

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013430.D
 Acq On : 15 Dec 2017 08:23
 Operator : SJ/JU
 Sample : I6776-03 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 10:03:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	259791	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1116558	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	638396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1334302	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1128723	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	920773	20.00	ng/ul	0.00

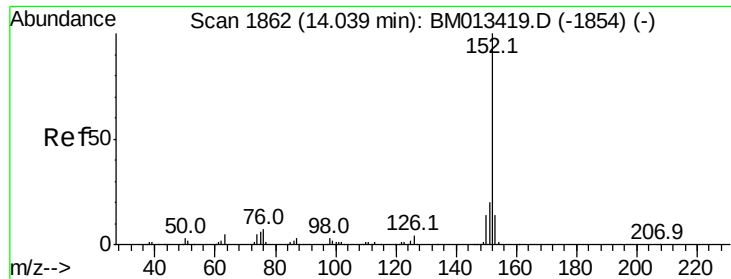
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1973	0.38	ng/uL	0.00
5) Phenol-d5	6.85	99	78010	3.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	45556	3.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	61628	3.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	66218	3.45	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	32805	3.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	37423	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	68865	3.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	23251	1.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	245538	4.32	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	296663	4.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	30865	3.13	ng/ul	0.00
57) Fluorene-d10	15.32	176	207965	4.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	23891	2.85	ng/ul	0.00
70) Anthracene-d10	17.16	188	305722	4.57	ng/ul	0.00
76) Pyrene-d10	19.48	212	319963	5.69	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.35	264	201111	4.29	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	14.04	152	573854	8.845	ng/ul	99
49) Acenaphthene	14.38	153	53132	1.202	ng/ul	97
58) Fluorene	15.37	166	55682	1.032	ng/ul	86
68) Pentachlorophenol	16.72	266	68921	6.889	ng/ul	94
69) Phenanthrene	17.11	178	661978	8.733	ng/ul	99
71) Anthracene	17.20	178	1276908	16.480	ng/ul	98
74) Fluoranthene	19.14	202	3619315	38.961	ng/ul#	73
80) Benzo(a)anthracene	21.26	228	12193300	170.262	ng/ul	96
82) Chrysene	21.26	228	12193300	183.523	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	8643897	139.259	ng/ul#	97
86) Benzo(k)fluoranthene	22.87	252	2908805	49.798	ng/ul#	98
88) Benzo(a)pyrene	23.40	252	2896149	51.941	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.72	276	1440219	26.032	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.72	278	402854	8.552	ng/ul#	89
91) Benzo(g,h,i)perylene	26.40	276	1054633	24.167	ng/ul#	95

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



#47

Acenaphthylene

Concen: 8.845 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

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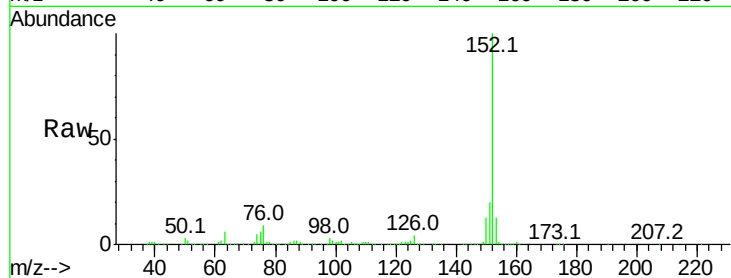
Instrument :

BNA_M

ClientSampled :

Tot Ion:152 Resp: 573854

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	12.6	10.2	15.4

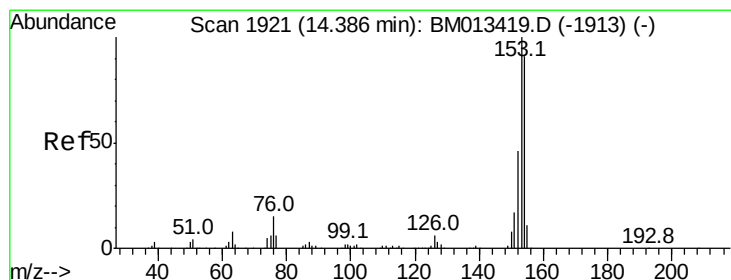
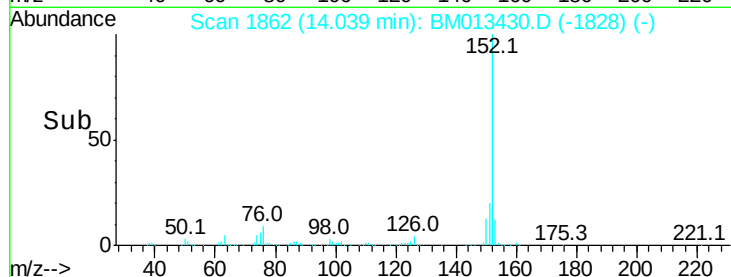
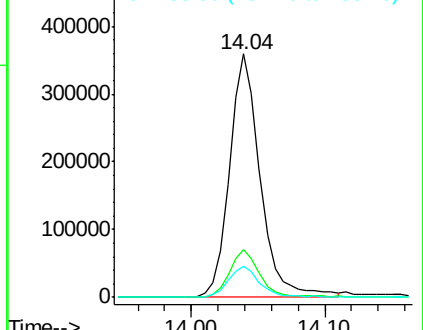


