

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012618\
 Data File : BM013867.D
 Acq On : 27 Jan 2018 04:59
 Operator : SJ/JU
 Sample : J1222-14DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 27 05:36:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	157281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	588092	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	336173	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	745053	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	789400	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	808930	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2817	0.71	ng/uL	0.00
5) Phenol-d5	6.78	99	27357	2.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	23843	3.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	32389	3.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	12098	1.30	ng/ul	0.02
19) Nitrobenzene-d5	8.75	128	16927	3.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.47	143	17620	3.65	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.02	165	26336	2.83	ng/ul	0.02
29) 4-Chloroaniline-d4	10.53	131	29299	3.63	ng/ul	0.02
43) Dimethylphthalate-d6	13.66	166	117939	4.26	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	139882	3.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	1283	0.28	ng/ul	-0.01
57) Fluorene-d10	15.24	176	102853	4.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	12341	2.75	ng/ul	0.01
70) Anthracene-d10	17.09	188	153631	4.23	ng/ul	0.00
76) Pyrene-d10	19.39	212	180323	4.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	170201	4.58	ng/ul	0.00

Target Compounds

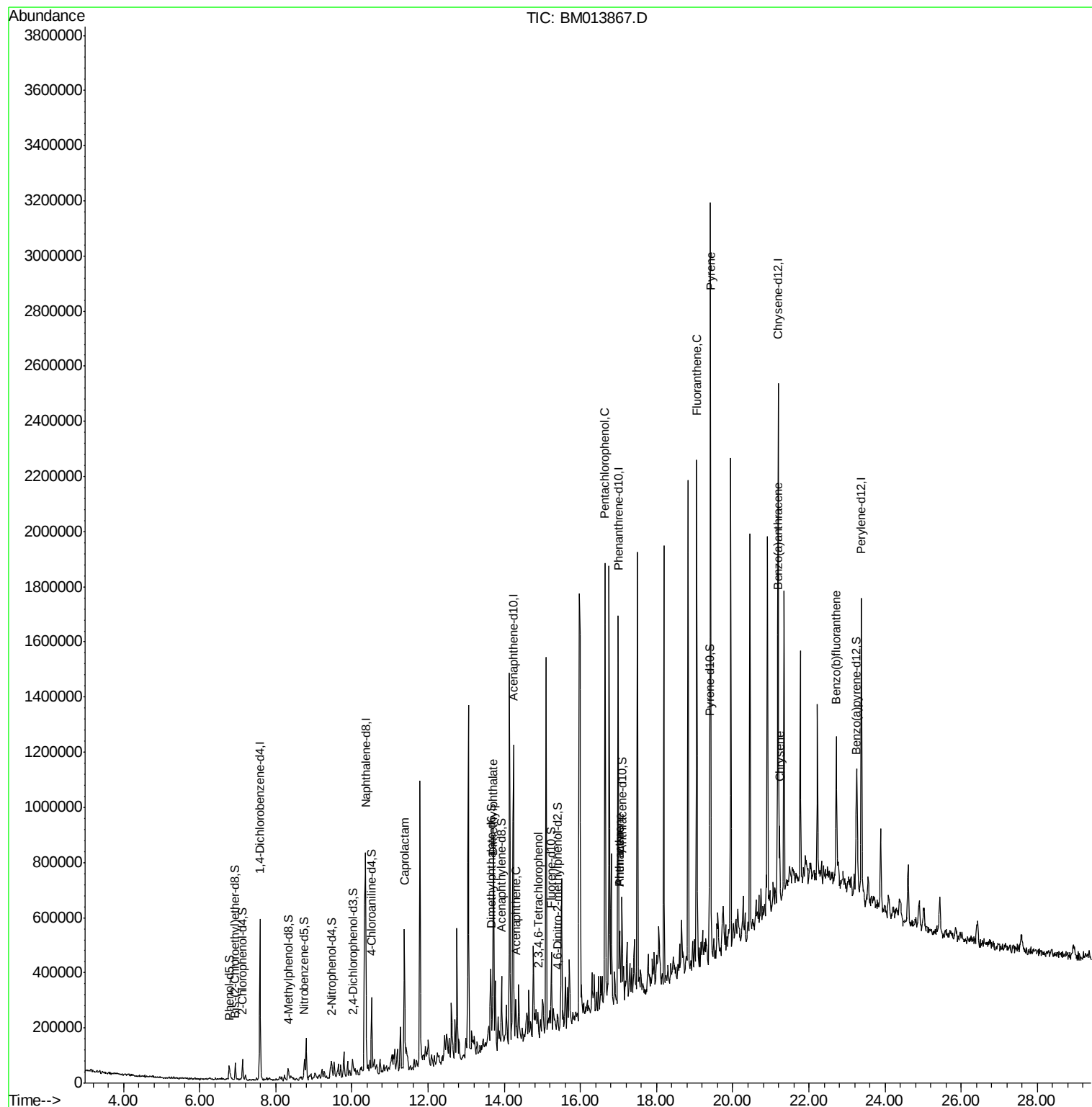
					Ovalue	
32) Caprolactam	11.38	113	17915	7.174	ng/ul	90
44) Dimethylphthalate	13.70	163	30870	1.133	ng/ul#	93
49) Acenaphthene	14.30	153	47790	2.135	ng/ul	95
55) 2,3,4,6-Tetrachlorophenol	14.88	232	11477	1.626	ng/ul#	51
68) Pentachlorophenol	16.65	266	266968	53.038	ng/ul	98
69) Phenanthrene	17.03	178	131781	3.182	ng/ul	98
71) Anthracene	17.03	178	131781	3.085	ng/ul	98
74) Fluoranthene	19.06	202	1046376	21.166	ng/ul#	96
77) Pyrene	19.42	202	766353	15.969	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	143818	3.015	ng/ul	99
82) Chrysene	21.23	228	138017	3.154	ng/ul	96
85) Benzo(b)fluoranthene	22.73	252	69042	1.390	ng/ul#	92

