

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013962.D
 Acq On : 29 Jan 2018 17:41
 Operator : SJ/JU
 Sample : J1244-10DL 30X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B51DL

Quant Time: Jan 30 01:14:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 01:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	93165	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	394898	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	255514	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	587677	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	660500	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	636260	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.78	99	1302	0.18	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.94	67	1575	0.36	ng/ul	0.02
9) 2-Chlorophenol-d4	7.12	132	1113	0.19	ng/ul	0.01
13) 4-Methylphenol-d8	8.32	113	1972	0.36	ng/ul	0.04
19) Nitrobenzene-d5	8.76	128	1336	0.44	ng/ul	0.03
22) 2-Nitrophenol-d4	9.46	143	658	0.20	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.03	165	3406	0.54	ng/ul	0.05
29) 4-Chloroaniline-d4	10.54	131	4250	0.78	ng/ul	0.04
43) Dimethylphthalate-d6	13.65	166	17966	0.85	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	19634	0.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	123	0.04	ng/ul	0.00
57) Fluorene-d10	15.23	176	17260	0.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	442	0.12	ng/ul	0.03
70) Anthracene-d10	17.07	188	24859	0.87	ng/ul	0.00
76) Pyrene-d10	19.39	212	29622	0.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	24806	0.85	ng/ul	0.00

Target Compounds

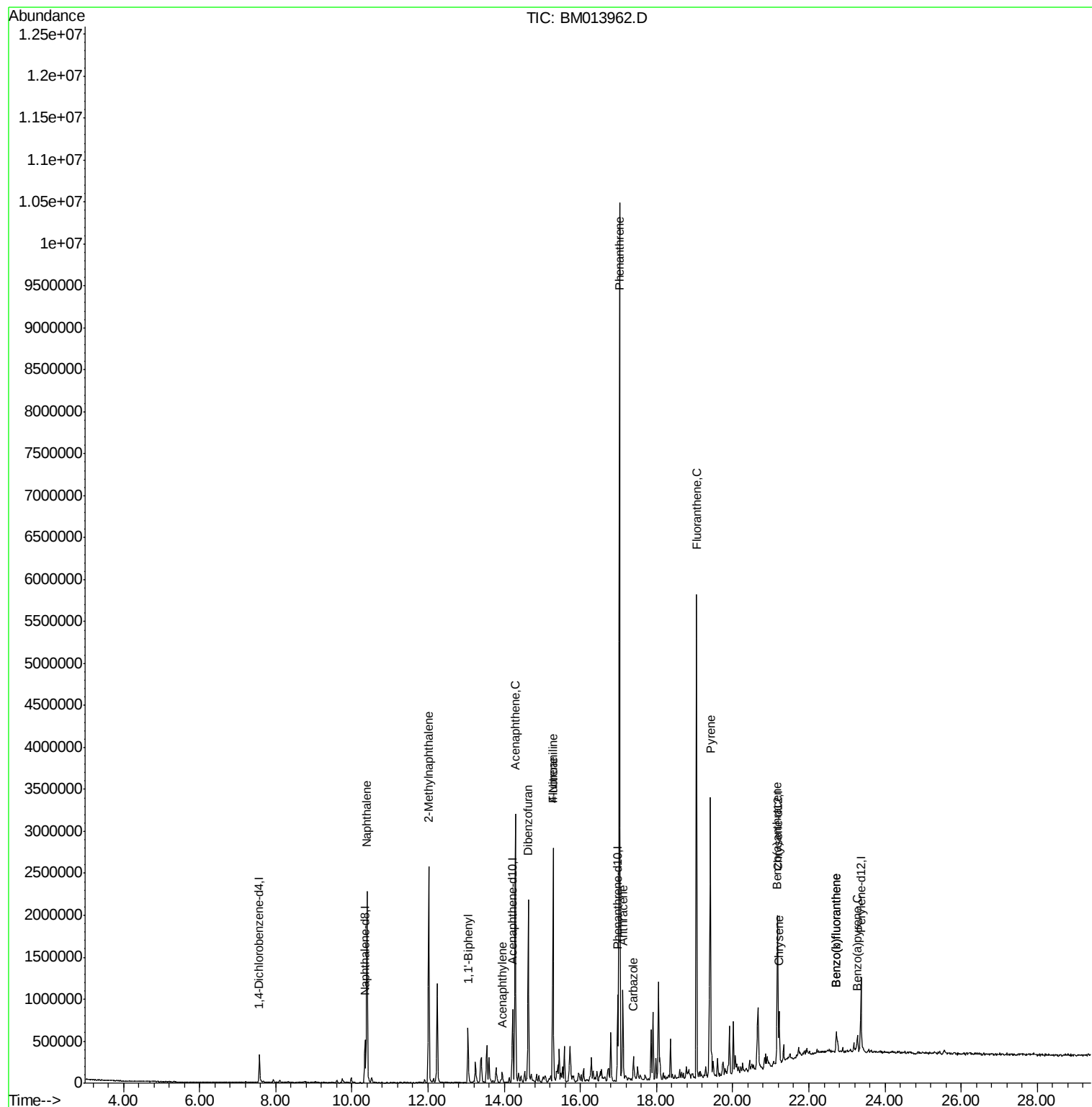
					Ovalue	
28) Naphthalene	10.39	128	1705783	86.825	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1134244	77.436	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	319277	15.011	ng/ul	97
47) Acenaphthylene	13.95	152	25294	1.029	ng/ul#	73
49) Acenaphthene	14.29	153	1268120	74.521	ng/ul	99
53) Dibenzofuran	14.63	168	1212522	47.364	ng/ul	100
58) Fluorene	15.28	166	1169378	55.764	ng/ul	100
60) 4-Nitroaniline	15.28	138	14838	4.019	ng/ul#	12
69) Phenanthrene	17.03	178	5769705	176.624	ng/ul	99
71) Anthracene	17.12	178	649338	19.272	ng/ul	98
72) Carbazole	17.40	167	165793	5.961	ng/ul	97
74) Fluoranthene	19.05	202	3341263	85.688	ng/ul#	95
77) Pyrene	19.42	202	2159284	53.775	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	444486	11.137	ng/ul	98
82) Chrysene	21.22	228	366600	10.013	ng/ul	95
85) Benzo(b)fluoranthene	22.72	252	202157	5.174	ng/ul	97
86) Benzo(k)fluoranthene	22.72	252	202157	5.353	ng/ul	98
88) Benzo(a)pyrene	23.27	252	111751	3.027	ng/ul	97

