

Data File : BM013487.D

Acq On : 16 Dec 2017 21:20

Operator : SJ/JU

Sample : I6778-15DL 10X

Misc :

ALS Vial : 44 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F9A80DL

Quant Time: Dec 18 03:15:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Dec 18 03:13:05 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	217020	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	971339	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	553983	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1238245	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1009384	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	849390	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2451	0.56	ng/uL	0.00
5) Phenol-d5	6.86	99	47962	2.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	31515	2.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	41716	2.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	40987	2.56	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	21313	2.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	22122	2.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	41287	2.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	36305	2.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	141929	2.88	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	170674	2.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	11900	1.39	ng/ul	0.01
57) Fluorene-d10	15.31	176	120650	2.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	5647	0.72	ng/ul	0.00
70) Anthracene-d10	17.16	188	182852	2.95	ng/ul	0.00
76) Pyrene-d10	19.46	212	175716	3.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	119014	2.75	ng/ul	0.00

Target Compounds

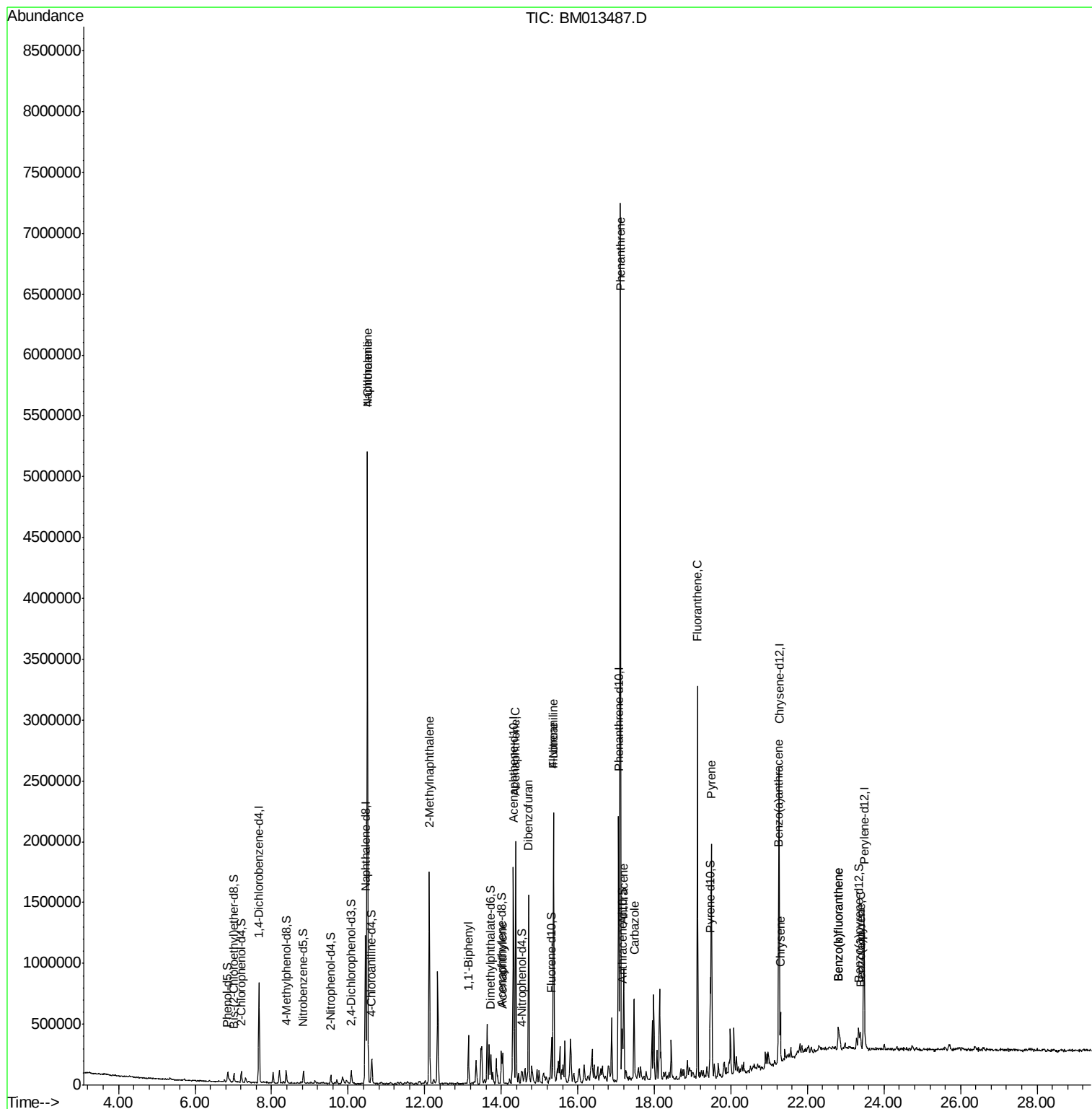
					Qvalue	
28) Naphthalene	10.50	128	3985410	79.75	ng/ul	99
30) 4-Chloroaniline	10.50	127	509333	33.69	ng/ul#	17
34) 2-Methylnaphthalene	12.12	142	797336	21.22	ng/ul	96
40) 1,1'-Biphenyl	13.14	154	195837	4.18	ng/ul	98
47) Acenaphthylene	14.03	152	101888	1.81	ng/ul#	92
49) Acenaphthene	14.38	153	759496	19.80	ng/ul	99
53) Dibenzofuran	14.72	168	859425	15.18	ng/ul	99
58) Fluorene	15.37	166	887999	18.96	ng/ul	99
60) 4-Nitroaniline	15.37	138	10485	1.03	ng/ul#	14
69) Phenanthrene	17.11	178	4092422	58.17	ng/ul	99
71) Anthracene	17.20	178	545216	7.58	ng/ul	99
72) Carbazole	17.47	167	396635	6.41	ng/ul	100
74) Fluoranthene	19.13	202	1845509	21.41	ng/ul#	91
77) Pyrene	19.49	202	1196598	19.51	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	282734	4.41	ng/ul	99
82) Chrysene	21.29	228	227709	3.83	ng/ul	99
85) Benzo(b)fluoranthene	22.81	252	195119	3.41	ng/ul#	98
86) Benzo(k)fluoranthene	22.81	252	195119	3.62	ng/ul#	96
88) Benzo(a)pyrene	23.38	252	96278	1.87	ng/ul#	99

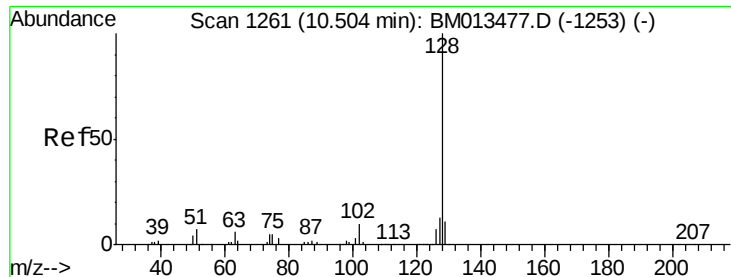
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 44 Sample Multiplier: 1

