

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013381.D
 Acq On : 13 Dec 2017 19:35
 Operator : SJ/JU
 Sample : I6758-12ME 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 14 01:20:29 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 01:15:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	124363	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	554686	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	355685	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	960923	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1252212	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1158302	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	5452	2.17	ng/uL	0.00
5) Phenol-d5	6.86	99	123780	11.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	71013	11.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	99220	11.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	106349	11.57	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	55060	12.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	55314	11.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	114635	11.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	114342	12.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	398210	12.58	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	491607	12.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	48756	8.87	ng/ul	0.00
57) Fluorene-d10	15.32	176	374482	13.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	44267	7.32	ng/ul	0.00
70) Anthracene-d10	17.17	188	645960	13.42	ng/ul	0.00
76) Pyrene-d10	19.47	212	797305	12.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	725689	12.30	ng/ul	0.00

Target Compounds

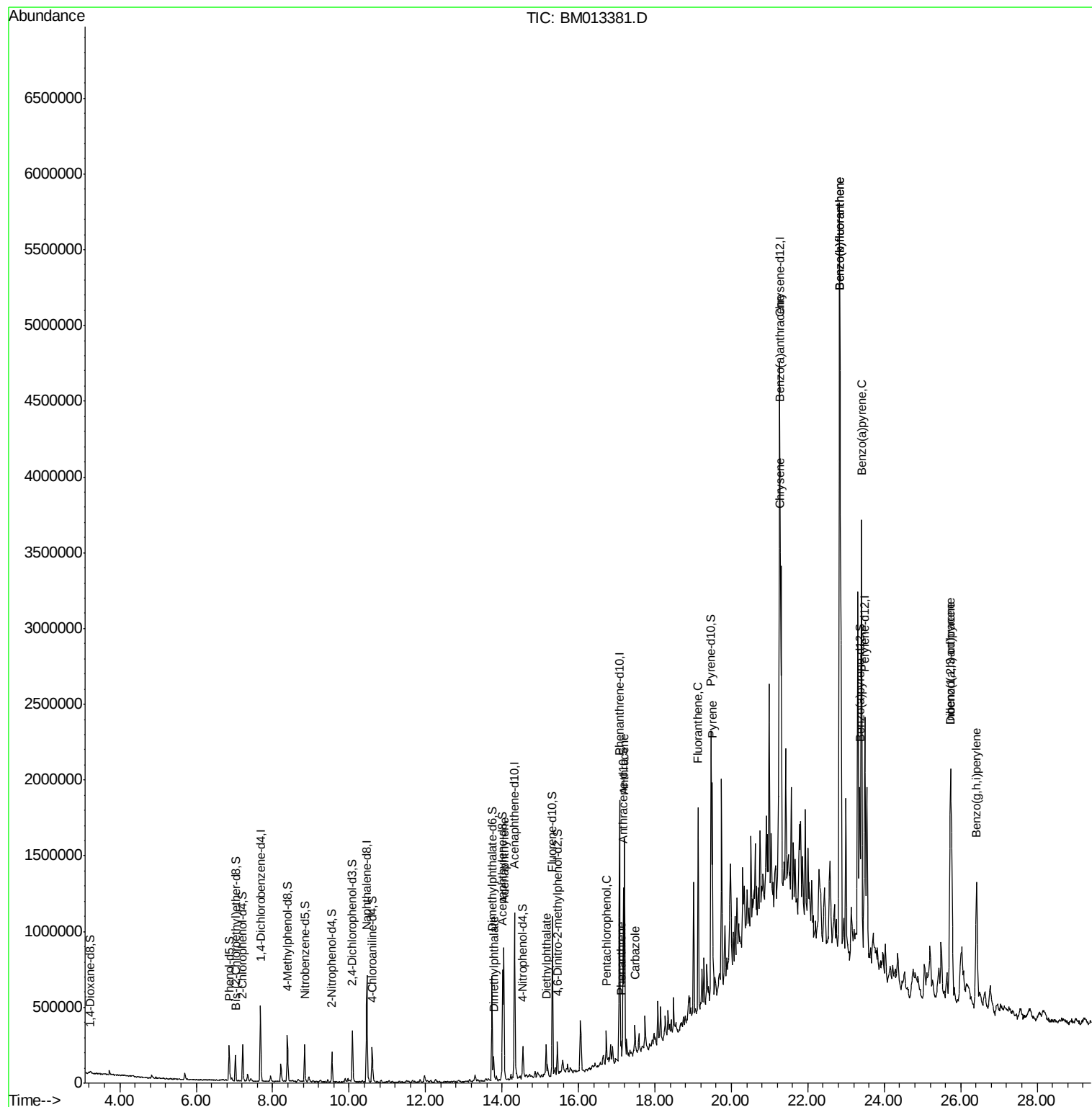
					Ovalue	
44) Dimethylphthalate	13.79	163	45203	1.493	ng/ul	97
47) Acenaphthylene	14.05	152	596721	16.509	ng/ul	98
56) Diethylphthalate	15.16	149	101676	3.349	ng/ul	97
68) Pentachlorophenol	16.73	266	21435	2.975	ng/ul	93
69) Phenanthrene	17.12	178	76208	1.396	ng/ul	95
71) Anthracene	17.21	178	884961	15.859	ng/ul	99
72) Carbazole	17.48	167	87994	1.833	ng/ul	95
74) Fluoranthene	19.13	202	763389	11.411	ng/ul#	94
77) Pyrene	19.50	202	815387	10.718	ng/ul#	90
80) Benzo(a)anthracene	21.25	228	854580	10.756	ng/ul#	88
82) Chrysene	21.29	228	668610	9.071	ng/ul	94
85) Benzo(b)fluoranthene	22.83	252	4154878	53.211	ng/ul#	96
86) Benzo(k)fluoranthene	22.83	252	4154878	56.543	ng/ul#	94
88) Benzo(a)pyrene	23.40	252	1896031	27.031	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.73	276	1334961	19.182	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.73	278	396205	6.686	ng/ul#	83
91) Benzo(g,h,i)perylene	26.41	276	1025649	18.683	ng/ul#	94

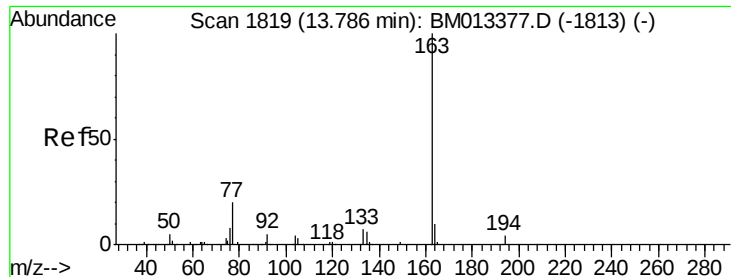
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.493 ng/ul