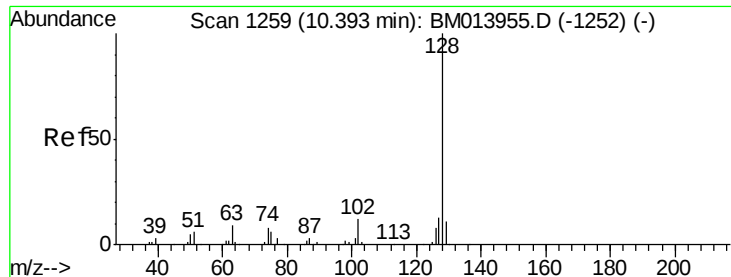
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 86.825 ng/ul

RT: 10.39 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

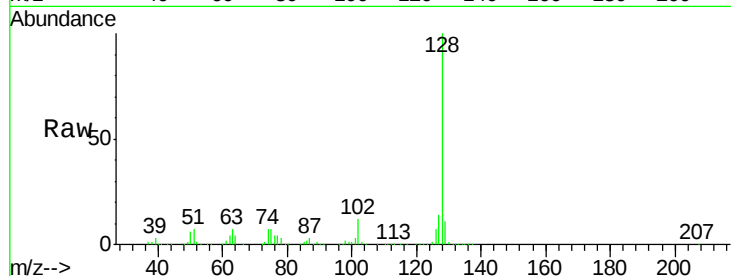
BNA_M

ClientSampleId :

F6B51DL

Tot Ion:128 Resp: 1705783

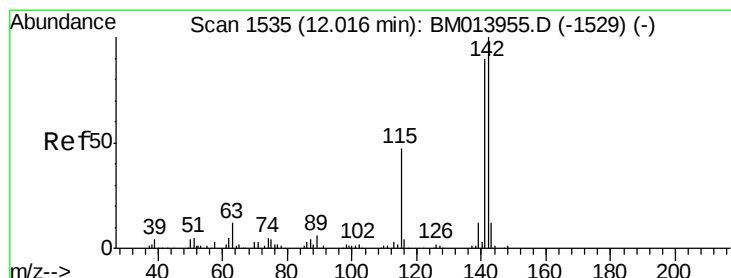
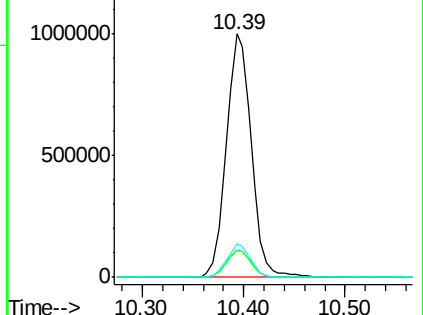
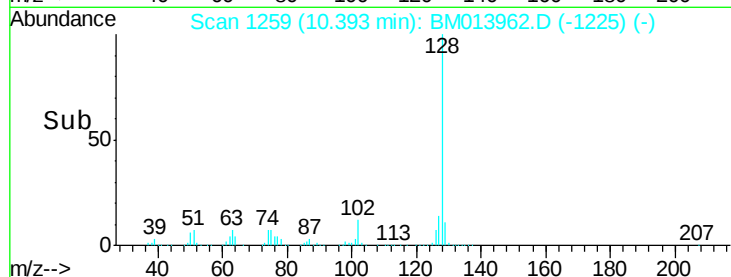
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.7	10.6	16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 77.436 ng/ul

RT: 12.02 min Scan# 1535

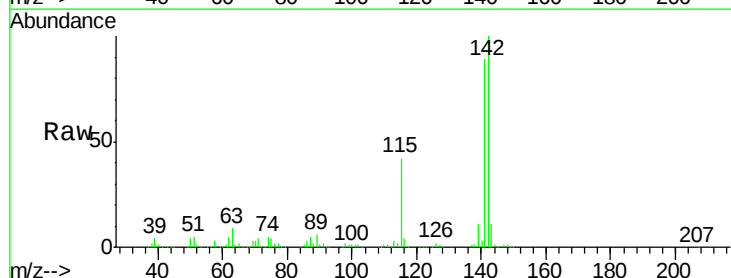
Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

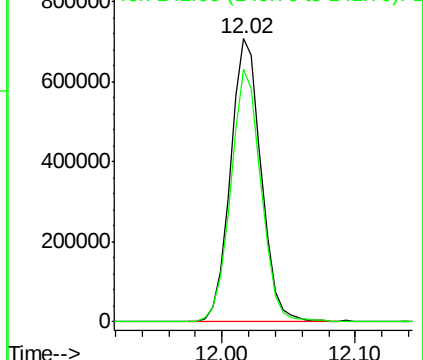
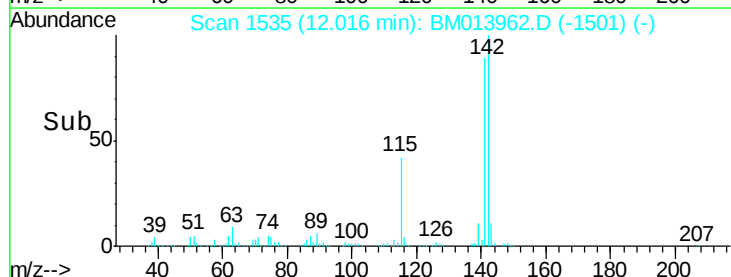
Tgt Ion:142 Resp: 1134244

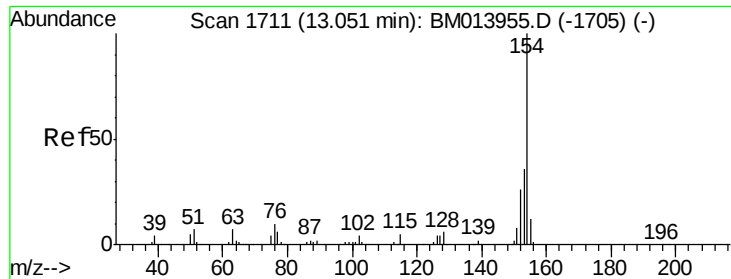
Ion	Ratio	Lower	Upper
142	100		
141	89.3	74.1	111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

