

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012208.D
 Acq On : 15 Oct 2017 14:37
 Operator : SJ/JU
 Sample : I5533-09DL2 30X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL2

Quant Time: Oct 16 02:03:39 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 01:56:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	169049	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	750950	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	506498	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1210690	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1014255	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	919938	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	277	0.08	ng/uL	-0.10
5) Phenol-d5	7.00	99	1662	0.12	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	1504	0.18	ng/ul	0.02
9) 2-Chlorophenol-d4	7.36	132	4058	0.35	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	1020	0.09	ng/ul	0.04
19) Nitrobenzene-d5	9.02	128	1215	0.21	ng/ul	0.04
22) 2-Nitrophenol-d4	9.72	143	1184	0.18	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.30	165	2788	0.22	ng/ul	0.06
29) 4-Chloroaniline-d4	10.82	131	2057	0.17	ng/ul	0.06
43) Dimethylphthalate-d6	13.88	166	20521	0.46	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	25855	0.48	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	19260	0.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.32	188	36379	0.61	ng/ul	0.00
76) Pyrene-d10	19.61	212	31792	0.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	22116	0.50	ng/ul	0.01

Target Compounds

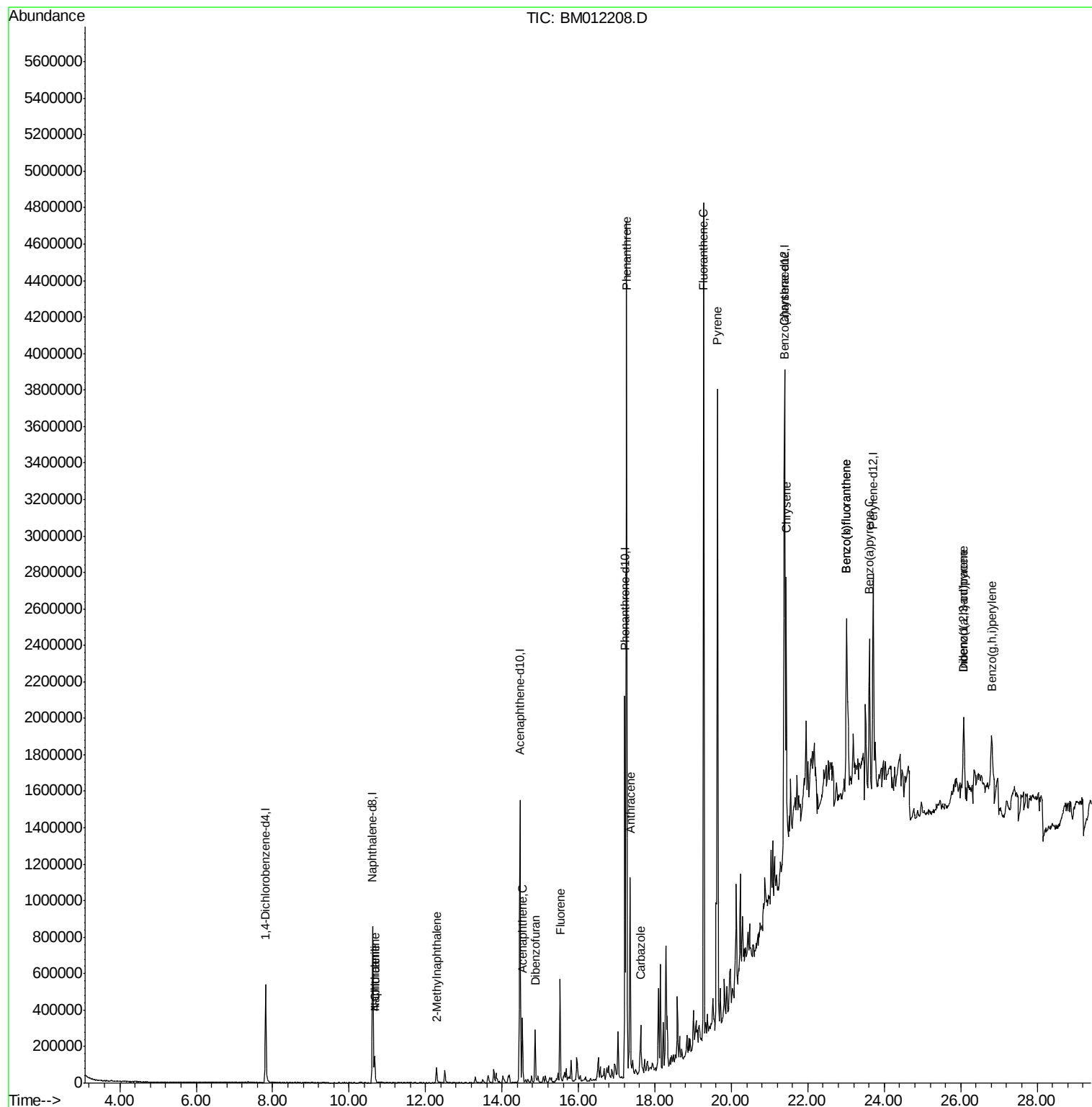
					Ovalue	
28) Naphthalene	10.67	128	116511	2.999	ng/ul	99
30) 4-Chloroaniline	10.67	127	15272	1.298	ng/ul#	26
34) 2-Methylnaphthalene	12.29	142	51733	1.764	ng/ul	94
49) Acenaphthene	14.53	153	144422	4.029	ng/ul	99
53) Dibenzofuran	14.87	168	179802	3.484	ng/ul	95
58) Fluorene	15.52	166	245410	5.726	ng/ul	99
69) Phenanthrene	17.26	178	2865470	41.605	ng/ul	99
71) Anthracene	17.35	178	656845	9.212	ng/ul	97
72) Carbazole	17.63	167	171266	2.838	ng/ul	100
74) Fluoranthene	19.27	202	2733009	32.882	ng/ul#	94
77) Pyrene	19.64	202	2210663	33.003	ng/ul#	94
80) Benzo(a)anthracene	21.38	228	960564	14.555	ng/ul	97
82) Chrysene	21.43	228	800490	12.919	ng/ul	95
85) Benzo(b)fluoranthene	23.01	252	880992	14.675	ng/ul#	98
86) Benzo(k)fluoranthene	23.01	252	880992	15.228	ng/ul#	96
88) Benzo(a)pyrene	23.61	252	632125	11.172	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.08	276	392449	6.531	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.07	278	101869	2.017	ng/ul#	75
91) Benzo(g,h,i)perylene	26.81	276	355202	7.218	ng/ul#	90

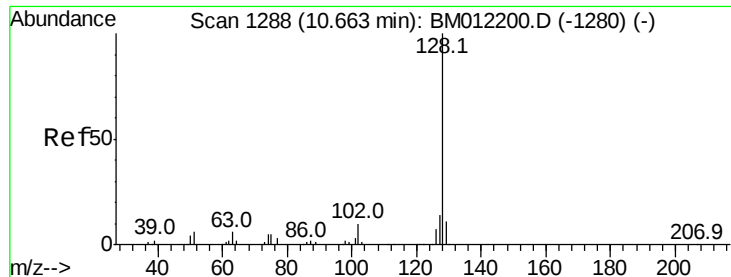
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012208.D
Acq On : 15 Oct 2017 14:37
Operator : SJ/JU
Sample : I5533-09DL2 30X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

