

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111716\
 Data File : BM007949.D
 Acq On : 17 Nov 2016 20:52
 Operator : UM/SJ
 Sample : H5622-19DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WL6DL

Quant Time: Nov 18 02:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 18 02:32:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	188576	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	705595	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.36	164	439072	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.11	188	819484	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	983626	20.00	ng/ul	0.00
83) Perylene-d12	23.54	264	1061979	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	109	0.02	ng/uL	0.00
5) Phenol-d5	6.92	99	6294	0.43	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.07	67	19009	2.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	20578	1.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	12689	1.11	ng/ul	0.02
19) Nitrobenzene-d5	8.89	128	14020	2.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.60	143	12247	2.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	21583	2.01	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	76289	6.20	ng/ul	-0.04
43) Dimethylphthalate-d6	13.77	166	82545	2.74	ng/ul	0.00
46) Acenaphthylene-d8	14.05	160	99604	2.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	4696	0.97	ng/ul	-0.01
57) Fluorene-d10	15.36	176	80696	3.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	9141	1.87	ng/ul	0.01
70) Anthracene-d10	17.20	188	114035	3.06	ng/ul	0.00
76) Pyrene-d10	19.50	212	127974	3.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.40	264	134198	2.86	ng/ul	0.00

Target Compounds

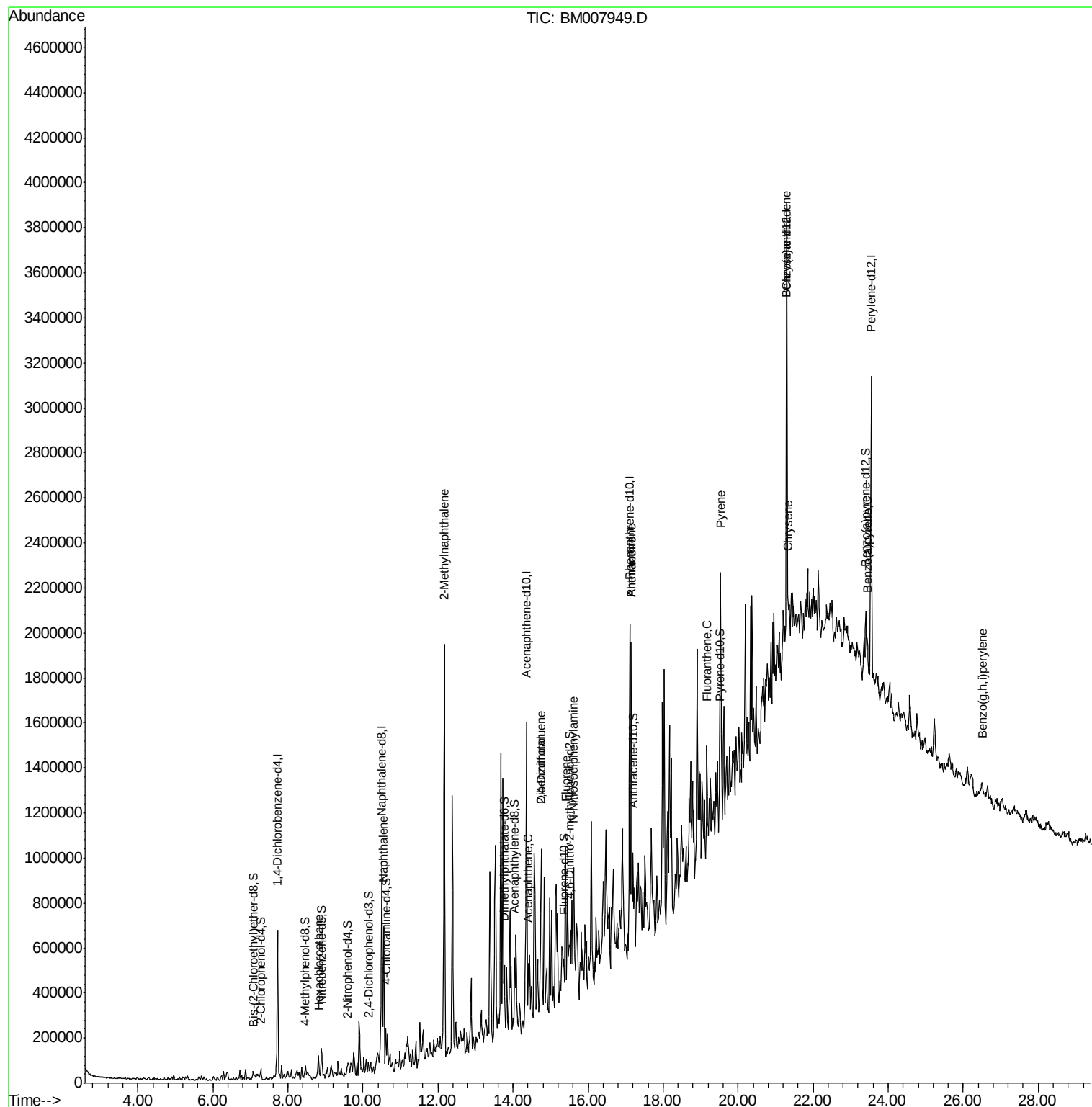
						Qvalue
17) Hexachloroethane	8.82	117	10096	1.99	ng/ul#	2
28) Naphthalene	10.55	128	443107	12.81	ng/ul	98
34) 2-Methylnaphthalene	12.17	142	875273	35.67	ng/ul	99
49) Acenaphthene	14.42	153	55943	2.20	ng/ul	97
53) Dibenzofuran	14.76	168	44992	1.24	ng/ul#	62
54) 2,4-Dinitrotoluene	14.76	165	14151	1.76	ng/ul#	14
58) Fluorene	15.41	166	130121	4.47	ng/ul#	91
64) N-Nitrosodiphenylamine	15.62	169	90274	3.83	ng/ul#	54
69) Phenanthrene	17.15	178	754769	17.20	ng/ul	96
71) Anthracene	17.15	178	754769	16.93	ng/ul	95
74) Fluoranthene	19.17	202	117803	2.29	ng/ul#	88
77) Pyrene	19.53	202	687479	13.48	ng/ul	99
80) Benzo(a)anthracene	21.29	228	97623	1.84	ng/ul#	44
82) Chrysene	21.34	228	132590	2.61	ng/ul#	59
88) Benzo(a)pyrene	23.45	252	74433	1.29	ng/ul#	59
91) Benzo(g,h,i)perylene	26.50	276	66420	1.15	ng/ul#	75