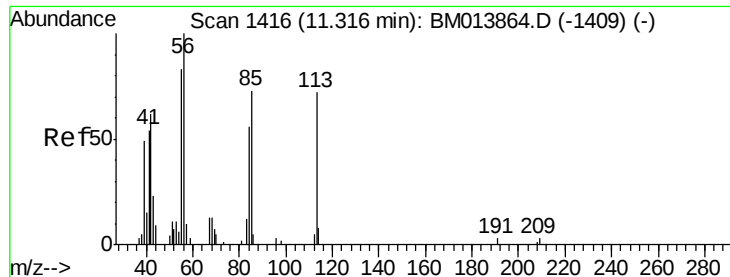
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration





#32

Caprolactam

Concen: 7.174 ng/ul

RT: 11.38 min Scan# 1427

Delta R.T. 0.07 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

Instrument :

BNA_M

ClientSampleId :

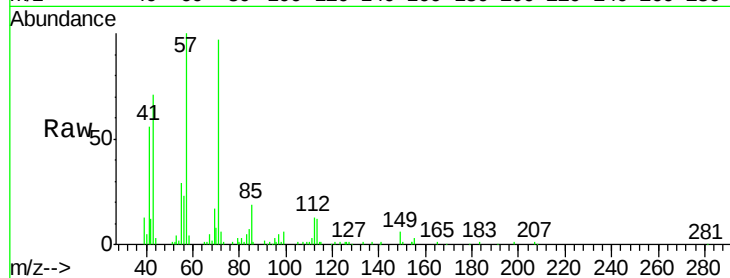
Tot Ion:113 Resp: 17915

Ion Ratio Lower Upper

113 100

55 238.6 208.0 312.0

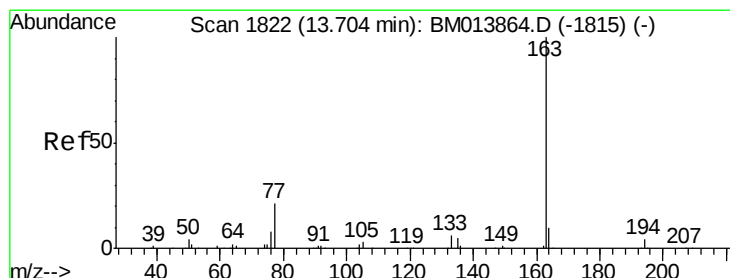
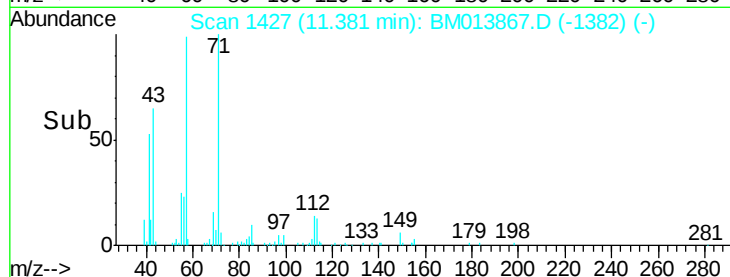
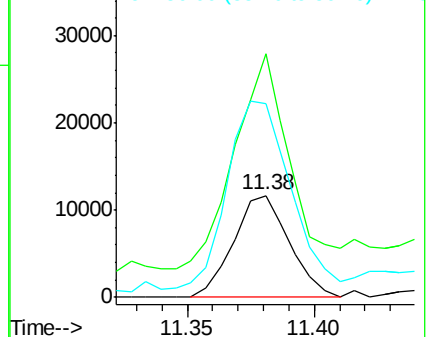
56 190.1 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#44