F9A80DL

Response via : Initial Calibration

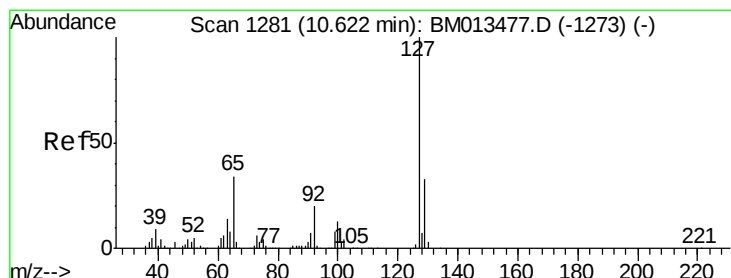
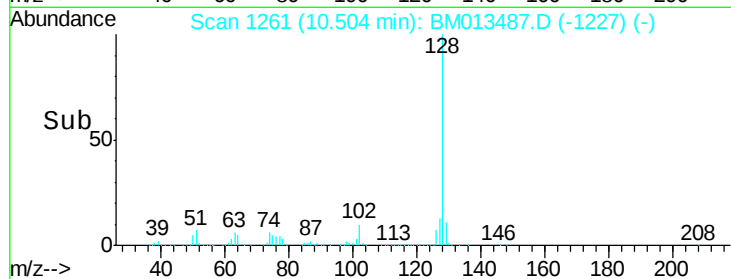
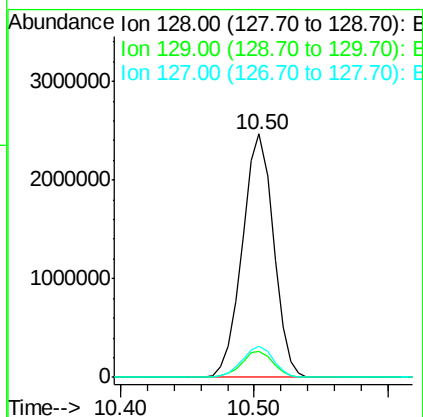
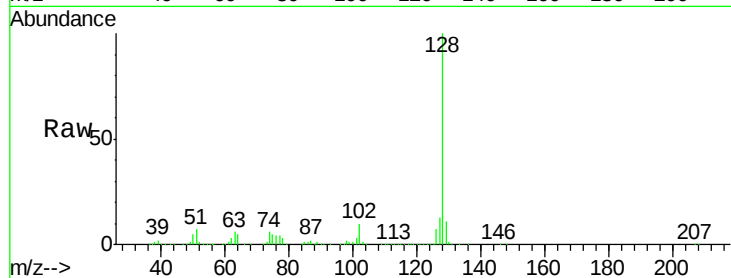




#28
Naphthalene
Concen: 79.75 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

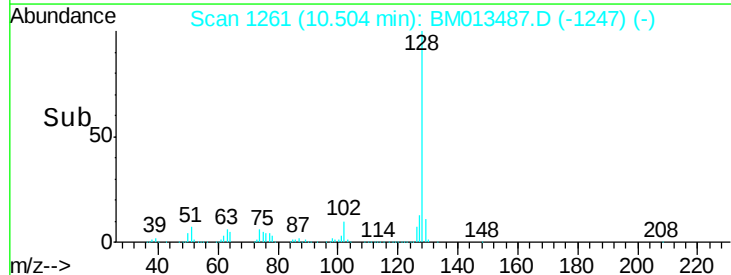
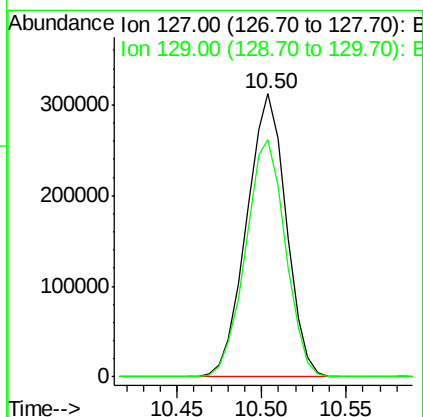
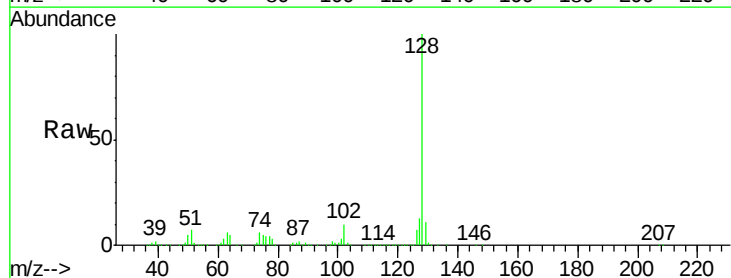
Instrument :
BNA_M
ClientSampleId :
F9A80DL

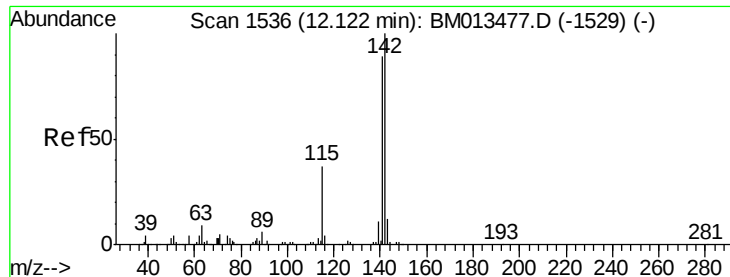
Tgt Ion:128 Resp: 3985410
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.6 10.6 16.0



#30
4-Chloroaniline
Concen: 33.69 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Tgt Ion:127 Resp: 509333
Ion Ratio Lower Upper
127 100
129 83.8 28.4 42.6#