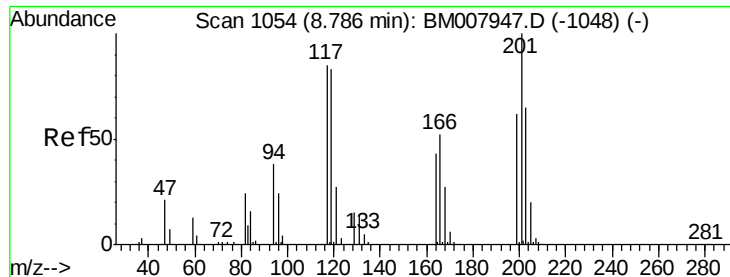
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.99 ng/ul

RT: 8.82 min Scan# 1060

Delta R.T. 0.04 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

Instrument :

BNA_M

ClientSampleId :

A4WL6DL

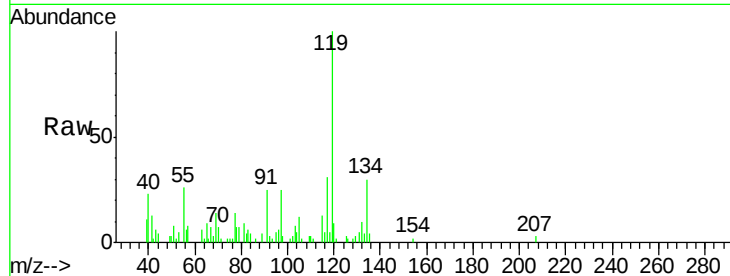
Tgt Ion:117 Resp: 10096

Ion Ratio Lower Upper

117 100

201 0.0 90.3 135.5#

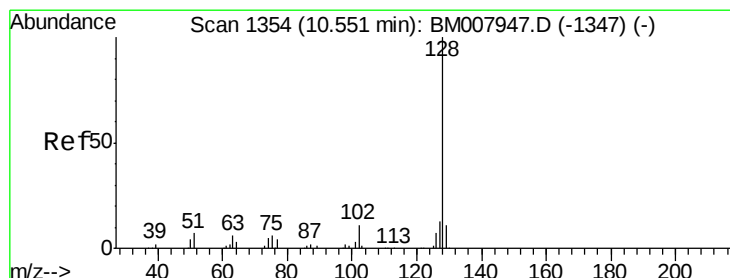
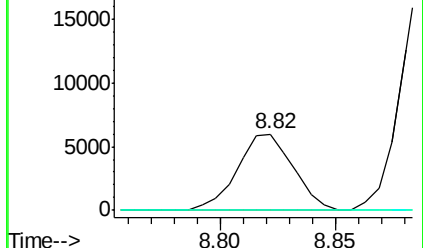
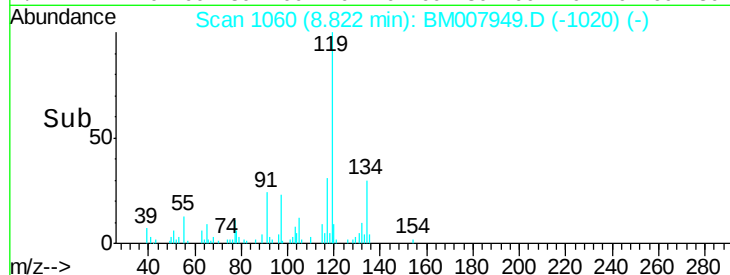
199 0.0 58.5 87.7#



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: 12.81 ng/ul

RT: 10.55 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

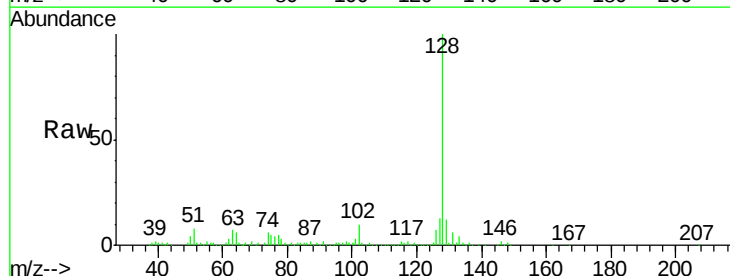
Tgt Ion:128 Resp: 443107

Ion Ratio Lower Upper

128 100

129 11.8 8.6 12.8

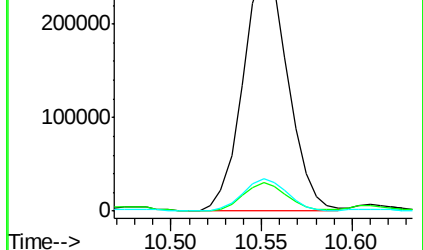
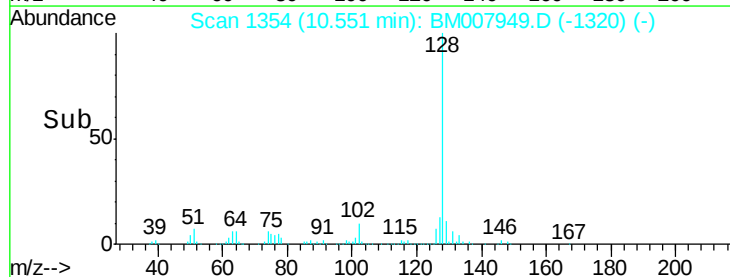
127 13.4 10.6 15.8