RT: 13.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

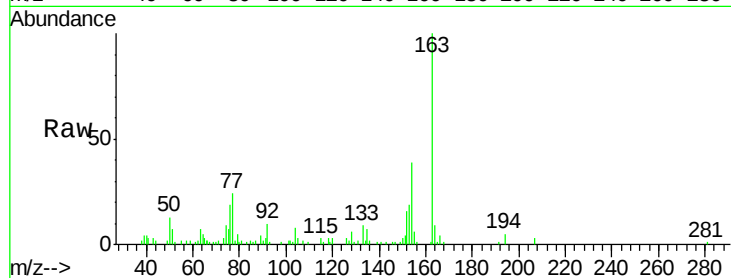
Tot Ion:163 Resp: 45203

Ion Ratio Lower Upper

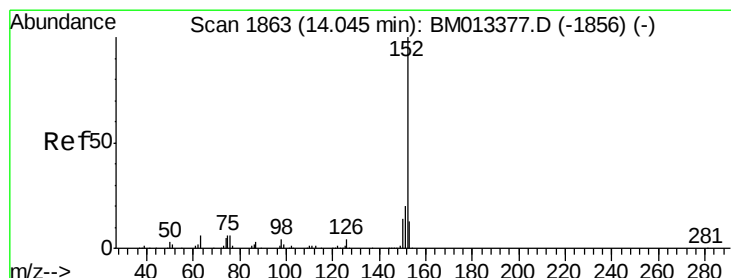
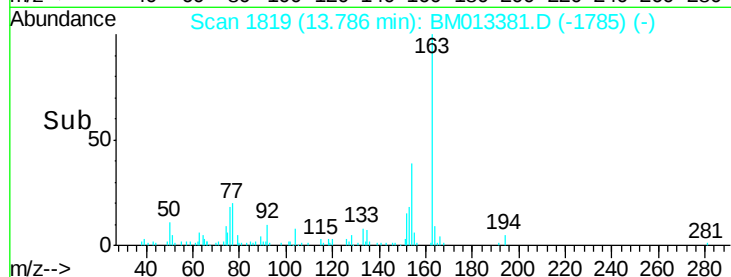
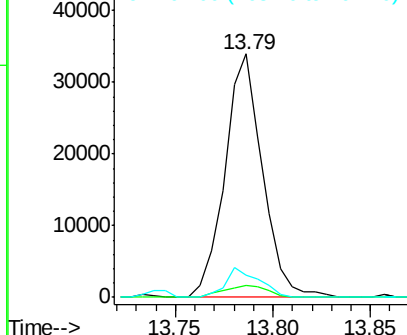
163 100

194 5.1 3.5 5.3

164 9.1 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



#47

Acenaphthylene

Concen: 16.509 ng/ul

RT: 14.05 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

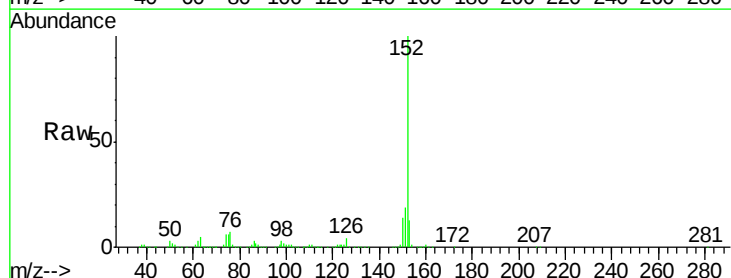
Tgt Ion:152 Resp: 596721

Ion Ratio Lower Upper

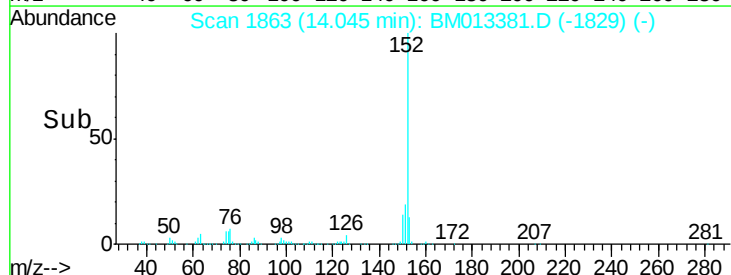
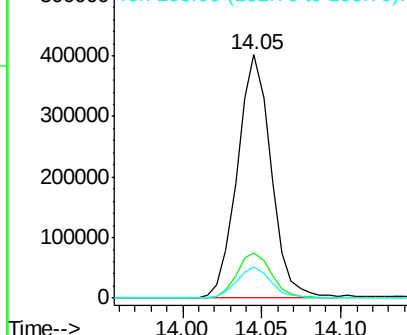
152 100