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 1.202 ng/ul

RT: 14.38 min Scan# 1920

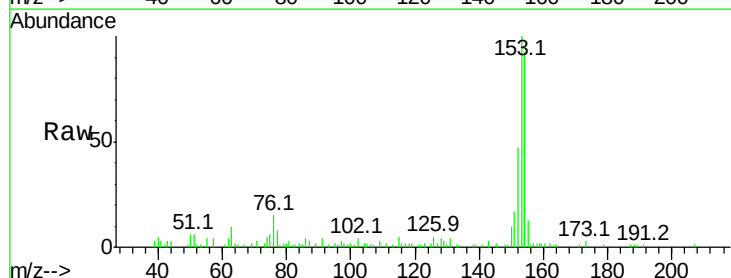
Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Tgt Ion:153 Resp: 53132

Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.6	56.4
154	92.4	70.4	105.6

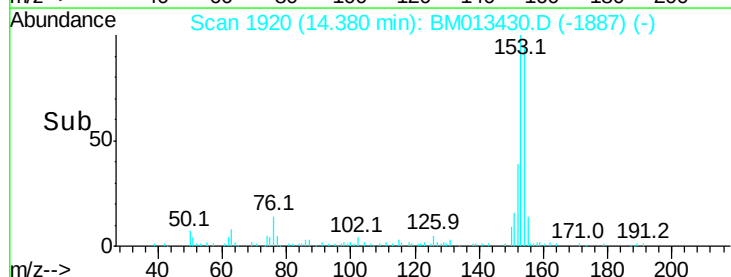
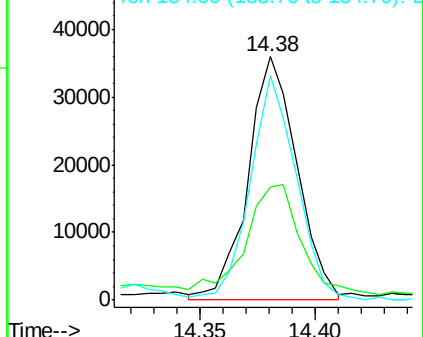


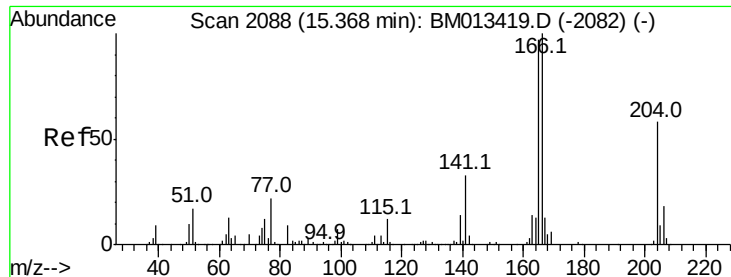
Abundance

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





#58

Fluorene

Concen: 1.032 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

ClientSampleId :

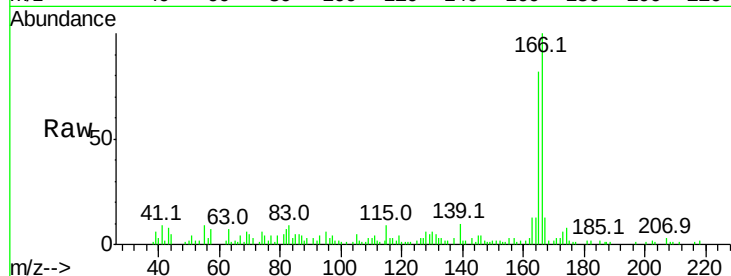
Tot Ion:166 Resp: 55682

Ion Ratio Lower Upper

166 100

165 81.9 77.9 116.9

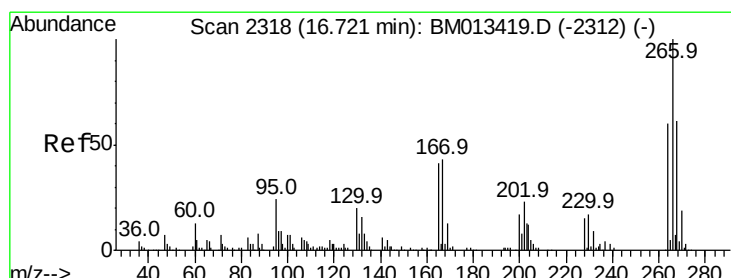
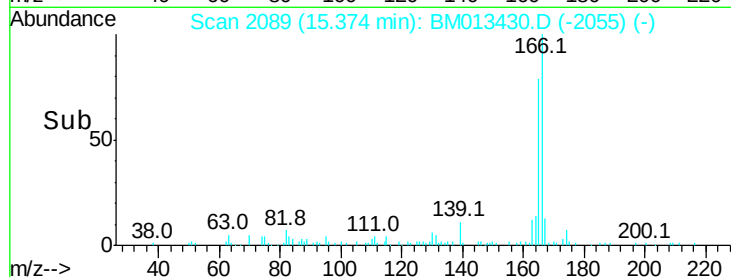
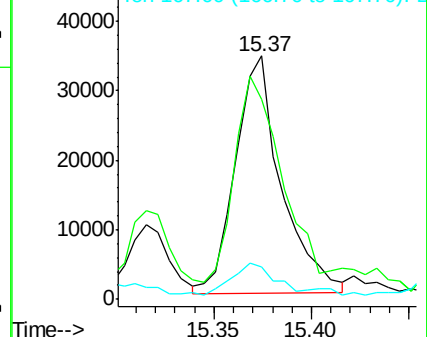
167 13.3 10.6 16.0



