

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013976.D
 Acq On : 30 Jan 2018 02:05
 Operator : SJ/JU
 Sample : J1244-11DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B52DL

Quant Time: Jan 30 02:50:01 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 02:42:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	99644	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	373282	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	231500	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	562765	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	674248	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	664426	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4922	1.95	ng/uL	0.00
5) Phenol-d5	6.76	99	98002	12.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	57570	12.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	78252	12.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	81507	13.86	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	42007	14.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	48649	15.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	82317	13.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	85840	16.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	305008	15.99	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	379388	15.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	10915	3.52	ng/ul	0.02
57) Fluorene-d10	15.22	176	266944	15.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	27754	8.19	ng/ul	0.01
70) Anthracene-d10	17.07	188	429894	15.68	ng/ul	0.00
76) Pyrene-d10	19.38	212	515449	16.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	518413	16.98	ng/ul	0.00

Target Compounds

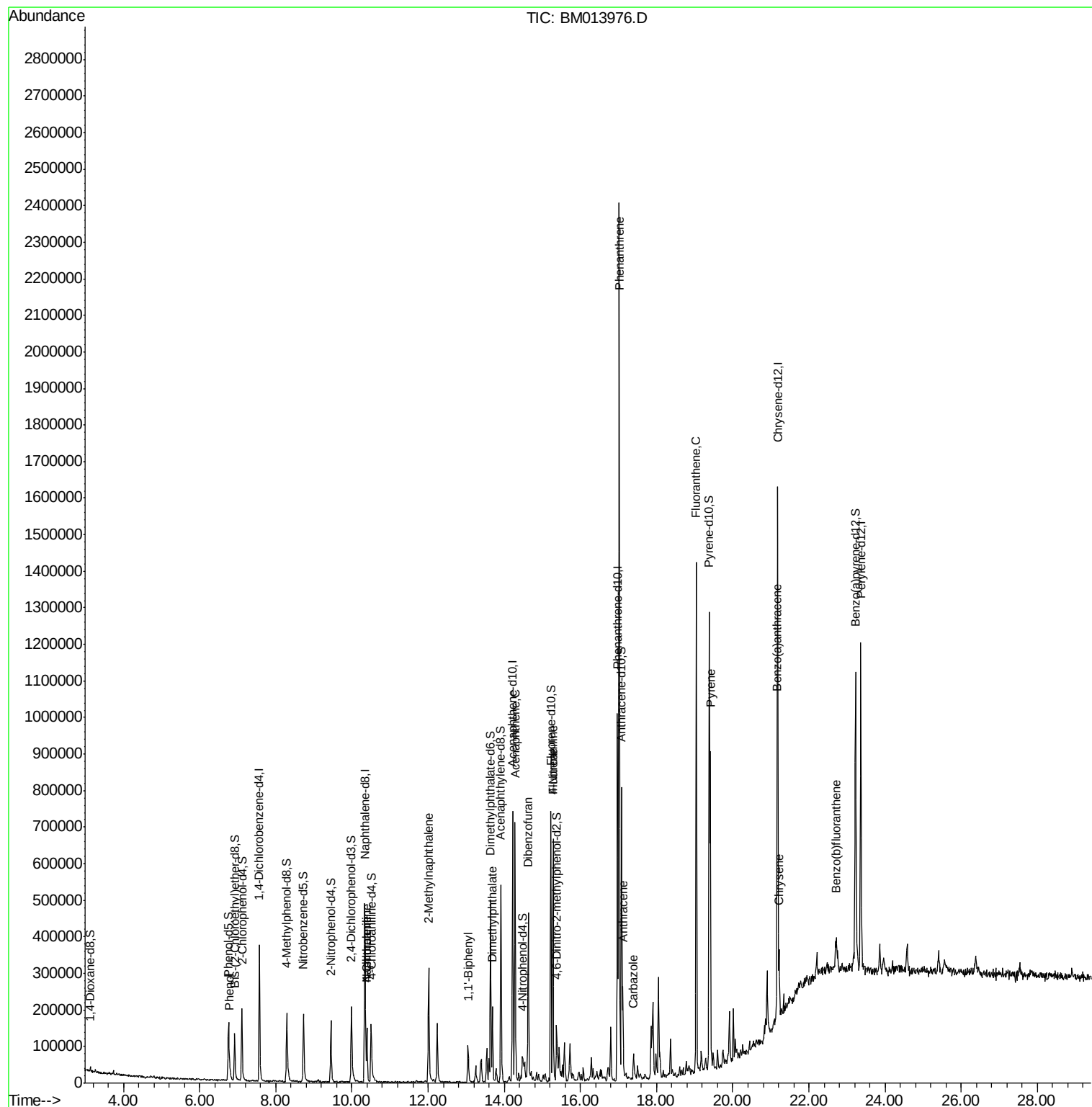
					Ovalue	
6) Phenol	6.79	94	12436	1.621	ng/ul#	86
28) Naphthalene	10.39	128	109057	5.873	ng/ul#	96
30) 4-Chloroaniline	10.40	127	14346	2.820	ng/ul#	30
34) 2-Methylnaphthalene	12.02	142	159225	11.500	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	60994	3.165	ng/ul	96
44) Dimethylphthalate	13.69	163	116295	6.199	ng/ul#	99
49) Acenaphthene	14.29	153	264689	17.168	ng/ul	95
53) Dibenzofuran	14.63	168	265301	11.438	ng/ul	95
58) Fluorene	15.28	166	275458	14.498	ng/ul	98
60) 4-Nitroaniline	15.28	138	3506	1.048	ng/ul#	9
69) Phenanthrene	17.02	178	1379438	44.097	ng/ul	100
71) Anthracene	17.11	178	150291	4.658	ng/ul	97
72) Carbazole	17.40	167	41692	1.565	ng/ul#	94
74) Fluoranthene	19.04	202	833498	22.322	ng/ul#	97
77) Pyrene	19.41	202	556630	13.580	ng/ul	99
80) Benzo(a)anthracene	21.16	228	122080	2.996	ng/ul	98
82) Chrysene	21.22	228	102192	2.734	ng/ul	96
85) Benzo(b)fluoranthene	22.72	252	57210	1.402	ng/ul#	98