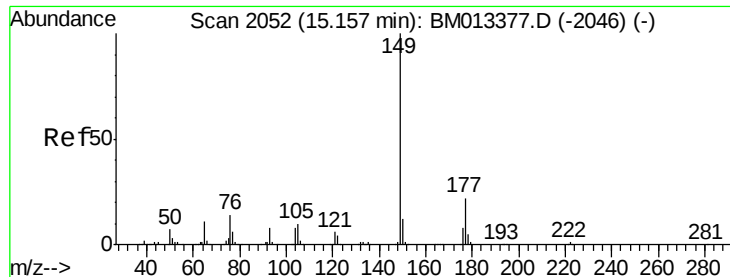
151 18.8 16.3 24.5

153 12.9 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





#56

Diethylphthalate

Concen: 3.349 ng/ul

RT: 15.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

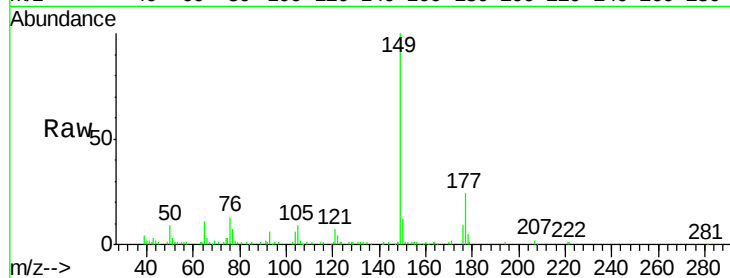
Tot Ion:149 Resp: 101676

Ion Ratio Lower Upper

149 100

177 24.0 20.5 30.7

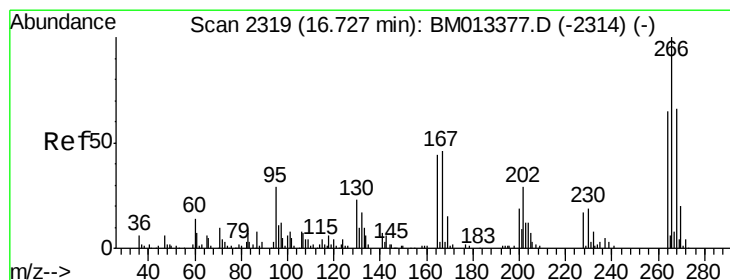
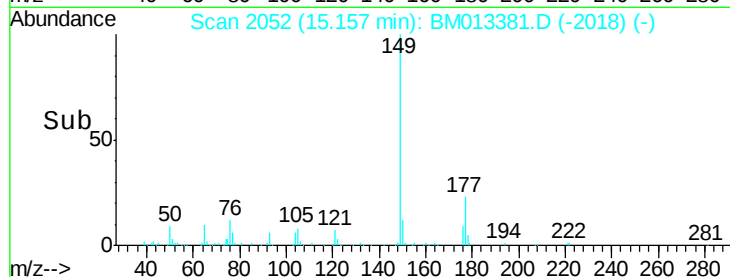
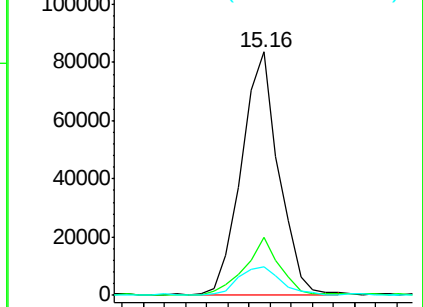
150 11.9 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#68

Pentachlorophenol

Concen: 2.975 ng/ul

RT: 16.73 min Scan# 2319

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

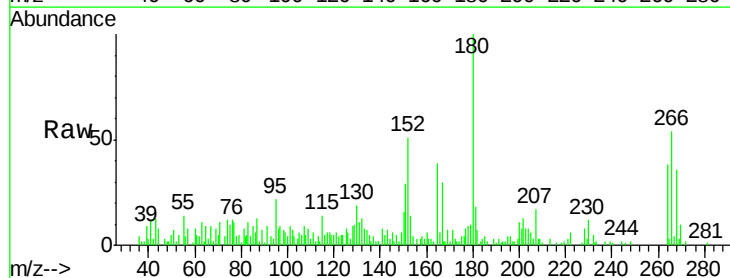
Tgt Ion:266 Resp: 21435

Ion Ratio Lower Upper

266 100

264 71.5 49.3 73.9

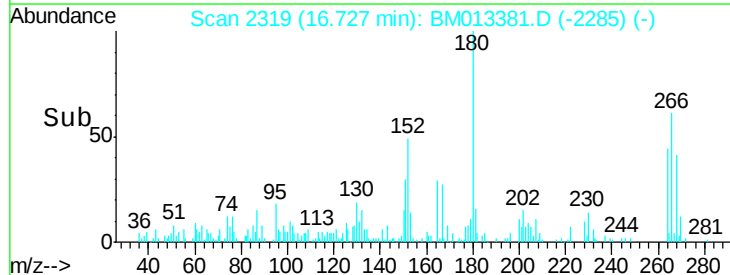
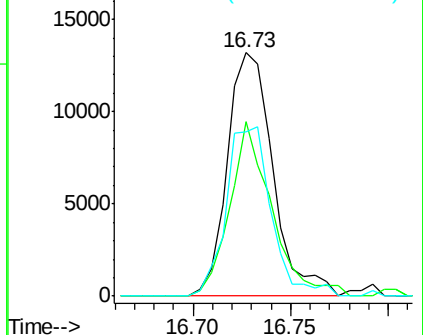
268 67.3 52.6 78.8

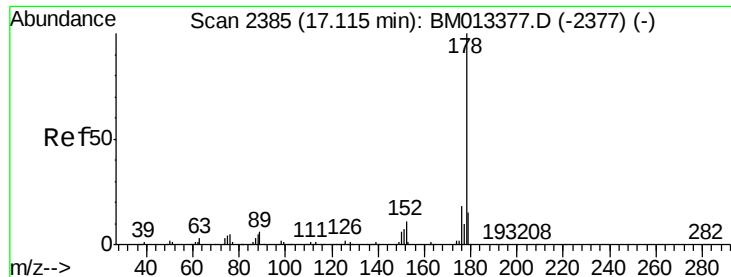


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 1.396 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

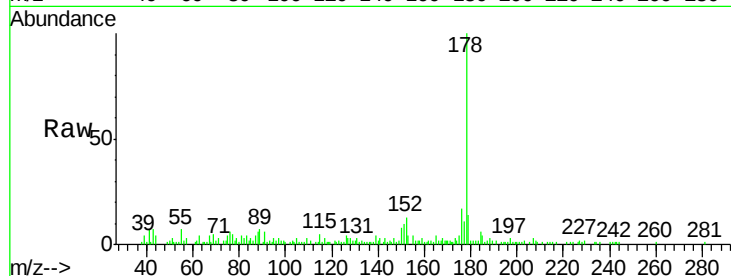
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 76208

Ion	Ratio	Lower	Upper
178	100		
179	13.6	12.6	19.0
176	16.7	14.9	22.3

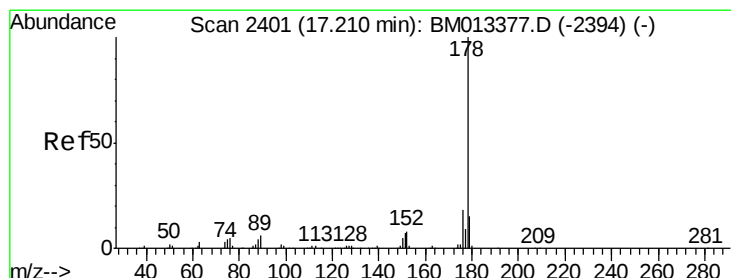
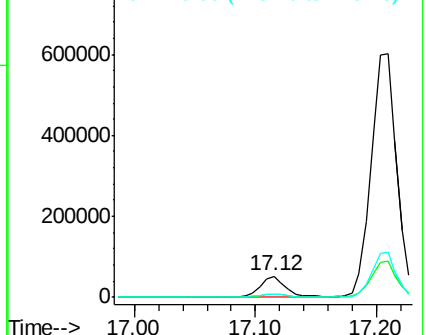
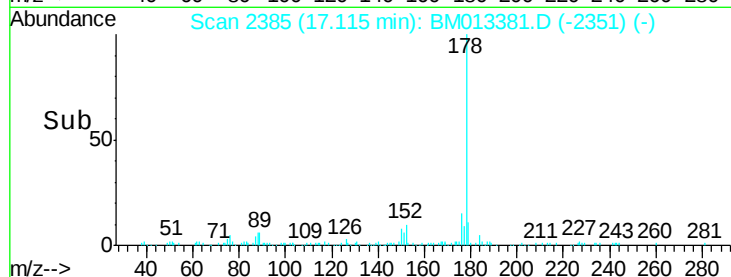


