

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014801.D
 Acq On : 24 Apr 2018 06:16
 Operator : SJ/JU
 Sample : J2434-20DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 12:40:29 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	399220	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1678450	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	884236	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1875340	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1891680	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	2010012	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	20691	2.26	ng/uL	0.00
5) Phenol-d5	7.65	99	334198	10.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	248613	12.56	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	308132	11.94	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	258050	10.48	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	147352	12.14	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	149623	12.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	281778	11.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	368649	15.21	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	851459	12.34	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1098128	12.88	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	64211	5.01	ng/ul	0.00
57) Fluorene-d10	16.10	176	738519	12.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	31491	3.10	ng/ul	0.00
70) Anthracene-d10	17.93	188	1080090	12.36	ng/ul	0.00
76) Pyrene-d10	20.17	212	1150936	12.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	1182367	11.97	ng/ul	0.00

Target Compounds

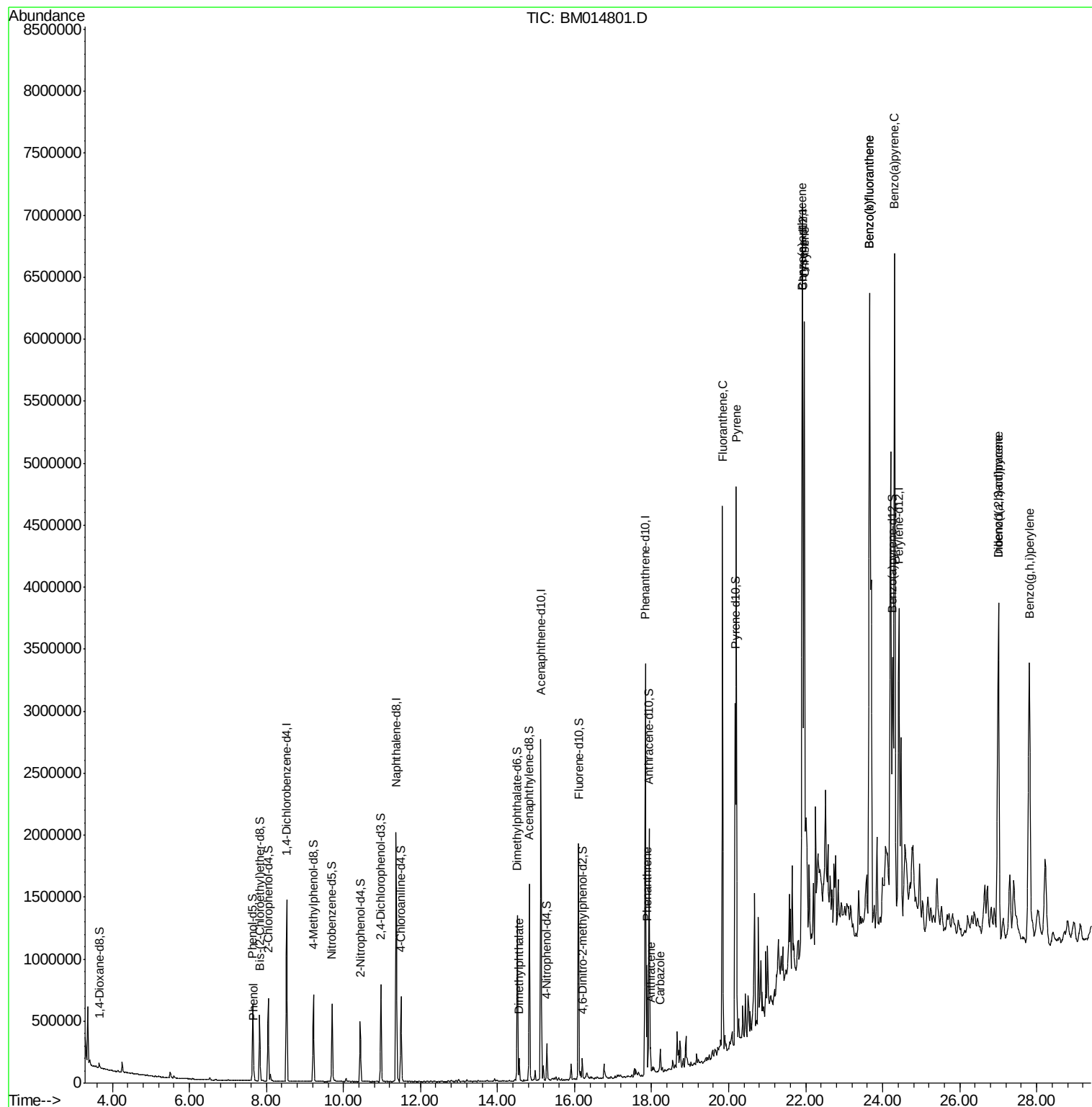
					Ovalue	
6) Phenol	7.67	94	32738	1.078	ng/ul#	81
44) Dimethylphthalate	14.56	163	105308	1.578	ng/ul	99
69) Phenanthrene	17.88	178	509939	5.063	ng/ul	99
71) Anthracene	17.97	178	117360	1.148	ng/ul	99
72) Carbazole	18.23	167	101853	1.168	ng/ul	98
74) Fluoranthene	19.84	202	2460694	22.410	ng/ul#	83
77) Pyrene	20.20	202	2700931	24.437	ng/ul#	80
80) Benzo(a)anthracene	21.91	228	2354343	21.283	ng/ul	98
82) Chrysene	21.97	228	2582326	24.936	ng/ul	97
85) Benzo(b)fluoranthene	23.66	252	5041348	42.547	ng/ul#	95
86) Benzo(k)fluoranthene	23.66	252	5041348	44.246	ng/ul#	93
88) Benzo(a)pyrene	24.31	252	3888625	34.597	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.00	276	2847915	20.945	ng/ul#	91
90) Dibenzo(a,h)anthracene	27.00	278	735421	6.424	ng/ul#	93
91) Benzo(g,h,i)perylene	27.81	276	2908562	26.001	ng/ul#	89