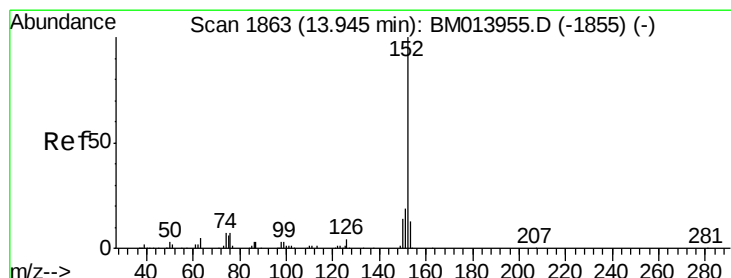
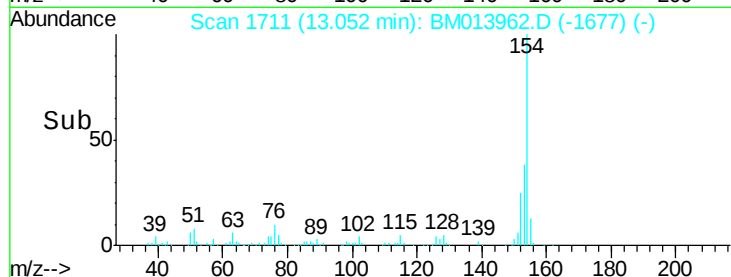
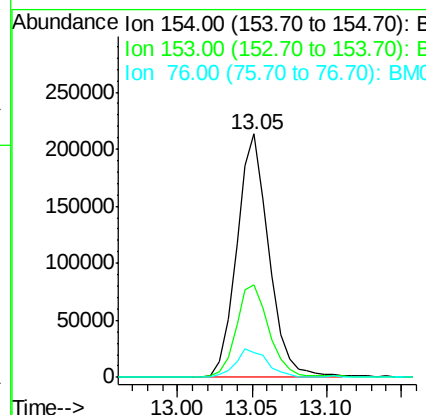
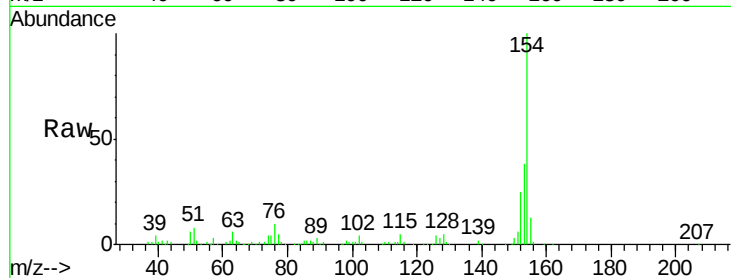




#40
 1,1'-Biphenyl
 Concen: 15.011 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BM013962.D
 Acq: 29 Jan 2018 17:41

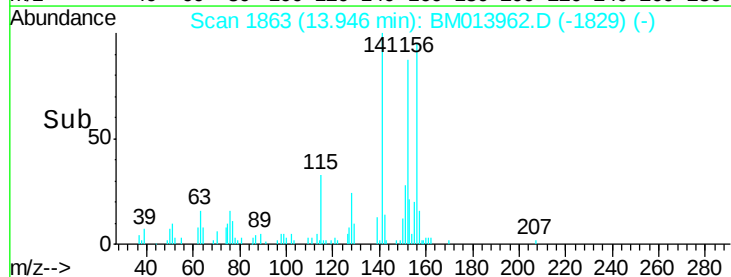
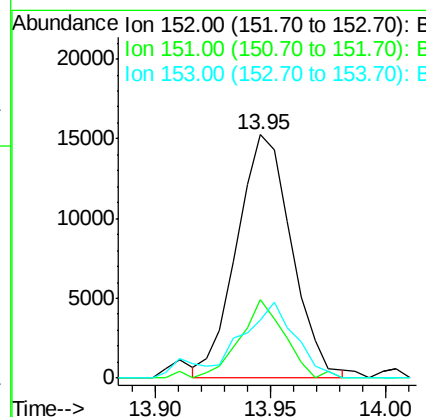
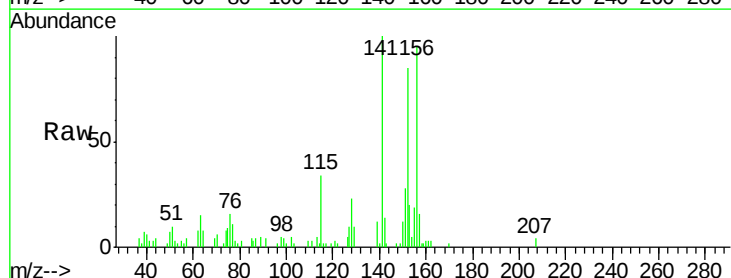
Instrument :
 BNA_M
 ClientSampled :
 F6B51DL

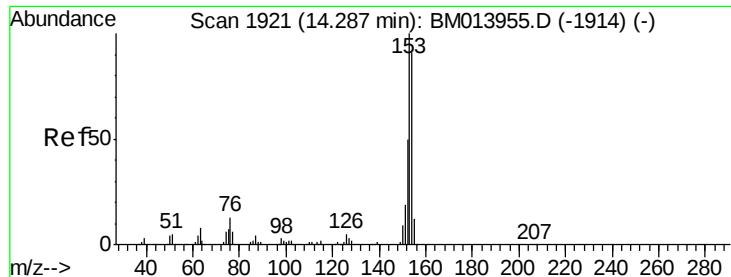
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.2	32.6	48.8
76	10.1	8.5	12.7



#47
 Acenaphthylene
 Concen: 1.029 ng/ul
 RT: 13.95 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BM013962.D
 Acq: 29 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	32.4	16.3	24.5#
153	24.0	10.2	15.4#





#49

Acenaphthene

Concen: 74.521 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

BNA_M

ClientSampleId :

F6B51DL

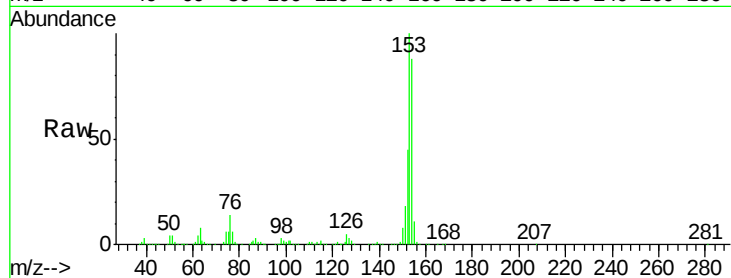
Tot Ion:153 Resp: 1268120

Ion Ratio Lower Upper

153 100

152 45.2 37.6 56.4

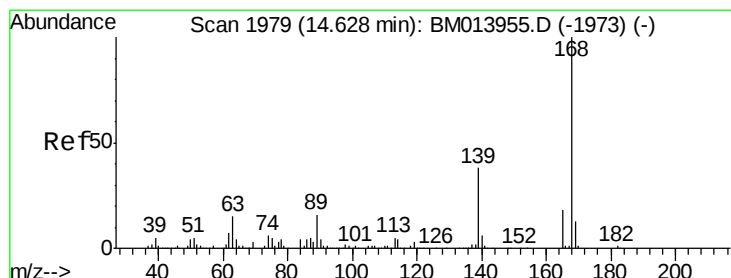
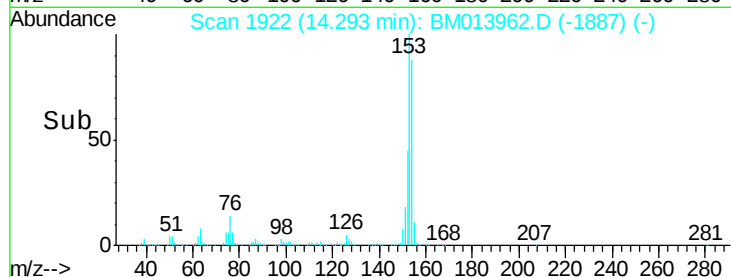
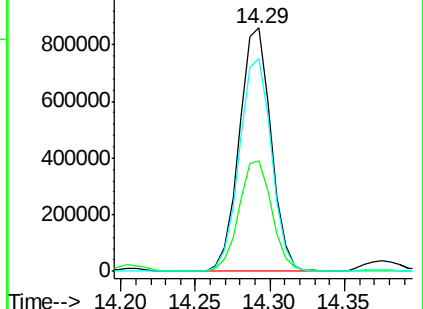
154 87.6 70.4 105.6