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



#68

Pentachlorophenol

Concen: 6.889 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

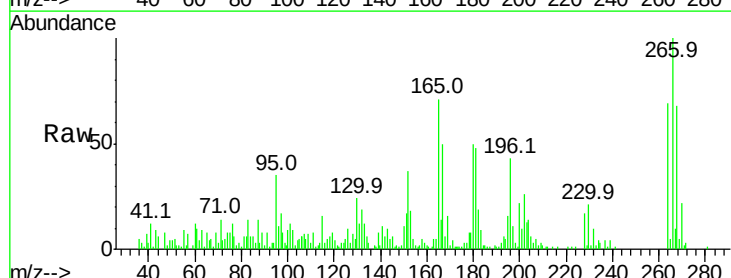
Tgt Ion:266 Resp: 68921

Ion Ratio Lower Upper

266 100

264 69.2 49.3 73.9

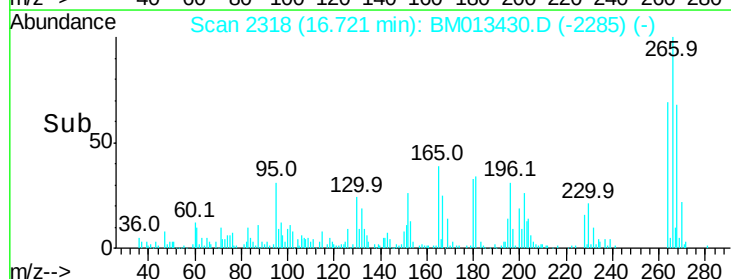
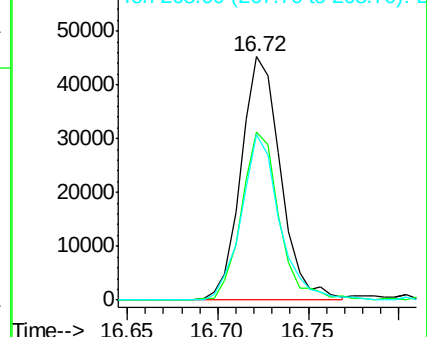
268 68.0 52.6 78.8

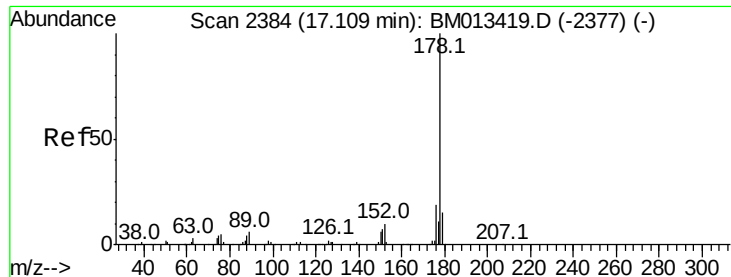


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 8.733 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

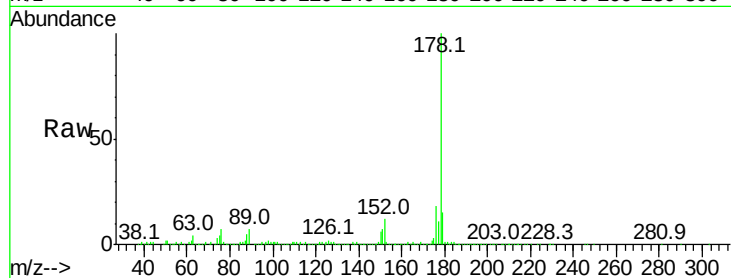
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 661978

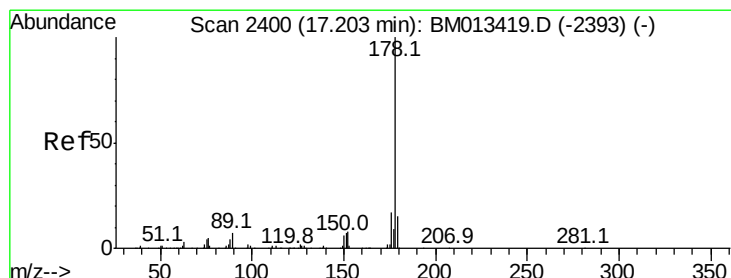
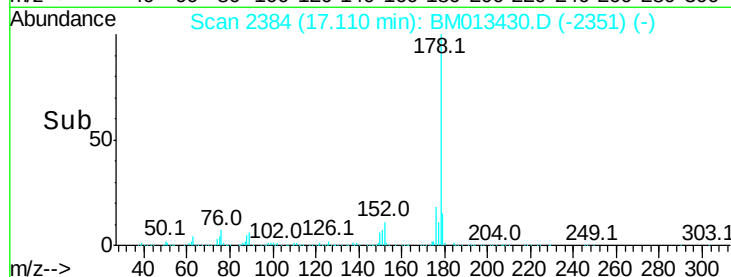
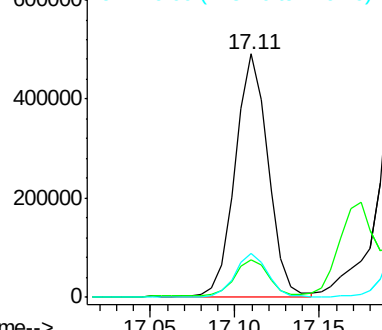
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	17.9	14.9	22.3