Quant Time: Oct 16 02:03:39 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.999 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

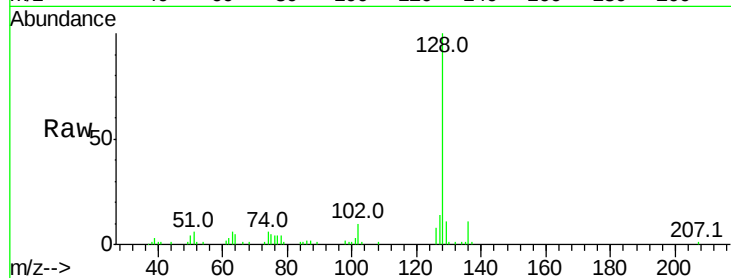
Tot Ion:128 Resp: 116511

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

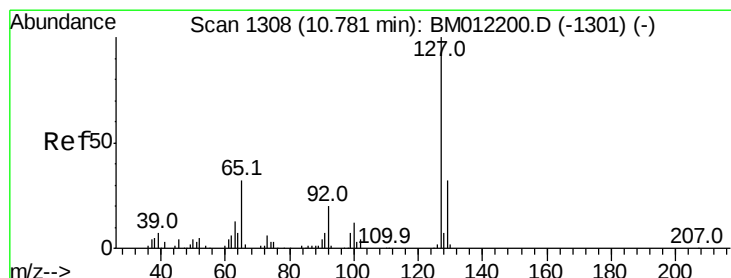
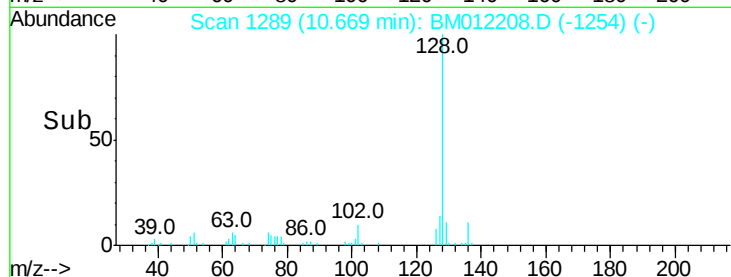
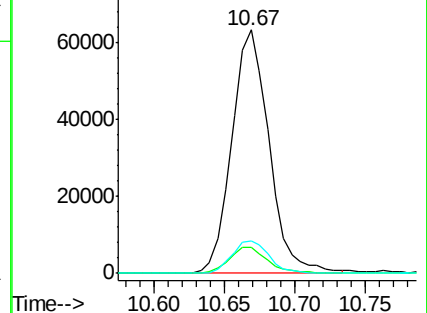
127 13.5 10.6 16.0



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: 1.298 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. -0.11 min

Lab File: BM012208.D

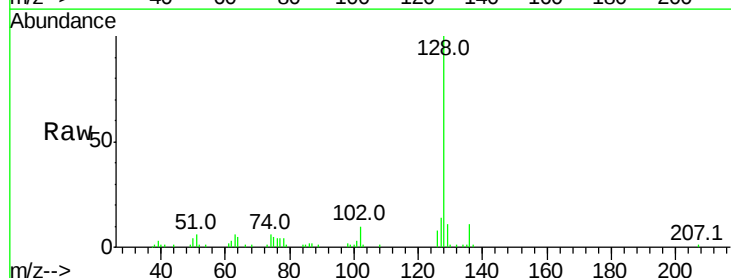
Acq: 15 Oct 2017 14:37

Tgt Ion:127 Resp: 15272

Ion Ratio Lower Upper

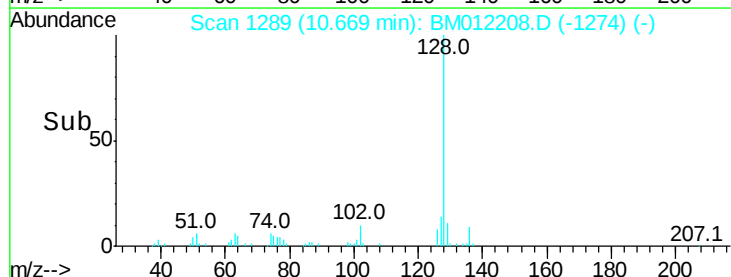
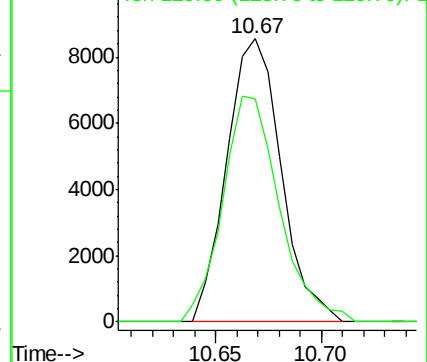
127 100

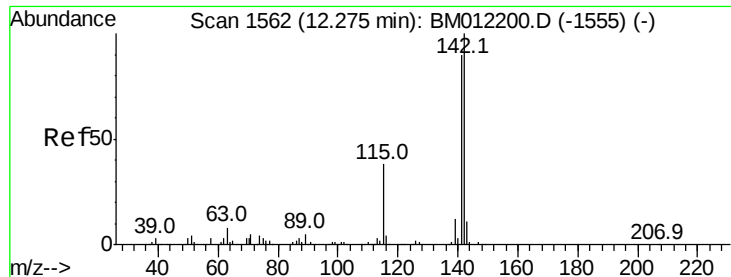
129 78.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

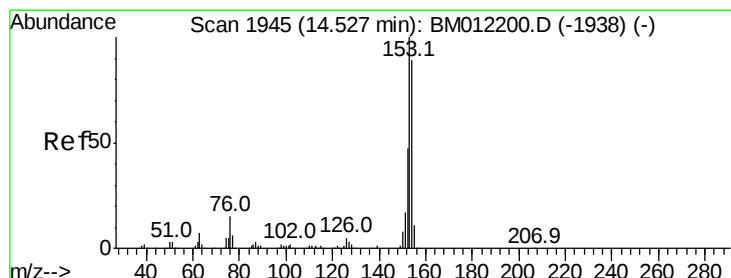
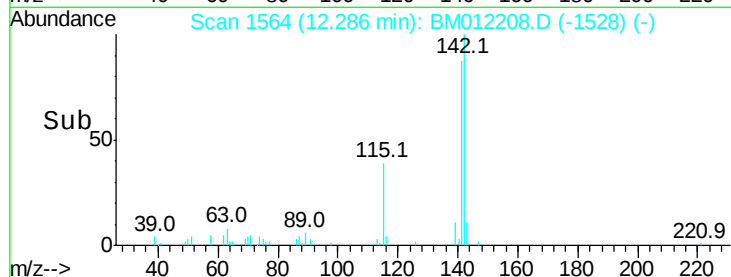
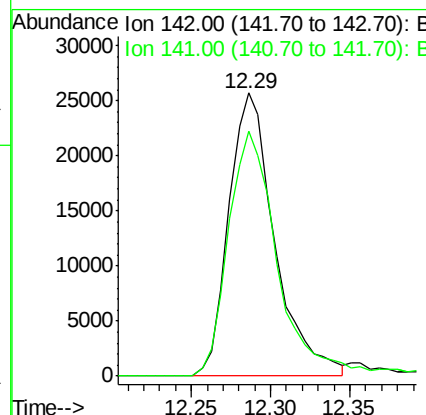
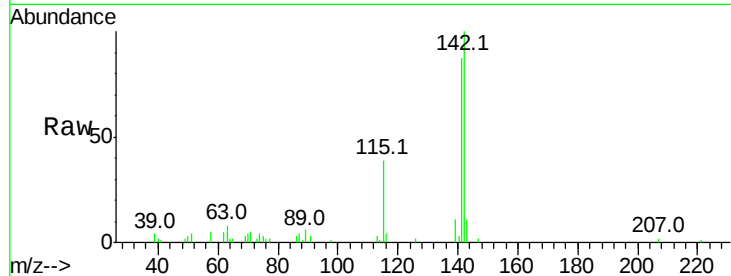




