

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014829.D
 Acq On : 25 Apr 2018 02:54
 Operator : SJ/JU
 Sample : J2431-15DL2 30X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 04:29:58 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	502175	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2115175	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1053446	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2048115	20.00	ng/ul	0.00
75) Chrysene-d12	21.92	240	1921003	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	1970314	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.64	96	190	0.02	ng/uL	-0.01
5) Phenol-d5	7.65	99	27404	0.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	25023	1.01	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	21857	0.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	20443	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	10438	0.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	8454	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	18058	0.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	27518	0.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.51	166	58766	0.71	ng/ul	0.00
46) Acenaphthylene-d8	14.82	160	62178	0.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	4818	0.32	ng/ul	0.00
57) Fluorene-d10	16.10	176	57409	0.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	3102	0.28	ng/ul	0.00
70) Anthracene-d10	17.93	188	71388	0.75	ng/ul	0.00
76) Pyrene-d10	20.17	212	74744	0.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	74964	0.77	ng/ul	0.00

Target Compounds

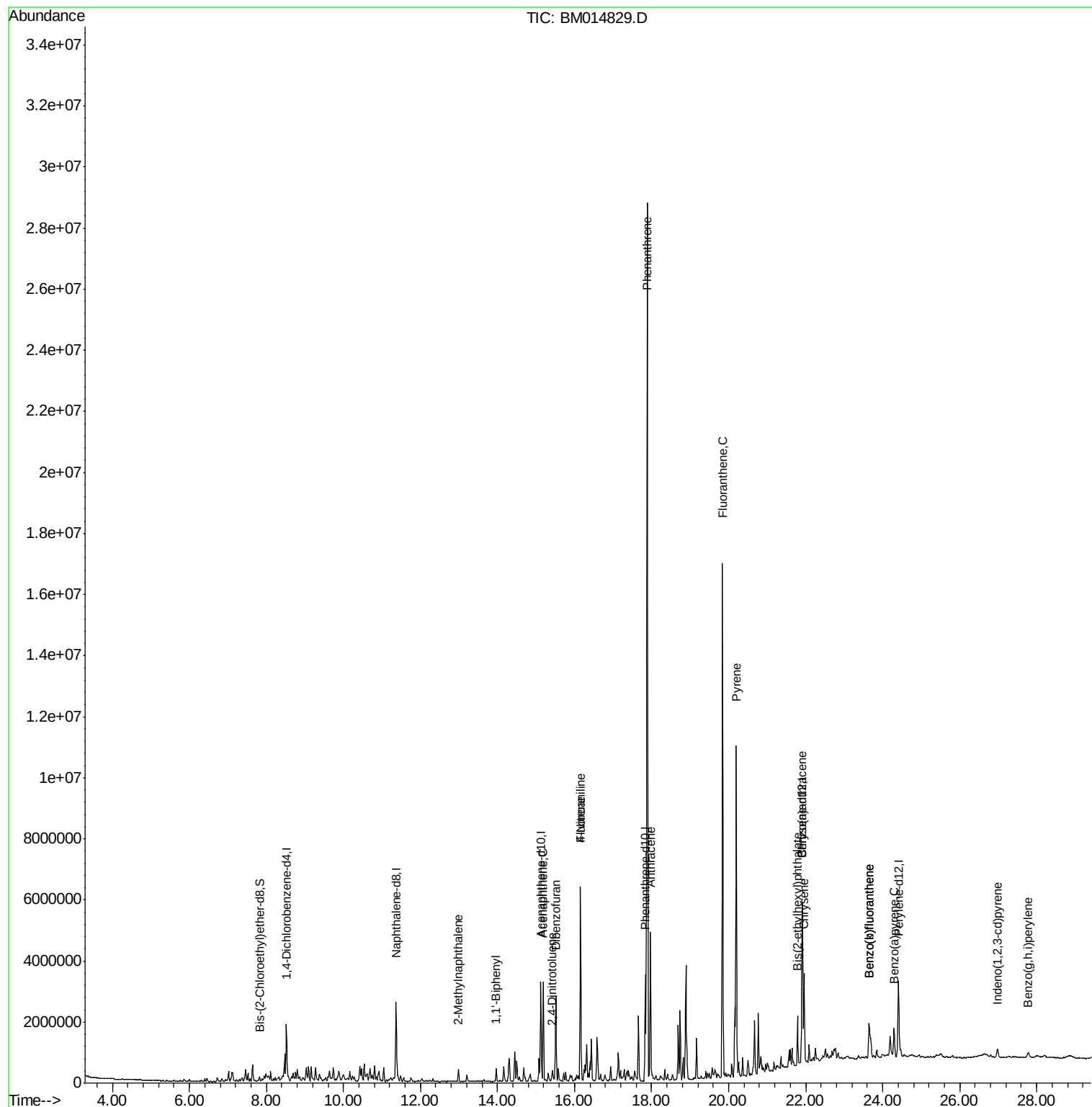
					Ovalue	
34) 2-Methylnaphthalene	12.99	142	187136	2.614	ng/ul	96
40) 1,1'-Biphenyl	13.97	154	210856	2.489	ng/ul#	98
49) Acenaphthene	15.19	153	1203945	17.220	ng/ul	98
53) Dibenzofuran	15.52	168	1663155	17.131	ng/ul	99
54) 2,4-Dinitrotoluene	15.43	165	30040	1.398	ng/ul#	71
58) Fluorene	16.16	166	2726902	34.785	ng/ul	100
60) 4-Nitroaniline	16.16	138	31221	1.865	ng/ul#	12
69) Phenanthrene	17.88	178	15421566	140.206	ng/ul	94
71) Anthracene	17.97	178	2870716	25.717	ng/ul	99
74) Fluoranthene	19.84	202	9447099	78.778	ng/ul#	80
77) Pyrene	20.20	202	6541750	58.284	ng/ul#	81
80) Benzo(a)anthracene	21.91	228	1998144	17.787	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	500544	7.447	ng/ul#	96
82) Chrysene	21.96	228	1503384	14.296	ng/ul	97
85) Benzo(b)fluoranthene	23.65	252	1202906	10.357	ng/ul#	96
86) Benzo(k)fluoranthene	23.65	252	1202906	10.770	ng/ul#	95
88) Benzo(a)pyrene	24.30	252	746819	6.778	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.98	276	258650	1.941	ng/ul#	91
91) Benzo(g,h,i)perylene	27.78	276	212442	1.937	ng/ul#	88

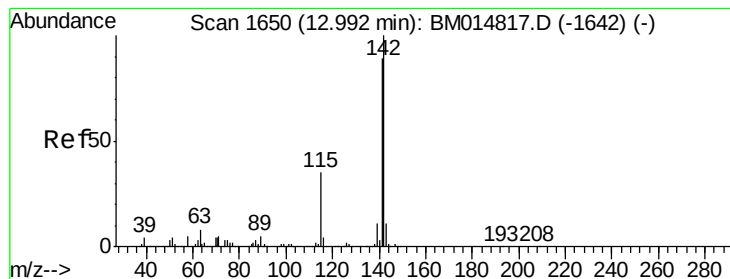
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
Data File : BM014829.D
Acq On : 25 Apr 2018 02:54
Operator : SJ/JU
Sample : J2431-15DL2 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Apr 25 04:29:58 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 02:07:23 2018
Response via : Initial Calibration





