

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 27 20:54:11 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	132186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	515275	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	303401	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	693765	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	755400	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	770647	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1134	0.34	ng/uL	0.00
5) Phenol-d5	6.79	99	11242	1.11	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	12085	1.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	15292	1.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	12869	1.65	ng/ul	0.02
19) Nitrobenzene-d5	8.82	128	122	0.03	ng/ul	0.08
22) 2-Nitrophenol-d4	9.47	143	7685	1.82	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.03	165	12895	1.58	ng/ul	0.04
29) 4-Chloroaniline-d4	10.47	131	191	0.03	ng/ul	-0.04
43) Dimethylphthalate-d6	13.66	166	58001	2.32	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	73199	2.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	659	0.16	ng/ul	0.00
57) Fluorene-d10	15.24	176	55220	2.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	234	0.06	ng/ul	-0.01
70) Anthracene-d10	17.09	188	84878	2.51	ng/ul	0.00
76) Pyrene-d10	19.39	212	95736	2.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	86841	2.45	ng/ul	0.00

Target Compounds

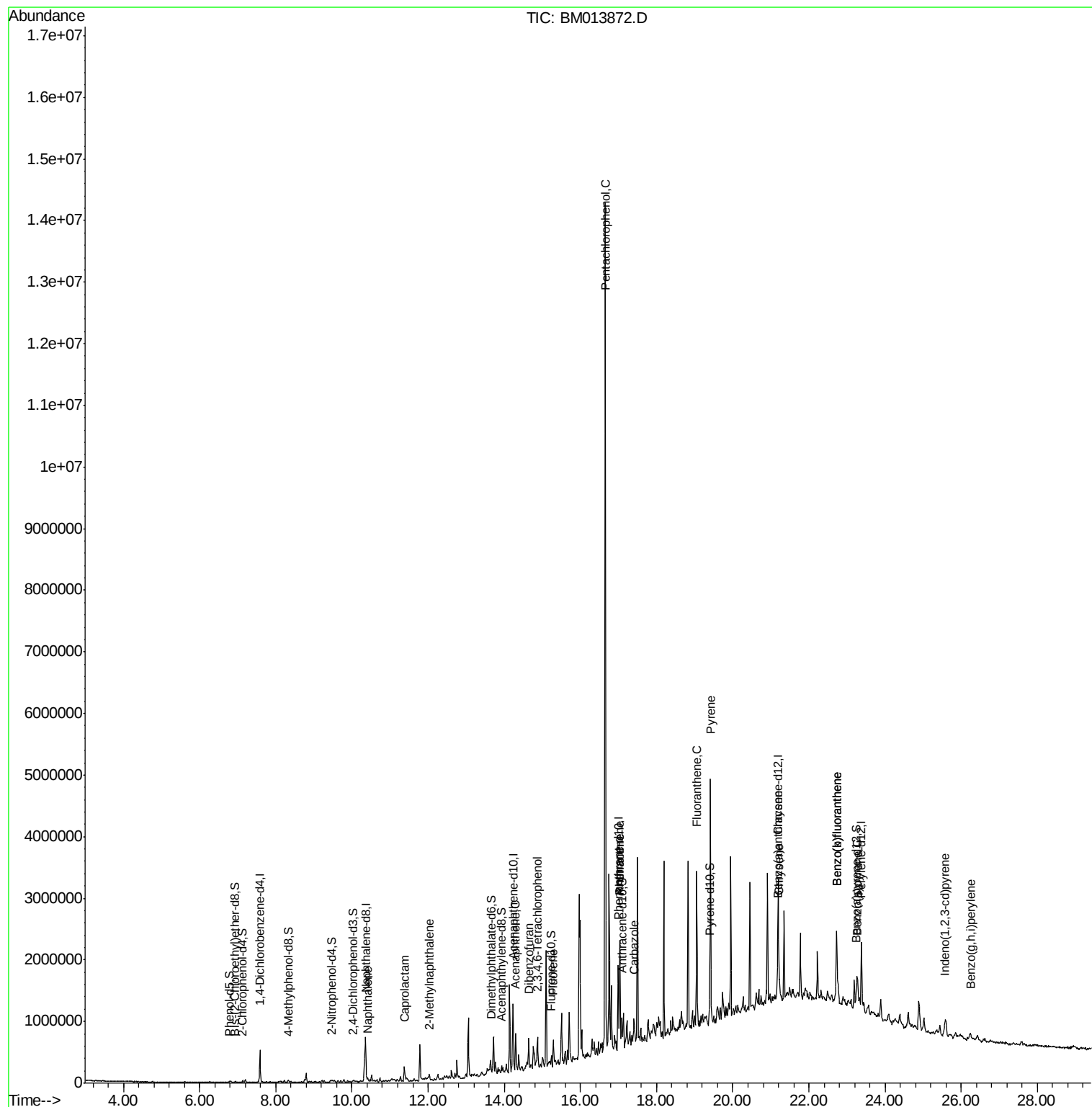
					Ovalue	
28) Naphthalene	10.41	128	40623	1.585	ng/ul	99
32) Caprolactam	11.38	113	9789	4.474	ng/ul	86
34) 2-Methylnaphthalene	12.03	142	46837	2.451	ng/ul	89
49) Acenaphthene	14.30	153	224374	11.104	ng/ul	94
53) Dibenzofuran	14.64	168	189637	6.239	ng/ul	96
55) 2,3,4,6-Tetrachlorophenol	14.87	232	114333	17.952	ng/ul#	89
58) Fluorene	15.29	166	160632	6.451	ng/ul#	96
68) Pentachlorophenol	16.66	266	2332334	497.620	ng/ul	97
69) Phenanthrene	17.03	178	999880	25.928	ng/ul	98
71) Anthracene	17.03	178	1000330	25.149	ng/ul	97
72) Carbazole	17.40	167	51290	1.562	ng/ul#	91
74) Fluoranthene	19.06	202	1409380	30.617	ng/ul#	97
77) Pyrene	19.42	202	1065752	23.207	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	195957	4.293	ng/ul	98
82) Chrysene	21.21	228	120991	2.889	ng/ul	96
85) Benzo(b)fluoranthene	22.73	252	600132	12.680	ng/ul#	96
86) Benzo(k)fluoranthene	22.73	252	600132	13.119	ng/ul#	94
88) Benzo(a)pyrene	23.29	252	207153	4.633	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.57	276	136143	2.580	ng/ul#	91
91) Benzo(g,h,i)perylene	26.24	276	122328	2.816	ng/ul#	89

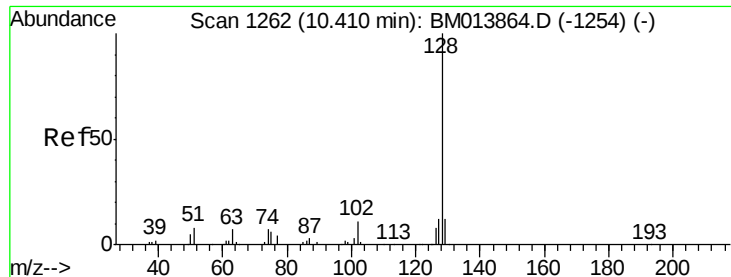
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#28

Naphthalene

Concen: 1.585 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampleId :

