

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013326.D
 Acq On : 12 Dec 2017 04:19
 Operator : SJ/JU
 Sample : I6759-11 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 06:18:22 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	274539	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1148997	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	644347	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	681584	20.00	ng/ul	0.02
75) Chrysene-d12	21.29	240	1512046	20.00	ng/ul	0.02
83) Perylene-d12	23.50	264	1170924	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	2473	0.45	ng/uL	0.00
5) Phenol-d5	6.87	99	64218	2.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	38777	2.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	52772	2.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	58026	2.86	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	31179	3.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	30336	3.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	57792	2.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	65055	3.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	185353	3.23	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	230200	3.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	40456	4.06	ng/ul	0.01
57) Fluorene-d10	15.33	176	157792	3.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	164674	38.41	ng/ul	0.02
70) Anthracene-d10	17.22	188	249314	7.30	ng/ul	0.04
76) Pyrene-d10	19.51	212	302204	4.01	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.36	264	187352	3.14	ng/ul	0.01

Target Compounds

					Ovalue	
30) 4-Chloroaniline	10.54	127	4234945	236.834	ng/ul#	15
34) 2-Methylnaphthalene	12.15	142	10560685	237.650	ng/ul	95
39) 2,4,5-Trichlorophenol	12.83	196	18864	1.225	ng/ul#	88
40) 1,1'-Biphenyl	13.16	154	1529845	28.093	ng/ul	98
47) Acenaphthylene	14.05	152	567145	8.661	ng/ul#	90
49) Acenaphthene	14.41	153	16589326	371.908	ng/ul	92
53) Dibenzofuran	14.74	168	14711090	223.401	ng/ul#	86
55) 2,3,4,6-Tetrachlorophenol	14.97	232	580867	41.146	ng/ul#	86
58) Fluorene	15.40	166	13402716	246.029	ng/ul	97
60) 4-Nitroaniline	15.40	138	153584	13.020	ng/ul#	15
63) 4,6-Dinitro-2-methylphenol	15.47	198	463392	108.150	ng/ul#	60
64) N-Nitrosodiphenylamine	15.60	169	559111	27.847	ng/ul#	78
67) Atrazine	16.59	200	15572	2.101	ng/ul#	50
69) Phenanthrene	17.30	178	199352	5.148	ng/ul#	1
71) Anthracene	17.30	178	199352	5.037	ng/ul#	1
72) Carbazole	17.51	167	7726494	226.952	ng/ul	100
74) Fluoranthene	19.10	202	167971	3.540	ng/ul#	45
80) Benzo(a)anthracene	21.27	228	14425649	150.368	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.19	149	141585	2.617	ng/ul	98
82) Chrysene	21.27	228	14425649	162.079	ng/ul	97
85) Benzo(b)fluoranthene	22.85	252	8168305	103.483	ng/ul#	98
86) Benzo(k)fluoranthene	22.89	252	2838340	38.210	ng/ul#	96
88) Benzo(a)pyrene	23.41	252	3199255	45.120	ng/ul#	98

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Misc :
ALS Vial : 29 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration