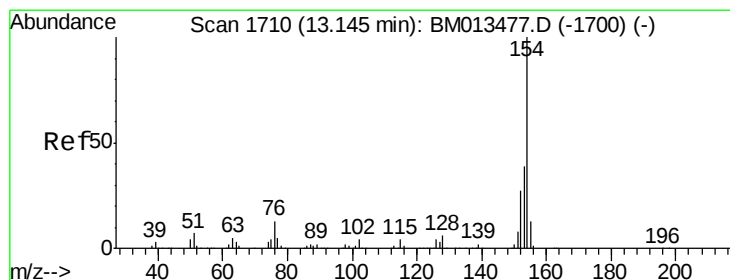
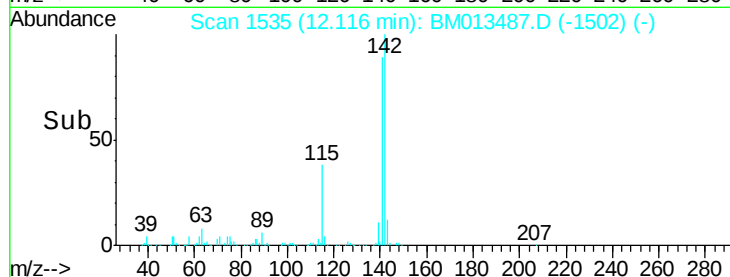
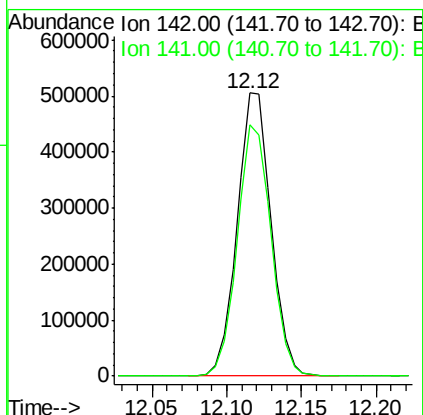
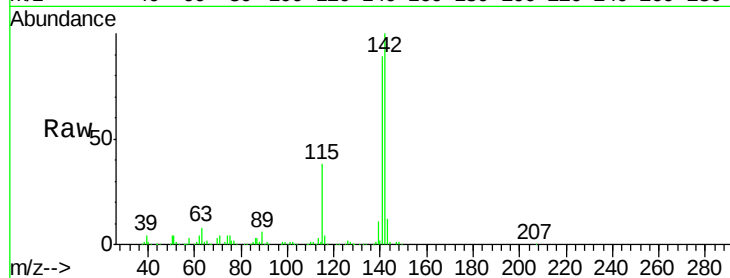




#34
 2-Methylnaphthalene
 Concen: 21.22 ng/ul
 RT: 12.12 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

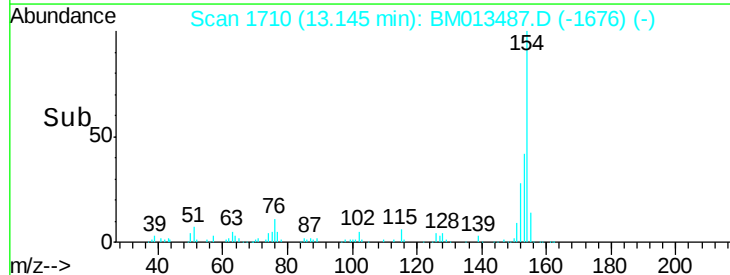
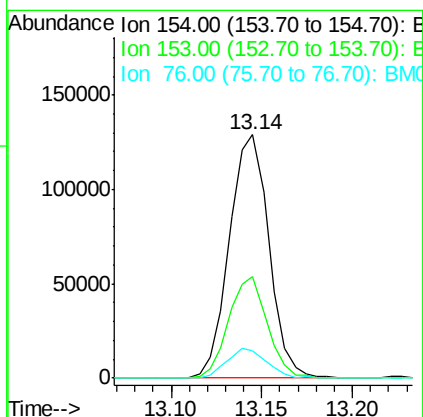
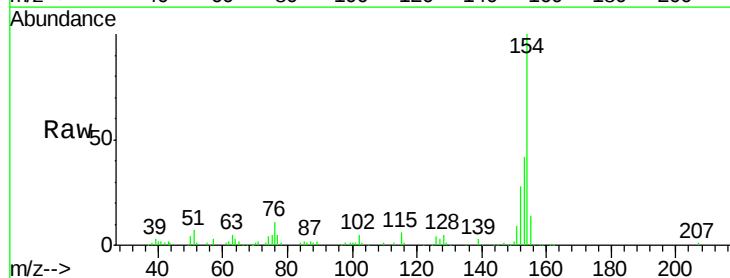
Instrument :
 BNA_M
 ClientSampleId :
 F9A80DL

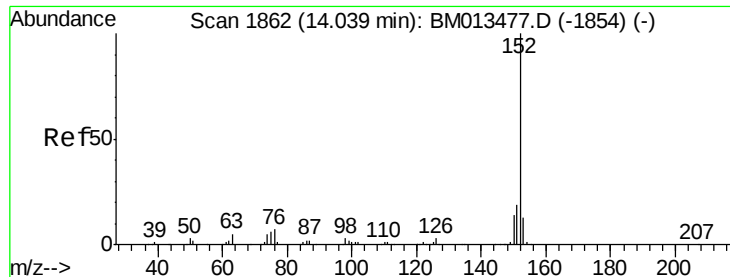
Tgt Ion:142 Resp: 797336
 Ion Ratio Lower Upper
 142 100
 141 88.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.18 ng/ul
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

Tgt Ion:154 Resp: 195837
 Ion Ratio Lower Upper
 154 100
 153 41.6 32.6 48.8
 76 11.5 8.5 12.7

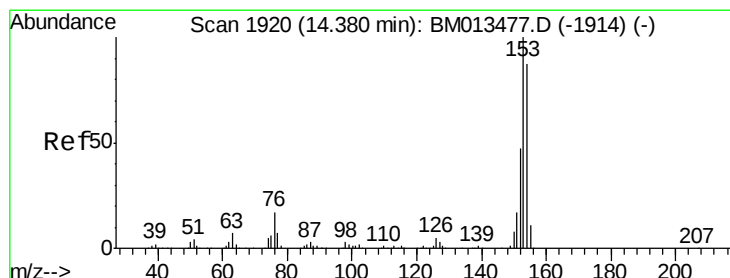
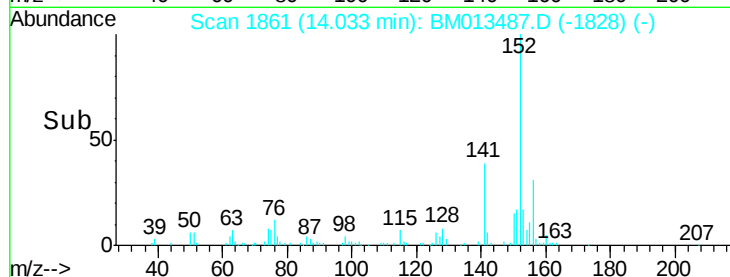
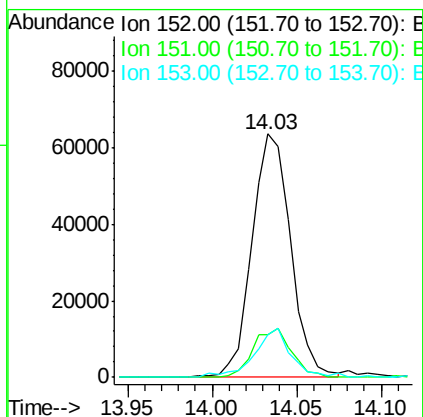
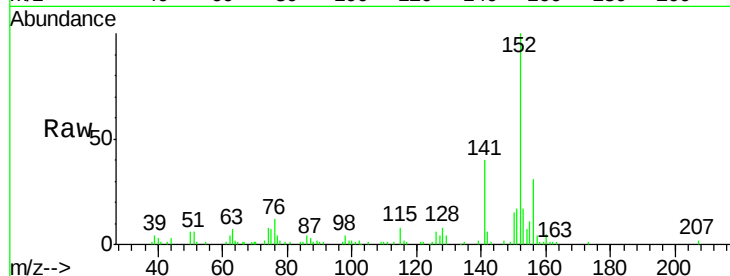