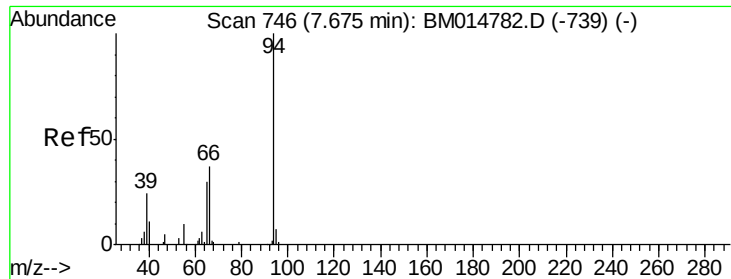
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.078 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Instrument :

BNA_M

ClientSampled :

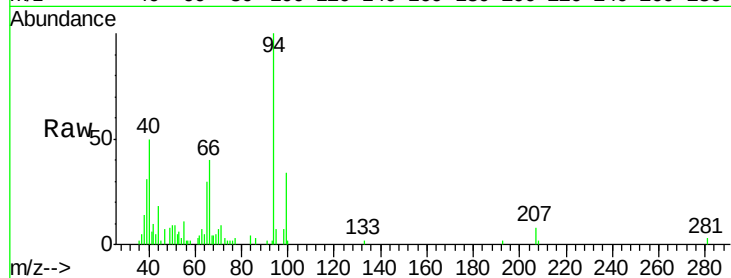
Tot Ion: 94 Resp: 32738

Ion Ratio Lower Upper

94 100

65 30.4 28.2 42.4

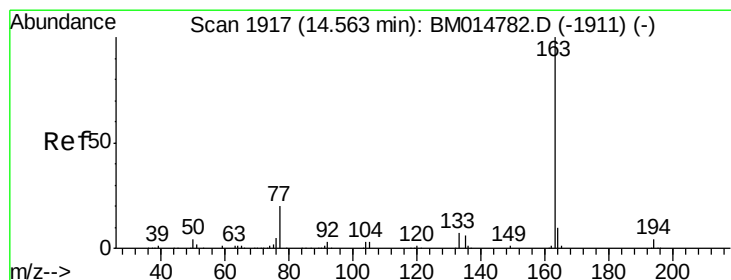
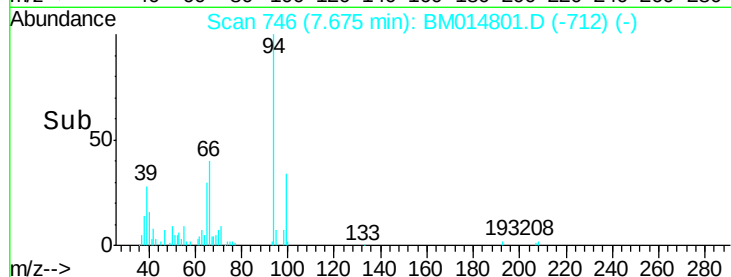
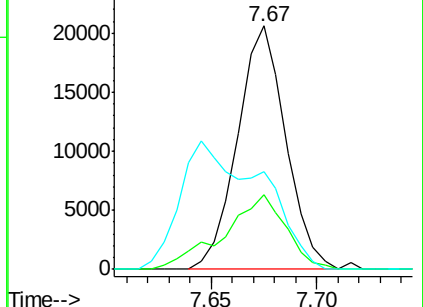
66 40.2 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014782.D (-739) (-)

Ion 65.00 (64.70 to 65.70): BM014782.D (-739) (-)

Ion 66.00 (65.70 to 66.70): BM014782.D (-739) (-)



#44

Dimethylphthalate

Concen: 1.578 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

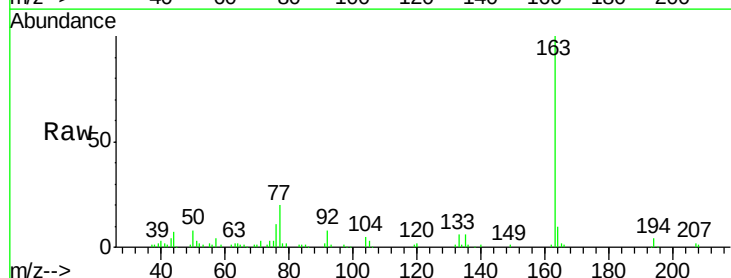
Tgt Ion:163 Resp: 105308

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

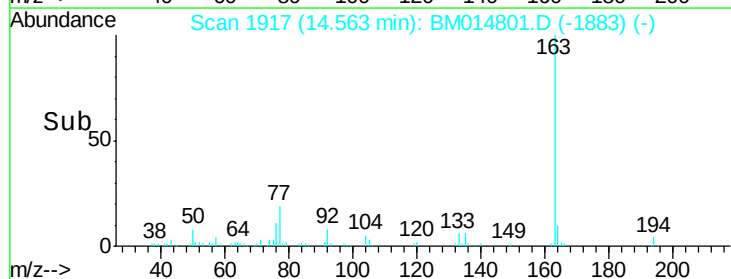
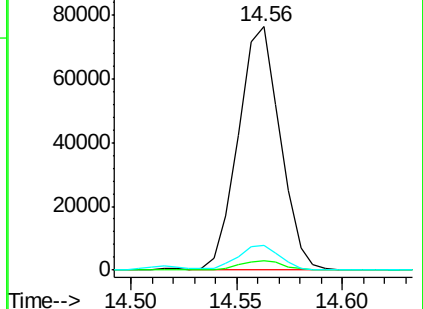
164 9.9 8.2 12.4

