

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\
 Data File : BM022609.D
 Acq On : 09 Sep 2019 18:31
 Operator : HP/JU
 Sample : K4706-02DL 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 10 01:17:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 09 07:45:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	272059	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1205124	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	759196	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	1582987	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	1592855	20.00	ng/ul	0.00
86) Perylene-d12	23.69	264	1702602	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	763	0.12	ng/uL	0.01
5) Phenol-d5	7.01	99	8748	0.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.18	67	21505	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	21739	1.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	14989	0.73	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	12042	1.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	9346	1.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	23627	1.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	5481	0.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	102976	1.67	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	101256	1.37	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	2672	0.25	ng/ul	0.00
58) Fluorene-d10	15.47	176	89224	1.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	6287	0.87	ng/ul	0.00
71) Anthracene-d10	17.32	188	142277	1.75	ng/ul	0.00
79) Pyrene-d10	19.60	212	153880	1.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.53	264	143557	1.57	ng/ul	0.00

Target Compounds

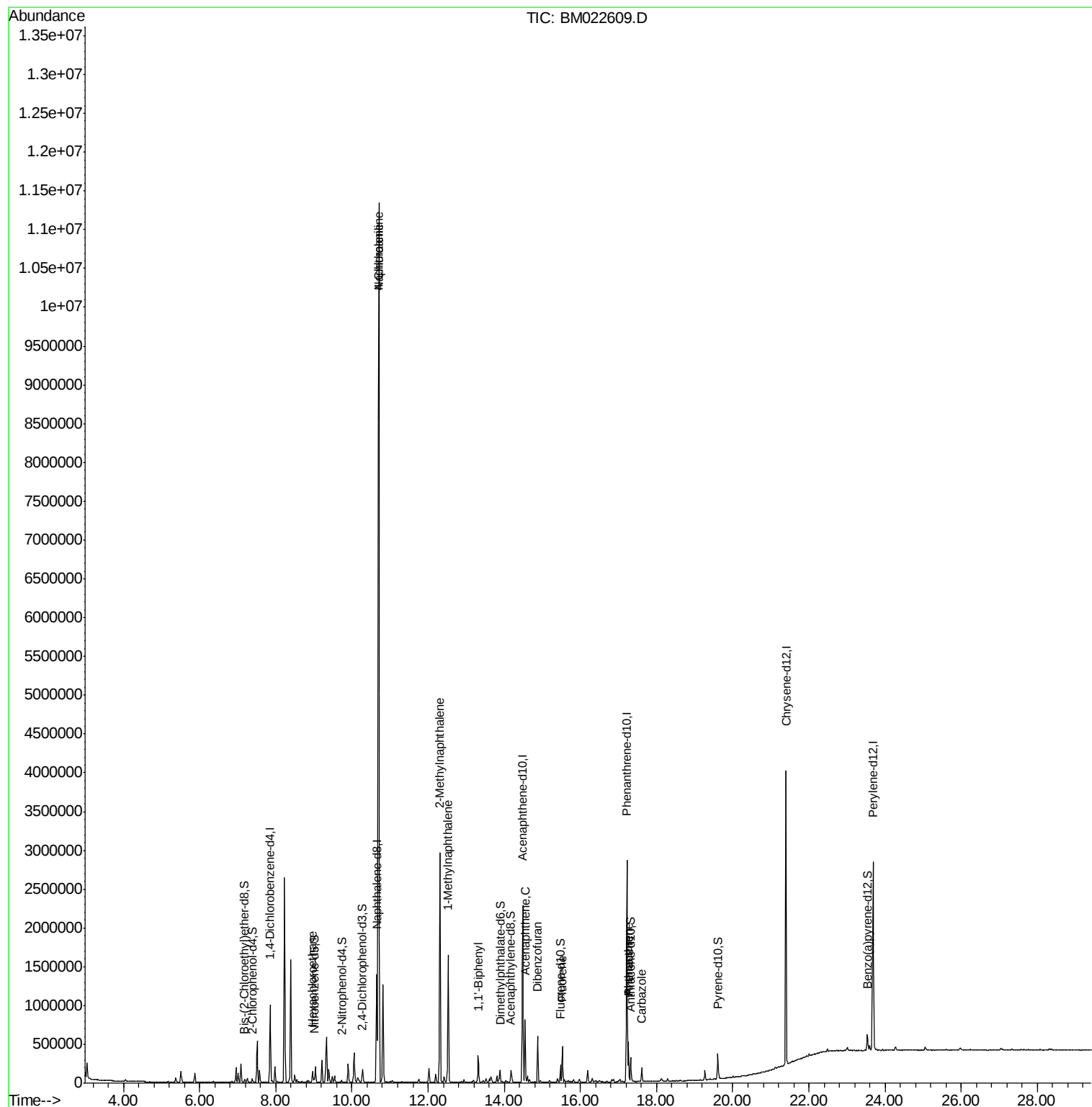
					Ovalue	
17) Hexachloroethane	8.97	117	24599	2.980	ng/ul#	9
28) Naphthalene	10.70	128	9679221	144.865	ng/ul	99
30) 4-Chloroaniline	10.70	127	1298621	47.016	ng/ul#	8
34) 2-Methylnaphthalene	12.31	142	1394855	27.710	ng/ul	100
35) 1-Methylnaphthalene	12.53	142	724363	15.061	ng/ul	99
41) 1,1'-Biphenyl	13.32	154	177907	2.814	ng/ul	99
50) Acenaphthene	14.54	153	308191	5.821	ng/ul	99
54) Dibenzofuran	14.88	168	349566	4.757	ng/ul	100
59) Fluorene	15.53	166	196546	3.251	ng/ul	99
70) Phenanthrene	17.26	178	299634	3.091	ng/ul	99
72) Anthracene	17.26	178	299634	3.009	ng/ul	99
75) Carbazole	17.62	167	98999	1.106	ng/ul	99

