

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012209.D
 Acq On : 15 Oct 2017 15:14
 Operator : SJ/JU
 Sample : I556801DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-53(1-3)-092817DL

Quant Time: Oct 16 02:03:57 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	163596	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	694967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	444120	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1049537	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	783886	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	763558	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	343	0.10	ng/uL	0.00
5) Phenol-d5	7.00	99	4824	0.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	4419	0.56	ng/ul	0.02
9) 2-Chlorophenol-d4	7.35	132	6552	0.58	ng/ul	0.01
13) 4-Methylphenol-d8	8.56	113	4834	0.42	ng/ul	0.04
19) Nitrobenzene-d5	9.00	128	1191	0.22	ng/ul	0.02
22) 2-Nitrophenol-d4	9.72	143	2660	0.43	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	1789	0.15	ng/ul	0.04
29) 4-Chloroaniline-d4	10.80	131	227	0.02	ng/ul	0.04
43) Dimethylphthalate-d6	13.87	166	33733	0.86	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	38791	0.82	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	29535	0.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.32	188	49730	0.96	ng/ul	0.00
76) Pyrene-d10	19.61	212	46082	1.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	30900	0.84	ng/ul	0.01

Target Compounds

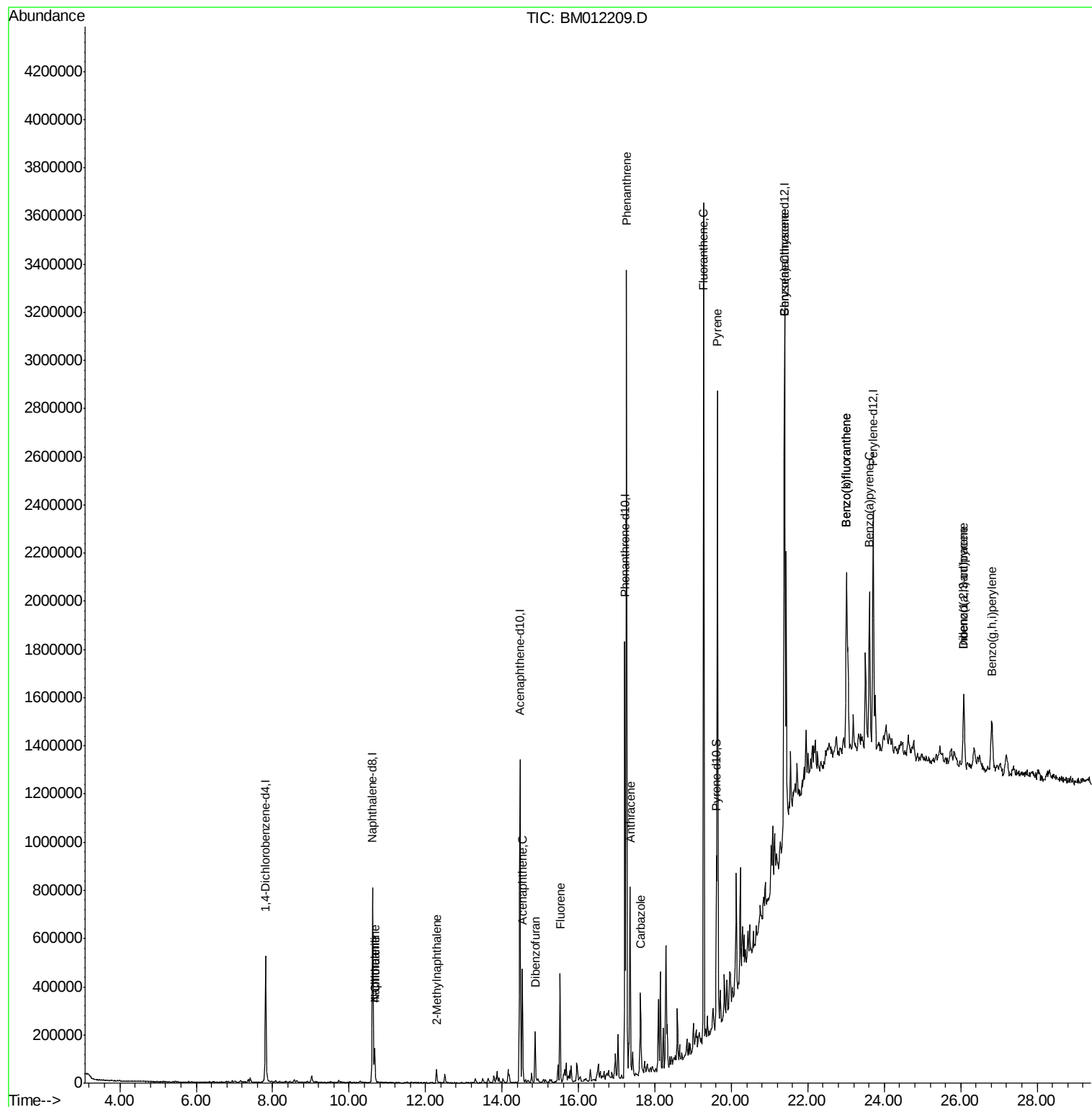
					Ovalue	
28) Naphthalene	10.67	128	118322	3.291	ng/ul	99
30) 4-Chloroaniline	10.67	127	15434	1.417	ng/ul#	12
34) 2-Methylnaphthalene	12.29	142	33161	1.222	ng/ul	95
49) Acenaphthene	14.53	153	197858	6.296	ng/ul	97
53) Dibenzofuran	14.87	168	135710	2.999	ng/ul	97
58) Fluorene	15.52	166	201598	5.364	ng/ul	97
69) Phenanthrene	17.26	178	2024255	33.904	ng/ul	100
71) Anthracene	17.35	178	517935	8.379	ng/ul	98
72) Carbazole	17.62	167	217416	4.156	ng/ul	99
74) Fluoranthene	19.27	202	2067351	28.692	ng/ul#	95
77) Pyrene	19.64	202	1637754	31.636	ng/ul#	96
80) Benzo(a)anthracene	21.38	228	702574	13.774	ng/ul	98
82) Chrysene	21.38	228	703418	14.689	ng/ul	97
85) Benzo(b)fluoranthene	23.01	252	724302	14.536	ng/ul#	97
86) Benzo(k)fluoranthene	23.01	252	724302	15.084	ng/ul#	95
88) Benzo(a)pyrene	23.61	252	511950	10.901	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	301328	6.042	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.08	278	80648	1.924	ng/ul#	80
91) Benzo(g,h,i)perylene	26.81	276	270828	6.630	ng/ul#	93

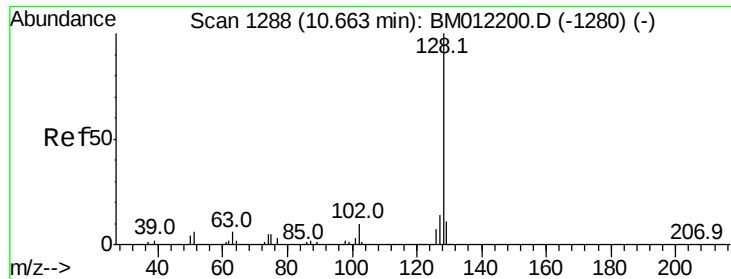
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 3.291 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