Dimethylphthalate

Concen: 1.133 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

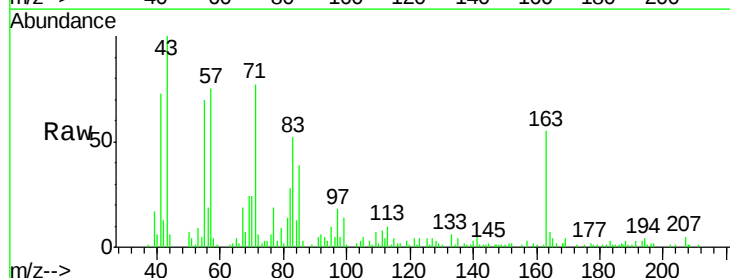
Tgt Ion:163 Resp: 30870

Ion Ratio Lower Upper

163 100

194 7.3 3.5 5.3#

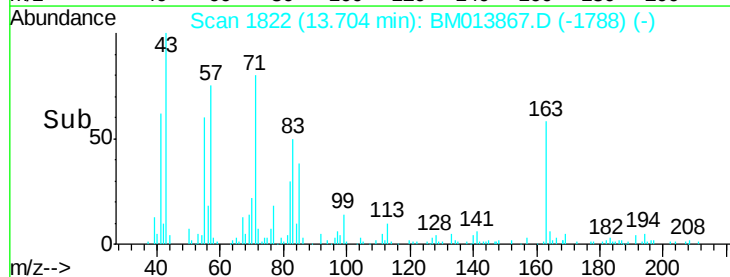
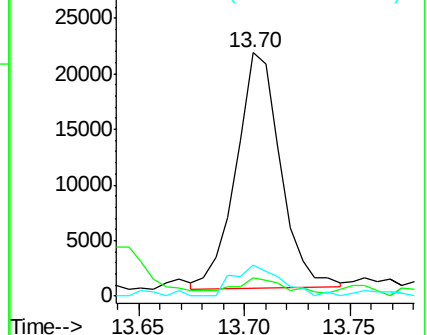
164 12.8 8.2 12.4#

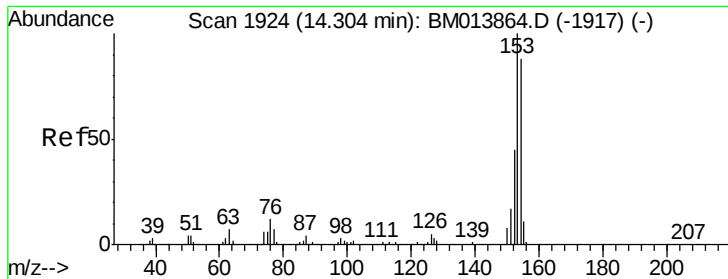


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.135 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

Instrument :

BNA_M

ClientSampleId :

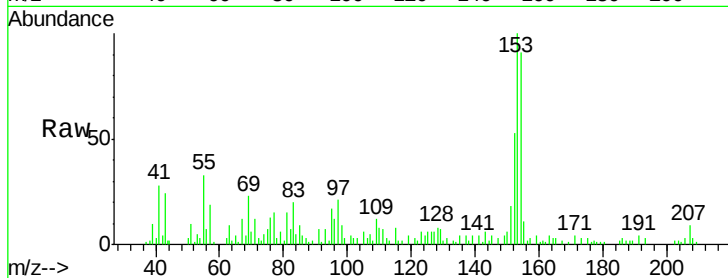
Tot Ion:153 Resp: 47790

Ion Ratio Lower Upper

153 100

152 52.9 37.6 56.4

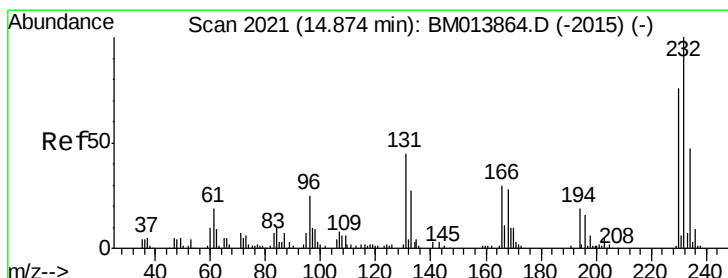
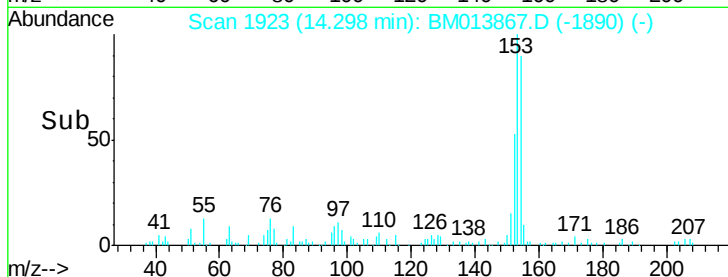
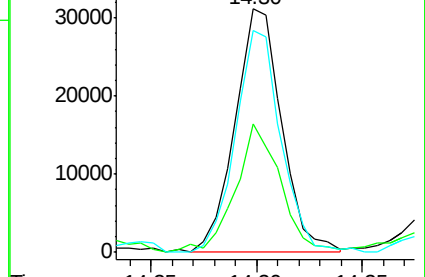
154 91.3 70.4 105.6