#34
 2-Methylnaphthalene
 Concen: 1.764 ng/ul
 RT: 12.29 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

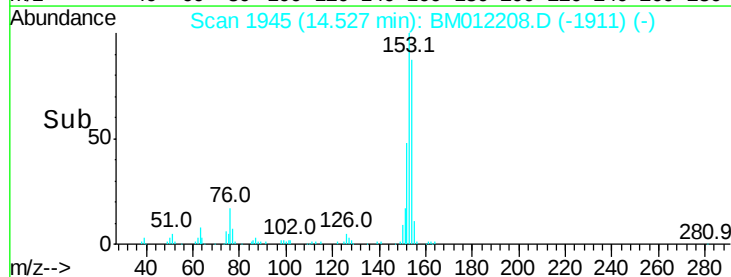
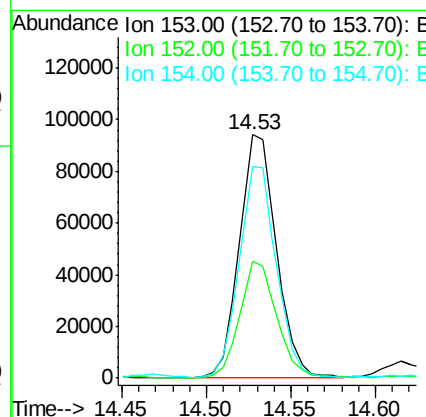
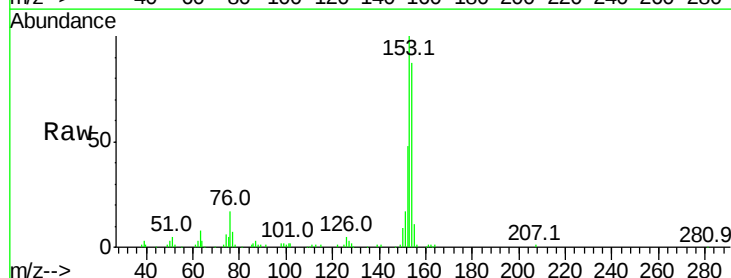
Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL2

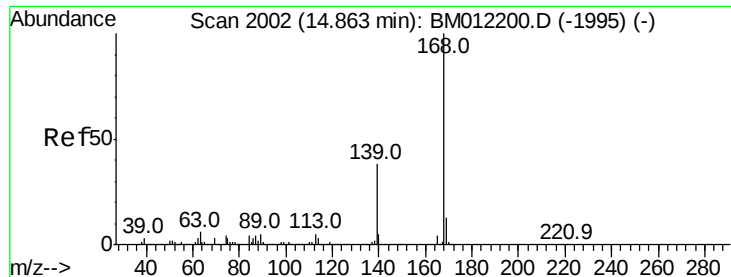
Tot Ion:142 Resp: 51733
 Ion Ratio Lower Upper
 142 100
 141 86.6 74.1 111.1



#49
 Acenaphthene
 Concen: 4.029 ng/ul
 RT: 14.53 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

Tgt Ion:153 Resp: 144422
 Ion Ratio Lower Upper
 153 100
 152 48.1 37.6 56.4
 154 86.7 70.4 105.6





#53

Dibenzenofuran

Concen: 3.484 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

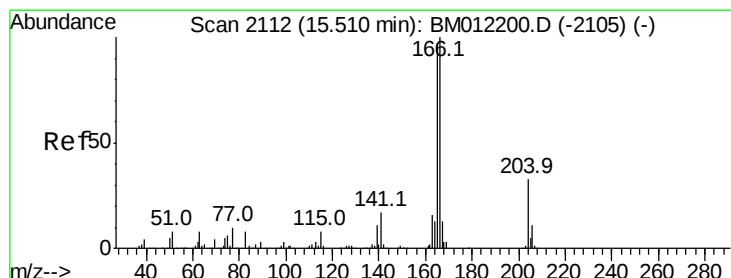
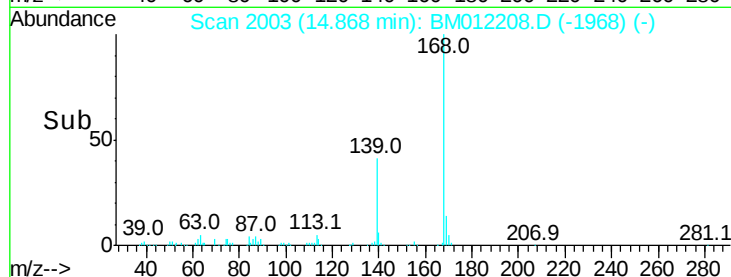
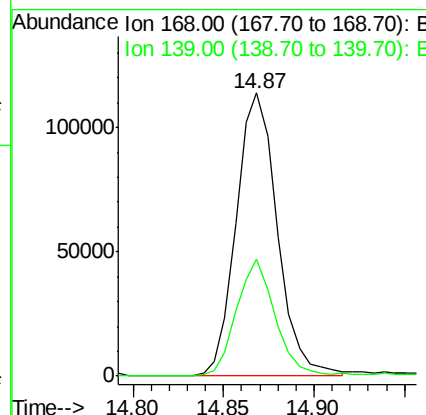
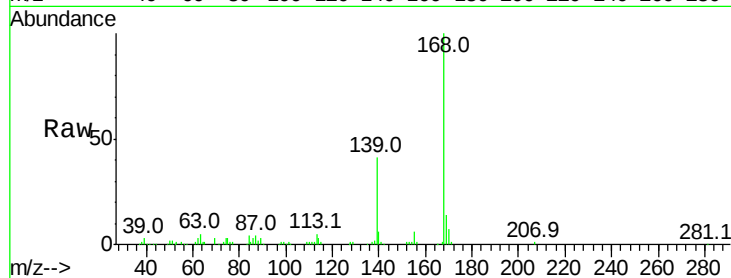
B-54(1-2)-092817DL2