#47
Acenaphthylene
Concen: 1.81 ng/ul
RT: 14.03 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

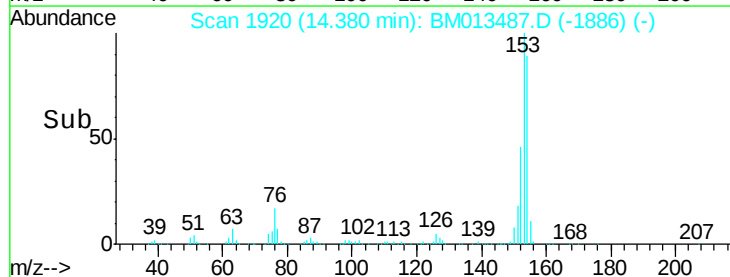
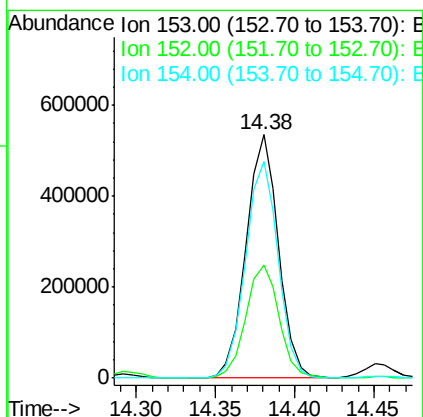
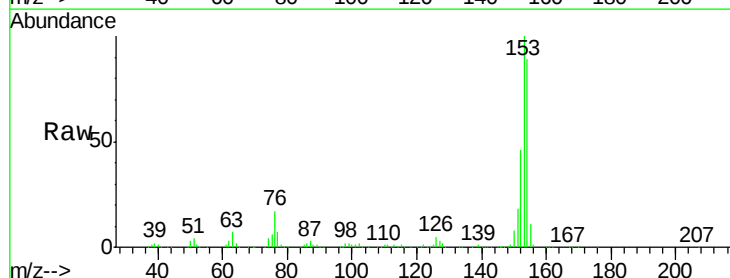
Instrument :
BNA_M
ClientSampleId :
F9A80DL

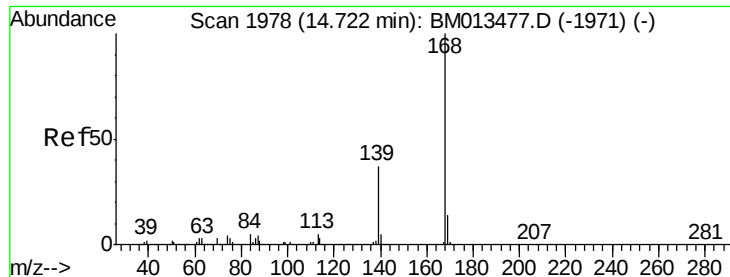
Tgt Ion:152 Resp: 101888
Ion Ratio Lower Upper
152 100
151 17.4 16.3 24.5
153 17.3 10.2 15.4#



#49
Acenaphthene
Concen: 19.80 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Tgt Ion:153 Resp: 759496
Ion Ratio Lower Upper
153 100
152 46.4 37.6 56.4
154 89.3 70.4 105.6





#53

Dibenzenofuran

Concen: 15.18 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

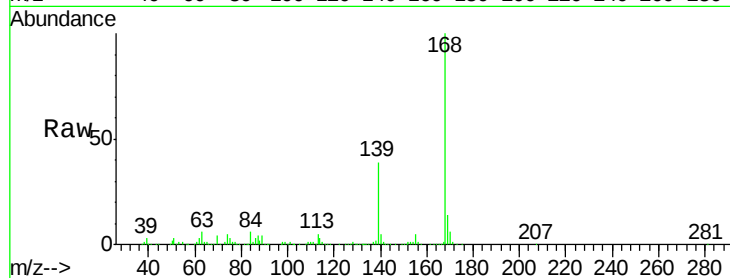
F9A80DL

Tgt Ion:168 Resp: 859425

Ion Ratio Lower Upper

168 100

139 38.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

600000

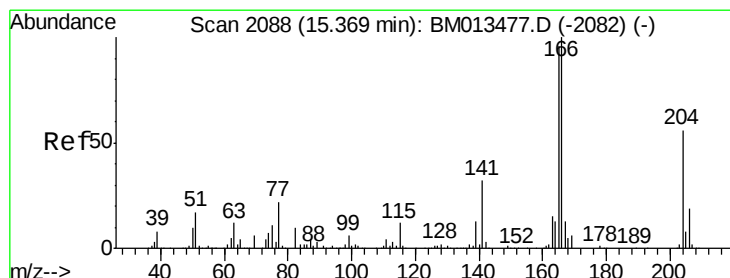
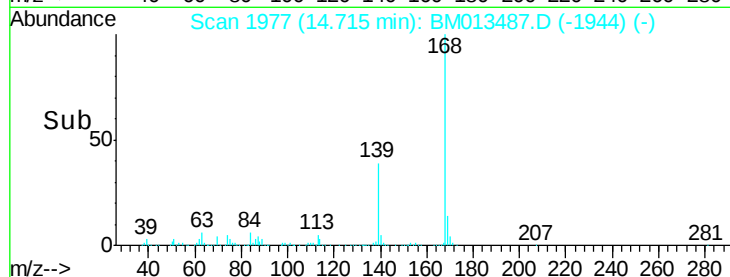
400000