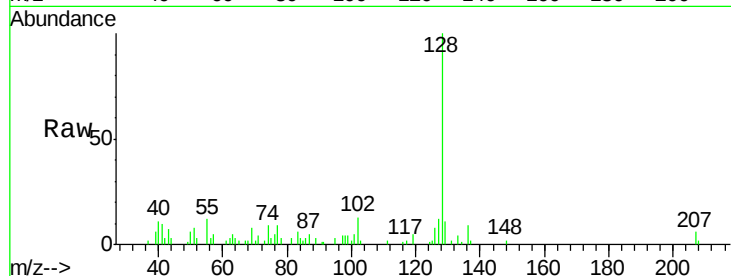
Tot Ion:128 Resp: 40623

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

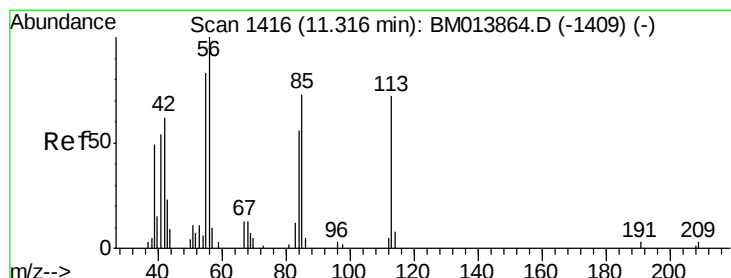
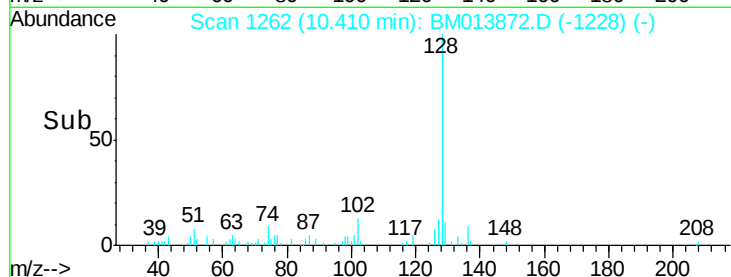
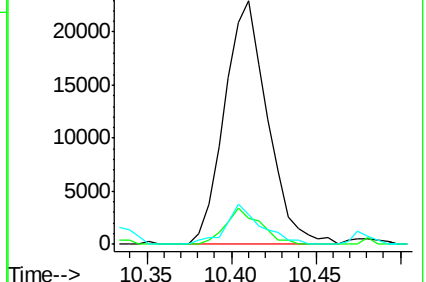
127 12.4 10.6 16.0



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



#32

Caprolactam

Concen: 4.474 ng/ul

RT: 11.38 min Scan# 1427

Delta R.T. 0.06 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

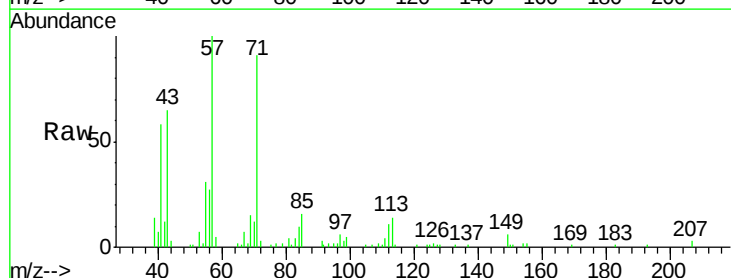
Tgt Ion:113 Resp: 9789

Ion Ratio Lower Upper

113 100

55 221.1 208.0 312.0

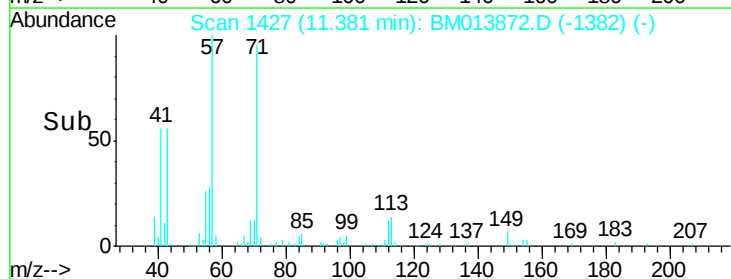
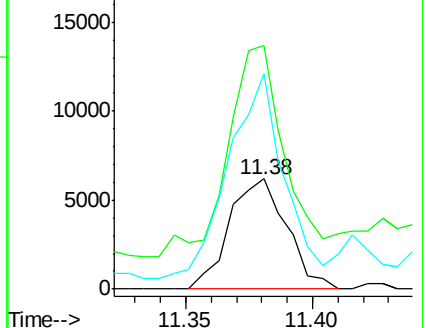
56 195.2 160.0 240.0

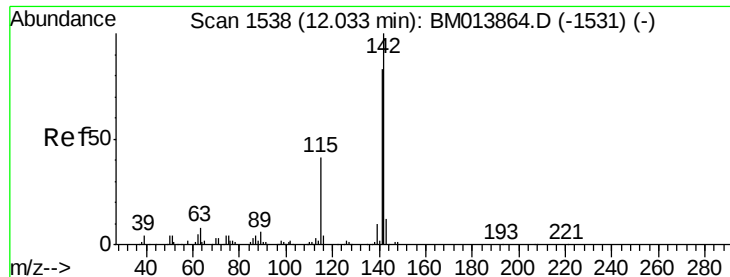


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

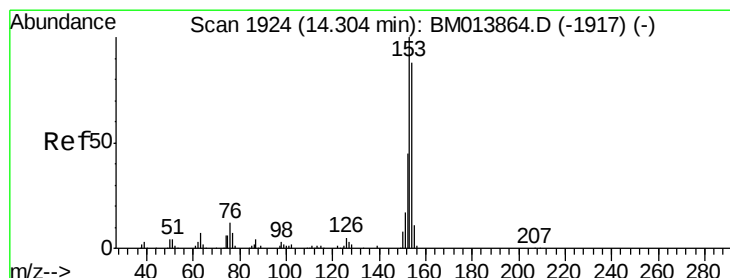
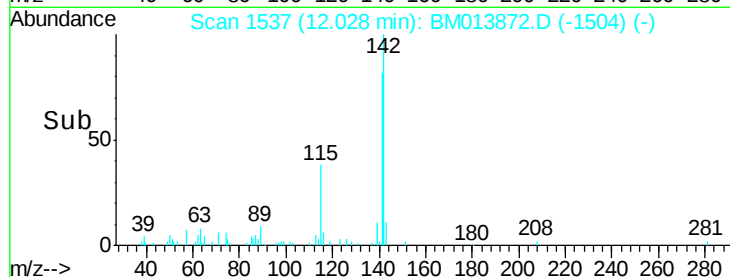
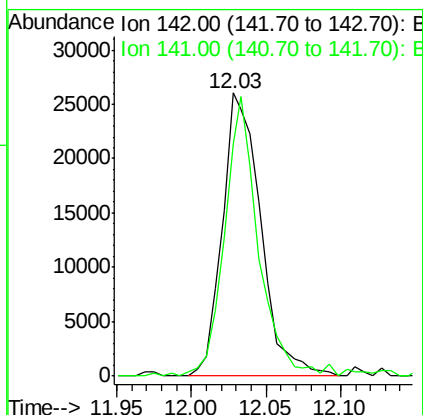
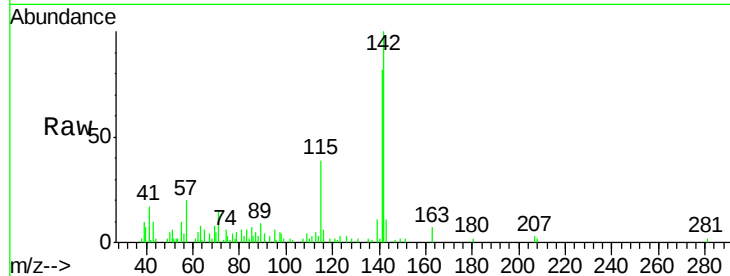




