

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012470.D
 Acq On : 26 Oct 2017 13:00
 Operator : SJ/JU
 Sample : I5756-08DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 14:38:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	520608	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2118509	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1230751	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	2391079	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1932262	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	2241454	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	12642	1.24	ng/uL	0.00
5) Phenol-d5	7.05	99	270691	6.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	176139	6.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.41	132	216311	6.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.58	113	207943	5.59	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	106954	8.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	110352	8.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	226297	6.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	68077	1.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	691840	6.43	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	845089	6.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	59836	3.74	ng/ul	0.00
57) Fluorene-d10	15.50	176	571378	6.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	28698	2.48	ng/ul	0.00
70) Anthracene-d10	17.34	188	758731	6.66	ng/ul	0.00
76) Pyrene-d10	19.63	212	684329	7.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	698724	6.56	ng/ul	0.00

Target Compounds

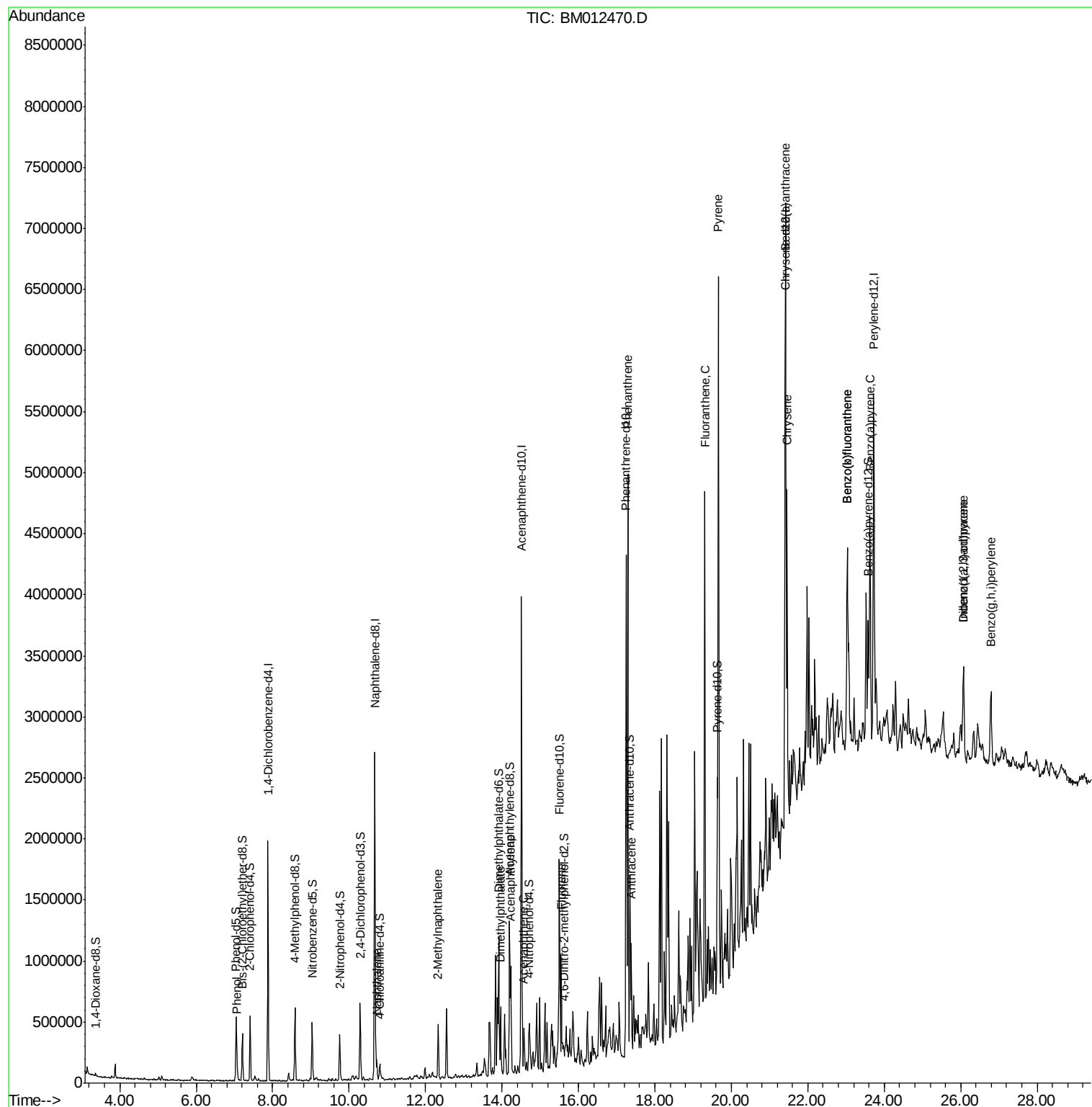
					Ovalue	
6) Phenol	7.07	94	55328	1.222	ng/ul	91
28) Naphthalene	10.72	128	114635	1.091	ng/ul	97
34) 2-Methylnaphthalene	12.33	142	205107	2.404	ng/ul	95
44) Dimethylphthalate	13.96	163	252475	2.374	ng/ul	98
47) Acenaphthylene	14.23	152	443105	3.651	ng/ul#	96
49) Acenaphthene	14.57	153	143509	1.726	ng/ul	97
58) Fluorene	15.55	166	362319	3.482	ng/ul	97
69) Phenanthrene	17.29	178	2761574	21.357	ng/ul	99
71) Anthracene	17.38	178	546994	4.093	ng/ul	97
74) Fluoranthene	19.30	202	2181733	14.891	ng/ul#	94
77) Pyrene	19.66	202	3479123	31.662	ng/ul#	92
80) Benzo(a)anthracene	21.40	228	1353979	11.702	ng/ul#	92
82) Chrysene	21.46	228	1573574	15.296	ng/ul#	94
85) Benzo(b)fluoranthene	23.03	252	1285757	9.279	ng/ul#	94
86) Benzo(k)fluoranthene	23.03	252	1285757	9.859	ng/ul#	92
88) Benzo(a)pyrene	23.63	252	1288557	9.754	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.07	276	787113	5.062	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.07	278	256251	1.944	ng/ul#	74
91) Benzo(g,h,i)perylene	26.79	276	754640	5.989	ng/ul#	94

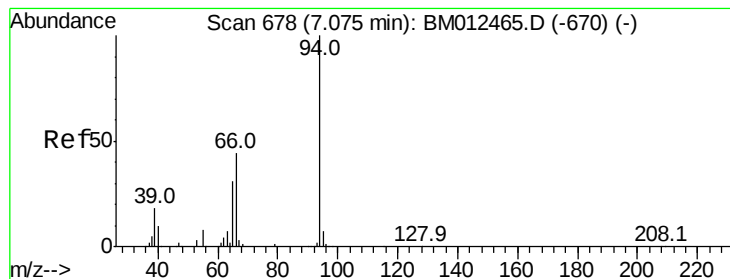
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration





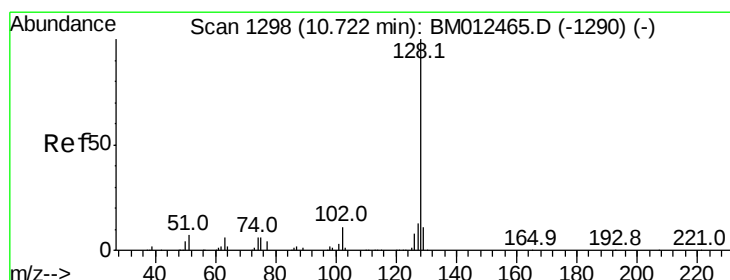
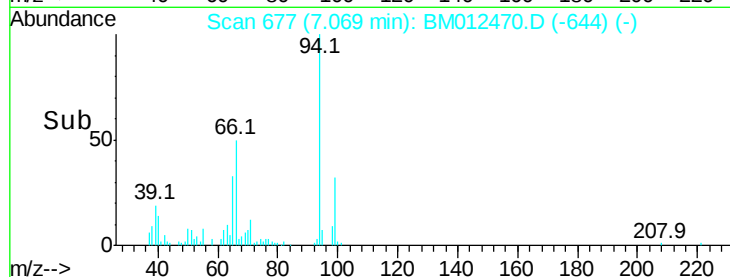
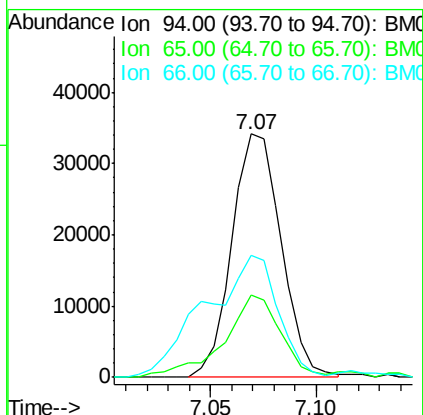
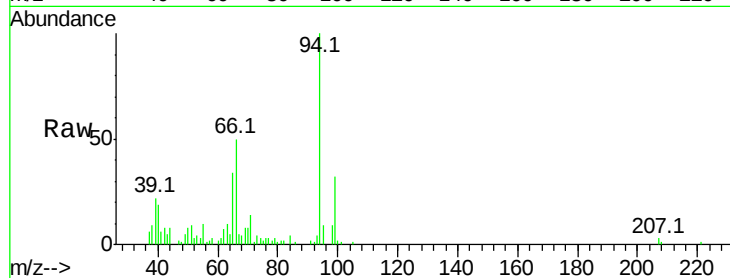
#6

Phenol

Concen: 1.222 ng/ul
 RT: 7.07 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	94	Resp	55328
Ion Ratio	Lower	Upper	
94	100		
65	33.7	28.2	42.4
66	49.9	47.2	70.8

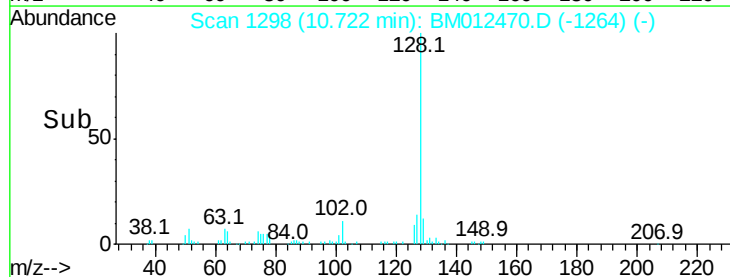
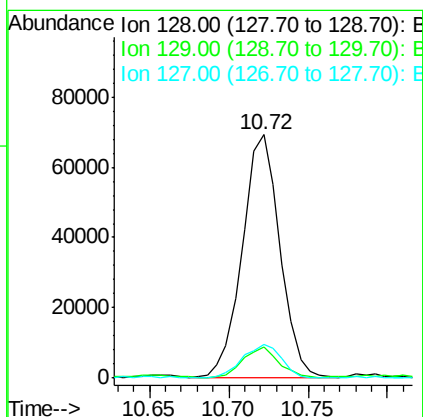
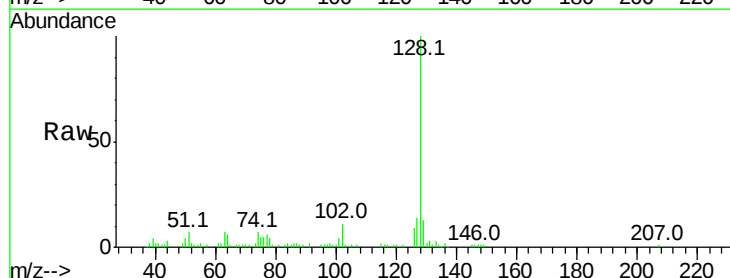


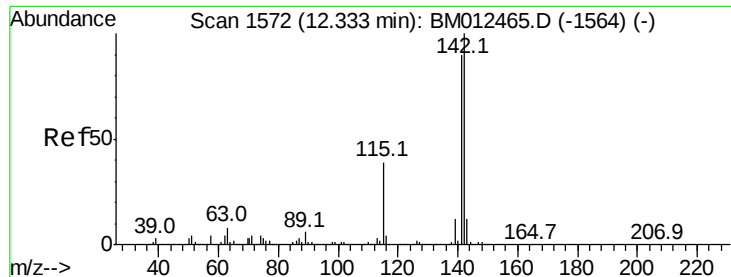
#28

Naphthalene

Concen: 1.091 ng/ul
 RT: 10.72 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

Tgt Ion	128	Resp	114635
Ion Ratio	Lower	Upper	
128	100		
129	12.6	8.8	13.2
127	13.7	10.6	16.0

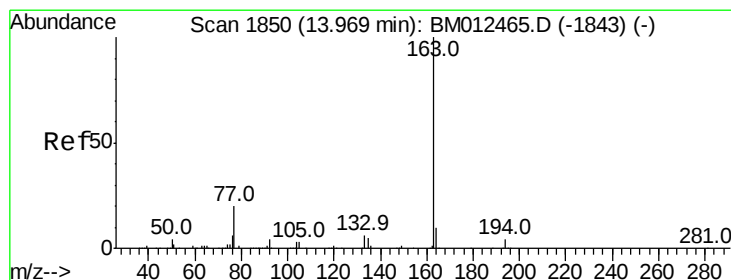
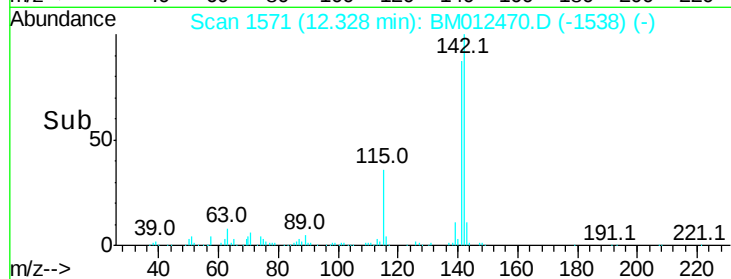
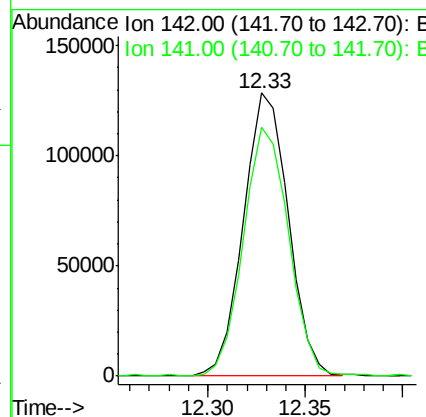
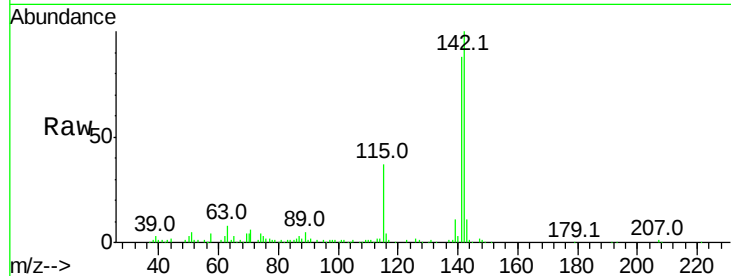