Tot Ion:168 Resp: 179802

Ion Ratio Lower Upper

168 100

139 41.3 30.8 46.2



#58

Fluorene

Concen: 5.726 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

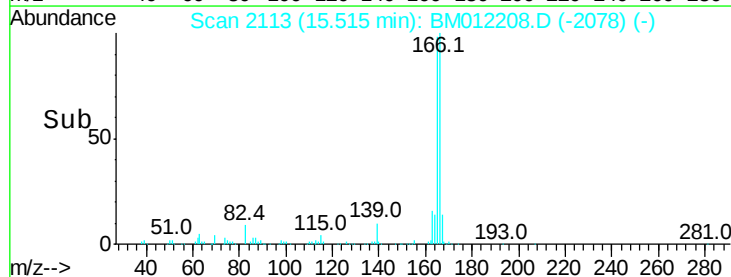
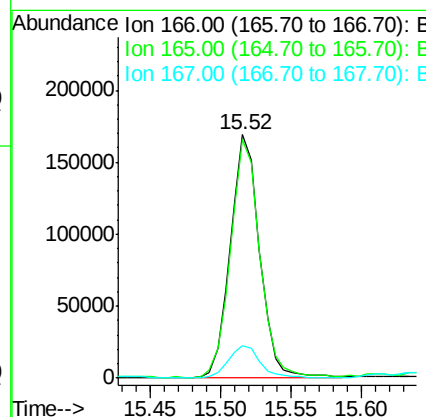
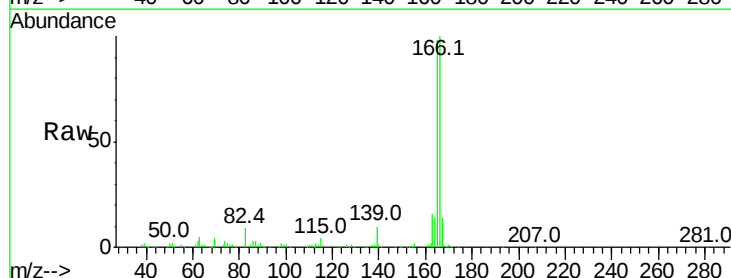
Tgt Ion:166 Resp: 245410

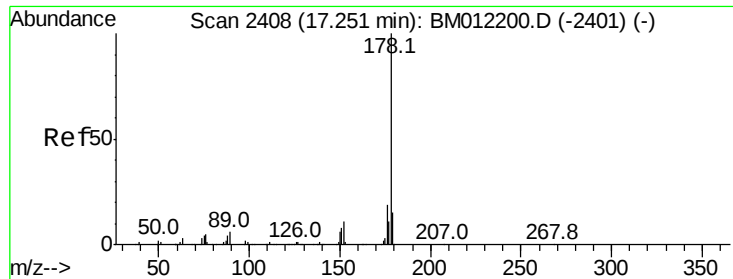
Ion Ratio Lower Upper

166 100

165 98.0 77.9 116.9

167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 41.605 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

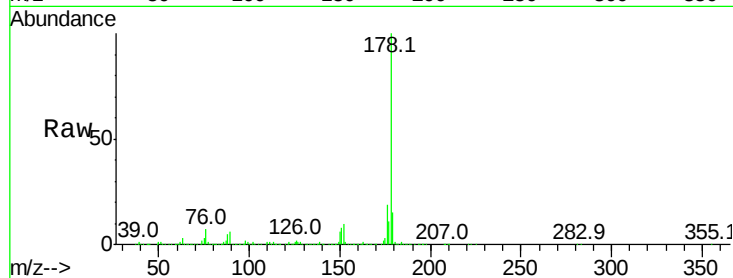
BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

Tot Ion:178 Resp: 2865470

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.9	14.9	22.3

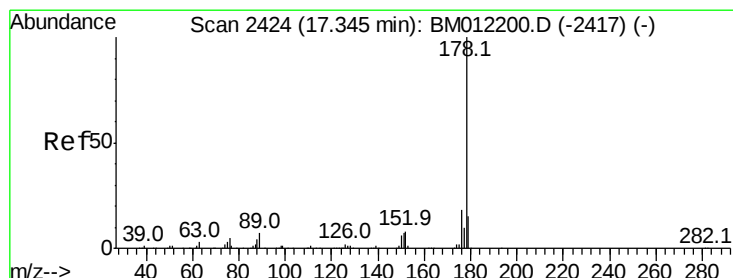
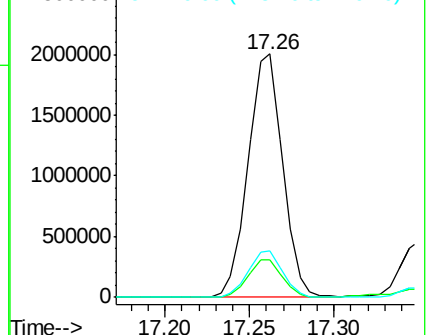
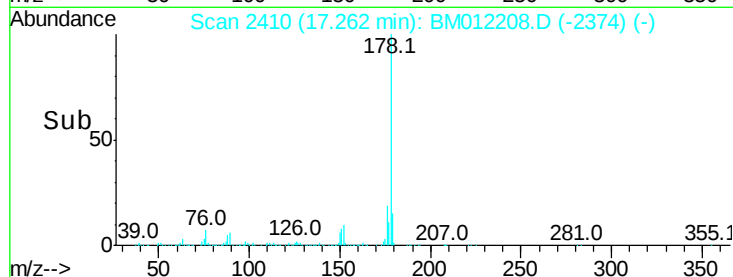


Abundance

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: 9.212 ng/ul

RT: 17.35 min Scan# 2425

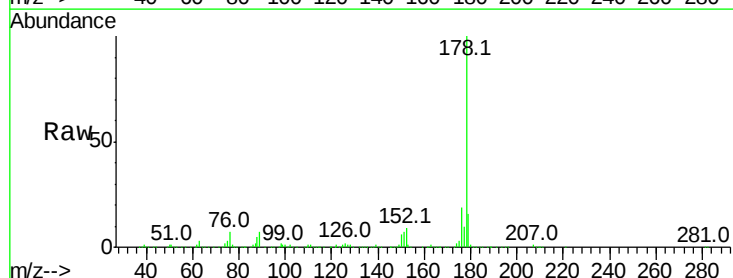
Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Tgt Ion:178 Resp: 656845

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	18.9	14.6	21.8

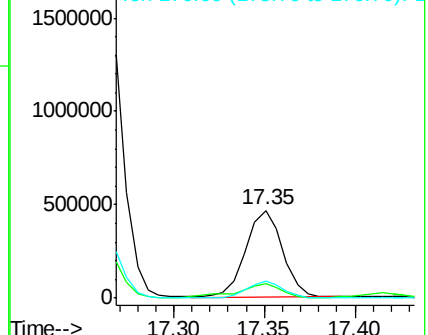
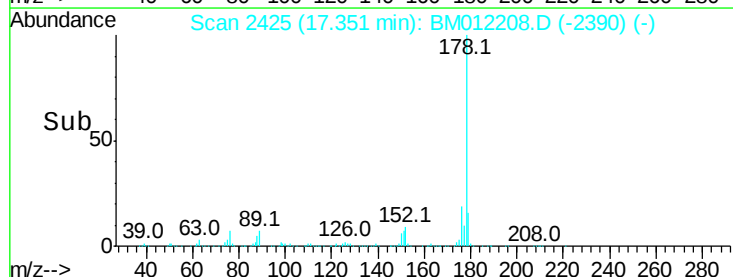