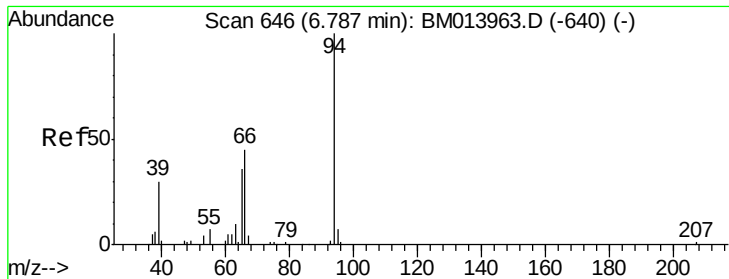
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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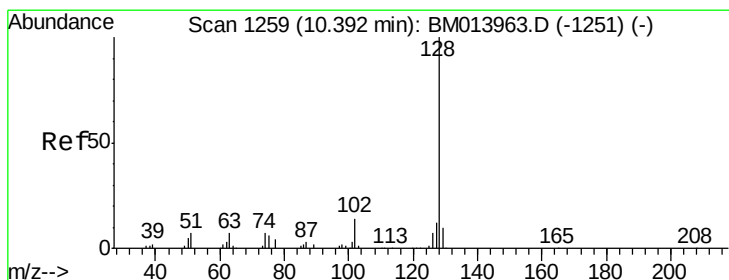
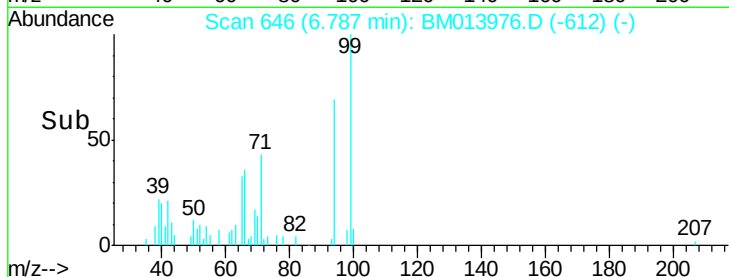
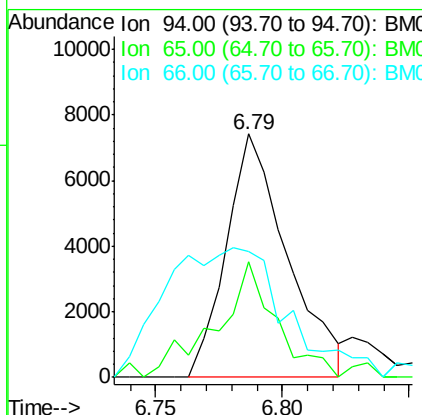
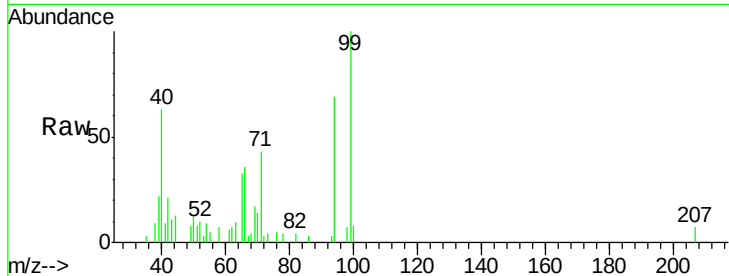
#6

Phenol

Concen: 1.621 ng/ul
 RT: 6.79 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BM013976.D
 Acq: 30 Jan 2018 02:05

Instrument :
 BNA_M
 ClientSampled :
 F6B52DL

Tot Ion	94	Resp	12436
Ion Ratio	Lower	Upper	
94	100		
65	47.4	28.2	42.4#
66	51.5	47.2	70.8

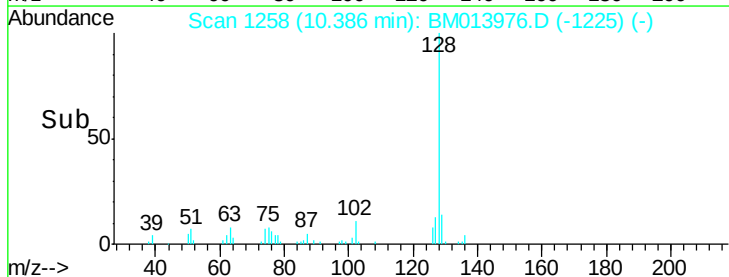
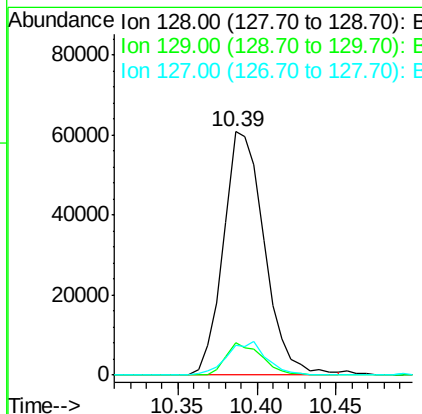
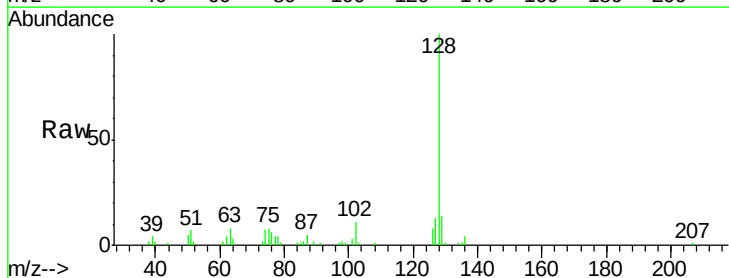


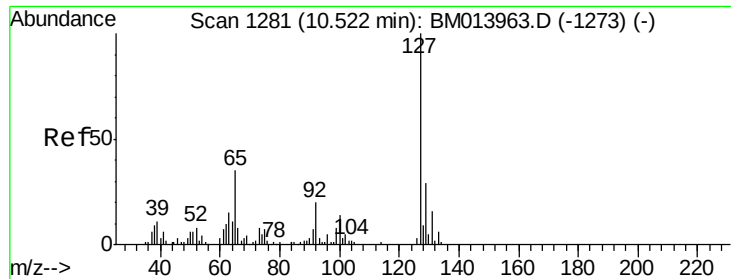
#28

Naphthalene

Concen: 5.873 ng/ul
 RT: 10.39 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BM013976.D
 Acq: 30 Jan 2018 02:05

Tgt Ion	128	Resp	109057
Ion Ratio	Lower	Upper	
128	100		
129	13.6	8.8	13.2#
127	12.5	10.6	16.0

