

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
 Data File : BM016961.D
 Acq On : 02 Oct 2018 15:04
 Operator : MJ/SJ
 Sample : J5126-11
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 03 01:15:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 02 20:15:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	330664	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	1427756	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	716214	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	1296526	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	1078916	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	1131958	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	405	0.05	ng/uL	0.00
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.49	131	1984	0.08	ng/ul	-0.14
44) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
47) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
52) 4-Nitrophenol-d4	14.55	143	316	0.03	ng/ul	0.00
58) Fluorene-d10	15.34	176	4592	0.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	1812	0.34	ng/ul	-0.02
71) Anthracene-d10	17.20	188	4695	0.08	ng/ul	0.00
79) Pyrene-d10	19.52	212	657	0.01	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.52	264	1122695	19.01	ng/ul	0.14

Target Compounds

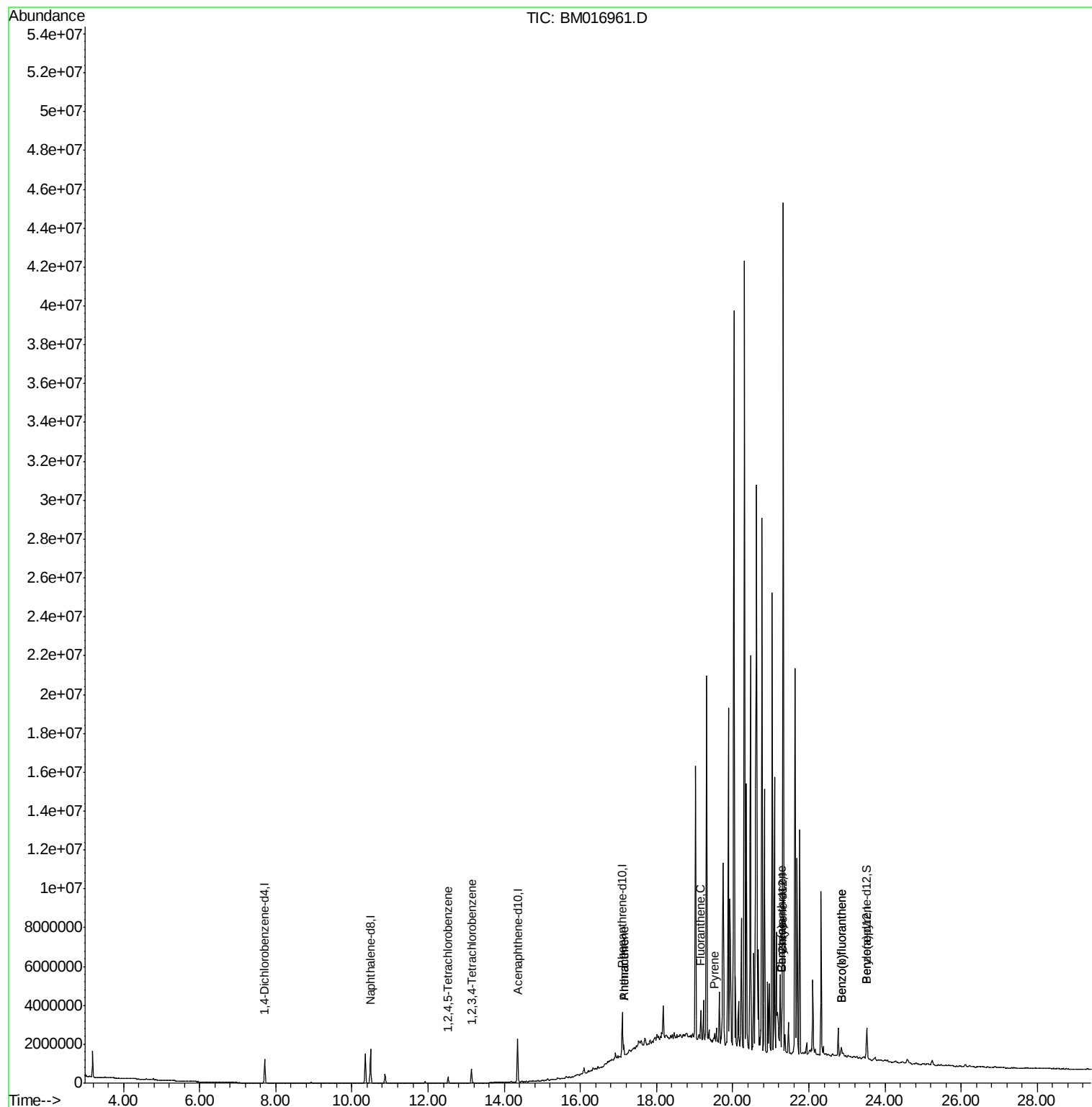
					Ovalue	
37) 1,2,4,5-Tetrachlorobenzene	12.52	216	105824	4.302	ng/ul	94
70) Phenanthrene	17.14	178	332521	4.617	ng/ul	98
72) Anthracene	17.14	178	334264	4.521	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.14	216	229133	10.678	ng/uL	98
77) Fluoranthene	19.16	202	889672	10.777	ng/ul#	92
80) Pyrene	19.53	202	247082	3.730	ng/ul#	88
83) Benzo(a)anthracene	21.28	228	196117	2.936	ng/ul	99
85) Chrysene	21.28	228	195961	3.146	ng/ul	95
88) Benzo(b)fluoranthene	22.85	252	329872	4.869	ng/ul#	89
89) Benzo(k)fluoranthene	22.85	252	329872	5.070	ng/ul#	89