#34

2-Methylnaphthalene

Concen: 2.614 ng/ul

RT: 12.99 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

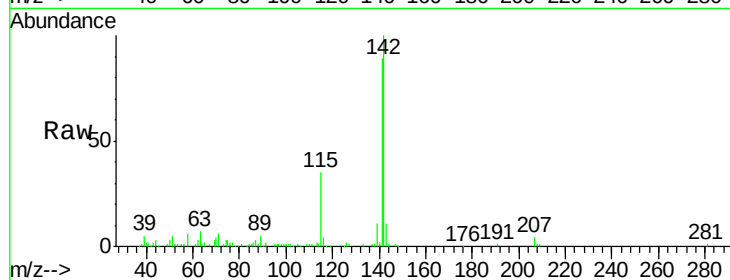
ClientSampleId :

Tot Ion:142 Resp: 187136

Ion Ratio Lower Upper

142 100

141 89.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

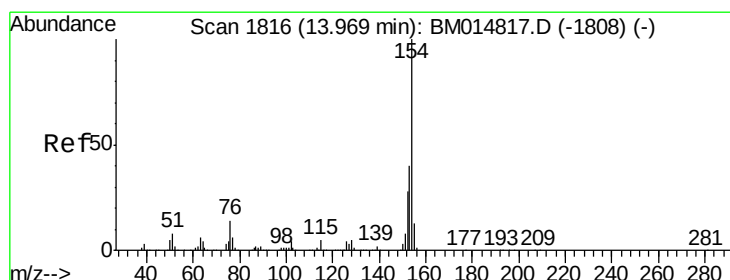
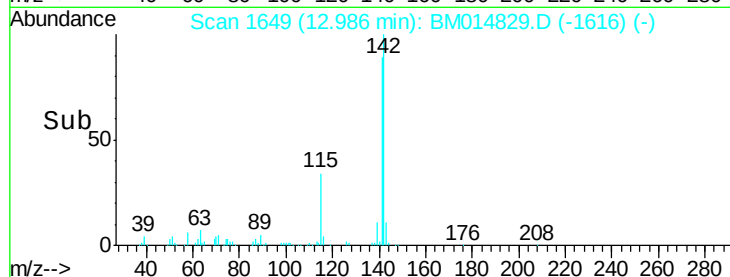
12.99

100000

50000

0

Time--> 12.90 12.95 13.00 13.05



#40

1,1'-Biphenyl

Concen: 2.489 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

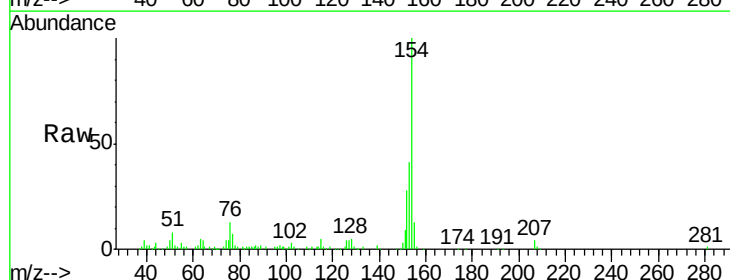
Tgt Ion:154 Resp: 210856

Ion Ratio Lower Upper

154 100

153 41.4 32.6 48.8

76 13.2 8.5 12.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

13.97

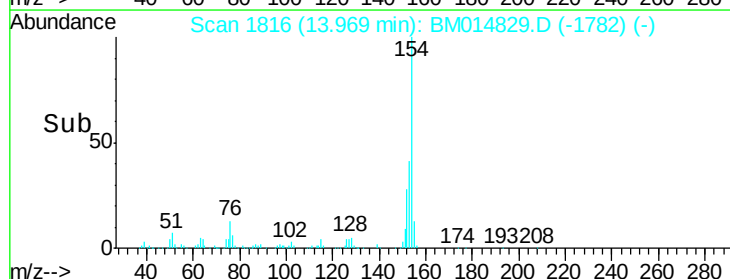
150000

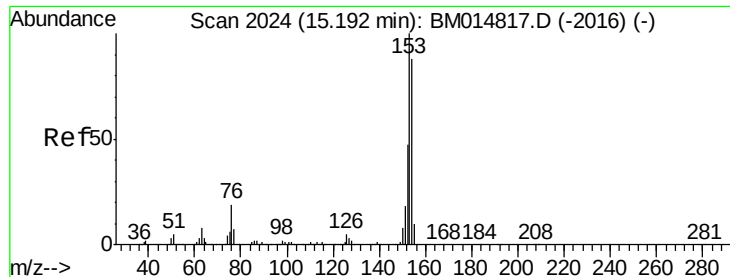
100000

50000

0

Time--> 13.90 13.95 14.00





#49

Acenaphthene

Concen: 17.220 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

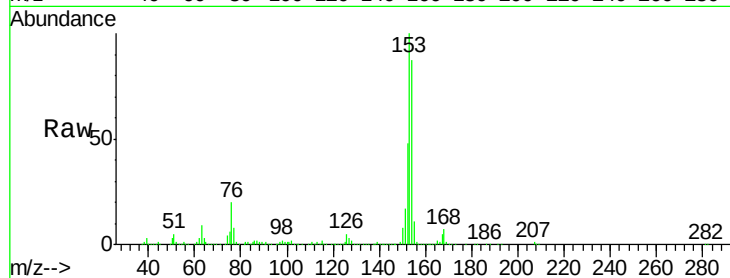
Tot Ion:153 Resp: 1203945

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

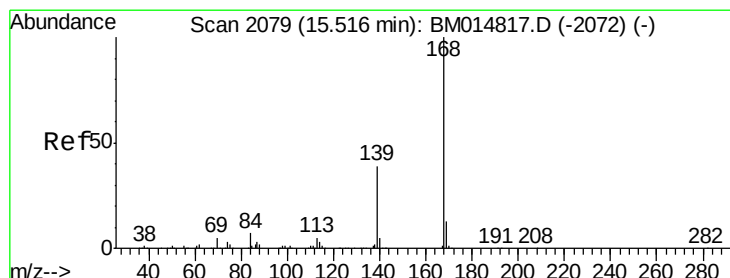
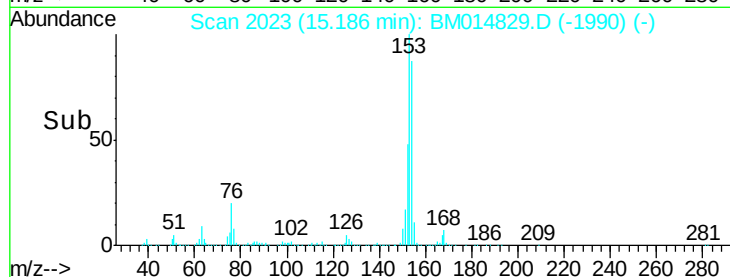
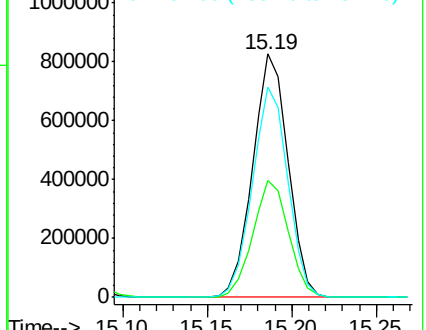
154 86.5 70.4 105.6