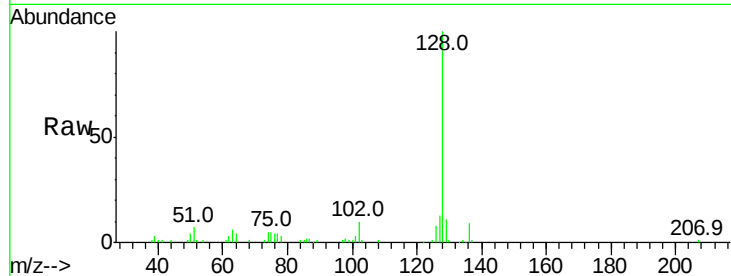
Tot Ion:128 Resp: 118322

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

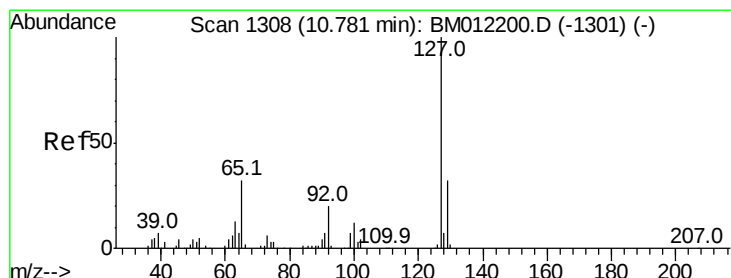
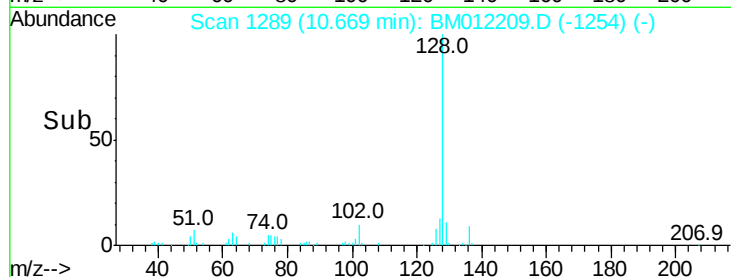
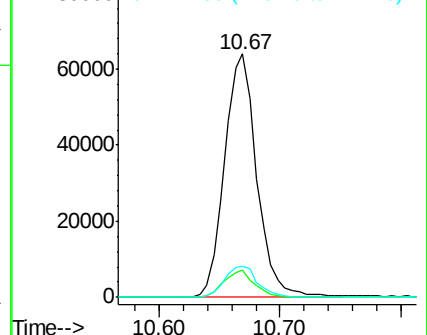
127 12.9 10.6 16.0



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: 1.417 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. -0.11 min

Lab File: BM012209.D

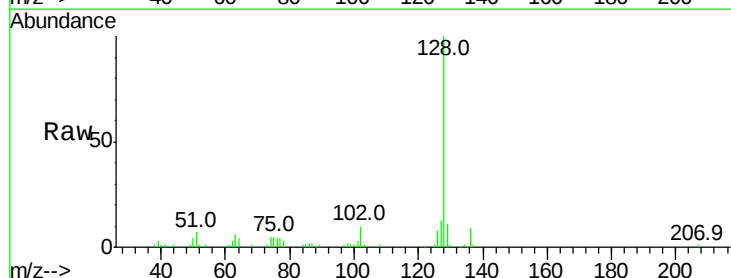
Acq: 15 Oct 2017 15:14

Tgt Ion:127 Resp: 15434

Ion Ratio Lower Upper

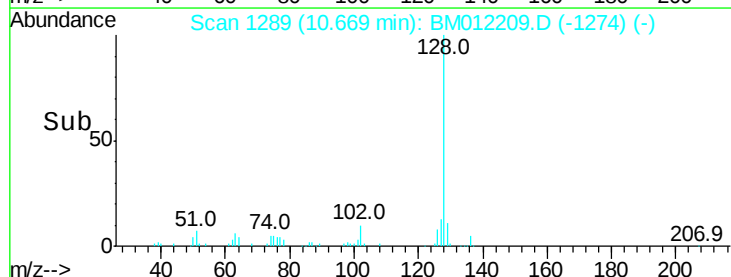
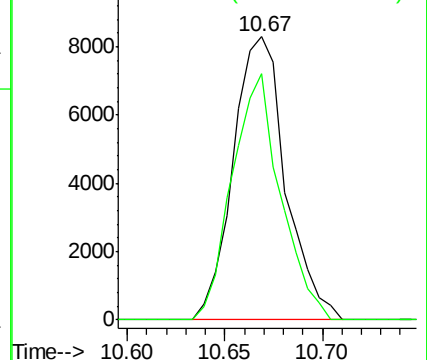
127 100

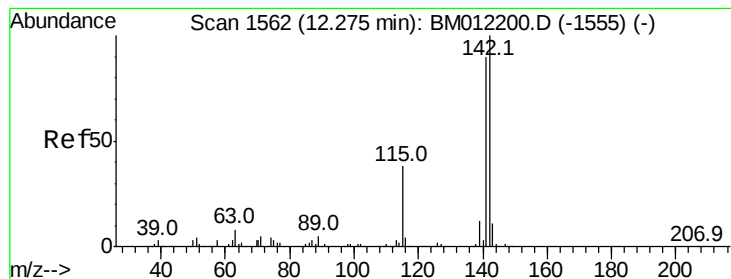
129 87.1 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 1.222 ng/ul

RT: 12.29 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

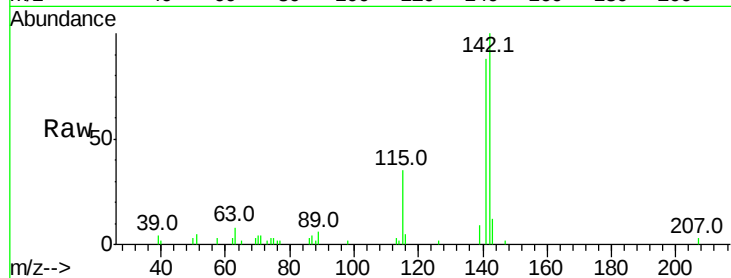
B-53(1-3)-092817DL

Tot Ion:142 Resp: 33161

Ion Ratio Lower Upper

142 100

141 88.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

20000

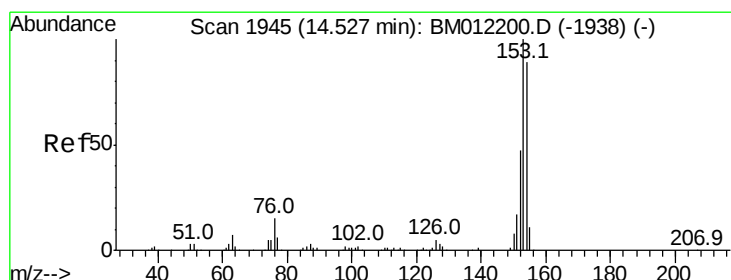
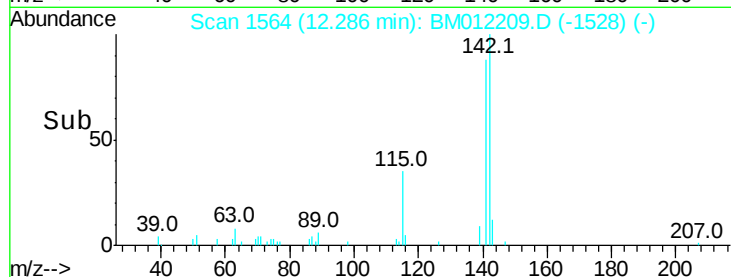
15000