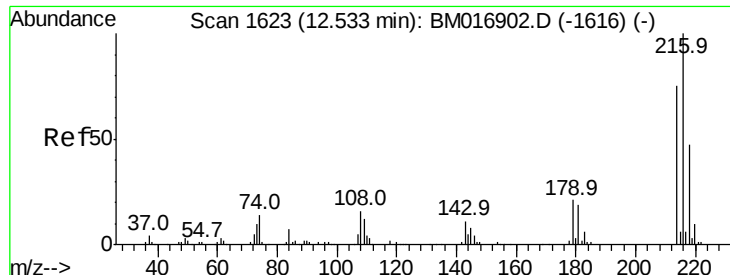
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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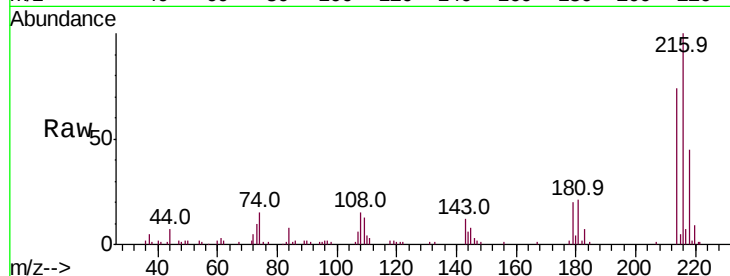




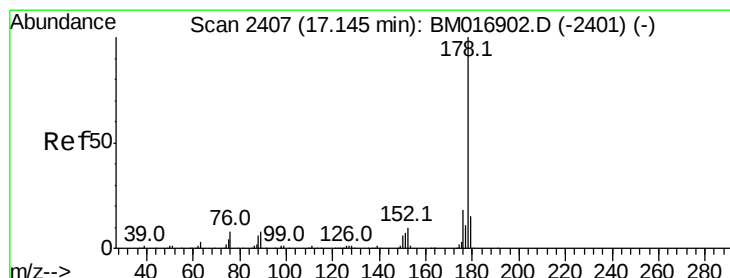
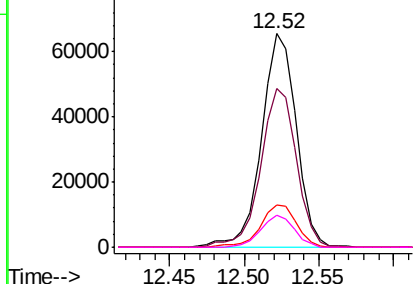
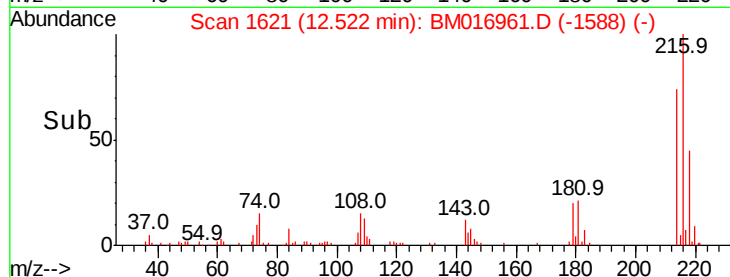
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.302 ng/ul
 RT: 12.52 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BM016961.D
 Acq: 02 Oct 2018 15:04