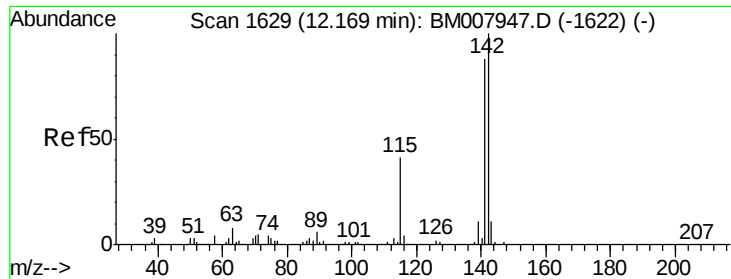


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

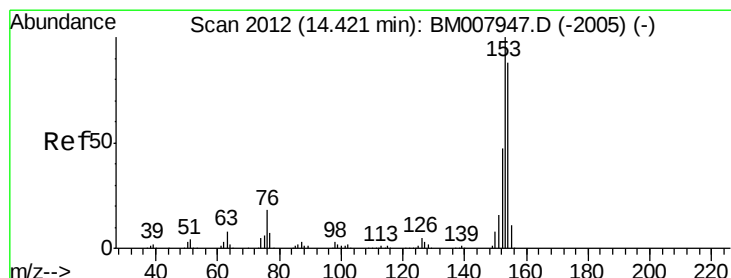
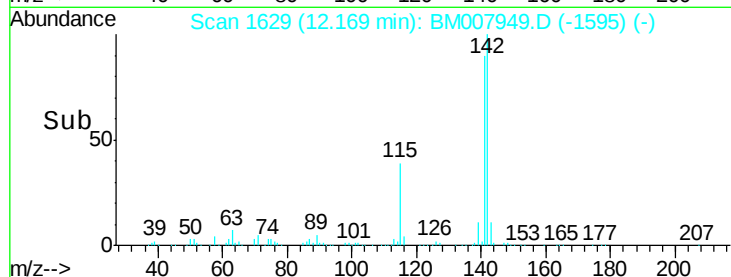
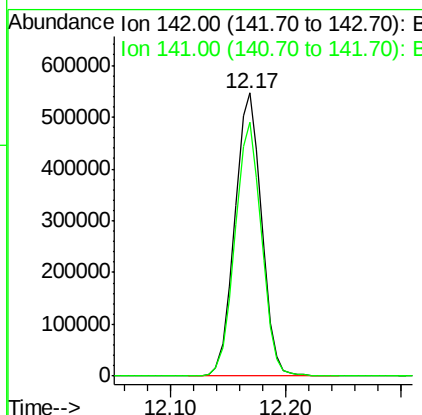
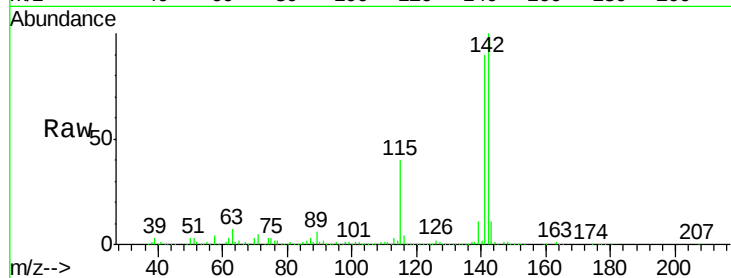




#34
2-Methylnaphthalene
Concen: 35.67 ng/ul
RT: 12.17 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BM007949.D
Acq: 17 Nov 2016 20:52

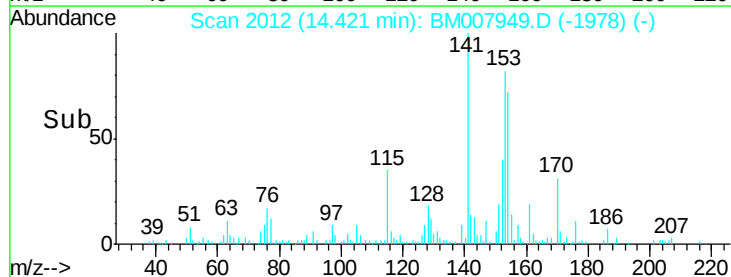
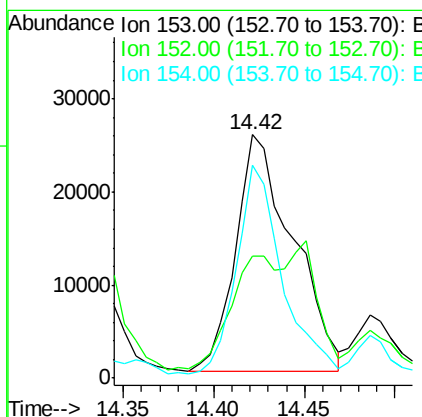
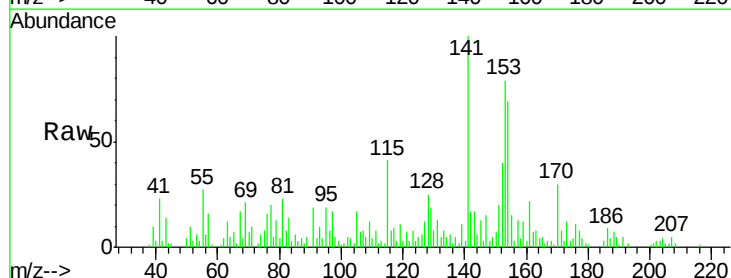
Instrument :
BNA_M
ClientSampleId :
A4WL6DL

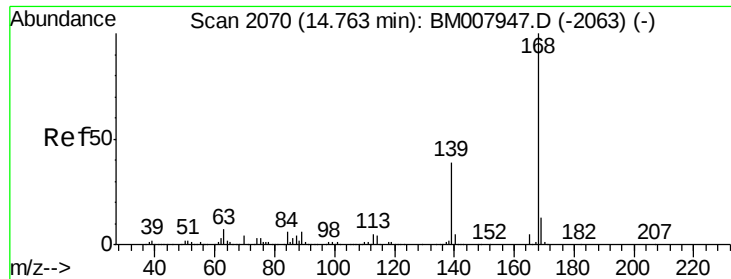
Tgt Ion:142 Resp: 875273
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9



#49
Acenaphthene
Concen: 2.20 ng/ul
RT: 14.42 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BM007949.D
Acq: 17 Nov 2016 20:52

Tgt Ion:153 Resp: 55943
Ion Ratio Lower Upper
153 100
152 50.1 37.8 56.6
154 87.5 71.4 107.0





#53

Dibenzenofuran

Concen: 1.24 ng/ul

RT: 14.76 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

Instrument :

BNA_M

ClientSampleId :