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



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.626 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

Tgt Ion:232 Resp: 11477

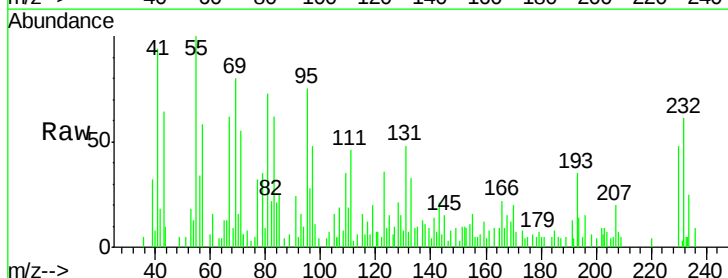
Ion Ratio Lower Upper

232 100

131 79.5 29.0 43.4#

130 12.5 2.0 3.0#

166 36.0 21.4 32.2#

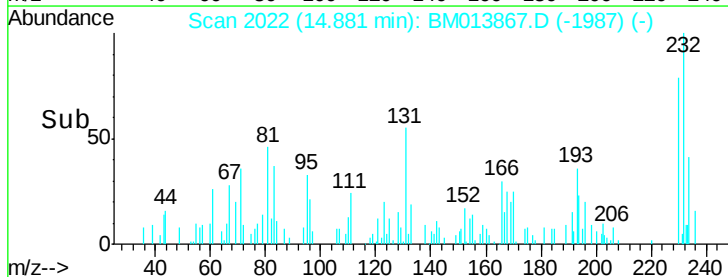
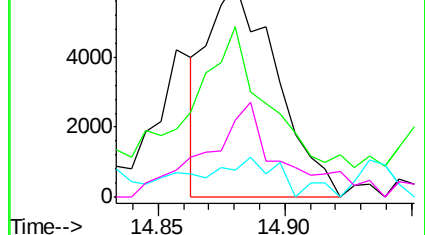


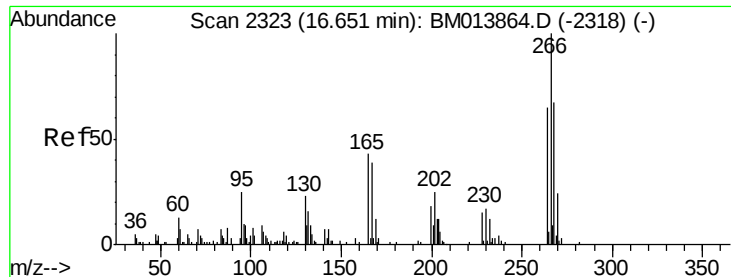
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

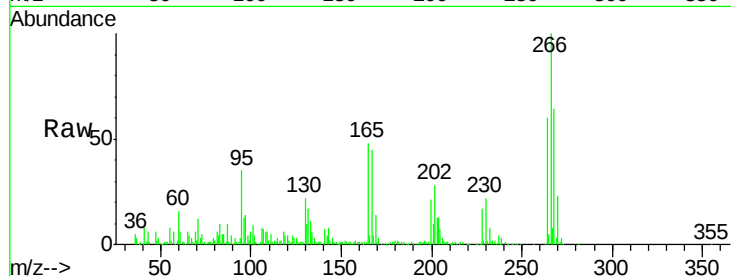




#68
 Pentachlorophenol
 Concen: 53.038 ng/ul
 RT: 16.65 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	59.9	49.3	73.9
268	63.7	52.6	78.8