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: 47.364 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013962.D

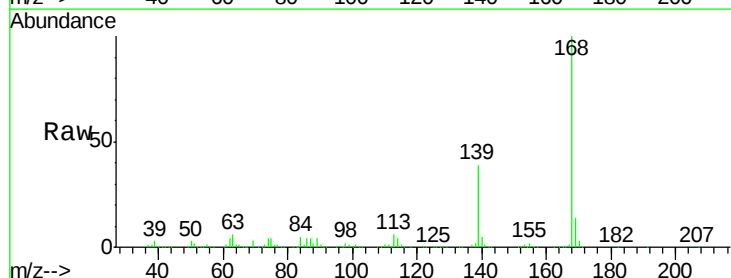
Acq: 29 Jan 2018 17:41

Tgt Ion:168 Resp: 1212522

Ion Ratio Lower Upper

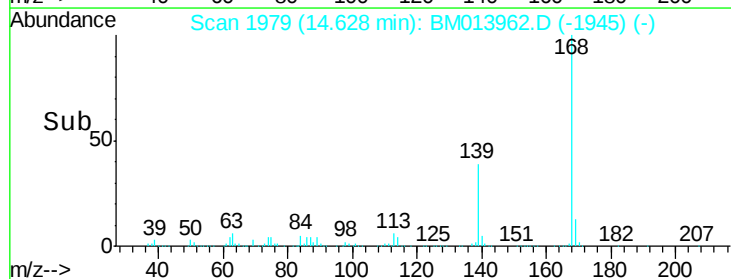
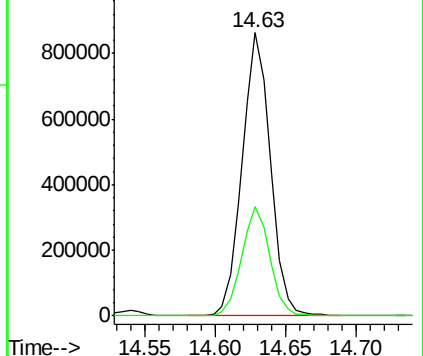
168 100

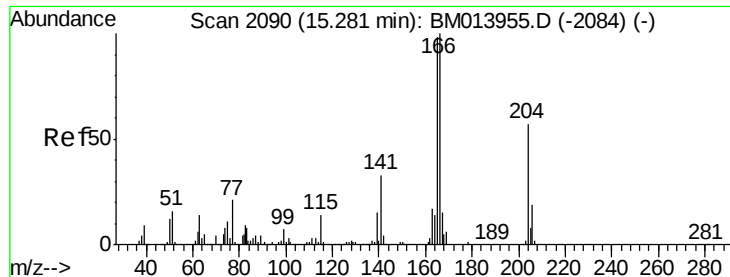
139 38.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 55.764 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

BNA_M

ClientSampleId :

F6B51DL

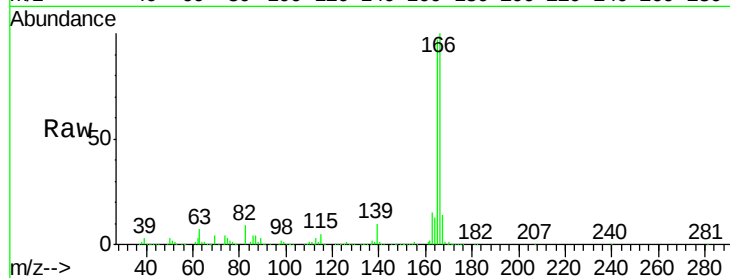
Tot Ion:166 Resp: 1169378

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

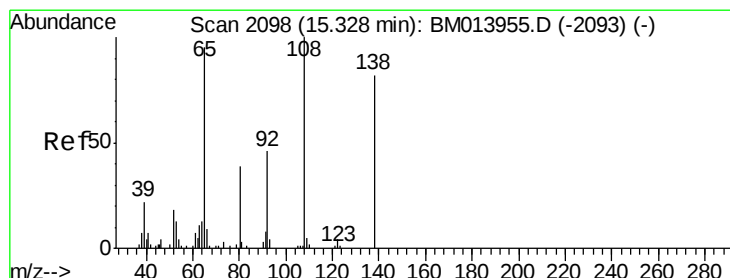
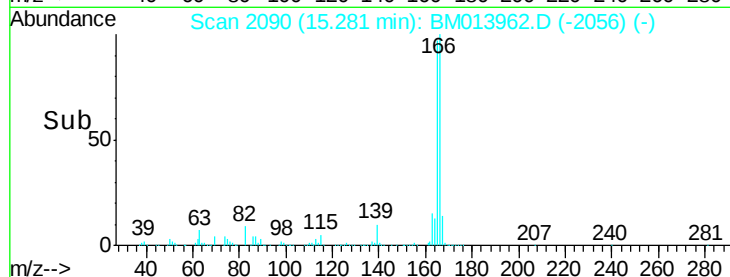
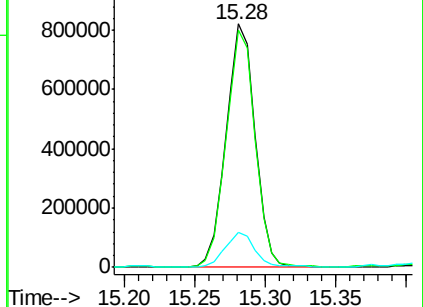
167 14.3 10.6 16.0



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: 4.019 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.05 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