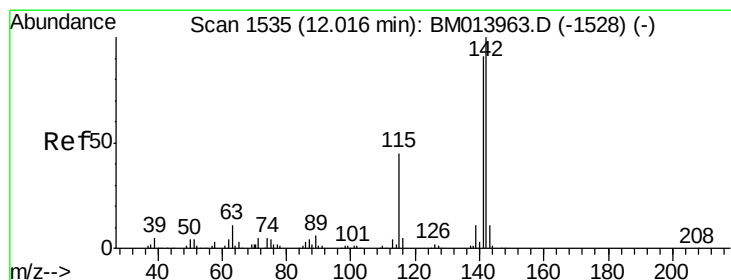
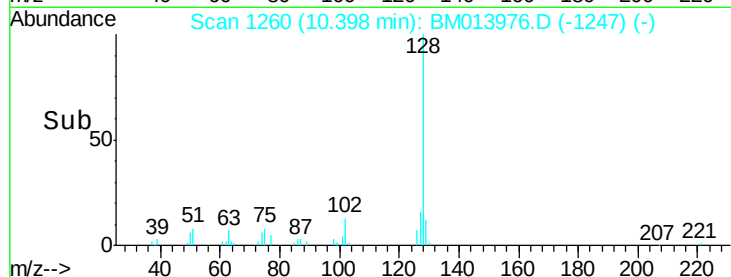
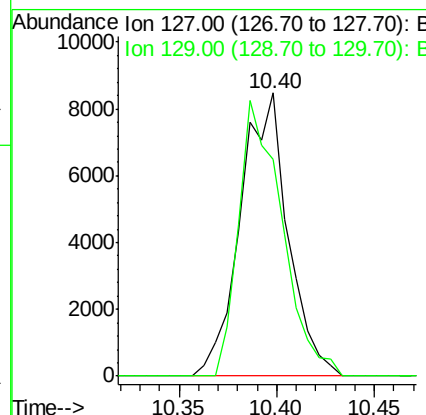
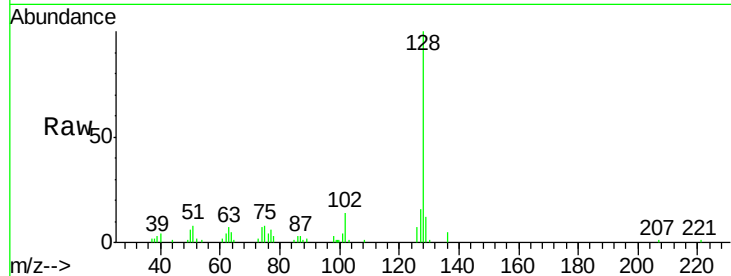




#30
4-Chloroaniline
Concen: 2.820 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

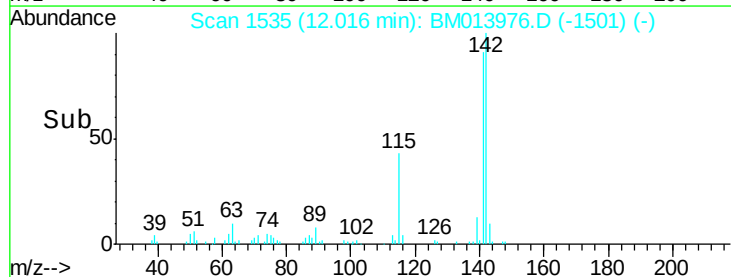
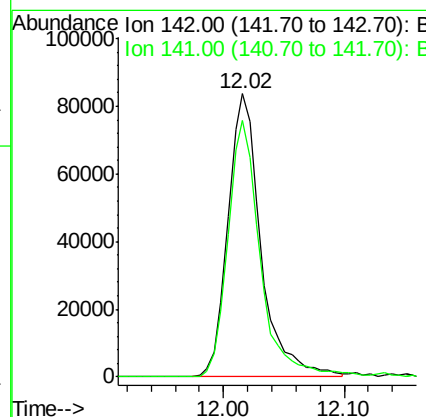
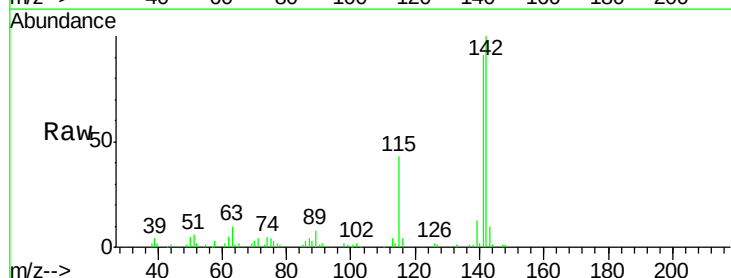
Instrument :
BNA_M
ClientSampleId :
F6B52DL

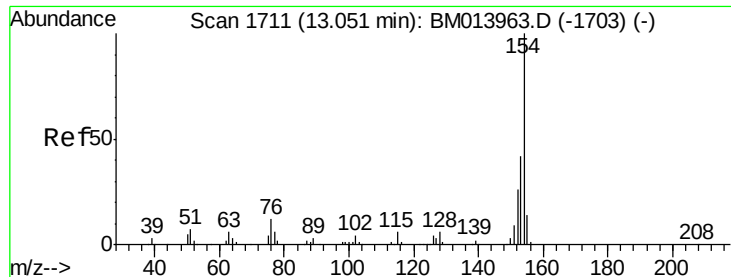
Tot Ion:127 Resp: 14346
Ion Ratio Lower Upper
127 100
129 76.5 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 11.500 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Tgt Ion:142 Resp: 159225
Ion Ratio Lower Upper
142 100
141 90.7 74.1 111.1

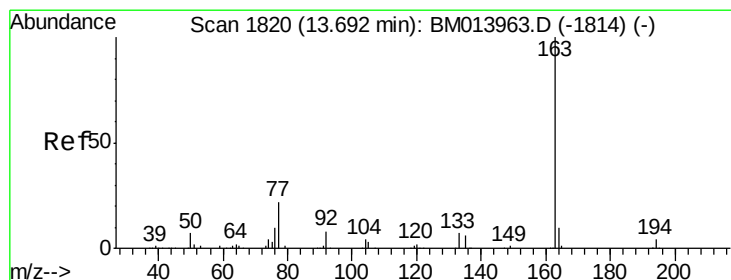
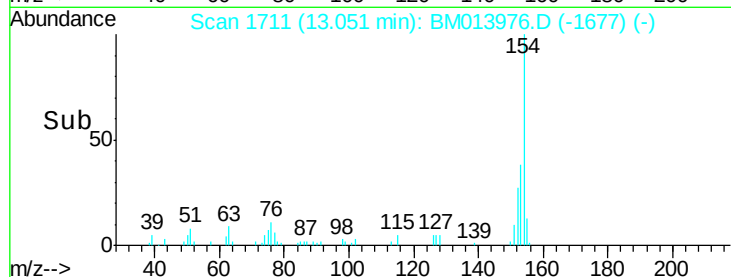
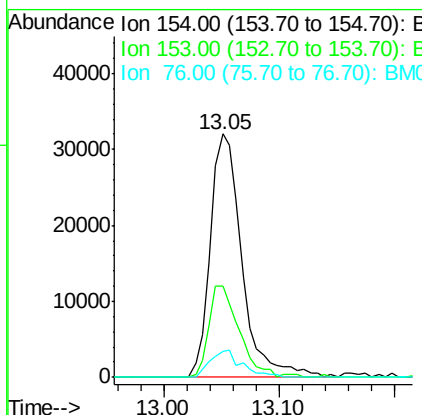
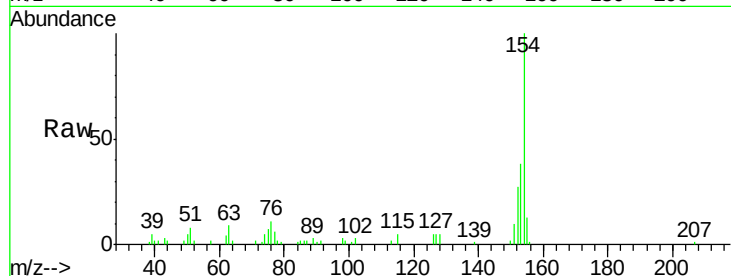