#34
2-Methylnaphthalene
Concen: 2.451 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BM013872.D
Acq: 27 Jan 2018 07:57

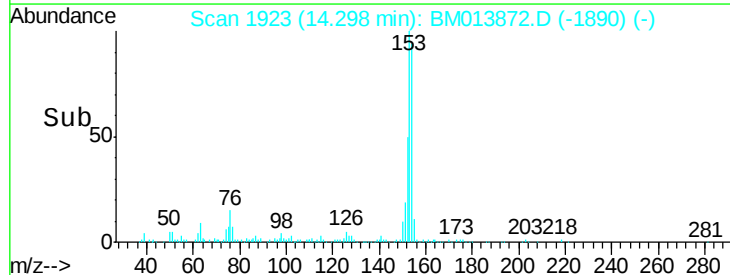
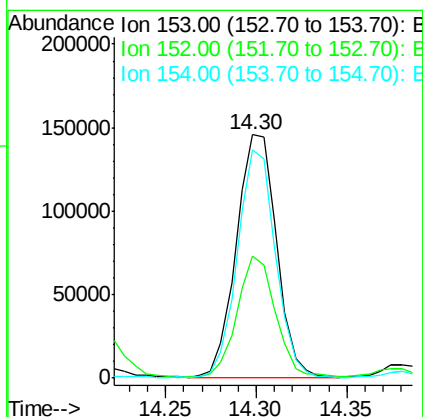
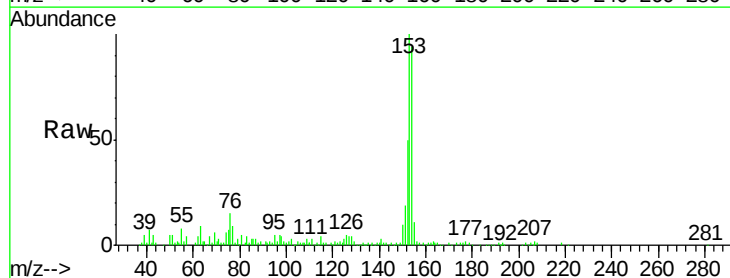
Instrument :
BNA_M
ClientSampleId :

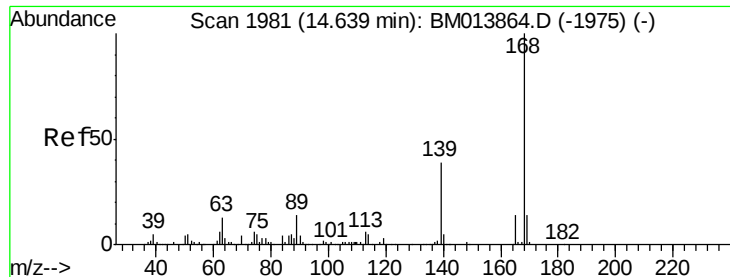
Tot Ion:142 Resp: 46837
Ion Ratio Lower Upper
142 100
141 82.1 74.1 111.1



#49
Acenaphthene
Concen: 11.104 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM013872.D
Acq: 27 Jan 2018 07:57

Tgt Ion:153 Resp: 224374
Ion Ratio Lower Upper
153 100
152 50.3 37.6 56.4
154 93.7 70.4 105.6





#53

Dibenzofuran

Concen: 6.239 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

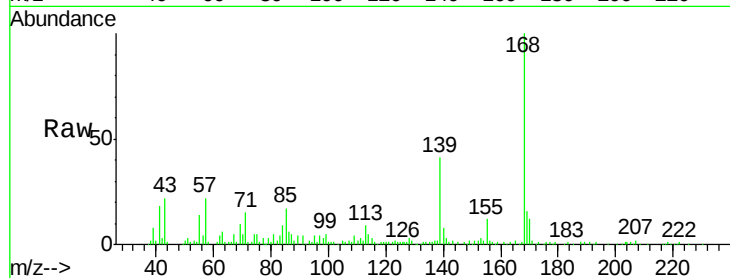
ClientSampled :

Tot Ion:168 Resp: 189637

Ion Ratio Lower Upper

168 100

139 41.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.64

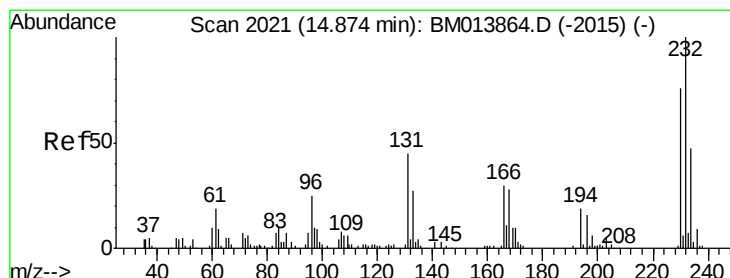
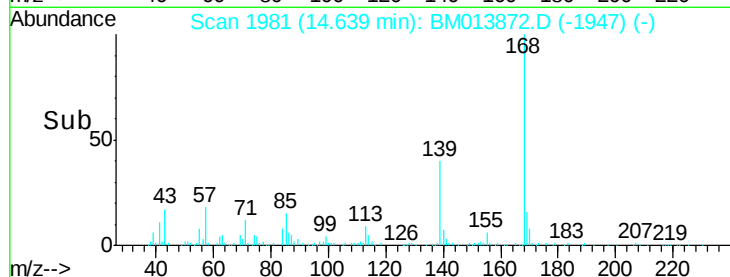
150000

100000

50000

0

Time-->



#55

2,3,4,6-Tetrachlorophenol

Concen: 17.952 ng/ul

RT: 14.87 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Tgt Ion:232 Resp: 114333

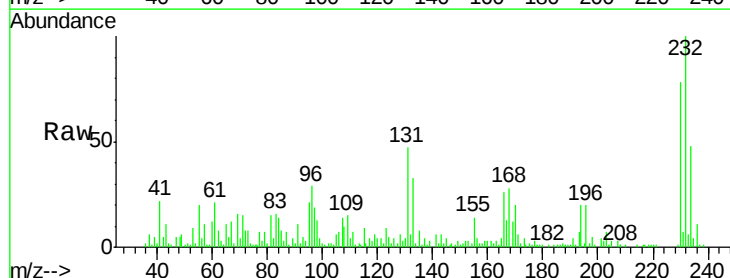
Ion Ratio Lower Upper

232 100

131 46.9 29.0 43.4#

130 4.3 2.0 3.0#

166 25.8 21.4 32.2



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

14.87

80000

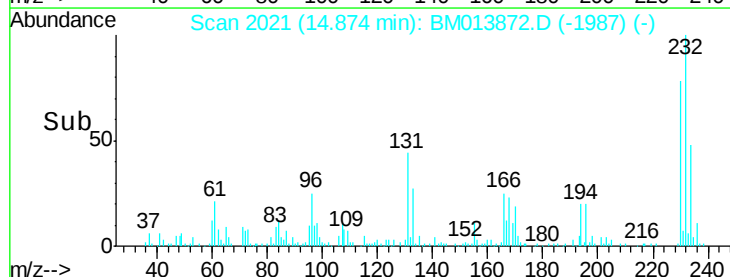
60000

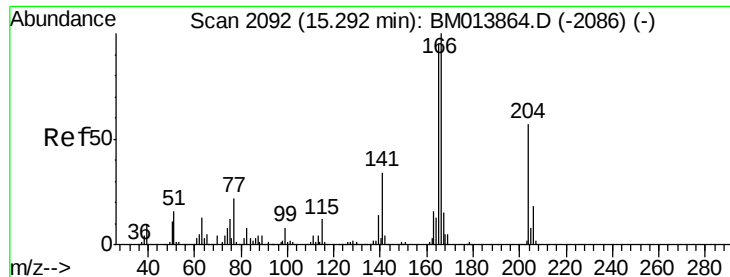
40000

20000

0

Time-->





#58

Fluorene

Concen: 6.451 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampleId :

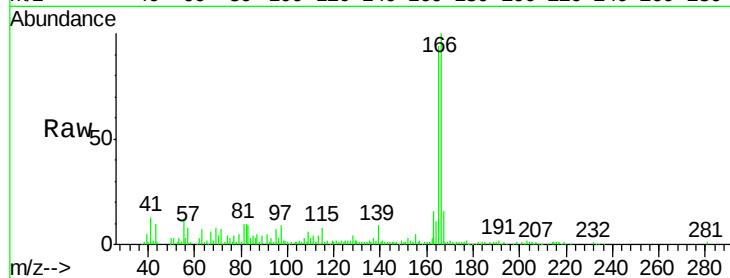
Tot Ion:166 Resp: 160632

Ion Ratio Lower Upper

166 100

165 93.9 77.9 116.9

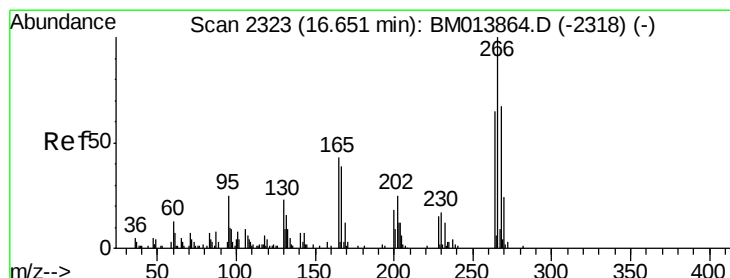
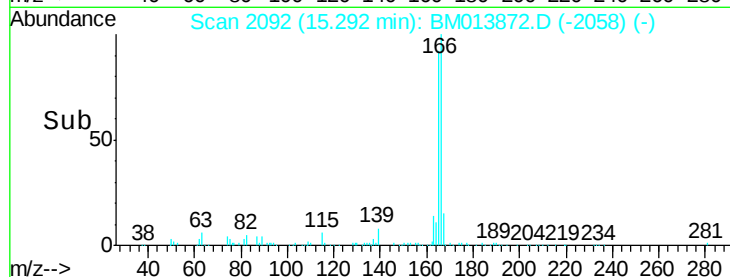
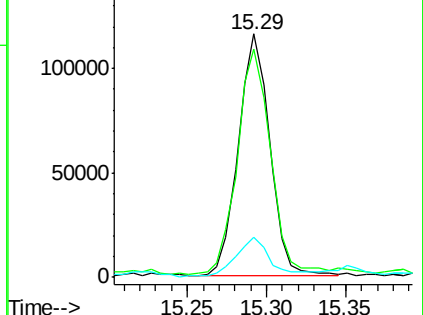
167 16.3 10.6 16.0#



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



#68

Pentachlorophenol

Concen: 497.620 ng/ul

RT: 16.66 min Scan# 2324

Delta R.T. 0.01 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

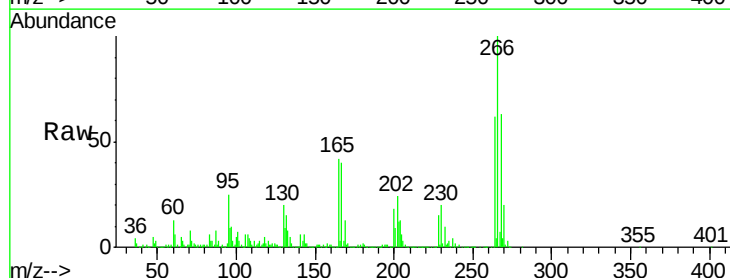
Tgt Ion:266 Resp: 2332334

Ion Ratio Lower Upper

266 100

264 62.4 49.3 73.9

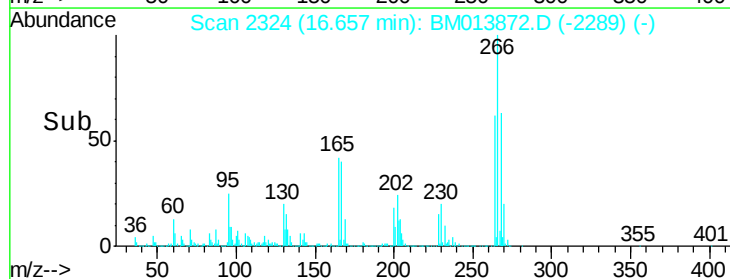
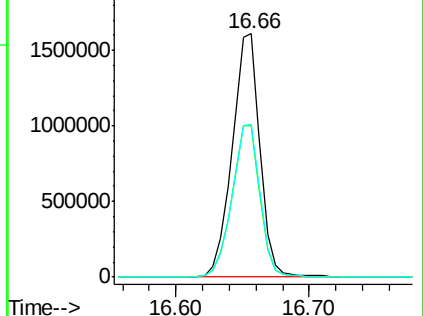
268 62.6 52.6 78.8

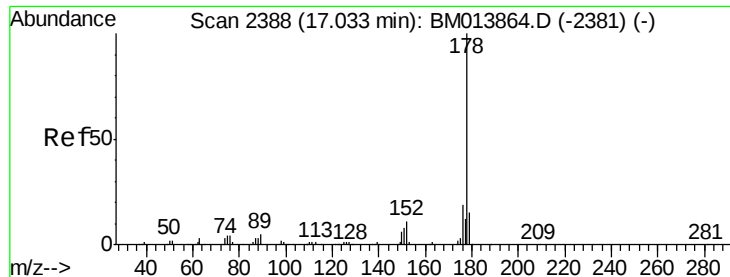


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 25.928 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampled :