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:	216	Resp:	105824
Ion	Ratio	Lower	Upper
216	100		
214	74.5	64.1	96.1
179	19.5	14.5	21.7
108	15.1	10.4	15.6

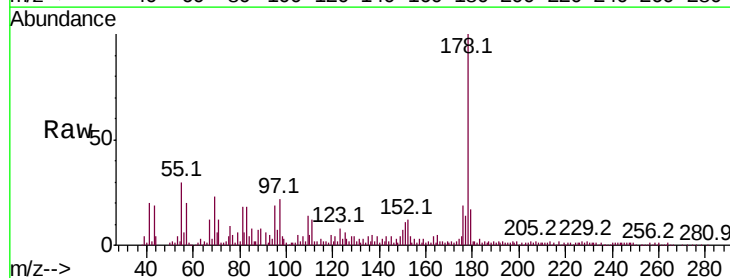


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

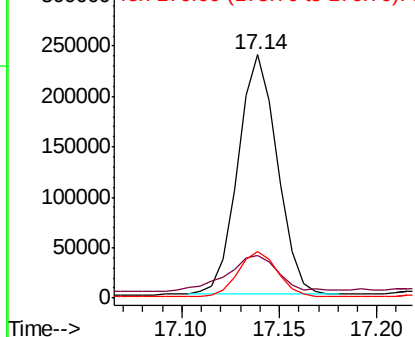
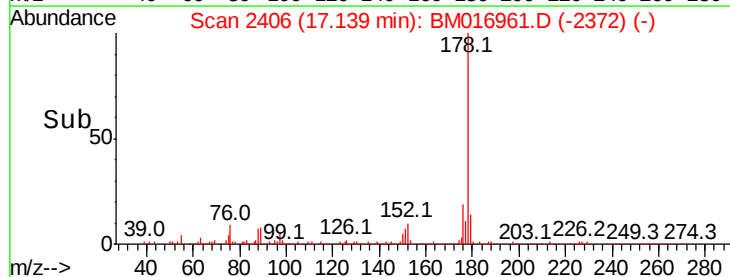


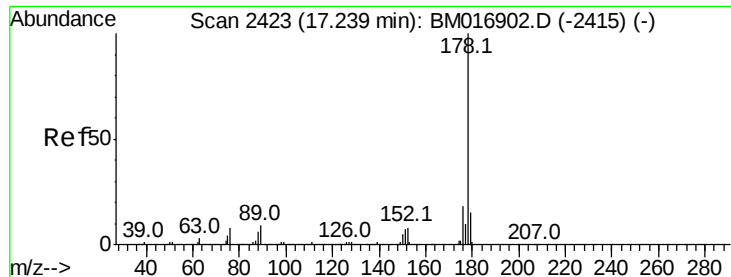
#70
 Phenanthrene
 Concen: 4.617 ng/ul
 RT: 17.14 min Scan# 2406
 Delta R.T. 0.00 min
 Lab File: BM016961.D
 Acq: 02 Oct 2018 15:04

