

Data File : BM012149.D
Acq On : 13 Oct 2017 23:49
Operator : SJ/JU
Sample : I5772-10 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE2N8

Quant Time: Oct 14 04:34:42 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 04:34:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	190278	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	814229	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	491092	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1071362	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	871623	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	824719	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	5618	1.40	ng/uL	0.00
5) Phenol-d5	6.99	99	18755	1.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	54502	5.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	63009	4.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	38984	2.93	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	41245	6.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	45911	6.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	80929	5.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	12413	0.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	304529	7.02	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	347059	6.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	131	0.02	ng/ul	-0.02
57) Fluorene-d10	15.47	176	242033	6.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	29480	4.01	ng/ul	0.00
70) Anthracene-d10	17.32	188	366203	6.91	ng/ul	0.00
76) Pyrene-d10	19.62	212	368933	8.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	272875	6.86	ng/ul	-0.01

Target Compounds				Qvalue		
17) Hexachloroethane	8.93	117	13059	2.32	ng/ul#	1
28) Naphthalene	10.69	128	14204185	337.18	ng/ul	98
30) 4-Chloroaniline	10.69	127	1966179	154.12	ng/ul#	20
34) 2-Methylnaphthalene	12.29	142	686243	21.59	ng/ul	96
40) 1,1'-Biphenyl	13.30	154	535246	12.91	ng/ul	98
49) Acenaphthene	14.54	153	1349381	38.83	ng/ul	99
52) 4-Nitrophenol	14.87	109	6564	1.12	ng/ul#	1
53) Dibenzofuran	14.87	168	1609331	32.16	ng/ul	99
58) Fluorene	15.53	166	941878	22.66	ng/ul	99
60) 4-Nitroaniline	15.53	138	11335	1.37	ng/ul#	15
69) Phenanthrene	17.27	178	1565838	25.69	ng/ul	98
71) Anthracene	17.36	178	112713	1.79	ng/ul	96
72) Carbazole	17.63	167	643518	12.05	ng/ul	98
74) Fluoranthene	19.28	202	154606	2.10	ng/ul#	92
77) Pyrene	19.65	202	86071	1.50	ng/ul#	91

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

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BNA_M

ClientSampleId :