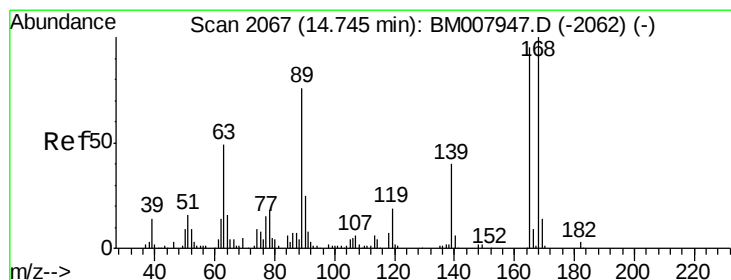
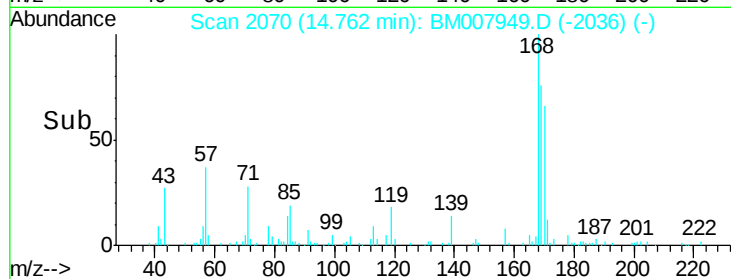
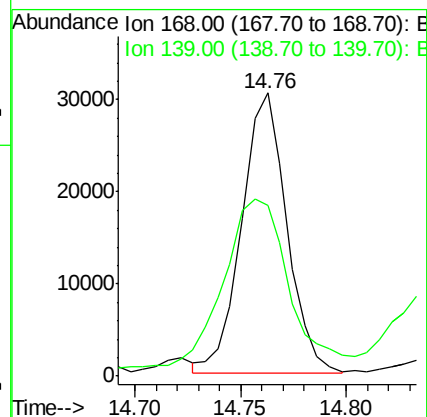
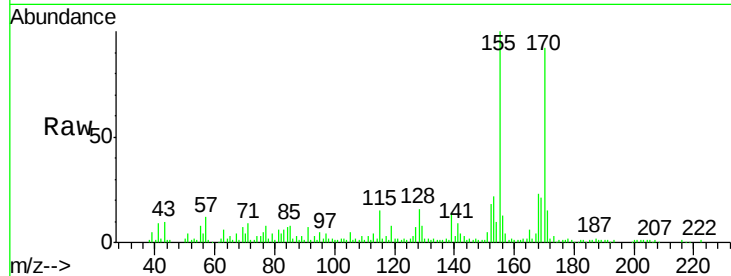
A4WL6DL

Tgt Ion:168 Resp: 44992

Ion Ratio Lower Upper

168 100

139 60.2 30.1 45.1#



#54

2,4-Dinitrotoluene

Concen: 1.76 ng/ul

RT: 14.76 min Scan# 2069

Delta R.T. 0.01 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

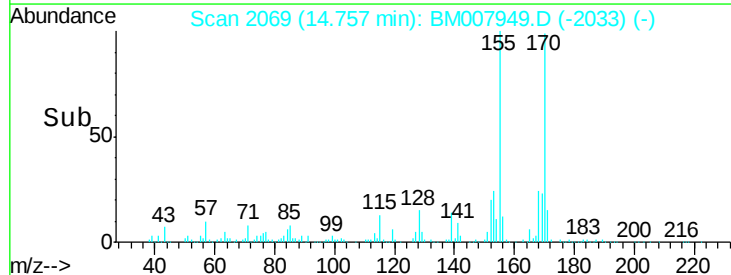
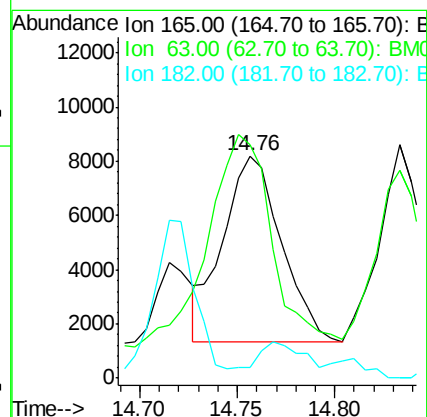
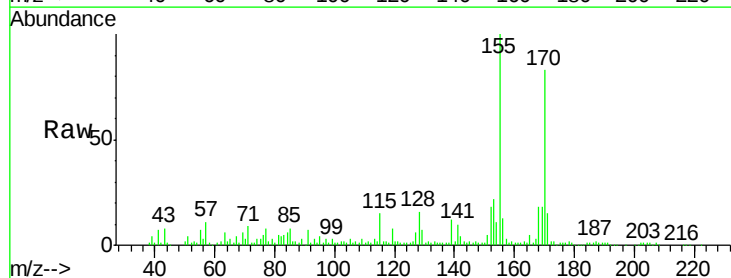
Tgt Ion:165 Resp: 14151

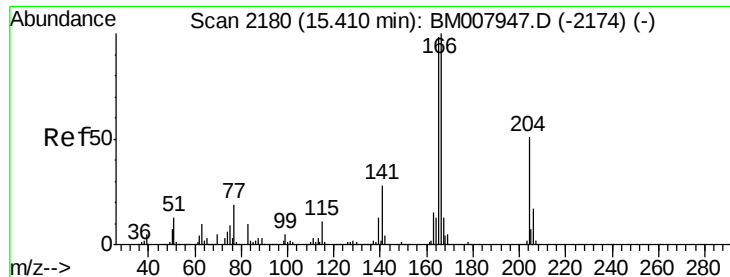
Ion Ratio Lower Upper

165 100

63 104.9 36.2 54.2#

182 5.1 2.2 3.4#





#58

Fluorene

Concen: 4.47 ng/ul

RT: 15.41 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

Instrument :

BNA_M

ClientSampleId :