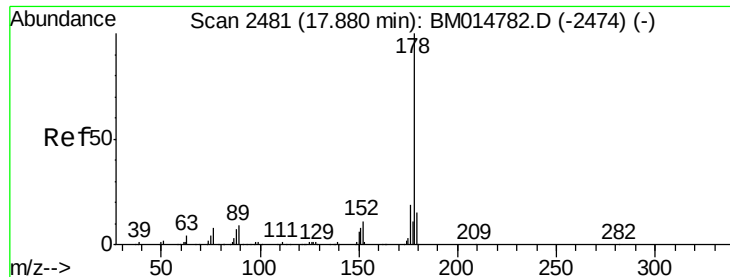


Abundance Ion 163.00 (162.70 to 163.70): BM014782.D (-1911) (-)

Ion 194.00 (193.70 to 194.70): BM014782.D (-1911) (-)

Ion 164.00 (163.70 to 164.70): BM014782.D (-1911) (-)





#69

Phenanthrene

Concen: 5.063 ng/ul

RT: 17.88 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Instrument :

BNA_M

ClientSampleId :

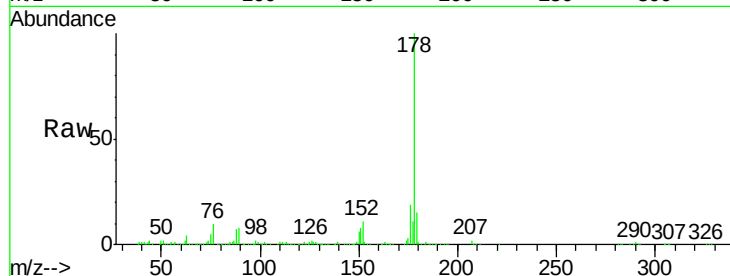
Tot Ion:178 Resp: 509939

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

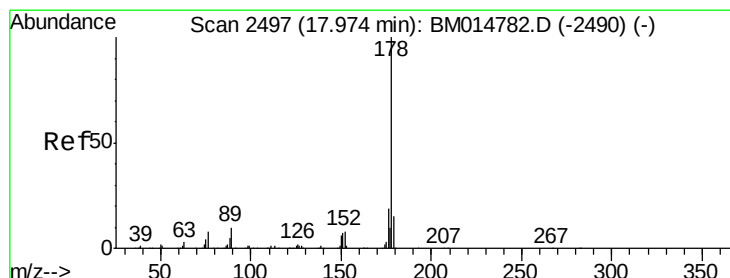
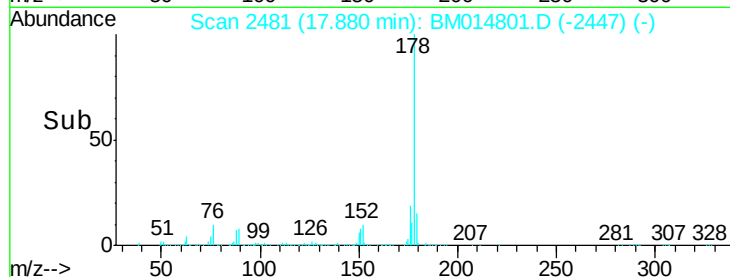
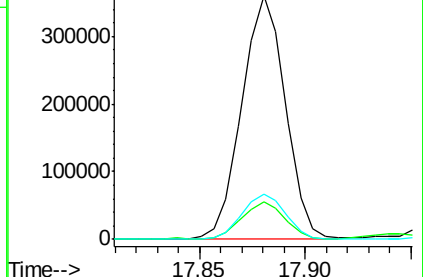
176 18.6 14.9 22.3



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: 1.148 ng/ul

RT: 17.97 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

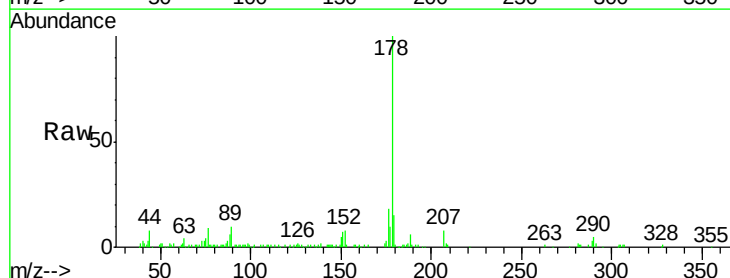
Tgt Ion:178 Resp: 117360

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

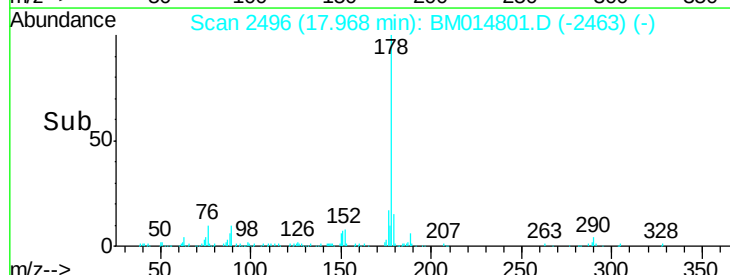
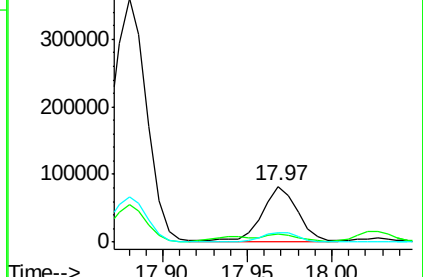
176 17.5 14.6 21.8