200000

0

14.65 14.70 14.75 14.80

Time-->



#58

Fluorene

Concen: 18.96 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

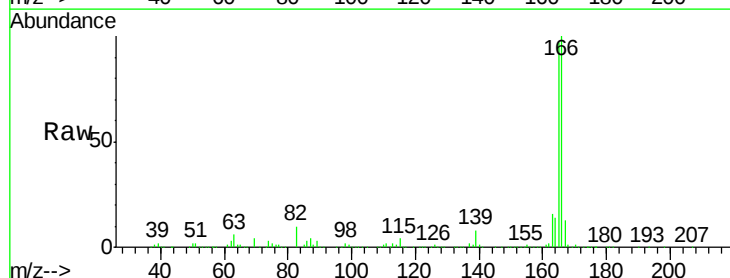
Tgt Ion:166 Resp: 887999

Ion Ratio Lower Upper

166 100

165 96.6 77.9 116.9

167 13.2 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

800000

600000

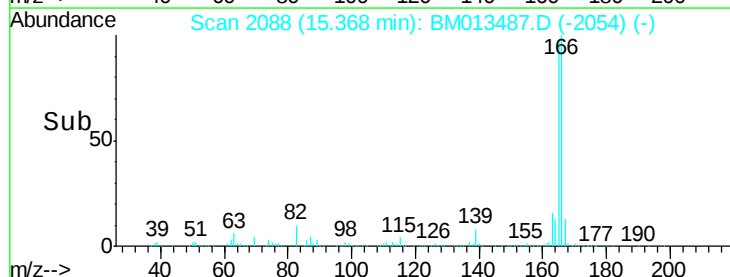
400000

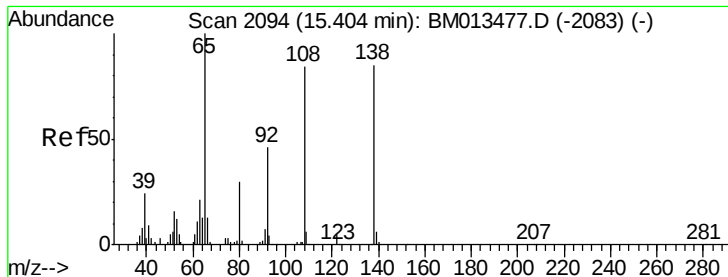
200000

0

15.30 15.35 15.40 15.45

Time-->





#60

4-Nitroaniline

Concen: 1.03 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.04 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampled :

F9A80DL

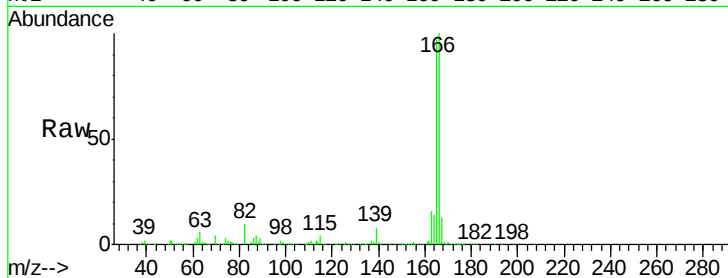
Tgt Ion:138 Resp: 10485

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

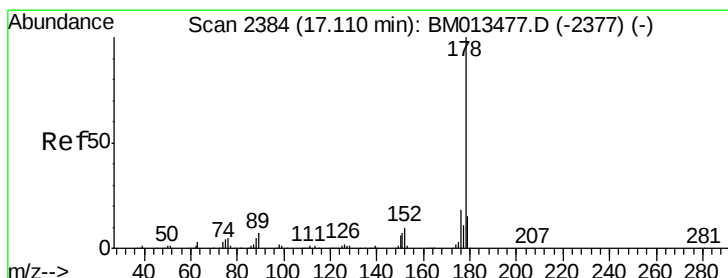
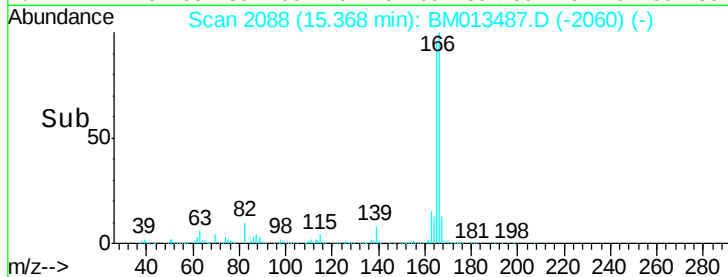
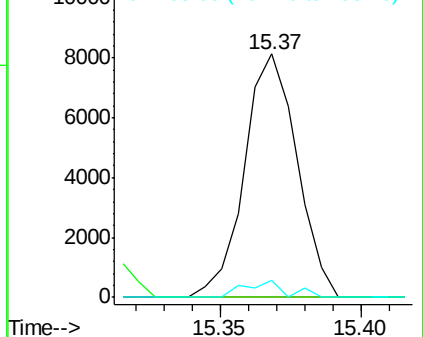
108 6.9 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 58.17 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

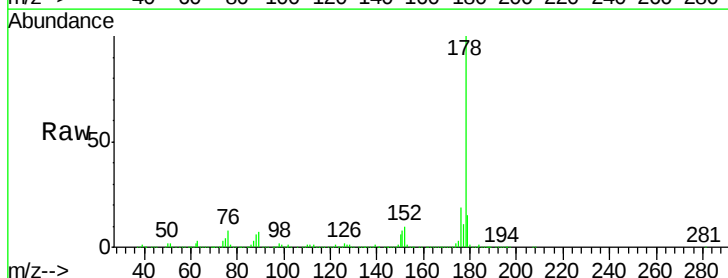
Tgt Ion:178 Resp: 4092422

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

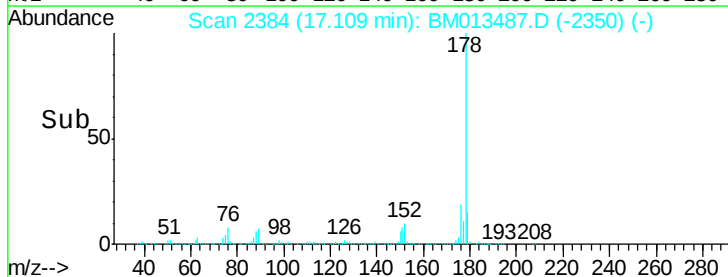
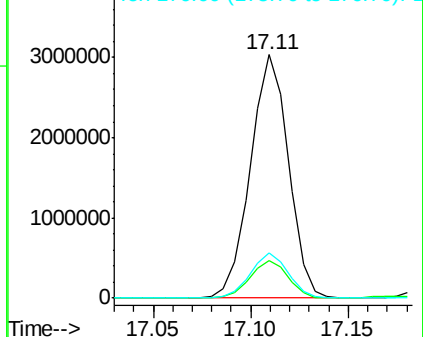
176 18.6 14.9 22.3

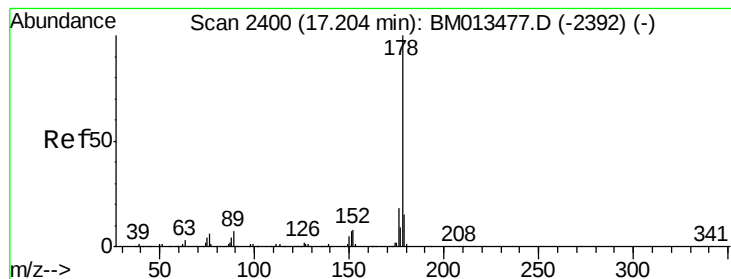


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.58 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