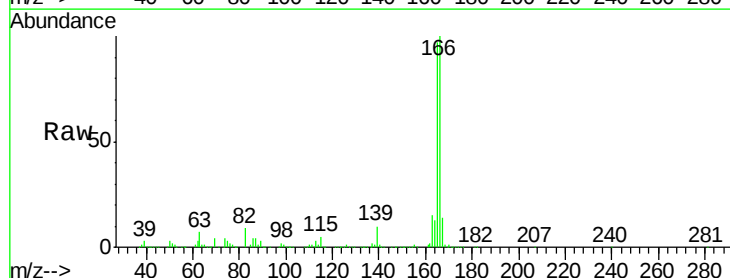
Tgt Ion:138 Resp: 14838

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

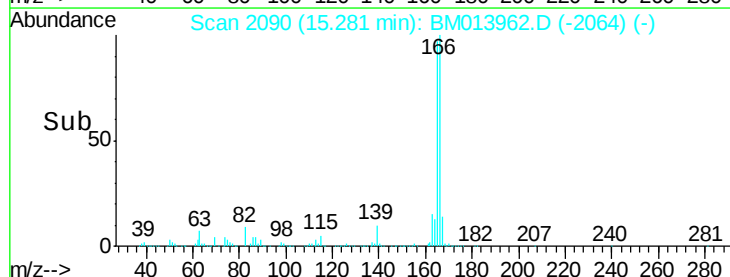
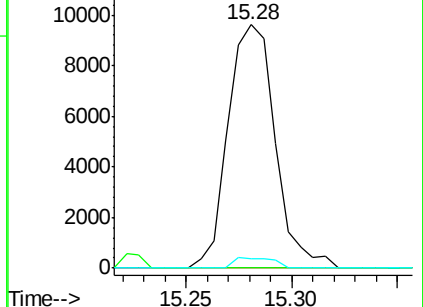
108 3.9 80.0 120.0#

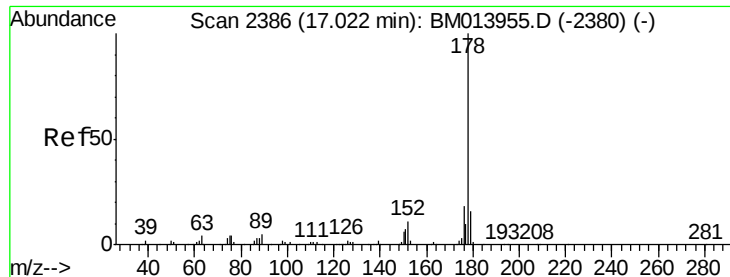


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 176.624 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

BNA_M

ClientSampleId :

F6B51DL

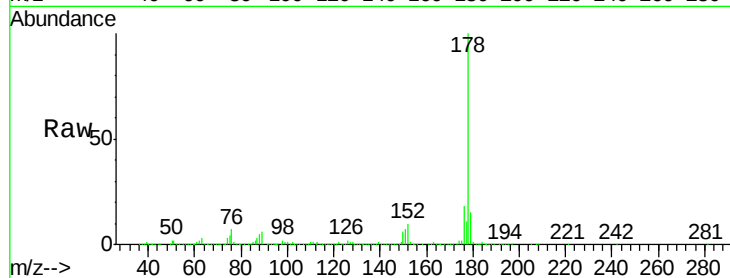
Tot Ion:178 Resp: 5769705

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

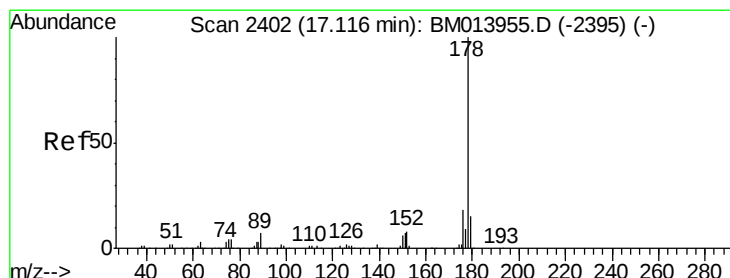
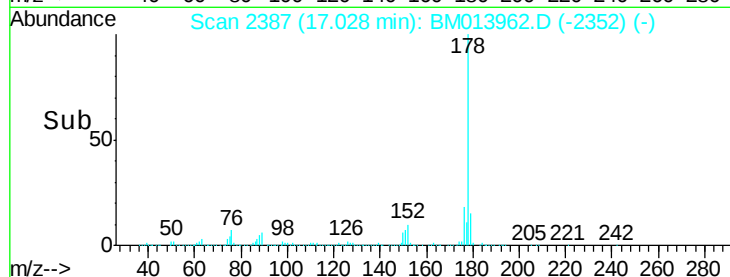
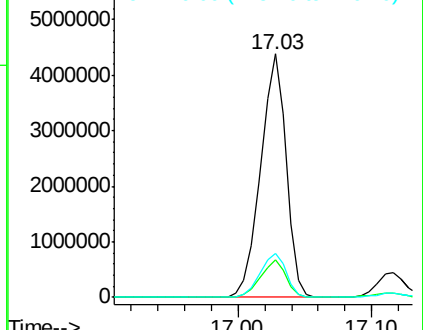
176 18.2 14.9 22.3



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: 19.272 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

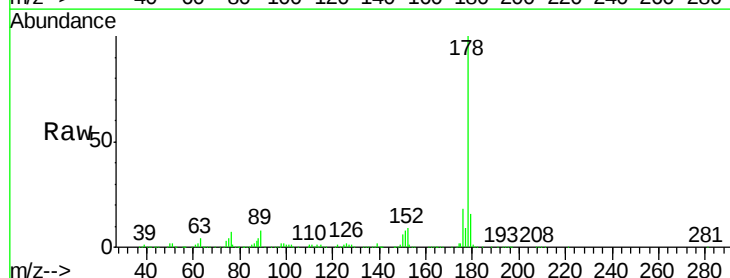
Tgt Ion:178 Resp: 649338

Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

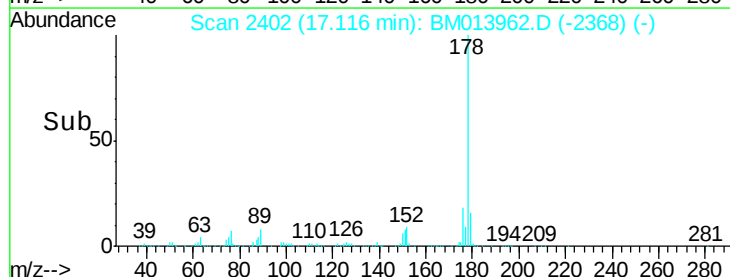
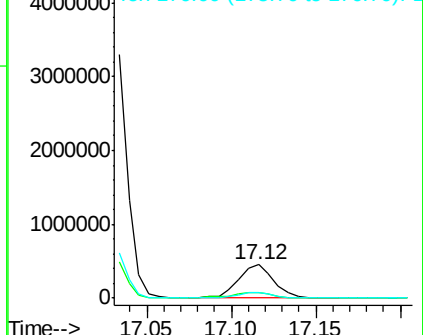
176 18.3 14.6 21.8