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: 16.480 ng/ul

RT: 17.20 min Scan# 2400

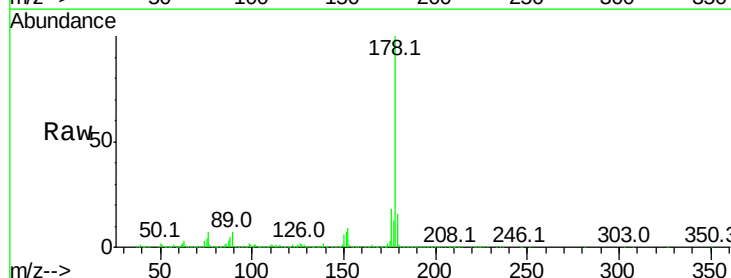
Delta R.T. 0.00 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Tgt Ion:178 Resp: 1276908

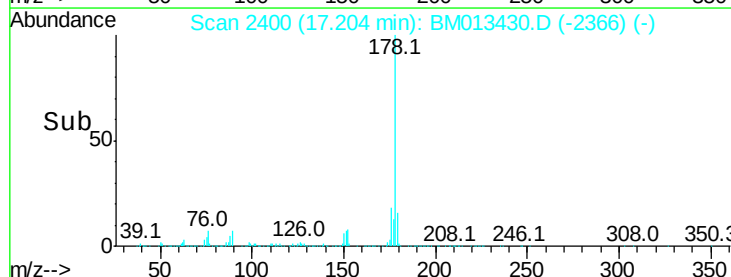
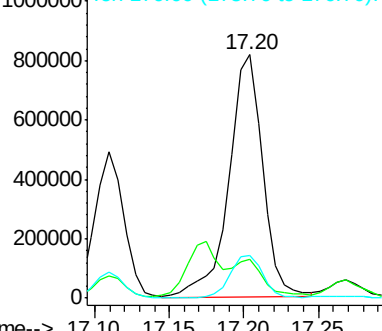
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	17.6	14.6	21.8

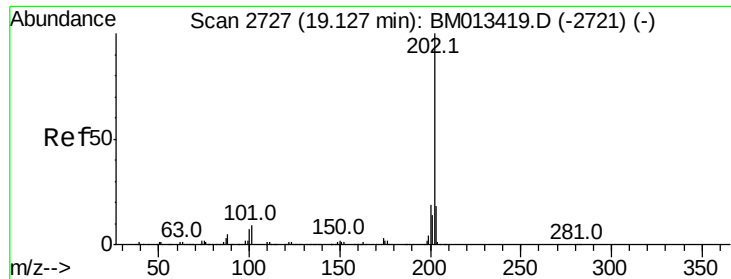


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

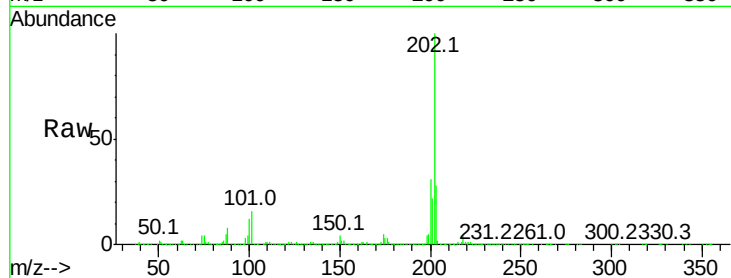




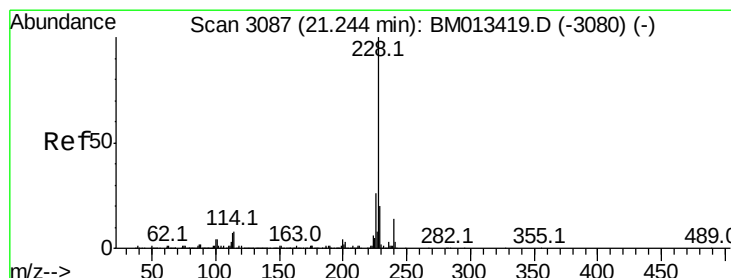
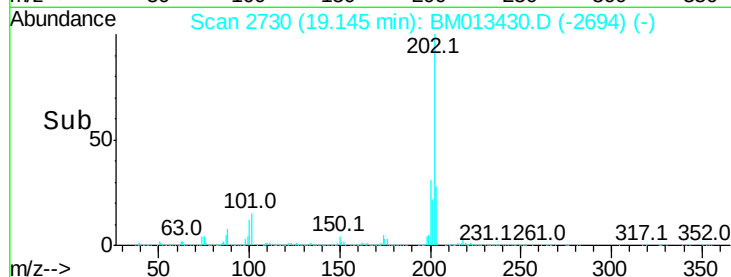
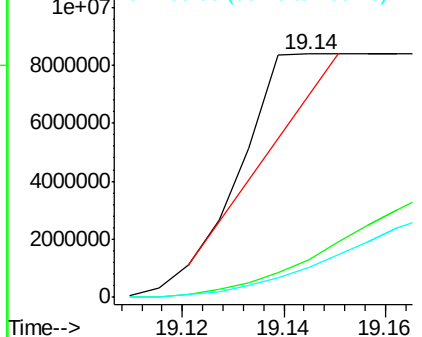
#74
 Fluoranthene
 Concen: 38.961 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM013430.D
 Acq: 15 Dec 2017 08:23