Abundance

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: 15.859 ng/ul

RT: 17.21 min Scan# 2401

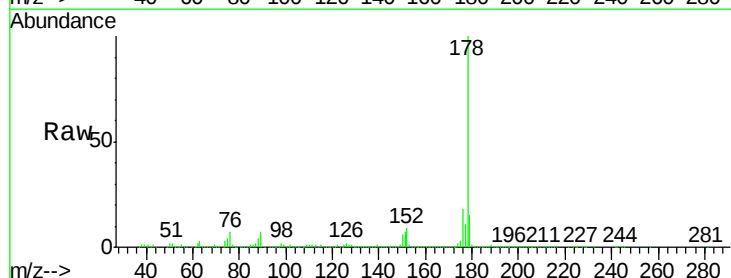
Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Tgt Ion:178 Resp: 884961

Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.7	17.5
176	18.5	14.6	21.8

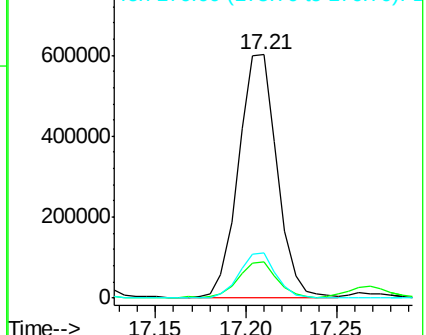
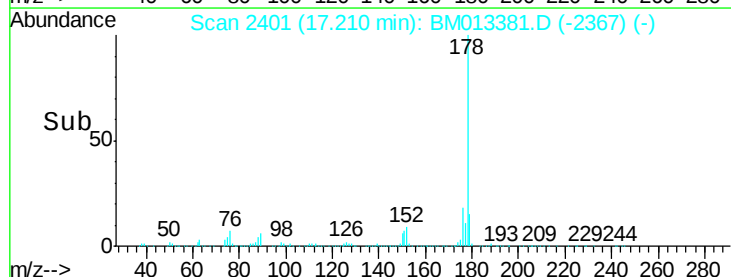


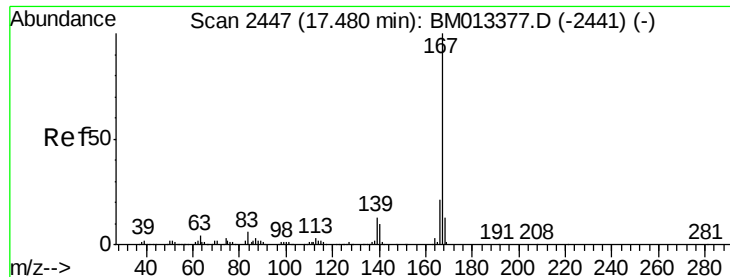
Abundance

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





#72

Carbazole

Concen: 1.833 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

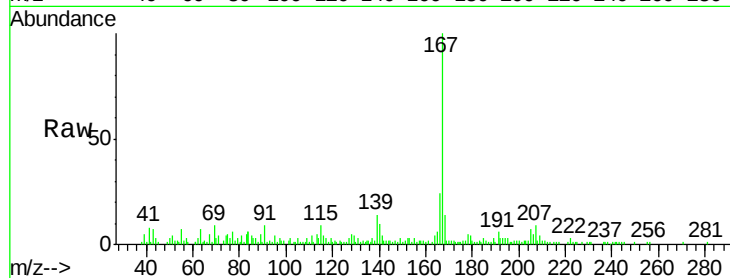
Tot Ion:167 Resp: 87994

Ion Ratio Lower Upper

167 100

166 24.2 17.1 25.7

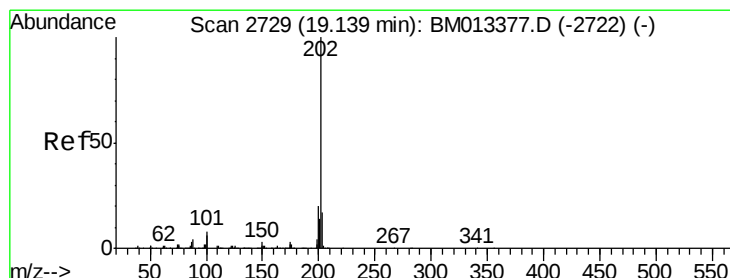
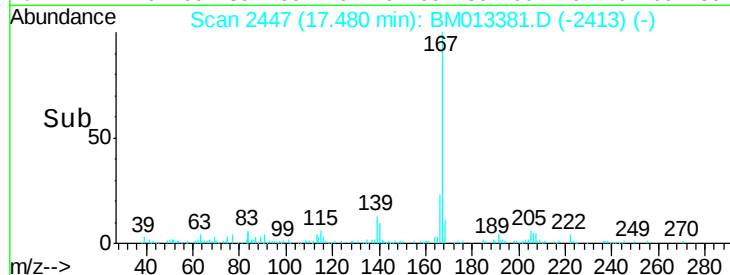
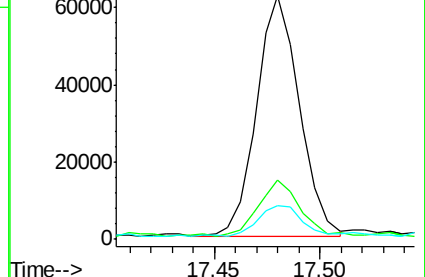
139 13.6 10.0 15.0



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: 11.411 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

