

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013981.D
 Acq On : 30 Jan 2018 05:05
 Operator : SJ/JU
 Sample : J1233-14DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B18DL

Quant Time: Jan 30 07:51:37 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	111667	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	427681	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	270250	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	653274	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	784168	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	768711	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4418	1.56	ng/uL	0.00
5) Phenol-d5	6.76	99	60177	7.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	47418	9.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	62286	8.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	54670	8.30	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	33105	9.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	35588	10.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	56244	8.30	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	64494	10.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	239638	10.76	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	293160	10.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	666	0.18	ng/ul	-0.02
57) Fluorene-d10	15.22	176	211886	10.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	27455	6.98	ng/ul	0.00
70) Anthracene-d10	17.07	188	340621	10.70	ng/ul	0.00
76) Pyrene-d10	19.38	212	417397	11.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	410956	11.63	ng/ul	0.00

Target Compounds

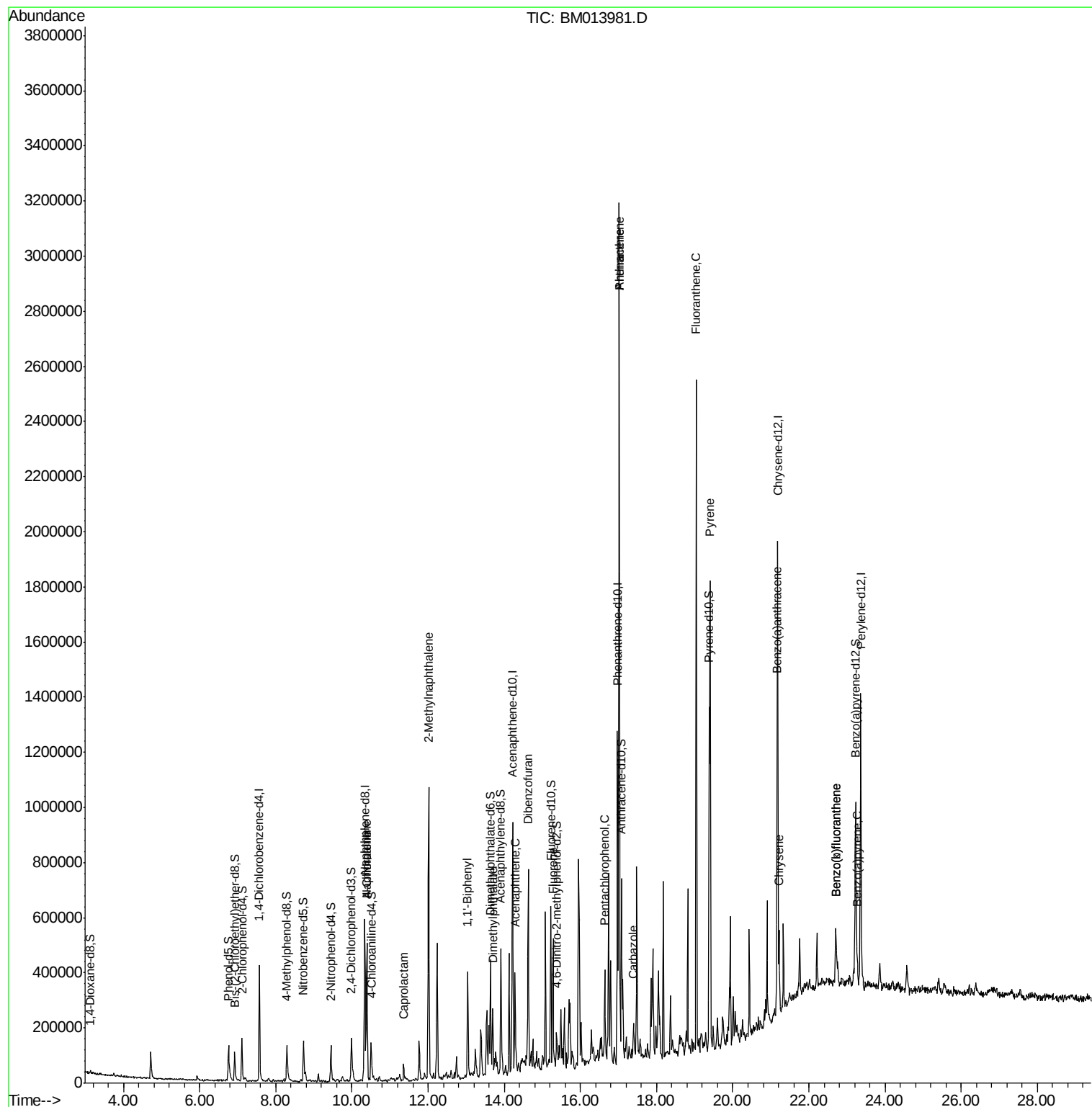
					Ovalue	
28) Naphthalene	10.39	128	369946	17.387	ng/ul	98
30) 4-Chloroaniline	10.39	127	48951	8.399	ng/ul#	28
32) Caprolactam	11.36	113	1866	1.027	ng/ul	81
34) 2-Methylnaphthalene	12.02	142	473305	29.836	ng/ul	98
40) 1,1'-Biphenyl	13.04	154	78525	3.491	ng/ul	97
44) Dimethylphthalate	13.69	163	70561	3.222	ng/ul	98
49) Acenaphthene	14.29	153	124303	6.906	ng/ul	91
53) Dibenzofuran	14.63	168	384361	14.195	ng/ul	97
58) Fluorene	15.28	166	192491	8.679	ng/ul	98
68) Pentachlorophenol	16.63	266	33873	7.675	ng/ul	90
69) Phenanthrene	17.02	178	1774467	48.866	ng/ul	98
71) Anthracene	17.02	178	1774467	47.376	ng/ul	99
72) Carbazole	17.40	167	31677	1.025	ng/ul	97
74) Fluoranthene	19.04	202	1370153	31.610	ng/ul#	95
77) Pyrene	19.41	202	875591	18.367	ng/ul#	96
80) Benzo(a)anthracene	21.16	228	212905	4.493	ng/ul	99
82) Chrysene	21.22	228	161463	3.714	ng/ul	94
85) Benzo(b)fluoranthene	22.72	252	112265	2.378	ng/ul#	95
86) Benzo(k)fluoranthene	22.72	252	112265	2.460	ng/ul#	93
88) Benzo(a)pyrene	23.27	252	59735	1.339	ng/ul#	99