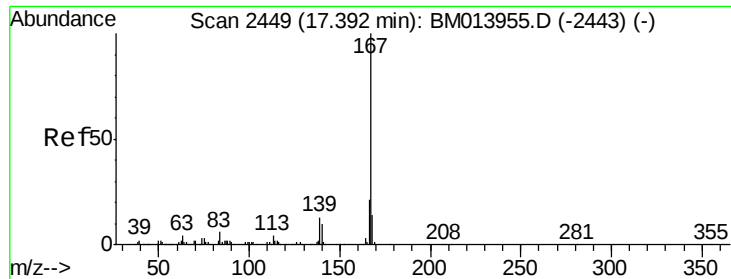


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

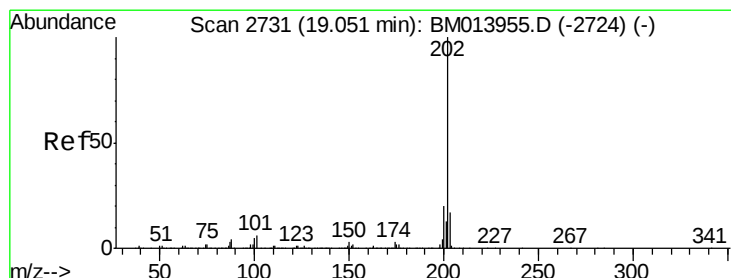
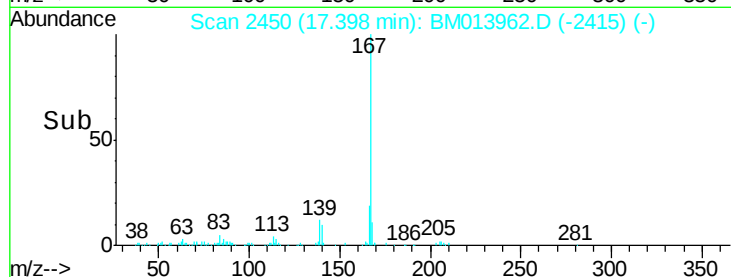
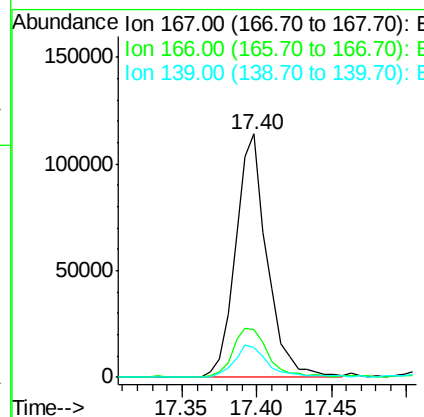
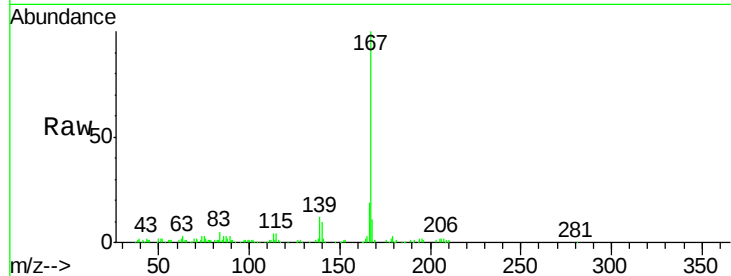




#72
 Carbazole
 Concen: 5.961 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BM013962.D
 Acq: 29 Jan 2018 17:41

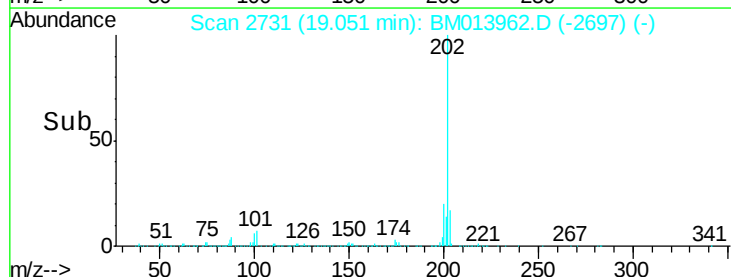
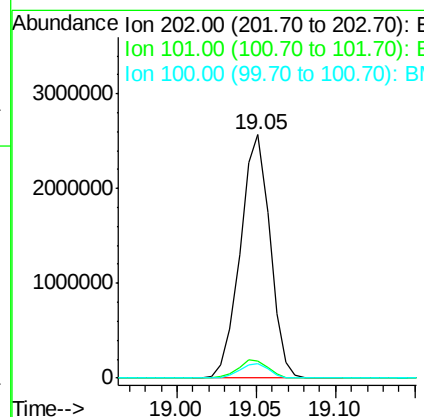
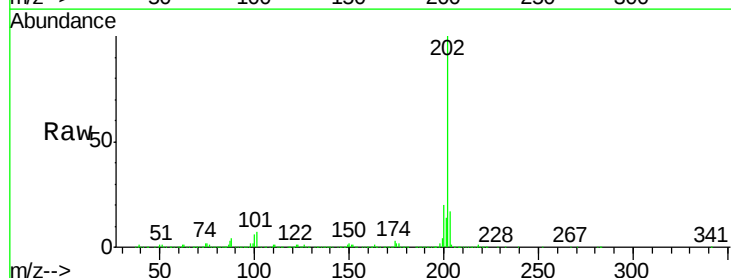
Instrument :
 BNA_M
 ClientSampleId :
 F6B51DL

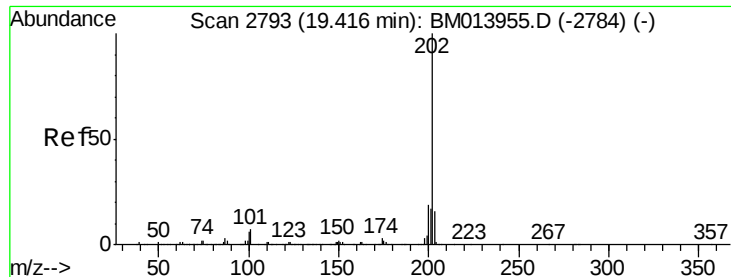
Tot Ion	Ratio	Lower	Upper
167	100		
166	19.5	17.1	25.7
139	12.2	10.0	15.0



#74
 Fluoranthene
 Concen: 85.688 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: BM013962.D
 Acq: 29 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	4.6	7.0#
100	6.0	3.4	5.2#





#77

Pvrene

Concen: 53.775 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

BNA_M

ClientSampleId :