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



#53

Dibenzofuran

Concen: 17.131 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014829.D

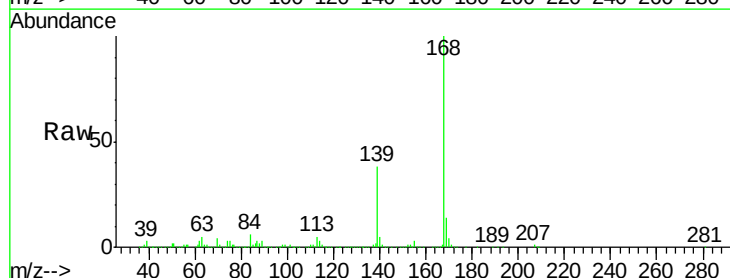
Acq: 25 Apr 2018 02:54

Tgt Ion:168 Resp: 1663155

Ion Ratio Lower Upper

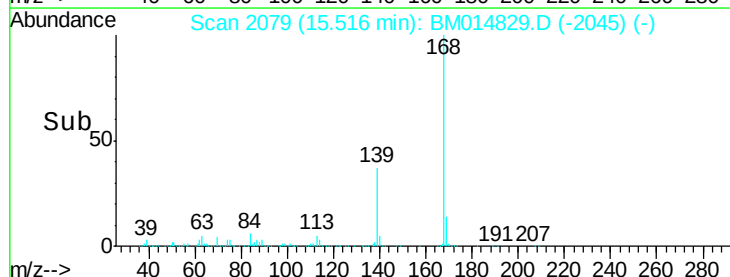
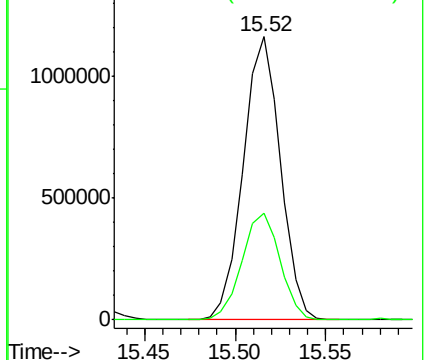
168 100

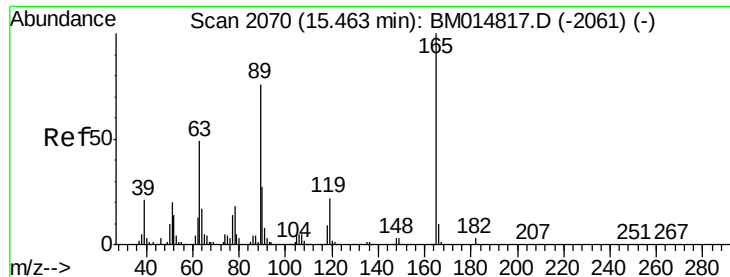
139 37.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.398 ng/ul

RT: 15.43 min Scan# 2064

Delta R.T. -0.04 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

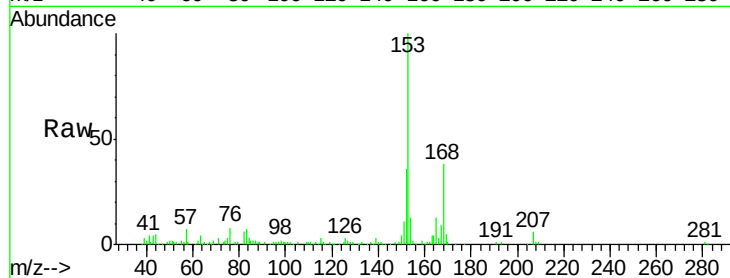
Tot Ion:165 Resp: 30040

Ion Ratio Lower Upper

165 100

63 34.8 45.8 68.8#

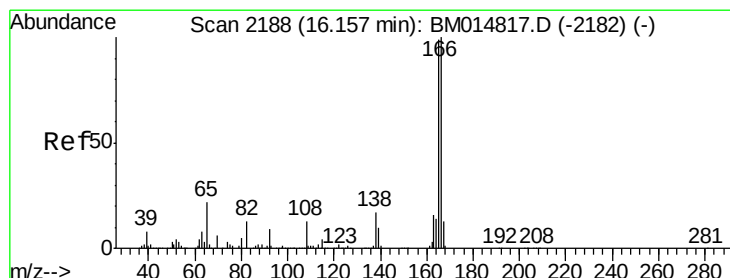
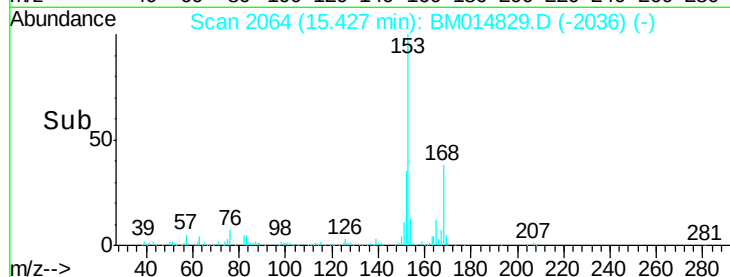
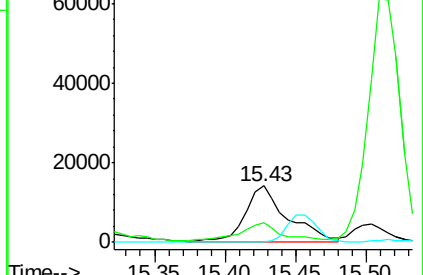
182 0.0 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM014817.D (-2061) (-)

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 34.785 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

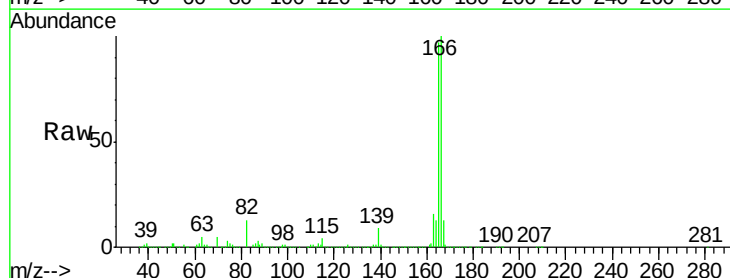
Tgt Ion:166 Resp: 2726902

Ion Ratio Lower Upper

166 100

165 96.9 77.9 116.9

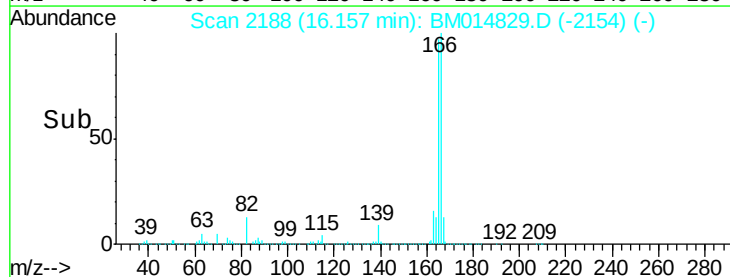
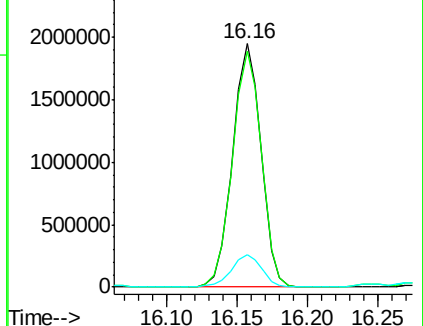
167 13.3 10.6 16.0