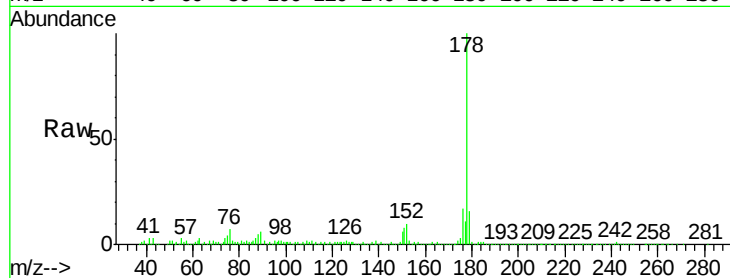
Tot Ion:178 Resp: 999880

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

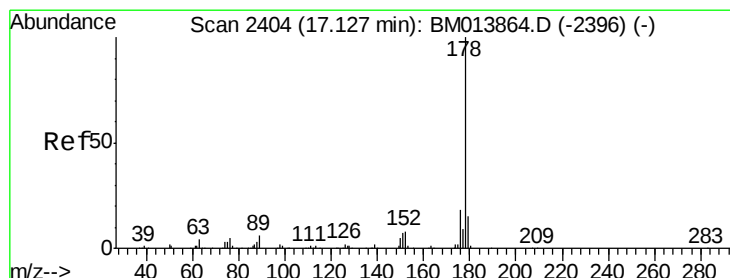
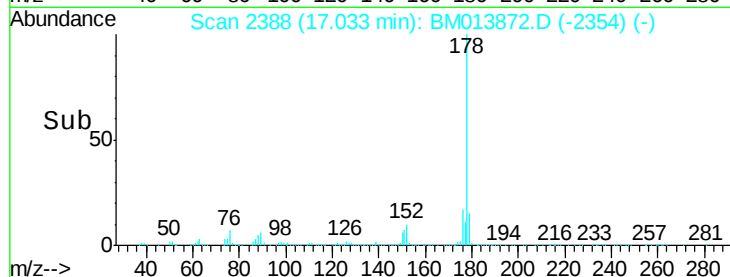
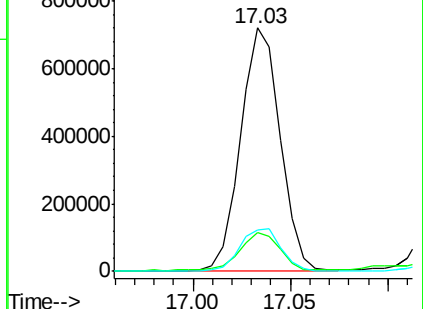
176 17.1 14.9 22.3



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: 25.149 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. -0.09 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

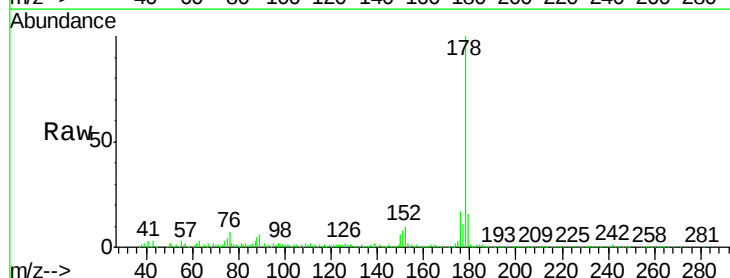
Tgt Ion:178 Resp: 1000330

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

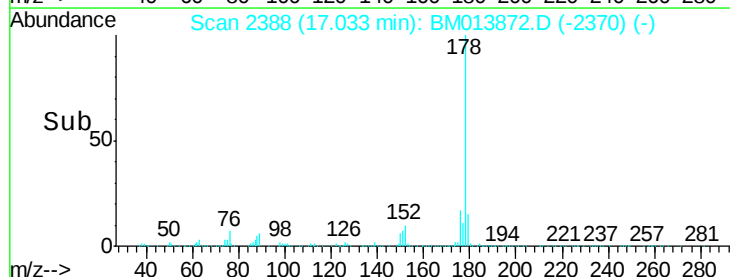
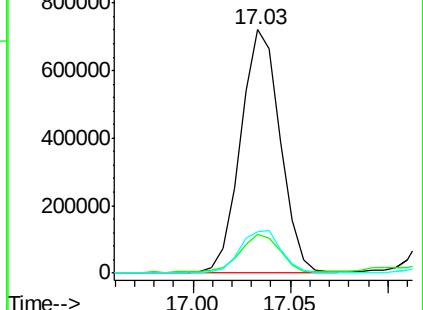
176 17.1 14.6 21.8

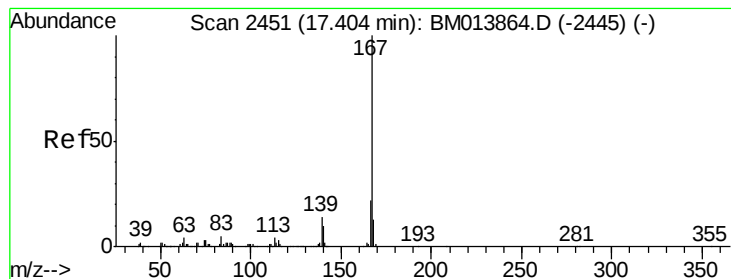


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.562 ng/ul

RT: 17.40 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

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ClientSampleId :

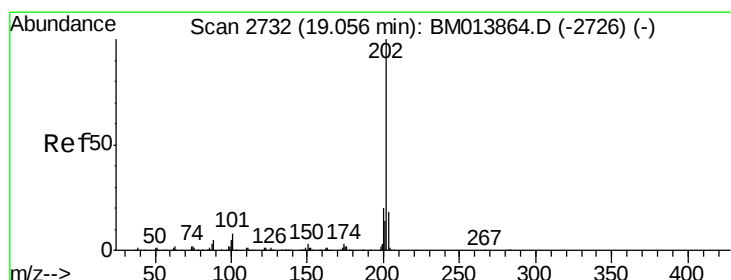
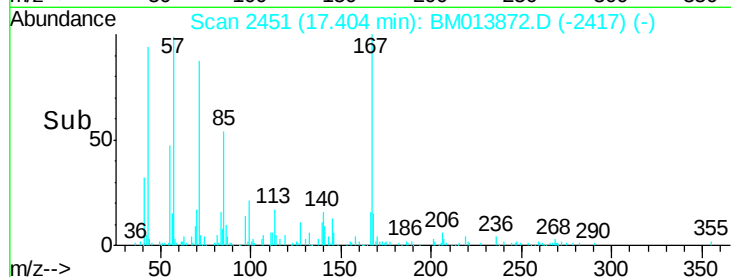
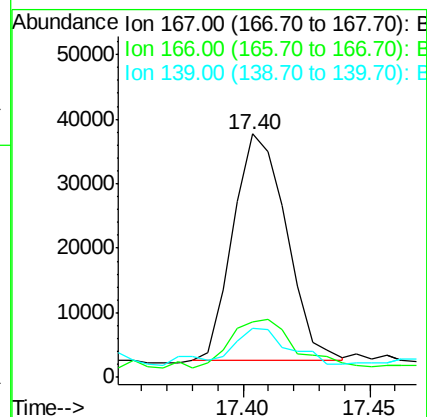
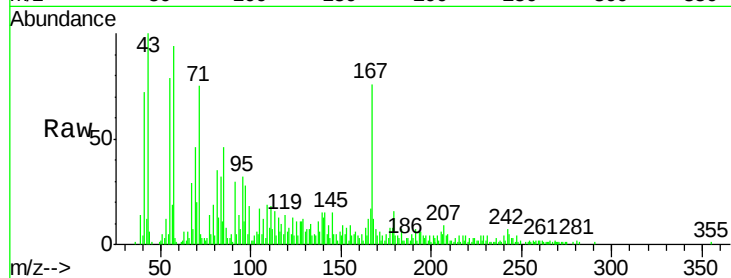
Tot Ion:167 Resp: 51290