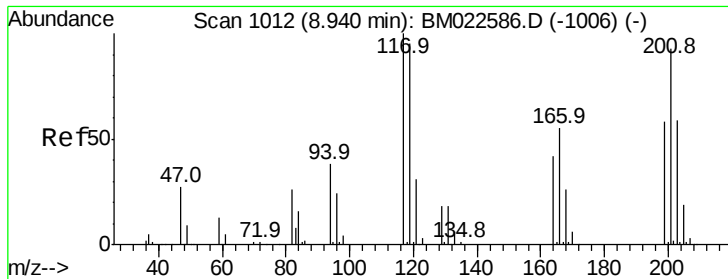
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 2.980 ng/ul

RT: 8.97 min Scan# 1017

Delta R.T. 0.03 min

Lab File: BM022609.D

Acq: 09 Sep 2019 18:31

Instrument :

BNA_M

ClientSampleId :

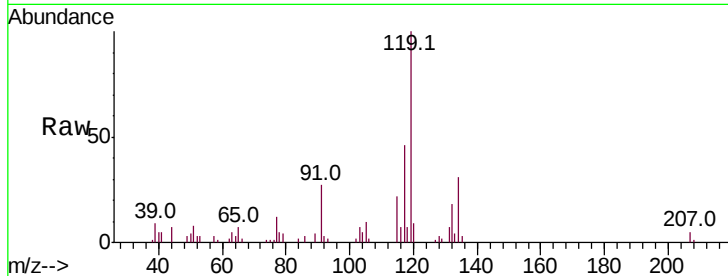
Tot Ion:117 Resp: 24599

Ion Ratio Lower Upper

117 100

201 0.0 77.6 116.4#

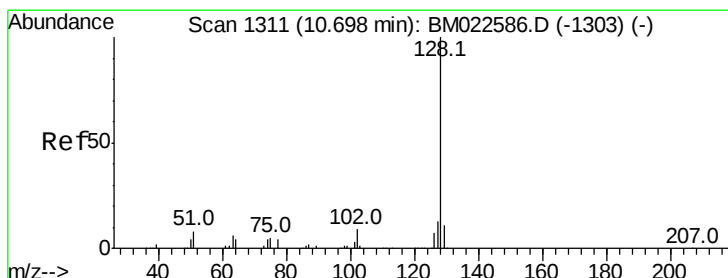
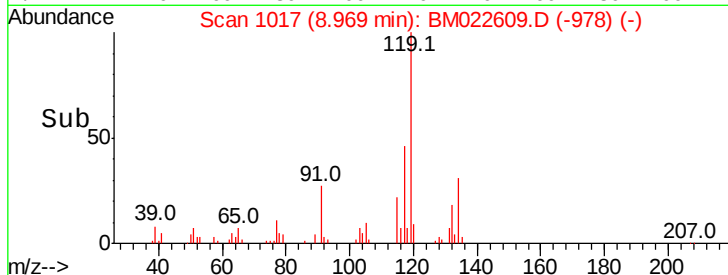
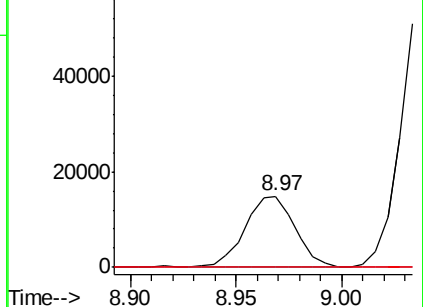
199 0.0 47.6 71.4#



