

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012581.D
 Acq On : 30 Oct 2017 19:51
 Operator : SJ/JU
 Sample : I5886-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 03:02:47 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 03:00:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	281318	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1088439	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	647575	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1531467	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1822031	20.00	ng/ul	-0.01
83) Perylene-d12	23.70	264	1991088	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	25364	4.61	ng/uL	0.00
5) Phenol-d5	7.02	99	436473	18.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	279800	20.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	361858	20.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	298946	14.88	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	176293	25.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	194319	27.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	371401	19.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	259017	13.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1149542	20.32	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1419142	21.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	126486	15.04	ng/ul	0.00
57) Fluorene-d10	15.48	176	1015170	21.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	125041	16.87	ng/ul	-0.01
70) Anthracene-d10	17.33	188	1491597	20.44	ng/ul	0.00
76) Pyrene-d10	19.62	212	1784220	21.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	1906197	20.15	ng/ul	-0.01

Target Compounds

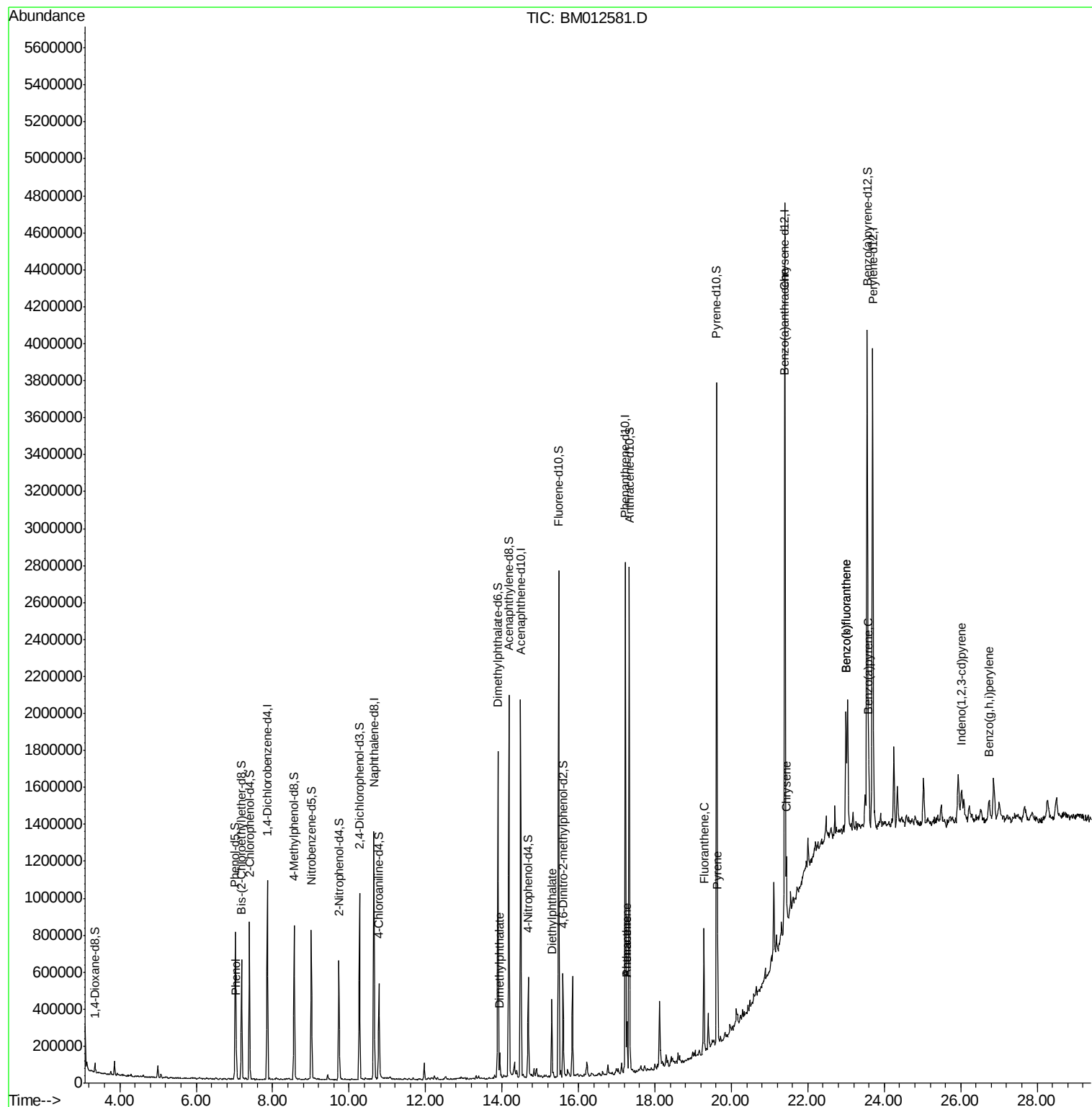
					Ovalue	
6) Phenol	7.05	94	68032	2.78	ng/ul#	84
44) Dimethylphthalate	13.94	163	78697	1.41	ng/ul	99
56) Diethylphthalate	15.30	149	226491	3.97	ng/ul	96
69) Phenanthrene	17.27	178	166255	2.01	ng/ul	98
71) Anthracene	17.27	178	166255	1.94	ng/ul	99
74) Fluoranthene	19.28	202	372479	3.97	ng/ul#	92
77) Pyrene	19.64	202	324853	3.14	ng/ul#	90
80) Benzo(a)anthracene	21.39	228	189212	1.73	ng/ul	98
82) Chrysene	21.44	228	225893	2.33	ng/ul	98
85) Benzo(b)fluoranthene	23.01	252	347274	2.82	ng/ul#	96
86) Benzo(k)fluoranthene	23.01	252	347274	3.00	ng/ul#	94
88) Benzo(a)pyrene	23.60	252	207389	1.77	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.03	276	169141	1.22	ng/ul#	97
91) Benzo(g,h,i)perylene	26.73	276	136989	1.22	ng/ul#	94