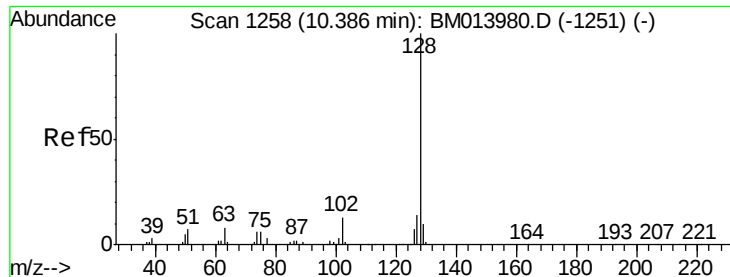
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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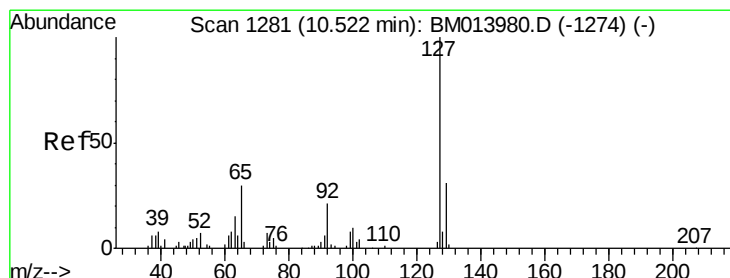
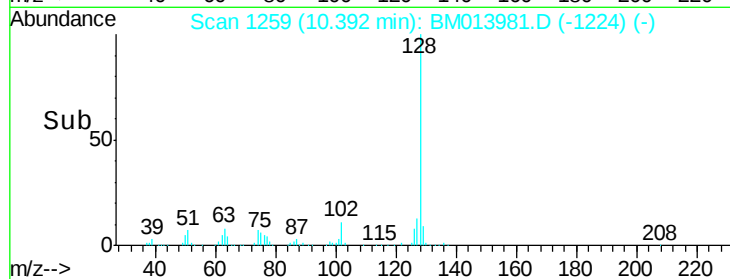
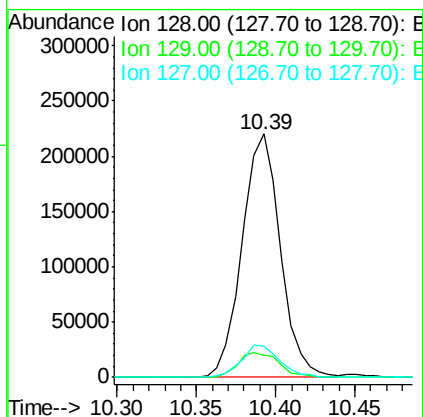
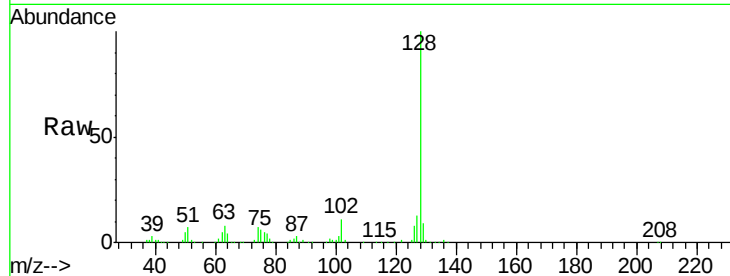




#28
Naphthalene
Concen: 17.387 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BM013981.D
Acq: 30 Jan 2018 05:05

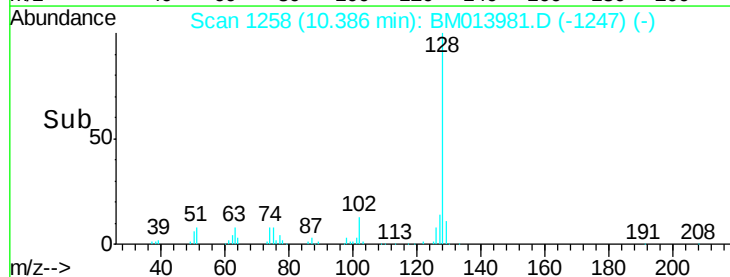
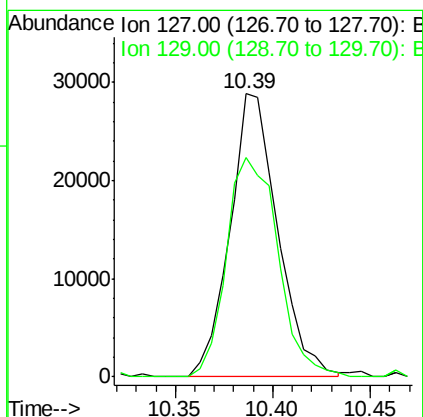
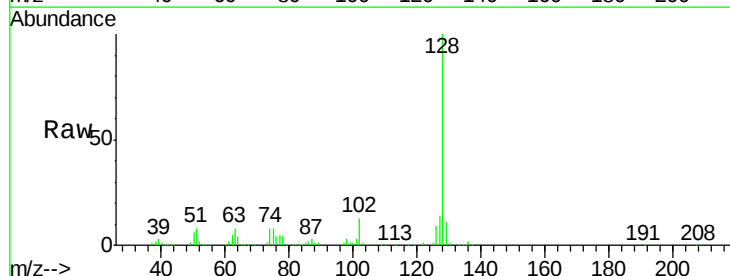
Instrument :
BNA_M
ClientSampleId :
F6B18DL

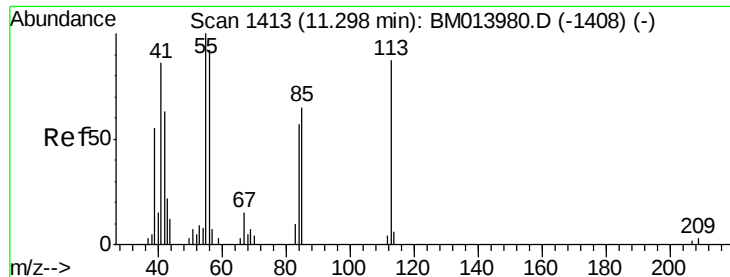
Tot Ion:128 Resp: 369946
Ion Ratio Lower Upper
128 100
129 9.3 8.8 13.2
127 12.9 10.6 16.0



#30
4-Chloroaniline
Concen: 8.399 ng/ul
RT: 10.39 min Scan# 1258
Delta R.T. -0.14 min
Lab File: BM013981.D
Acq: 30 Jan 2018 05:05

Tgt Ion:127 Resp: 48951
Ion Ratio Lower Upper
127 100
129 77.6 28.4 42.6#





#32

Caprolactam

Concen: 1.027 ng/ul

RT: 11.36 min Scan# 1424

Delta R.T. 0.06 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Instrument :

BNA_M

ClientSampleId :

F6B18DL

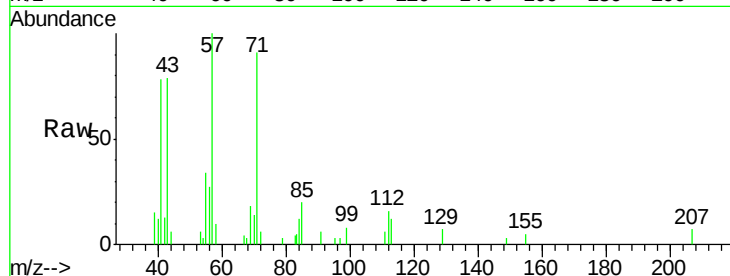
Tot Ion:113 Resp: 1866

Ion Ratio Lower Upper

113 100

55 288.1 208.0 312.0

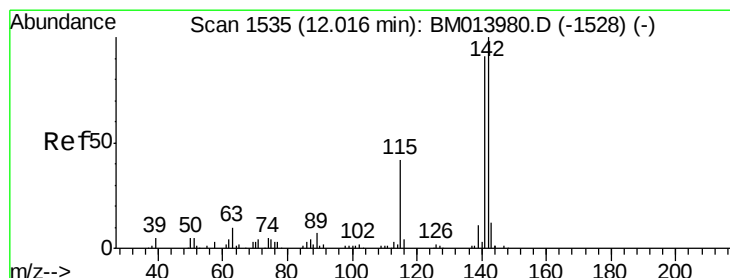
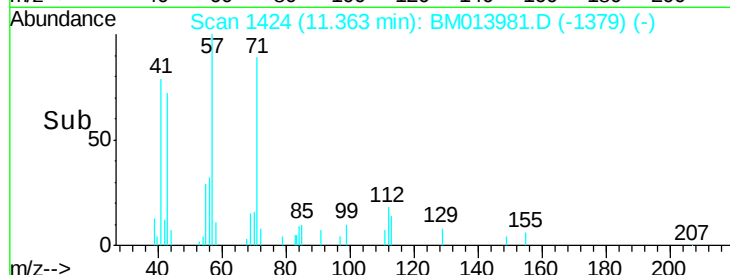
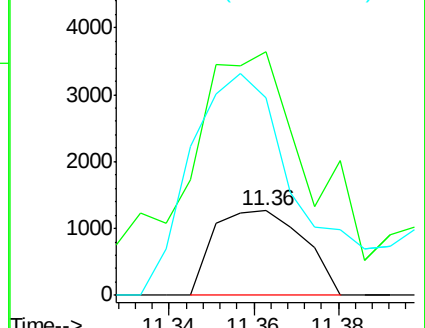
56 233.7 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 29.836 ng/ul