BE2N8

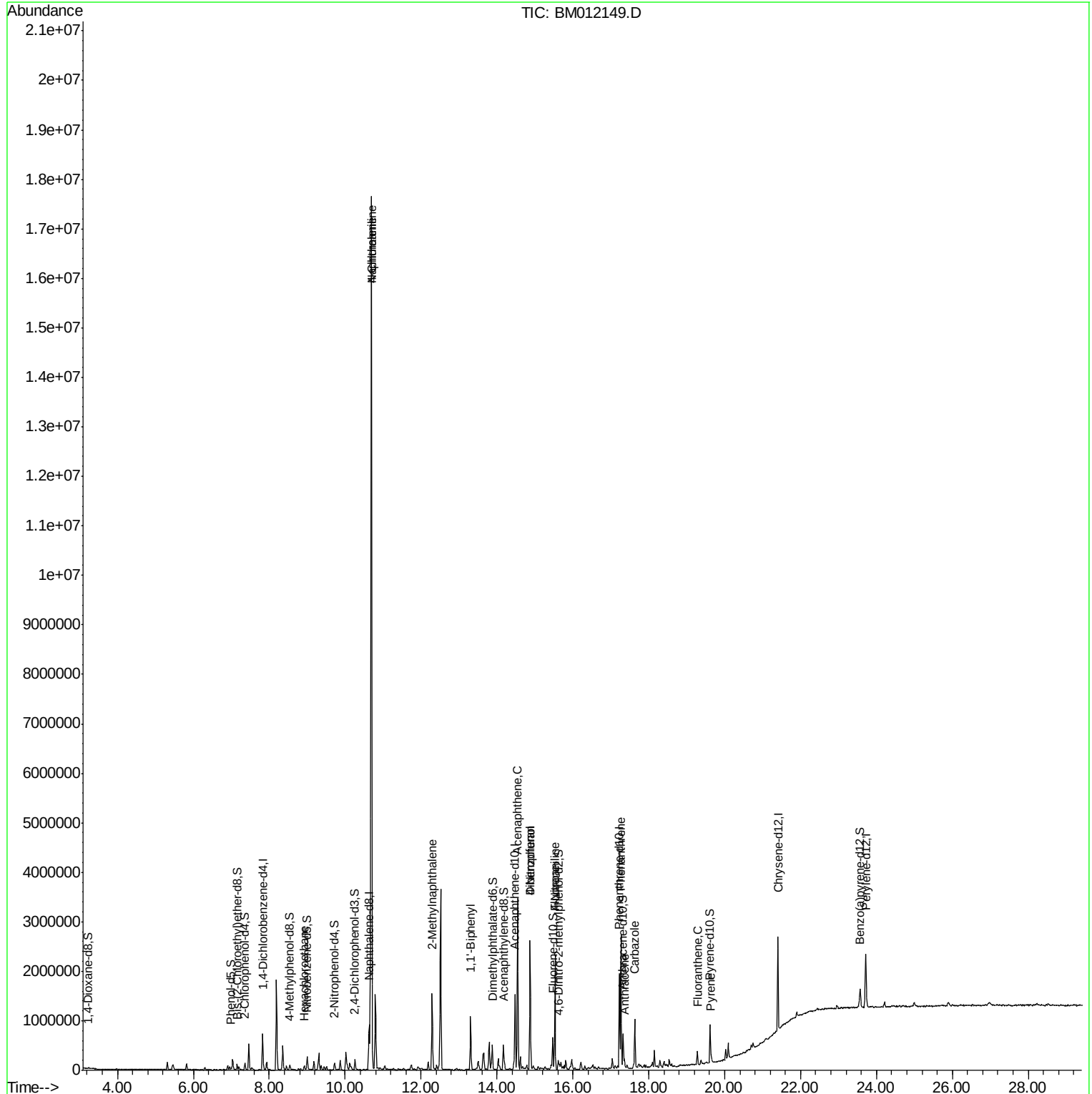
Quant Time: Oct 14 04:34:42 2017

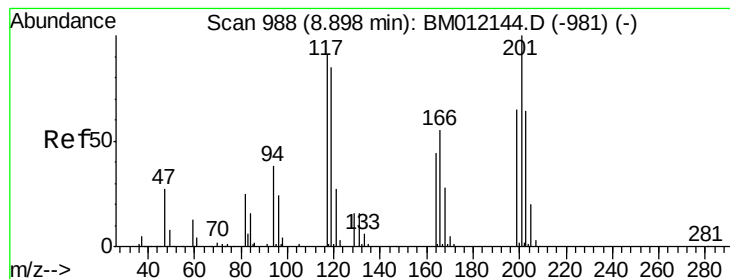
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 14 04:34:07 2017

Response via : Initial Calibration





#17

Hexachloroethane

Concen: 2.32 ng/ul

RT: 8.93 min Scan# 993

Delta R.T. 0.03 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

Instrument :

BNA_M

ClientSampled :

BE2N8

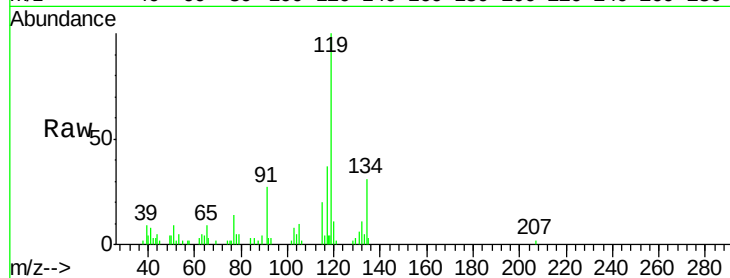
Tgt Ion:117 Resp: 13059

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

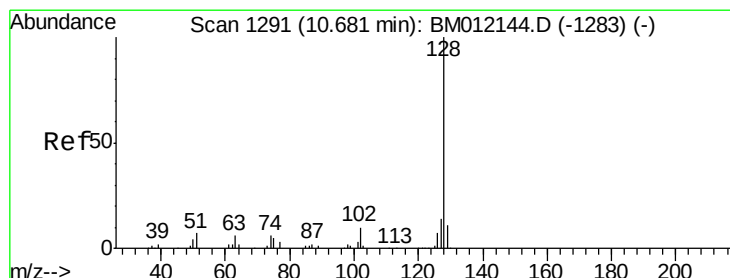
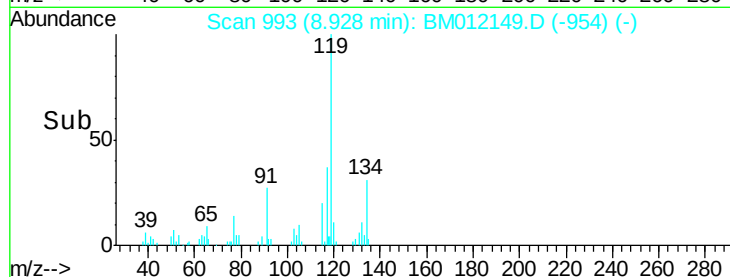
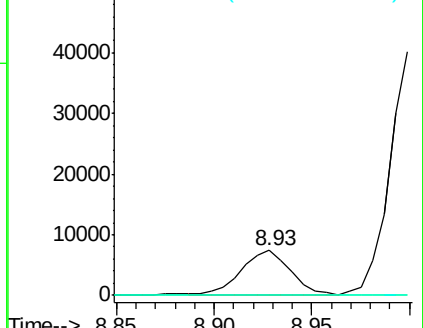
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 337.18 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

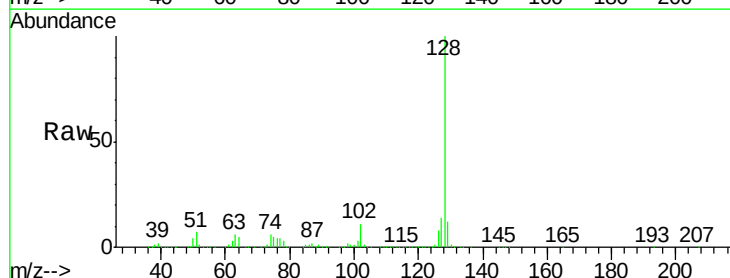
Tgt Ion:128 Resp:14204185

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

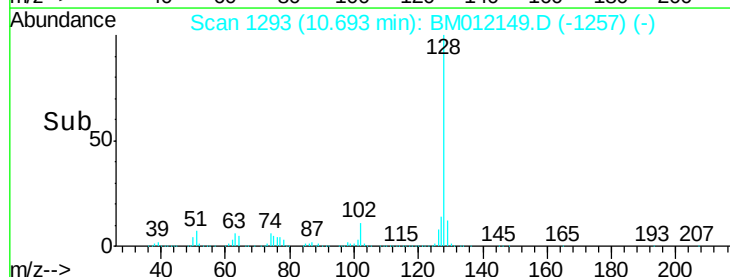
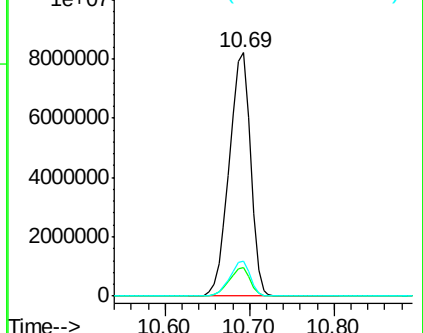
127 14.2 10.6 16.0

