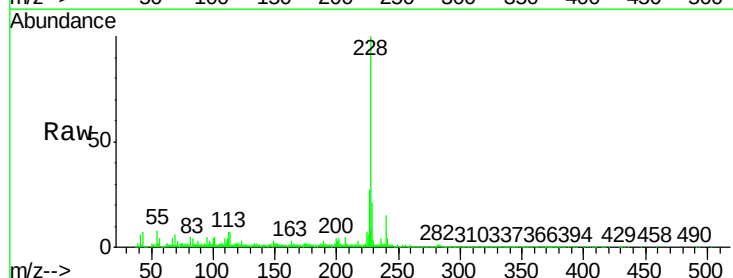
Tgt Ion:228 Resp: 1008786

Ion Ratio Lower Upper

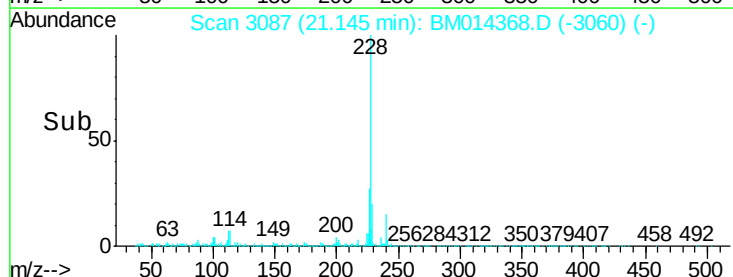
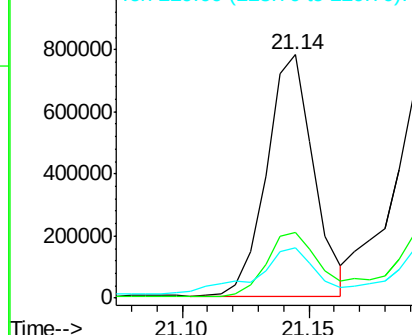
228 100