10000

5000

0

Time-->



#49

Acenaphthene

Concen: 6.296 ng/ul

RT: 14.53 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

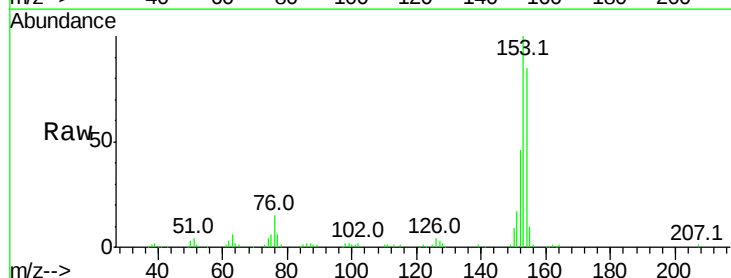
Tgt Ion:153 Resp: 197858

Ion Ratio Lower Upper

153 100

152 45.7 37.6 56.4

154 84.5 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

14.53

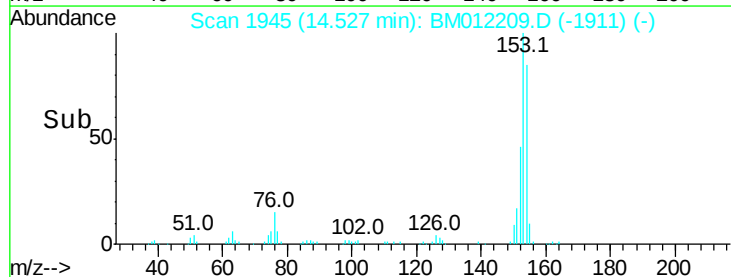
150000

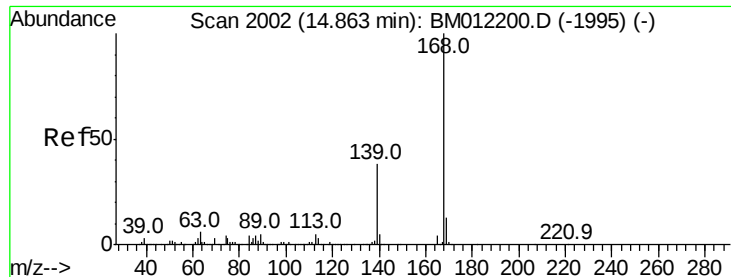
100000

50000

0

Time-->





#53

Dibenzofuran

Concen: 2.999 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

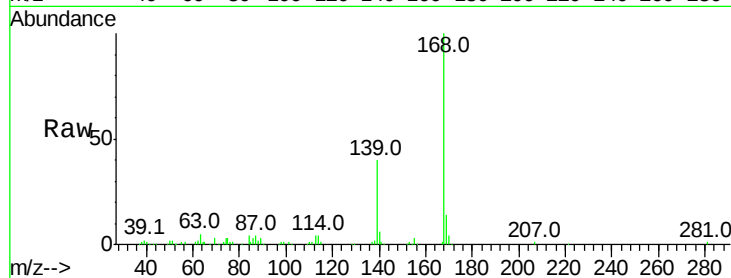
B-53(1-3)-092817DL

Tot Ion:168 Resp: 135710

Ion Ratio Lower Upper

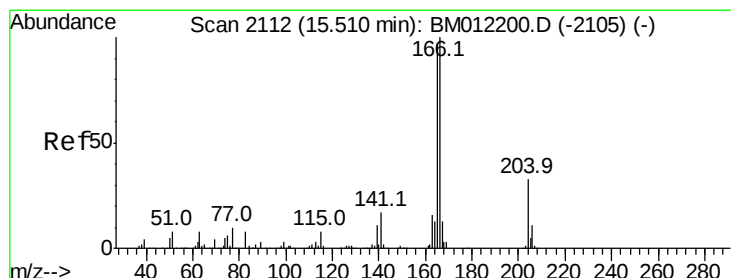
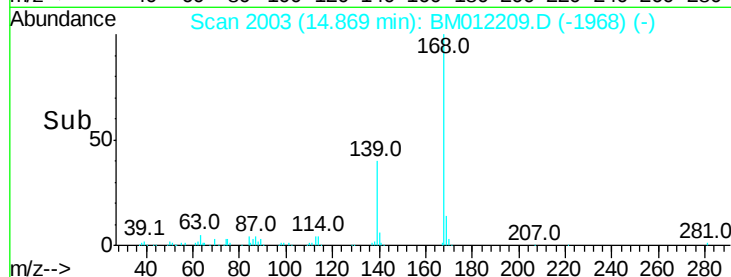
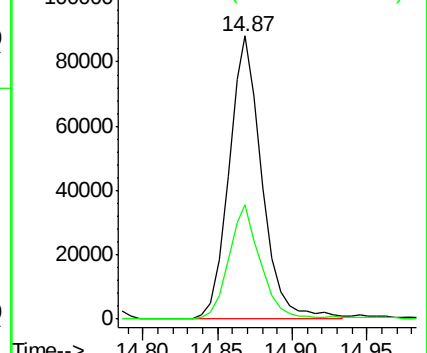
168 100

139 40.2 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: 5.364 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

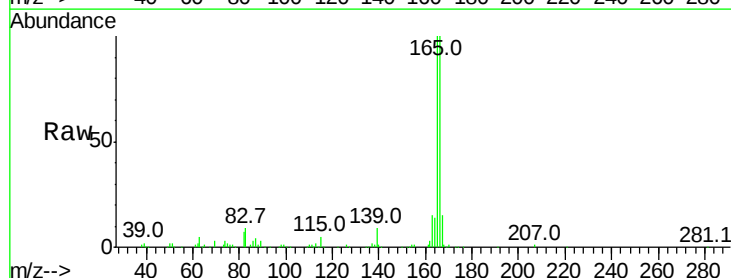
Tgt Ion:166 Resp: 201598

Ion Ratio Lower Upper

166 100

165 99.8 77.9 116.9

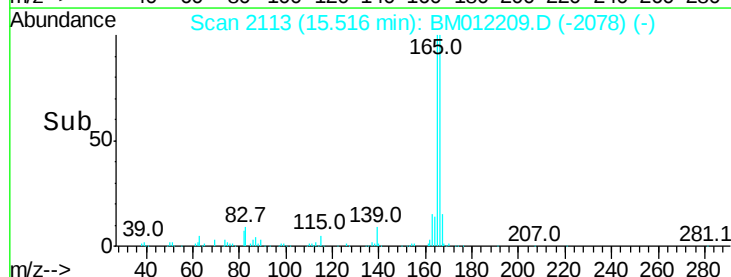
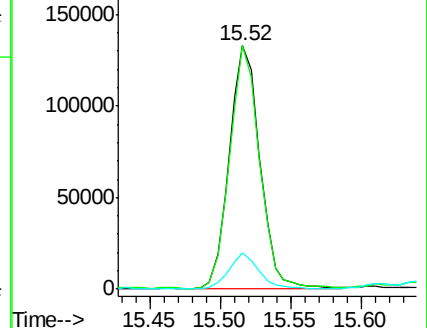
167 14.8 10.6 16.0