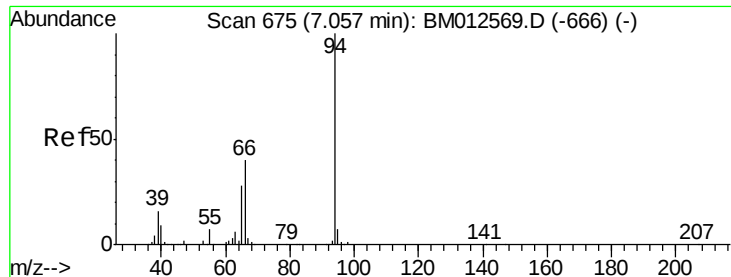
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 03:00:36 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.78 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

Instrument :

BNA_M

ClientSampleId :

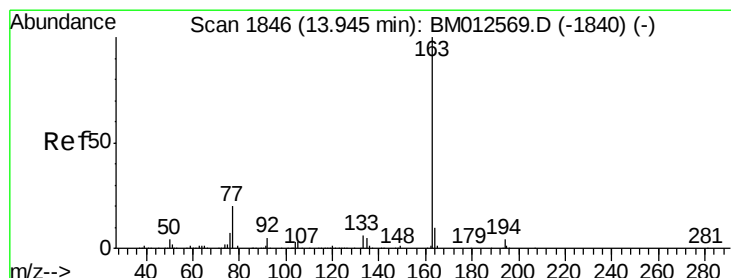
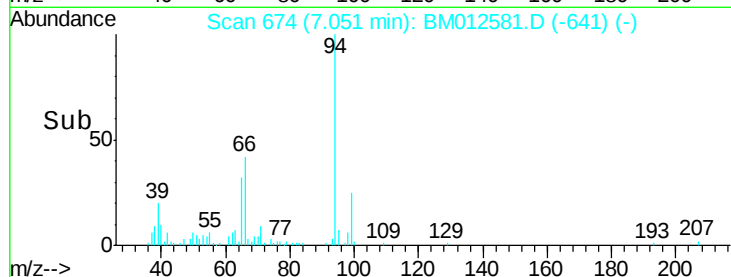
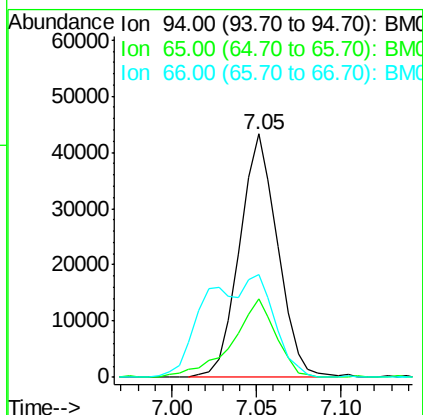
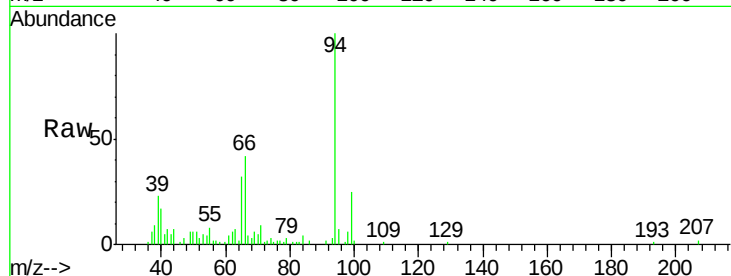
Tot Ion: 94 Resp: 68032

Ion Ratio Lower Upper

94 100

65 32.0 28.2 42.4

66 42.5 47.2 70.8#



#44

Dimethylphthalate

Concen: 1.41 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

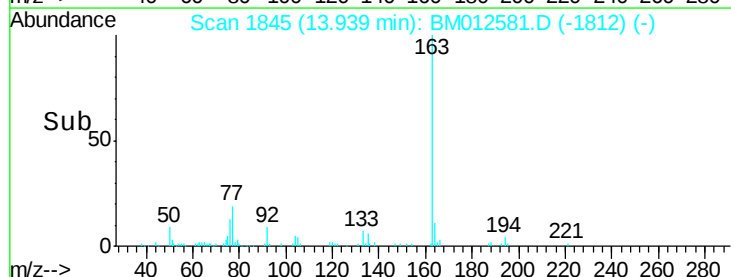
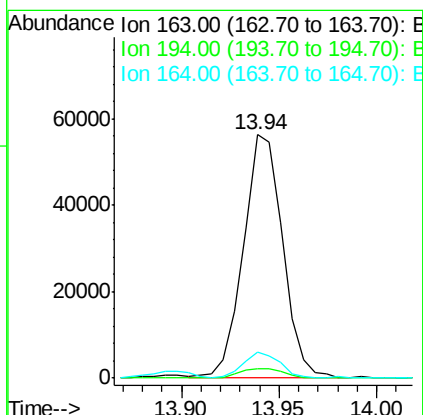
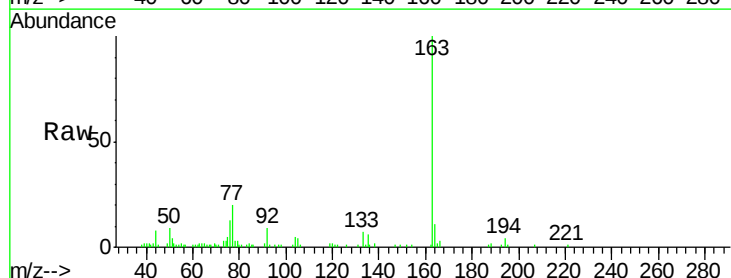
Tgt Ion: 163 Resp: 78697