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: 144.865 ng/ul

RT: 10.70 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM022609.D

Acq: 09 Sep 2019 18:31

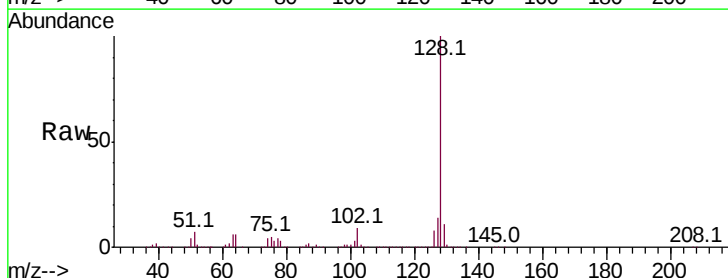
Tgt Ion:128 Resp: 9679221

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

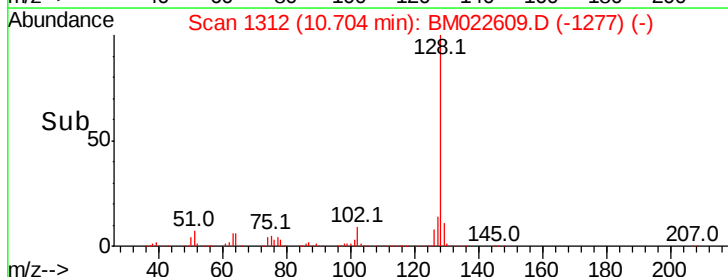
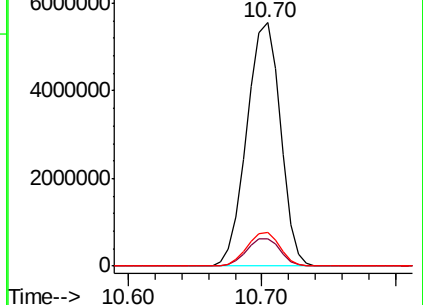
127 13.7 10.6 16.0

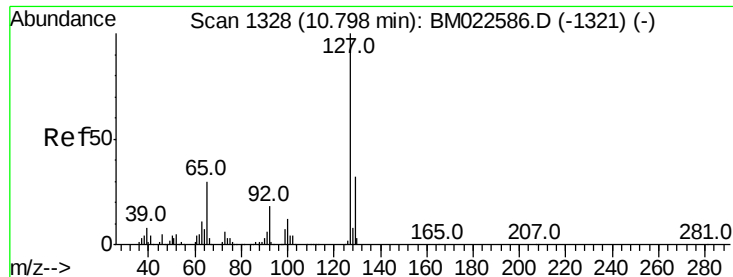


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

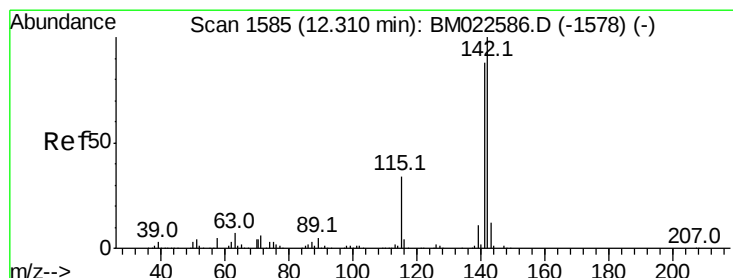
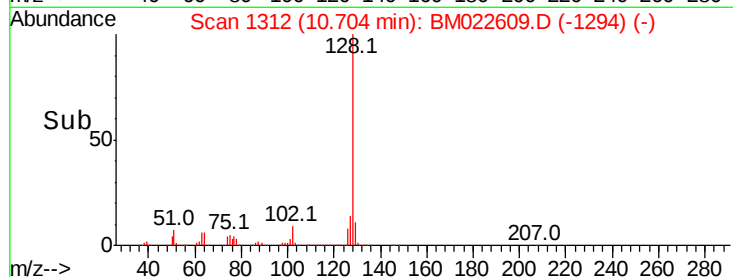
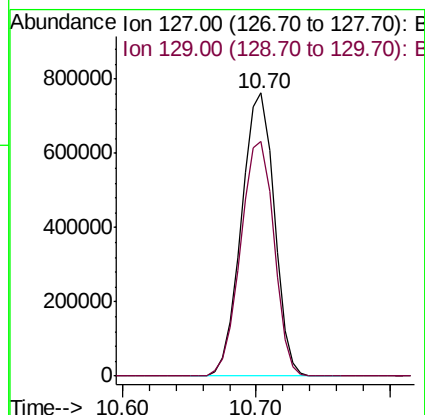
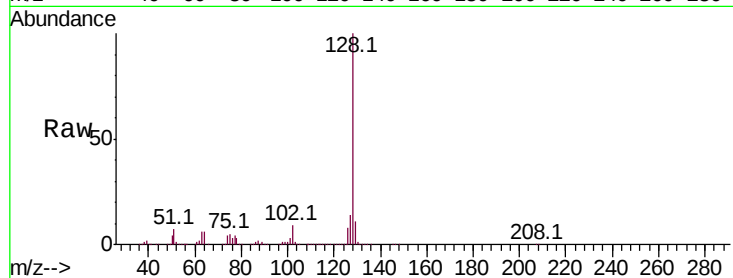