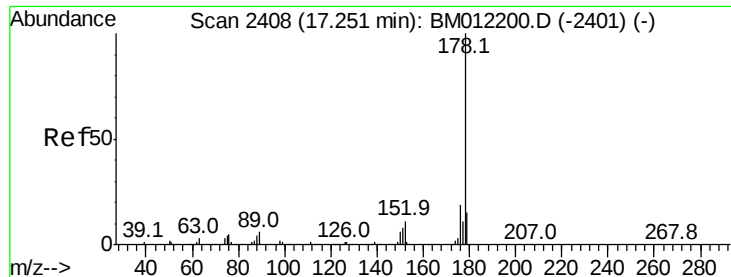


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 33.904 ng/ul

RT: 17.26 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

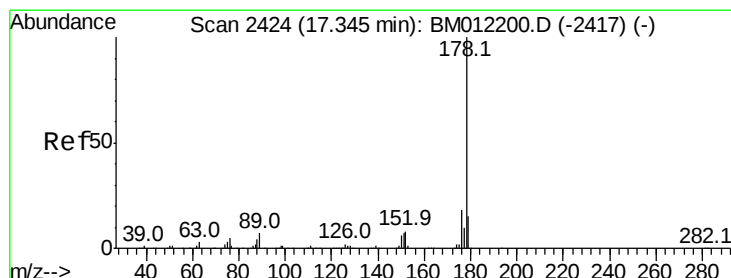
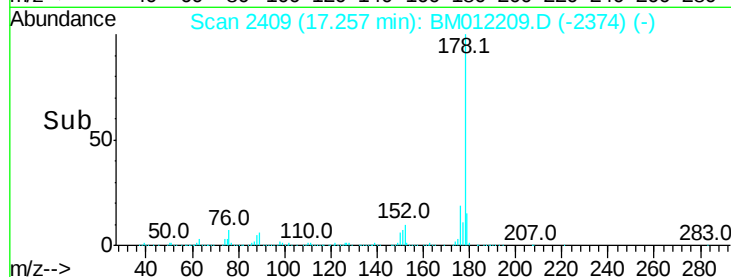
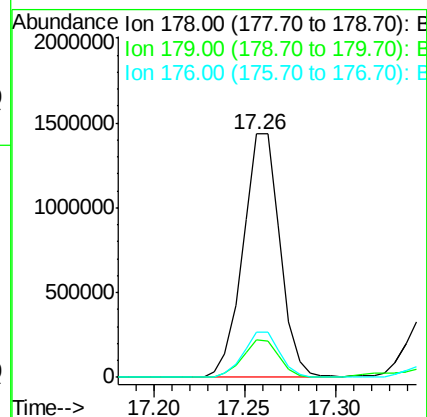
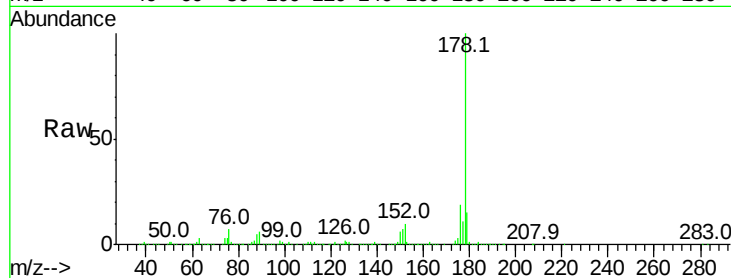
Tot Ion:178 Resp: 2024255

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 18.6 14.9 22.3



#71

Anthracene

Concen: 8.379 ng/ul

RT: 17.35 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

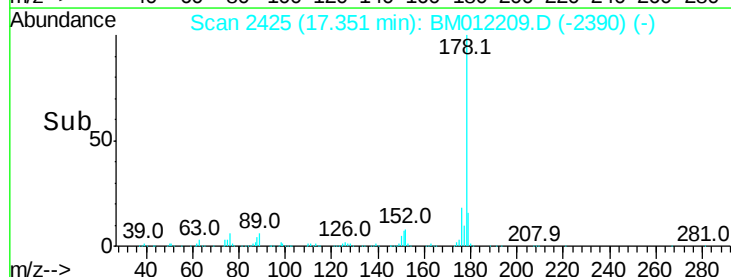
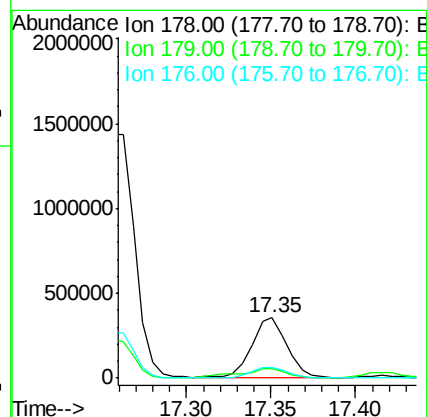
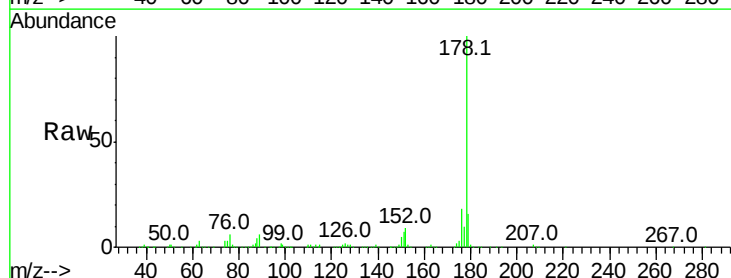
Tgt Ion:178 Resp: 517935

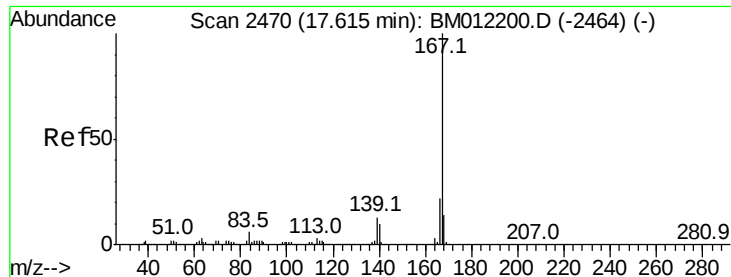
Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