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 3619315
 Ion Ratio Lower Upper
 202 100
 101 15.7 4.6 7.0#
 100 12.1 3.4 5.2#

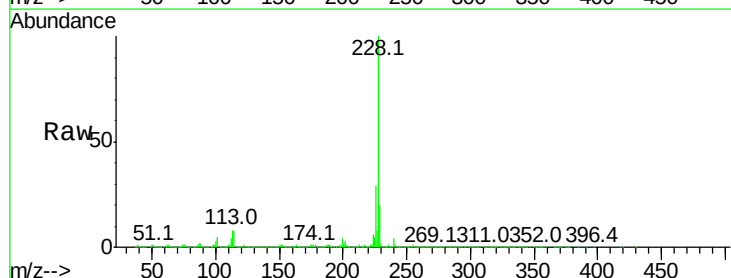


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

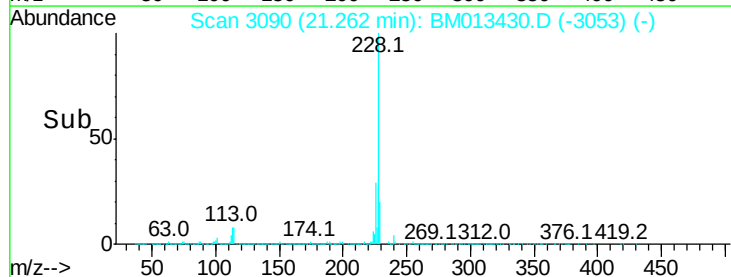
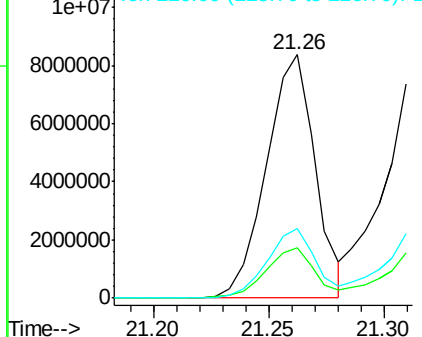


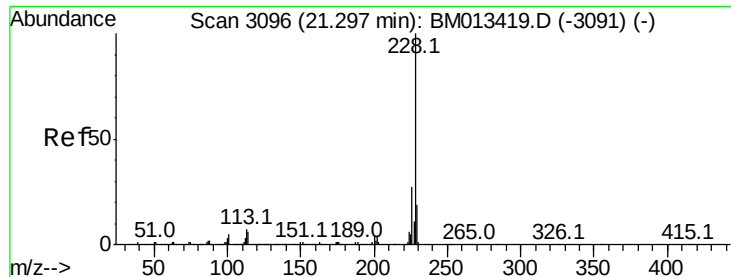
#80
 Benzo(a)anthracene
 Concen: 170.262 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.02 min
 Lab File: BM013430.D
 Acq: 15 Dec 2017 08:23

Tgt Ion:228 Resp:12193300
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.4 23.0
 226 28.8 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

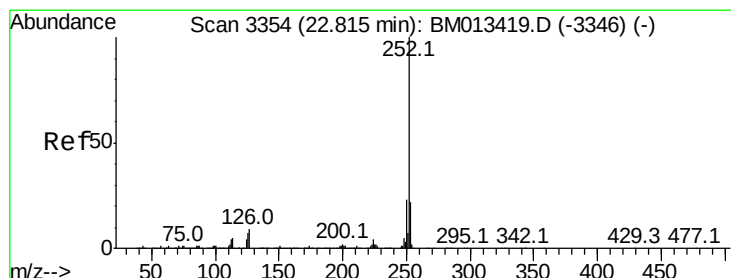
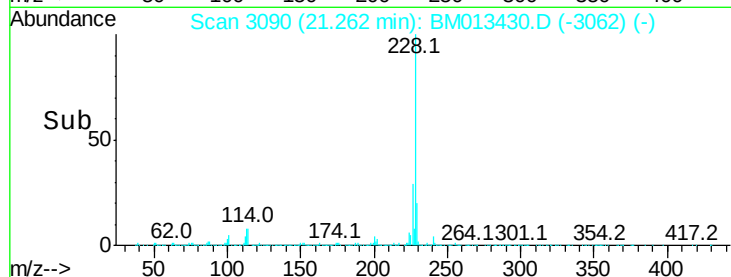
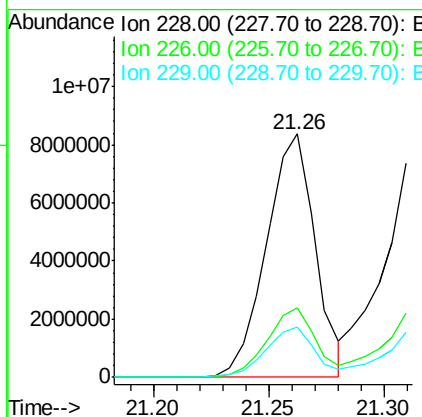
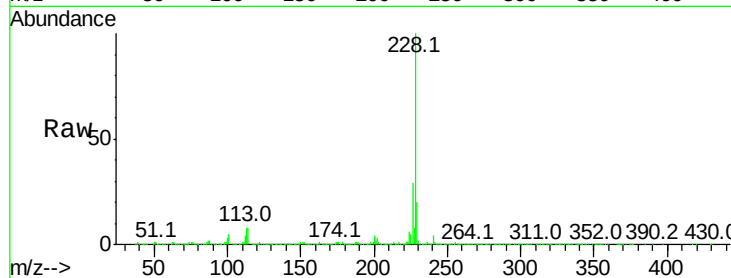