#30
4-Chloroaniline
Concen: 47.016 ng/ul
RT: 10.70 min Scan# 1312
Delta R.T. -0.09 min
Lab File: BM022609.D
Acq: 09 Sep 2019 18:31

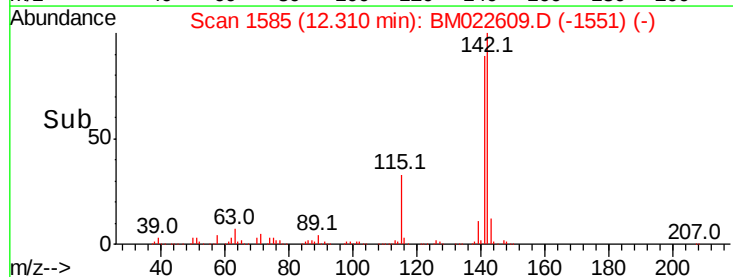
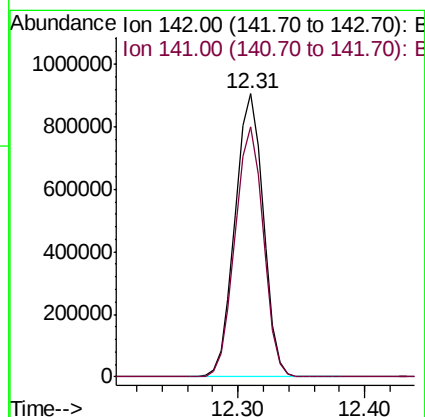
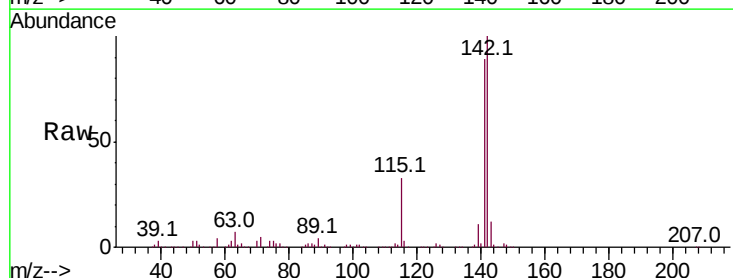
Instrument :
BNA_M
ClientSampleId :

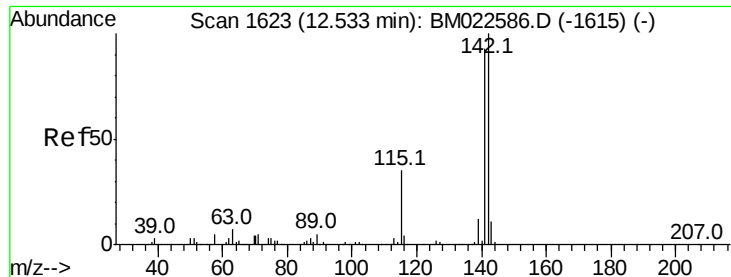
Tot Ion:127 Resp: 1298621
Ion Ratio Lower Upper
127 100
129 82.9 25.4 38.2#



#34
2-Methylnaphthalene
Concen: 27.710 ng/ul
RT: 12.31 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BM022609.D
Acq: 09 Sep 2019 18:31

Tgt Ion:142 Resp: 1394855
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4

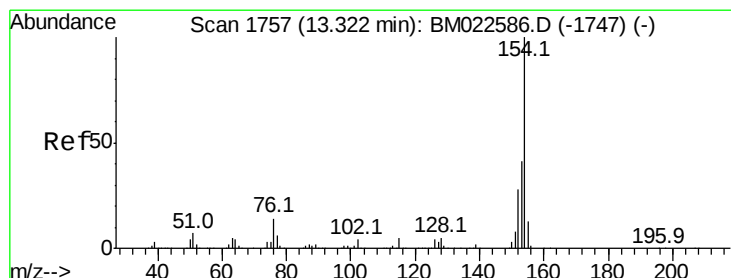
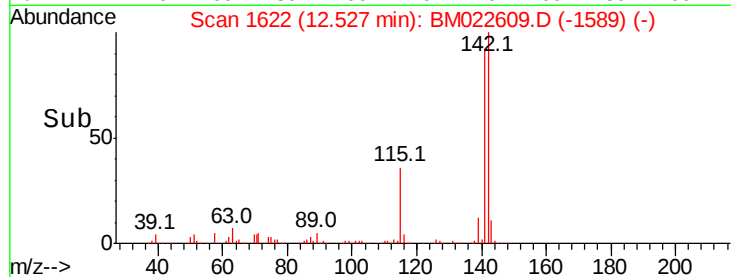
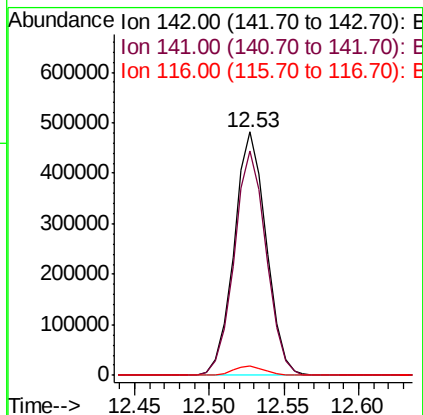
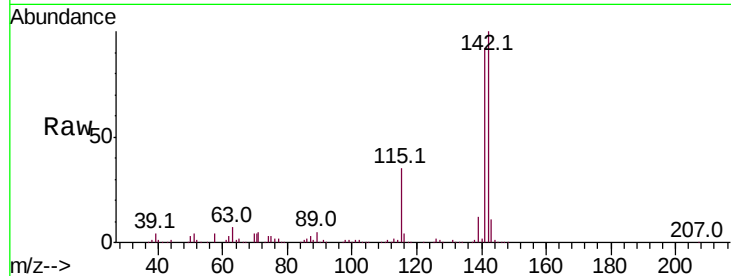