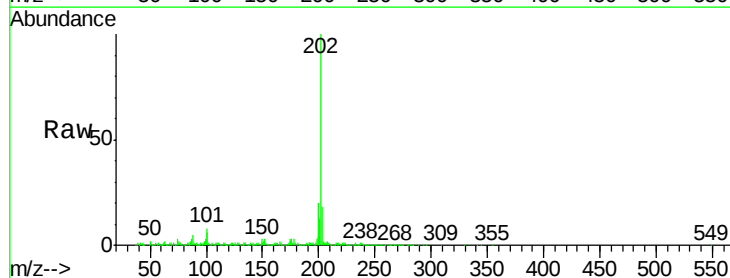
Tgt Ion:202 Resp: 763389

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

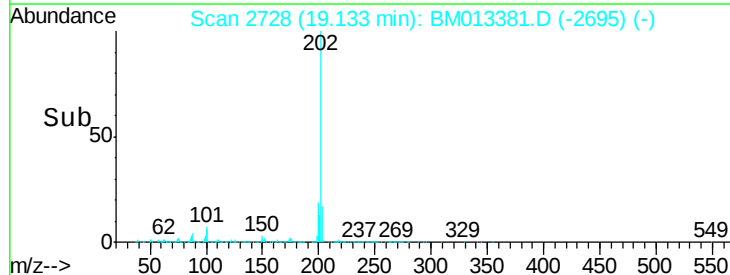
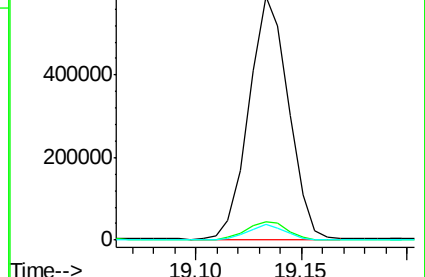
100 6.3 3.4 5.2#

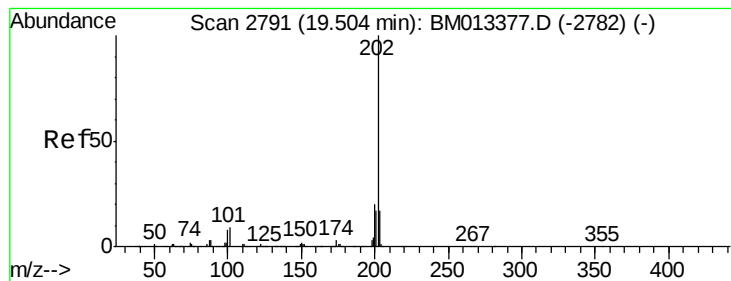


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 10.718 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

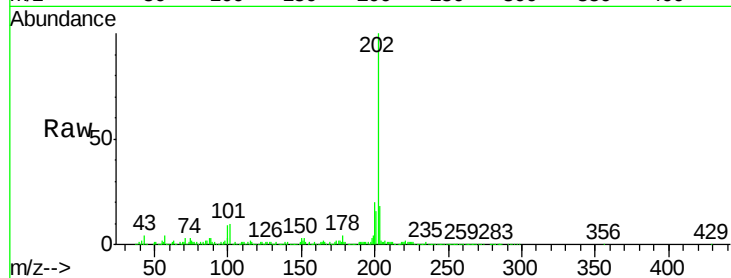
Tot Ion:202 Resp: 815387

Ion Ratio Lower Upper

202 100

101 10.2 5.1 7.7#

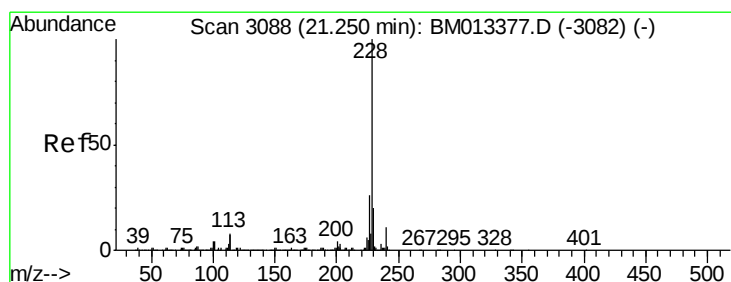
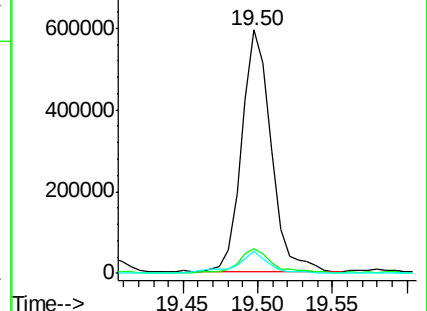
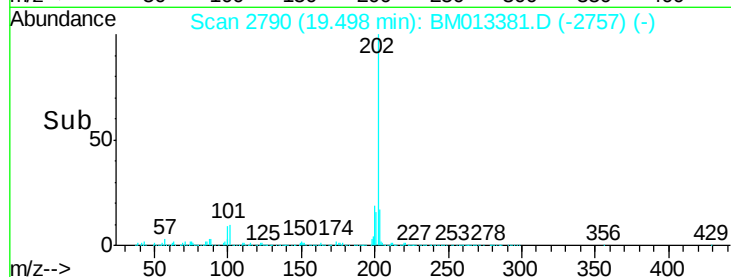
100 9.1 4.9 7.3#



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: 10.756 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

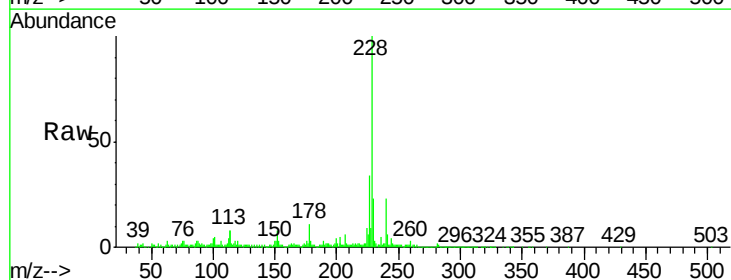
Tgt Ion:228 Resp: 854580

Ion Ratio Lower Upper

228 100

229 23.1 15.4 23.0#

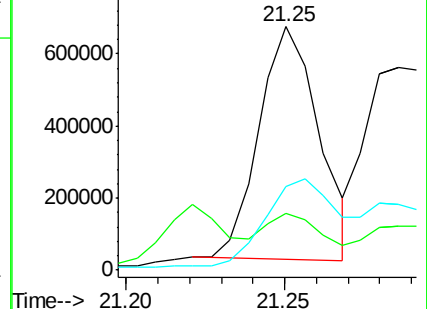
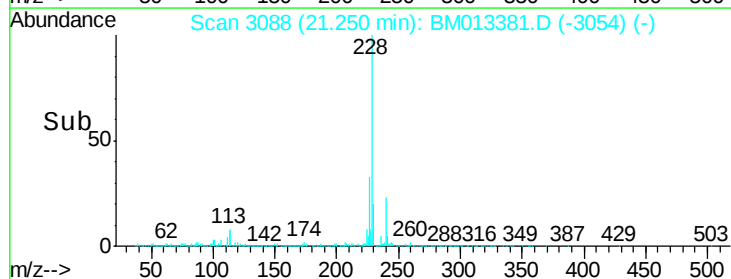
226 34.4 21.4 32.0#