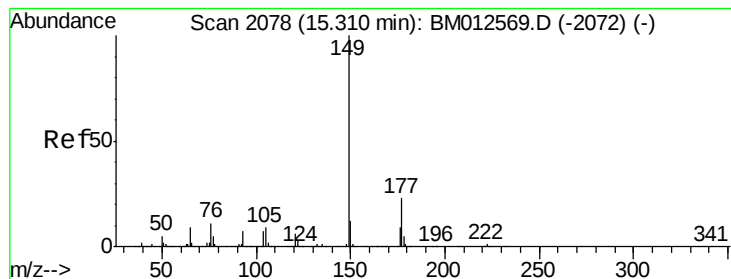
Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

164 10.8 8.2 12.4





#56

Diethylphthalate

Concen: 3.97 ng/ul

RT: 15.30 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

Instrument :

BNA_M

ClientSampleId :

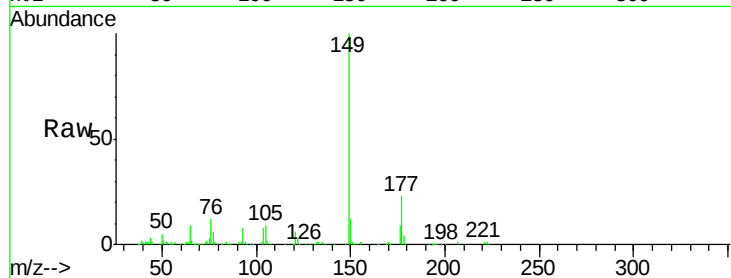
Tot Ion:149 Resp: 226491

Ion Ratio Lower Upper

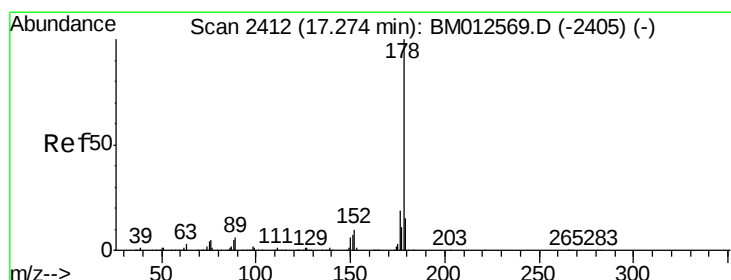
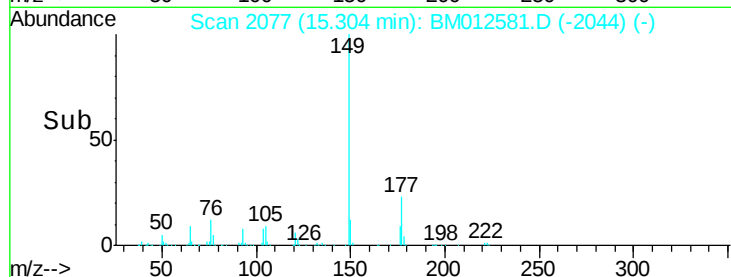
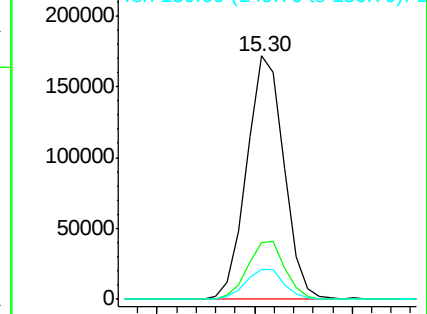
149 100