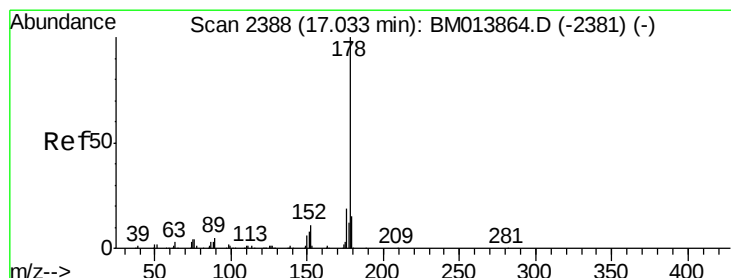
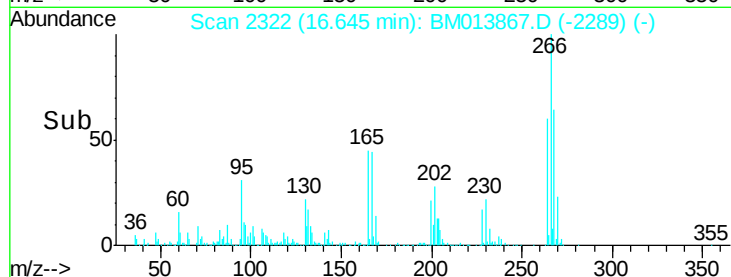
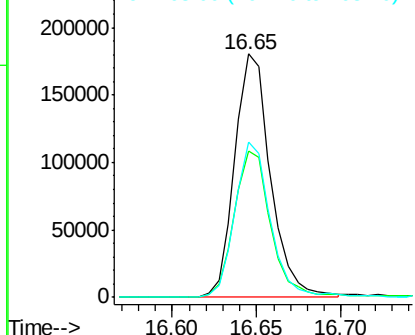


Abundance

Ion 265.70 (265.40 to 266.40): E

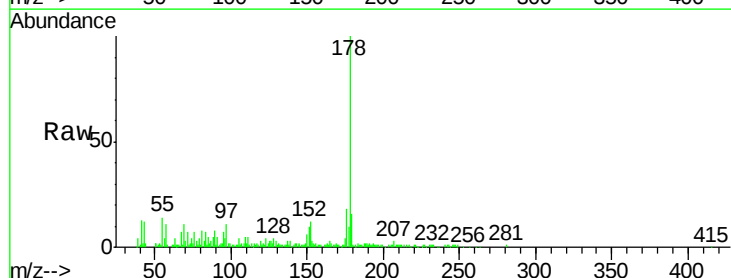
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 3.182 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.00 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.6	19.0
176	17.6	14.9	22.3

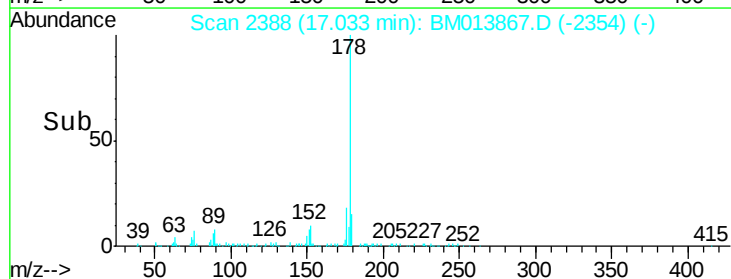
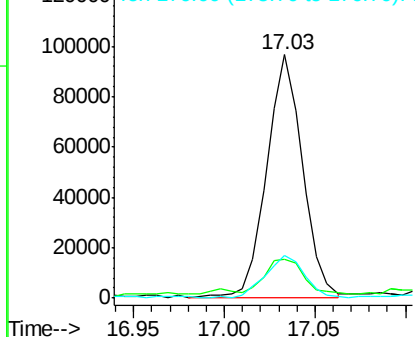