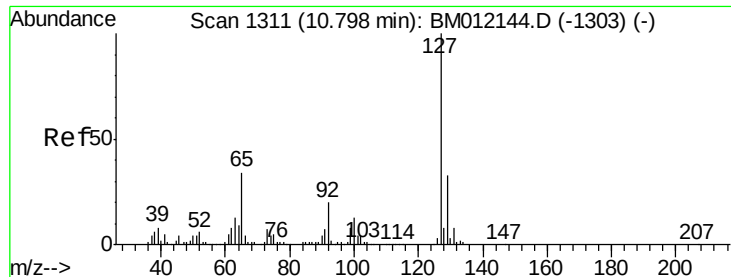


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

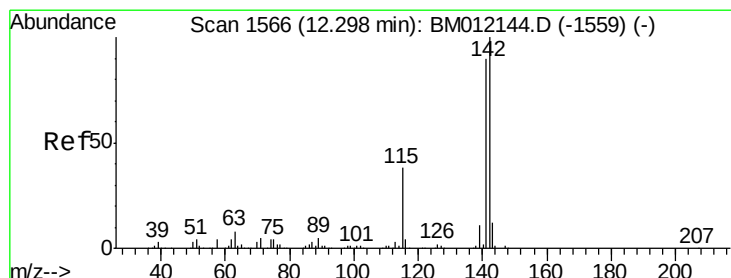
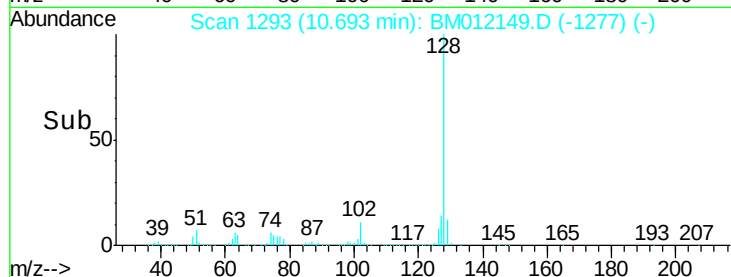
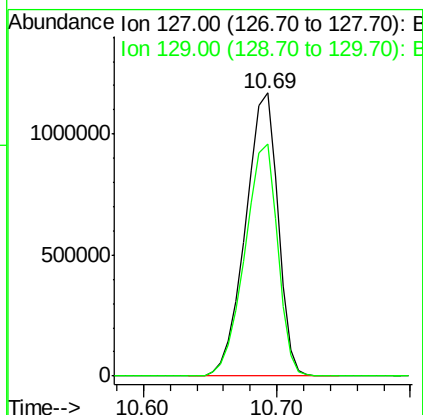
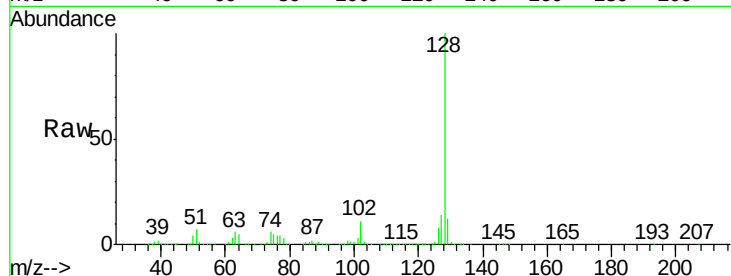




#30
4-Chloroaniline
Concen: 154.12 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.11 min
Lab File: BM012149.D
Acq: 13 Oct 2017 23:49

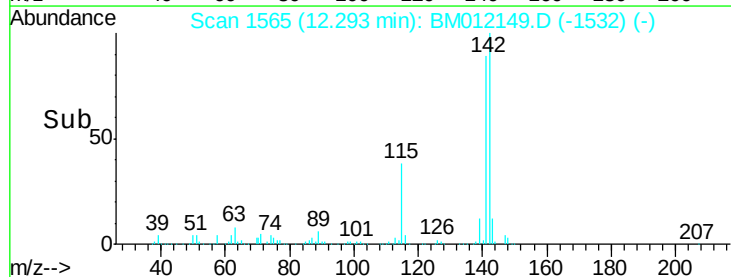
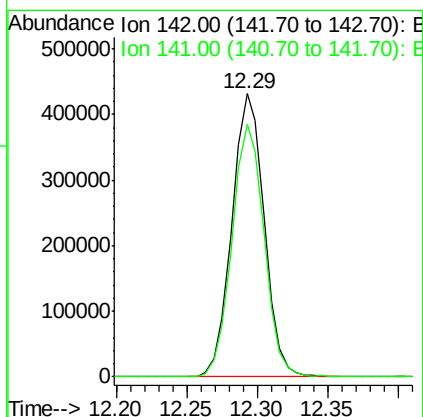
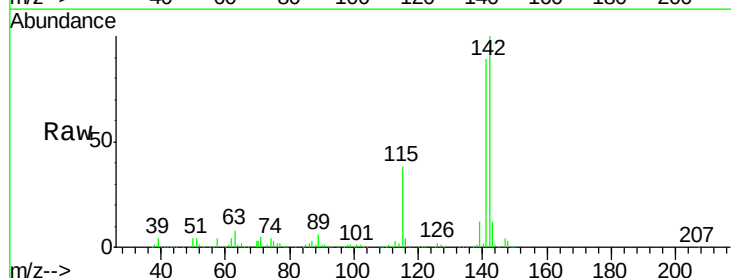
Instrument :
BNA_M
ClientSampleId :
BE2N8