#40
1,1'-Biphenyl
Concen: 3.165 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

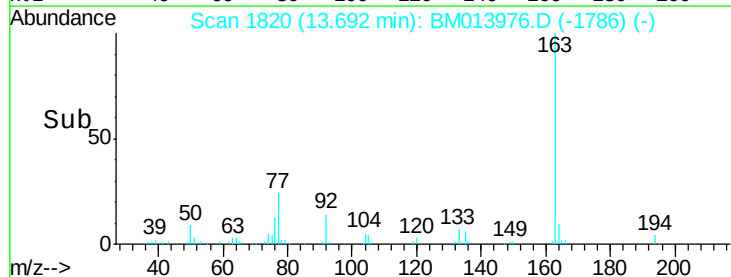
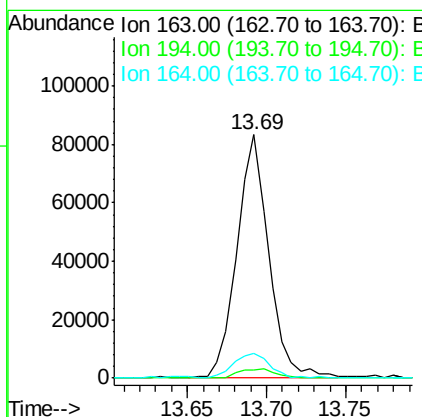
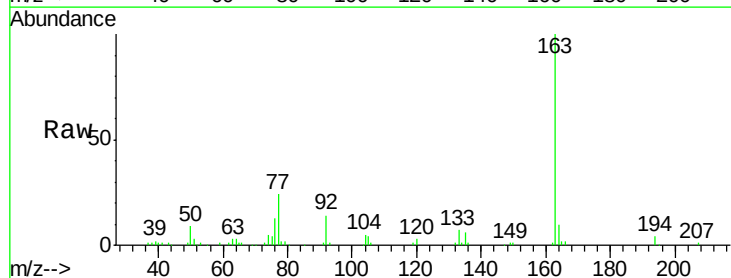
Instrument :
BNA_M
ClientSampleId :
F6B52DL

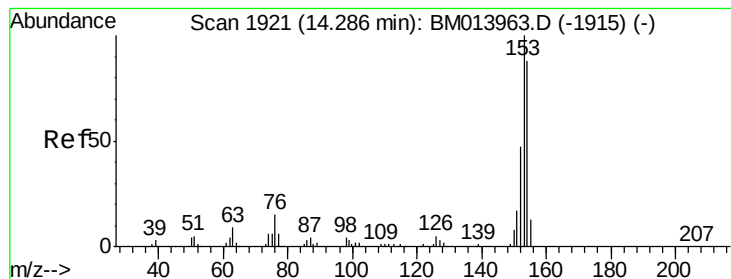
Tot Ion	154	153	76
Resp:	60994		
Ion Ratio	100	37.7	10.9
Lower		32.6	8.5
Upper		48.8	12.7



#44
Dimethylphthalate
Concen: 6.199 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Tgt Ion	163	194	164
Resp:	116295		
Ion Ratio	100	3.5	10.4
Lower		3.5	8.2
Upper		5.3#	12.4





#49

Acenaphthene

Concen: 17.168 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

BNA_M

ClientSampleId :

F6B52DL

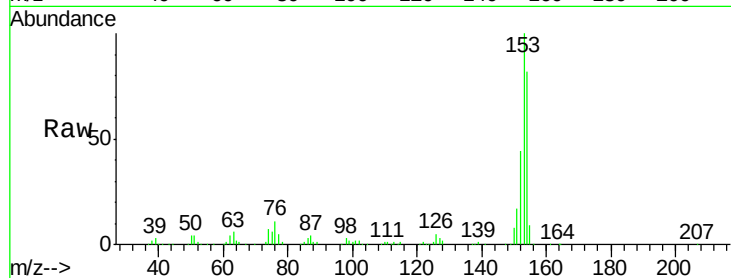
Tot Ion:153 Resp: 264689

Ion Ratio Lower Upper

153 100

152 44.1 37.6 56.4

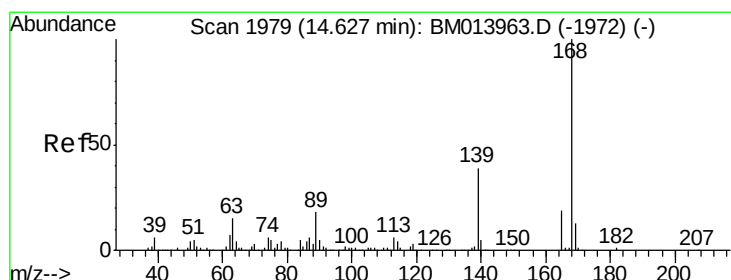
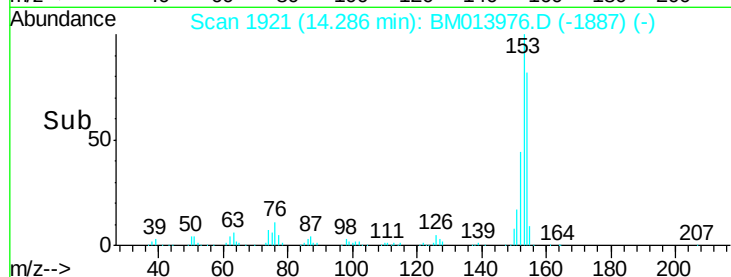
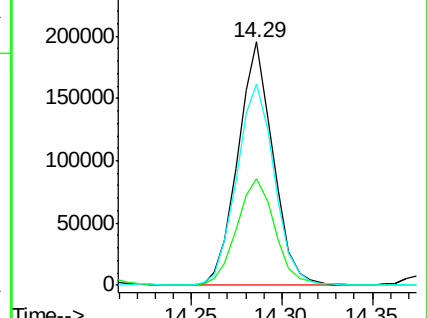
154 82.4 70.4 105.6



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: 11.438 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM013976.D