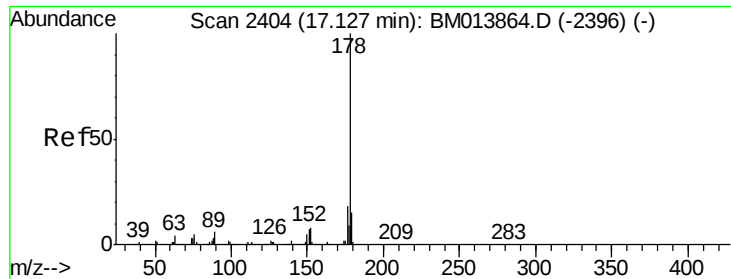
Abundance

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

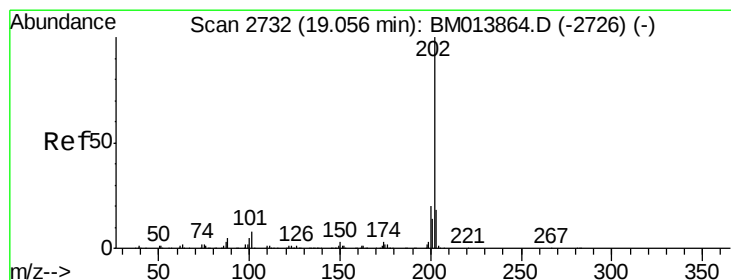
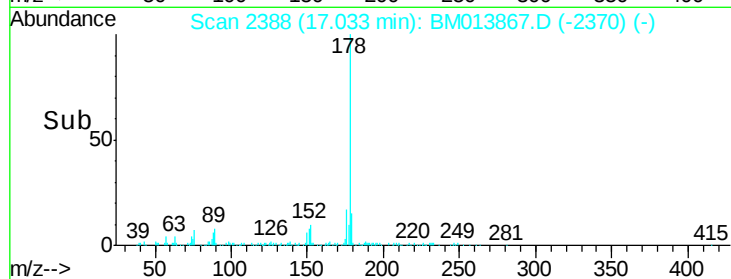
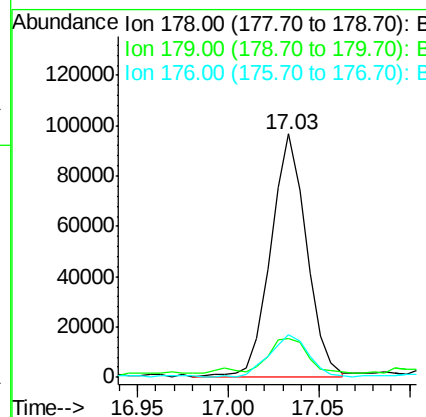
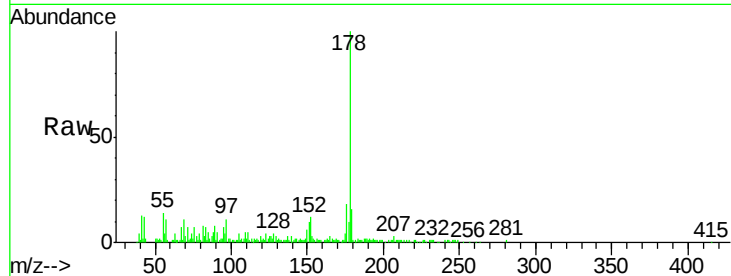




#71
 Anthracene
 Concen: 3.085 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. -0.09 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

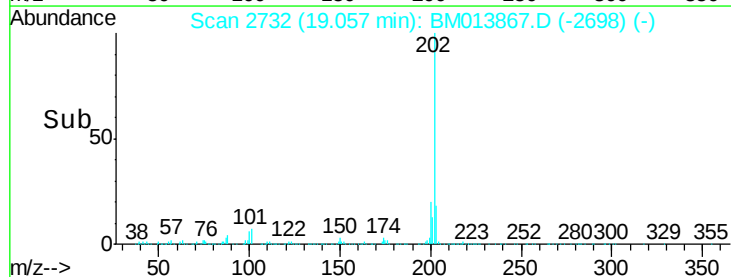
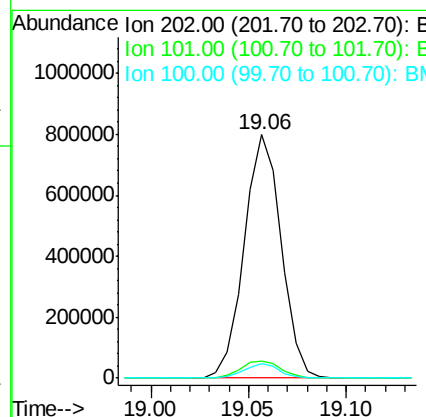
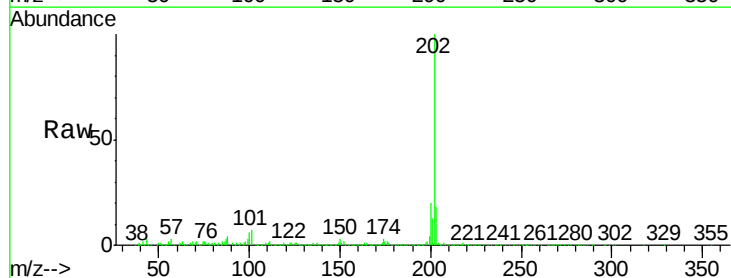
Instrument :
 BNA_M
 ClientSampleId :

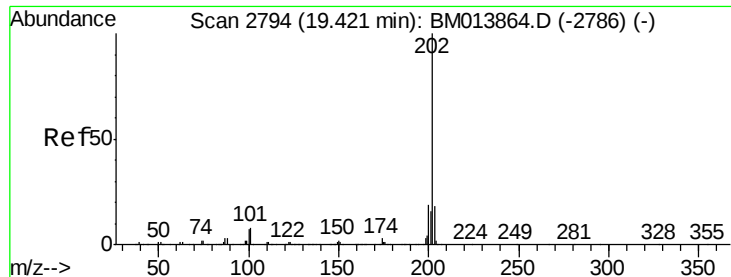
Tot Ion:178 Resp: 131781
 Ion Ratio Lower Upper
 178 100
 179 16.2 11.7 17.5
 176 17.6 14.6 21.8