F6B51DL

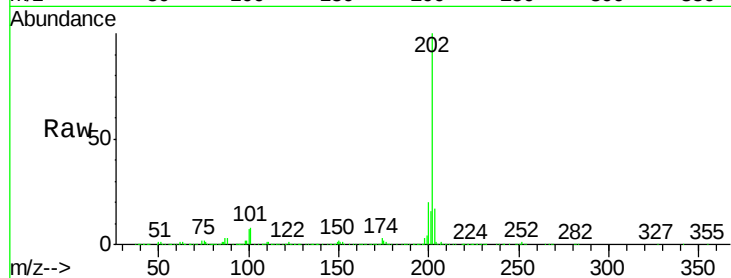
Tot Ion:202 Resp: 2159284

Ion Ratio Lower Upper

202 100

101 7.8 5.1 7.7#

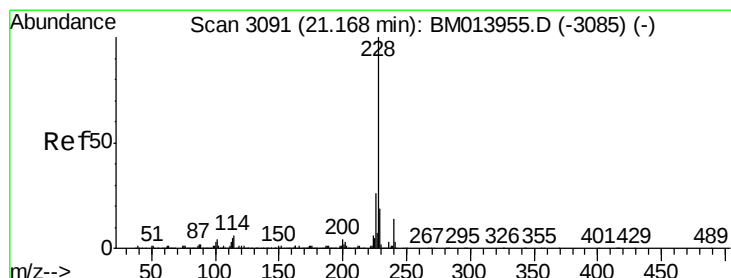
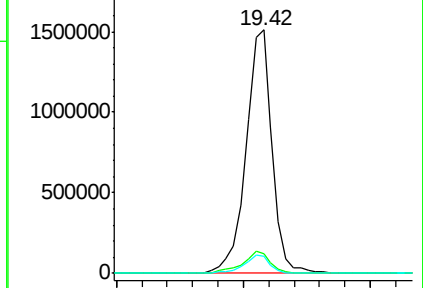
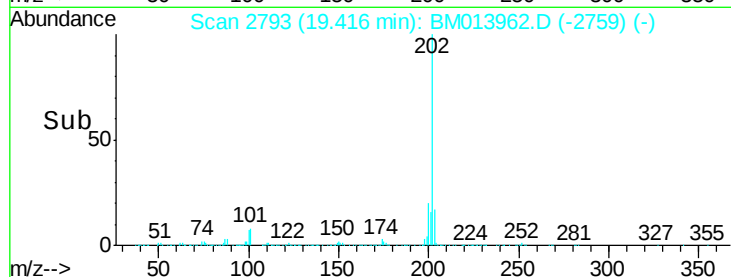
100 7.1 4.9 7.3



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: 11.137 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

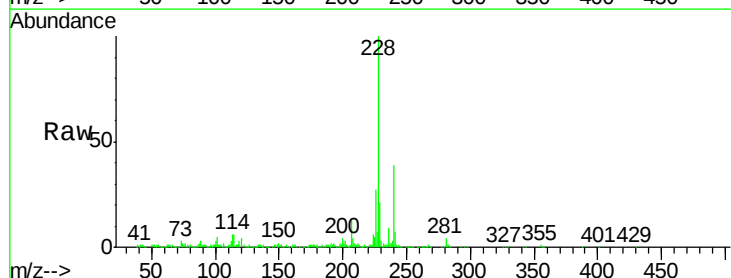
Tgt Ion:228 Resp: 444486

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

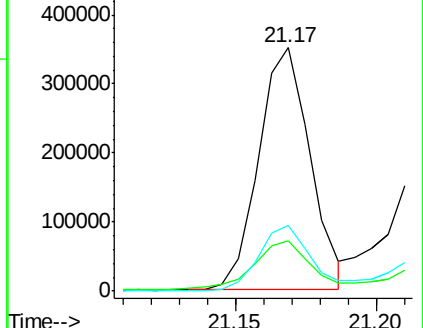
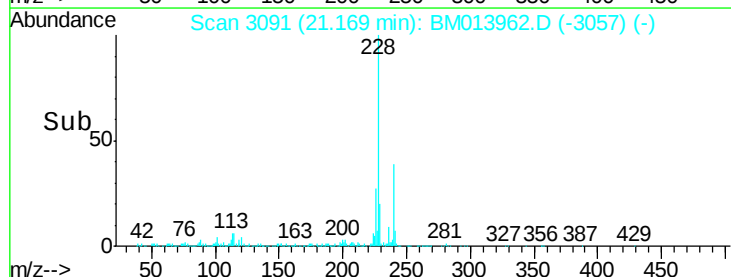
226 27.0 21.4 32.0

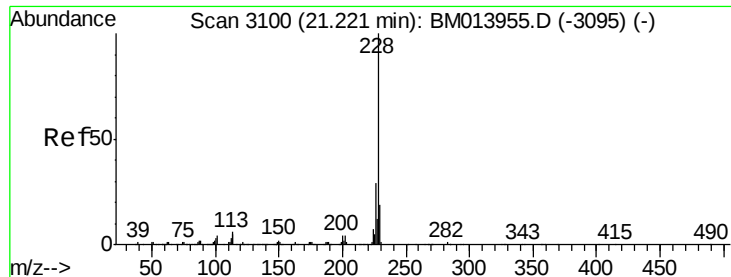


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 10.013 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Instrument :

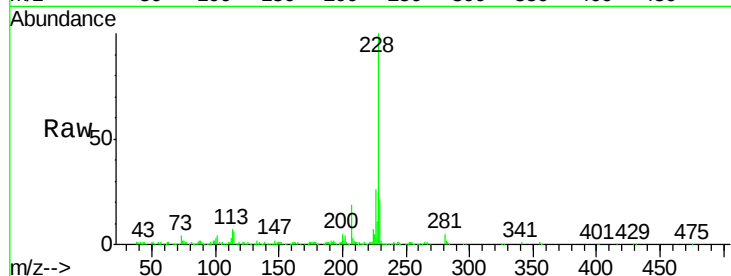
BNA_M

ClientSampleId :

F6B51DL

Tot Ion:228 Resp: 366600

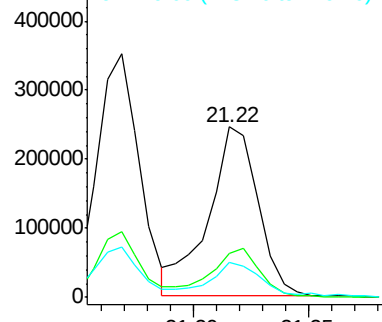
Ion	Ratio	Lower	Upper
228	100		
226	26.1	23.4	35.2
229	20.7	15.5	23.3