#34
 2-Methylnaphthalene
 Concen: 2.404 ng/ul
 RT: 12.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

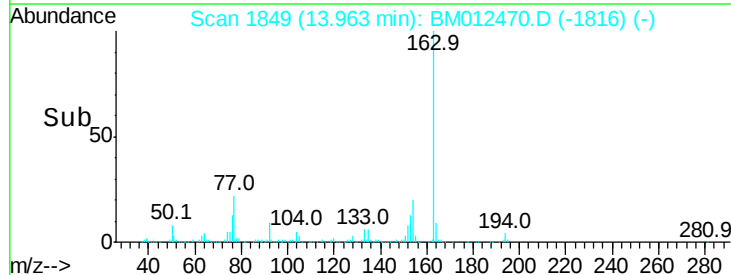
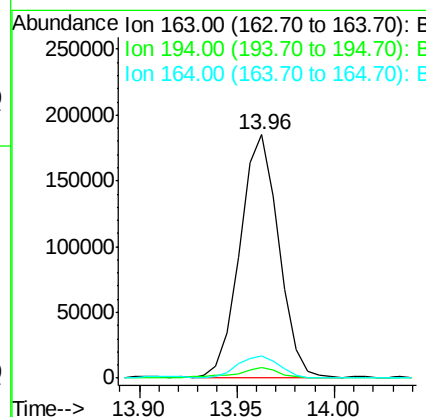
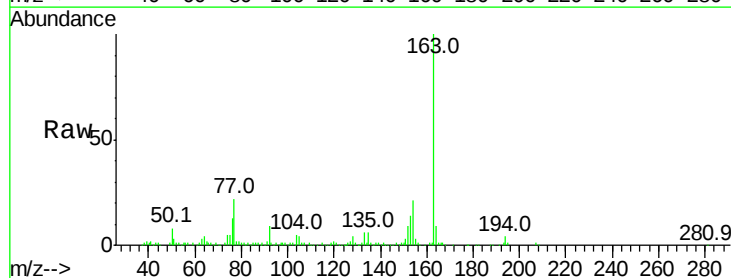
Instrument :
 BNA_M
 ClientSampled :

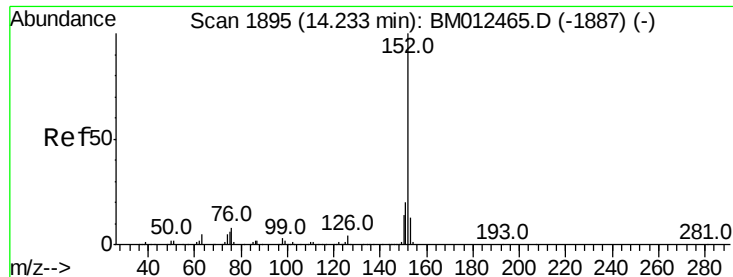
Tot Ion:142 Resp: 205107
 Ion Ratio Lower Upper
 142 100
 141 88.0 74.1 111.1



#44
 Dimethylphthalate
 Concen: 2.374 ng/ul
 RT: 13.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

Tgt Ion:163 Resp: 252475
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.5 5.3
 164 9.2 8.2 12.4





#47

Acenaphthylene

Concen: 3.651 ng/ul

RT: 14.23 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

Instrument :

BNA_M

ClientSampleId :

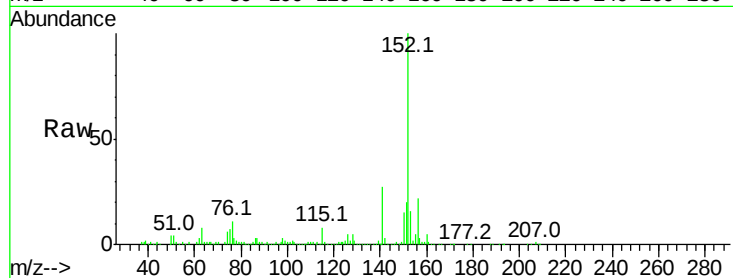
Tot Ion:152 Resp: 443105

Ion Ratio Lower Upper

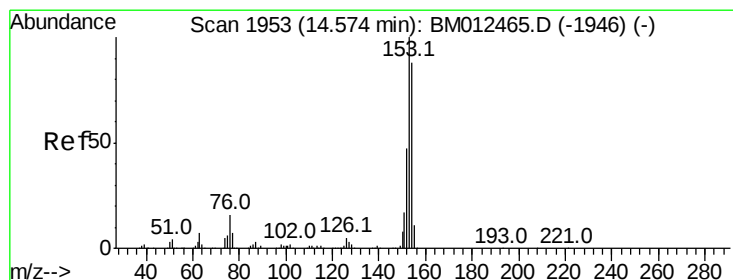
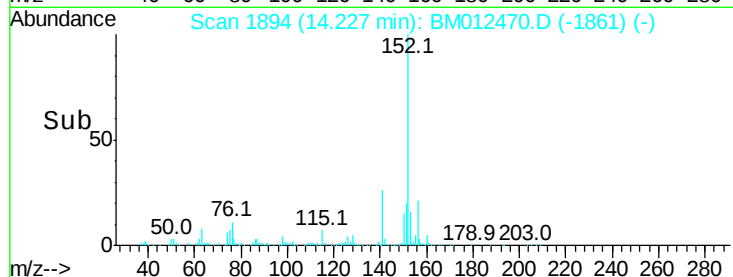
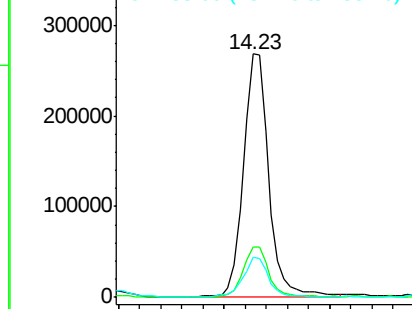
152 100