#74
 Fluoranthene
 Concen: 21.166 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

Tgt Ion:202 Resp: 1046376
 Ion Ratio Lower Upper
 202 100
 101 6.8 4.6 7.0
 100 5.8 3.4 5.2#

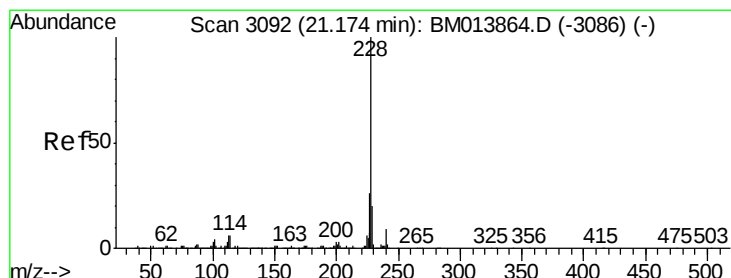
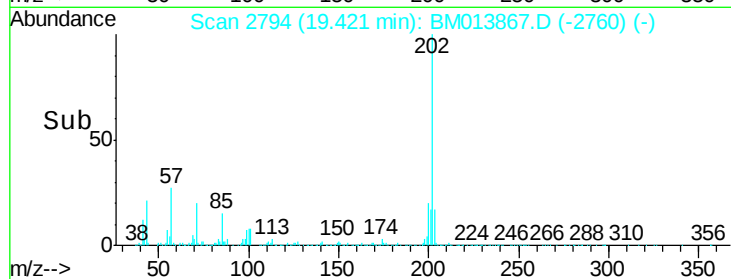
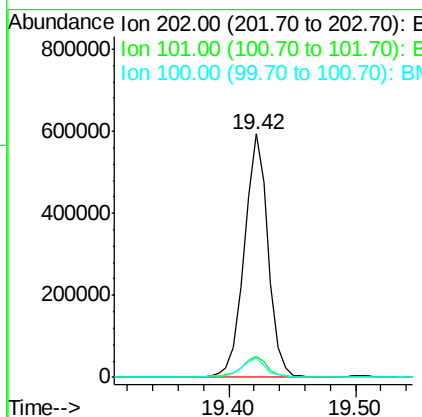
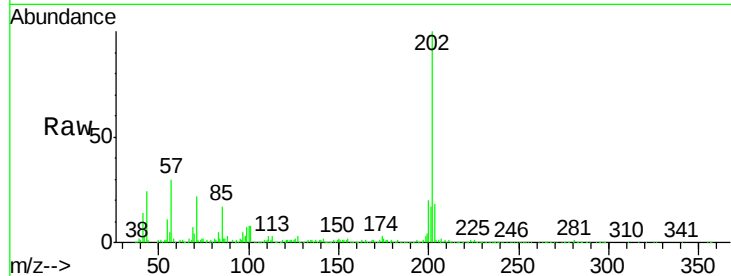




#77
 Pvrene
 Concen: 15.969 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

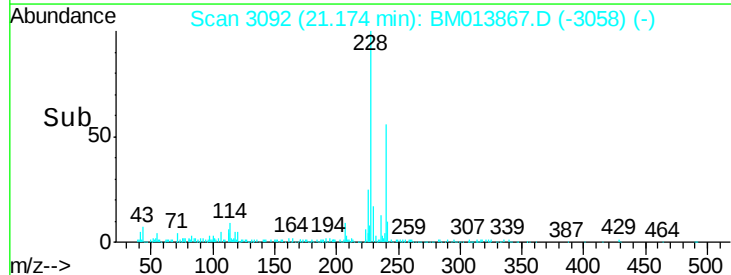
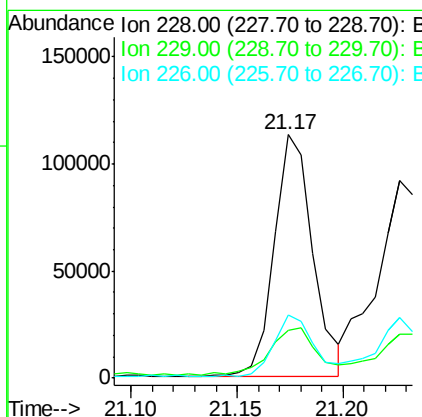
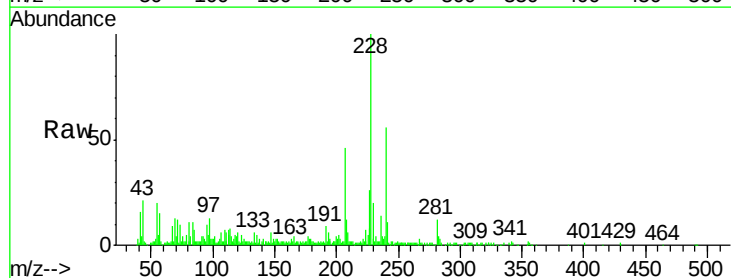
Instrument :
 BNA_M
 ClientSampleId :