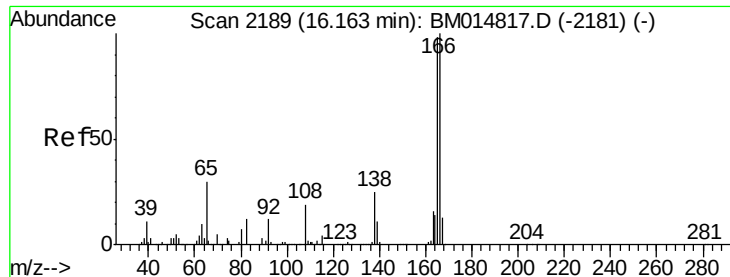


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

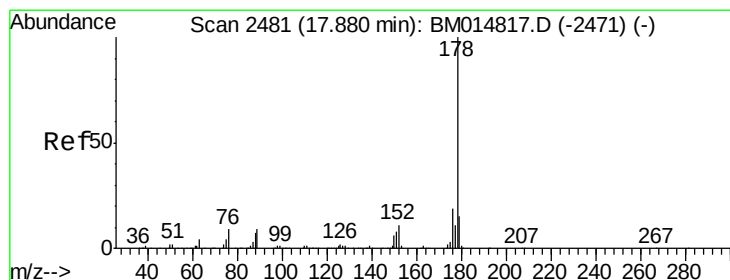
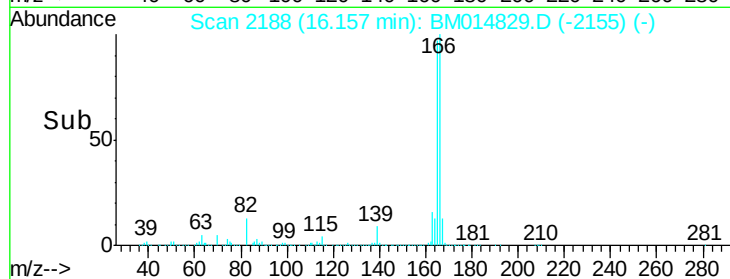
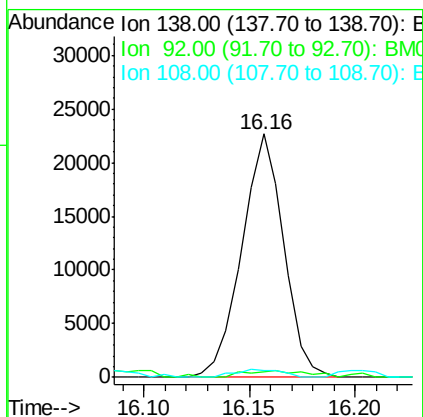
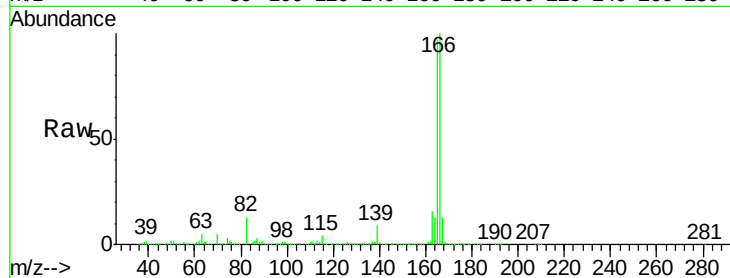




#60
4-Nitroaniline
Concen: 1.865 ng/ul
RT: 16.16 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BM014829.D
Acq: 25 Apr 2018 02:54

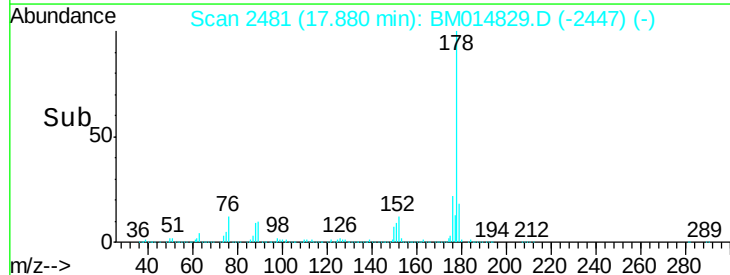
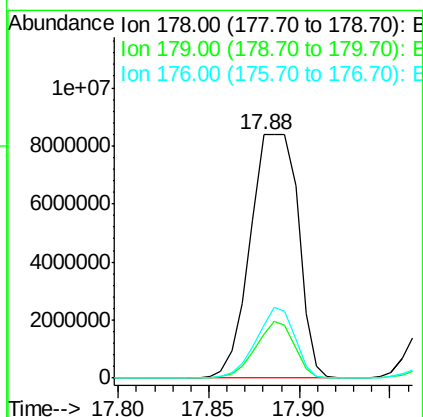
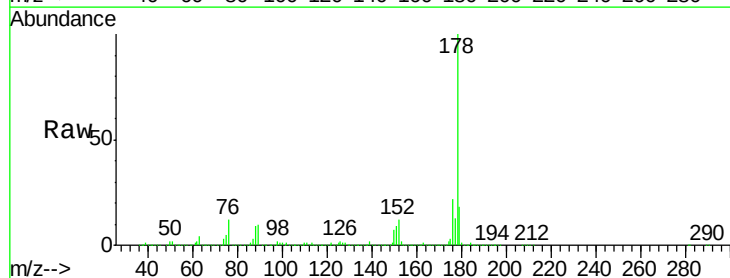
Instrument :
BNA_M
ClientSampleId :

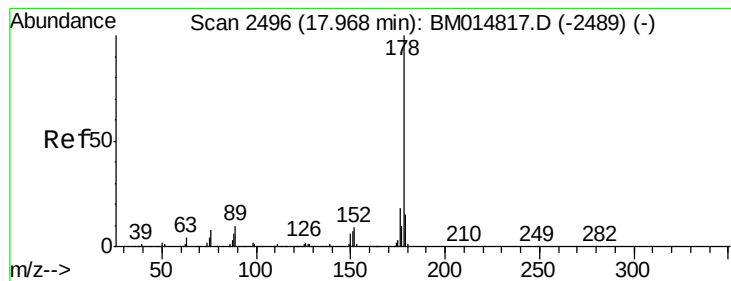
Tot Ion:138 Resp: 31221
Ion Ratio Lower Upper
138 100
92 2.3 40.0 60.0#
108 2.7 80.0 120.0#