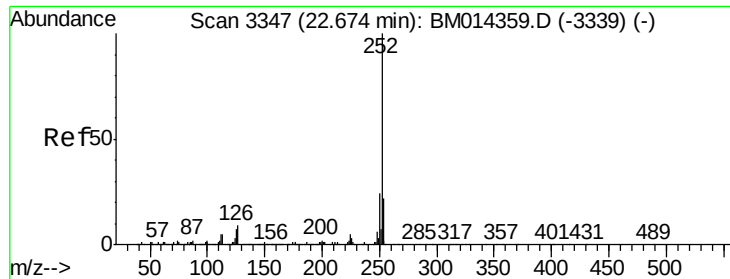
226 27.0 23.4 35.2

229 20.9 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





#85

Benzo(b)fluoranthene

Concen: 38.081 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

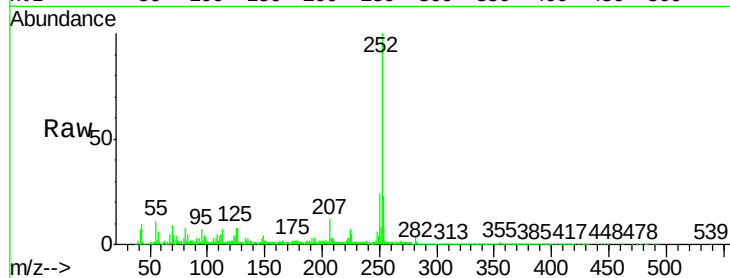
Tot Ion:252 Resp: 1311903

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

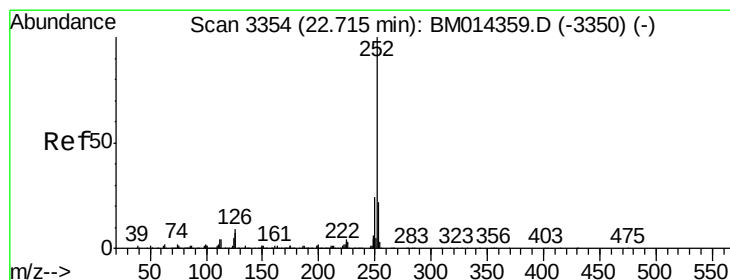
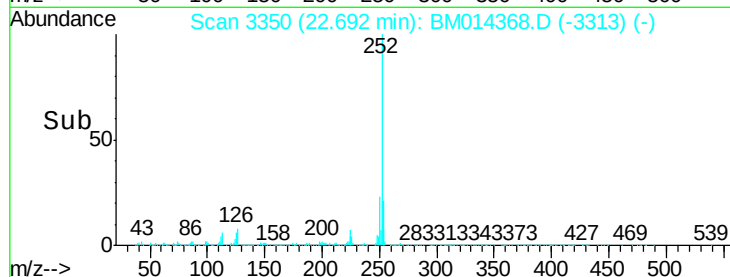
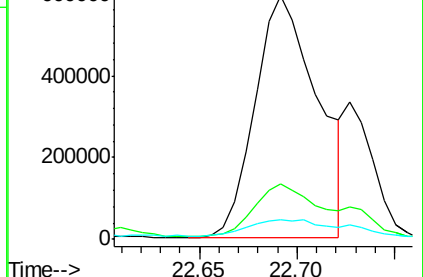
125 8.0 3.6 5.4#



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: 10.130 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

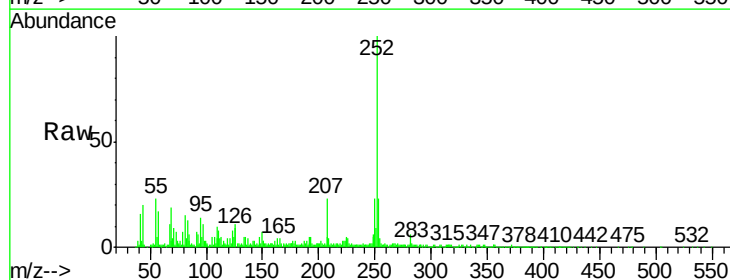
Tgt Ion:252 Resp: 331805

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

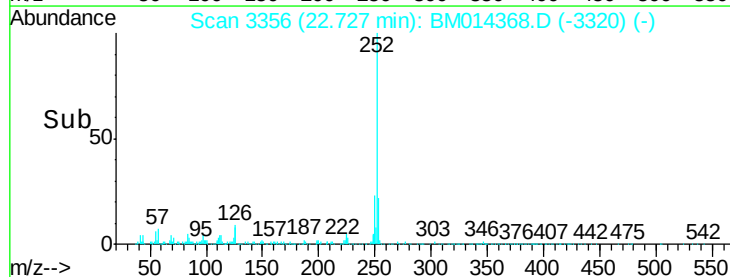
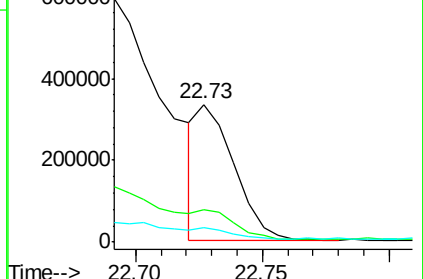
125 10.6 3.4 5.2#

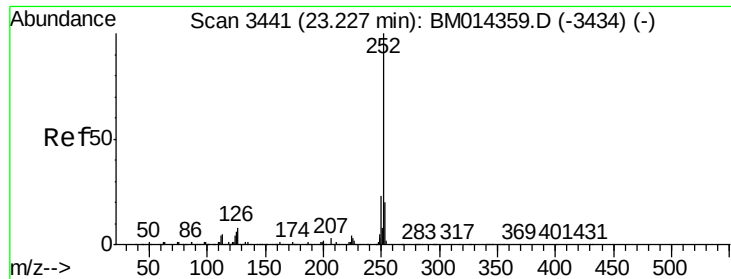


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 29.691 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