Tgt Ion:	178	Resp:	332521
Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.3	18.5
176	19.3	15.4	23.0



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

Anthracene

Concen: 4.521 ng/uL

RT: 17.14 min Scan# 2406

Delta R.T. -0.09 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

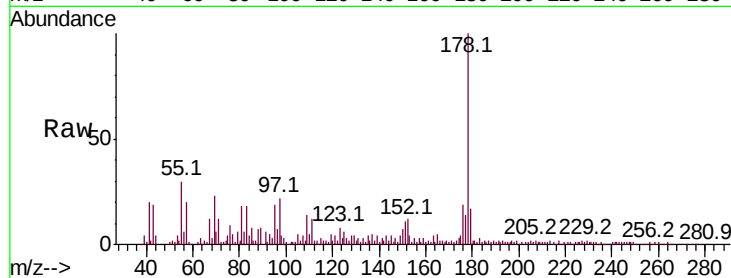
Tot Ion:178 Resp: 334264

Ion Ratio Lower Upper

178 100

179 17.5 13.4 20.2

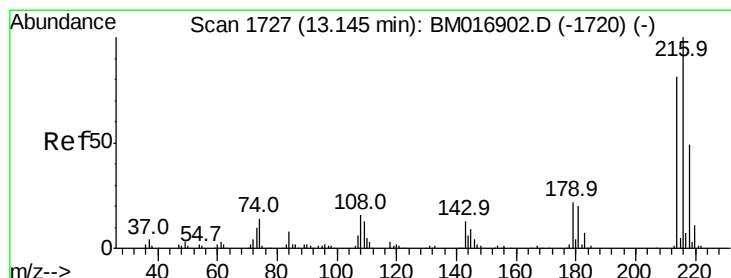
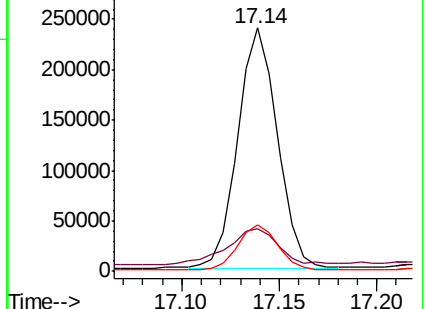
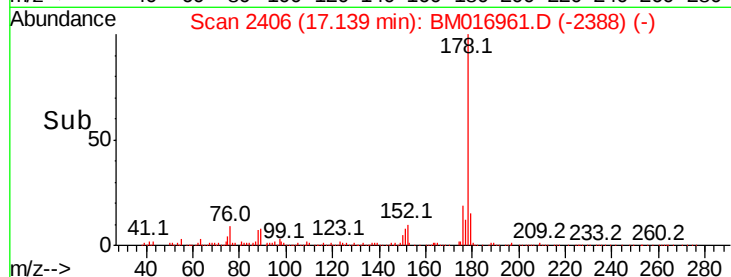
176 19.3 15.4 23.0