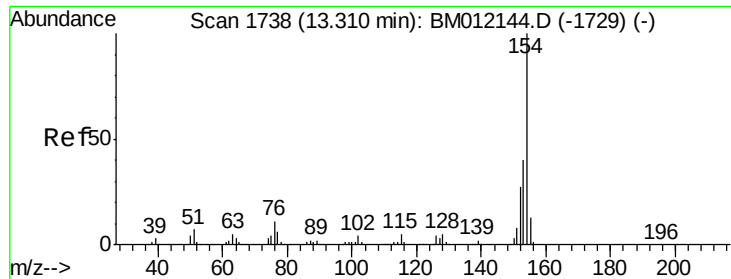
Tgt Ion:127 Resp: 1966179
Ion Ratio Lower Upper
127 100
129 82.0 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 21.59 ng/ul
RT: 12.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BM012149.D
Acq: 13 Oct 2017 23:49

Tgt Ion:142 Resp: 686243
Ion Ratio Lower Upper
142 100
141 89.1 74.1 111.1





#40

1,1'-Biphenyl

Concen: 12.91 ng/ul

RT: 13.30 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

Instrument :

BNA_M

ClientSampleId :

BE2N8

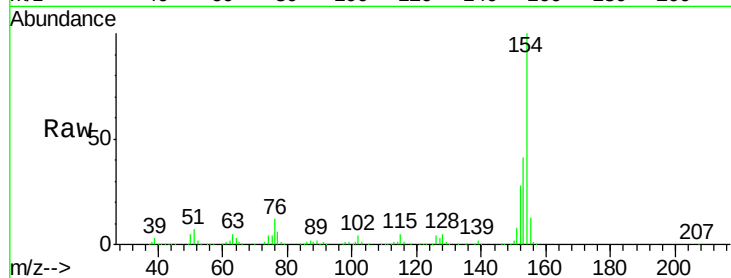
Tgt Ion:154 Resp: 535246

Ion Ratio Lower Upper

154 100

153 41.4 32.6 48.8

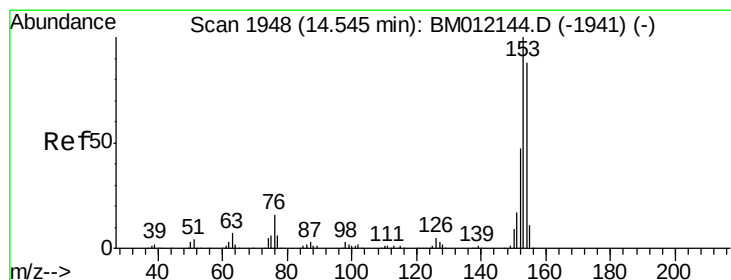
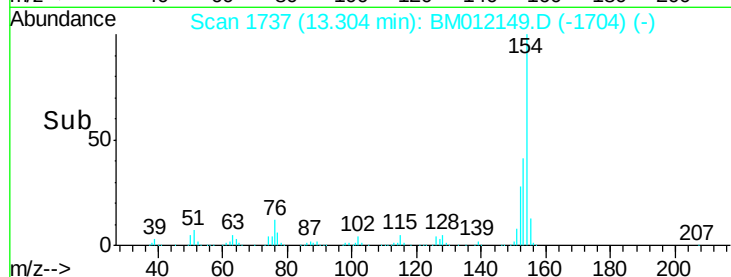
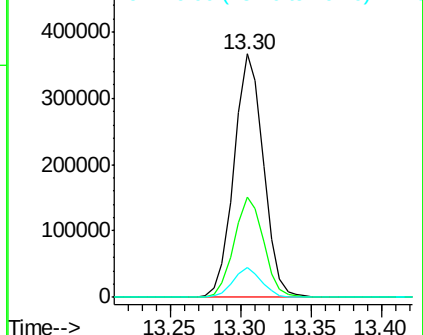
76 12.3 8.5 12.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#49

Acenaphthene

Concen: 38.83 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

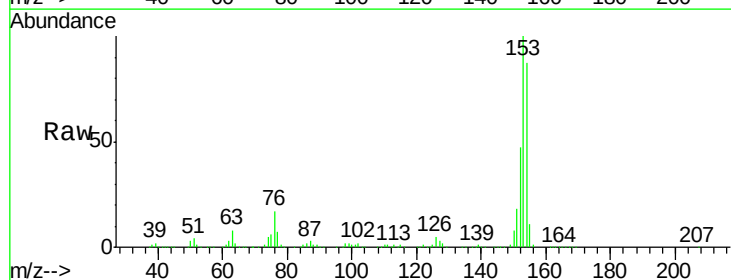
Tgt Ion:153 Resp: 1349381

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

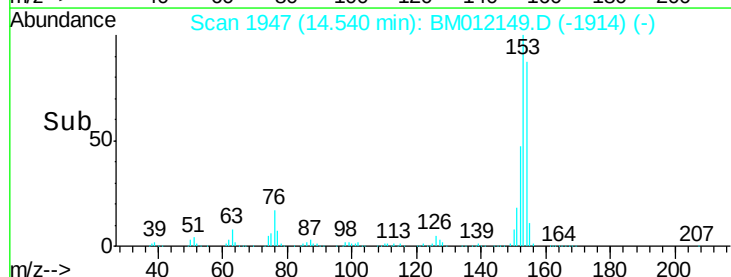
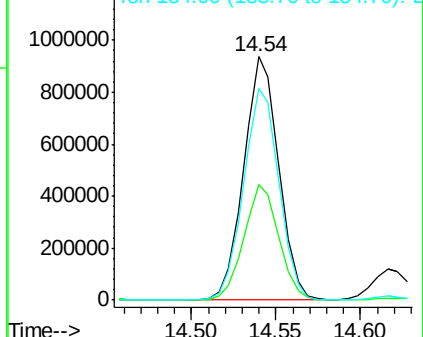
154 87.2 70.4 105.6