#82
Chrysene
Concen: 183.523 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. -0.04 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

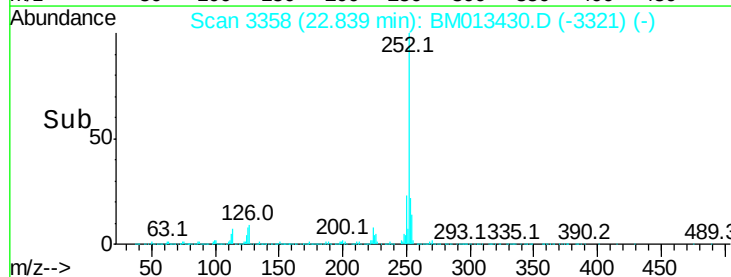
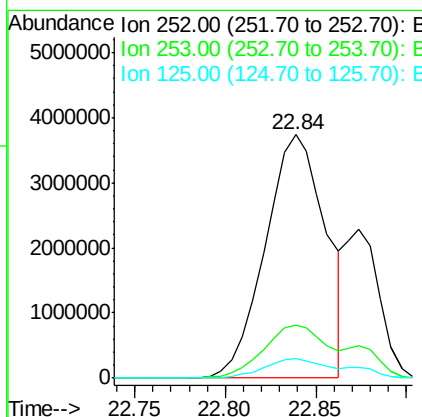
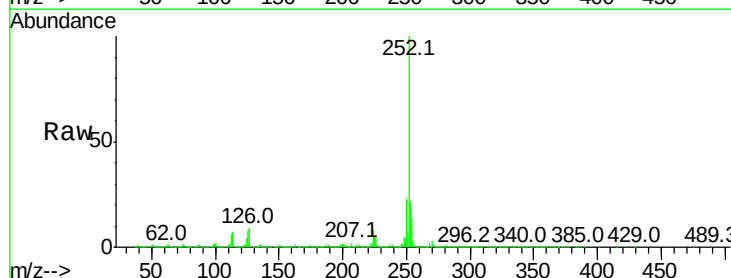
Instrument :
BNA_M
ClientSampleId :

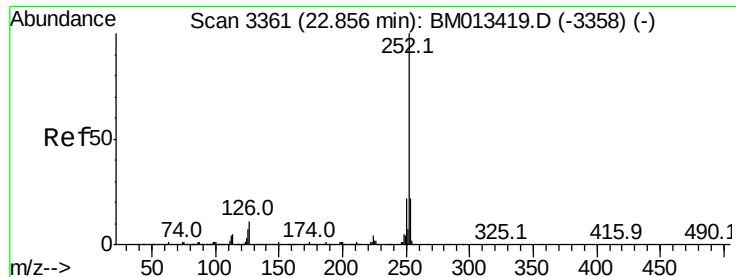
Tot Ion:228 Resp:12193300
Ion Ratio Lower Upper
228 100
226 28.8 23.4 35.2
229 20.5 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 139.259 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.02 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Tgt Ion:252 Resp: 8643897
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 7.9 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 49.798 ng/ul

RT: 22.87 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

ClientSampleId :