#69
Phenanthrene
Concen: 140.206 ng/ul
RT: 17.88 min Scan# 2481
Delta R.T. -0.00 min
Lab File: BM014829.D
Acq: 25 Apr 2018 02:54

Tgt Ion:178 Resp:15421566
Ion Ratio Lower Upper
178 100
179 18.0 12.6 19.0
176 21.8 14.9 22.3





#71

Anthracene

Concen: 25.717 ng/ul

RT: 17.97 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampled :

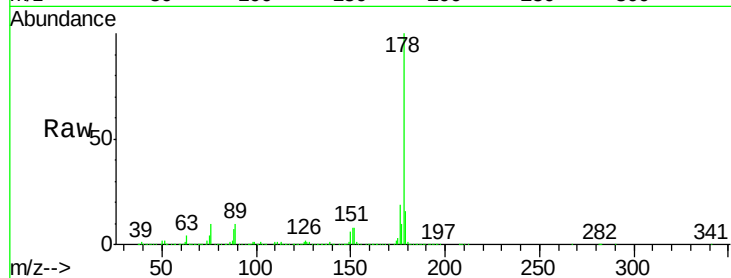
Tot Ion:178 Resp: 2870716

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.6	14.6	21.8

178 100

179 15.5 11.7 17.5

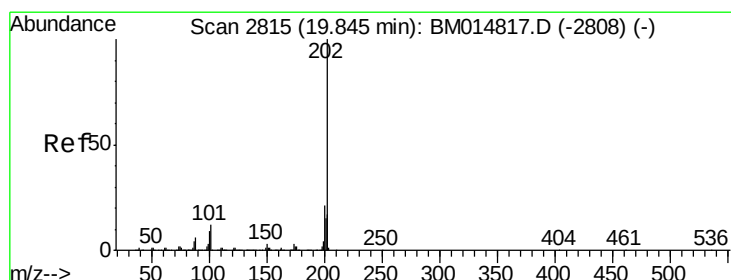
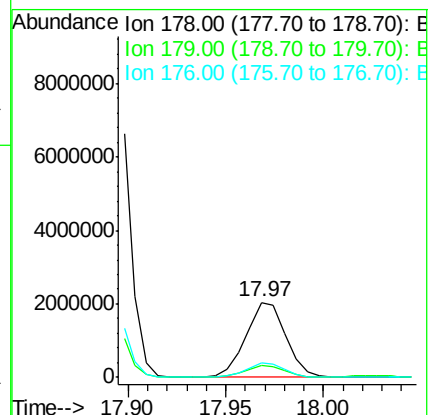
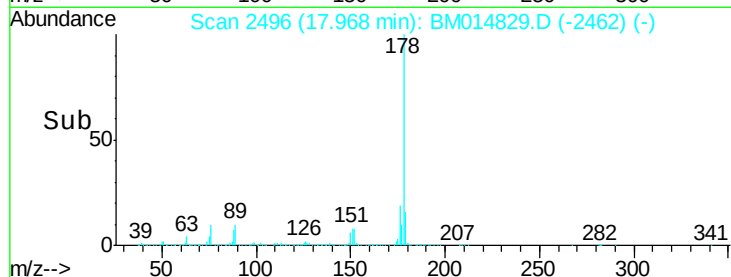
176 18.6 14.6 21.8



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: 78.778 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

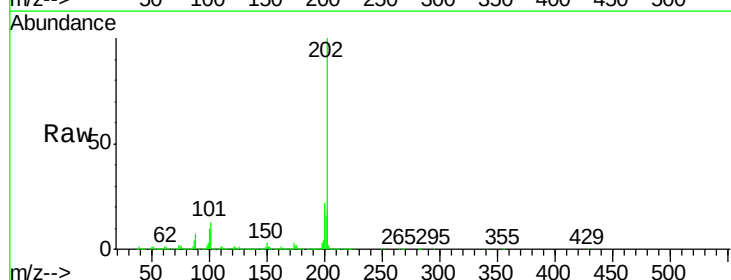
Tgt Ion:202 Resp: 9447099

Ion	Ratio	Lower	Upper
202	100		
101	13.3	4.6	7.0#
100	10.0	3.4	5.2#

202 100

101 13.3 4.6 7.0#

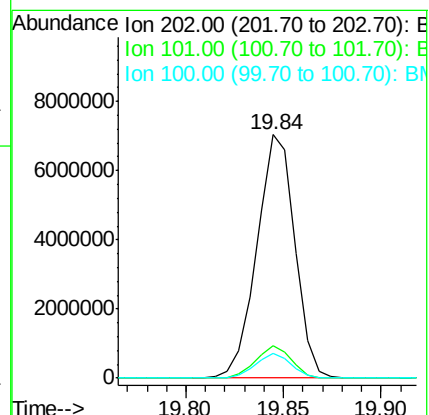
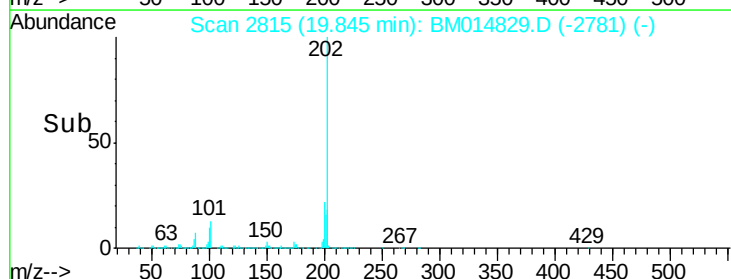
100 10.0 3.4 5.2#

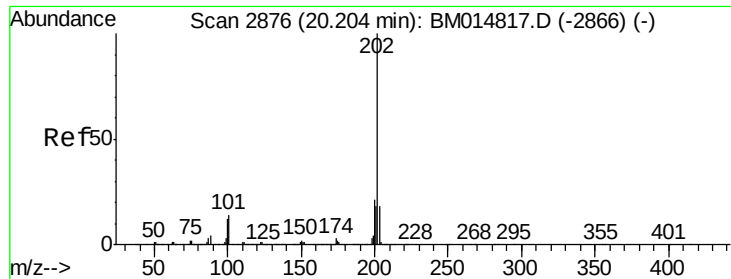


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 58.284 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