#35
 1-Methylnaphthalene
 Concen: 15.061 ng/ul
 RT: 12.53 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BM022609.D
 Acq: 09 Sep 2019 18:31

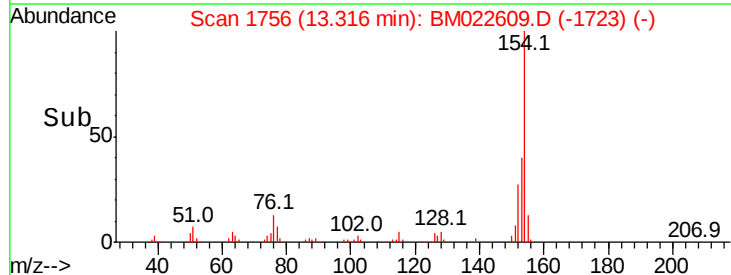
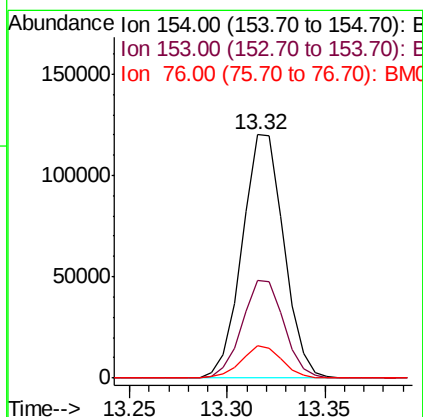
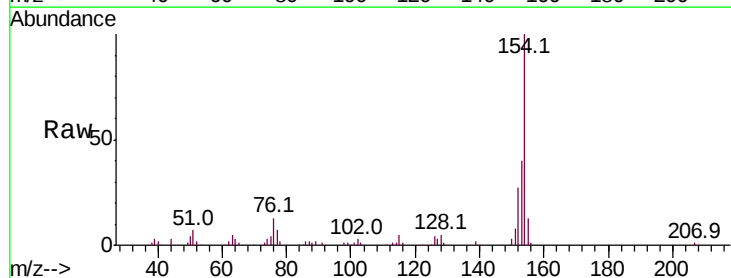
Instrument :
 BNA_M
 ClientSampleId :

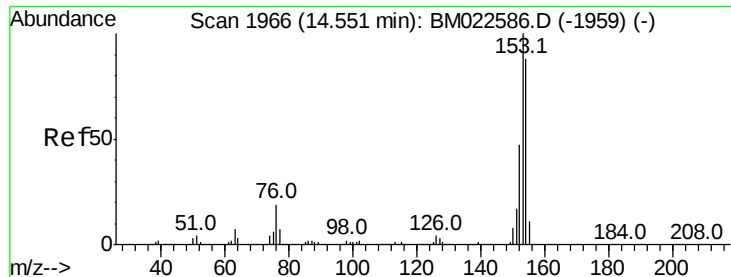
Tot Ion:142 Resp: 724363
 Ion Ratio Lower Upper
 142 100
 141 92.1 72.6 108.8
 116 3.8 3.0 4.4



#41
 1,1'-Biphenyl
 Concen: 2.814 ng/ul
 RT: 13.32 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BM022609.D
 Acq: 09 Sep 2019 18:31

Tgt Ion:154 Resp: 177907
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.1 48.1
 76 13.5 10.2 15.2





#50

Acenaphthene

Concen: 5.821 ng/ul

RT: 14.54 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM022609.D

Acq: 09 Sep 2019 18:31

Instrument :

BNA_M

ClientSampled :