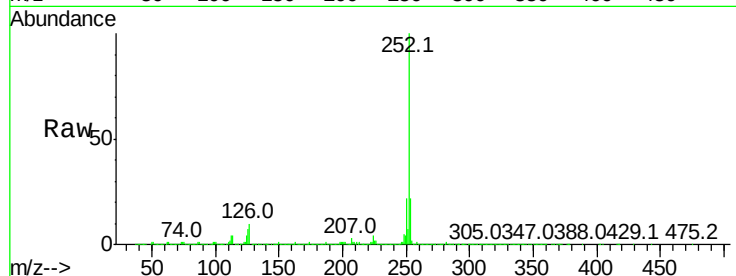
Tot Ion:252 Resp: 2908805

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

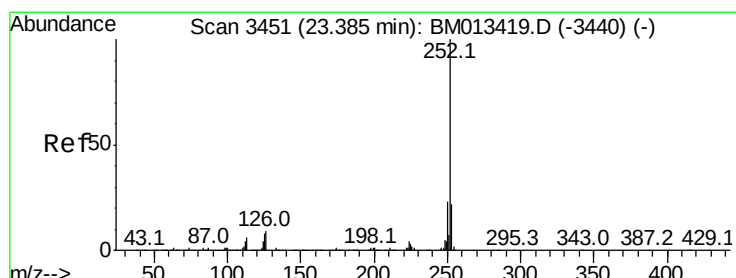
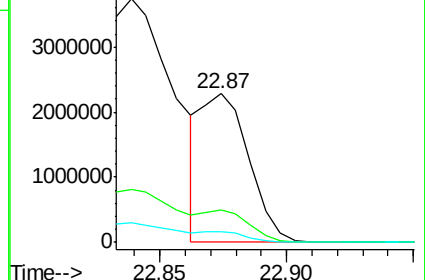
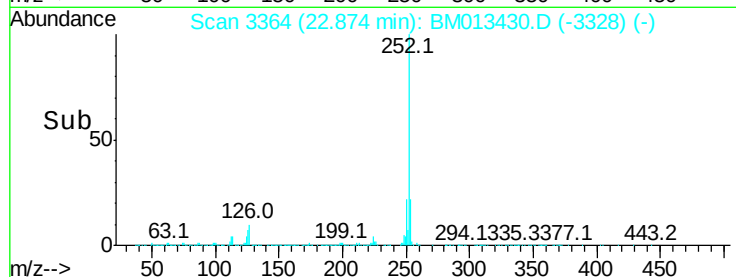
125 7.0 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 51.941 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

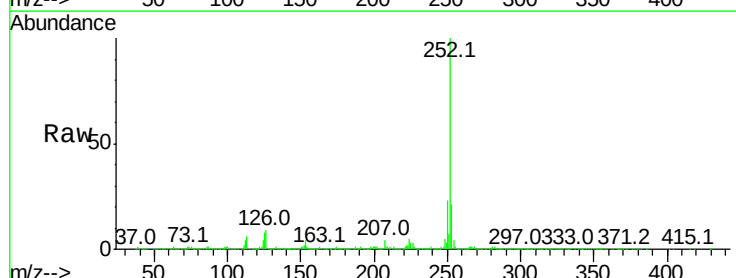
Tgt Ion:252 Resp: 2896149

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

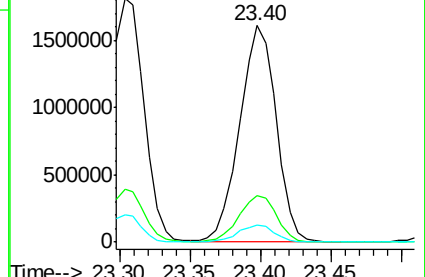
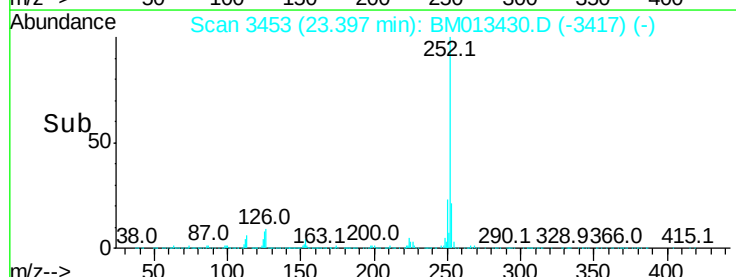
125 7.8 4.0 6.0#

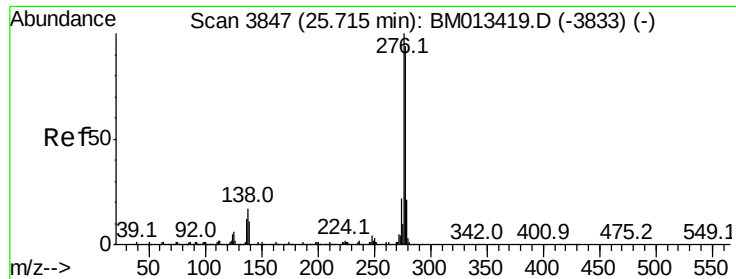


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



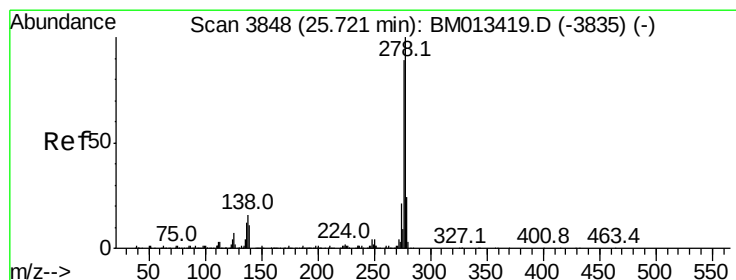
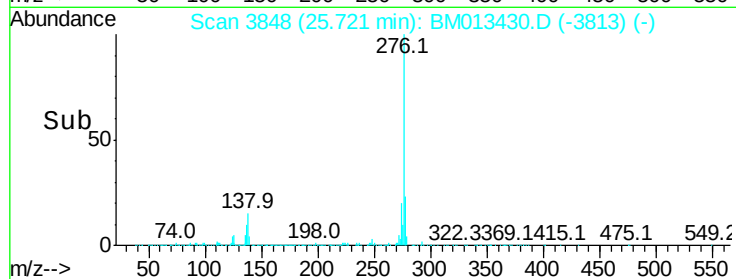
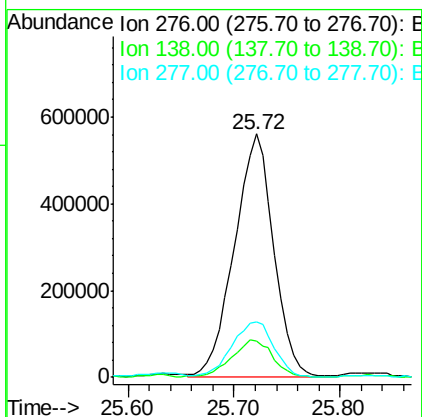
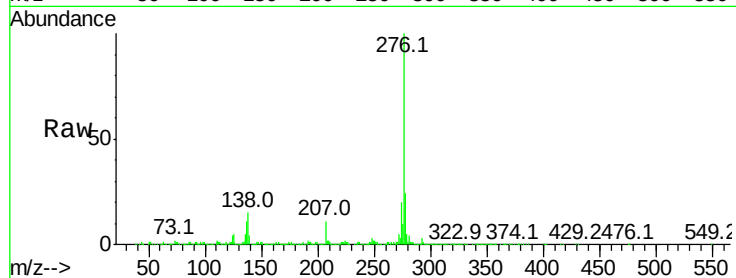