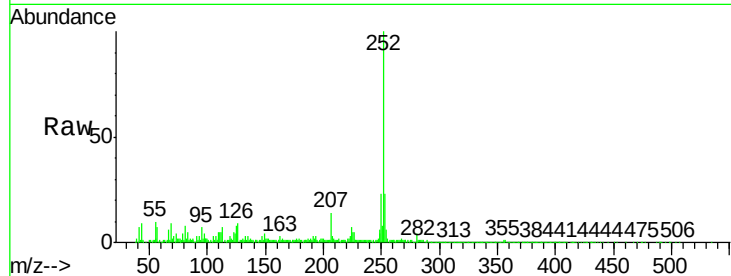
Tot Ion:252 Resp: 914013

Ion Ratio Lower Upper

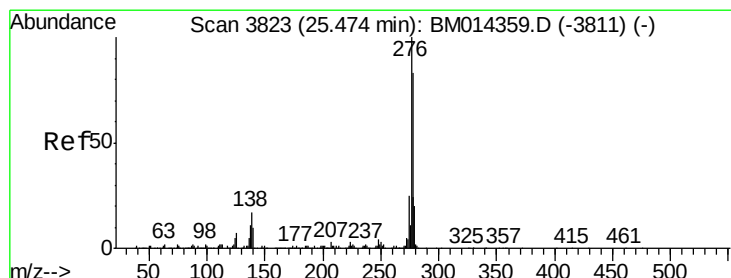
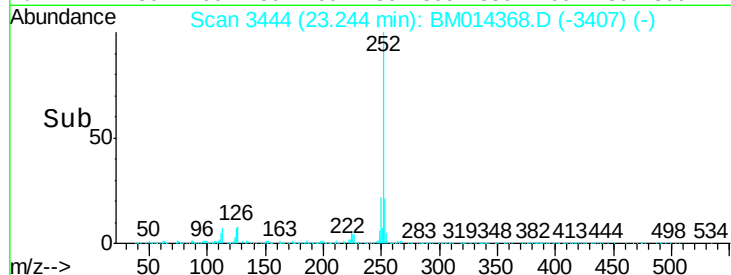
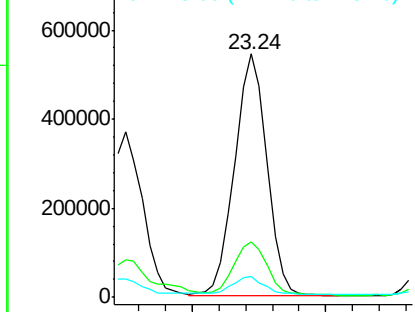
252 100

253 22.8 18.2 27.2

125 8.5 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: 20.919 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.03 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

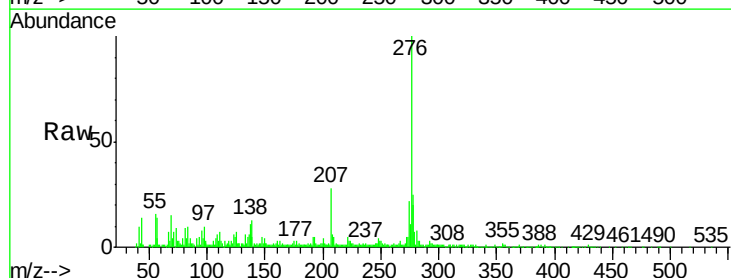
Tgt Ion:276 Resp: 624920

Ion Ratio Lower Upper

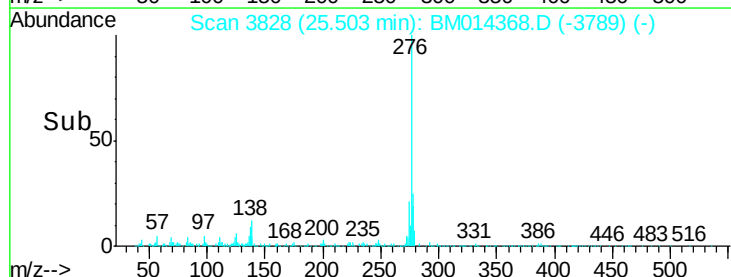
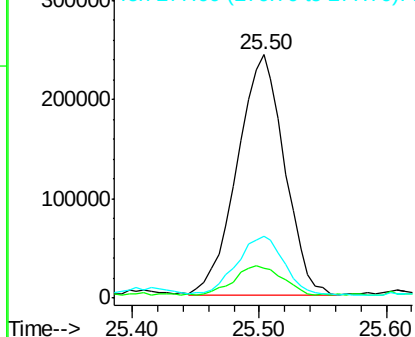
276 100