A4WL6DL

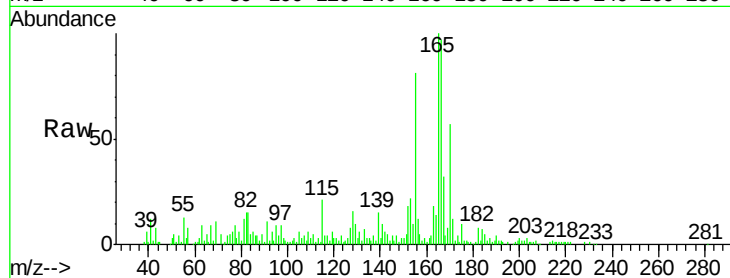
Tgt Ion:166 Resp: 130121

Ion Ratio Lower Upper

166 100

165 103.6 79.9 119.9

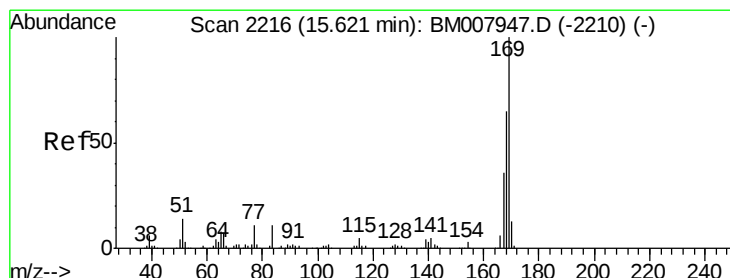
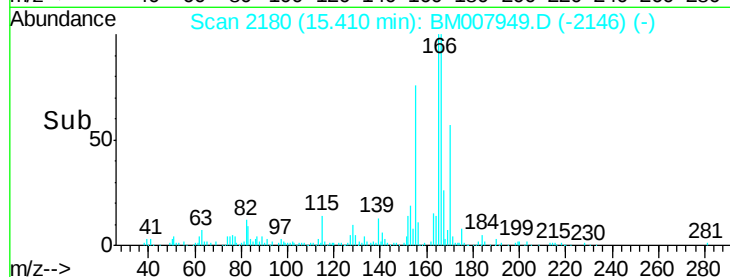
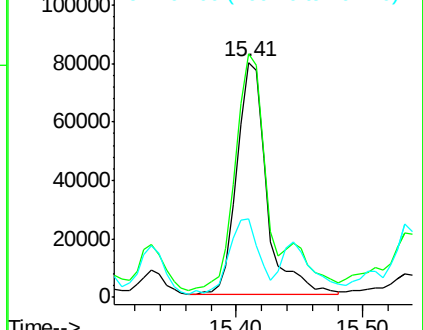
167 33.3 10.5 15.7#



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: 3.83 ng/ul

RT: 15.62 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

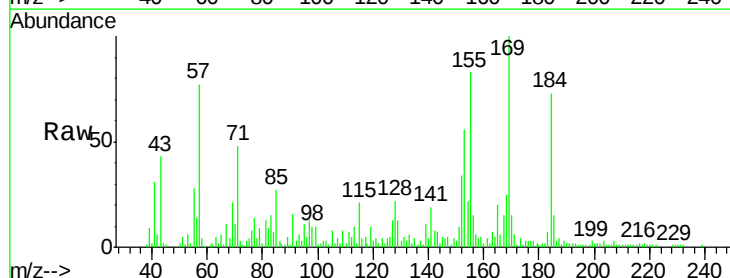
Tgt Ion:169 Resp: 90274

Ion Ratio Lower Upper

169 100

168 25.1 52.6 79.0#

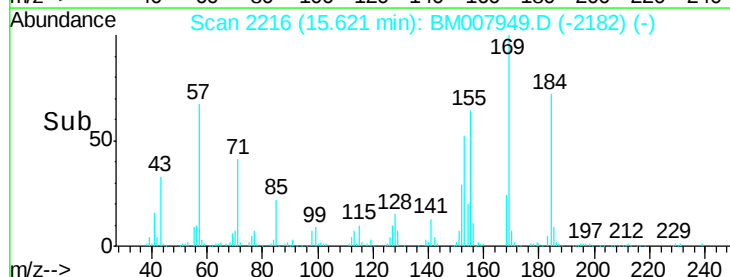
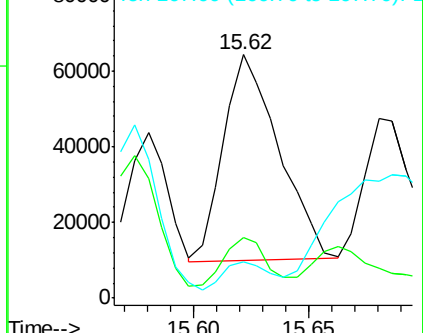
167 14.8 28.6 43.0#

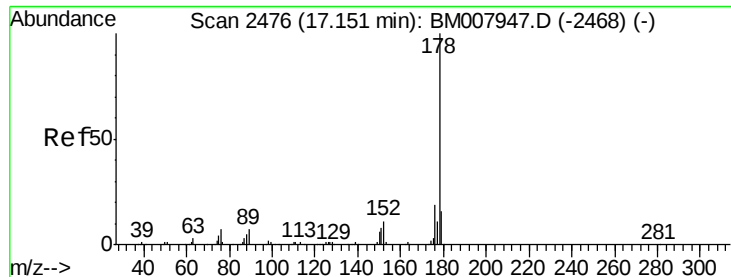


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 17.20 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

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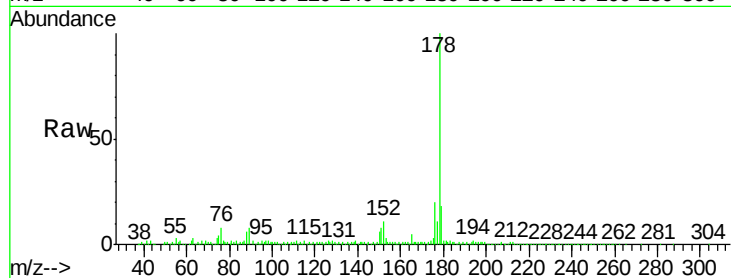
Tgt Ion:178 Resp: 754769