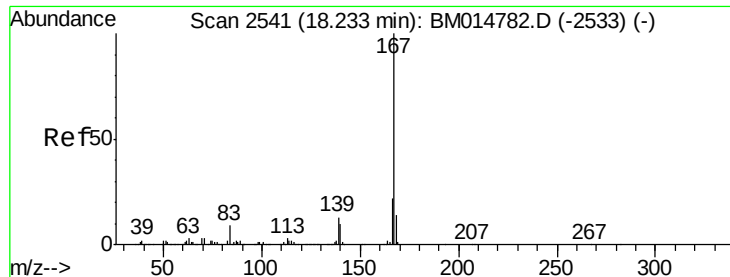


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.168 ng/ul

RT: 18.23 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Instrument :

BNA_M

ClientSampleId :

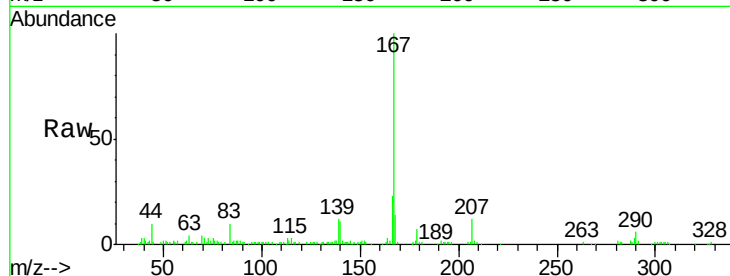
Tot Ion:167 Resp: 101853

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

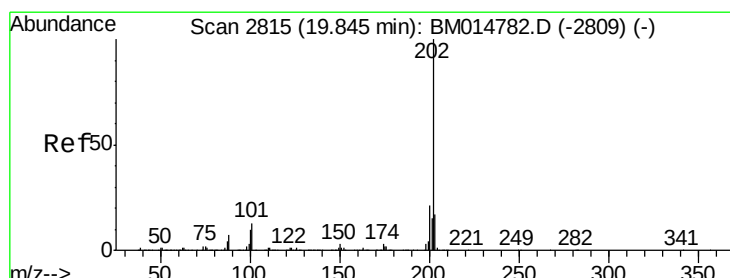
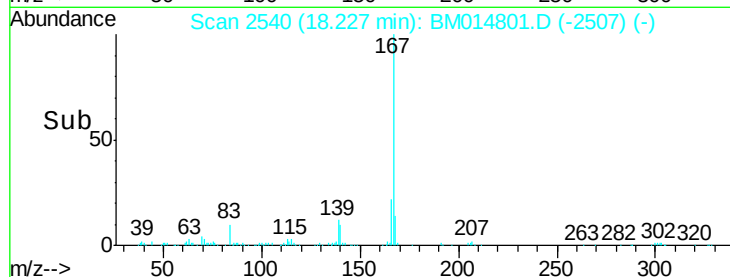
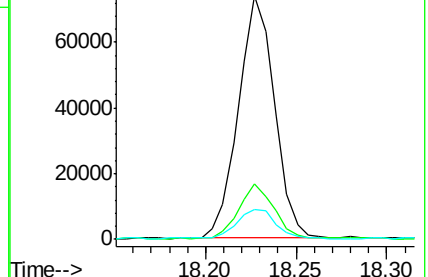
139 12.4 10.0 15.0



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: 22.410 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

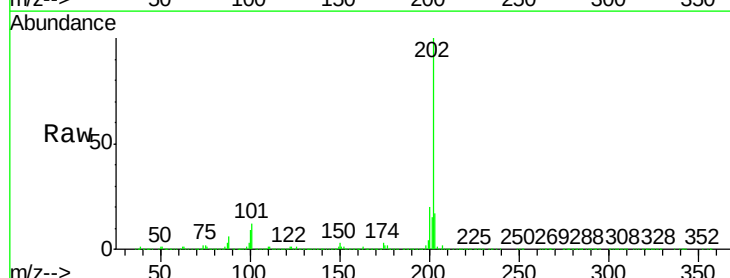
Tgt Ion:202 Resp: 2460694

Ion Ratio Lower Upper

202 100

101 12.2 4.6 7.0#

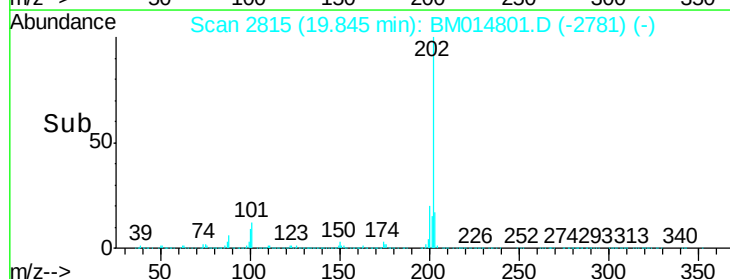
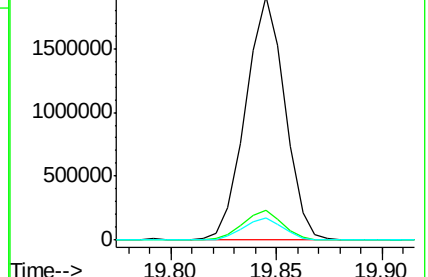
100 9.2 3.4 5.2#

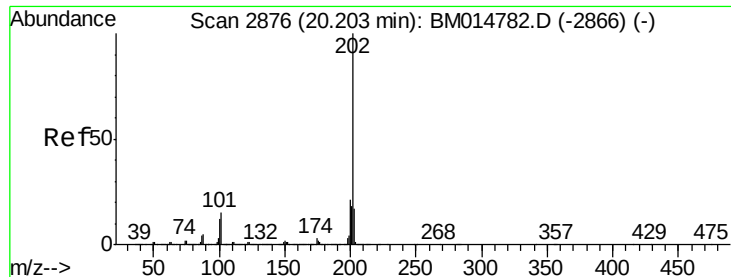


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 24.437 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Instrument :