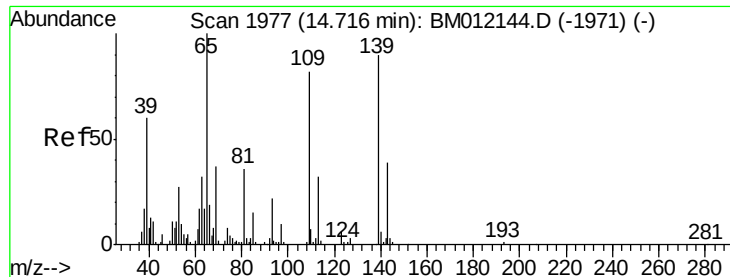


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 1.12 ng/ul

RT: 14.87 min Scan# 2004

Delta R.T. 0.16 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

Instrument :

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ClientSampleId :

BE2N8

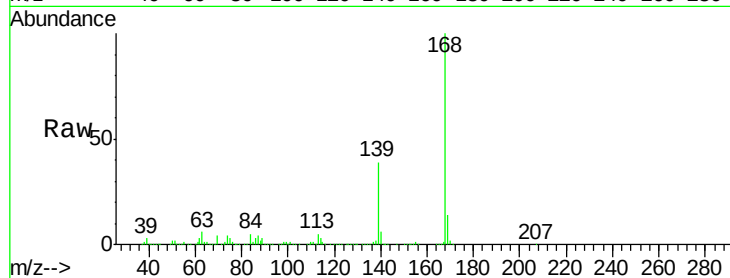
Tgt Ion:109 Resp: 6564

Ion Ratio Lower Upper

109 100

139 8435.3 80.0 120.0#

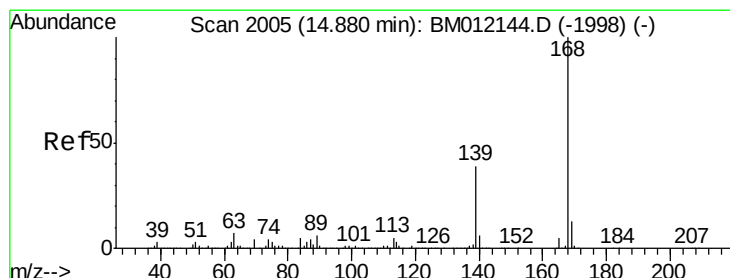
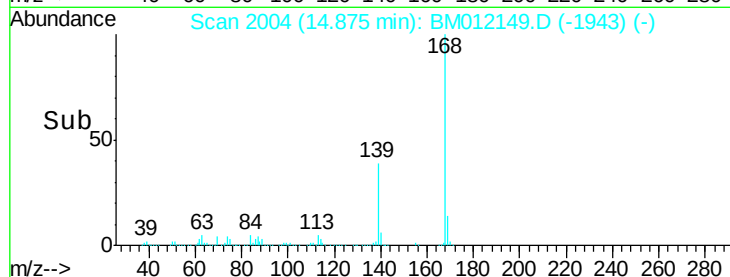
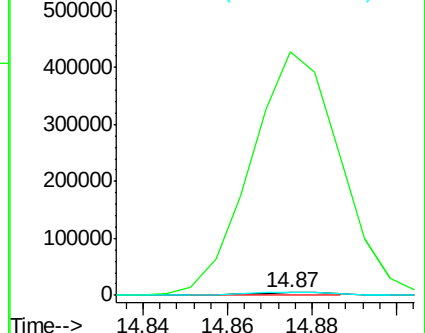
65 120.7 120.0 180.0



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53

Dibenzofuran

Concen: 32.16 ng/ul

RT: 14.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BM012149.D

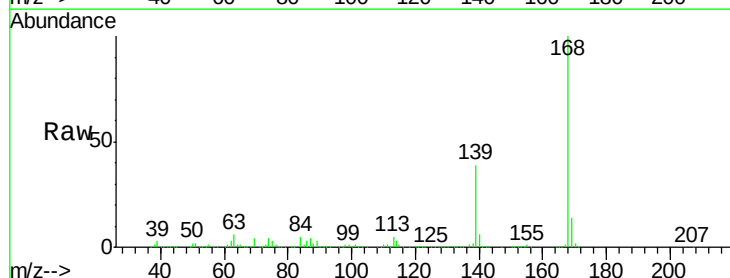
Acq: 13 Oct 2017 23:49

Tgt Ion:168 Resp: 1609331

Ion Ratio Lower Upper

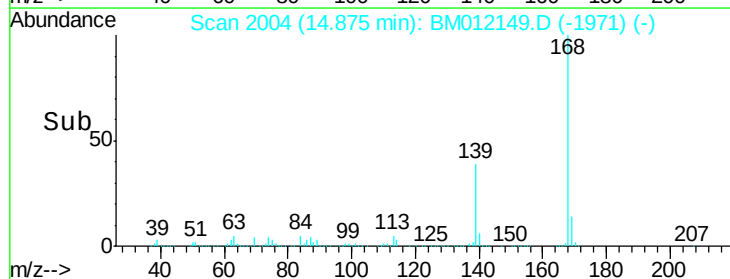
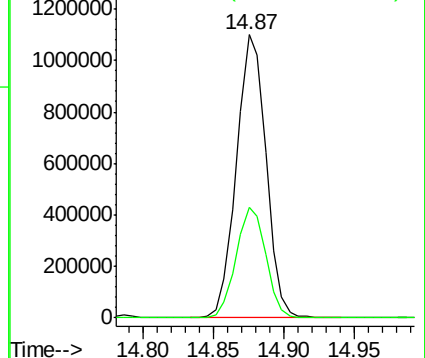
168 100