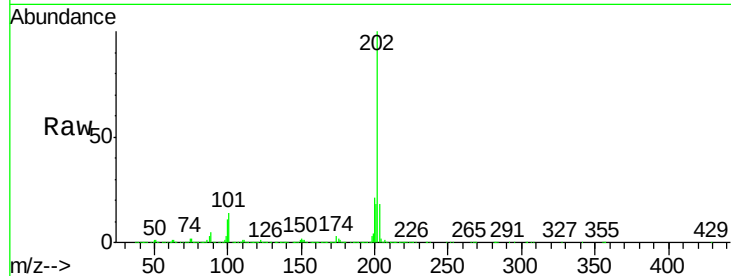
Tot Ion:202 Resp: 6541750

Ion Ratio Lower Upper

202 100

101 14.2 5.1 7.7#

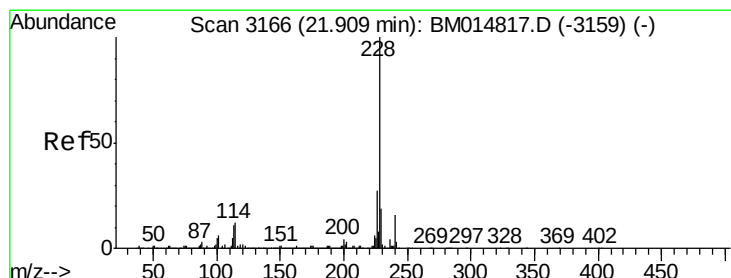
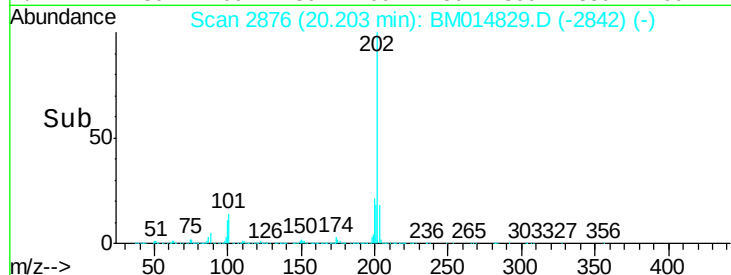
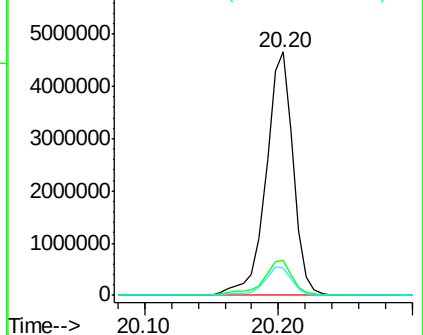
100 11.4 4.9 7.3#



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: 17.787 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

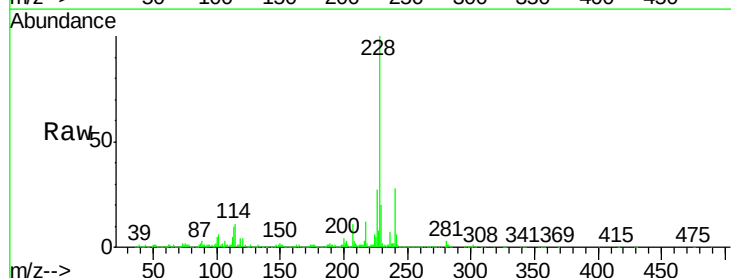
Tgt Ion:228 Resp: 1998144

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

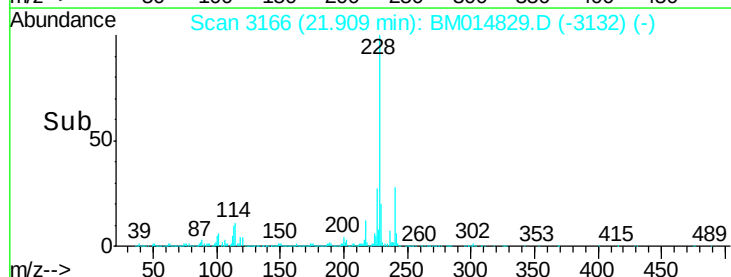
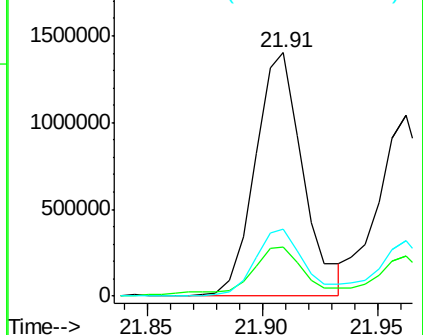
226 27.4 21.4 32.0

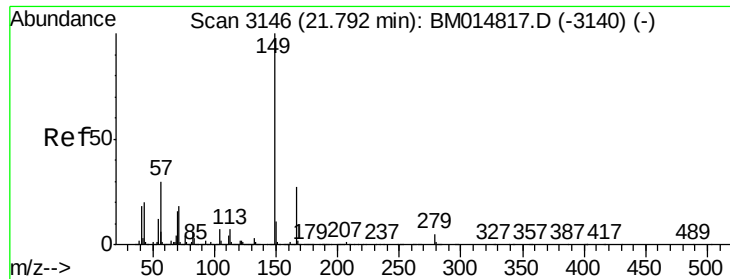


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

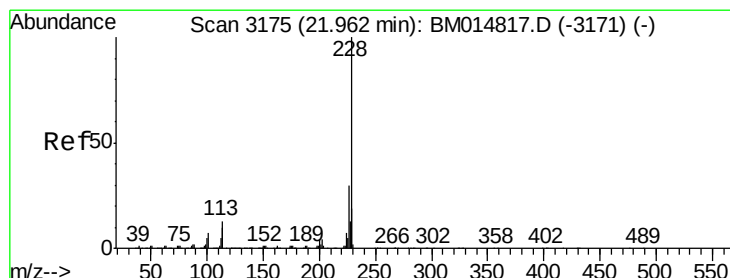
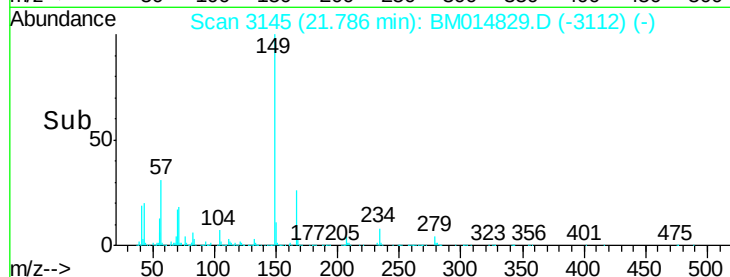
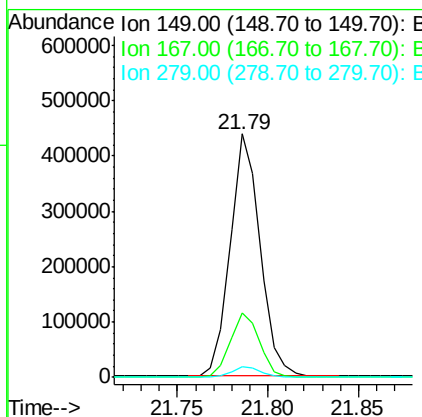
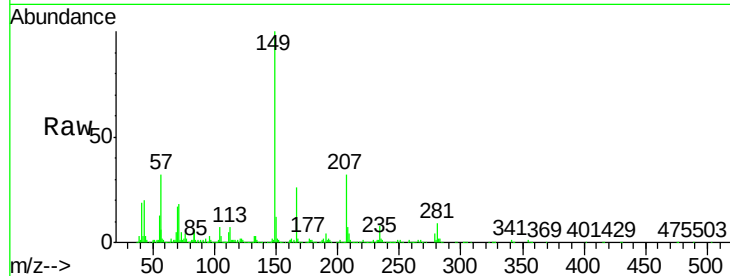




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 7.447 ng/ul
 RT: 21.79 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