BNA_M

ClientSampled :

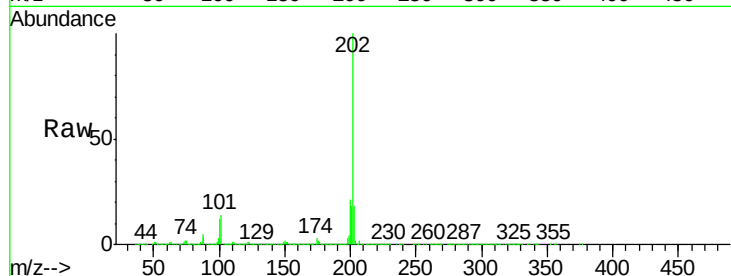
Tot Ion:202 Resp: 2700931

Ion Ratio Lower Upper

202 100

101 14.1 5.1 7.7#

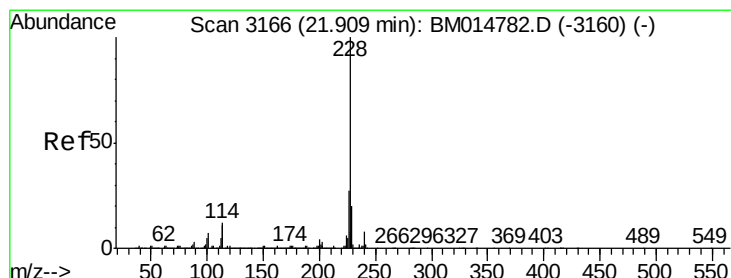
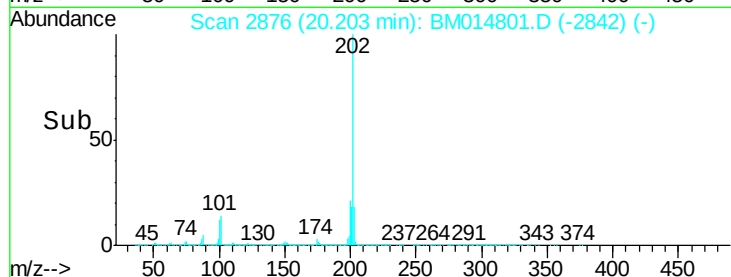
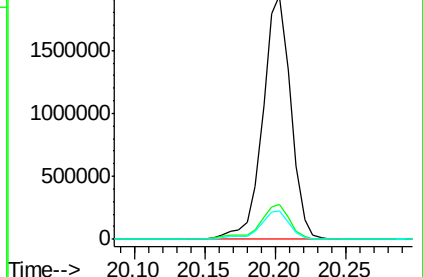
100 11.6 4.9 7.3#



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: 21.283 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

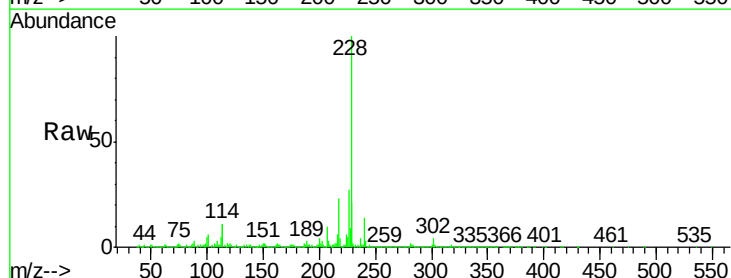
Tgt Ion:228 Resp: 2354343

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

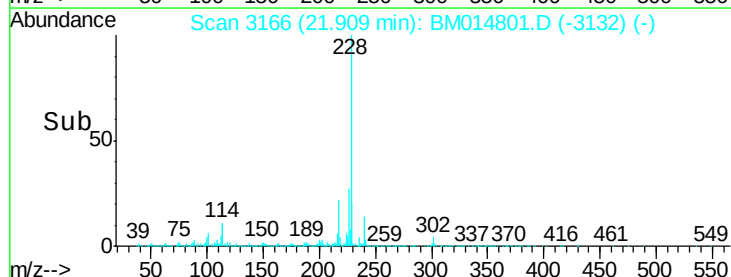
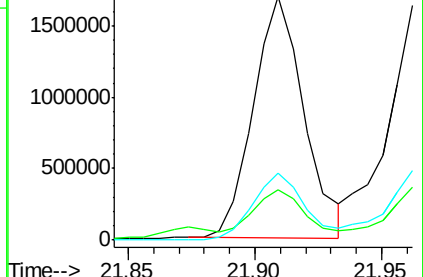
226 27.3 21.4 32.0

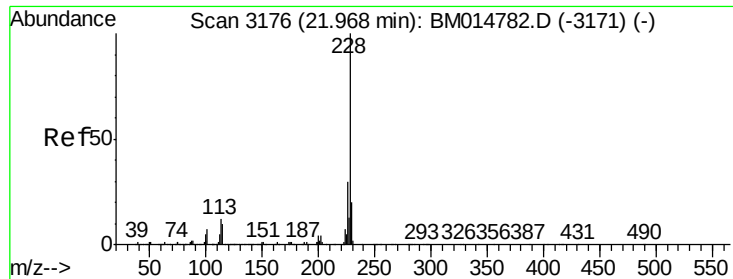


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 24.936 ng/ul

RT: 21.97 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

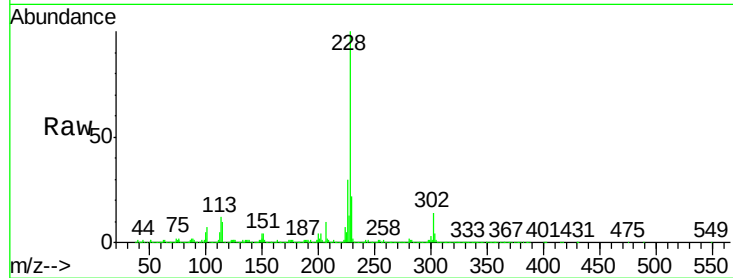
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2582326