RT: 12.02 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM013981.D

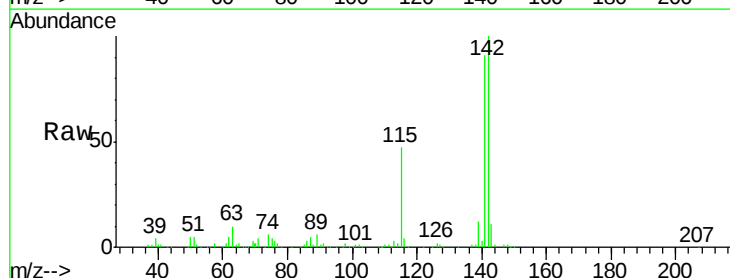
Acq: 30 Jan 2018 05:05

Tgt Ion:142 Resp: 473305

Ion Ratio Lower Upper

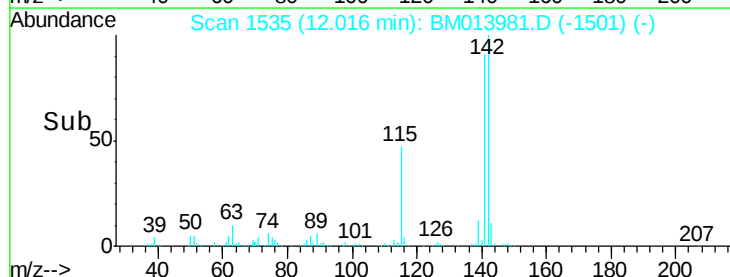
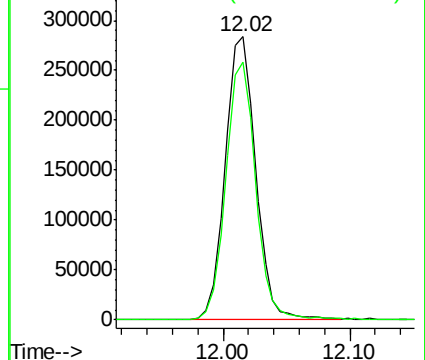
142 100

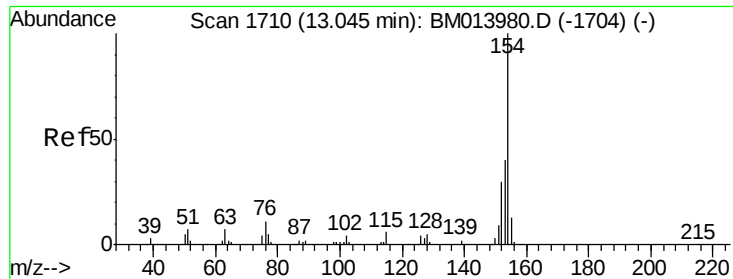
141 91.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

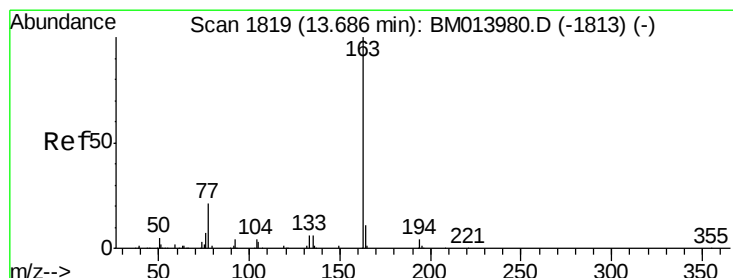
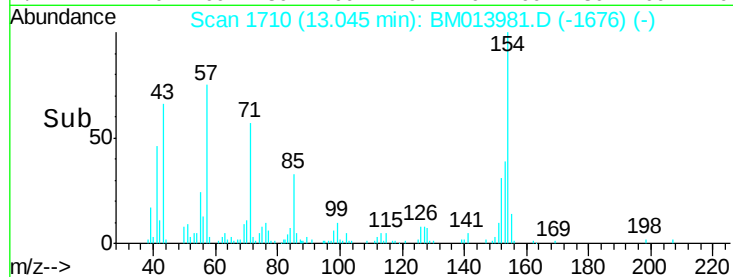
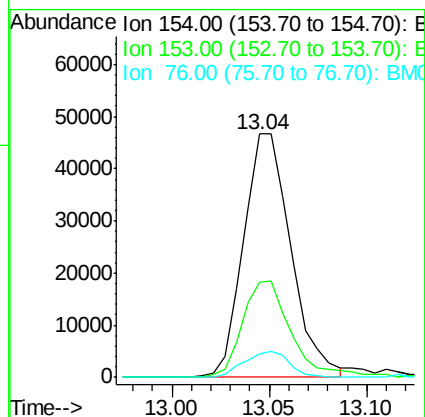
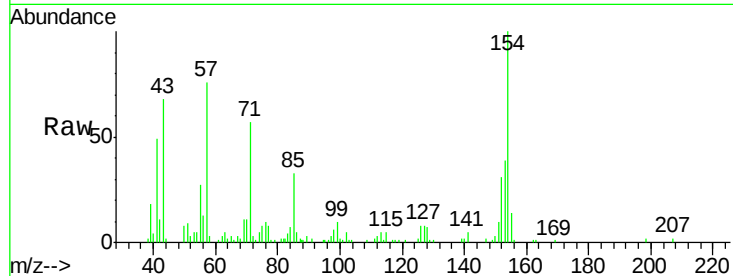




#40
 1,1'-Biphenyl
 Concen: 3.491 ng/ul
 RT: 13.04 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BM013981.D
 Acq: 30 Jan 2018 05:05

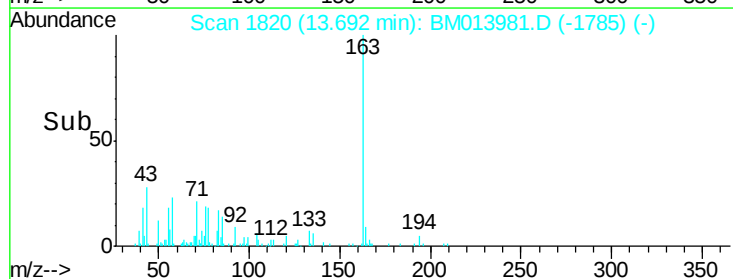
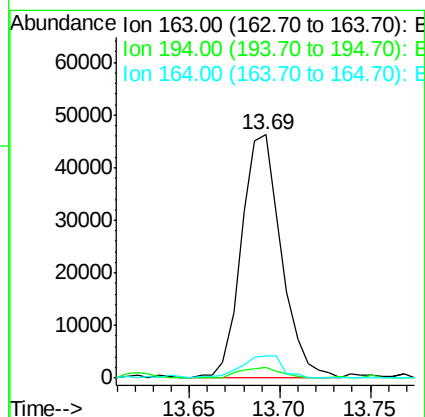
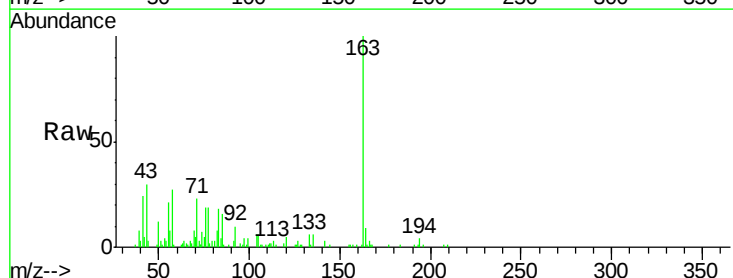
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 F6B18DL