151 20.5 16.3 24.5

153 16.4 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: 1.726 ng/ul

RT: 14.57 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

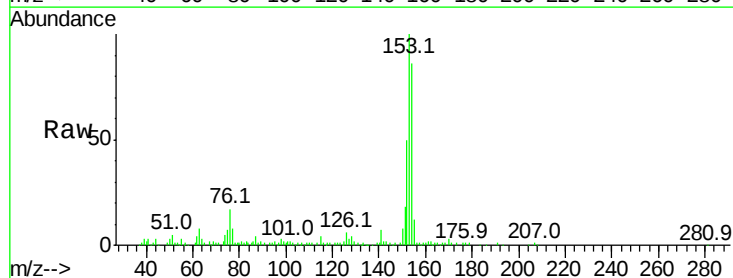
Tgt Ion:153 Resp: 143509

Ion Ratio Lower Upper

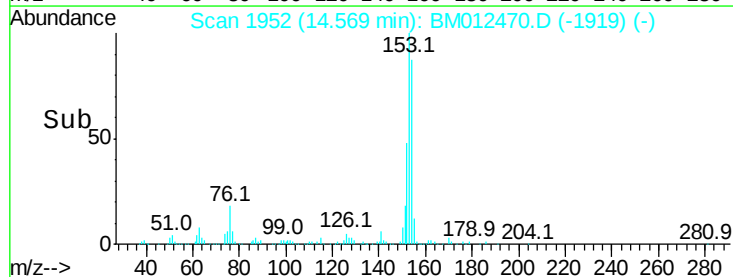
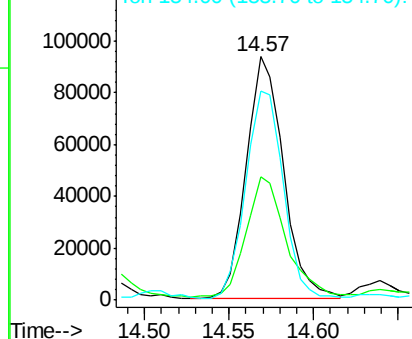
153 100

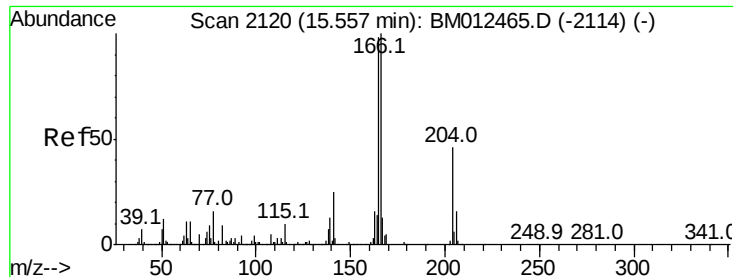
152 50.5 37.6 56.4

154 85.7 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

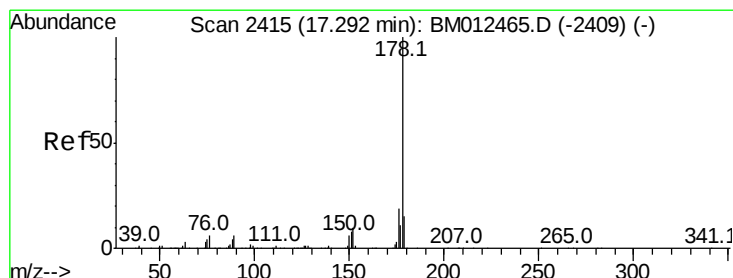
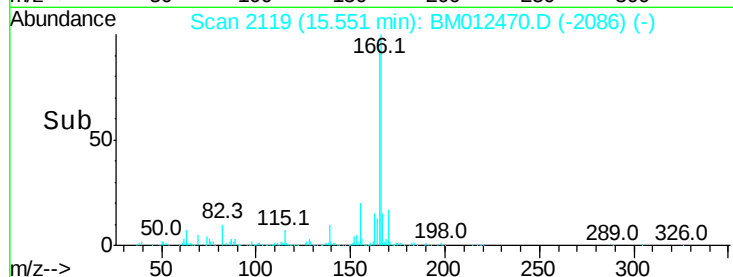
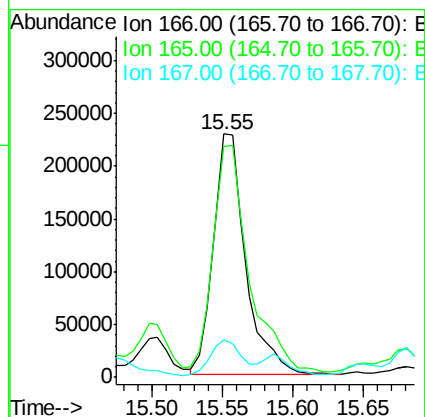
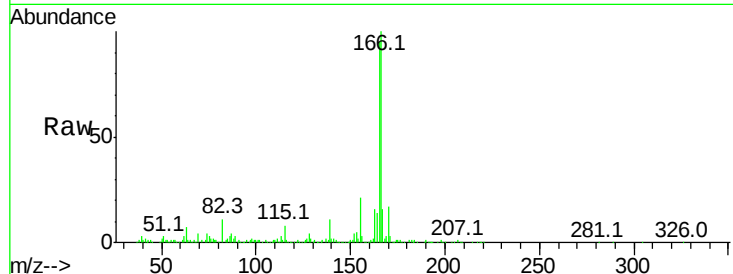




#58
 Fluorene
 Concen: 3.482 ng/ul
 RT: 15.55 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

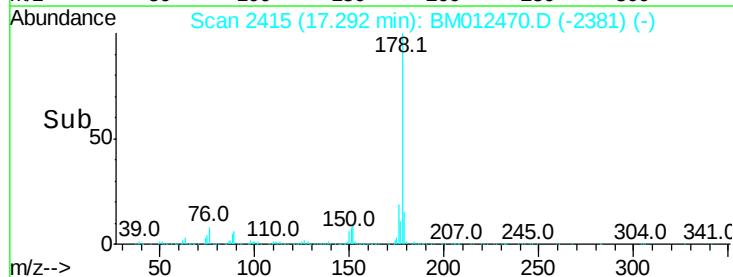
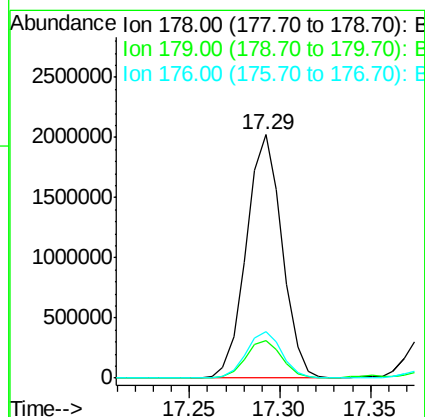
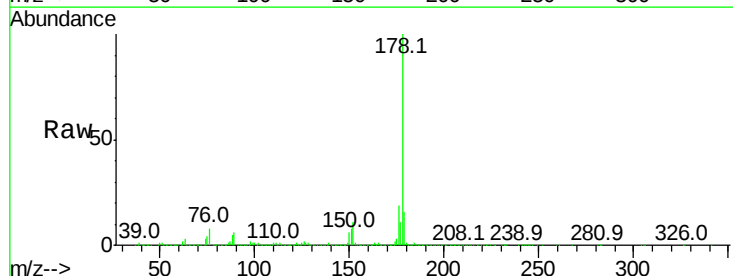
Instrument :
 BNA_M
 ClientSampleId :

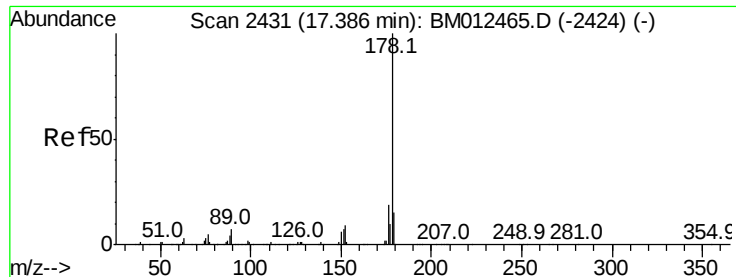
Tot Ion	Ratio	Lower	Upper
166	100		
165	94.6	77.9	116.9
167	15.5	10.6	16.0