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



#73

1,2,3,4-Tetrachlorobenzene

Concen: 10.678 ng/uL

RT: 13.14 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

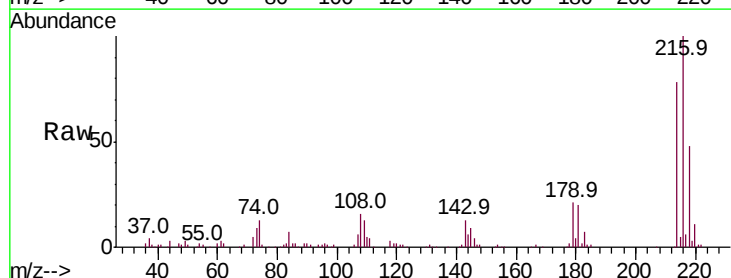
Tgt Ion:216 Resp: 229133

Ion Ratio Lower Upper

216 100

214 77.8 64.1 96.1

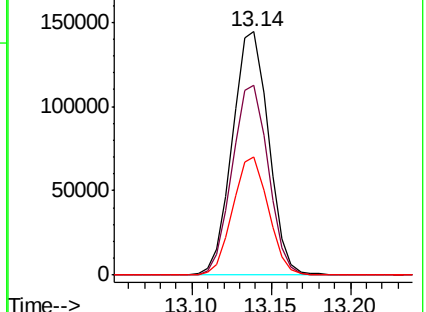
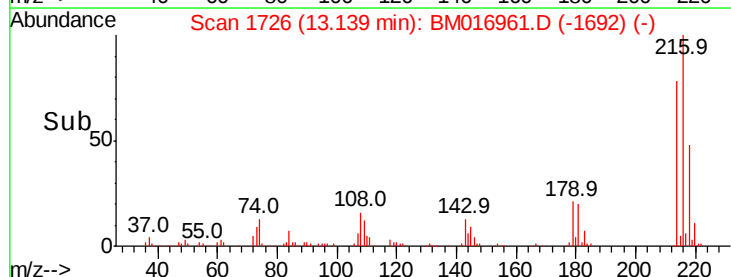
218 48.3 39.4 59.0

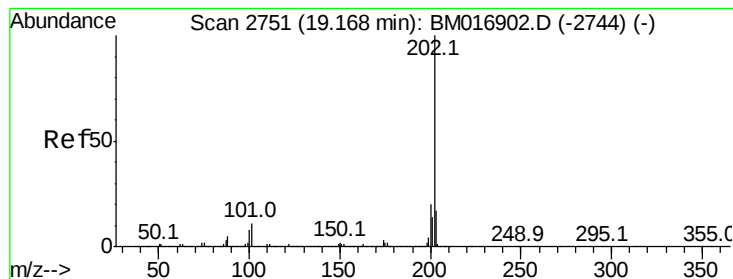


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E





#77

Fluoranthene

Concen: 10.777 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

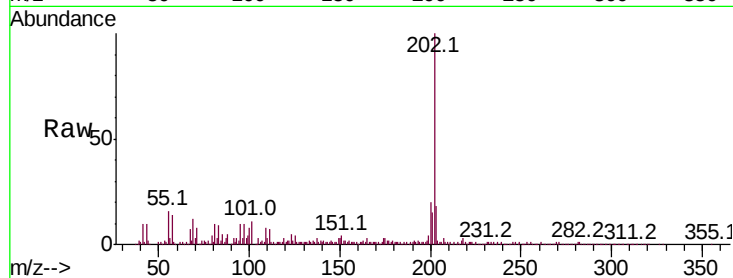
Tot Ion:202 Resp: 889672

Ion Ratio Lower Upper

202 100

101 10.7 6.1 9.1#

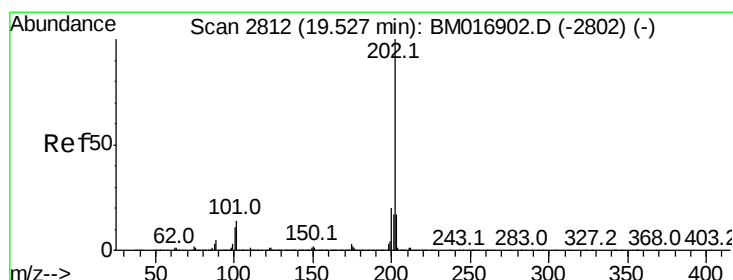
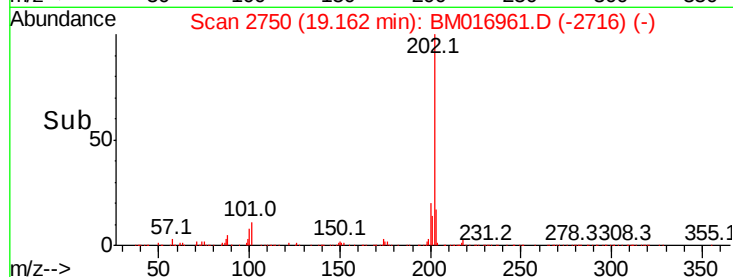
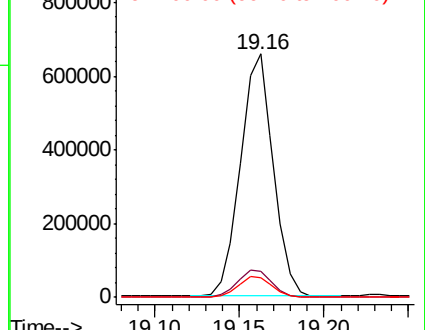
100 8.2 4.6 7.0#