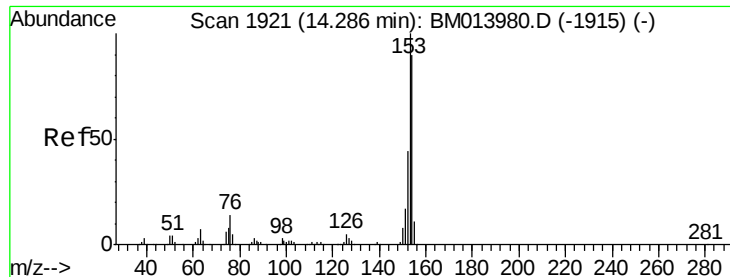
Tot Ion:154	Resp:	78525
Ion Ratio	Lower	Upper
154	100	
153	39.0	32.6 48.8
76	9.9	8.5 12.7



#44
 Dimethylphthalate
 Concen: 3.222 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BM013981.D
 Acq: 30 Jan 2018 05:05

Tgt Ion:163	Resp:	70561
Ion Ratio	Lower	Upper
163	100	
194	4.5	3.5 5.3
164	9.3	8.2 12.4





#49

Acenaphthene

Concen: 6.906 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Instrument :

BNA_M

ClientSampleId :

F6B18DL

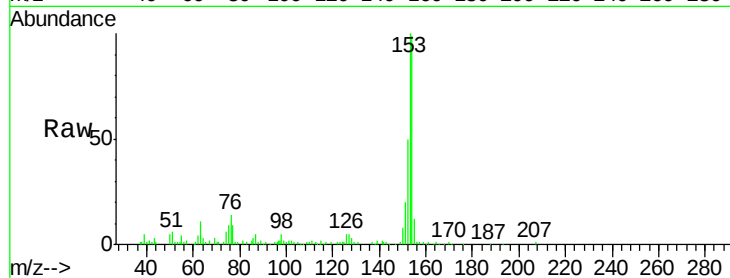
Tot Ion:153 Resp: 124303

Ion Ratio Lower Upper

153 100

152 50.1 37.6 56.4

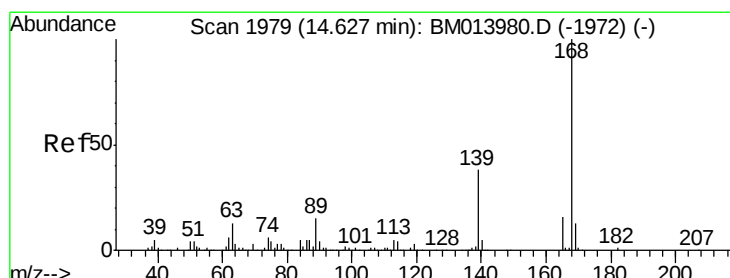
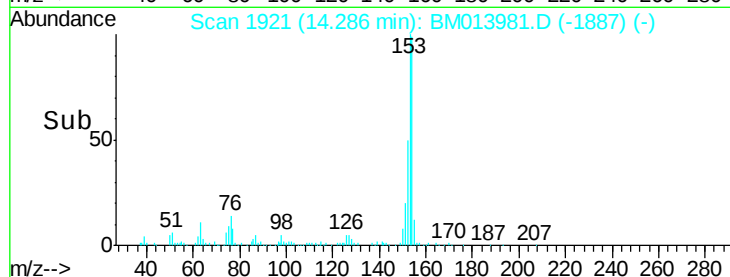
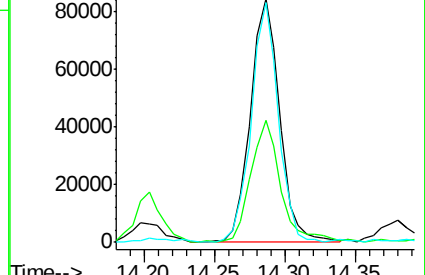
154 98.7 70.4 105.6



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



#53

Dibenzofuran

Concen: 14.195 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013981.D

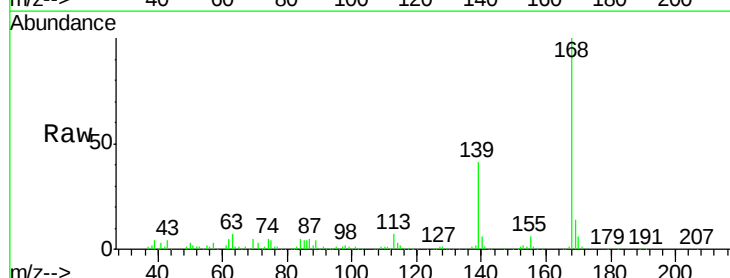
Acq: 30 Jan 2018 05:05

Tgt Ion:168 Resp: 384361

Ion Ratio Lower Upper

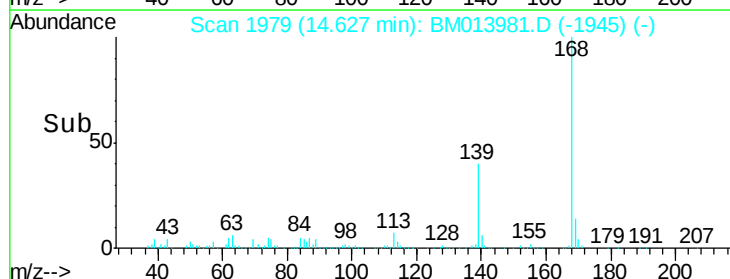
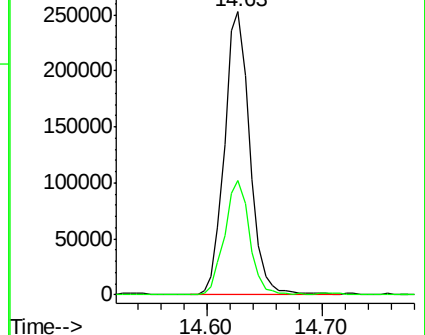
168 100

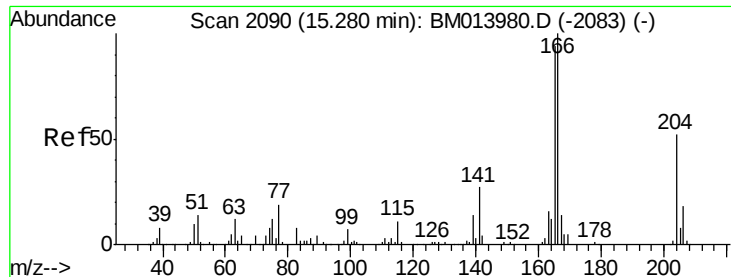
139 40.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 8.679 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

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ClientSampleId :