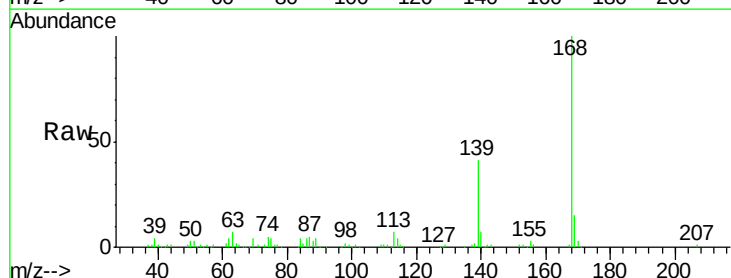
Acq: 30 Jan 2018 02:05

Tgt Ion:168 Resp: 265301

Ion Ratio Lower Upper

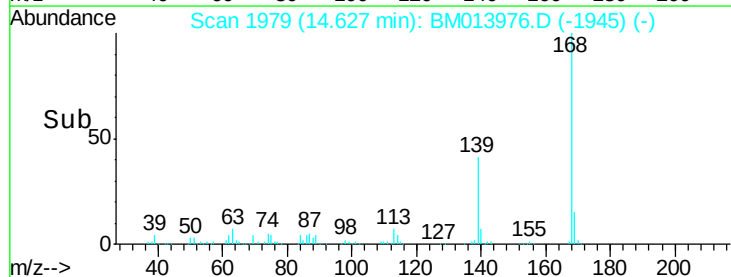
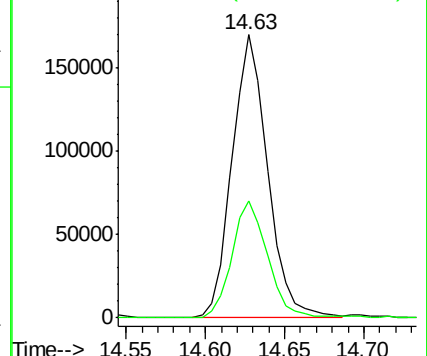
168 100

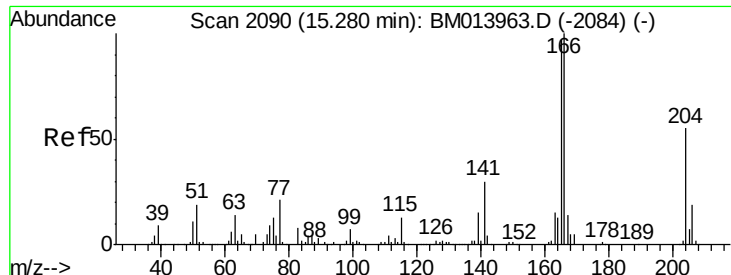
139 41.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.498 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BM013976.D

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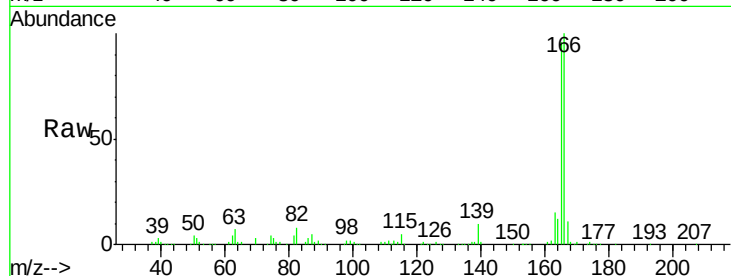
Tot Ion:166 Resp: 275458

Ion Ratio Lower Upper

166 100

165 95.8 77.9 116.9

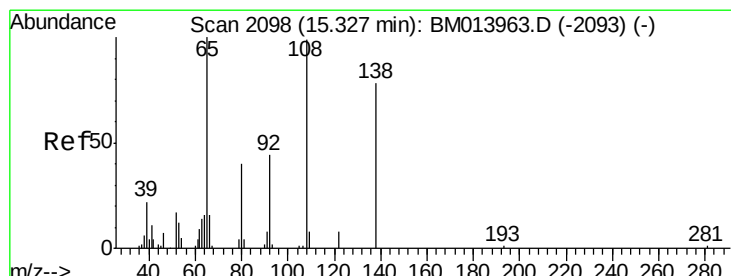
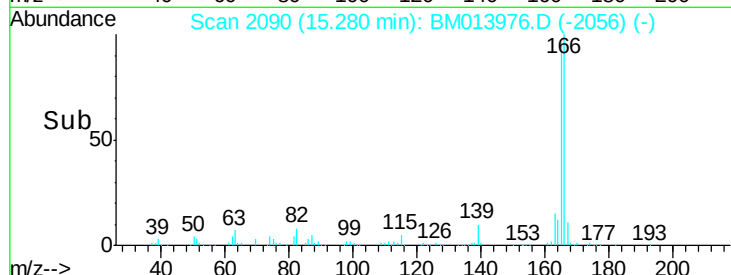
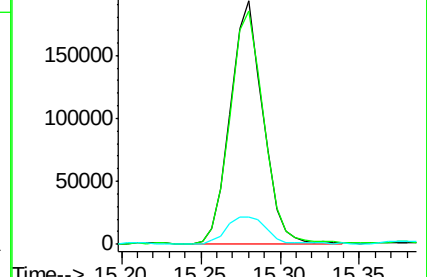
167 11.4 10.6 16.0



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: 1.048 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.05 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

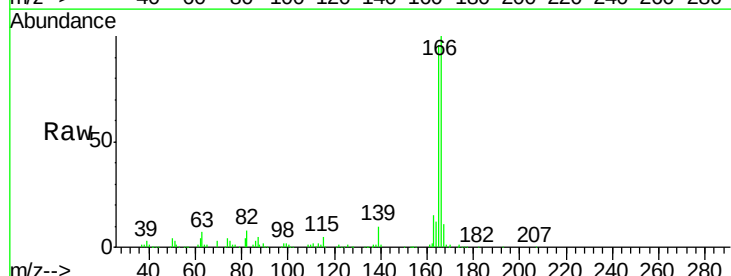
Tgt Ion:138 Resp: 3506

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

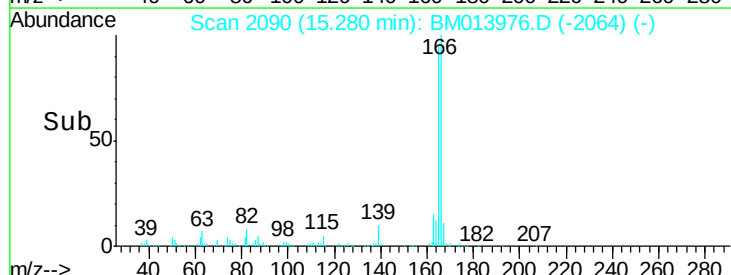
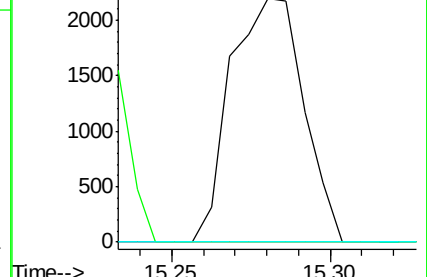
108 0.0 80.0 120.0#