176 18.0 14.6 21.8

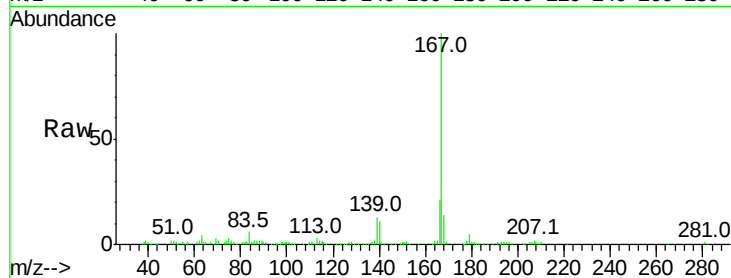




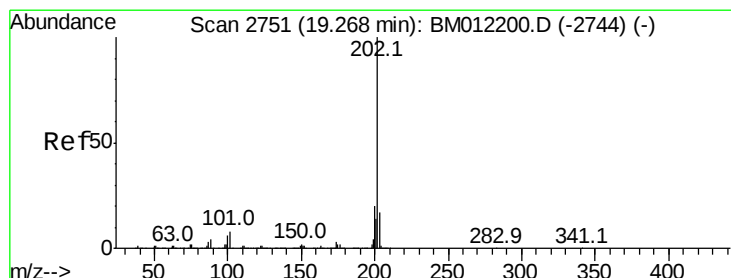
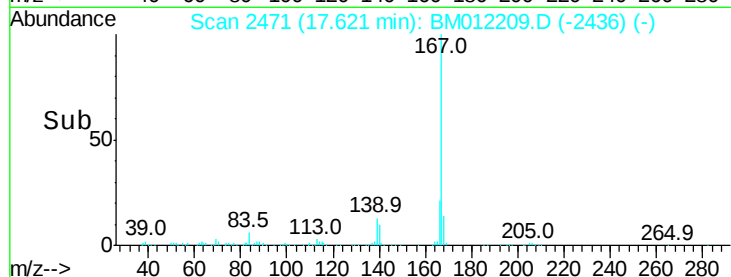
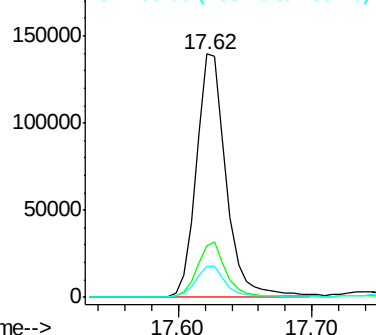
#72
 Carbazole
 Concen: 4.156 ng/ul
 RT: 17.62 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BM012209.D
 Acq: 15 Oct 2017 15:14

Instrument :
 BNA_M
 ClientSampleId :
 B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.9	10.0	15.0

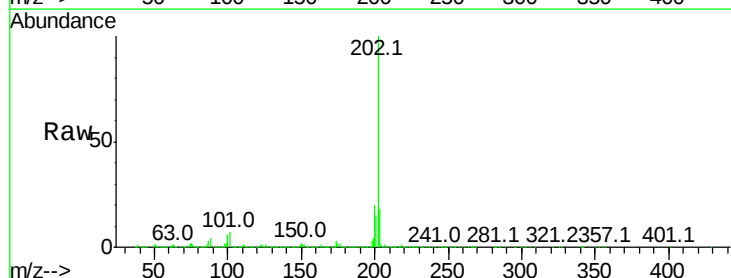


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

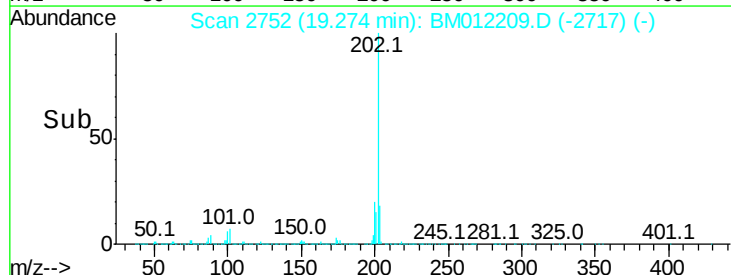
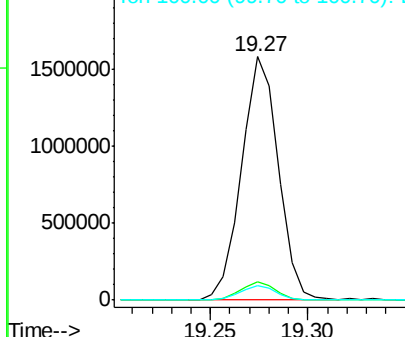


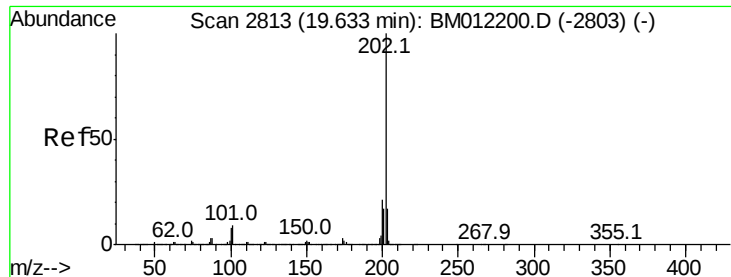
#74
 Fluoranthene
 Concen: 28.692 ng/ul
 RT: 19.27 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BM012209.D
 Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	4.6	7.0#
100	6.1	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

Pvrene

Concen: 31.636 ng/ul

RT: 19.64 min Scan# 2814

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

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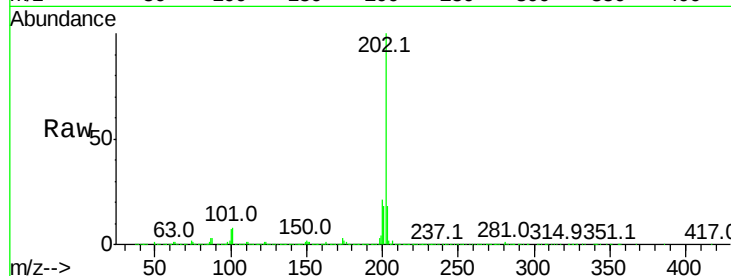
Tot Ion:202 Resp: 1637754

Ion	Ratio	Lower	Upper
202	100		
101	8.4	5.1	7.7#
100	6.8	4.9	7.3

202 100

101 8.4 5.1 7.7#

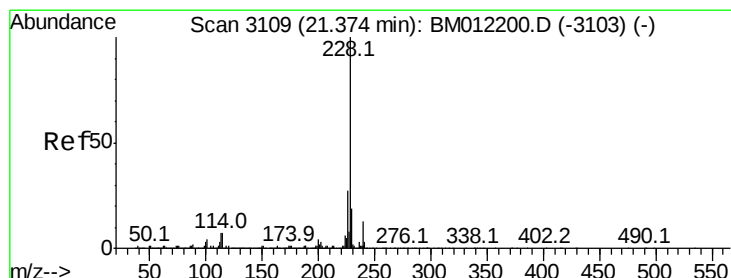
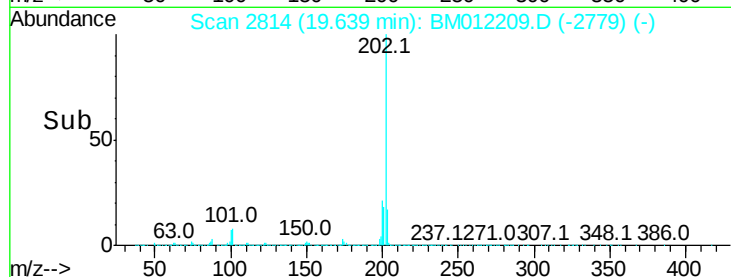
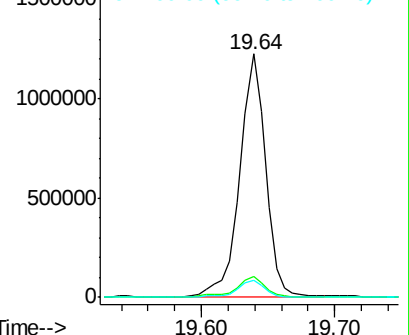
100 6.8 4.9 7.3