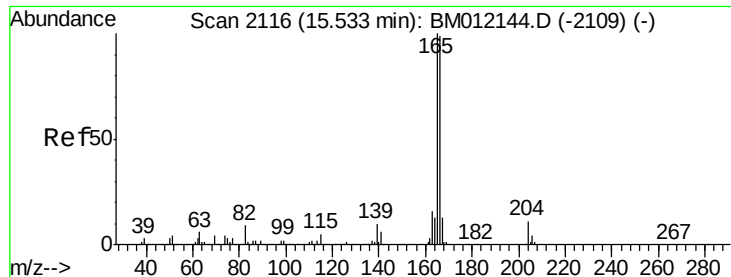
139 38.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 22.66 ng/ul

RT: 15.53 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

Instrument :

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ClientSampleId :

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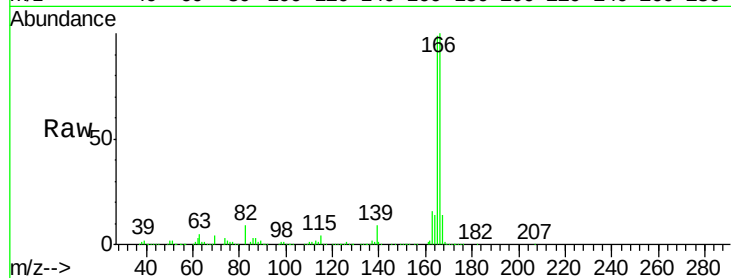
Tgt Ion:166 Resp: 941878

Ion Ratio Lower Upper

166 100

165 98.6 77.9 116.9

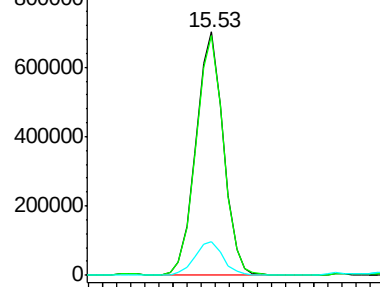
167 13.8 10.6 16.0



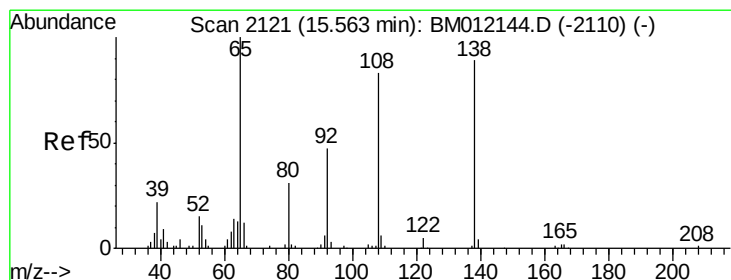
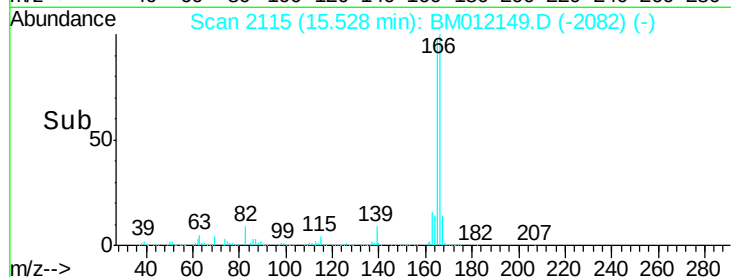
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#60

4-Nitroaniline

Concen: 1.37 ng/ul

RT: 15.53 min Scan# 2115

Delta R.T. -0.03 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

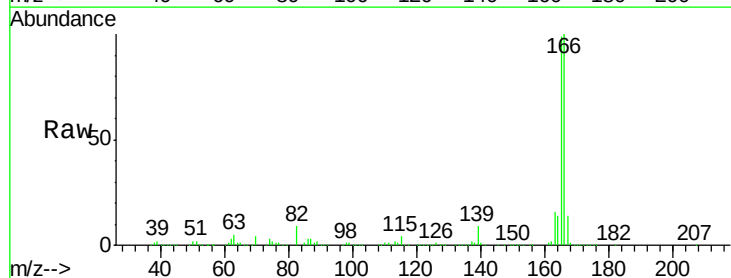
Tgt Ion:138 Resp: 11335

Ion Ratio Lower Upper

138 100

92 4.2 40.0 60.0#

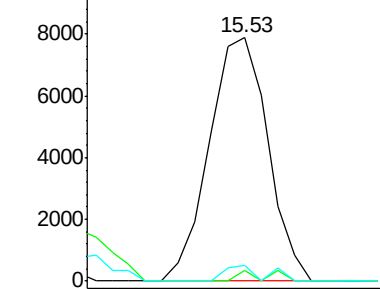
108 6.3 80.0 120.0#



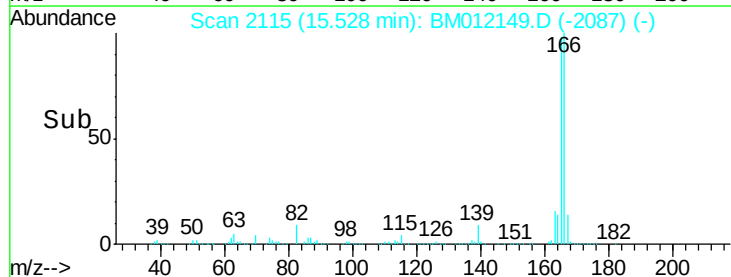
Abundance Ion 138.00 (137.70 to 138.70): E