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

139 20.2 10.0 15.0#



#74

Fluoranthene

Concen: 30.617 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

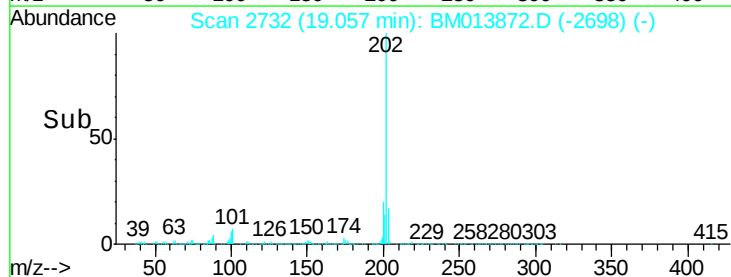
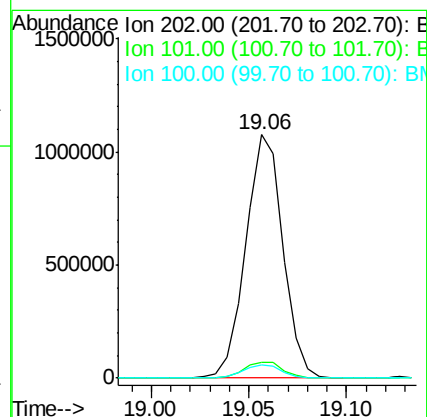
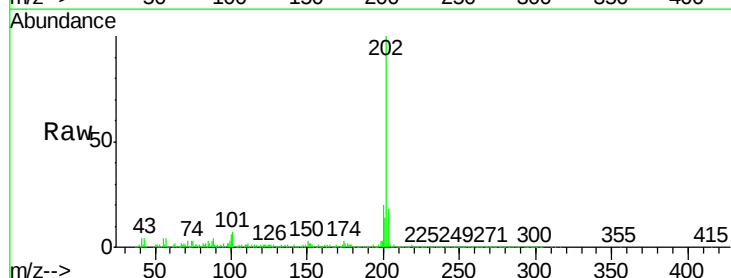
Tgt Ion:202 Resp: 1409380

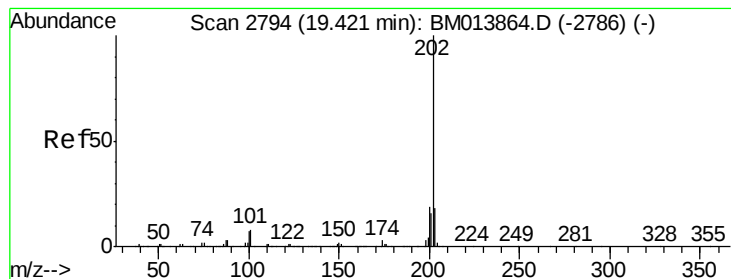
Ion Ratio Lower Upper

202 100

101 6.7 4.6 7.0

100 5.5 3.4 5.2#





#77

Pvrene

Concen: 23.207 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampleId :

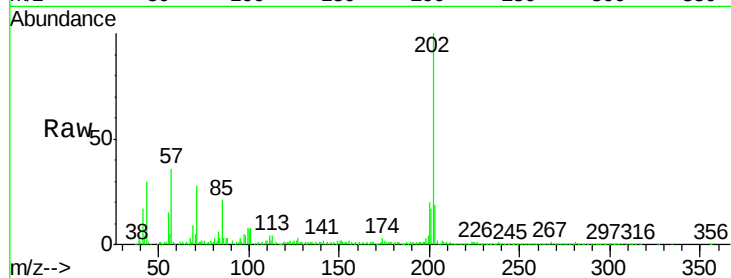
Tot Ion:202 Resp: 1065752

Ion Ratio Lower Upper

202 100

101 8.2 5.1 7.7#

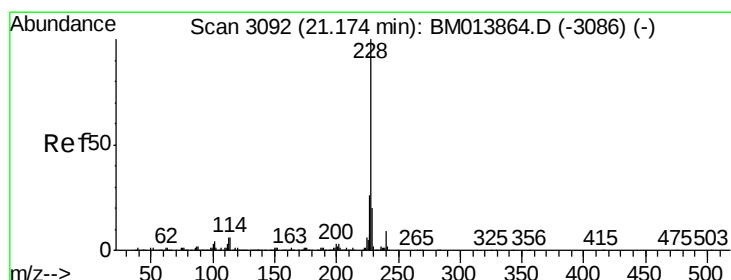
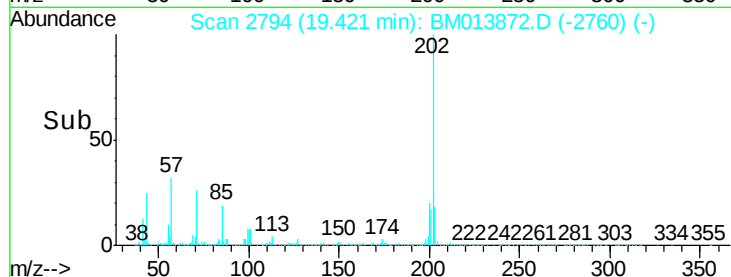
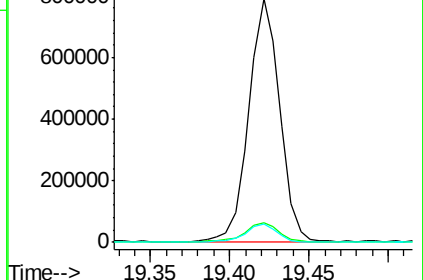
100 7.4 4.9 7.3#



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: 4.293 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

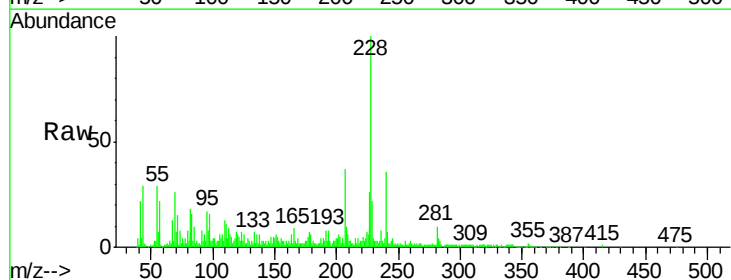
Tgt Ion:228 Resp: 195957

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.0

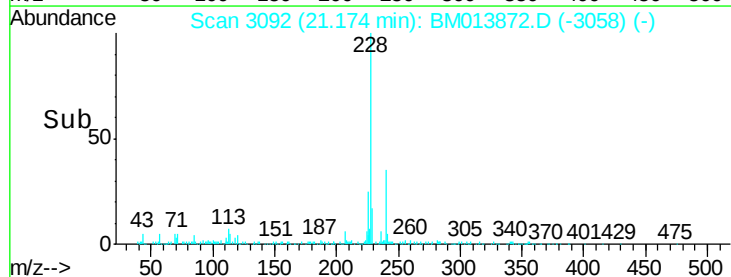
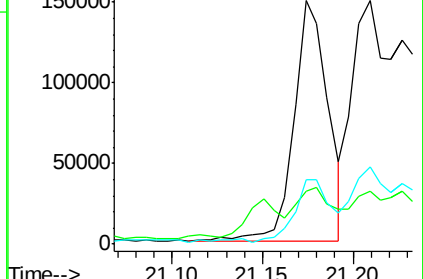
226 26.5 21.4 32.0