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



#80

Pyrene

Concen: 3.730 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

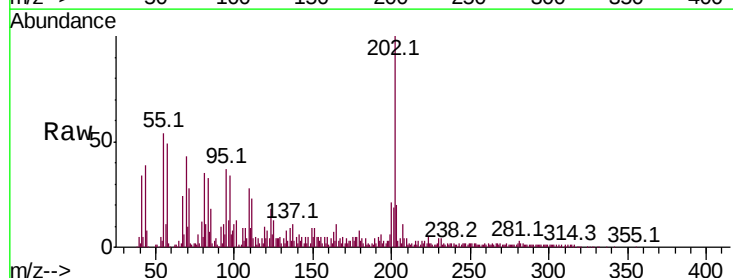
Tgt Ion:202 Resp: 247082

Ion Ratio Lower Upper

202 100

101 13.0 6.9 10.3#

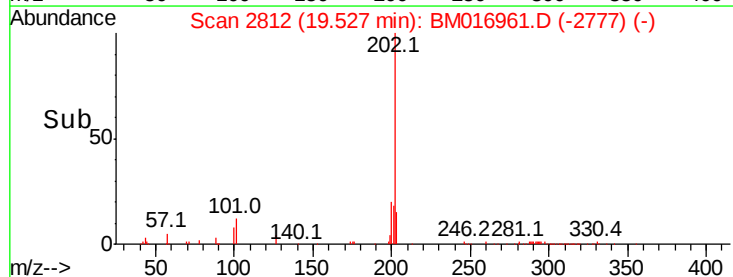
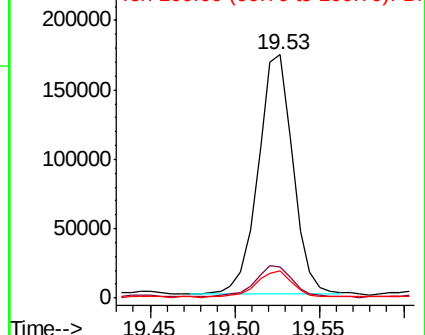
100 11.4 5.6 8.4#

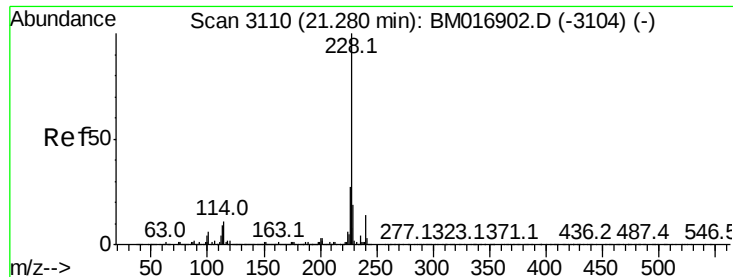


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 2.936 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