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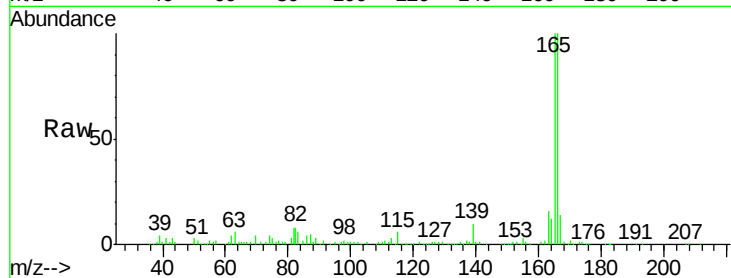
Tot Ion:166 Resp: 192491

Ion Ratio Lower Upper

166 100

165 99.5 77.9 116.9

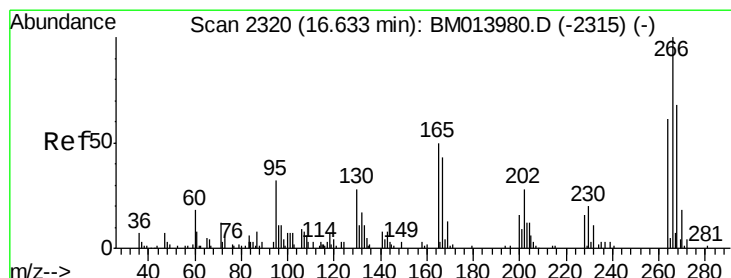
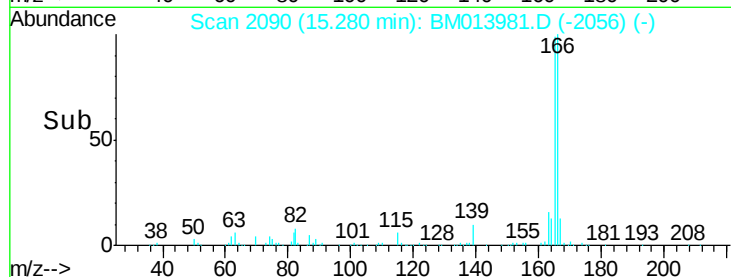
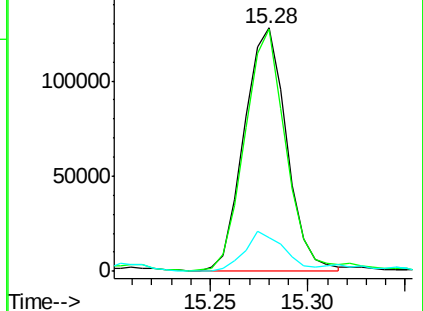
167 14.0 10.6 16.0



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



#68

Pentachlorophenol

Concen: 7.675 ng/ul

RT: 16.63 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

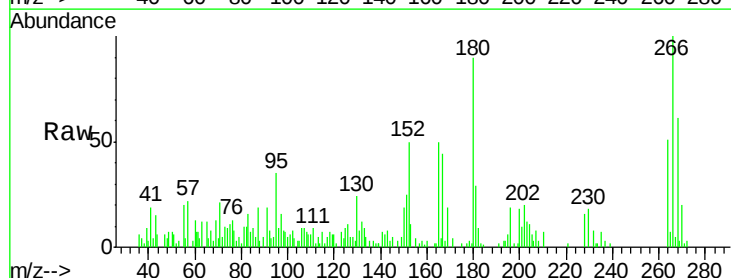
Tgt Ion:266 Resp: 33873

Ion Ratio Lower Upper

266 100

264 51.0 49.3 73.9

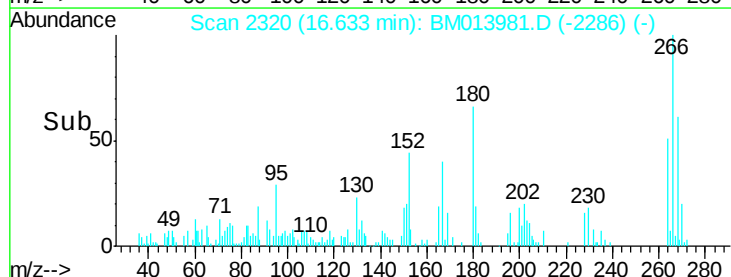
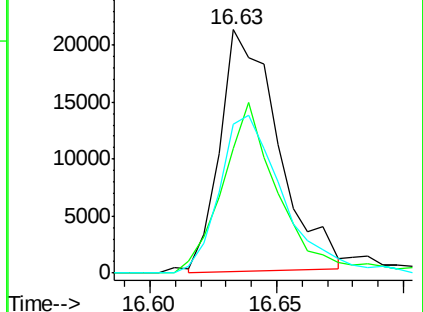
268 61.2 52.6 78.8

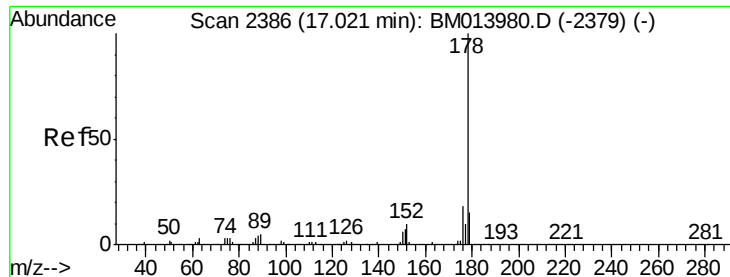


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 48.866 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Instrument :

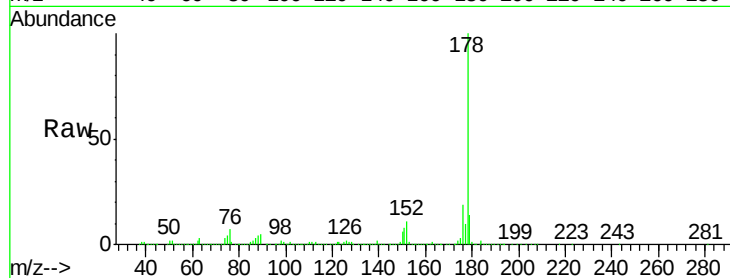
BNA_M

ClientSampleId :

F6B18DL

Tot Ion:178 Resp: 1774467

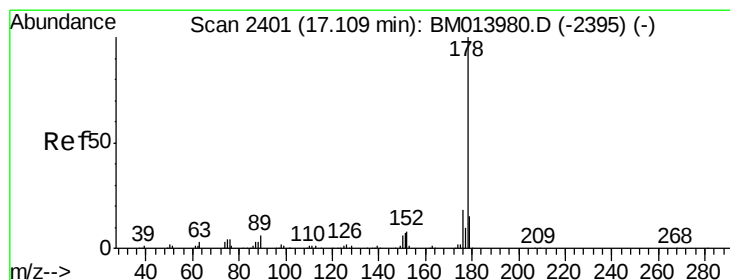
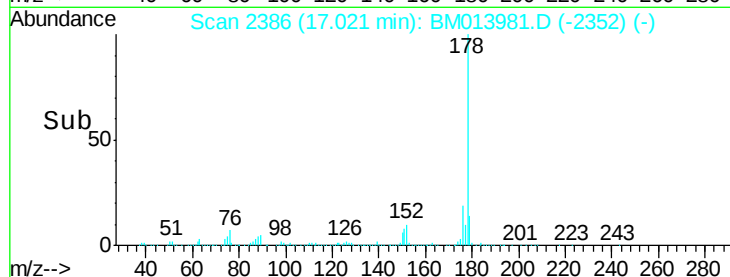
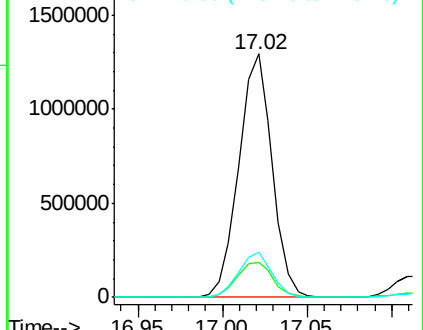
Ion	Ratio	Lower	Upper
178	100		
179	14.3	12.6	19.0
176	18.8	14.9	22.3