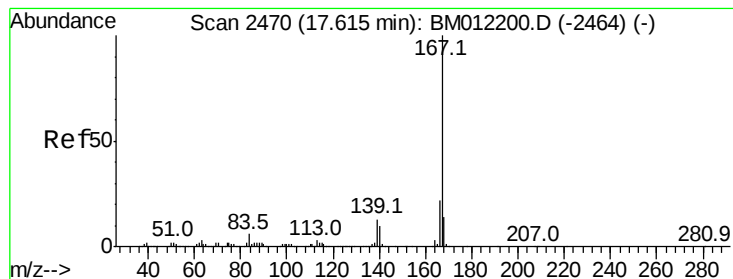
Abundance

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: 2.838 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

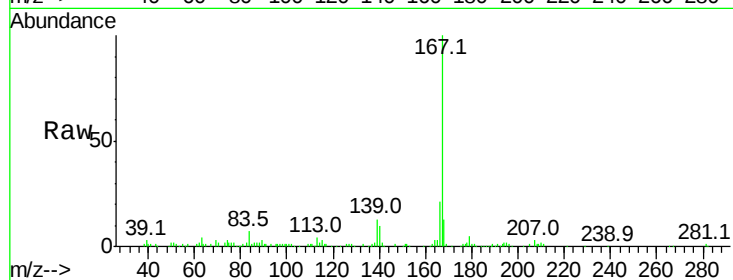
Tot Ion:167 Resp: 171266

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

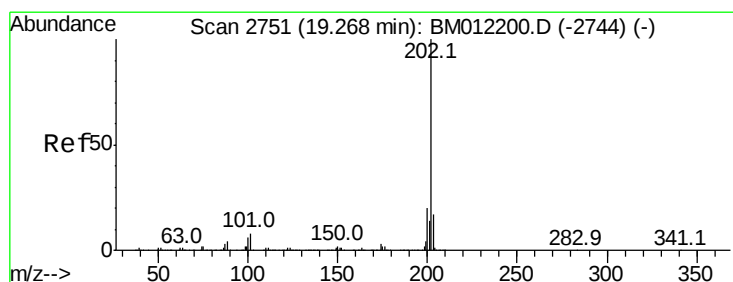
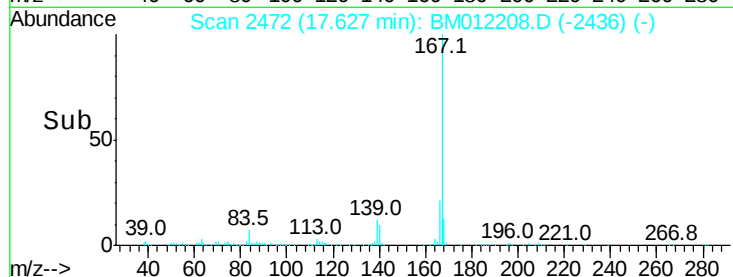
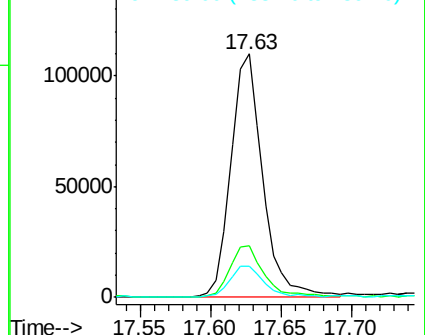
139 12.6 10.0 15.0



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: 32.882 ng/ul

RT: 19.27 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

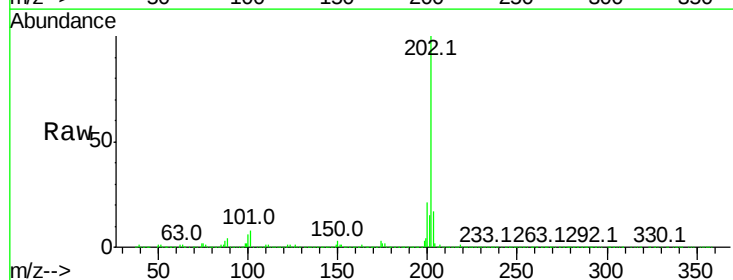
Tgt Ion:202 Resp: 2733009

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

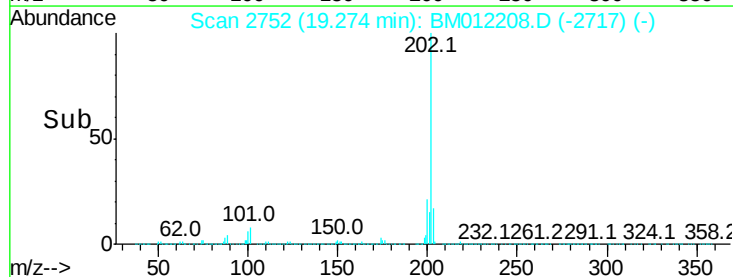
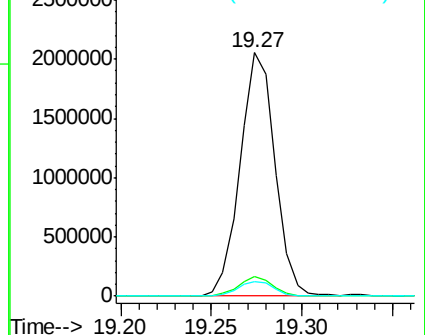
100 6.2 3.4 5.2#