Ion Ratio Lower Upper

178 100

179 18.0 12.2 18.2

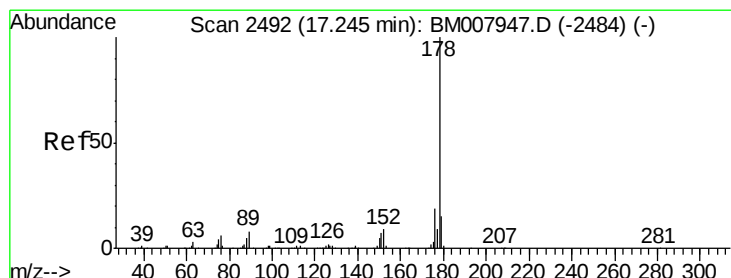
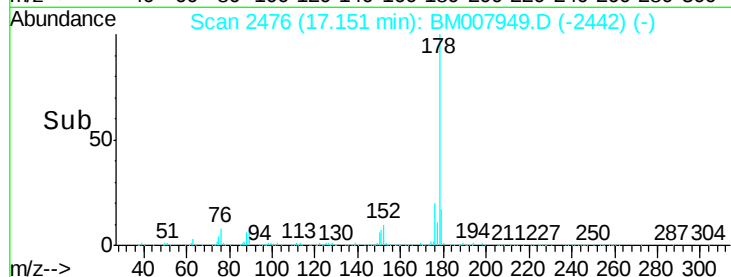
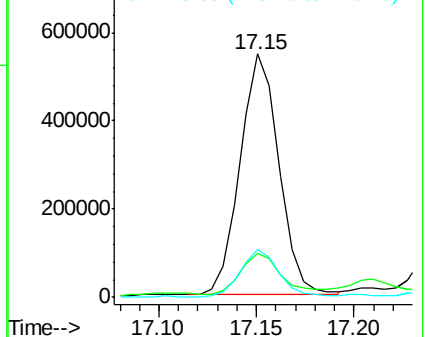
176 19.8 15.1 22.7



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: 16.93 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. -0.09 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

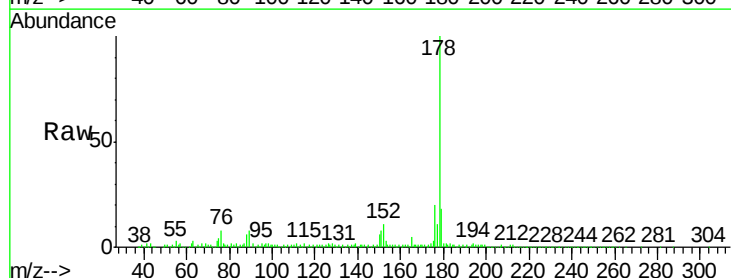
Tgt Ion:178 Resp: 754769

Ion Ratio Lower Upper

178 100

179 18.0 12.1 18.1

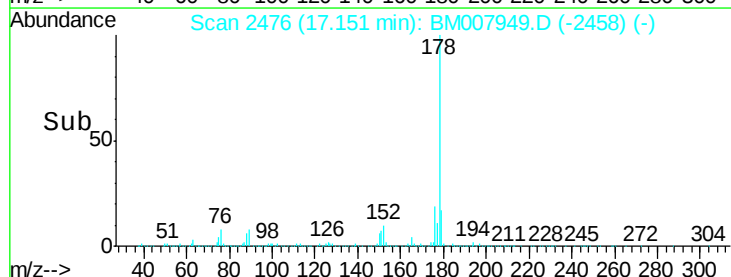
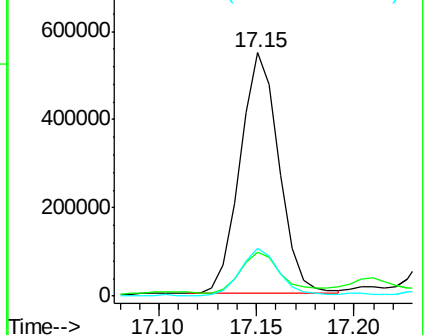
176 19.8 14.5 21.7

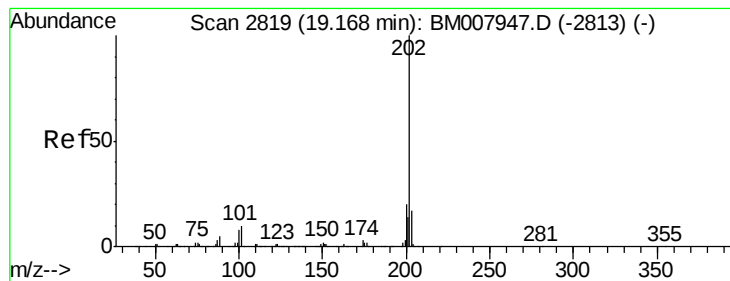


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.29 ng/ul

RT: 19.17 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BM007949.D

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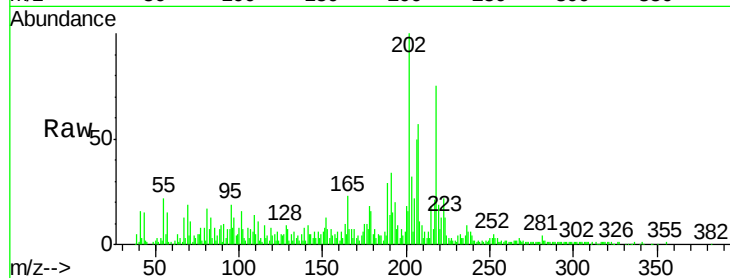
Tgt Ion:202 Resp: 117803

Ion Ratio Lower Upper

202 100

101 15.6 6.9 10.3#

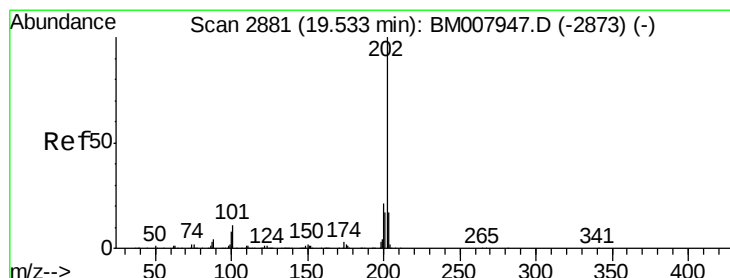
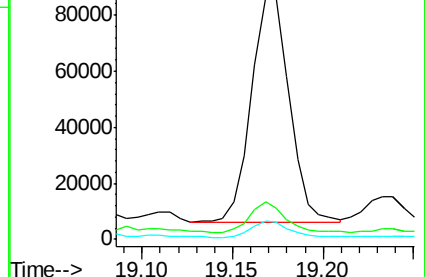
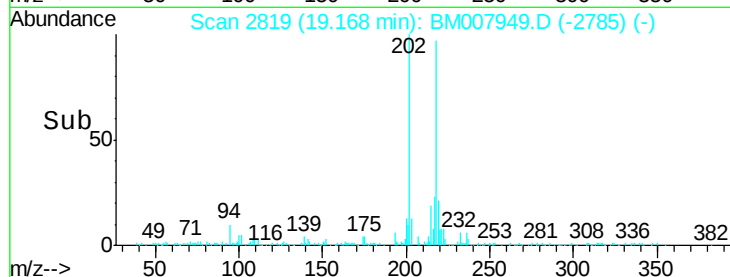
100 7.5 5.4 8.0