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: 47.376 ng/ul

RT: 17.02 min Scan# 2386

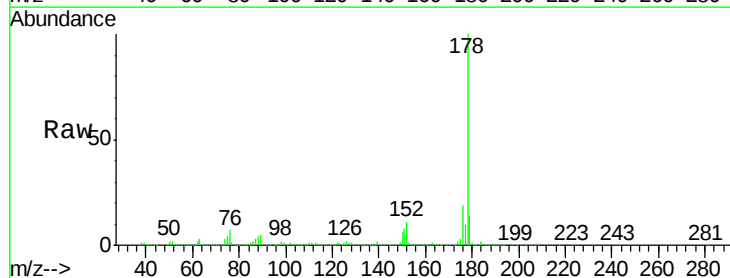
Delta R.T. -0.09 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Tgt Ion:178 Resp: 1774467

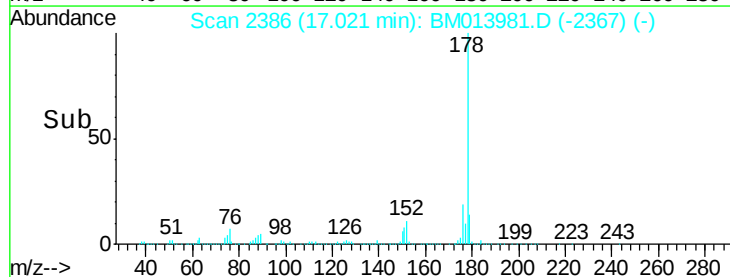
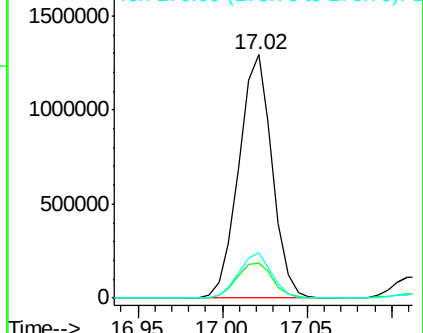
Ion	Ratio	Lower	Upper
178	100		
179	14.3	11.7	17.5
176	18.8	14.6	21.8

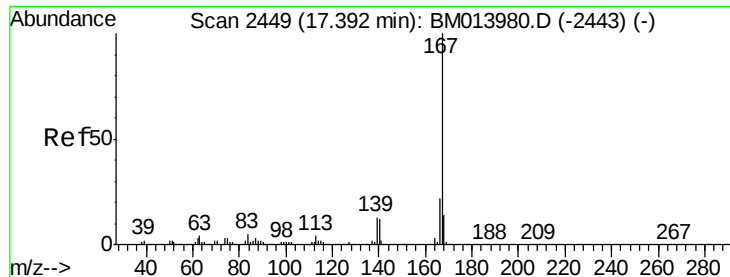


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.025 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. 0.01 min

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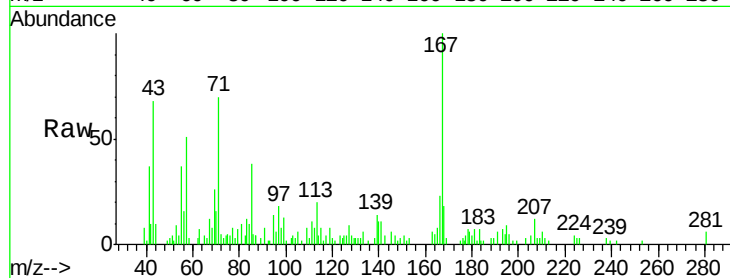
Tot Ion:167 Resp: 31677

Ion Ratio Lower Upper

167 100

166 22.9 17.1 25.7

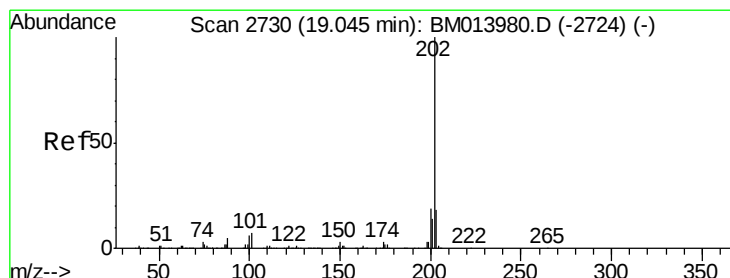
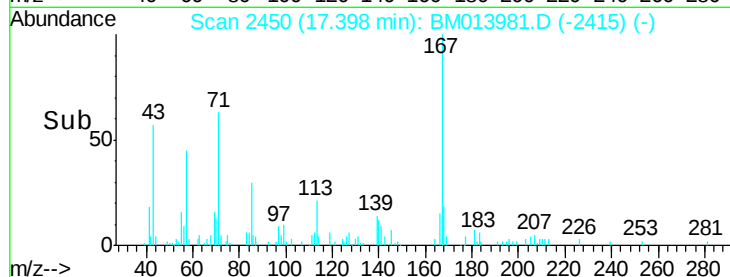
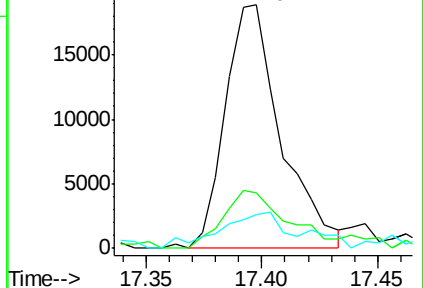
139 13.6 10.0 15.0



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: 31.610 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

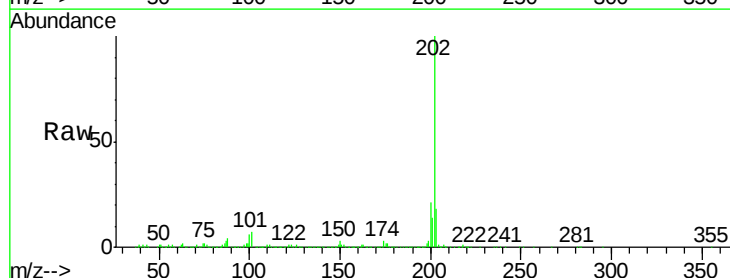
Tgt Ion:202 Resp: 1370153

Ion Ratio Lower Upper

202 100

101 7.5 4.6 7.0#

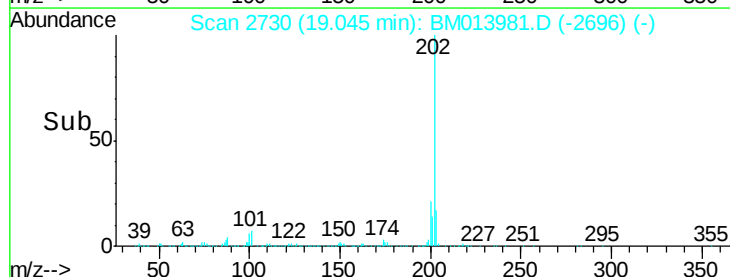
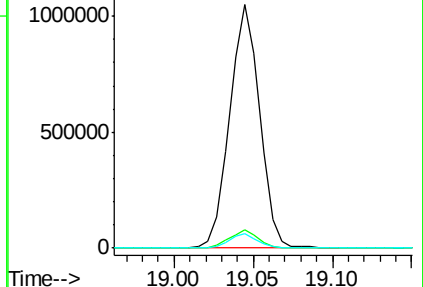
100 6.0 3.4 5.2#