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



#80

Benzo(a)anthracene

Concen: 13.774 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

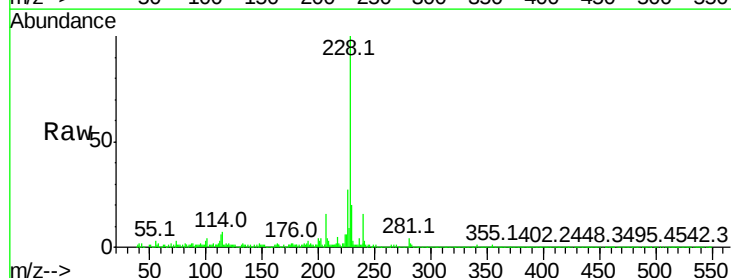
Tgt Ion:228 Resp: 702574

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.0
226	27.4	21.4	32.0

228 100

229 20.5 15.4 23.0

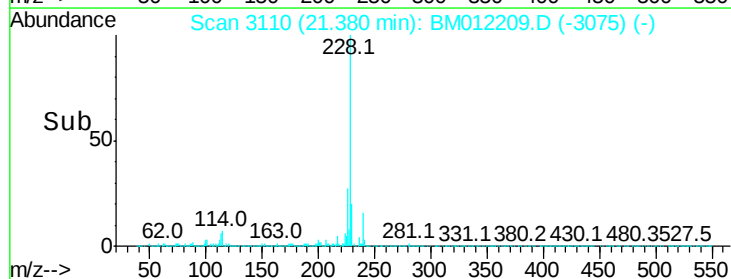
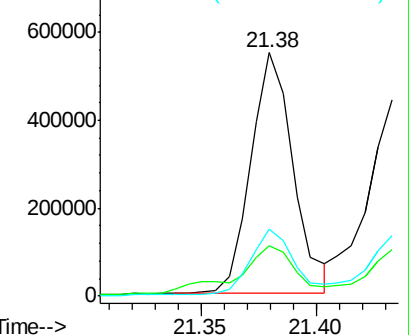
226 27.4 21.4 32.0

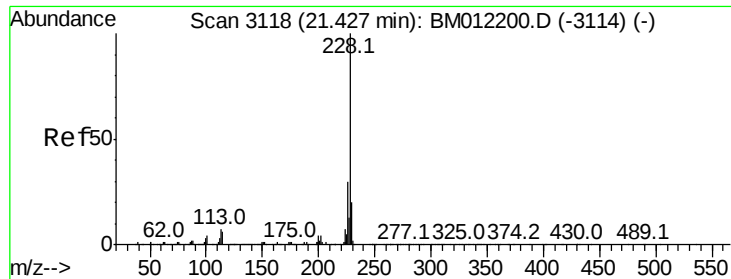


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.689 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. -0.05 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

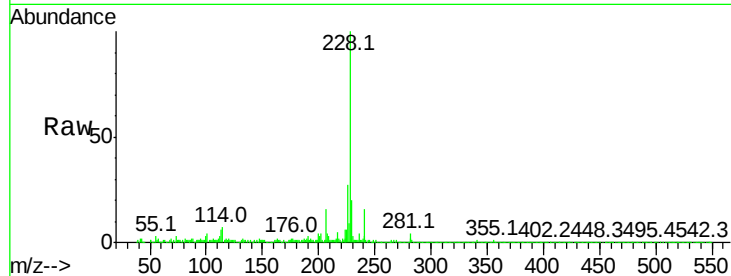
Tot Ion:228 Resp: 703418

Ion Ratio Lower Upper

228 100

226 27.4 23.4 35.2

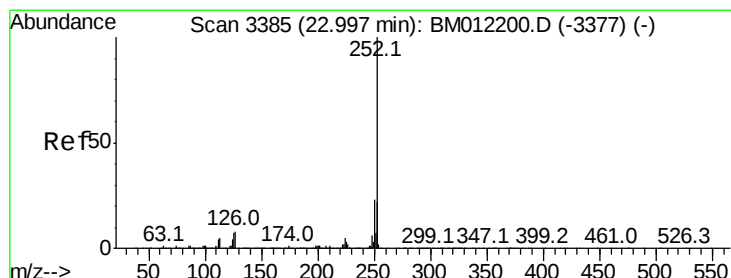
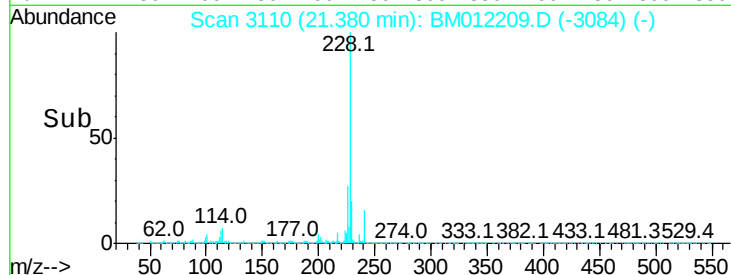
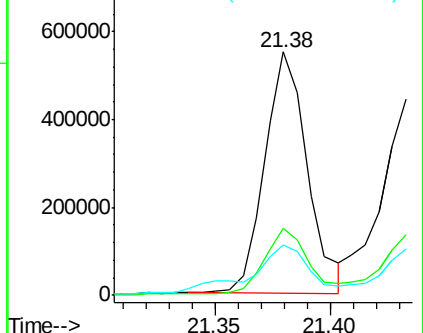
229 20.5 15.5 23.3



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: 14.536 ng/ul

RT: 23.01 min Scan# 3387

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

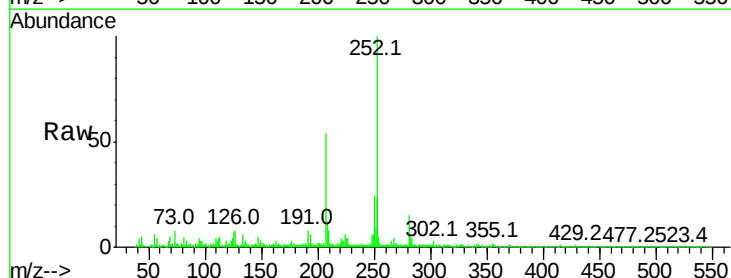
Tgt Ion:252 Resp: 724302

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

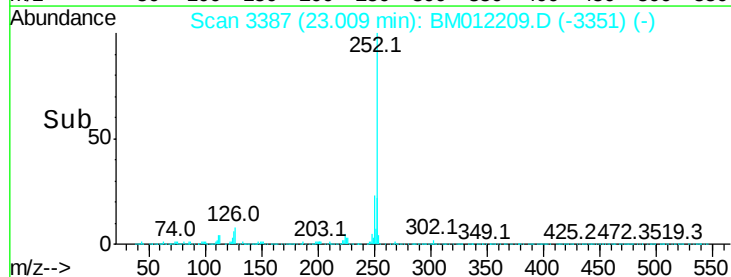
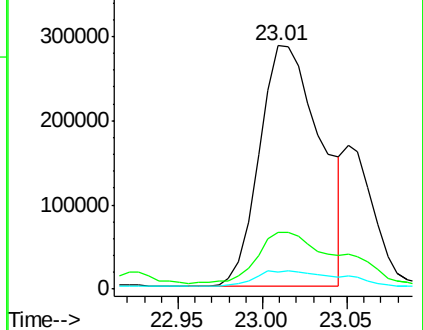
125 7.2 3.6 5.4#