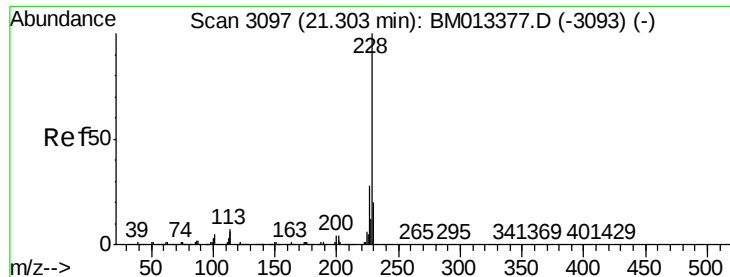


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 9.071 ng/ul

RT: 21.29 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

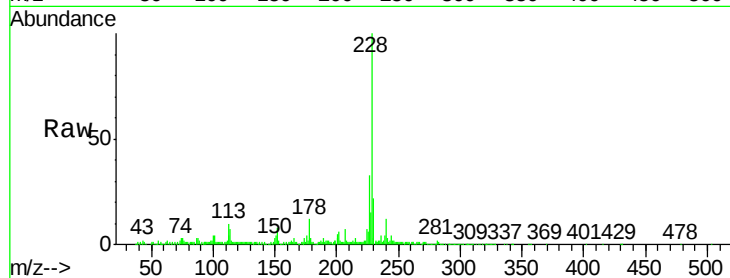
Tot Ion:228 Resp: 668610

Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.4	35.2
229	21.6	15.5	23.3

228 100

226 32.7 23.4 35.2

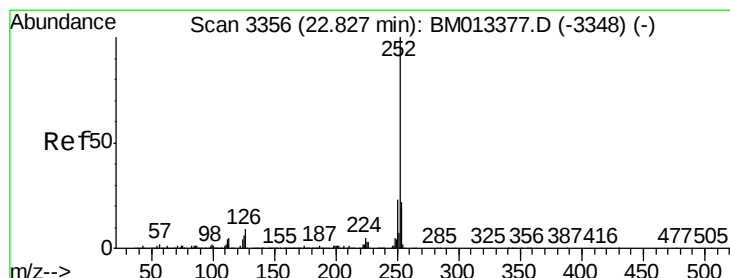
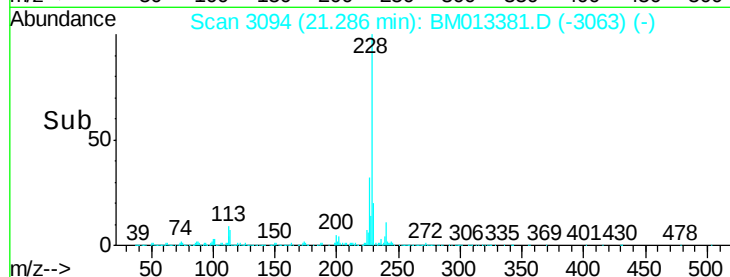
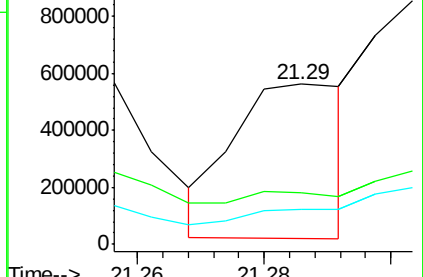
229 21.6 15.5 23.3



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: 53.211 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

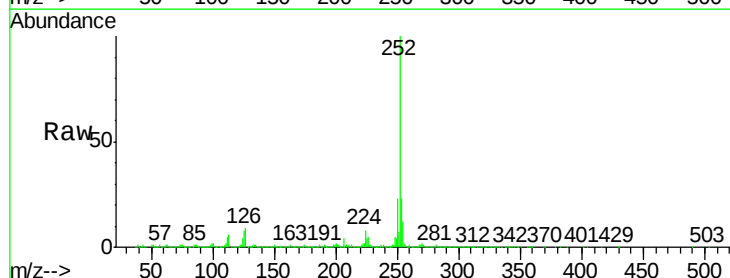
Tgt Ion:252 Resp: 4154878

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.0	3.6	5.4

252 100

253 23.5 17.9 26.9

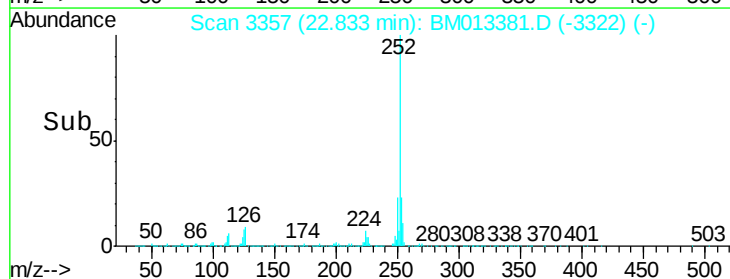
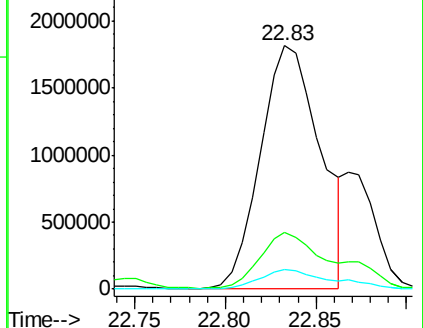
125 8.0 3.6 5.4

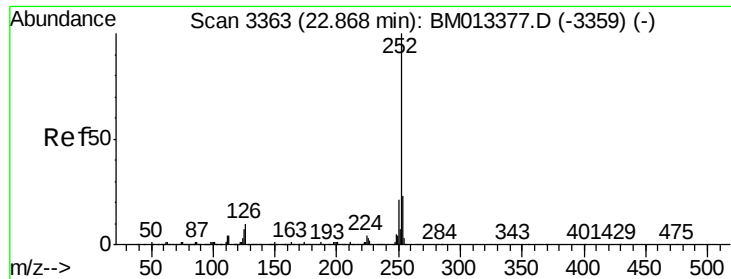


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 56.543 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. -0.04 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampled :