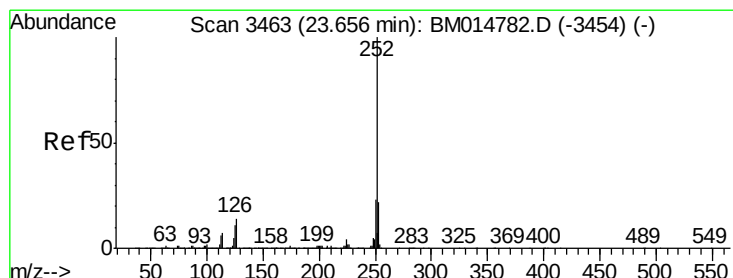
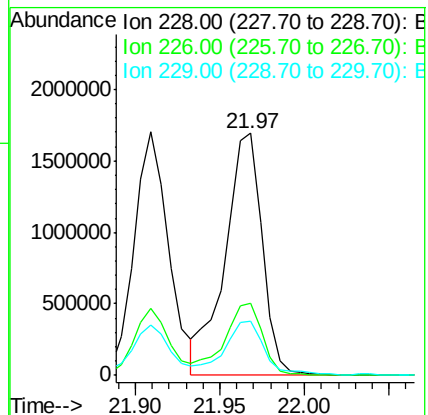
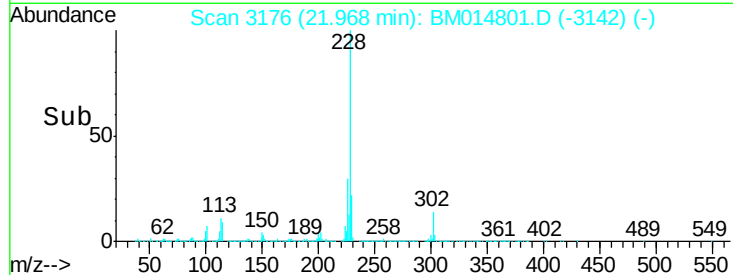
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.4	15.5	23.3



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: 42.547 ng/ul

RT: 23.66 min Scan# 3464

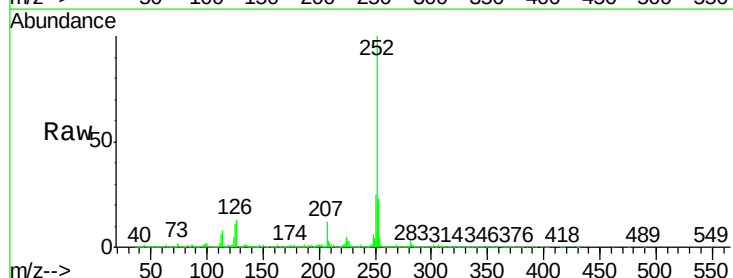
Delta R.T. 0.01 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Tgt Ion:252 Resp: 5041348

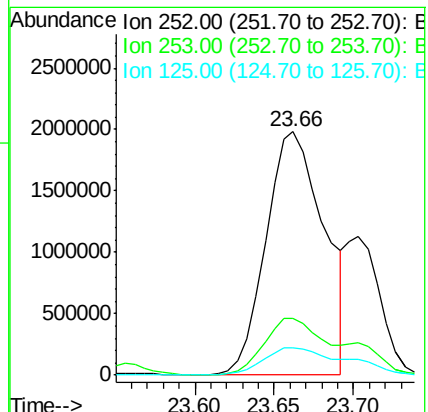
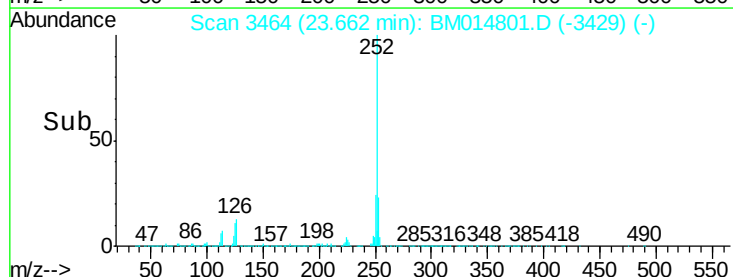
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.2	3.6	5.4