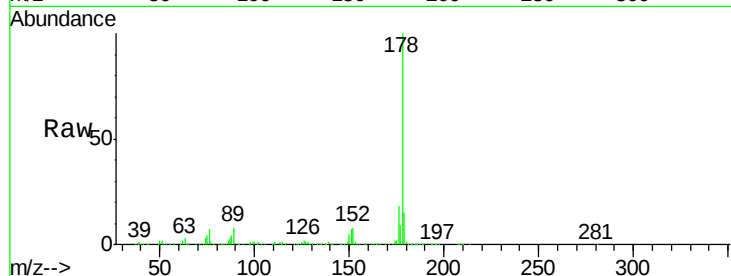
Tgt Ion:178 Resp: 545216

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

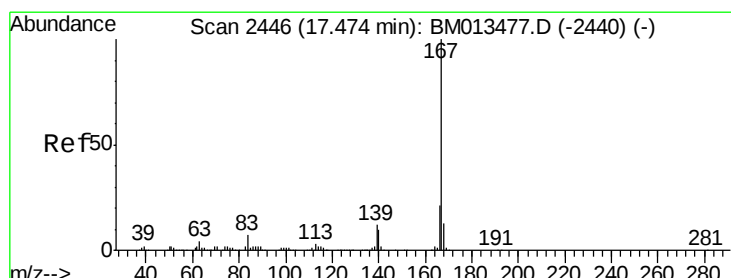
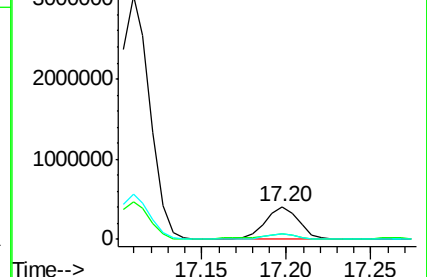
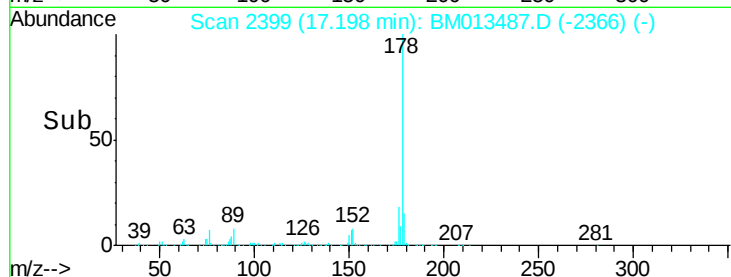
176 17.8 14.6 21.8



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: 6.41 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

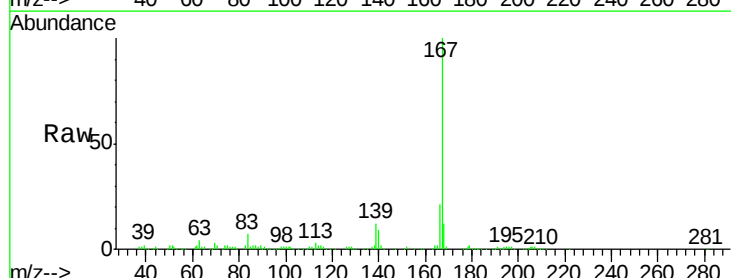
Tgt Ion:167 Resp: 396635

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

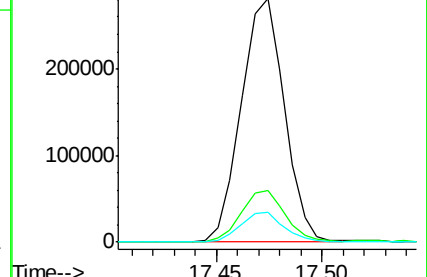
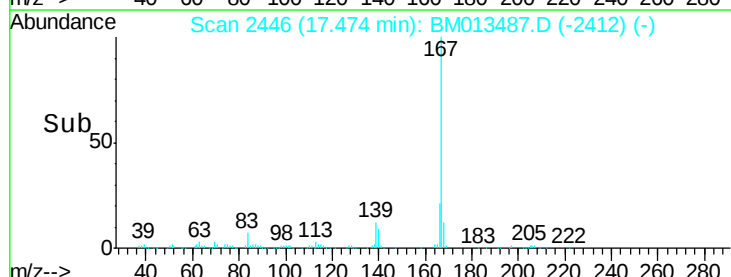
139 12.2 10.0 15.0

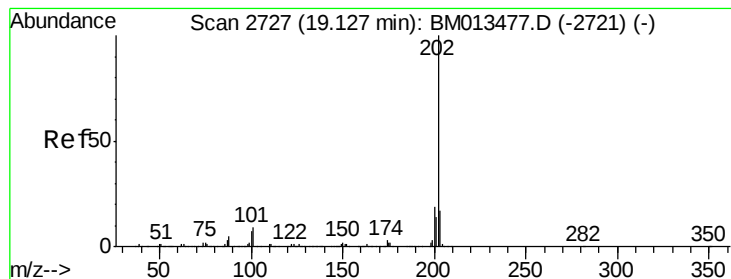


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 21.41 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

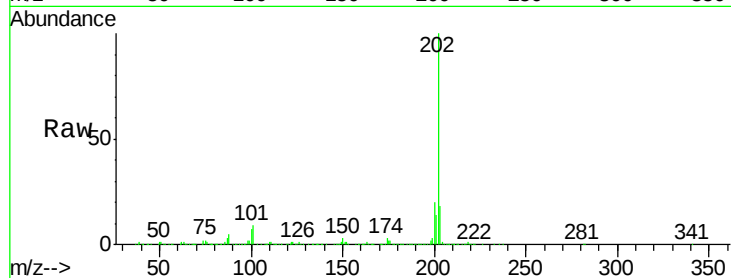
Tgt Ion:202 Resp: 1845509

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

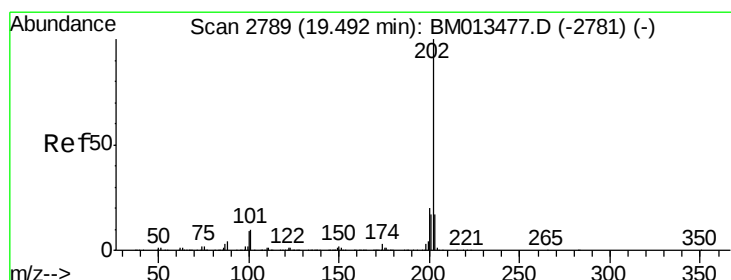
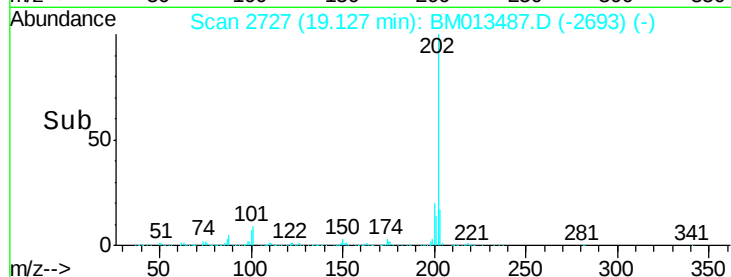
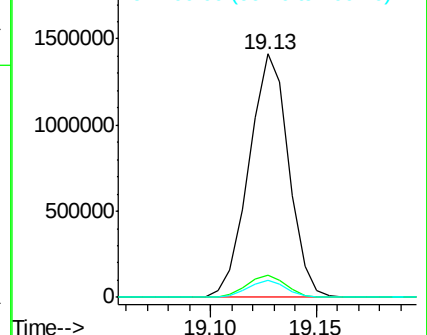
100 6.9 3.4 5.2#