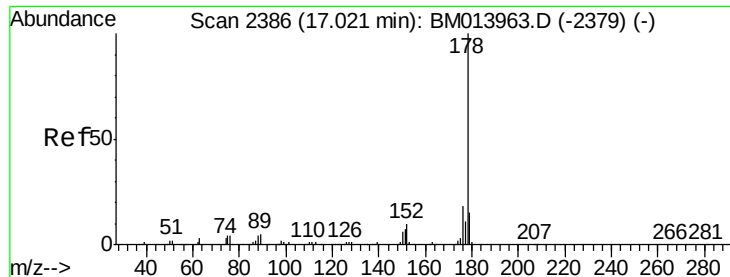


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 44.097 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM013976.D

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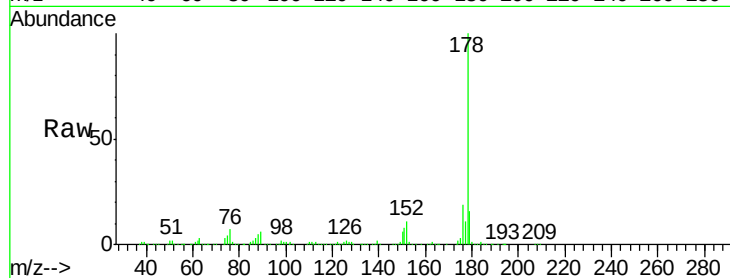
Tot Ion:178 Resp: 1379438

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

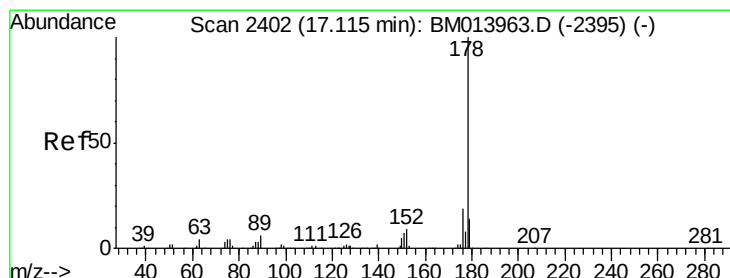
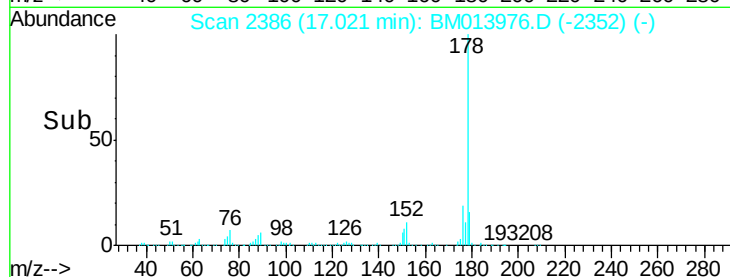
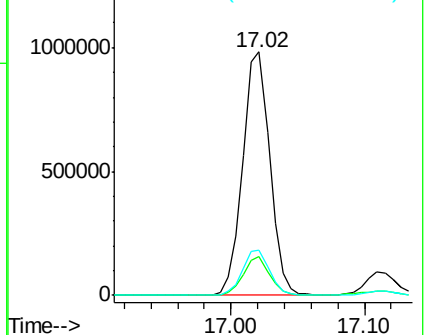
176 18.7 14.9 22.3



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: 4.658 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

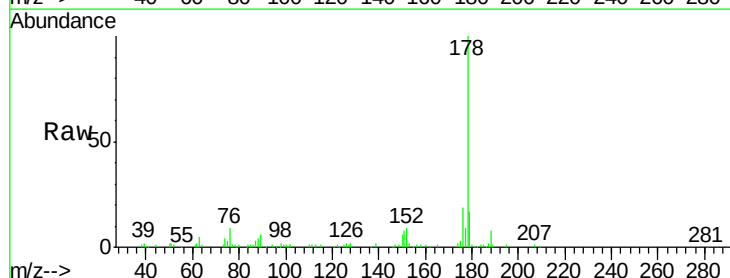
Tgt Ion:178 Resp: 150291

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

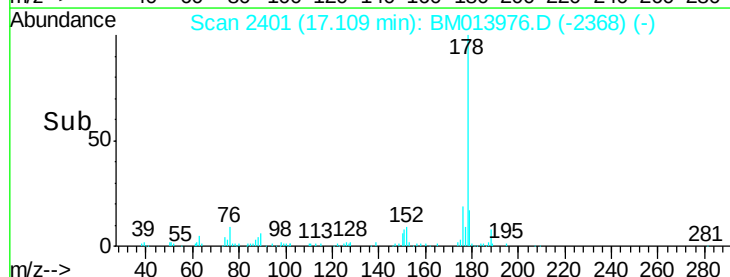
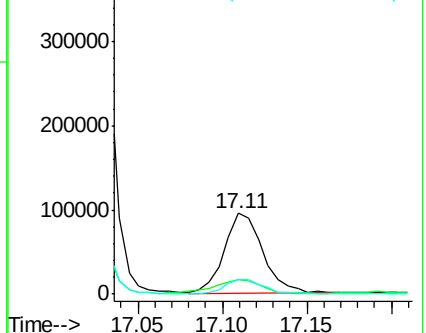
176 18.5 14.6 21.8

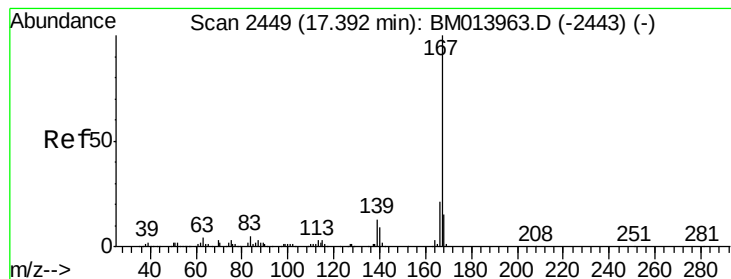


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.565 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. 0.01 min

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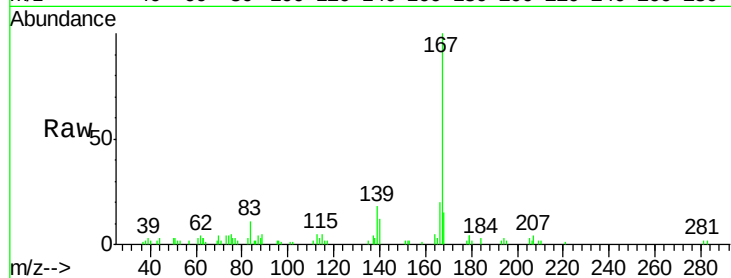
Tot Ion:167 Resp: 41692