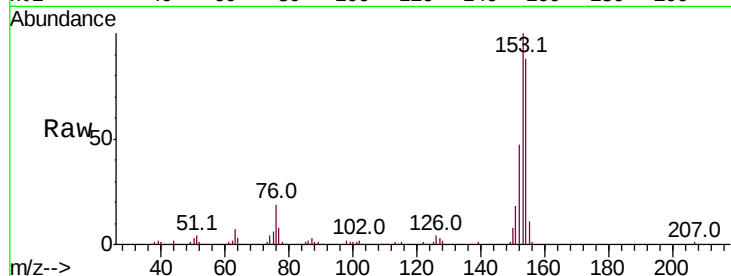
Tot Ion:153 Resp: 308191

Ion Ratio Lower Upper

153 100

152 47.3 37.5 56.3

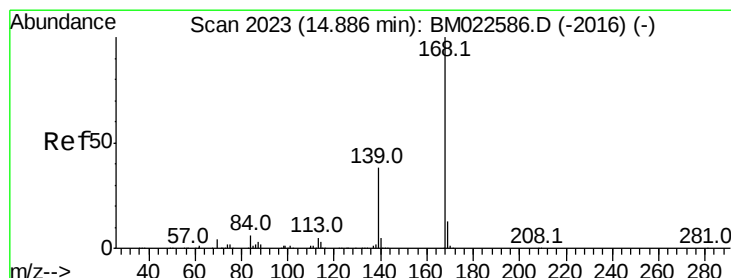
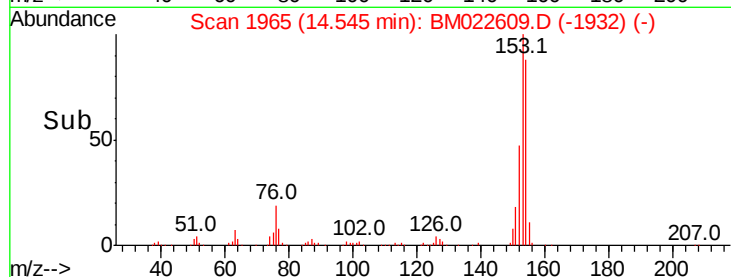
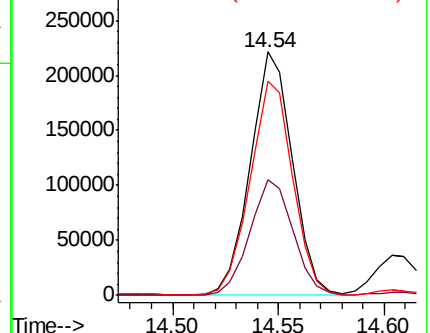
154 87.8 71.4 107.0



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



#54

Dibenzofuran

Concen: 4.757 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BM022609.D

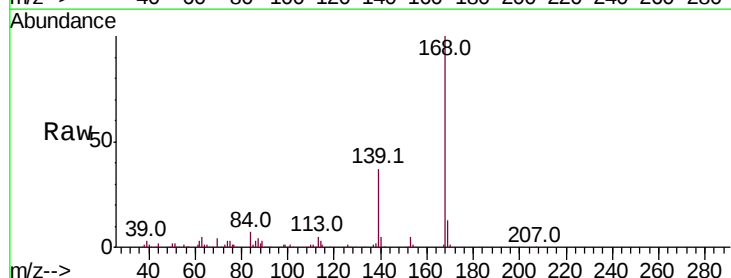
Acq: 09 Sep 2019 18:31

Tgt Ion:168 Resp: 349566

Ion Ratio Lower Upper

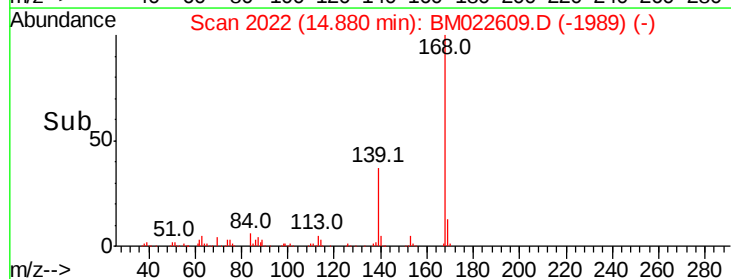
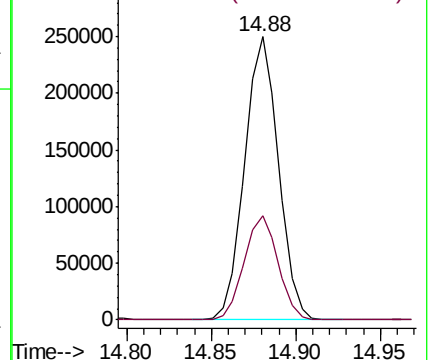
168 100

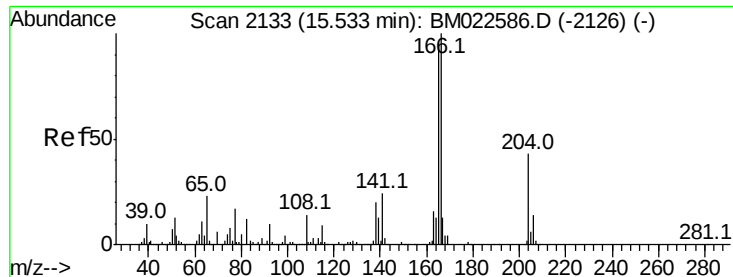
139 36.9 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