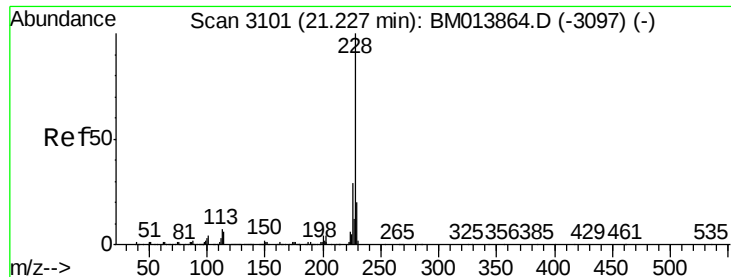


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.889 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampleId :

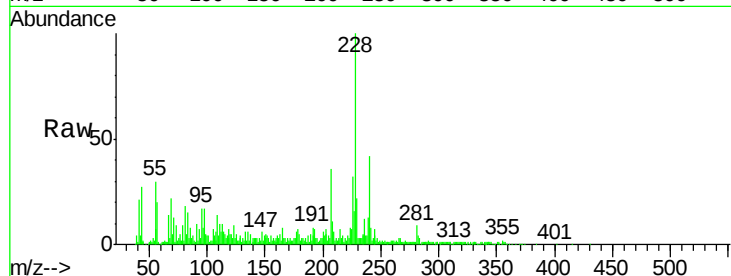
Tot Ion:228 Resp: 120991

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.4	35.2
229	21.5	15.5	23.3

228 100

226 31.5 23.4 35.2

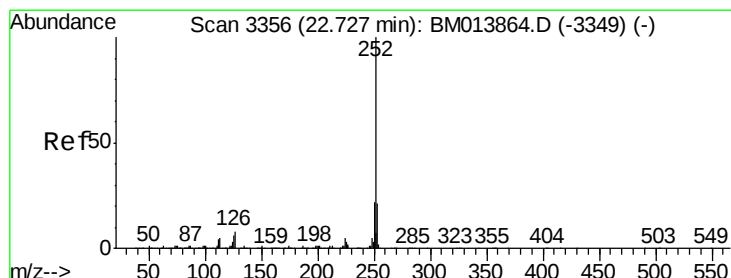
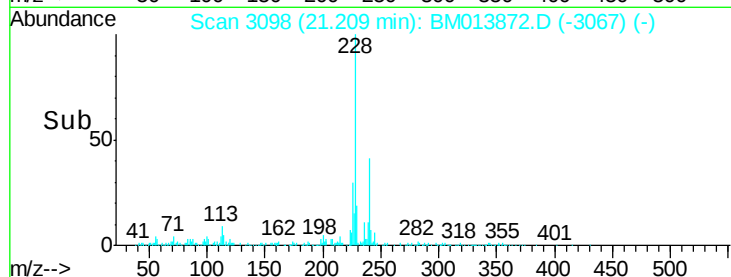
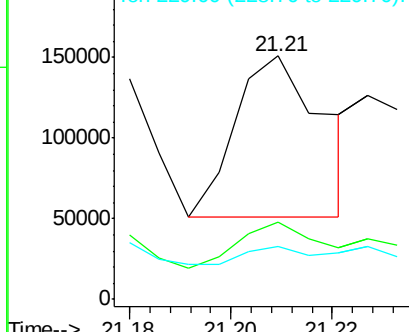
229 21.5 15.5 23.3



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: 12.680 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

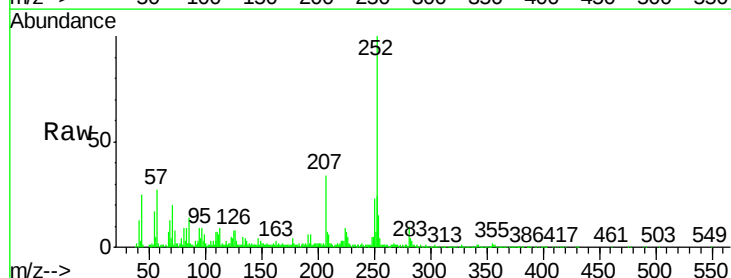
Tgt Ion:252 Resp: 600132

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	8.2	3.6	5.4

252 100

253 23.8 17.9 26.9

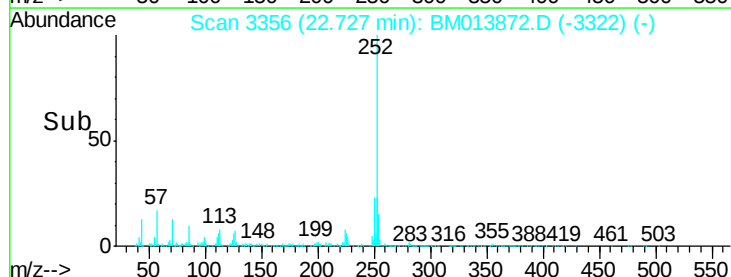
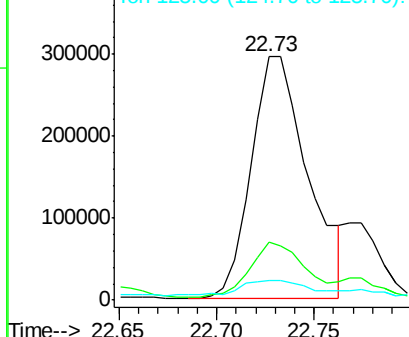
125 8.2 3.6 5.4

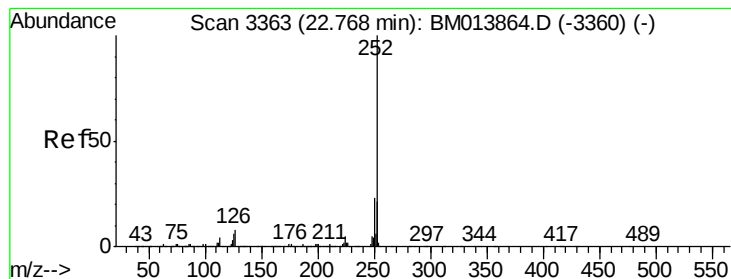


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 13.119 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.04 min

Lab File: BM013872.D

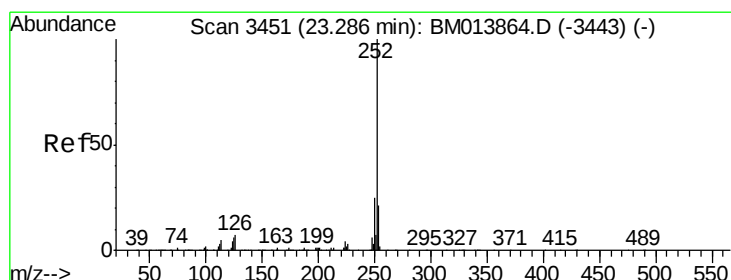
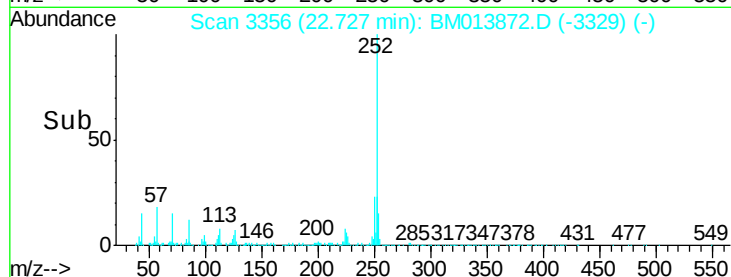
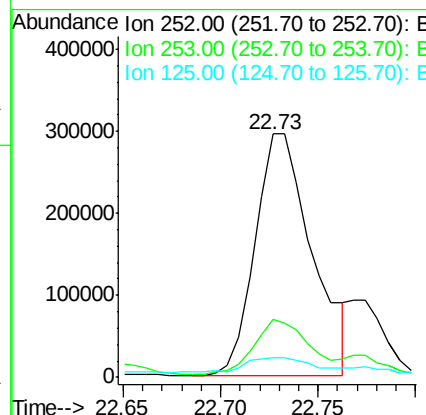
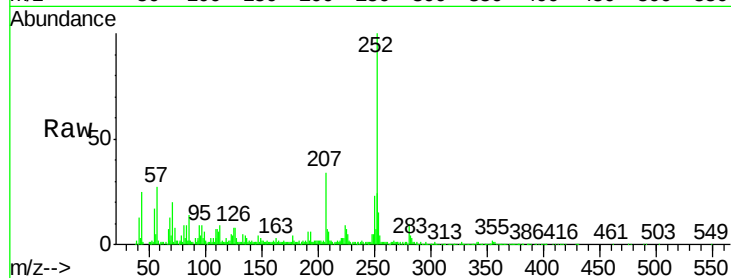
Acq: 27 Jan 2018 07:57