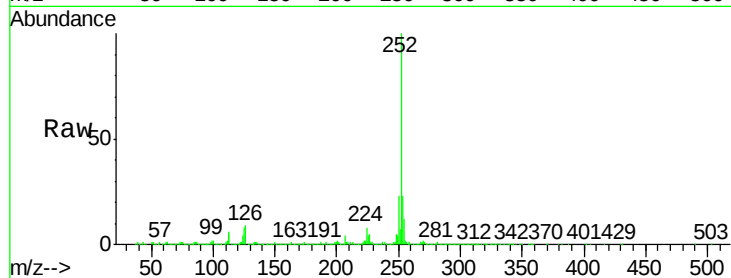
Tot Ion:252 Resp: 4154878

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

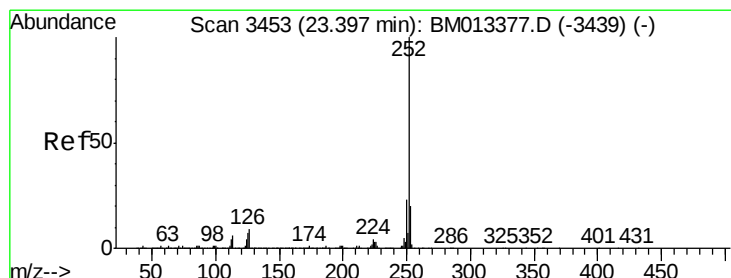
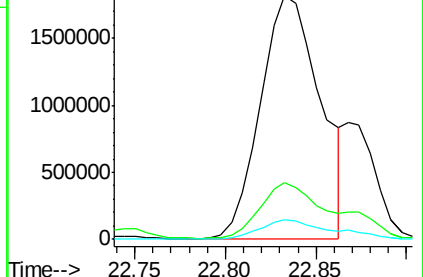
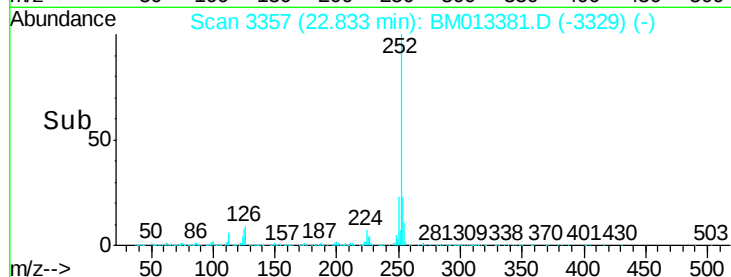
125 8.0 3.4 5.2#



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: 27.031 ng/ul

RT: 23.40 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

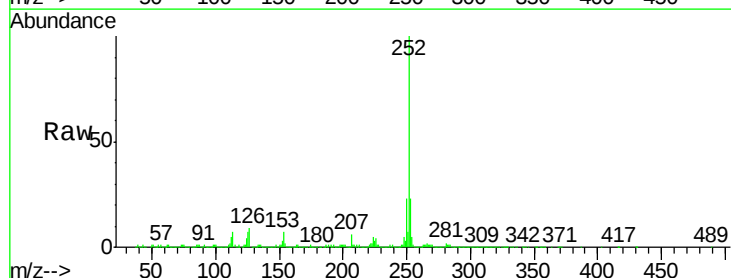
Tgt Ion:252 Resp: 1896031

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

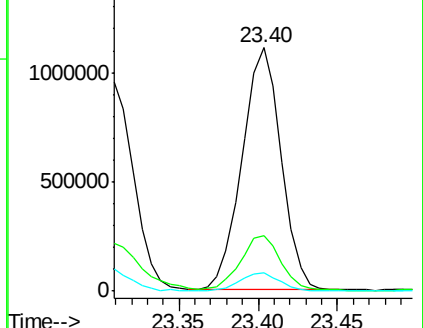
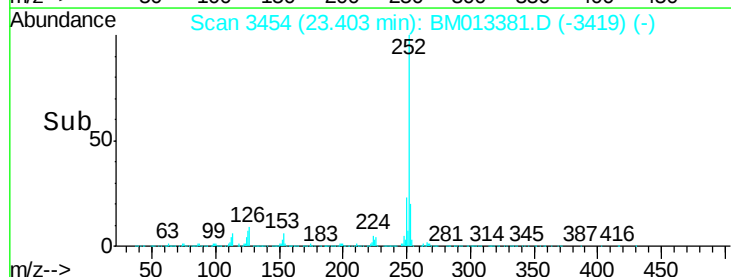
125 7.3 4.0 6.0#