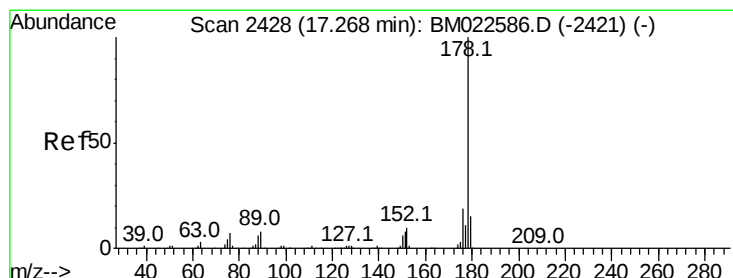
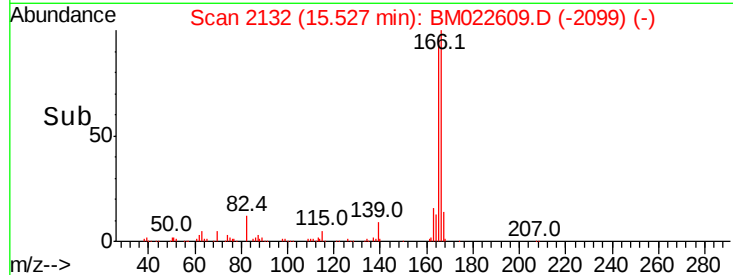
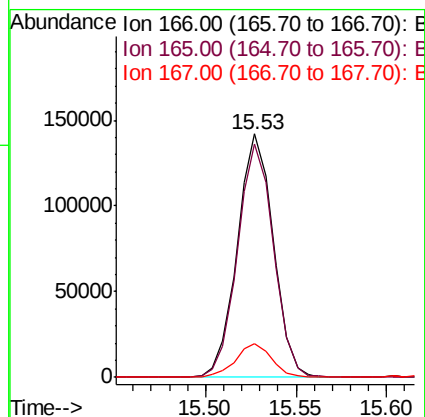
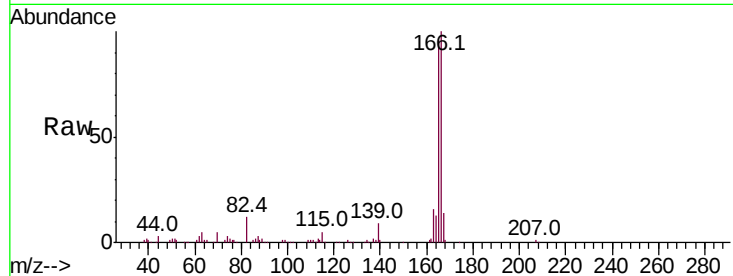




#59
 Fluorene
 Concen: 3.251 ng/ul
 RT: 15.53 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BM022609.D
 Acq: 09 Sep 2019 18:31

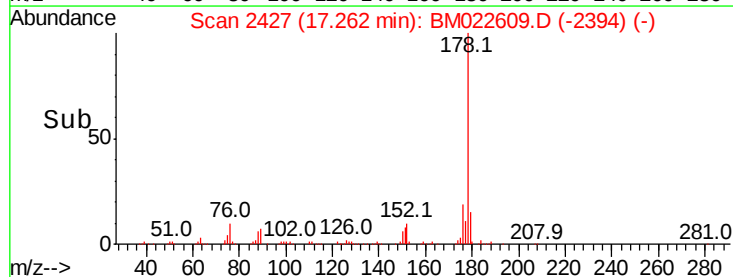
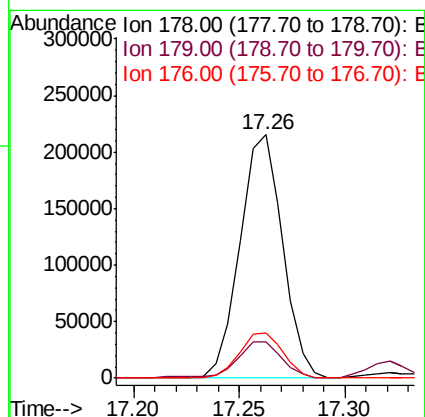
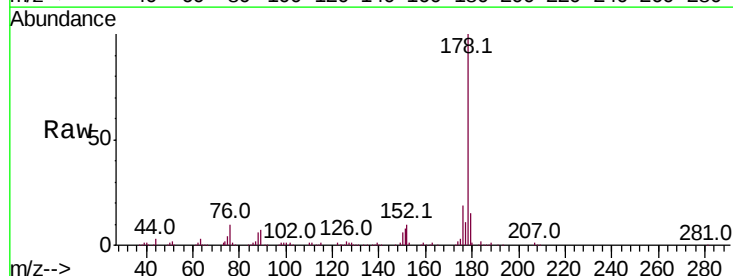
Instrument :
 BNA_M
 ClientSampleId :