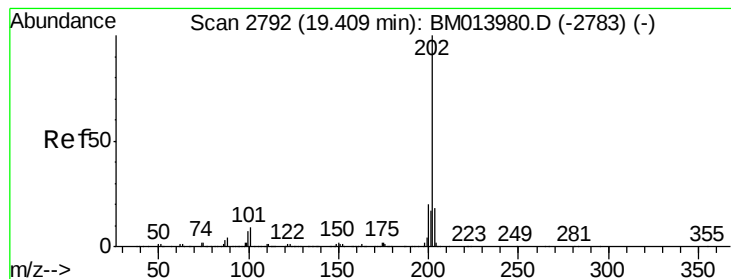


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 18.367 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Instrument :

BNA_M

ClientSampleId :

F6B18DL

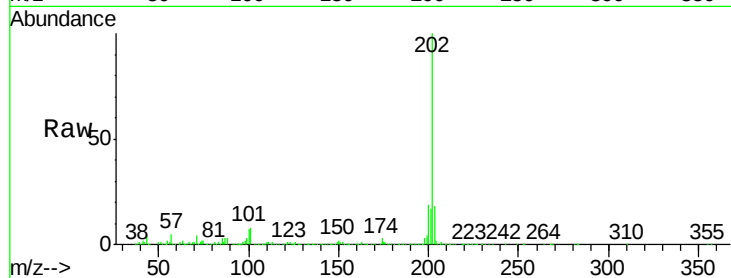
Tot Ion:202 Resp: 875591

Ion Ratio Lower Upper

202 100

101 8.2 5.1 7.7#

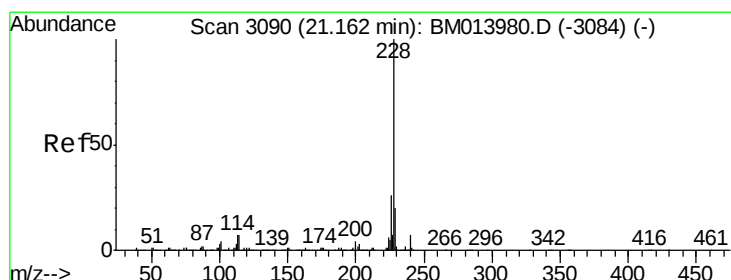
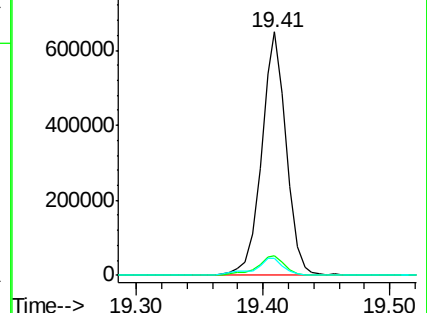
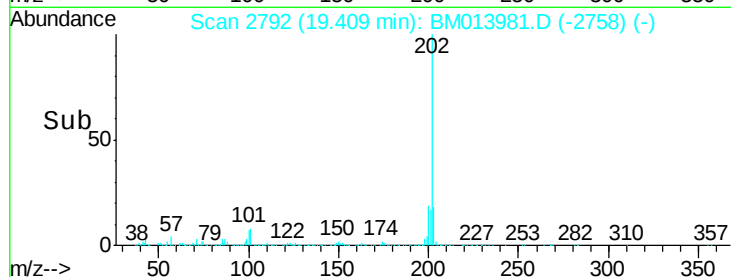
100 7.0 4.9 7.3



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: 4.493 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

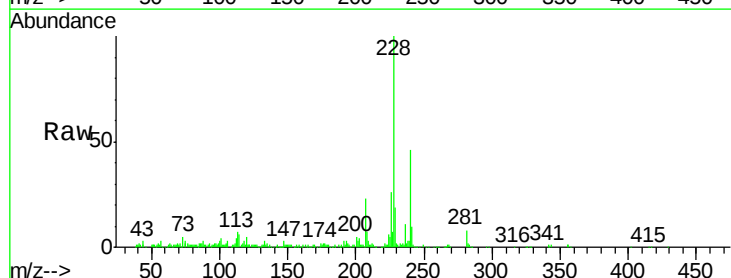
Tgt Ion:228 Resp: 212905

Ion Ratio Lower Upper

228 100

229 19.1 15.4 23.0

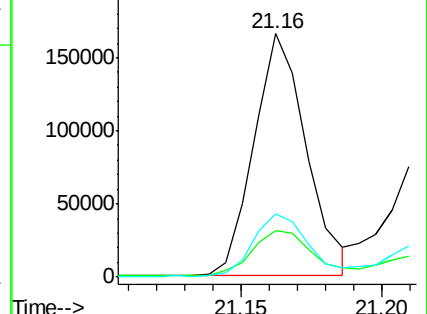
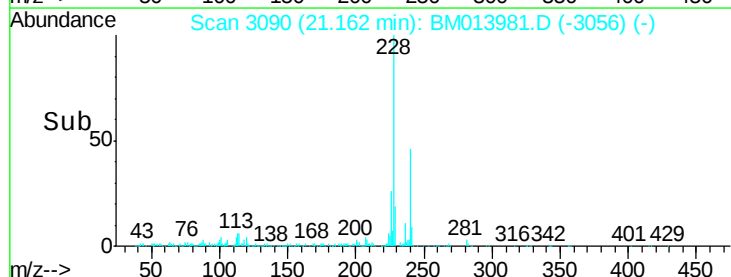
226 26.0 21.4 32.0

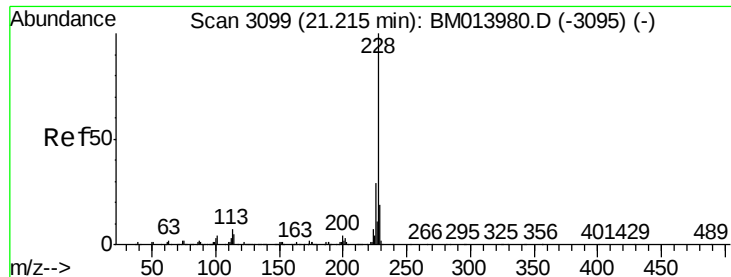


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.714 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

Instrument :

BNA_M

ClientSampleId :