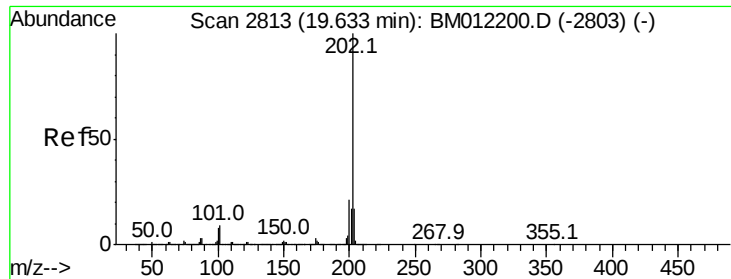


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

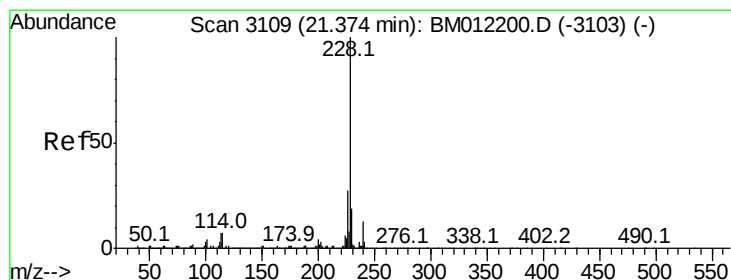
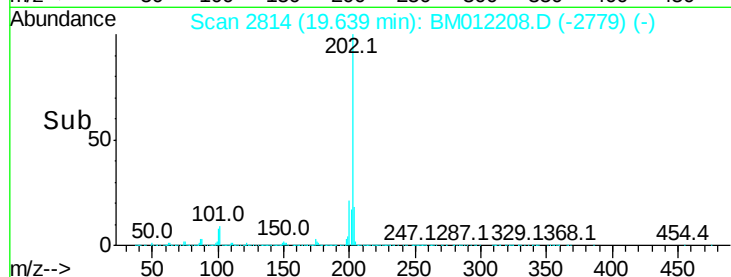
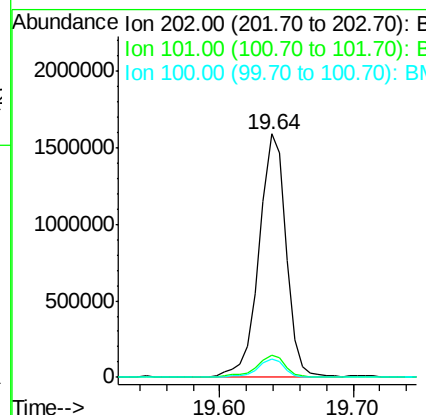
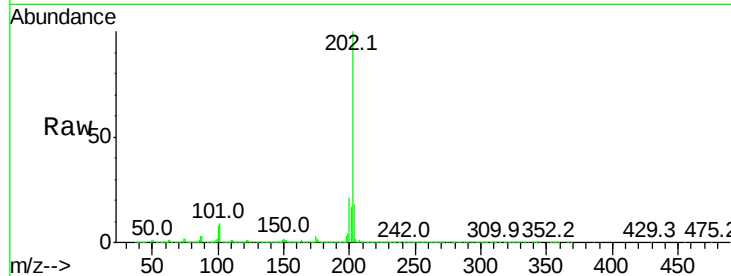




#77
Pvrene
Concen: 33.003 ng/ul
RT: 19.64 min Scan# 2814
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

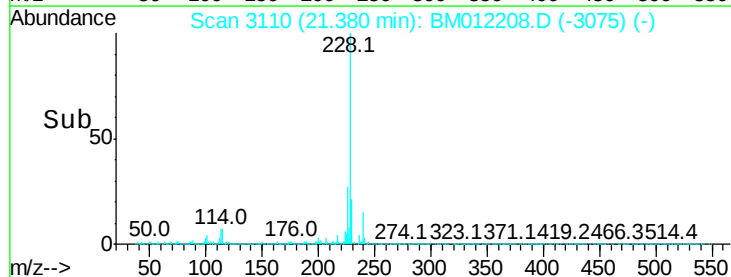
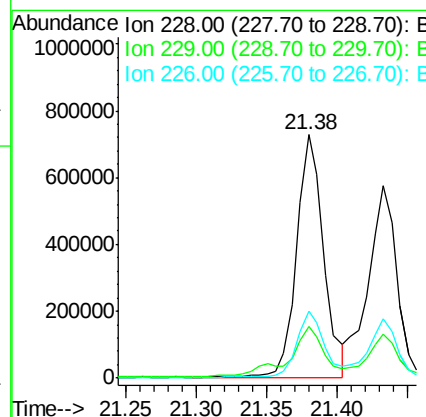
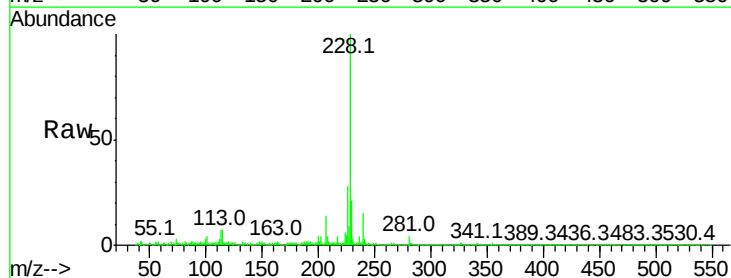
Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

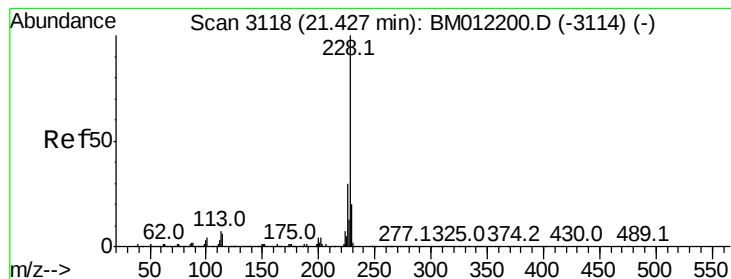
Tot Ion:202 Resp: 2210663
Ion Ratio Lower Upper
202 100
101 9.1 5.1 7.7#
100 7.7 4.9 7.3#



#80
Benzo(a)anthracene
Concen: 14.555 ng/ul
RT: 21.38 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Tgt Ion:228 Resp: 960564
Ion Ratio Lower Upper
228 100
229 21.2 15.4 23.0
226 27.7 21.4 32.0





#82

Chrysene

Concen: 12.919 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

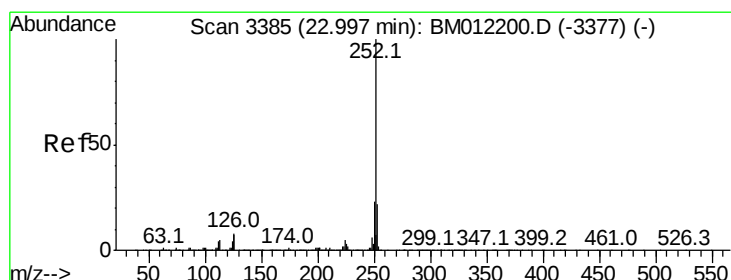
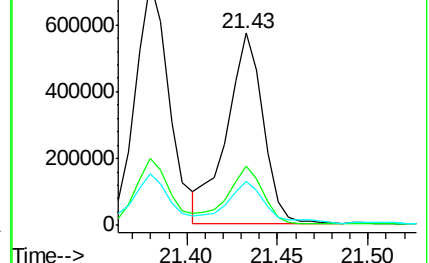
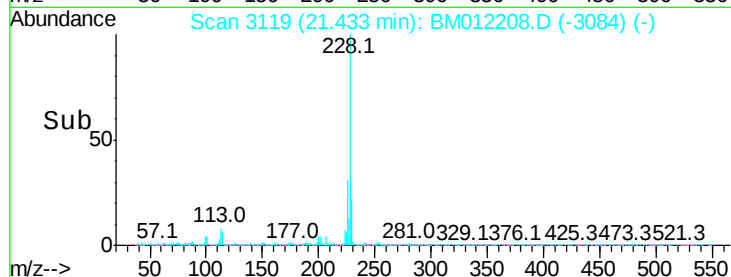
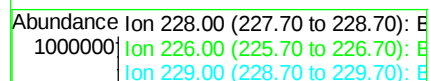
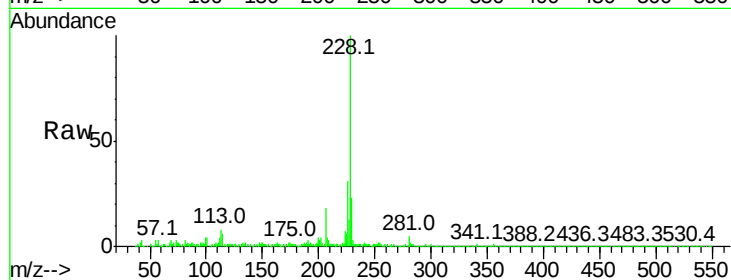
BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