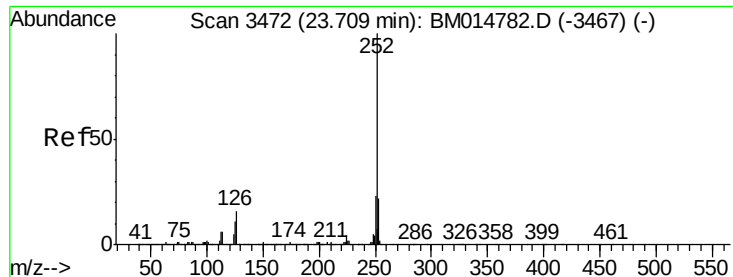


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

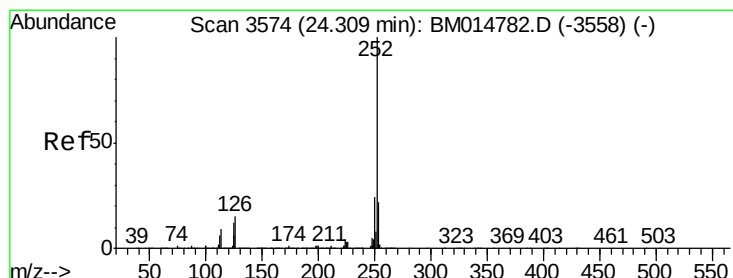
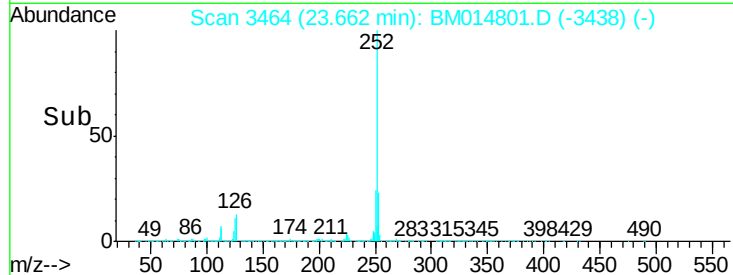
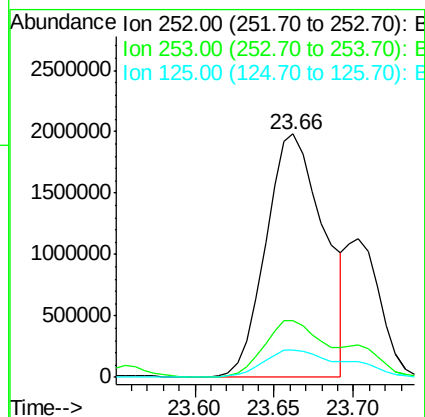
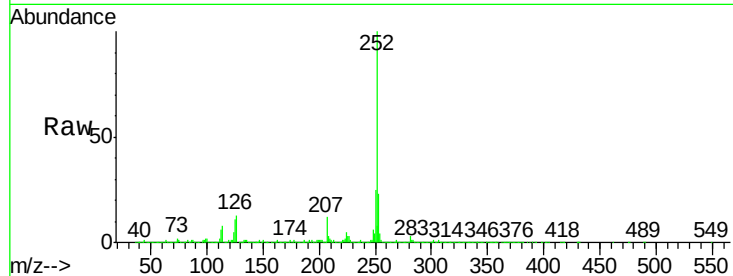




#86
Benzo(k)fluoranthene
Concen: 44.246 ng/ul
RT: 23.66 min Scan# 3464
Delta R.T. -0.05 min
Lab File: BM014801.D
Acq: 24 Apr 2018 06:16

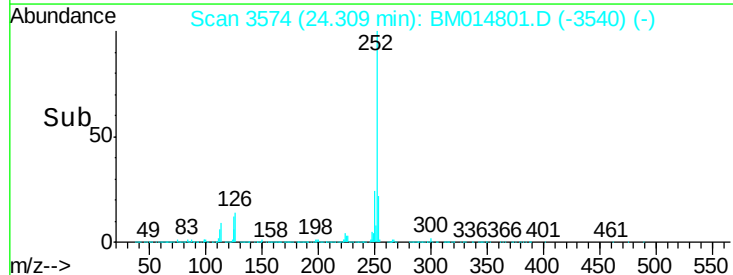
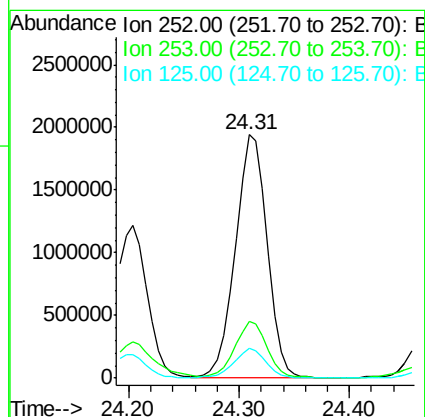
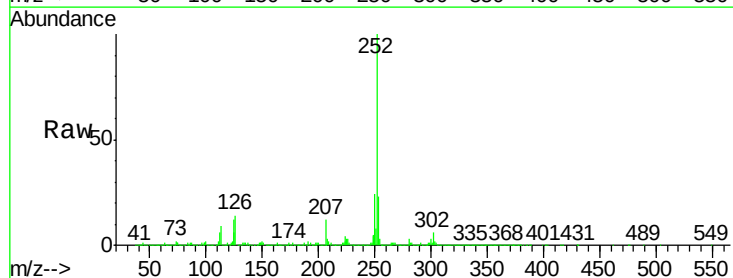
Instrument :
BNA_M
ClientSampleId :

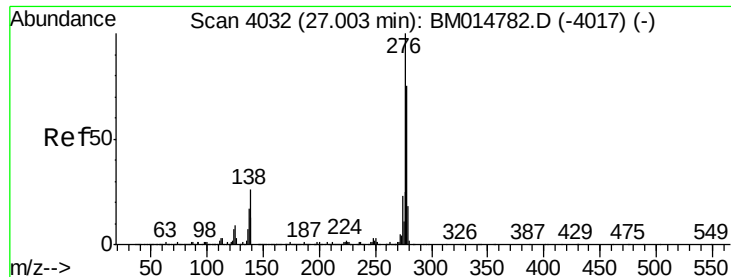
Tot Ion:252 Resp: 5041348
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 34.597 ng/ul
RT: 24.31 min Scan# 3574
Delta R.T. -0.00 min
Lab File: BM014801.D
Acq: 24 Apr 2018 06:16

Tgt Ion:252 Resp: 3888625
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 12.0 4.0 6.0#