F6B18DL

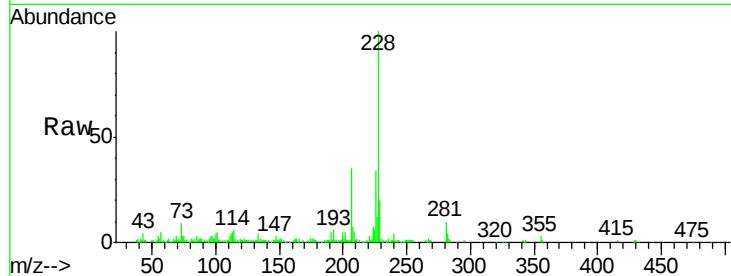
Tot Ion:228 Resp: 161463

Ion Ratio Lower Upper

228 100

226 34.4 23.4 35.2

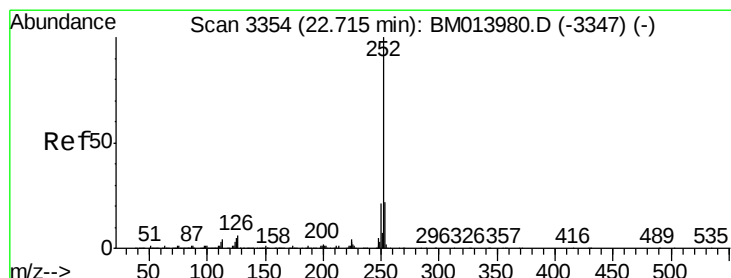
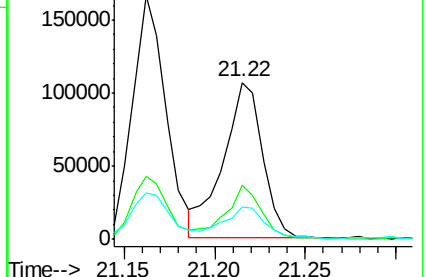
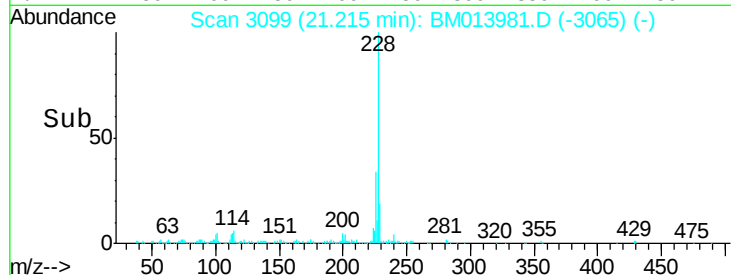
229 20.3 15.5 23.3



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: 2.378 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013981.D

Acq: 30 Jan 2018 05:05

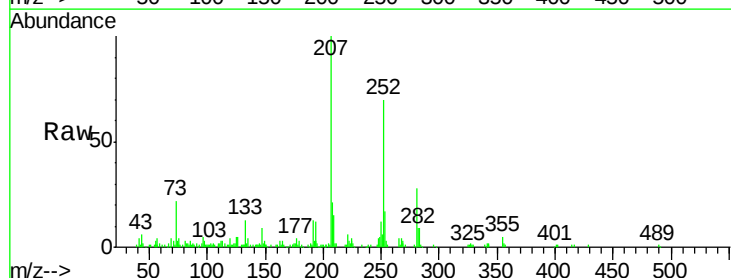
Tgt Ion:252 Resp: 112265

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

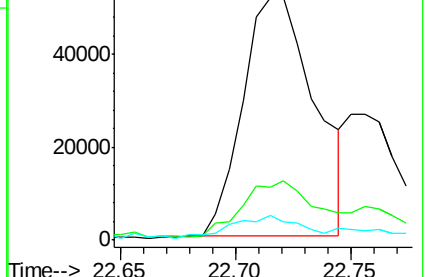
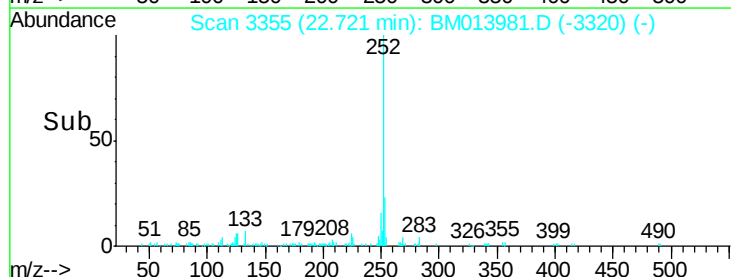
125 7.5 3.6 5.4#

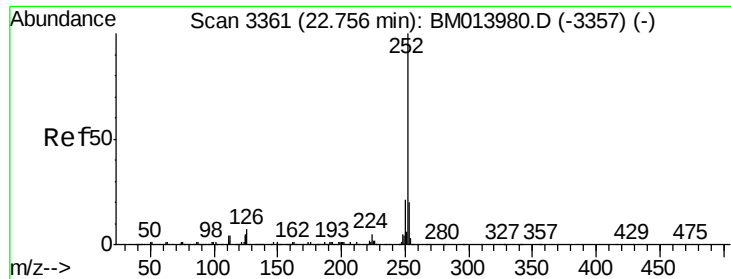


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

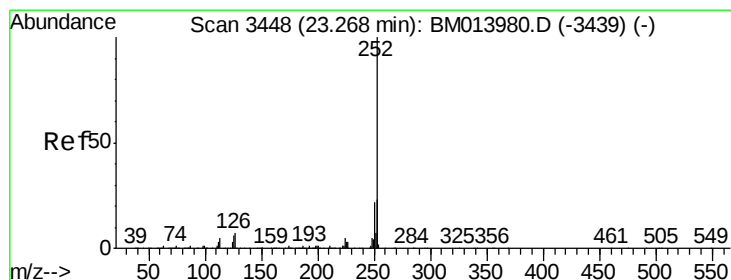
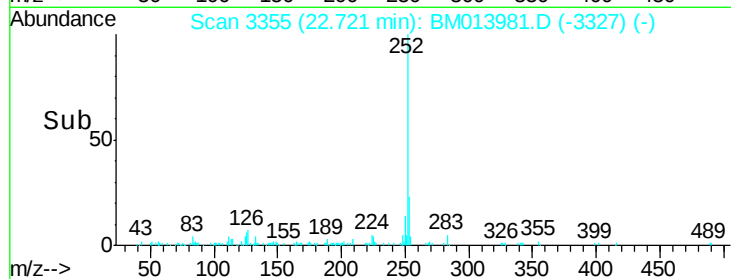
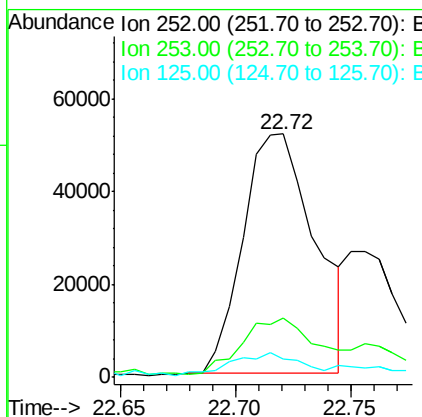
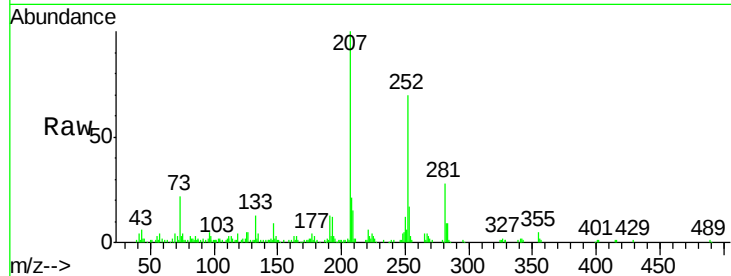




#86
Benzo(k)fluoranthene
Concen: 2.460 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. -0.04 min
Lab File: BM013981.D
Acq: 30 Jan 2018 05:05

Instrument :
BNA_M
ClientSampleId :
F6B18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	7.5	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 1.339 ng/ul
RT: 23.27 min Scan# 3448
Delta R.T. 0.00 min
Lab File: BM013981.D
Acq: 30 Jan 2018 05:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	6.5	4.0	6.0#