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: 13.48 ng/ul

RT: 19.53 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

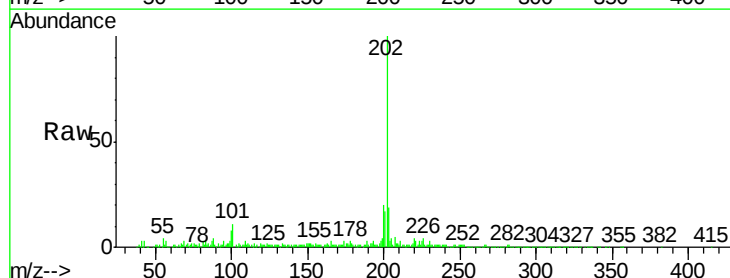
Tgt Ion:202 Resp: 687479

Ion Ratio Lower Upper

202 100

101 11.0 8.4 12.6

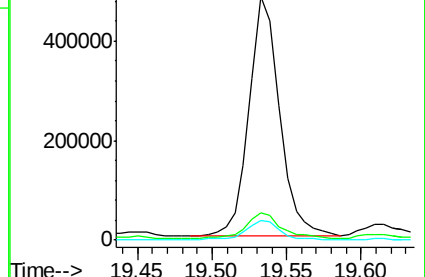
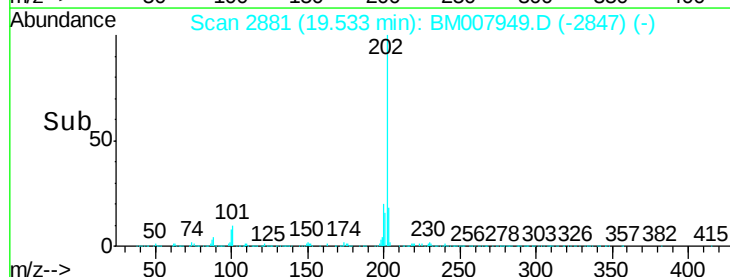
100 8.3 6.9 10.3

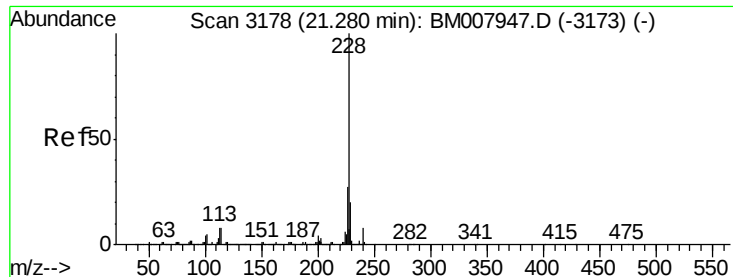


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.84 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.01 min

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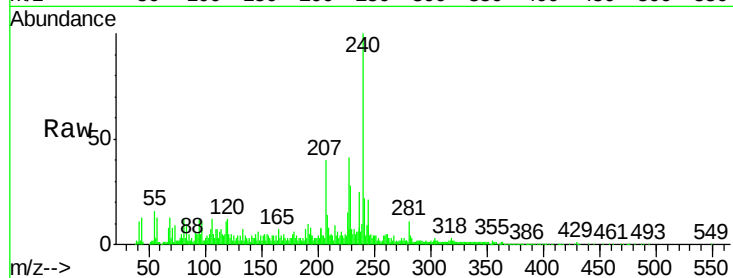
Tgt Ion:228 Resp: 97623

Ion Ratio Lower Upper

228 100

229 68.9 15.6 23.4#

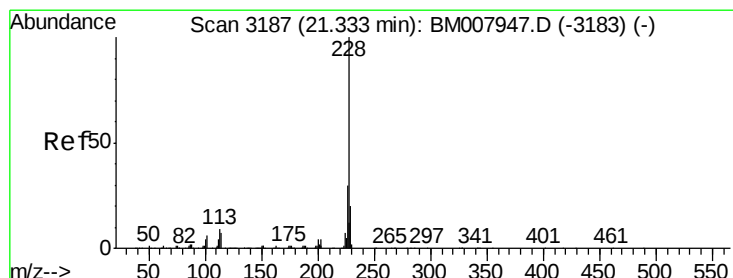
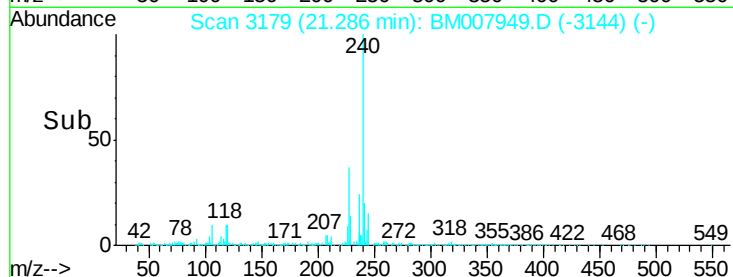
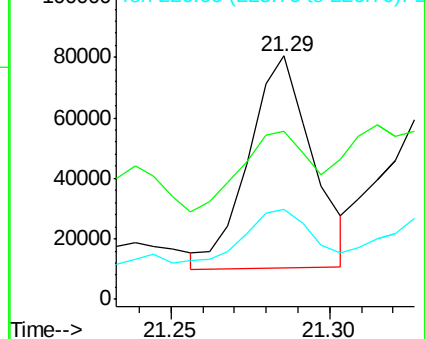
226 37.0 21.8 32.8#