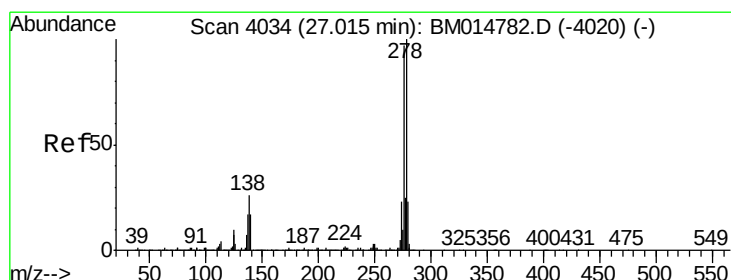
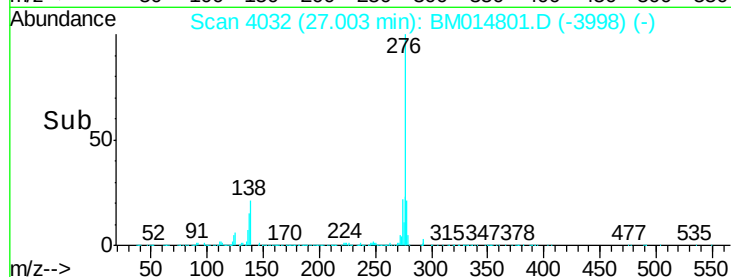
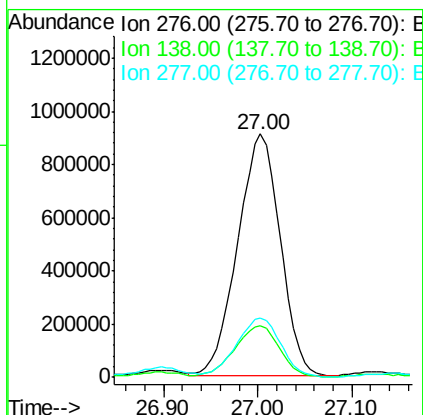
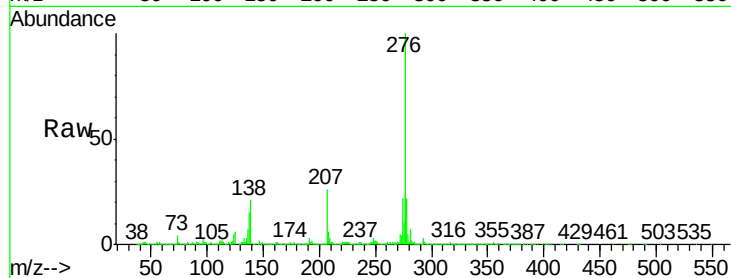


#89

Indeno(1,2,3-cd)pyrene
Concen: 20.945 ng/ul
RT: 27.00 min Scan# 4032
Delta R.T. -0.00 min
Lab File: BM014801.D
Acq: 24 Apr 2018 06:16

Instrument :
BNA_M
ClientSampleId :

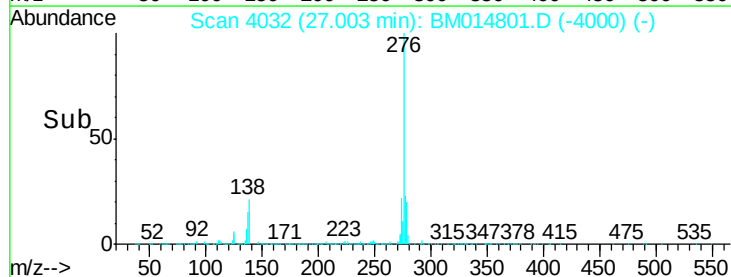
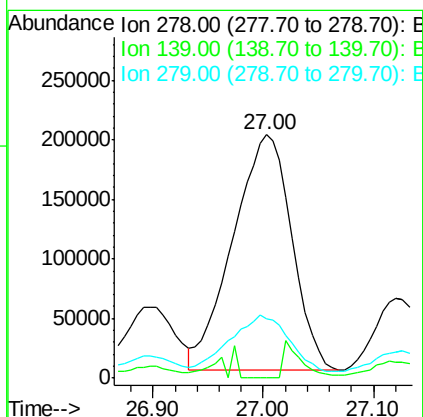
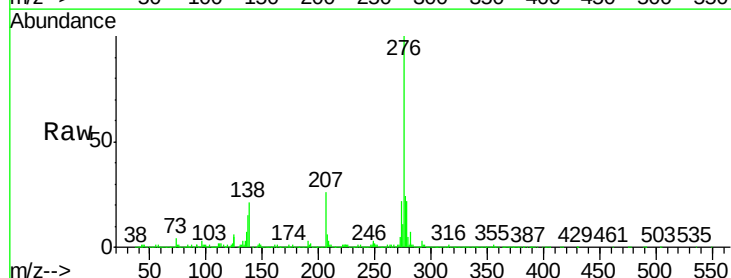
Tot Ion:276 Resp: 2847915
Ion Ratio Lower Upper
276 100
138 21.3 9.3 13.9#
277 24.4 19.9 29.9

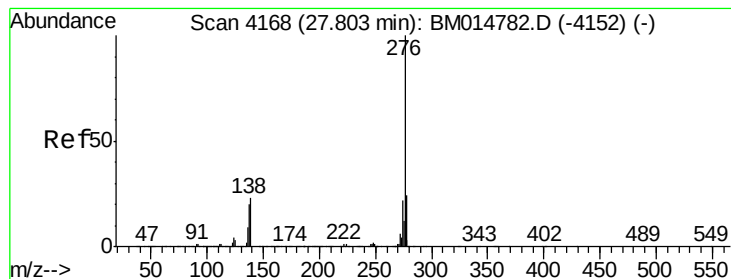


#90

Dibenzo(a,h)anthracene
Concen: 6.424 ng/ul
RT: 27.00 min Scan# 4032
Delta R.T. -0.01 min
Lab File: BM014801.D
Acq: 24 Apr 2018 06:16

Tgt Ion:278 Resp: 735421
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 24.3 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 26.001 ng/ul

RT: 27.81 min Scan# 4169

Delta R.T. 0.01 min

Lab File: BM014801.D

Acq: 24 Apr 2018 06:16

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 2908562

Ion Ratio Lower Upper

276 100

138 21.8 8.5 12.7#

277 24.1 18.6 28.0