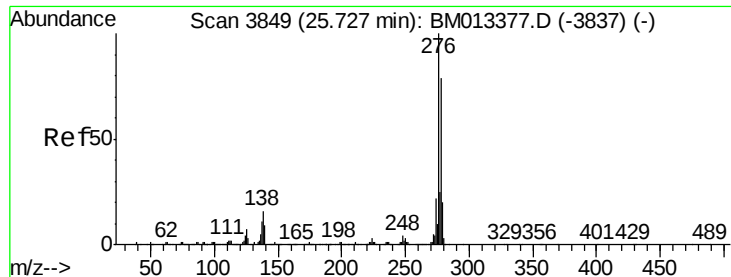


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



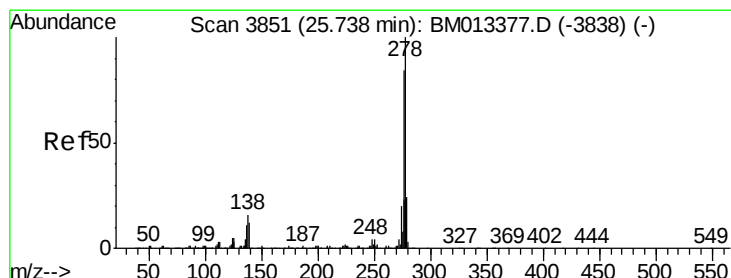
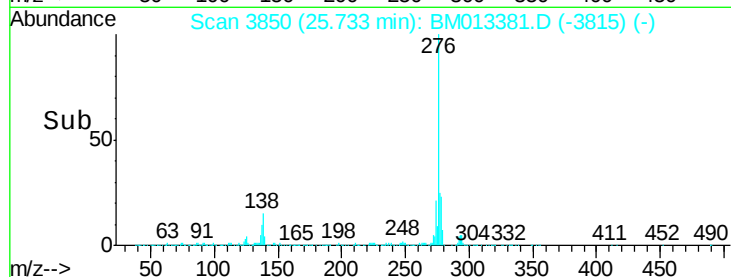
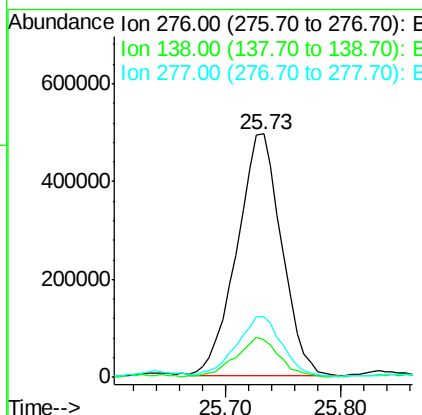
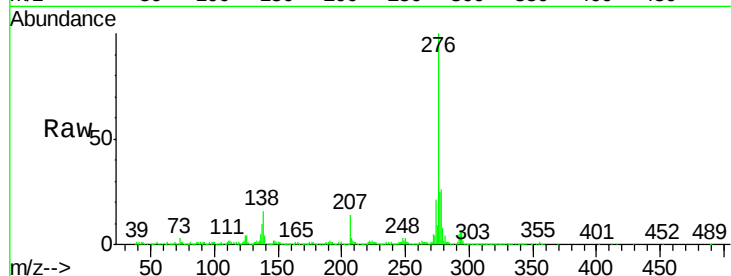


#89

Indeno(1,2,3-cd)pyrene
Concen: 19.182 ng/ul
RT: 25.73 min Scan# 3850
Delta R.T. 0.01 min
Lab File: BM013381.D
Acq: 13 Dec 2017 19:35

Instrument :
BNA_M
ClientSampleId :

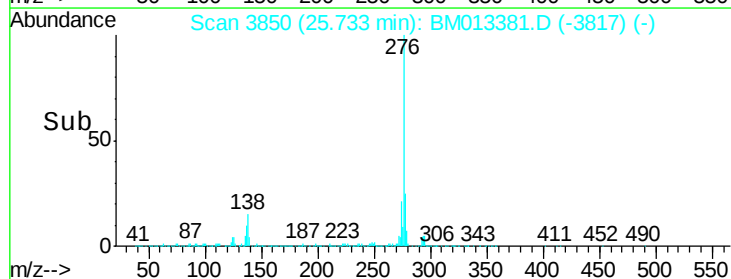
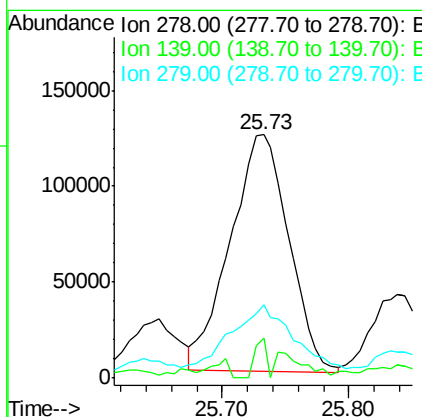
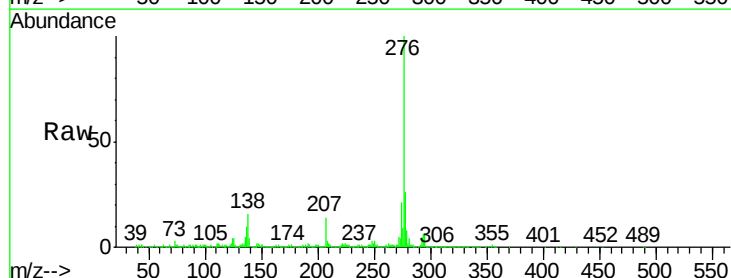
Tot Ion:276 Resp: 1334961
Ion Ratio Lower Upper
276 100
138 15.6 9.3 13.9#
277 25.1 19.9 29.9

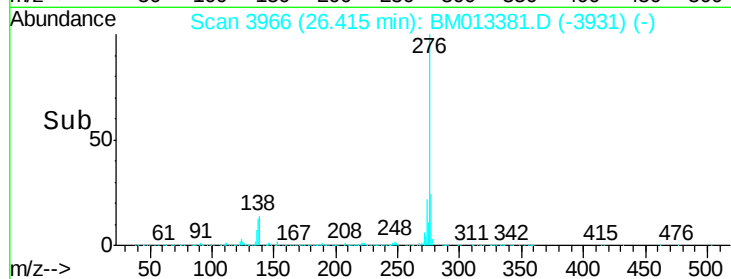
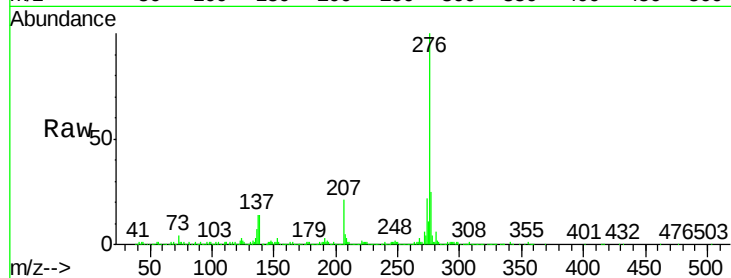
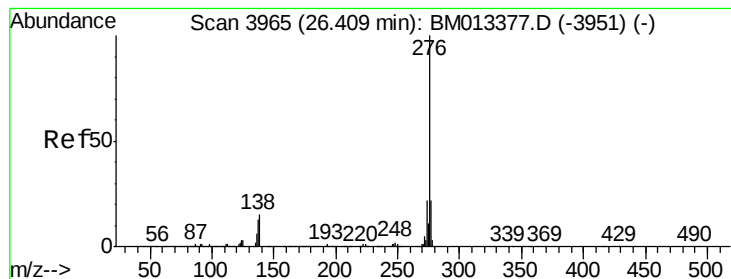


#90

Dibenzo(a,h)anthracene
Concen: 6.686 ng/ul
RT: 25.73 min Scan# 3850
Delta R.T. -0.01 min
Lab File: BM013381.D
Acq: 13 Dec 2017 19:35

Tgt Ion:278 Resp: 396205
Ion Ratio Lower Upper
278 100
139 16.7 5.8 8.8#
279 29.9 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 18.683 ng/ul

RT: 26.41 min Scan# 3966

Delta R.T. 0.01 min

Lab File: BM013381.D

Acq: 13 Dec 2017 19:35

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1025649

Ion Ratio Lower Upper

276 100

138 14.3 8.5 12.7#

277 25.0 18.6 28.0