177 23.2 20.5 30.7

150 12.5 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



#69

Phenanthrene

Concen: 2.01 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

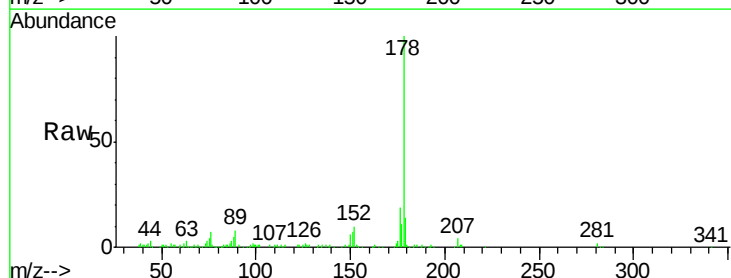
Tgt Ion:178 Resp: 166255

Ion Ratio Lower Upper

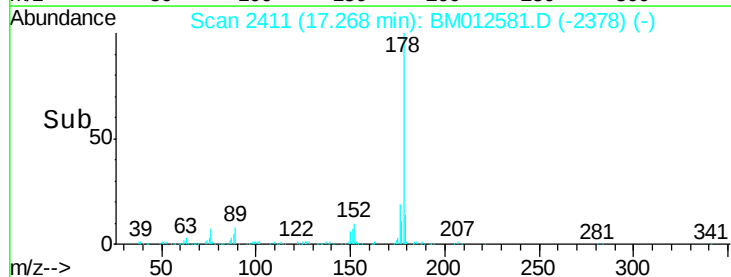
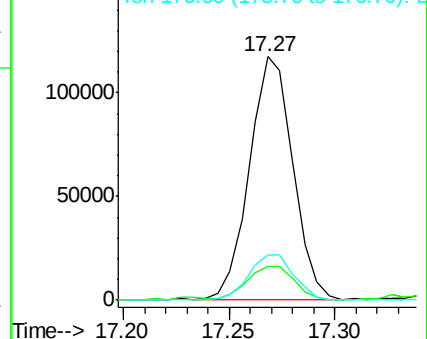
178 100

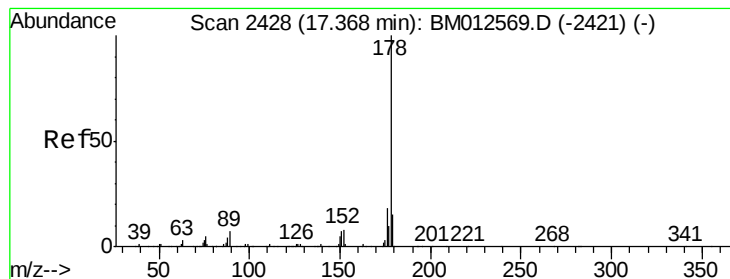
179 14.1 12.6 19.0

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: 1.94 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.10 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

Instrument :

BNA_M

ClientSampleId :

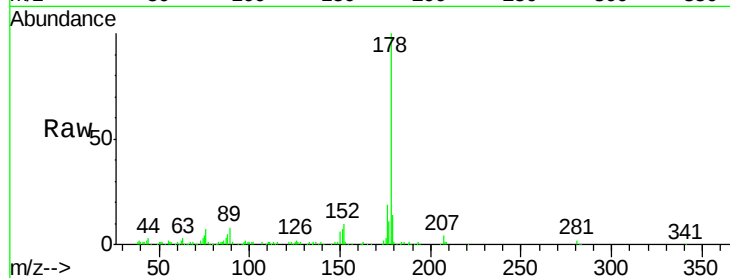
Tot Ion:178 Resp: 166255

Ion Ratio Lower Upper

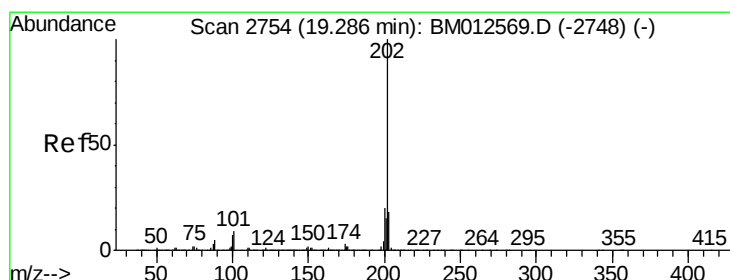
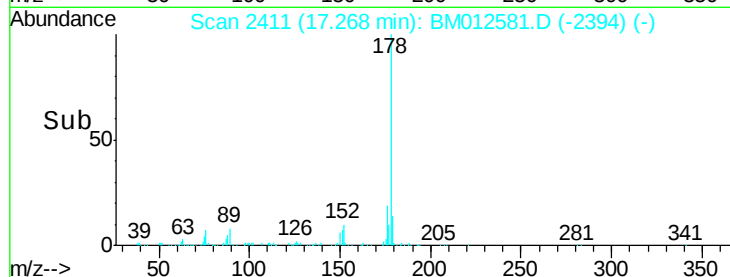
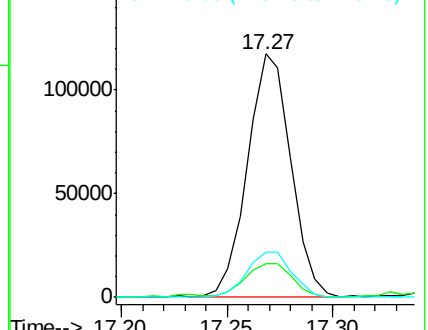
178 100

179 14.1 11.7 17.5

176 18.6 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: 3.97 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