#69
 Phenanthrene
 Concen: 21.357 ng/ul
 RT: 17.29 min Scan# 2415
 Delta R.T. 0.00 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.2	14.9	22.3

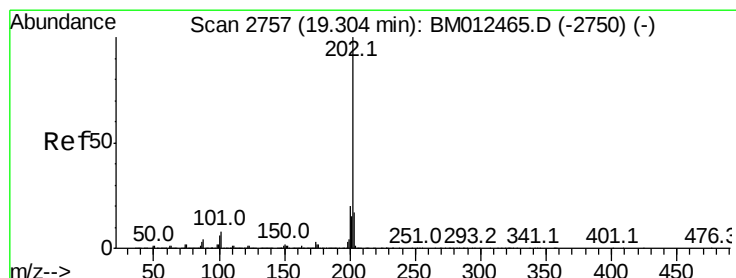
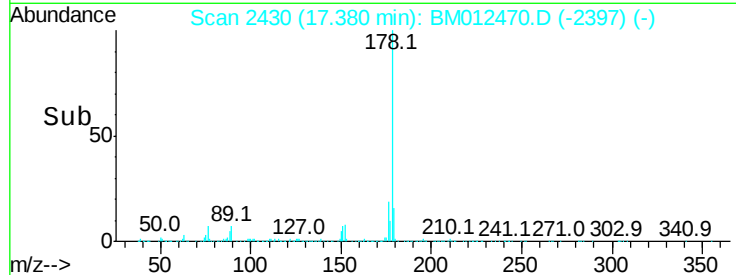
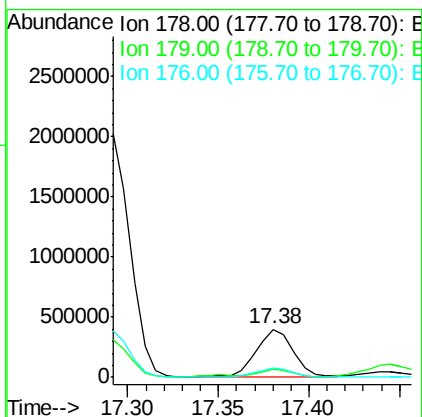
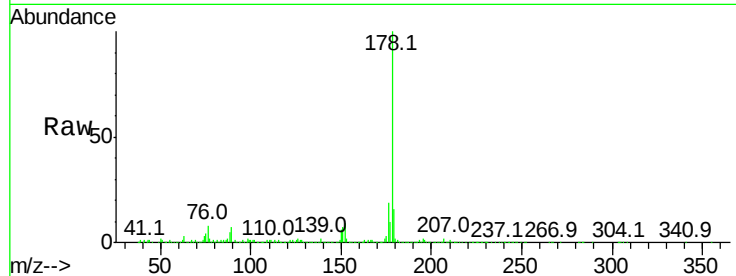




#71
 Anthracene
 Concen: 4.093 ng/ul
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

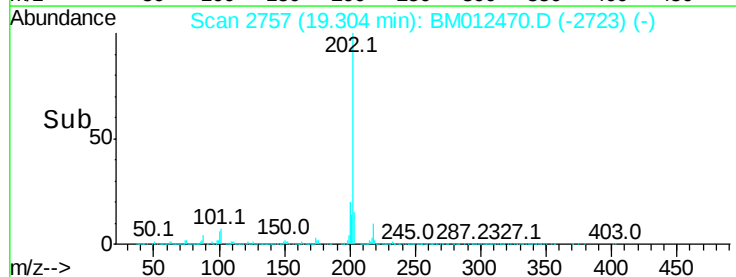
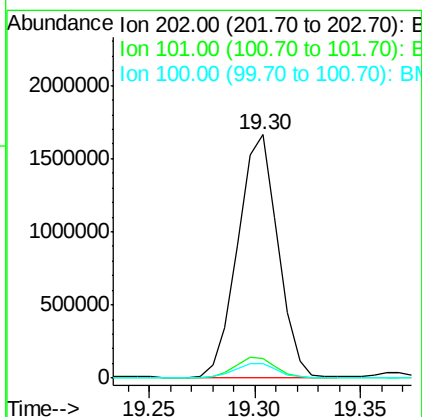
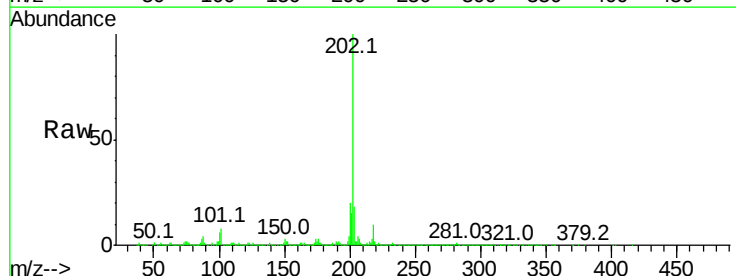
Instrument :
 BNA_M
 ClientSampleId :

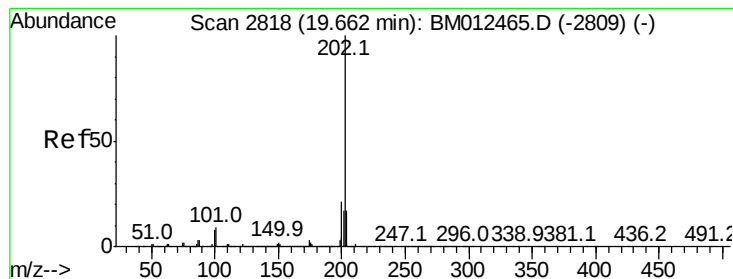
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	19.2	14.6	21.8



#74
 Fluoranthene
 Concen: 14.891 ng/ul
 RT: 19.30 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: BM012470.D
 Acq: 26 Oct 2017 13:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	6.1	3.4	5.2#





#77

Pvrene

Concen: 31.662 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

Instrument :

BNA_M

ClientSampleId :