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

Pyrene

Concen: 19.51 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

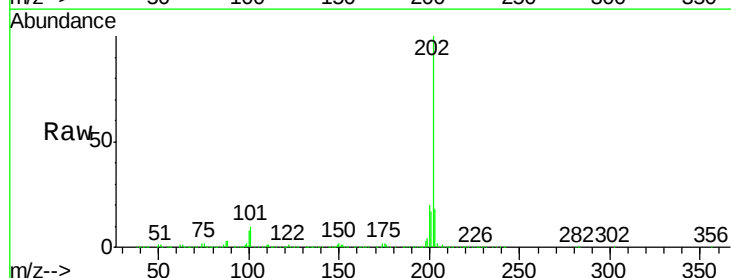
Tgt Ion:202 Resp: 1196598

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

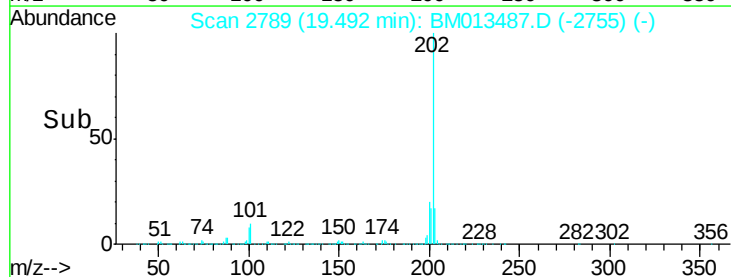
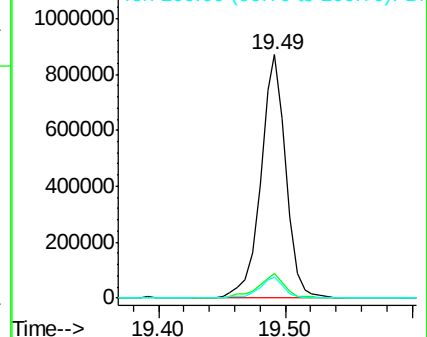
100 8.4 4.9 7.3#

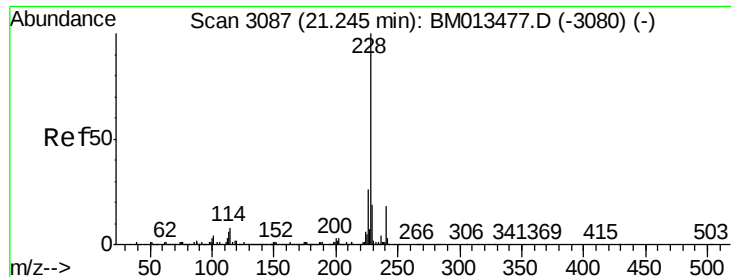


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.41 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

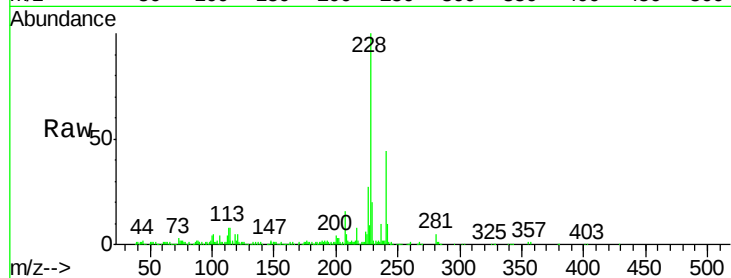
Tgt Ion:228 Resp: 282734

Ion Ratio Lower Upper

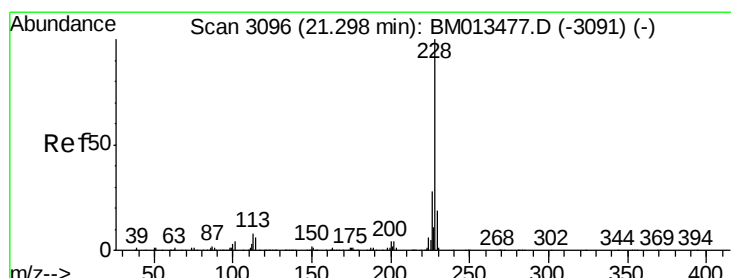
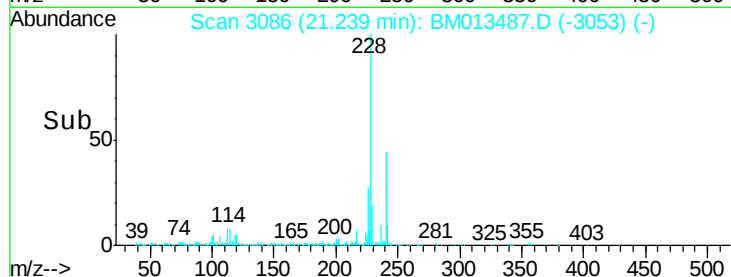
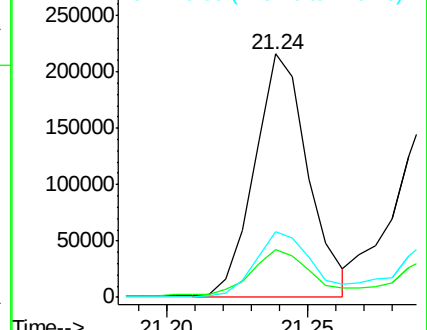
228 100

229 19.7 15.4 23.0

226 27.2 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: 3.83 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

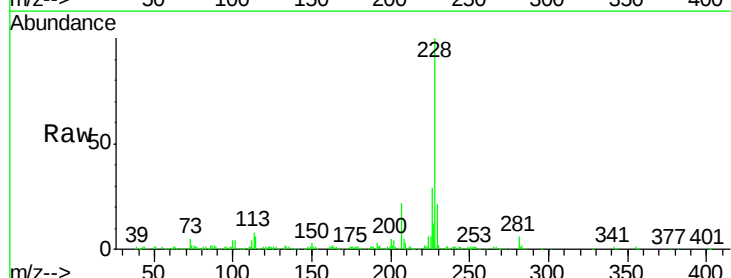
Tgt Ion:228 Resp: 227709

Ion Ratio Lower Upper

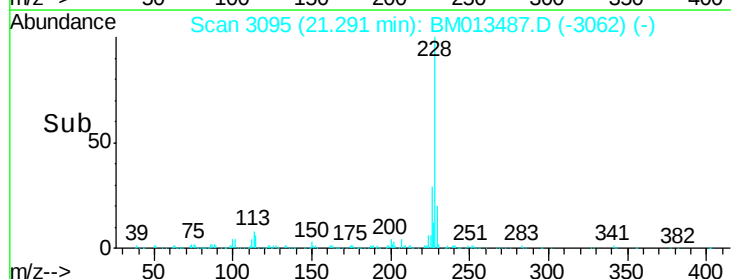
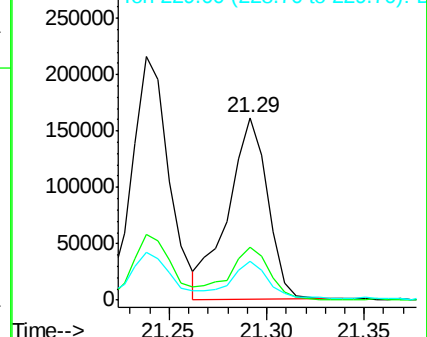
228 100