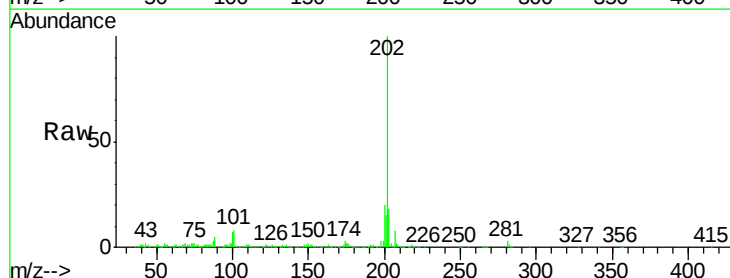
Tgt Ion:202 Resp: 372479

Ion Ratio Lower Upper

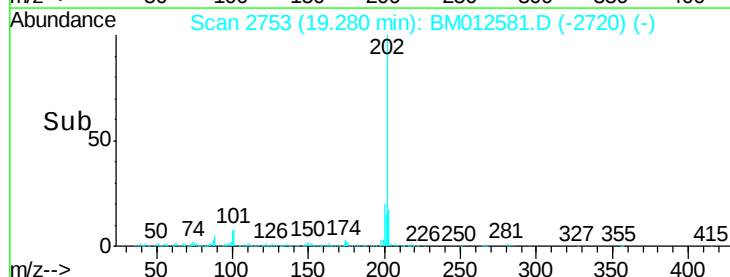
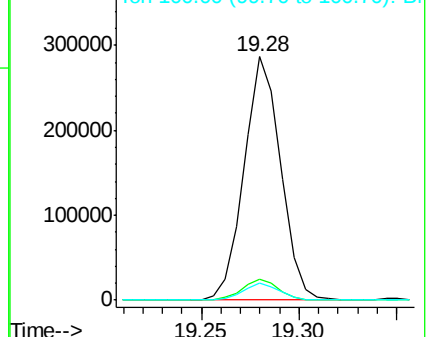
202 100

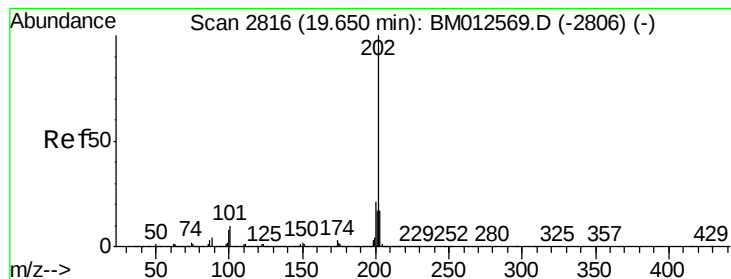
101 8.4 4.6 7.0#

100 6.8 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: 3.14 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

Instrument :

BNA_M

ClientSampleId :

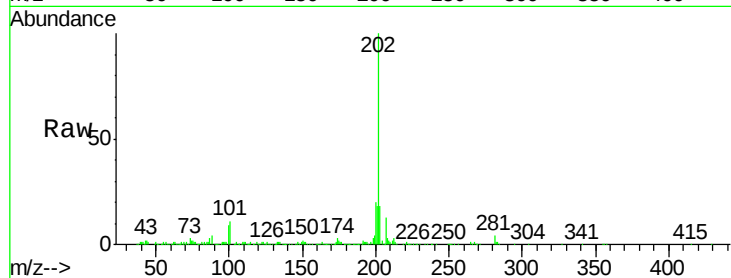
Tot Ion:202 Resp: 324853

Ion Ratio Lower Upper

202 100

101 10.7 5.1 7.7#

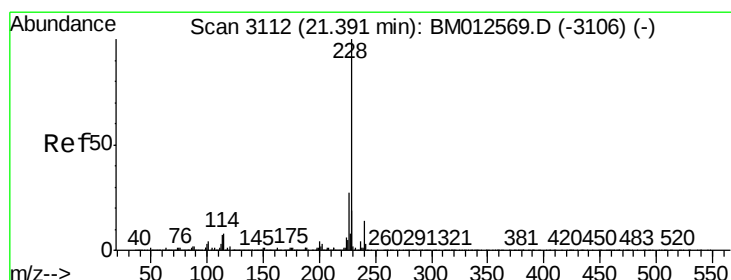
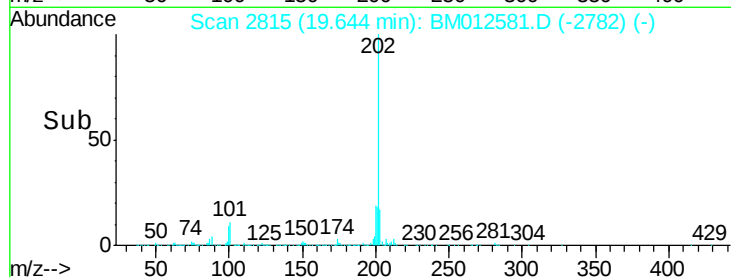
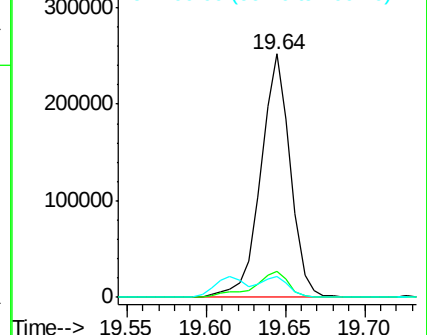
100 8.8 4.9 7.3#



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: 1.73 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