Ion Ratio Lower Upper

167 100

166 20.4 17.1 25.7

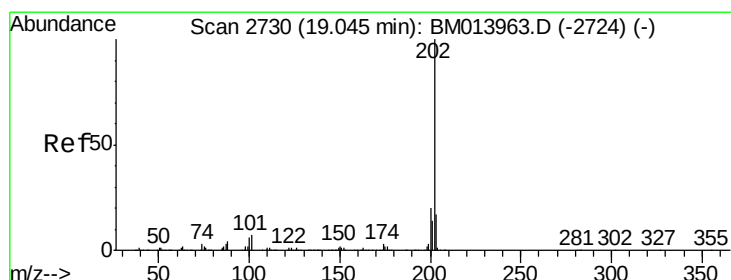
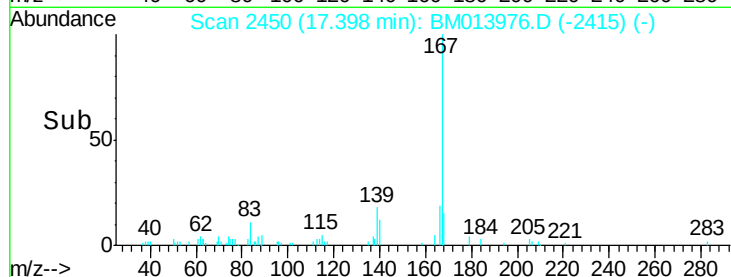
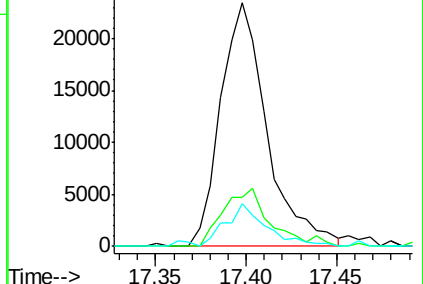
139 17.6 10.0 15.0#



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: 22.322 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. -0.00 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

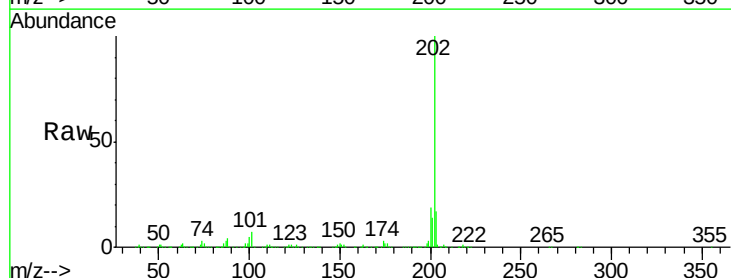
Tgt Ion:202 Resp: 833498

Ion Ratio Lower Upper

202 100

101 6.7 4.6 7.0

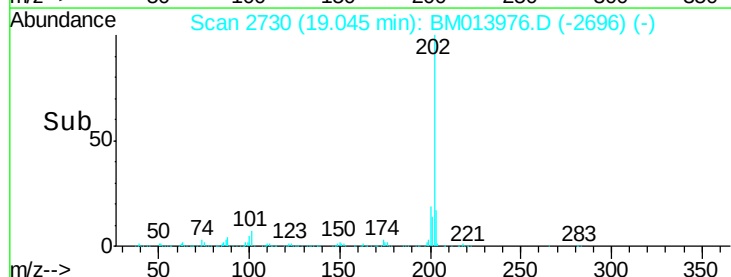
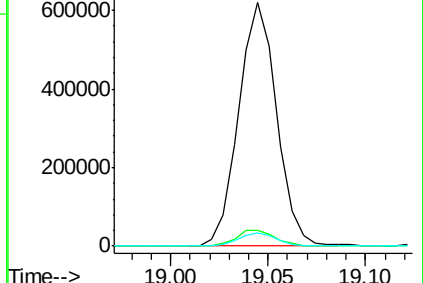
100 5.3 3.4 5.2#

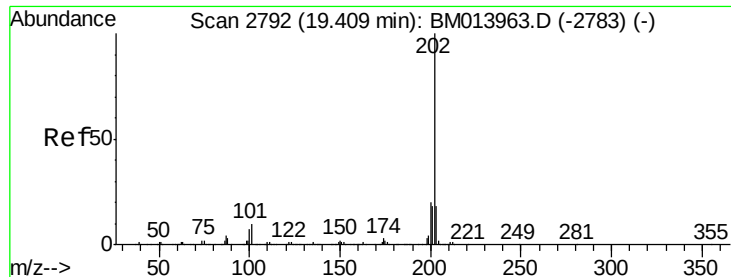


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

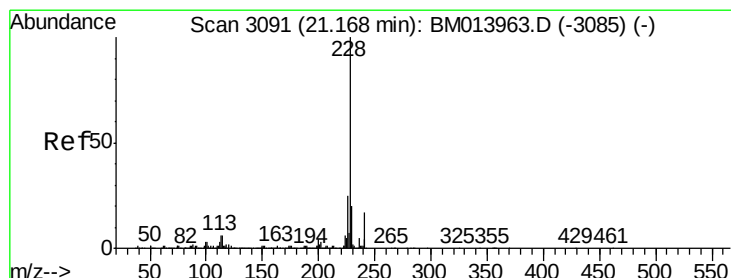
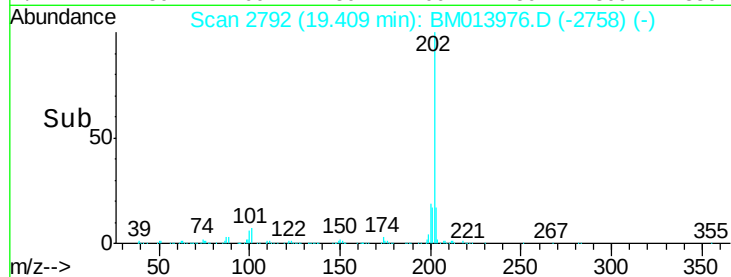
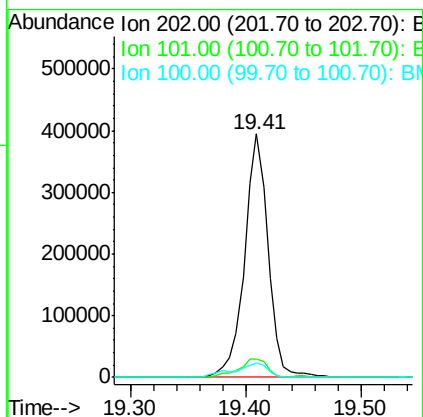
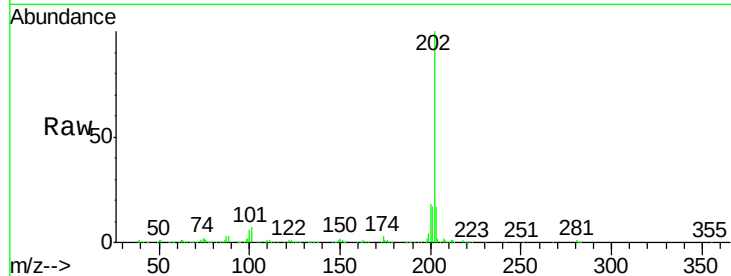