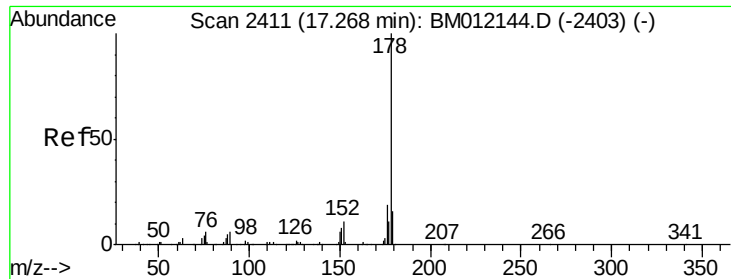
Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



Time-->





#69

Phenanthrene

Concen: 25.69 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM012149.D

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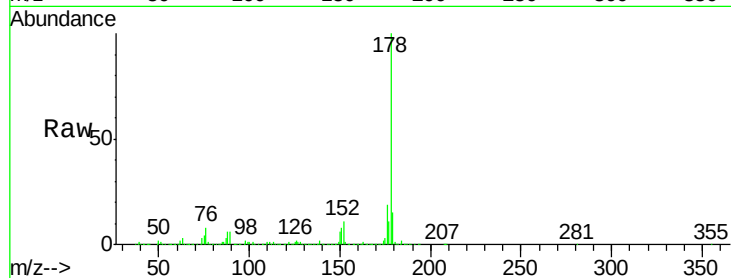
Tgt Ion:178 Resp: 1565838

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

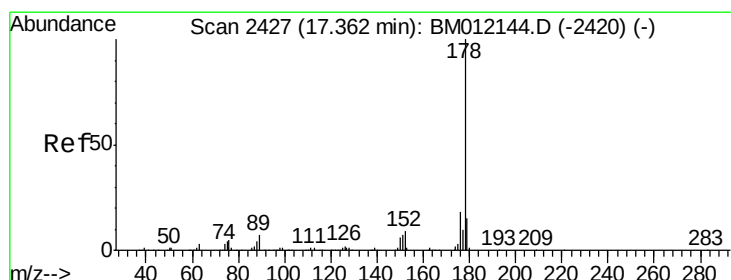
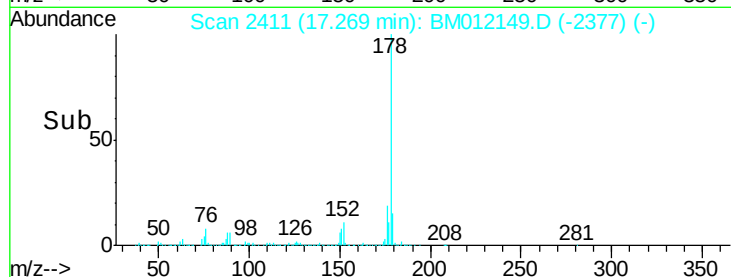
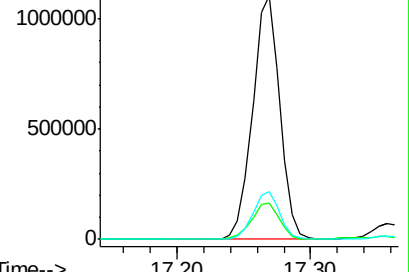
176 19.4 14.9 22.3



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: 1.79 ng/ul

RT: 17.36 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

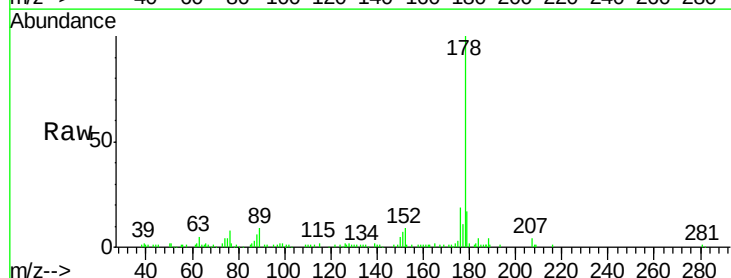
Tgt Ion:178 Resp: 112713

Ion Ratio Lower Upper

178 100

179 16.8 11.7 17.5

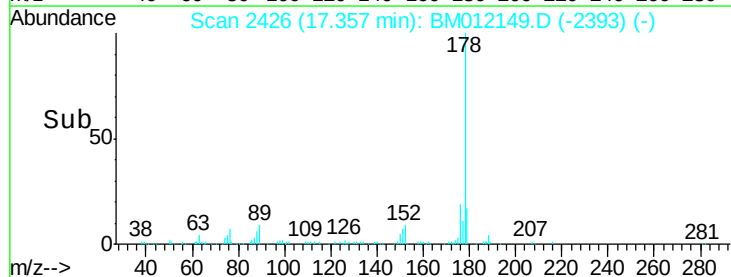
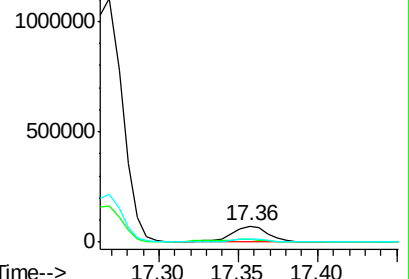
176 19.4 14.6 21.8

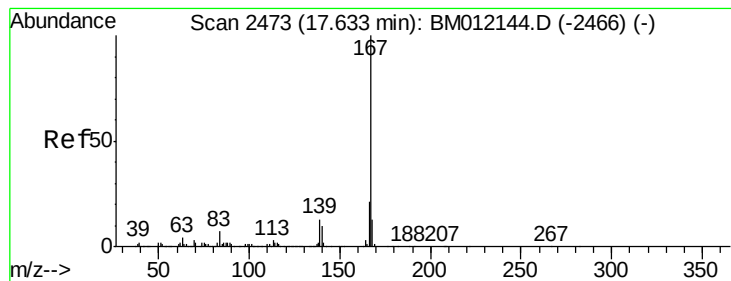


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 12.05 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. -0.01 min