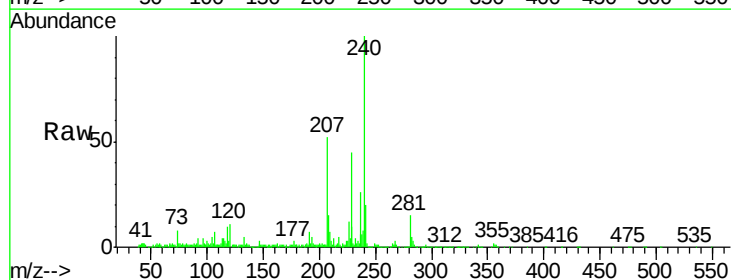
Tgt Ion:228 Resp: 189212

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

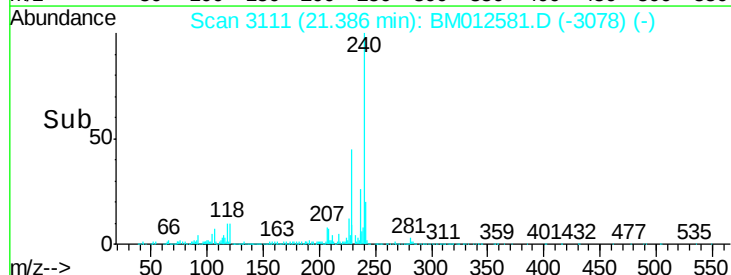
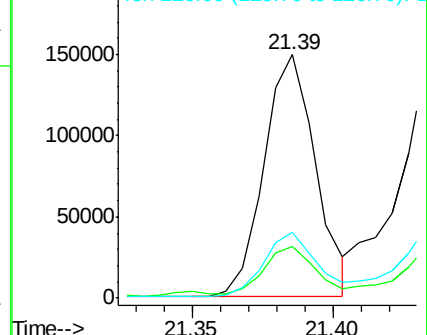
226 26.9 21.4 32.0

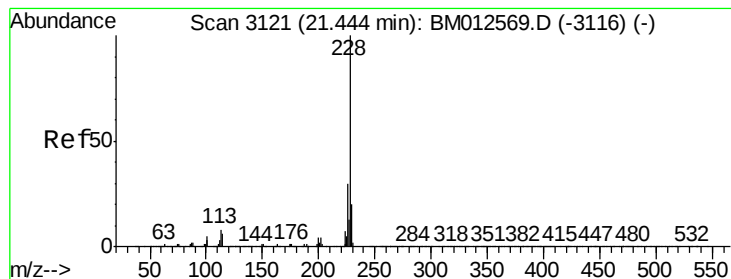


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.33 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

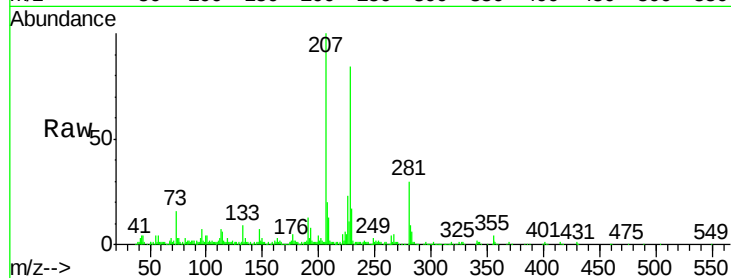
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 225893

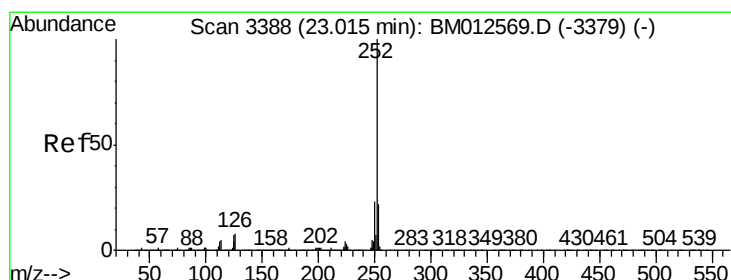
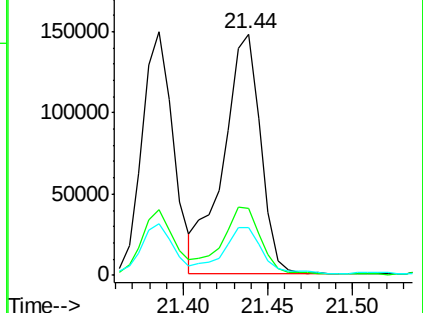
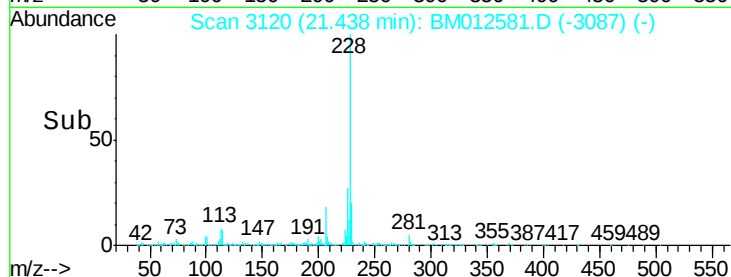
Ion	Ratio	Lower	Upper
228	100		
226	27.6	23.4	35.2
229	20.1	15.5	23.3