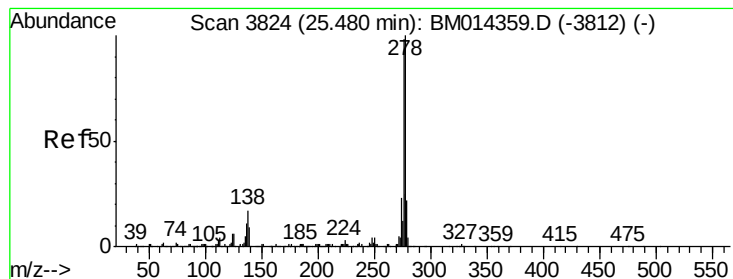
138 12.5 9.3 13.9

277 25.4 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: 5.630 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. 0.01 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Instrument :

BNA_M

ClientSampleId :

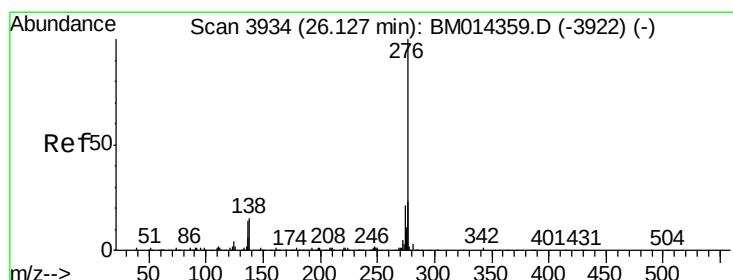
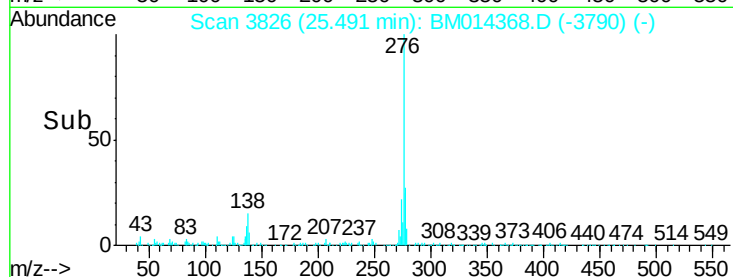
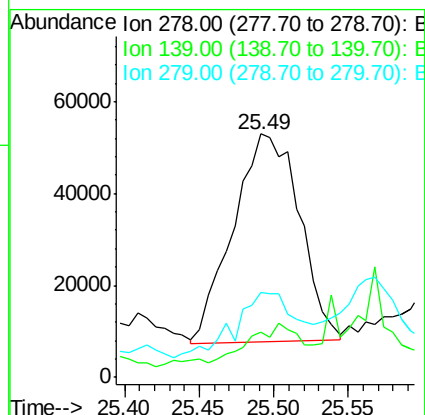
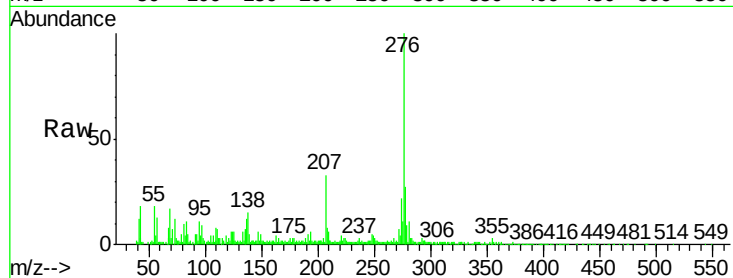
Tot Ion:278 Resp: 139745

Ion Ratio Lower Upper

278 100

139 18.4 5.8 8.8#

279 34.7 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 20.024 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.04 min

Lab File: BM014368.D

Acq: 26 Feb 2018 22:12

Tgt Ion:276 Resp: 484582

Ion Ratio Lower Upper

276 100

138 12.0 8.5 12.7

277 22.8 18.6 28.0