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



#82

Chrysene

Concen: 2.61 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. 0.01 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

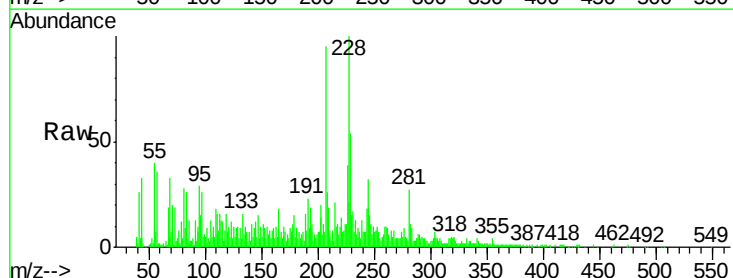
Tgt Ion:228 Resp: 132590

Ion Ratio Lower Upper

228 100

226 38.6 23.4 35.2#

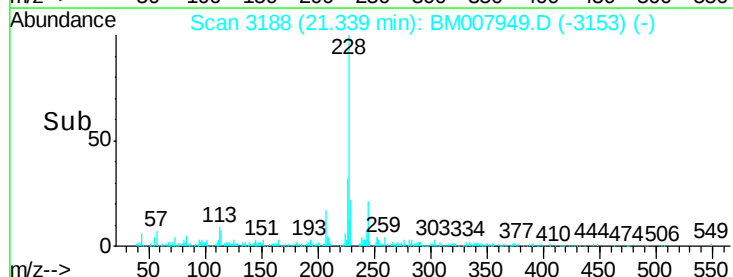
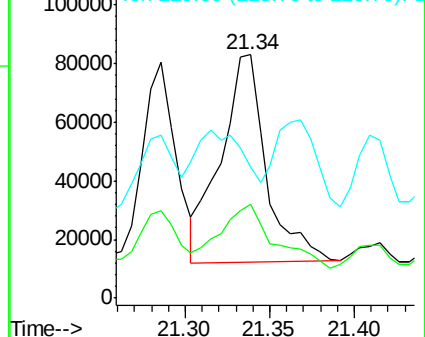
229 53.8 15.5 23.3#

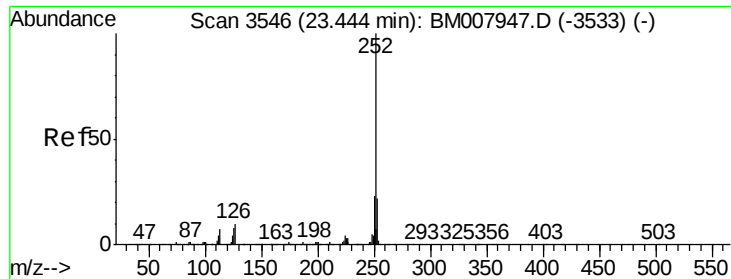


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(a)pyrene

Concen: 1.29 ng/ul

RT: 23.45 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

Instrument :

BNA_M

ClientSampleId :

A4WL6DL

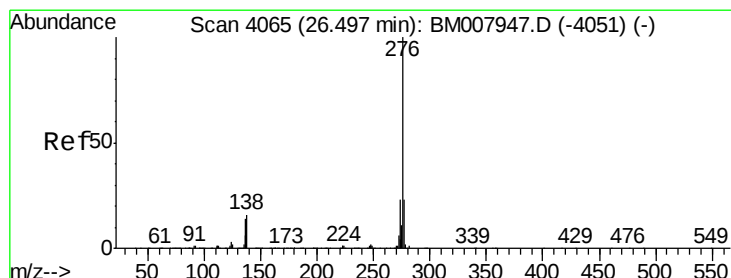
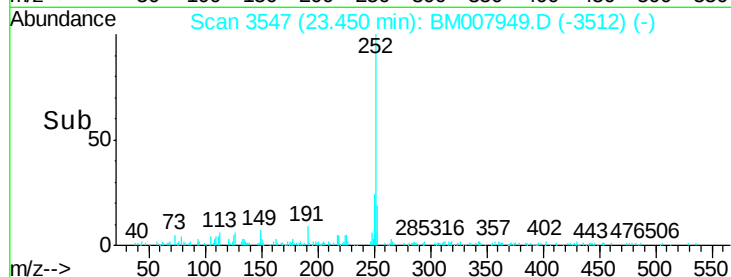
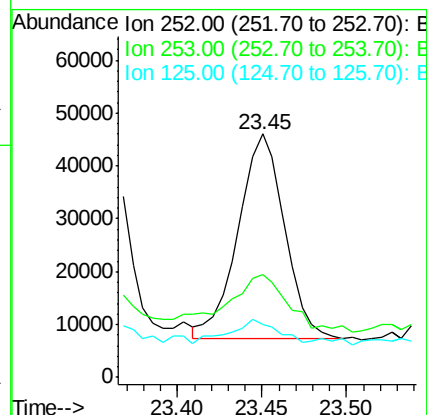
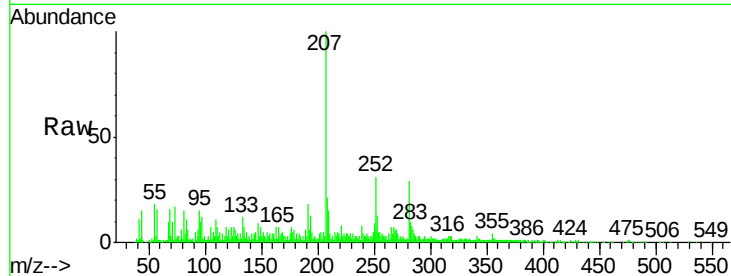
Tgt Ion:252 Resp: 74433

Ion Ratio Lower Upper

252 100

253 42.2 17.7 26.5#

125 21.8 6.6 9.8#



#91

Benzo(g,h,i)perylene

Concen: 1.15 ng/ul

RT: 26.50 min Scan# 4066

Delta R.T. 0.01 min

Lab File: BM007949.D

Acq: 17 Nov 2016 20:52

Tgt Ion:276 Resp: 66420

Ion Ratio Lower Upper

276 100

138 23.8 13.5 20.3#

277 39.8 19.3 28.9#