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	600132
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.1 25.7
125	8.2	3.4 5.2#



#88

Benzo(a)pyrene

Concen: 4.633 ng/ul

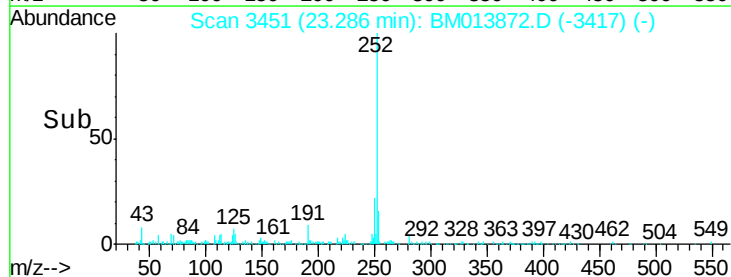
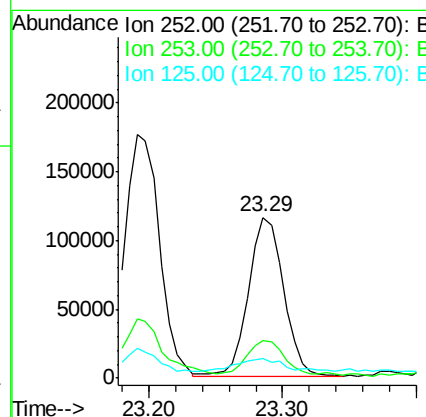
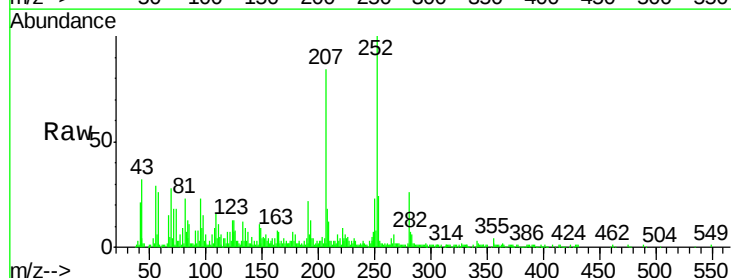
RT: 23.29 min Scan# 3451

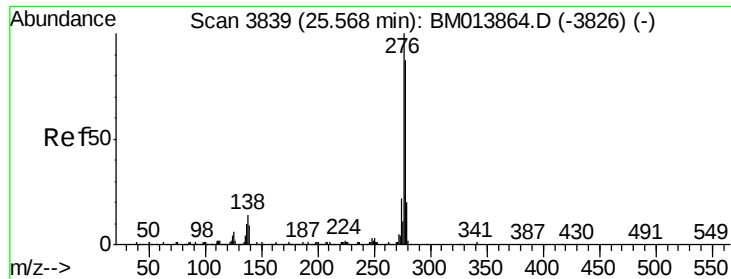
Delta R.T. 0.00 min

Lab File: BM013872.D

Acq: 27 Jan 2018 07:57

Tgt Ion:252	Resp:	207153
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.2 27.2
125	12.5	4.0 6.0#



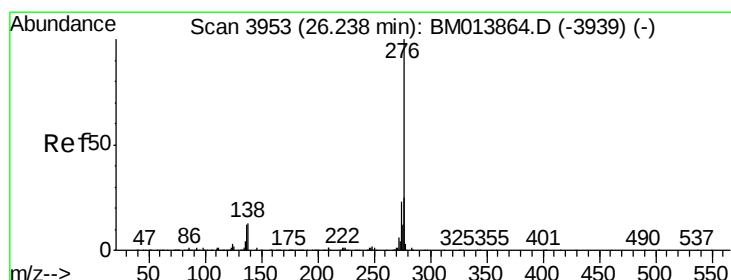
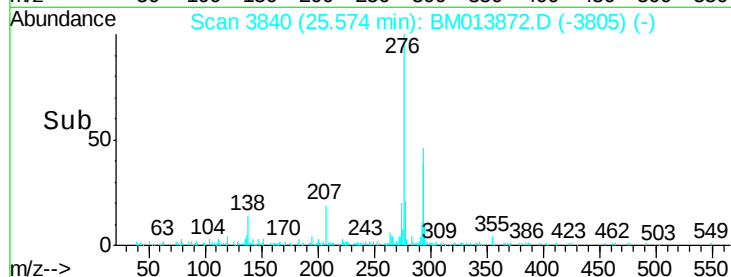
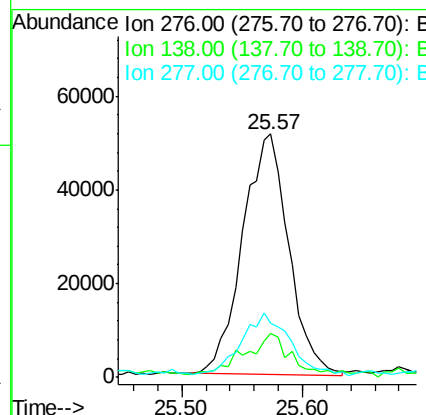
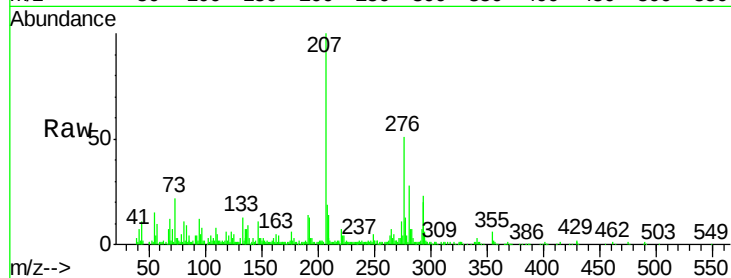


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.580 ng/ul
RT: 25.57 min Scan# 3840
Delta R.T. 0.01 min
Lab File: BM013872.D
Acq: 27 Jan 2018 07:57

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	9.3	13.9#
277	22.3	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 2.816 ng/ul
RT: 26.24 min Scan# 3954
Delta R.T. 0.01 min
Lab File: BM013872.D
Acq: 27 Jan 2018 07:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	8.5	12.7#
277	28.3	18.6	28.0#