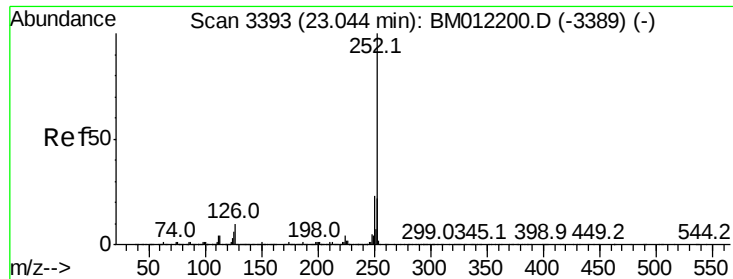


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 15.084 ng/ul

RT: 23.01 min Scan# 3387

Delta R.T. -0.04 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

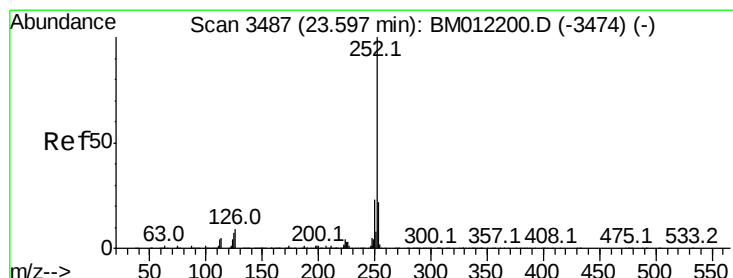
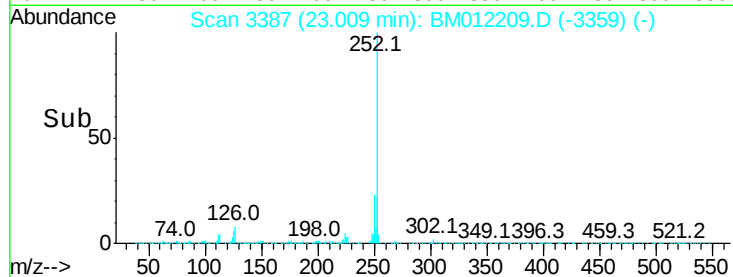
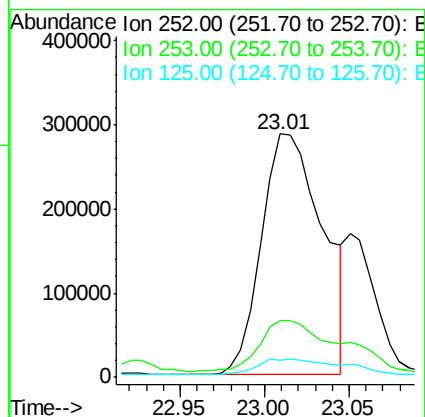
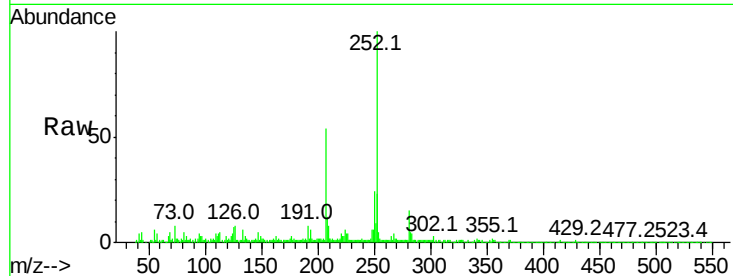
Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

Tot Ion:	252	Resp:	724302
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	7.2	3.4	5.2#



#88

Benzo(a)pyrene

Concen: 10.901 ng/ul

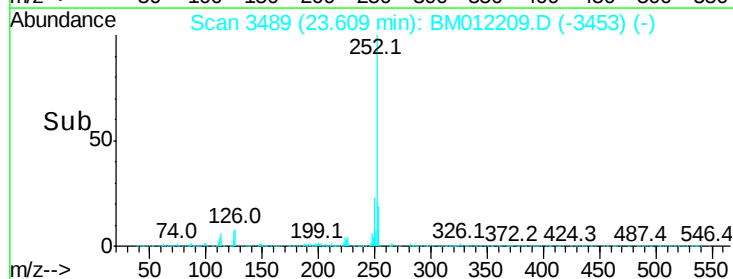
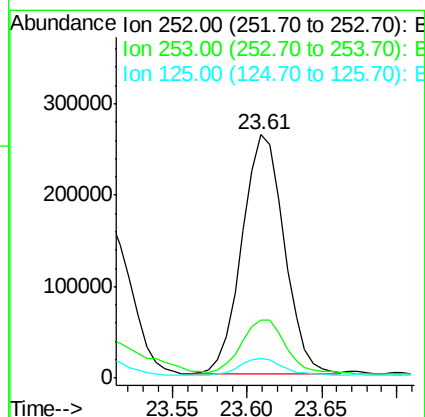
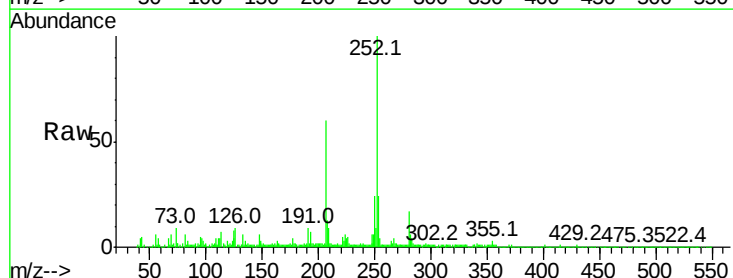
RT: 23.61 min Scan# 3489

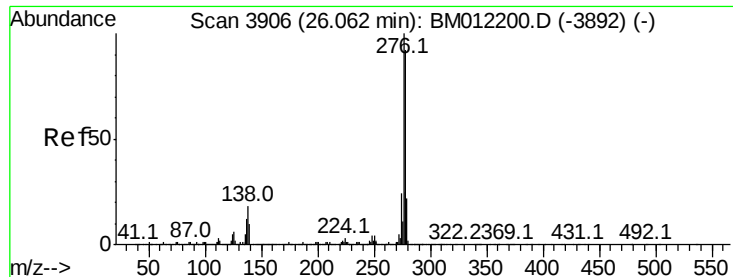
Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Tgt Ion:	252	Resp:	511950
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.2
125	8.1	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.042 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