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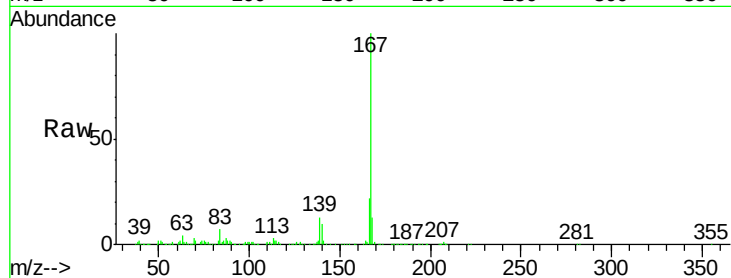
Tgt Ion:167 Resp: 643518

Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

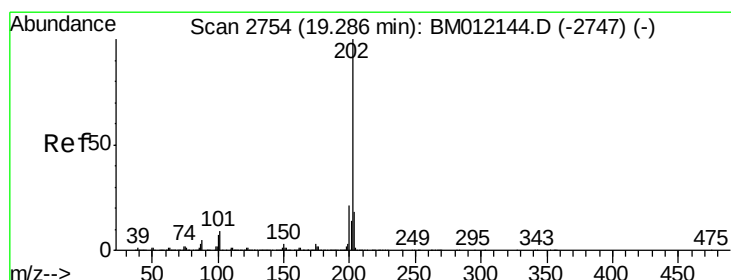
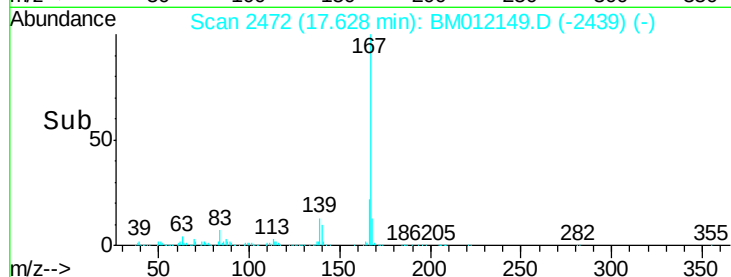
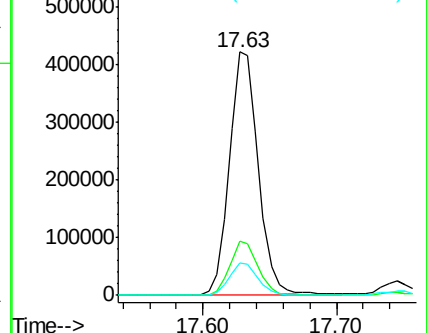
139 13.4 10.0 15.0



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: 2.10 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BM012149.D

Acq: 13 Oct 2017 23:49

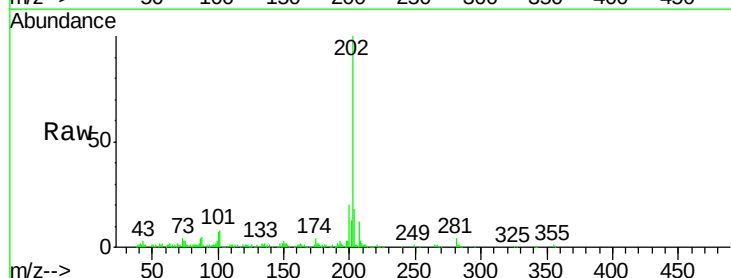
Tgt Ion:202 Resp: 154606

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

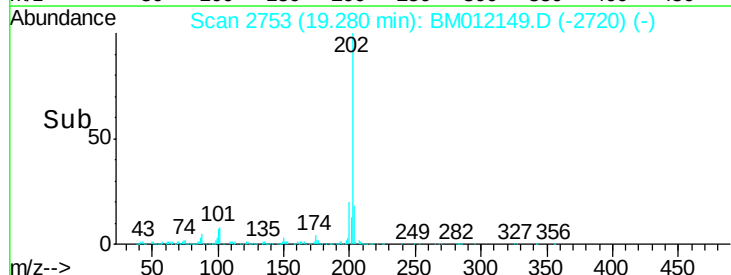
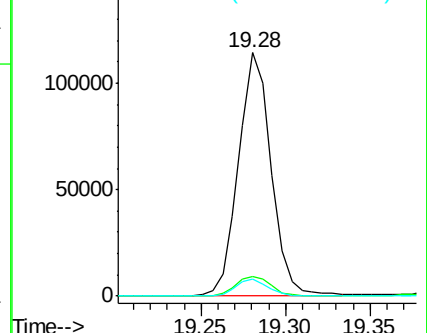
100 6.8 3.4 5.2#

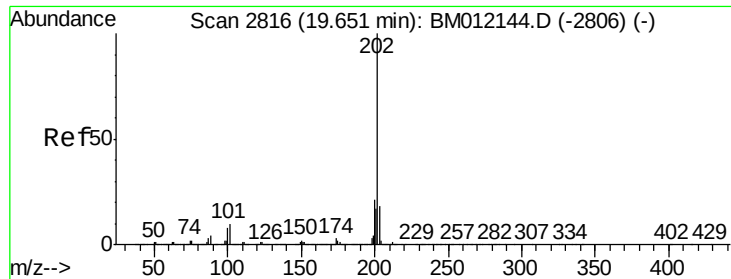


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77
 Pyrene
 Concen: 1.50 ng/ul
 RT: 19.65 min Scan# 2815
 Delta R.T. -0.01 min
 Lab File: BM012149.D
 Acq: 13 Oct 2017 23:49

Instrument :
 BNA_M
 ClientSampleId :
 BE2N8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.1	7.7#
100	8.9	4.9	7.3#