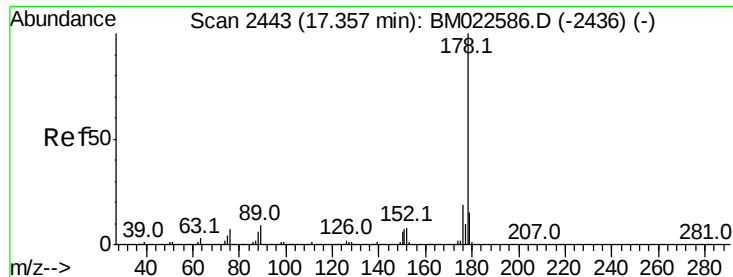
Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.8	116.8
167	13.7	10.9	16.3



#70
 Phenanthrene
 Concen: 3.091 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM022609.D
 Acq: 09 Sep 2019 18:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	18.8	15.4	23.0





#72

Anthracene

Concen: 3.009 ng/ul

RT: 17.26 min Scan# 2427

Delta R.T. -0.09 min

Lab File: BM022609.D

Acq: 09 Sep 2019 18:31

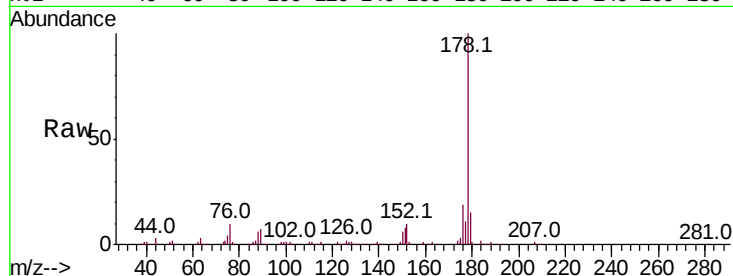
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 299634

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.8	14.7	22.1

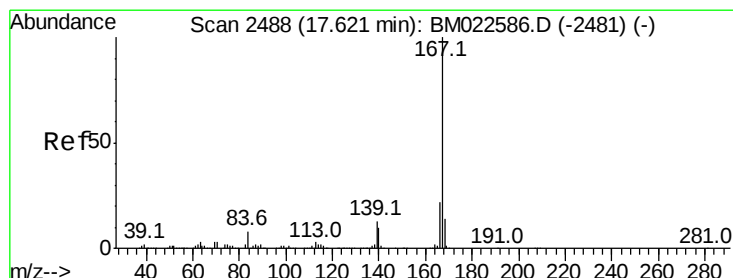
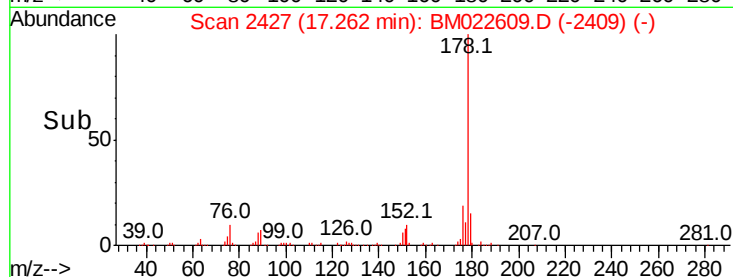
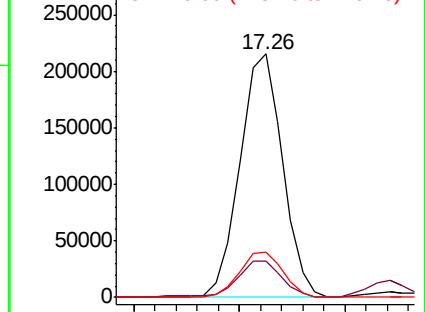


Abundance

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



#75

Carbazole

Concen: 1.106 ng/ul

RT: 17.62 min Scan# 2487

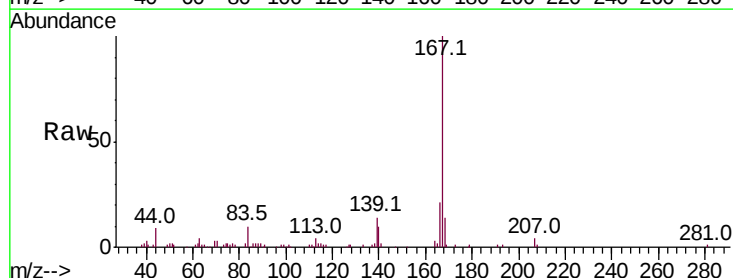
Delta R.T. -0.01 min

Lab File: BM022609.D

Acq: 09 Sep 2019 18:31

Tgt Ion:167 Resp: 98999

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.0
139	13.6	10.6	15.8



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