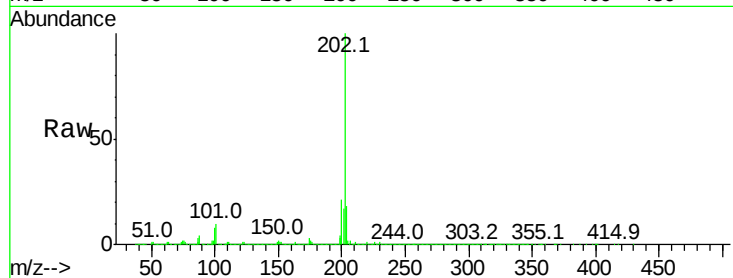
Tot Ion:202 Resp: 3479123

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

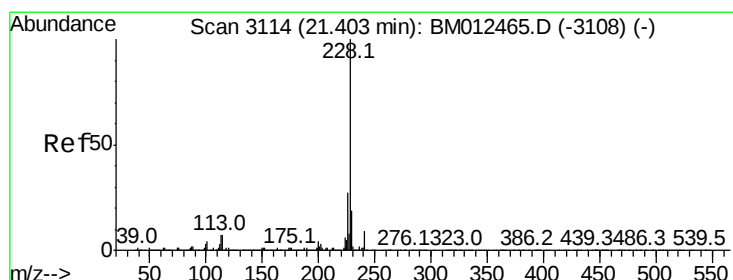
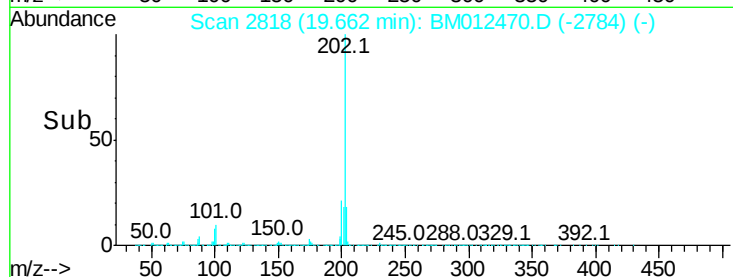
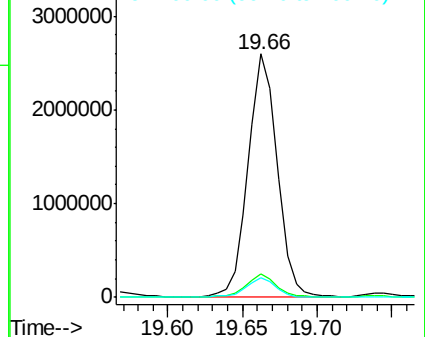
100 8.0 4.9 7.3#



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: 11.702 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

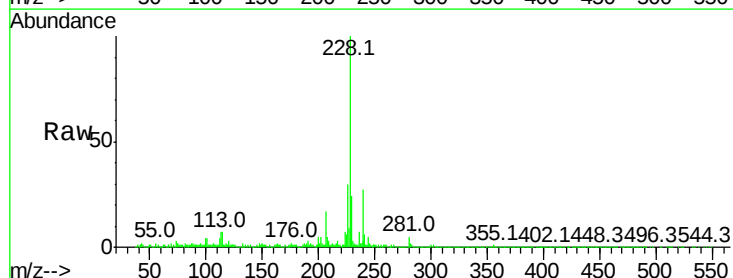
Tgt Ion:228 Resp: 1353979

Ion Ratio Lower Upper

228 100

229 23.7 15.4 23.0#

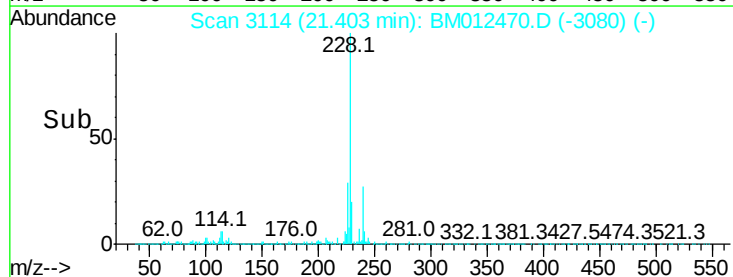
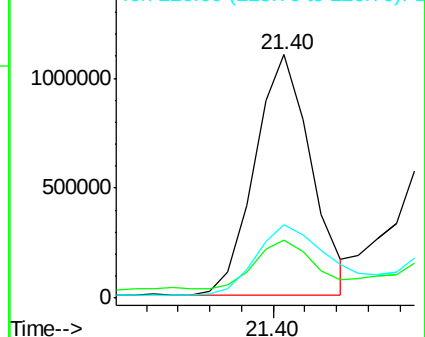
226 30.3 21.4 32.0

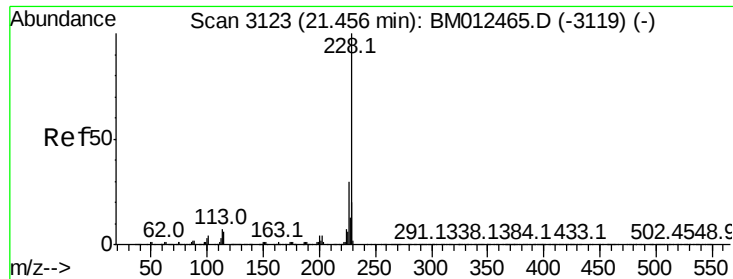


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.296 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

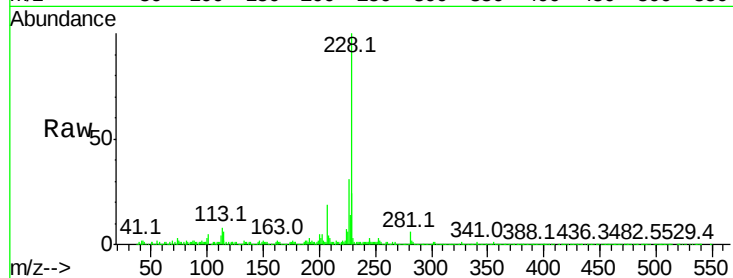
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1573574

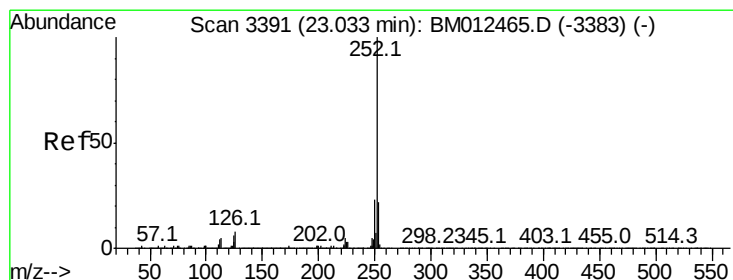
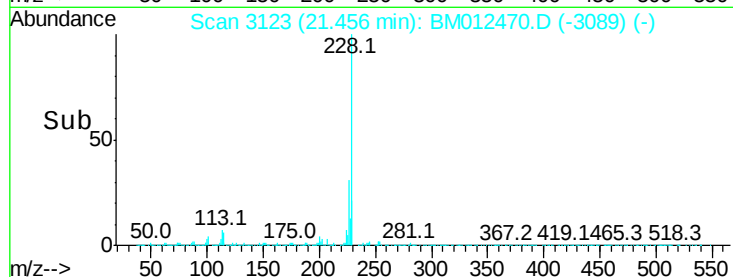
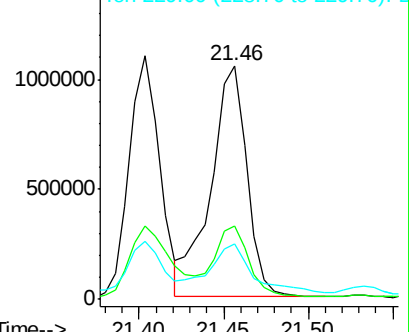
Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	23.7	15.5	23.3#