#77
Pvrene
Concen: 13.580 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. -0.00 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

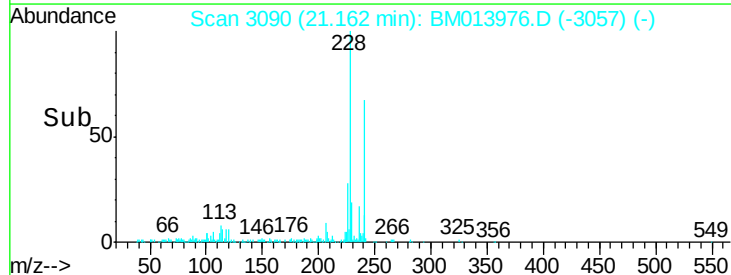
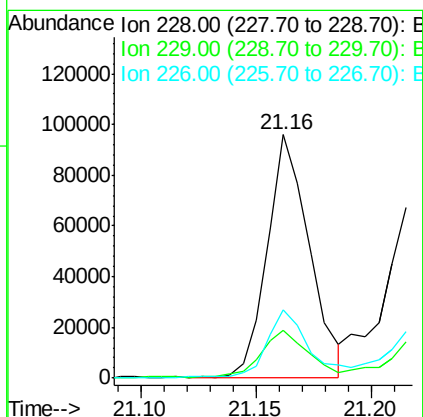
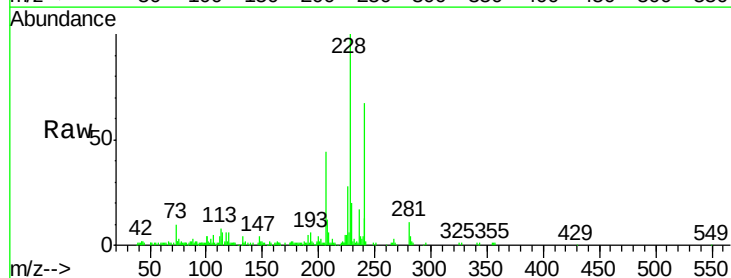
Instrument :
BNA_M
ClientSampleId :
F6B52DL

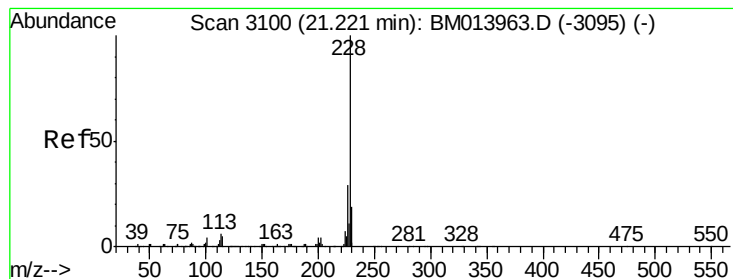
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.1	7.7
100	6.2	4.9	7.3



#80
Benzo(a)anthracene
Concen: 2.996 ng/ul
RT: 21.16 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM013976.D
Acq: 30 Jan 2018 02:05

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.0
226	27.8	21.4	32.0





#82

Chrysene

Concen: 2.734 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Instrument :

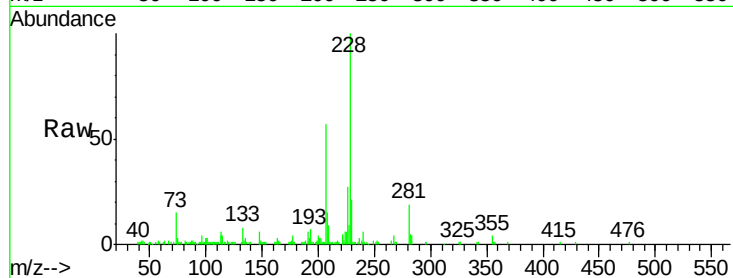
BNA_M

ClientSampleId :

F6B52DL

Tot Ion:228 Resp: 102192

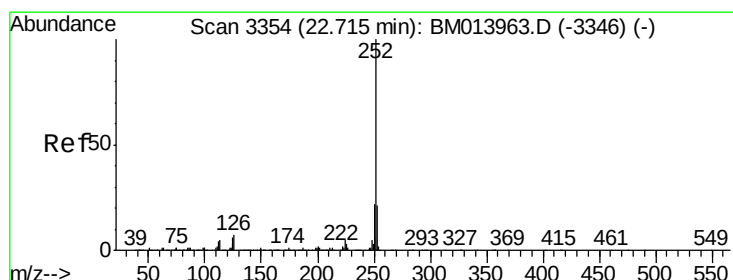
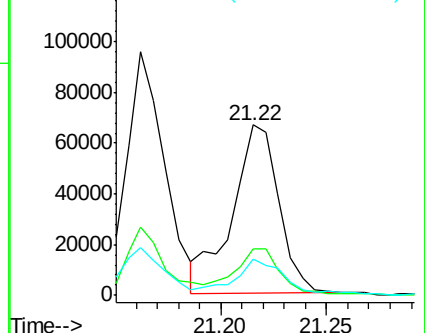
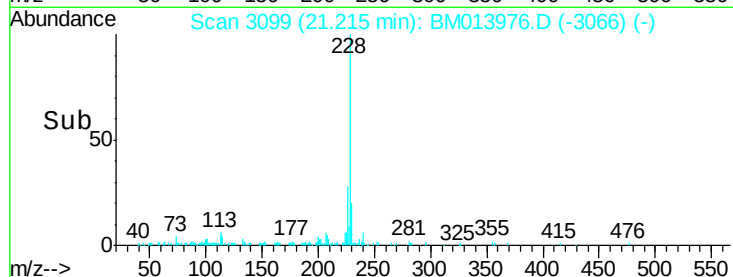
Ion	Ratio	Lower	Upper
228	100		
226	27.4	23.4	35.2
229	21.3	15.5	23.3



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: 1.402 ng/ul

RT: 22.72 min Scan# 3355

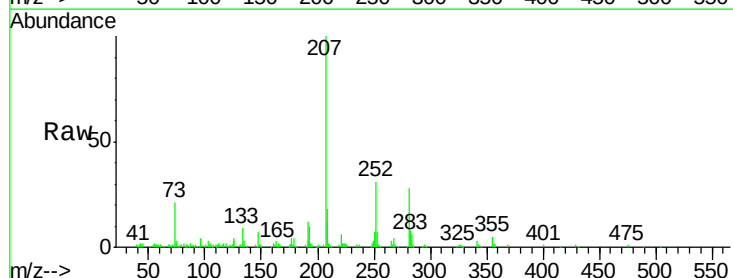
Delta R.T. 0.01 min

Lab File: BM013976.D

Acq: 30 Jan 2018 02:05

Tgt Ion:252 Resp: 57210

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	8.6	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