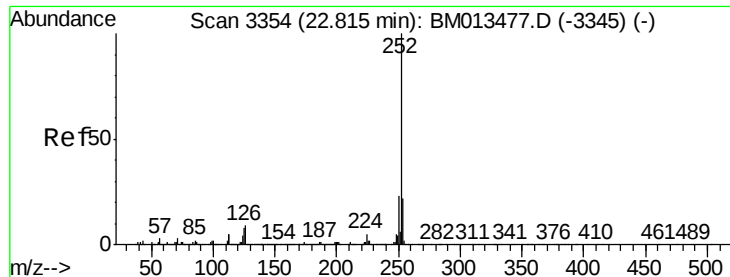
226 29.3 23.4 35.2

229 20.9 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: 3.41 ng/ul

RT: 22.81 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

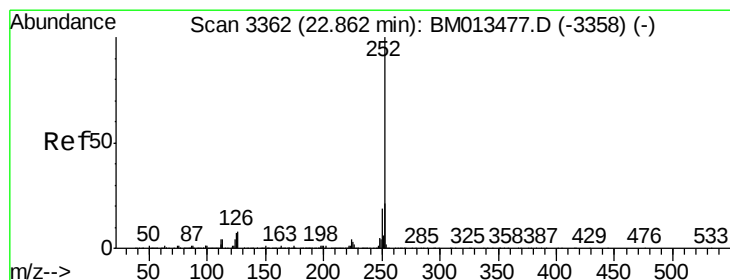
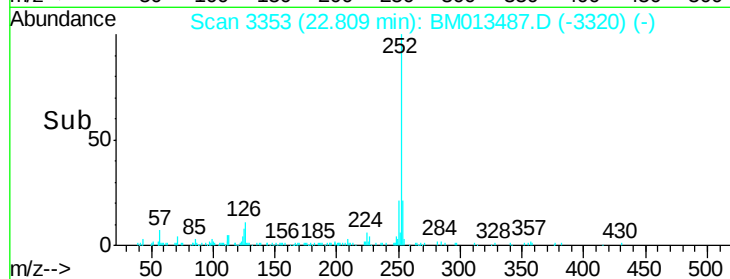
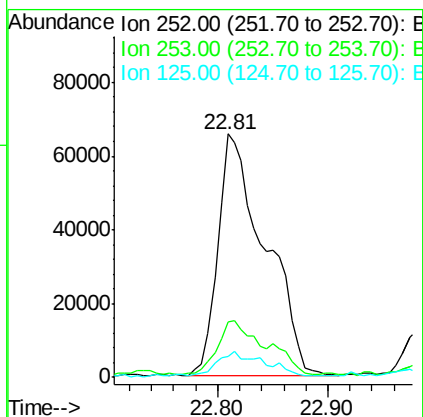
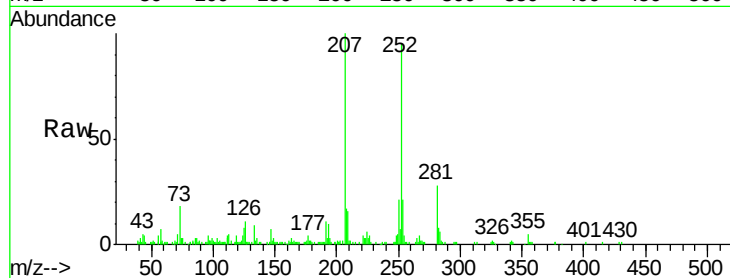
Instrument :

BNA_M

ClientSampleId :

F9A80DL

Tgt Ion:	252	Resp:	195119
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.9	26.9
125	8.4	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 3.62 ng/ul

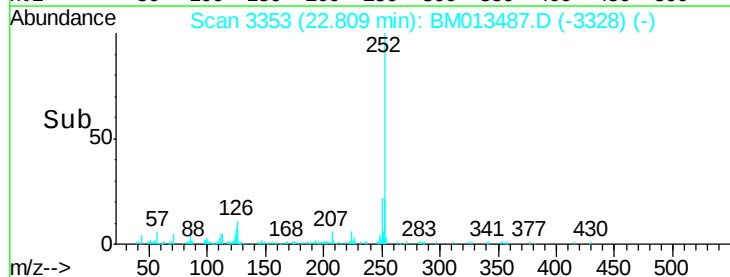
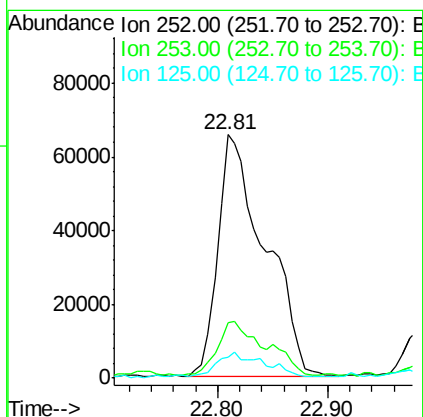
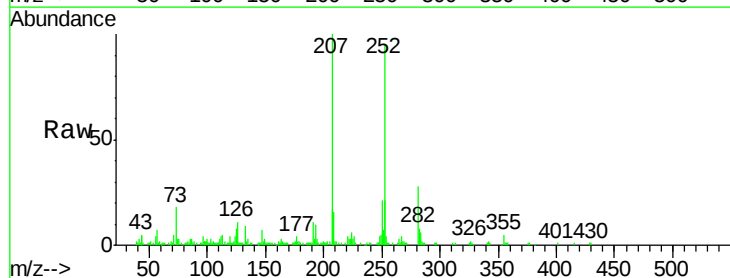
RT: 22.81 min Scan# 3353

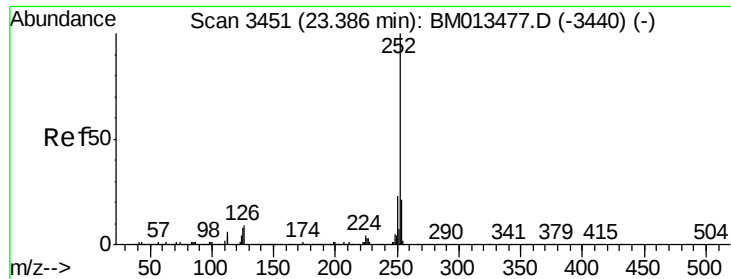
Delta R.T. -0.05 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Tgt Ion:	252	Resp:	195119
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.1	25.7
125	8.4	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 1.87 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

Tgt Ion:	252	Resp:	96278
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	7.2	4.0	6.0