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: 9.279 ng/ul

RT: 23.03 min Scan# 3391

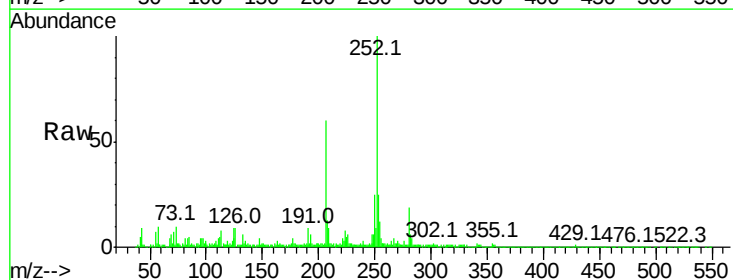
Delta R.T. 0.00 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

Tgt Ion:252 Resp: 1285757

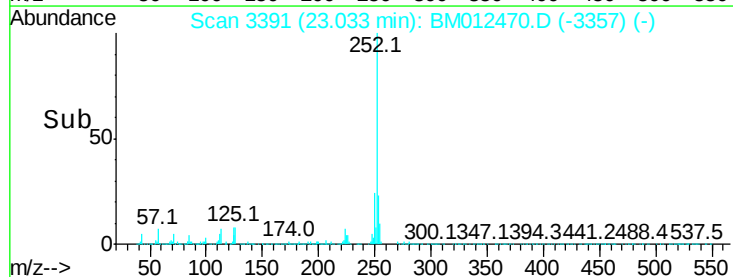
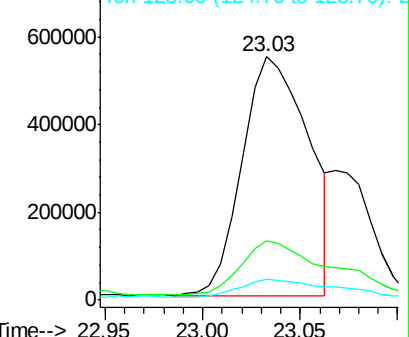
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	8.8	3.6	5.4#

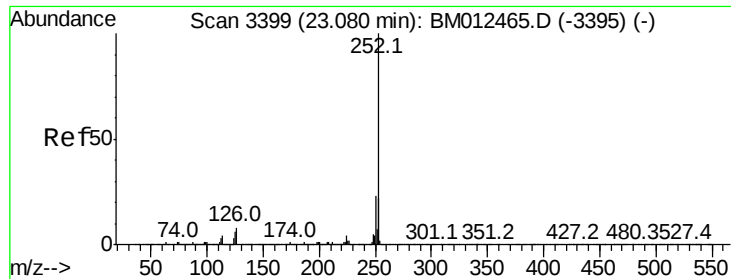


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 9.859 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. -0.05 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

Instrument :

BNA_M

ClientSampleId :

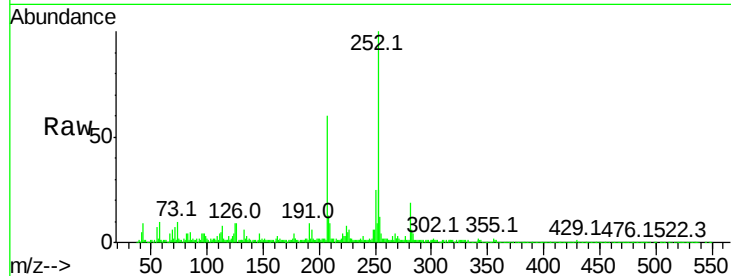
Tot Ion:252 Resp: 1285757

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

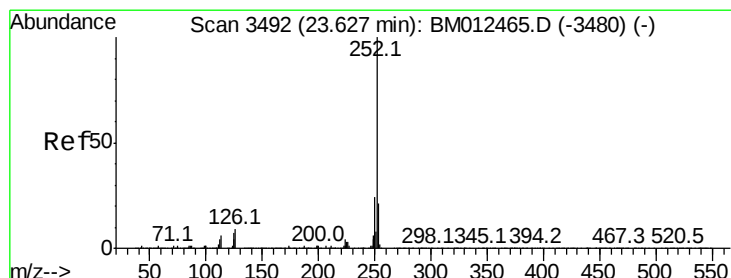
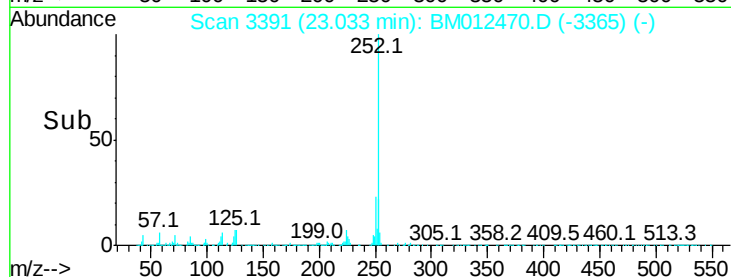
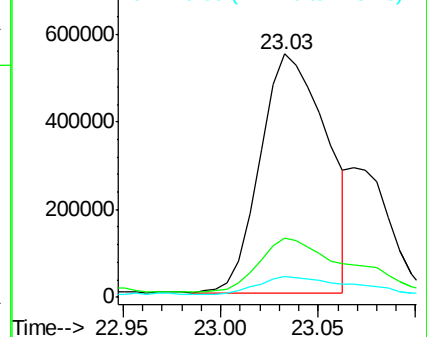
125 8.8 3.4 5.2#



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: 9.754 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

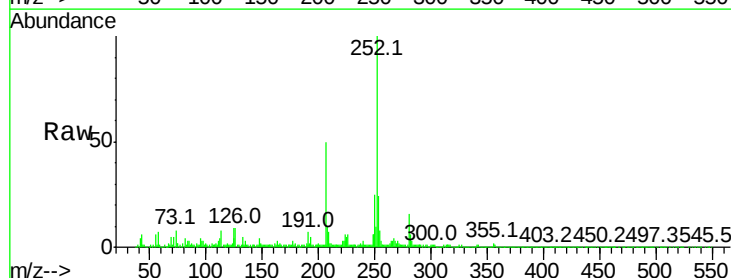
Tgt Ion:252 Resp: 1288557

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

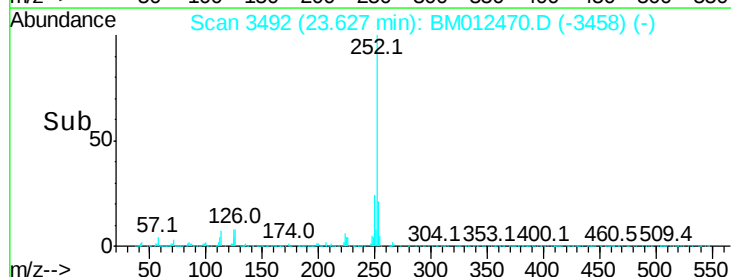
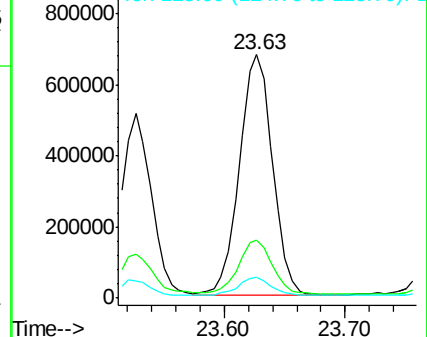
125 8.7 4.0 6.0#