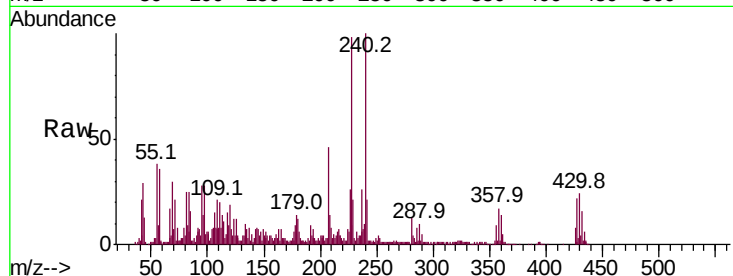
Tot Ion:228 Resp: 196117

Ion Ratio Lower Upper

228 100

229 21.0 16.0 24.0

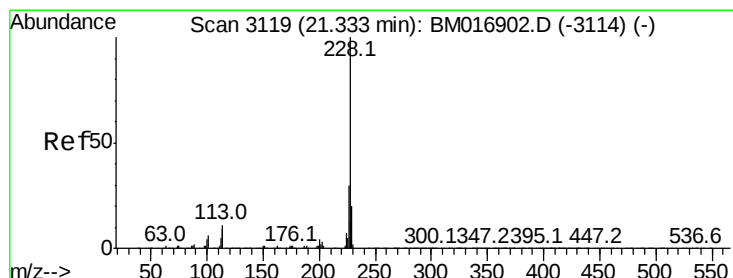
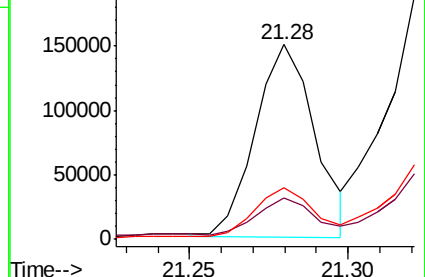
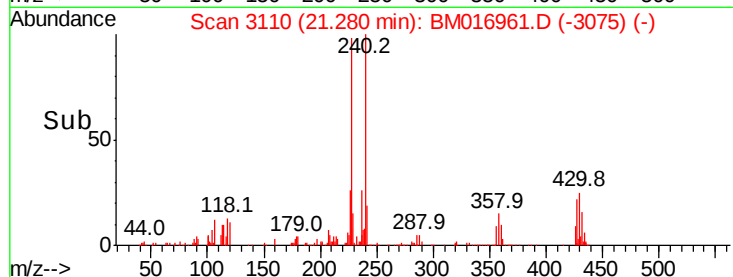
226 26.8 21.8 32.8



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



#85

Chrysene

Concen: 3.146 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.05 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

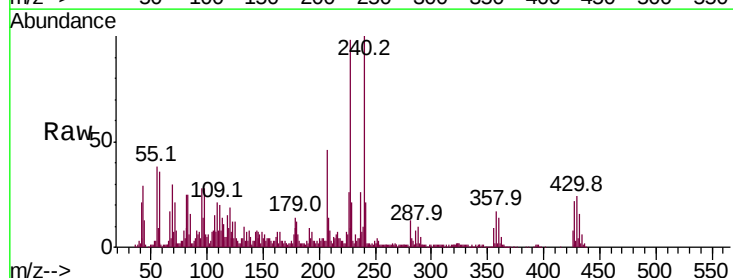
Tgt Ion:228 Resp: 195961

Ion Ratio Lower Upper

228 100

226 26.8 24.1 36.1

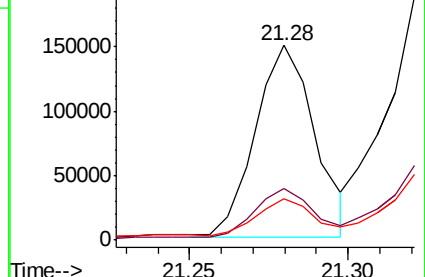
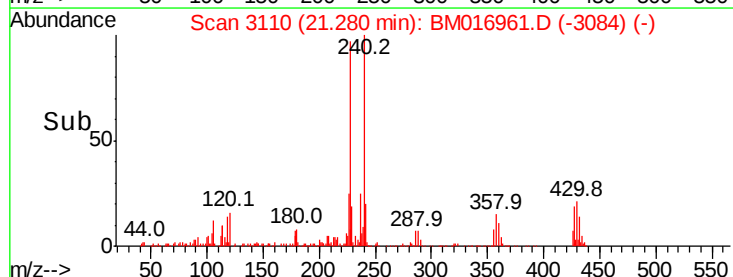
229 21.0 16.0 24.0