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: 2.82 ng/ul

RT: 23.01 min Scan# 3387

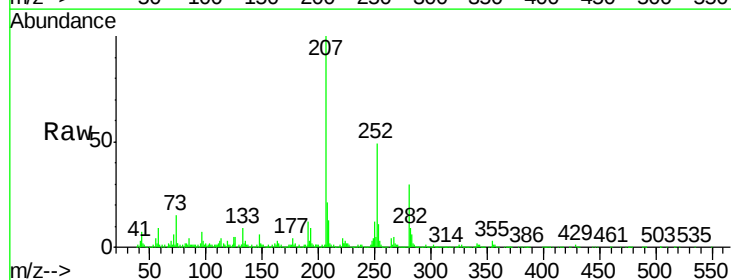
Delta R.T. -0.01 min

Lab File: BM012581.D

Acq: 30 Oct 2017 19:51

Tgt Ion:252 Resp: 347274

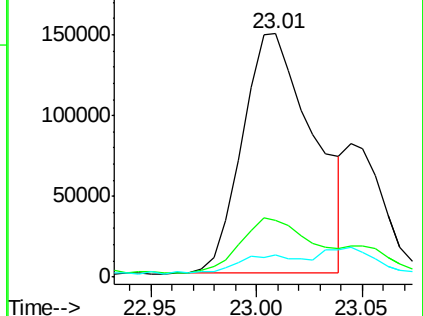
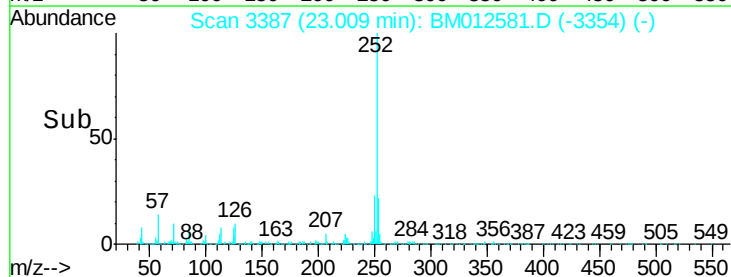
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	9.3	3.6	5.4

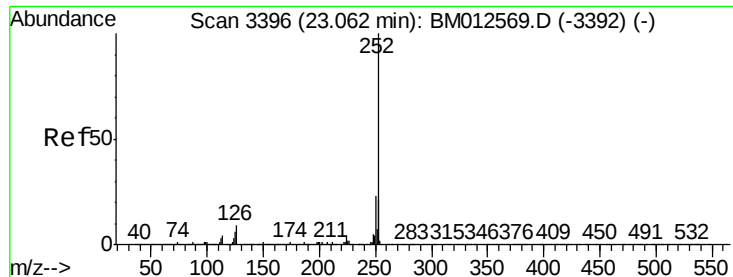


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

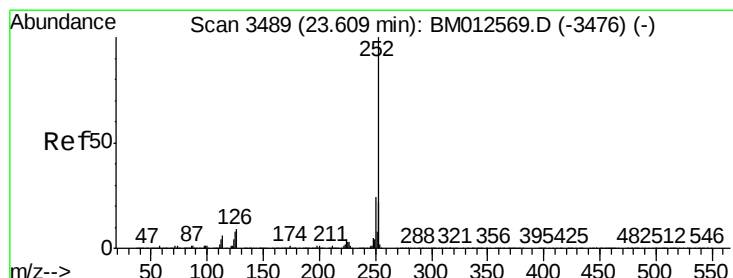
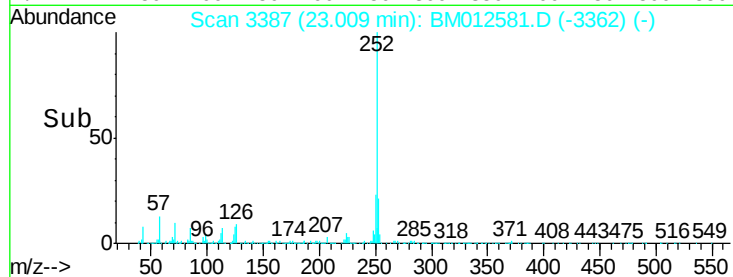
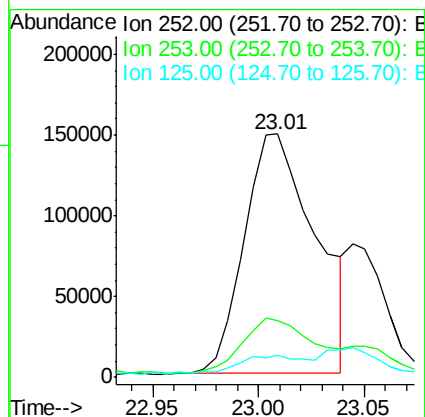
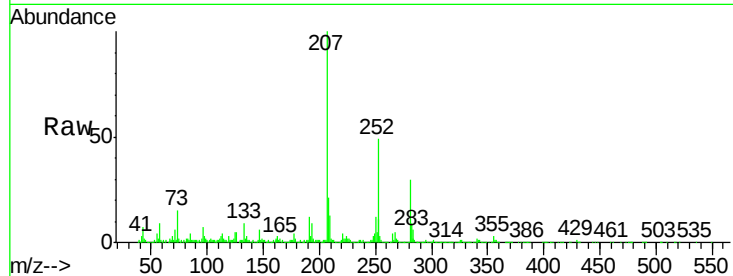




#86
Benzo(k)fluoranthene
Concen: 3.00 ng/ul
RT: 23.01 min Scan# 3387
Delta R.T. -0.05 min
Lab File: BM012581.D
Acq: 30 Oct 2017 19:51