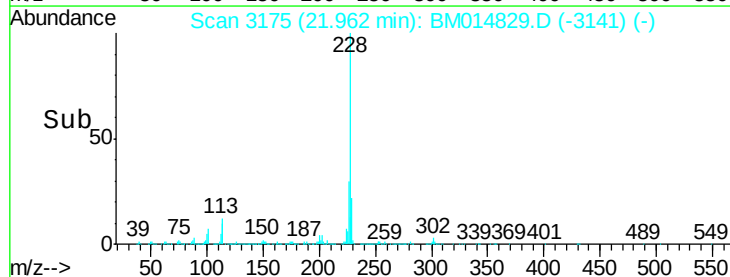
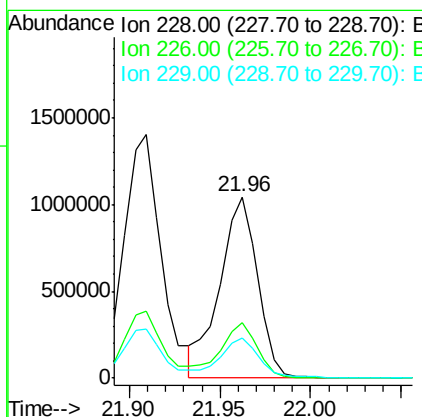
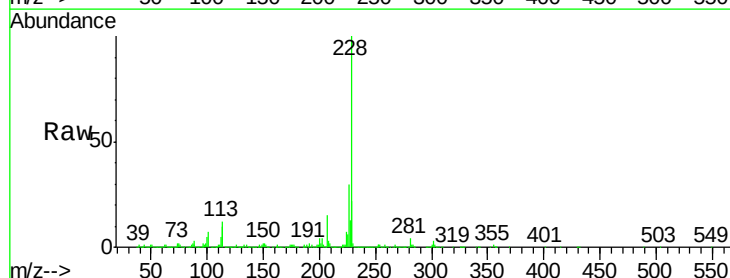
Instrument :
 BNA_M
 ClientSampled :

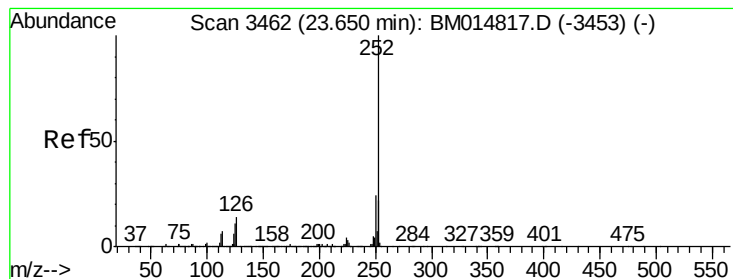
Tot Ion:149 Resp: 500544
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.8 34.2
 279 4.2 4.9 7.3#



#82
 Chrysene
 Concen: 14.296 ng/ul
 RT: 21.96 min Scan# 3175
 Delta R.T. -0.00 min
 Lab File: BM014829.D
 Acq: 25 Apr 2018 02:54

Tgt Ion:228 Resp: 1503384
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.4 35.2
 229 21.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 10.357 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

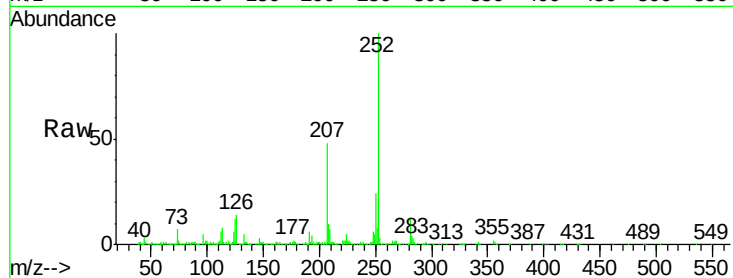
Tot Ion:252 Resp: 1202906

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

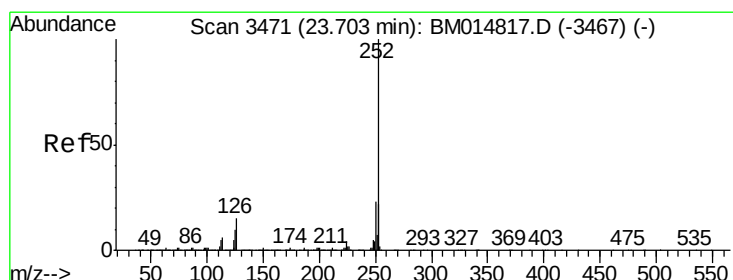
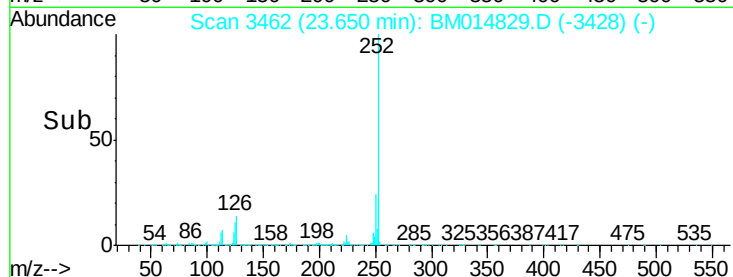
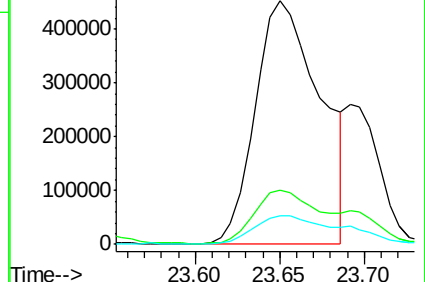
125 11.6 3.6 5.4#



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: 10.770 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.05 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

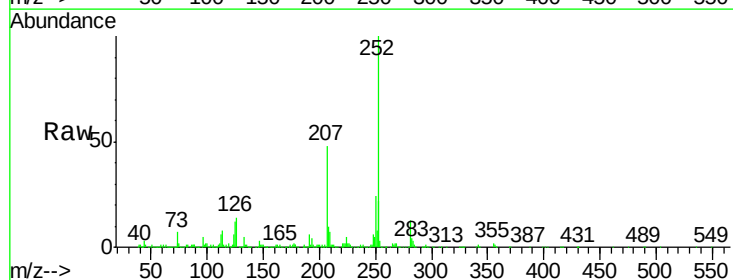
Tgt Ion:252 Resp: 1202906

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

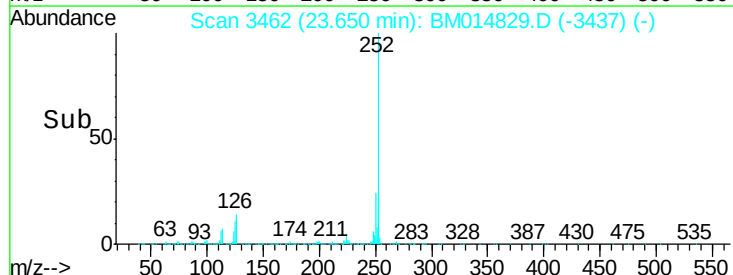
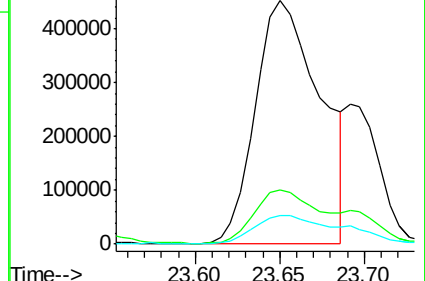
125 11.6 3.4 5.2#