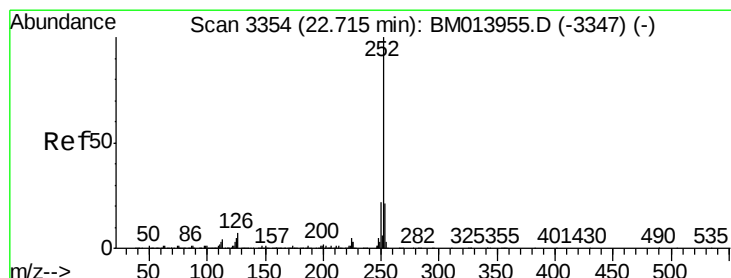
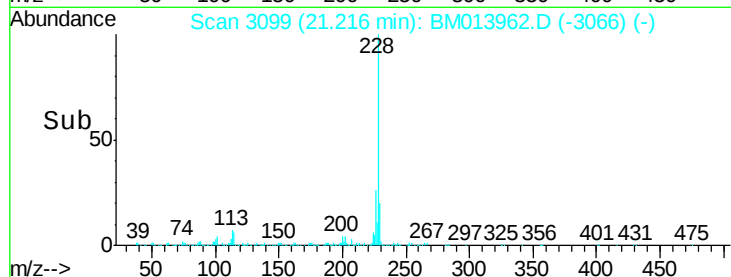
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 5.174 ng/ul

RT: 22.72 min Scan# 3355

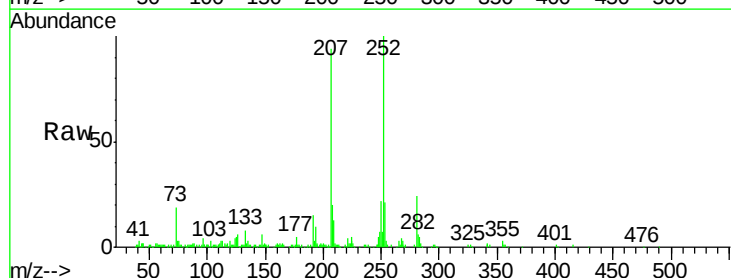
Delta R.T. 0.01 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Tgt Ion:252 Resp: 202157

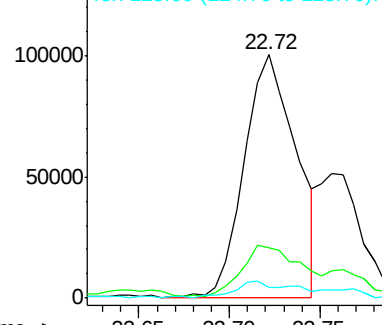
Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.9	26.9
125	4.6	3.6	5.4



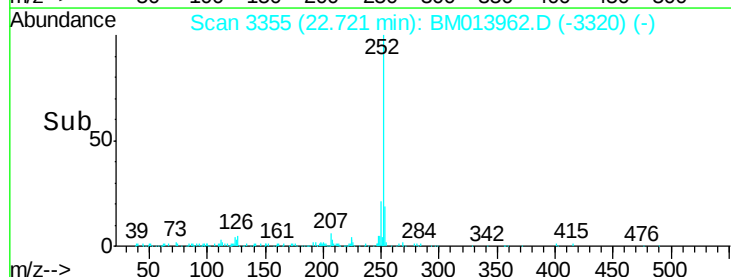
Abundance Ion 252.00 (251.70 to 252.70): E

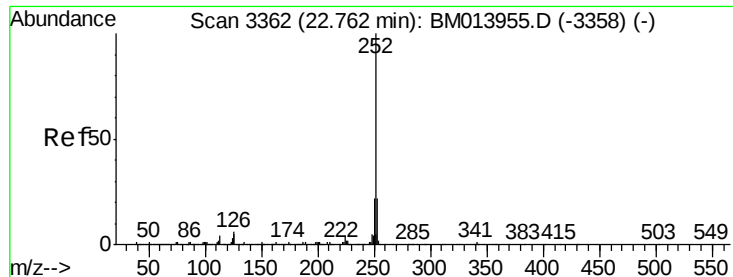
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#86

Benzo(k)fluoranthene

Concen: 5.353 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

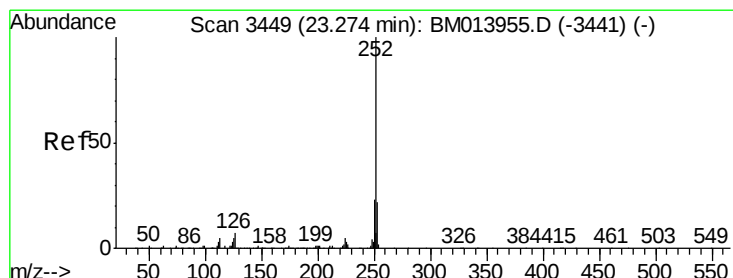
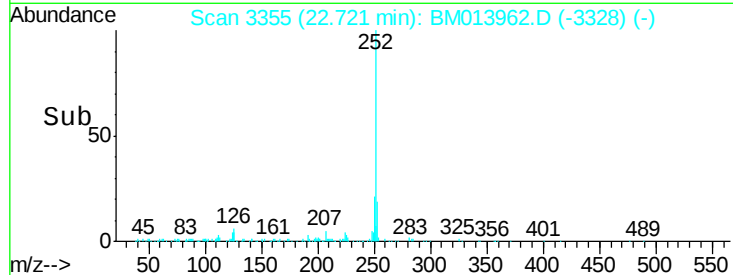
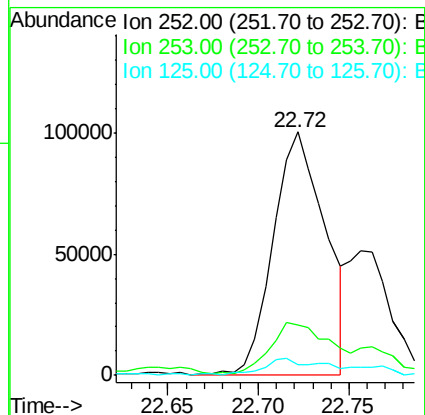
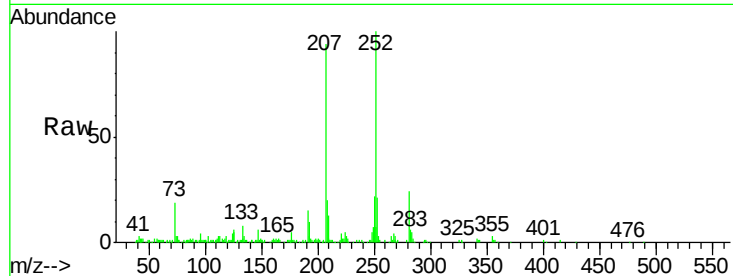
Instrument :

BNA_M

ClientSampleId :

F6B51DL

Tot Ion:252	Resp:	202157
Ion Ratio	Lower	Upper
252	100	
253	20.6	17.1 25.7
125	4.6	3.4 5.2



#88

Benzo(a)pyrene

Concen: 3.027 ng/ul

RT: 23.27 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BM013962.D

Acq: 29 Jan 2018 17:41

Tgt Ion:252	Resp:	111751
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.2 27.2
125	5.6	4.0 6.0