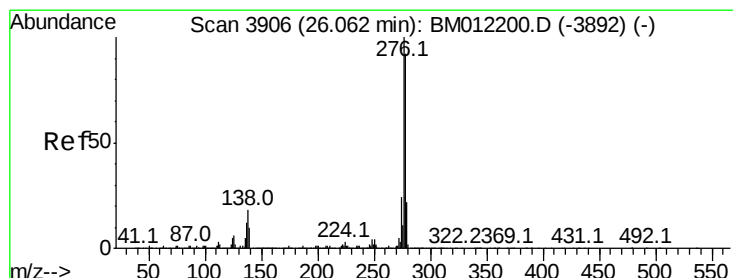
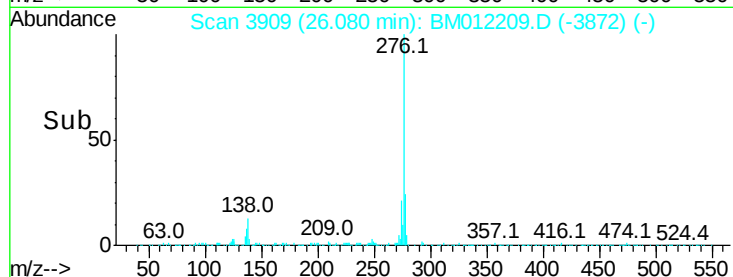
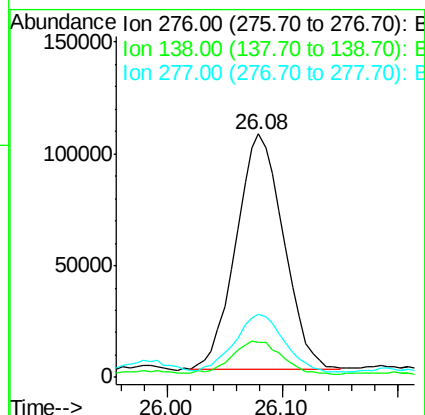
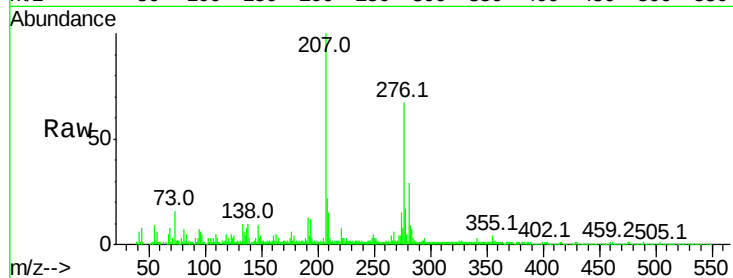
Tot Ion:276 Resp: 301328

Ion Ratio Lower Upper

276 100

138 14.4 9.3 13.9#

277 25.9 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 1.924 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

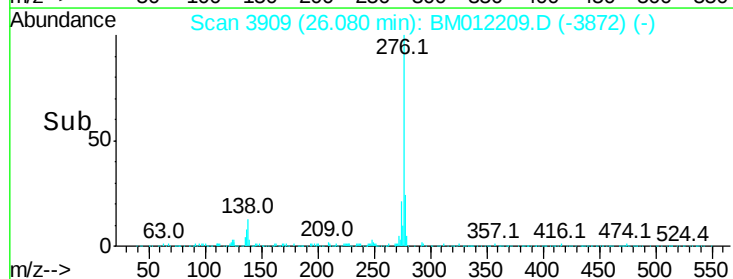
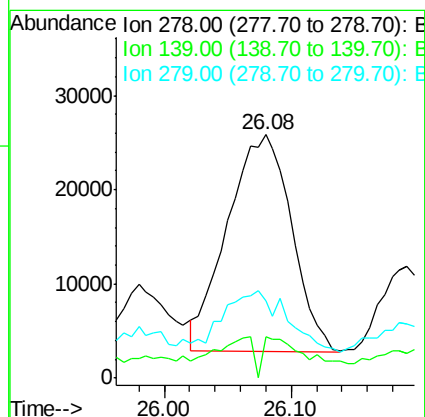
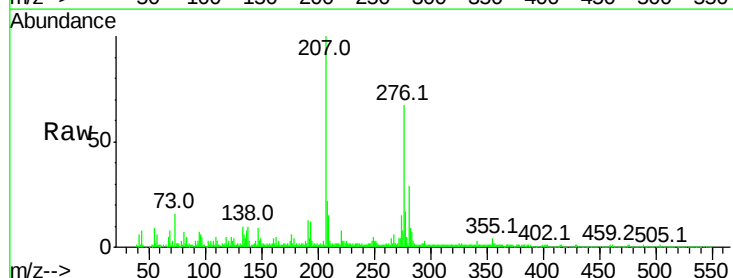
Tgt Ion:278 Resp: 80648

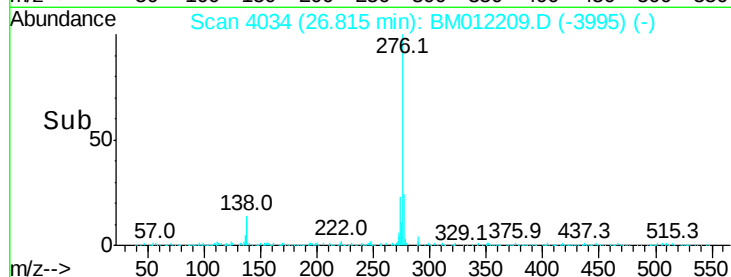
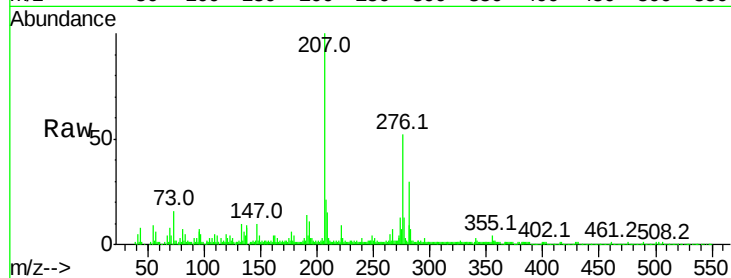
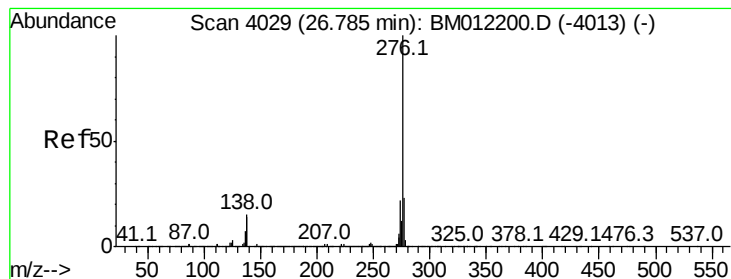
Ion Ratio Lower Upper

278 100

139 17.1 5.8 8.8#

279 32.0 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.630 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. 0.03 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

Tot Ion:276 Resp: 270828

Ion Ratio Lower Upper

276 100

138 15.5 8.5 12.7#

277 25.2 18.6 28.0