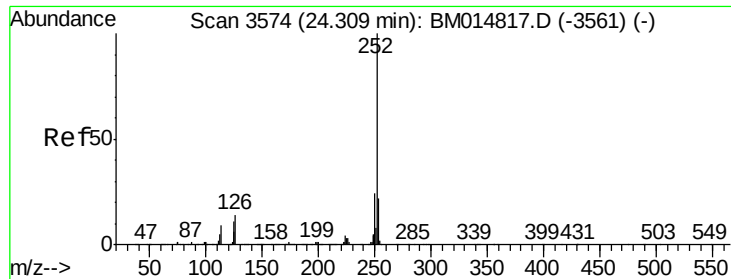


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 6.778 ng/ul

RT: 24.30 min Scan# 3572

Delta R.T. -0.01 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

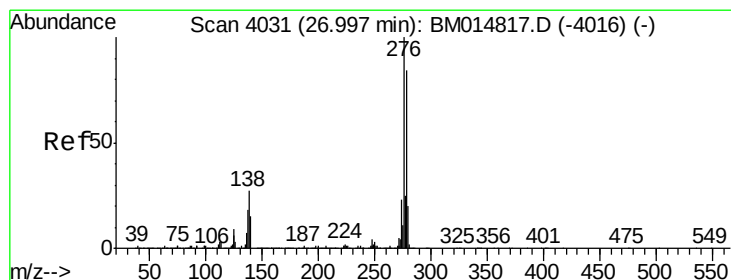
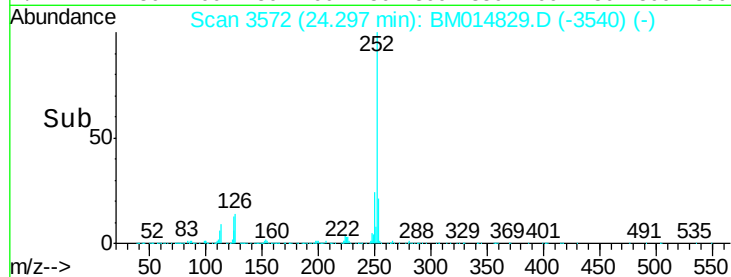
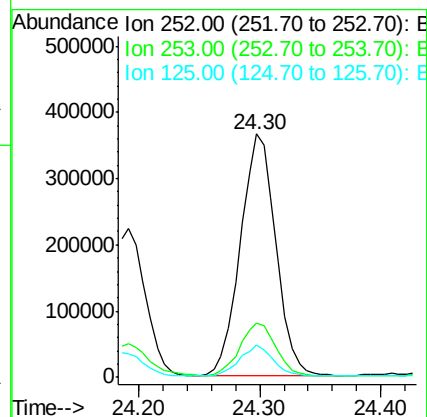
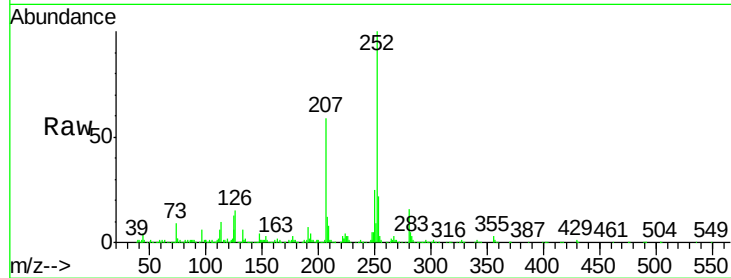
Tot Ion:252 Resp: 746819

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 13.3 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.941 ng/ul

RT: 26.98 min Scan# 4028

Delta R.T. -0.02 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

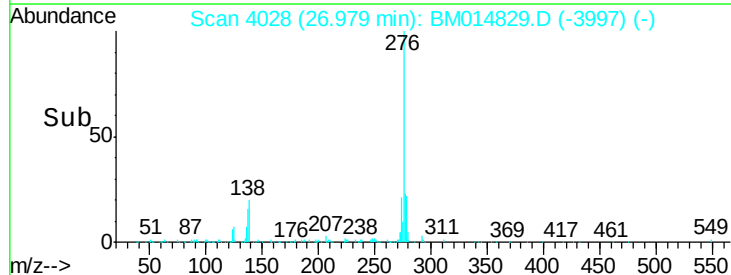
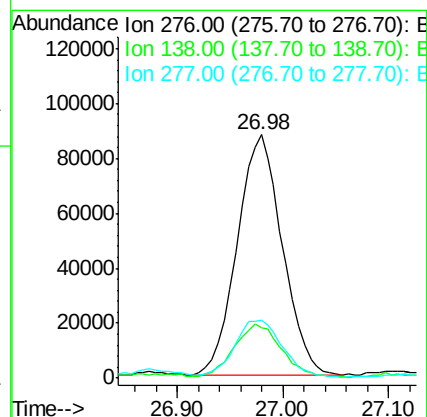
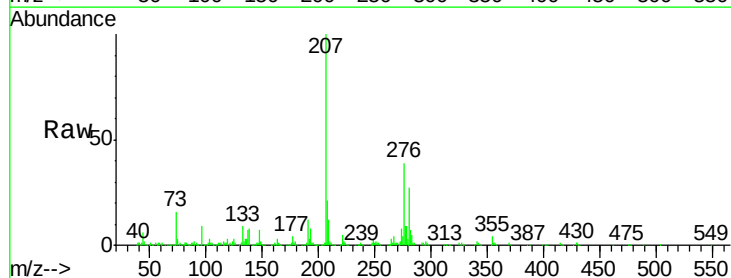
Tgt Ion:276 Resp: 258650

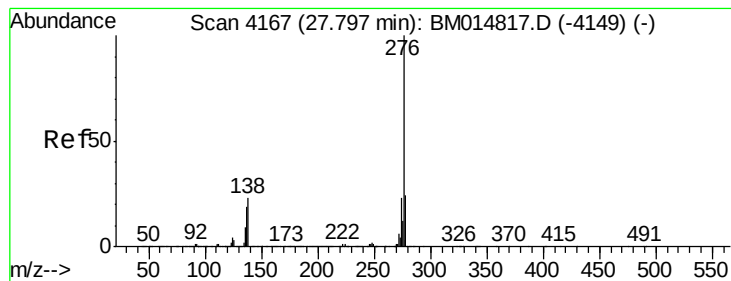
Ion Ratio Lower Upper

276 100

138 20.9 9.3 13.9#

277 23.8 19.9 29.9





#91

Benzo(a,h,i)perylene

Concen: 1.937 ng/ul

RT: 27.78 min Scan# 4164

Delta R.T. -0.02 min

Lab File: BM014829.D

Acq: 25 Apr 2018 02:54

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 212442

Ion Ratio Lower Upper

276 100

138 23.5 8.5 12.7#

277 24.1 18.6 28.0