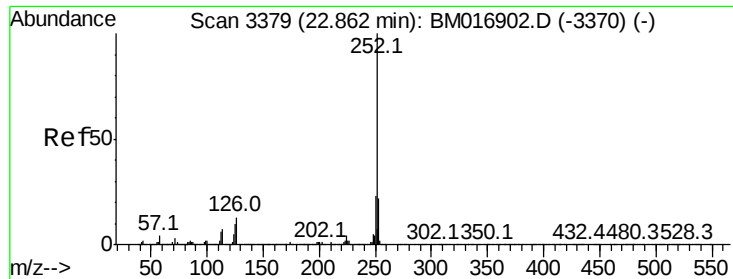


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 4.869 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. 0.00 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

Instrument :

BNA_M

ClientSampleId :

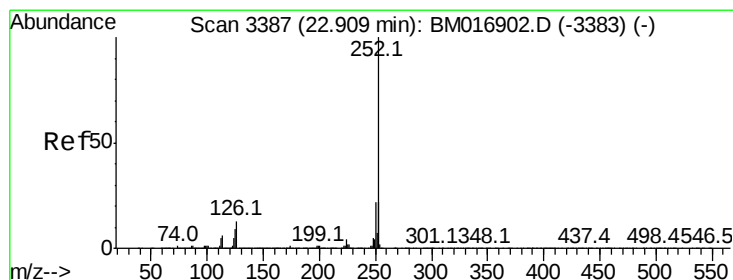
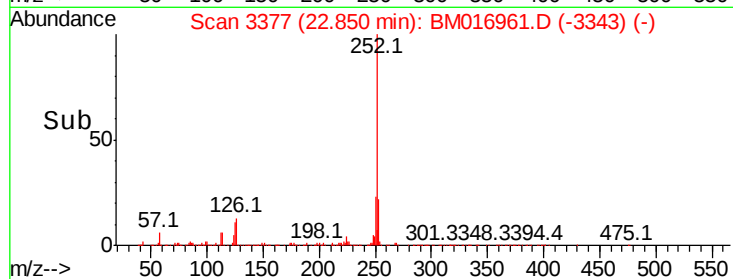
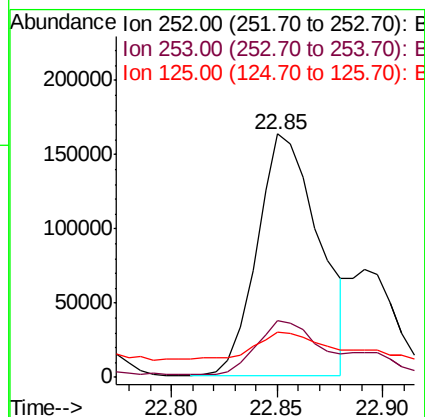
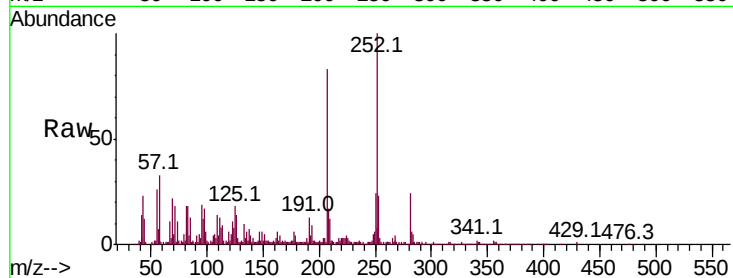
Tot Ion:252 Resp: 329872

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 18.5 4.9 7.3#



#89

Benzo(k)fluoranthene

Concen: 5.070 ng/ul

RT: 22.85 min Scan# 3377

Delta R.T. -0.05 min

Lab File: BM016961.D

Acq: 02 Oct 2018 15:04

Tgt Ion:252 Resp: 329872

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 18.5 5.4 8.0#