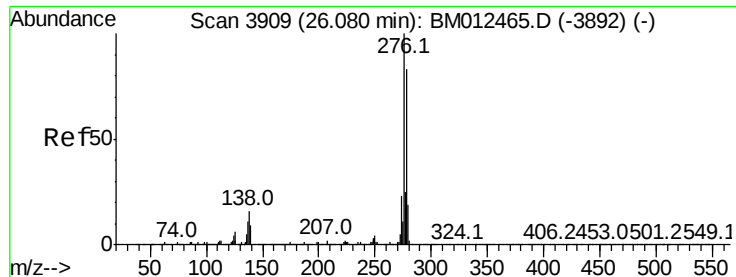


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



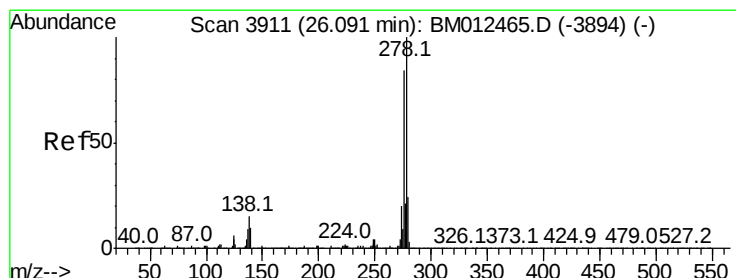
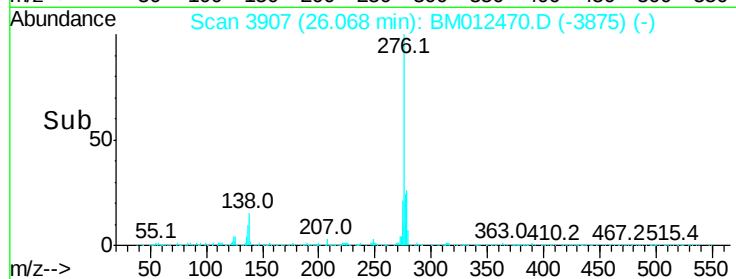
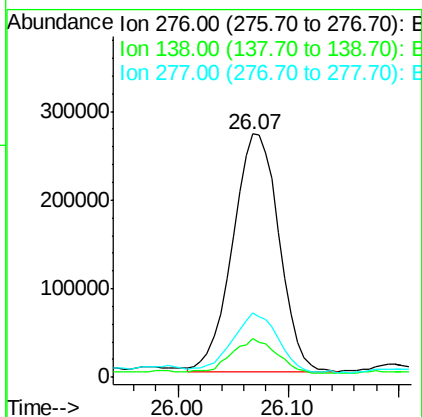
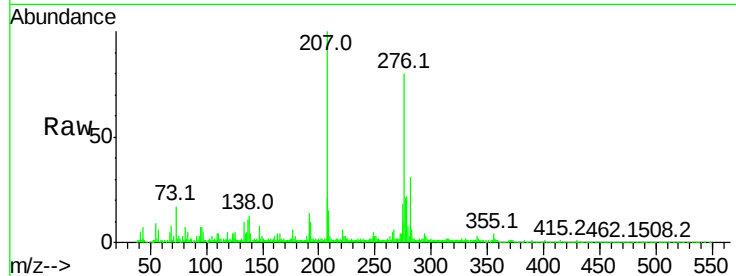


#89

Indeno(1,2,3-cd)pyrene
Concen: 5.062 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM012470.D
Acq: 26 Oct 2017 13:00

Instrument :
BNA_M
ClientSampleId :

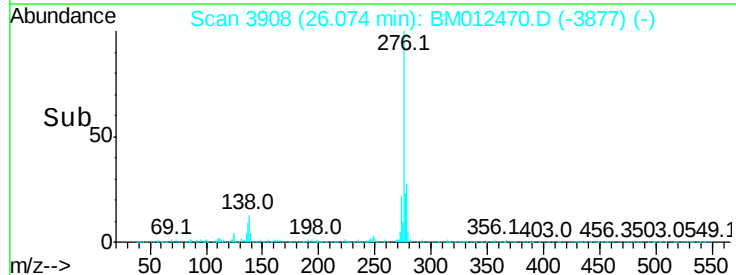
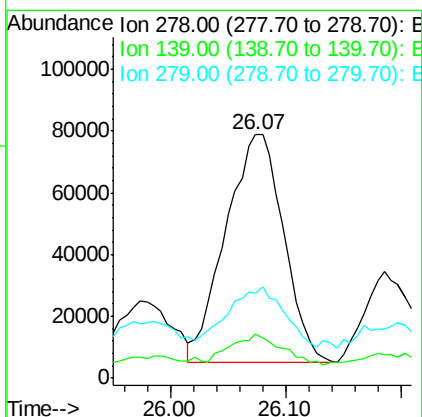
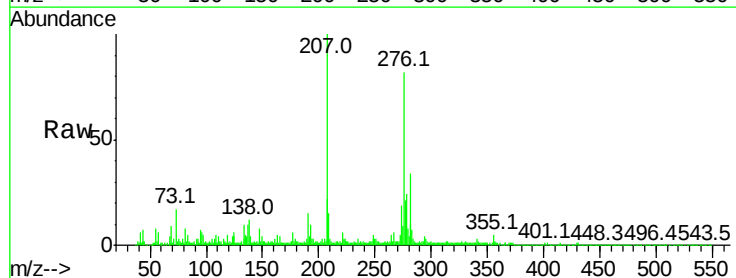
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	9.3	13.9#
277	26.5	19.9	29.9

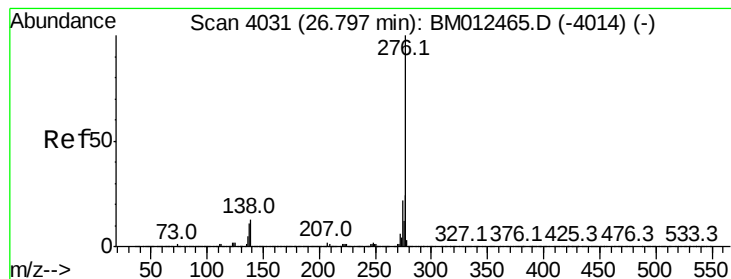


#90

Dibenzo(a,h)anthracene
Concen: 1.944 ng/ul
RT: 26.07 min Scan# 3908
Delta R.T. -0.02 min
Lab File: BM012470.D
Acq: 26 Oct 2017 13:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	5.8	8.8#
279	34.9	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 5.989 ng/ul

RT: 26.79 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM012470.D

Acq: 26 Oct 2017 13:00

Instrument :

BNA_M

ClientSampleId :

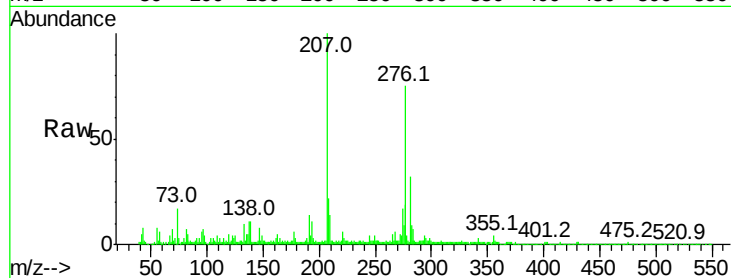
Tot Ion:276 Resp: 754640

Ion Ratio Lower Upper

276 100

138 14.2 8.5 12.7#

277 25.5 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