Tot Ion:228 Resp: 800490

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.2	15.5	23.3



#85

Benzo(b)fluoranthene

Concen: 14.675 ng/ul

RT: 23.01 min Scan# 3388

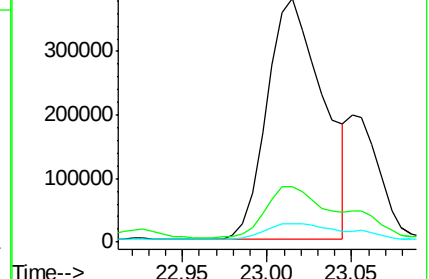
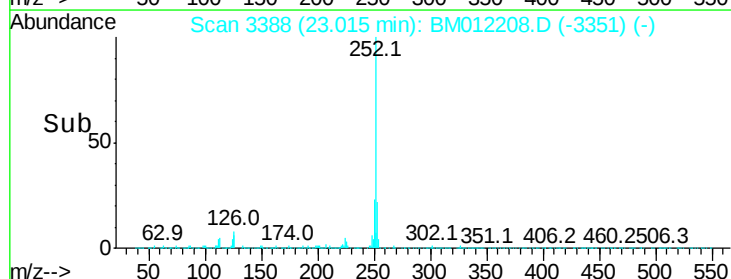
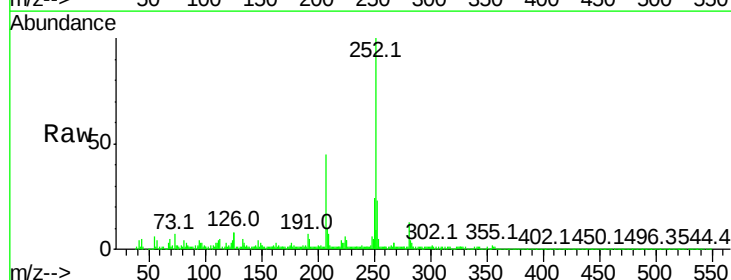
Delta R.T. 0.02 min

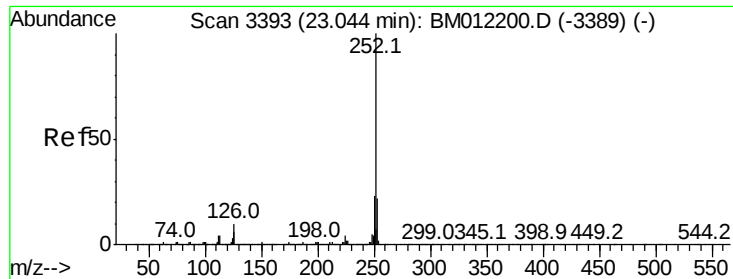
Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Tgt Ion:252 Resp: 880992

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	7.5	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 15.228 ng/ul

RT: 23.01 min Scan# 3388

Delta R.T. -0.03 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

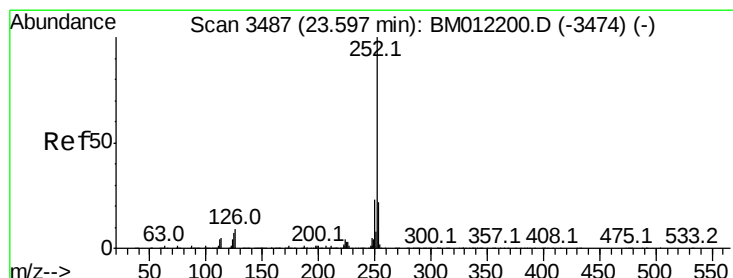
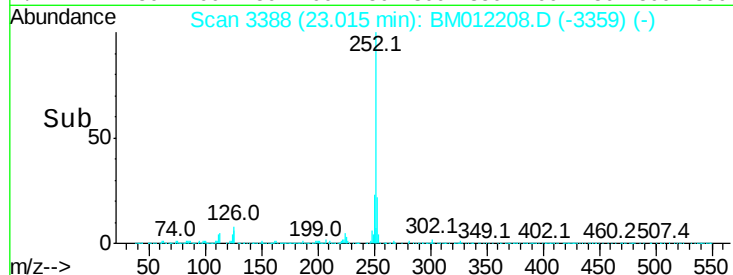
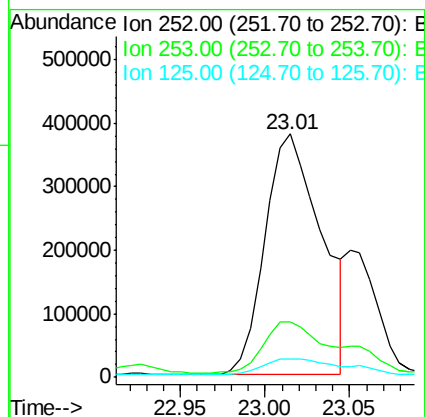
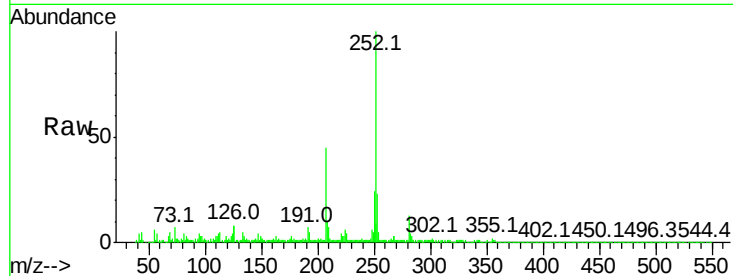
Tot Ion:252 Resp: 880992

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 7.5 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 11.172 ng/ul

RT: 23.61 min Scan# 3489

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

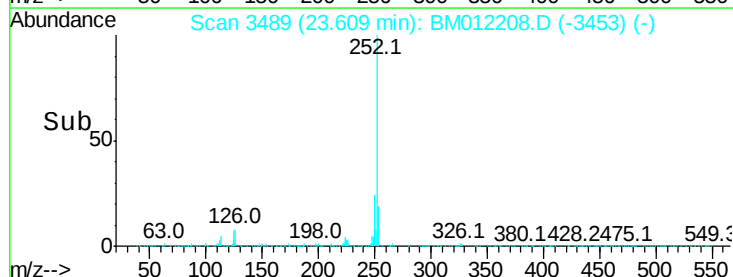
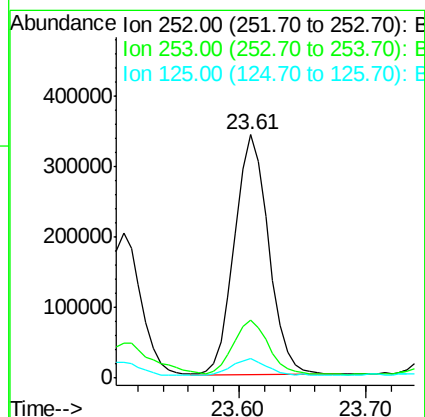
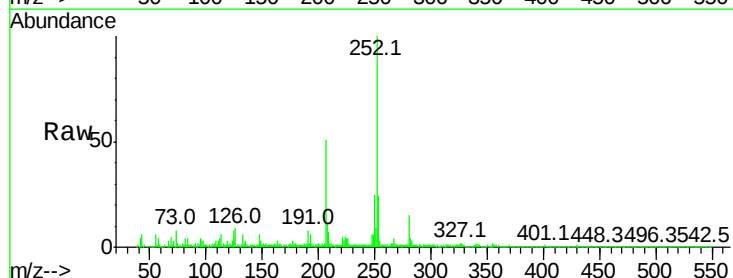
Tgt Ion:252 Resp: 632125