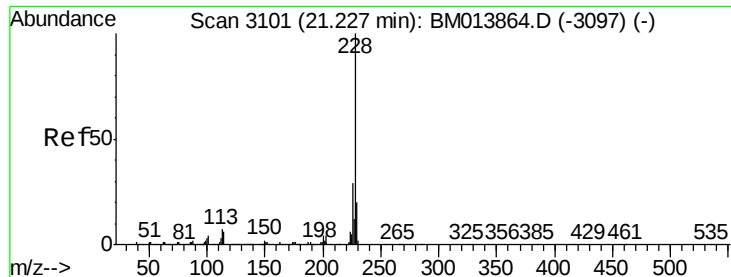
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	5.1	7.7#
100	7.8	4.9	7.3#



#80
 Benzo(a)anthracene
 Concen: 3.015 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BM013867.D
 Acq: 27 Jan 2018 04:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.0
226	25.9	21.4	32.0





#82

Chrysene

Concen: 3.154 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

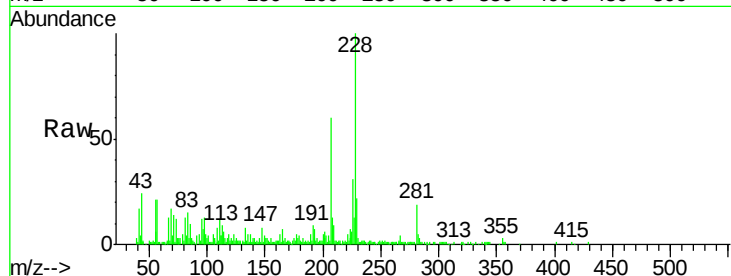
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 138017

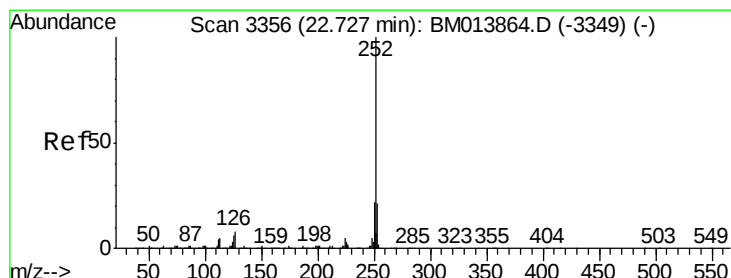
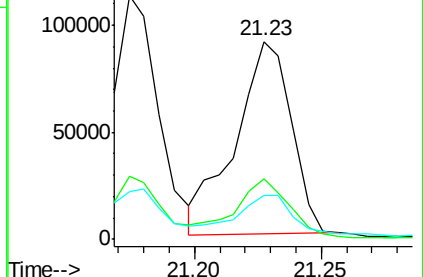
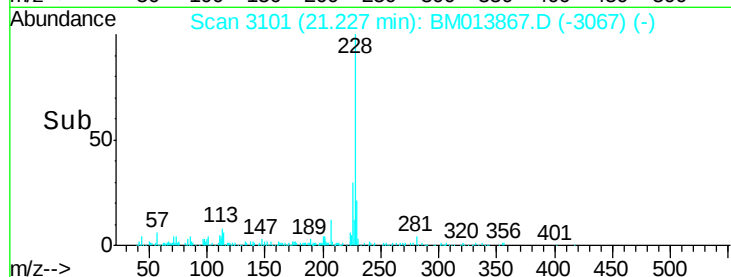
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.1	15.5	23.3



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: 1.390 ng/ul

RT: 22.73 min Scan# 3356

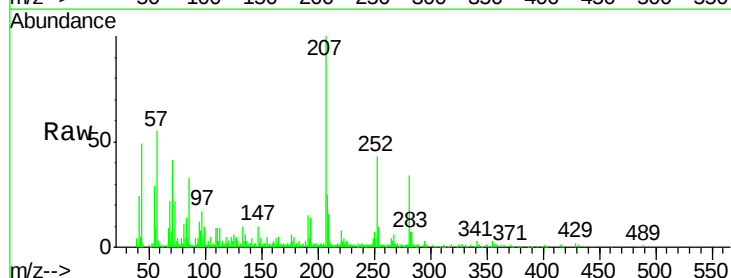
Delta R.T. 0.00 min

Lab File: BM013867.D

Acq: 27 Jan 2018 04:59

Tgt Ion:252 Resp: 69042

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	14.0	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