#89

Indeno(1,2,3-cd)pyrene
Concen: 26.032 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Instrument :
BNA_M
ClientSampleId :

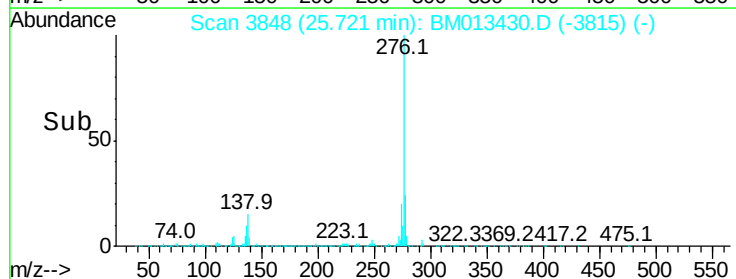
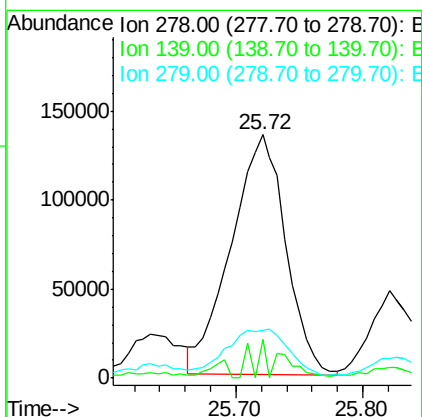
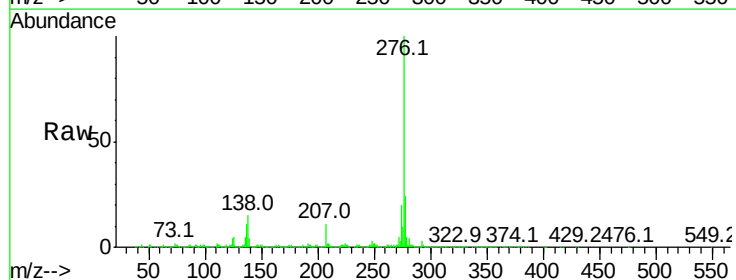
Tot Ion:276 Resp: 1440219
Ion Ratio Lower Upper
276 100
138 15.2 9.3 13.9#
277 22.9 19.9 29.9

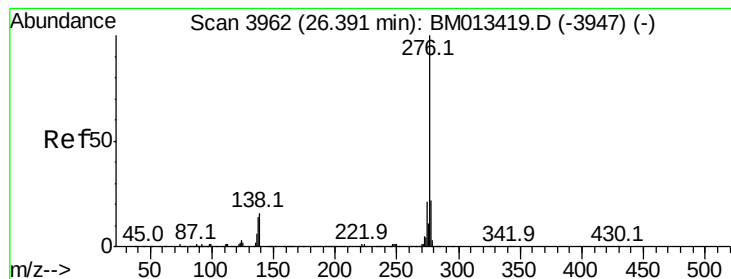


#90

Dibenzo(a,h)anthracene
Concen: 8.552 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM013430.D
Acq: 15 Dec 2017 08:23

Tgt Ion:278 Resp: 402854
Ion Ratio Lower Upper
278 100
139 15.9 5.8 8.8#
279 19.9 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 24.167 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM013430.D

Acq: 15 Dec 2017 08:23

Instrument :

BNA_M

ClientSampleId :

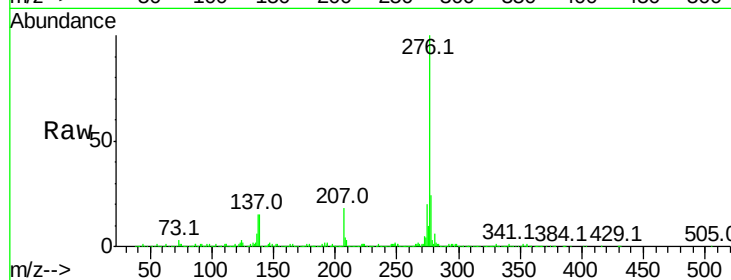
Tot Ion:276 Resp: 1054633

Ion Ratio Lower Upper

276 100

138 15.3 8.5 12.7#

277 24.1 18.6 28.0



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