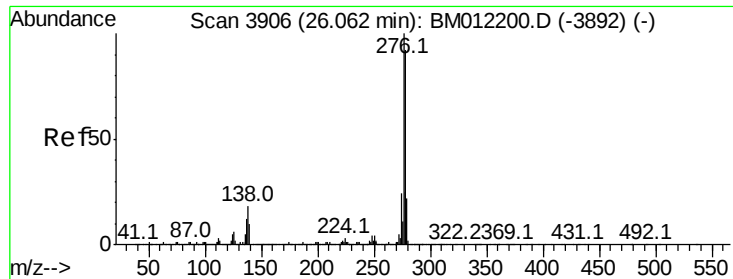
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 8.1 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.531 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

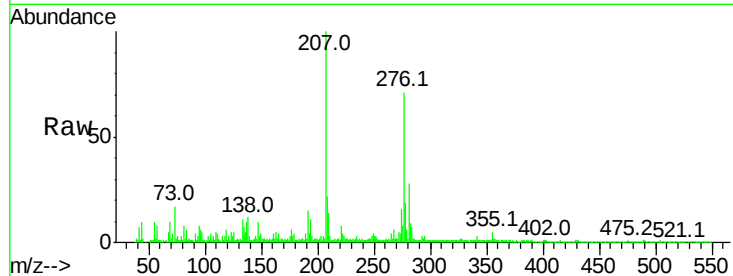
Tot Ion:276 Resp: 392449

Ion Ratio Lower Upper

276 100

138 16.7 9.3 13.9#

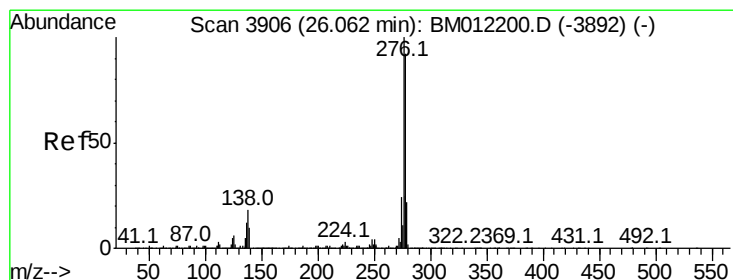
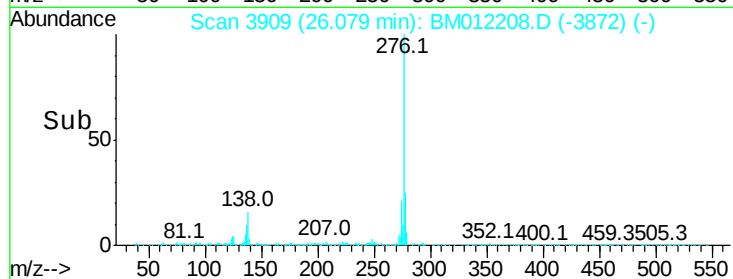
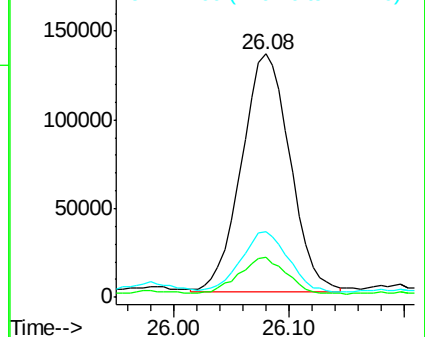
277 27.0 19.9 29.9



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: 2.017 ng/ul

RT: 26.07 min Scan# 3908

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

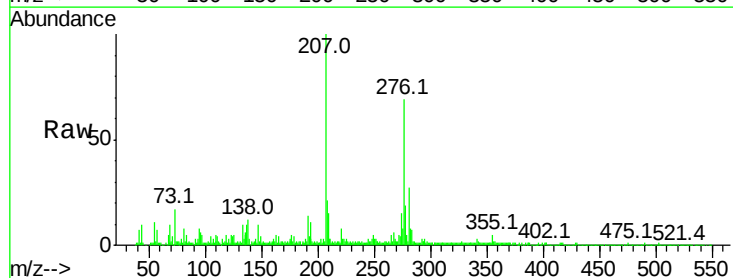
Tgt Ion:278 Resp: 101869

Ion Ratio Lower Upper

278 100

139 19.8 5.8 8.8#

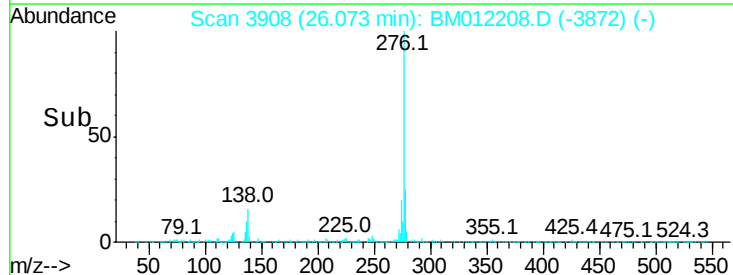
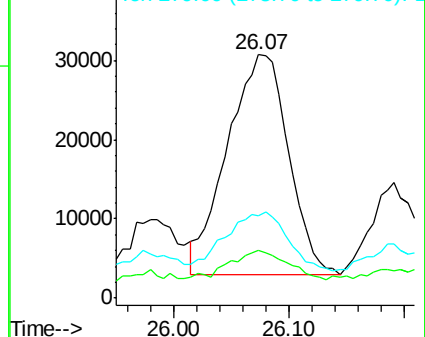
279 34.0 18.6 27.8#

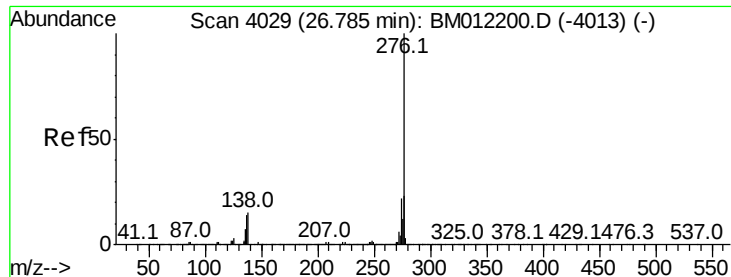


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.218 ng/ul

RT: 26.81 min Scan# 4033

Delta R.T. 0.02 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

ClientSampleId :

B-54(1-2)-092817DL2

Tot Ion:276 Resp: 355202

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 27.7 18.6 28.0