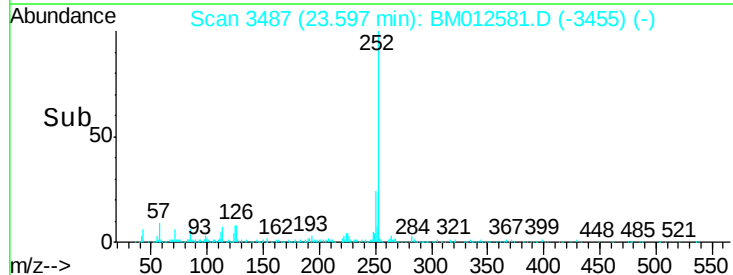
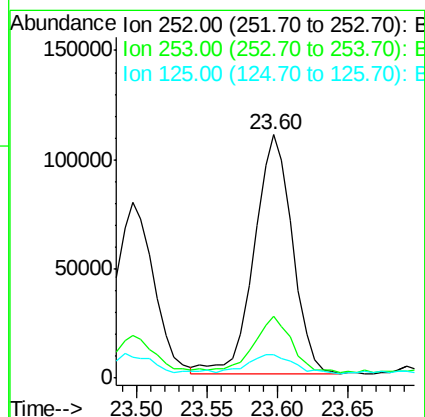
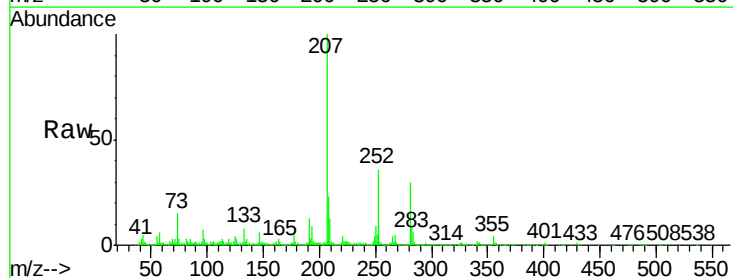
Instrument :
BNA_M
ClientSampleId :

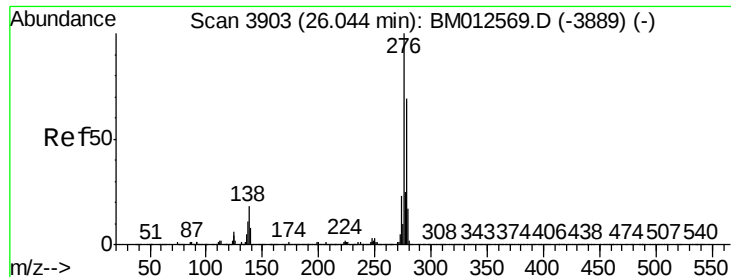
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.3	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 1.77 ng/ul
RT: 23.60 min Scan# 3487
Delta R.T. -0.01 min
Lab File: BM012581.D
Acq: 30 Oct 2017 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	9.8	4.0	6.0#

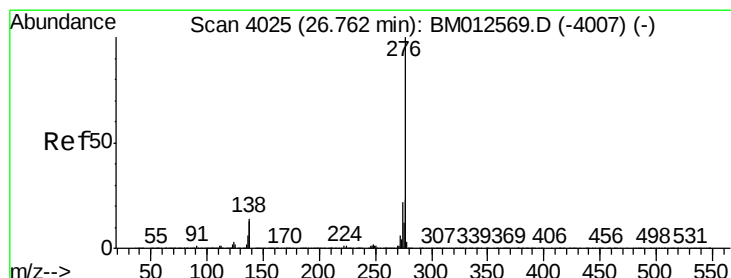
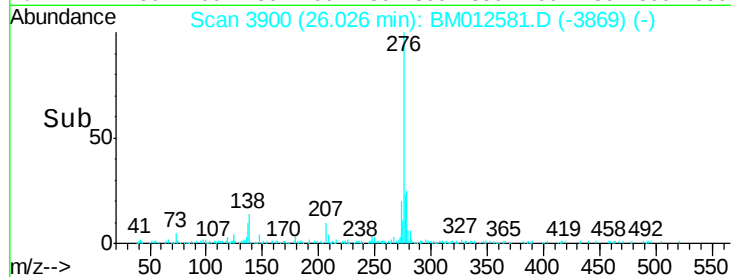
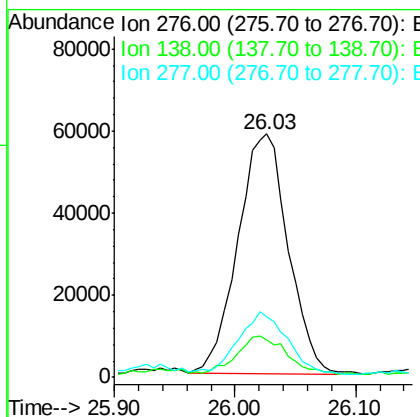
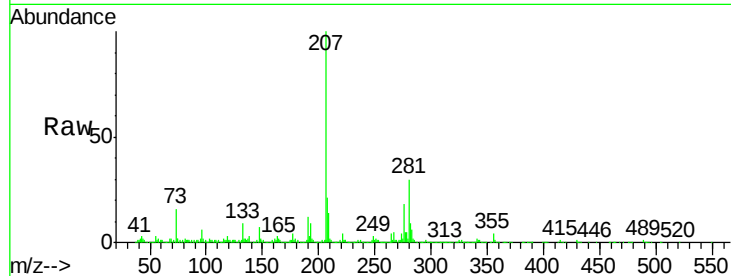




#89
Indeno(1,2,3-cd)pyrene
Concen: 1.22 ng/ul
RT: 26.03 min Scan# 3900
Delta R.T. -0.02 min
Lab File: BM012581.D
Acq: 30 Oct 2017 19:51

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	9.3	13.9#
277	25.1	19.9	29.9



#91
Benzo(g,h,i)perylene
Concen: 1.22 ng/ul
RT: 26.73 min Scan# 4020
Delta R.T. -0.03 min
Lab File: BM012581.D
Acq: 30 Oct 2017 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	8.5	12.7#
277	25.1	18.6	28.0