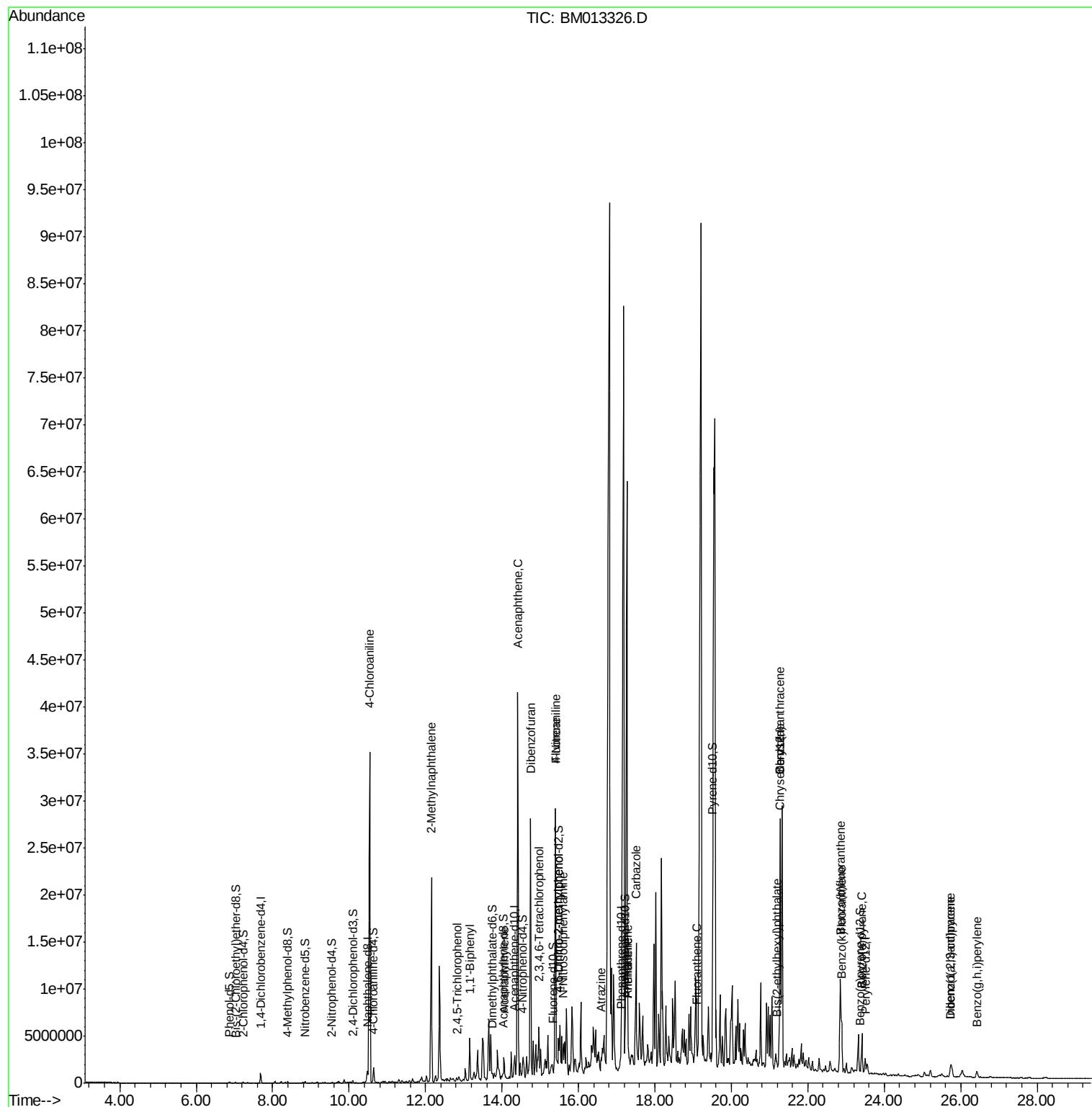
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.74	276	1258521	17.888	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.74	278	359047	5.993	ng/ul#	88
91) Benzo(q,h,i)perylene	26.43	276	915893	16.504	ng/ul#	96

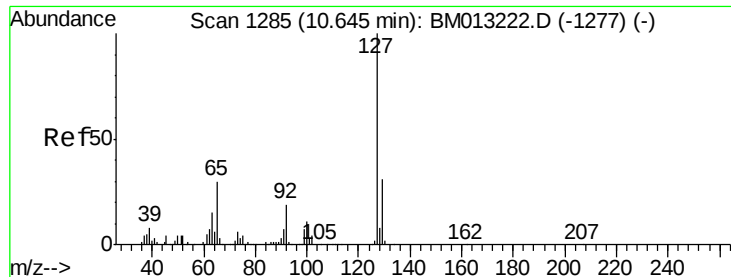
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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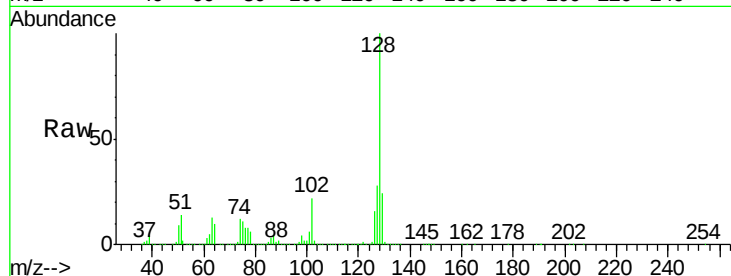




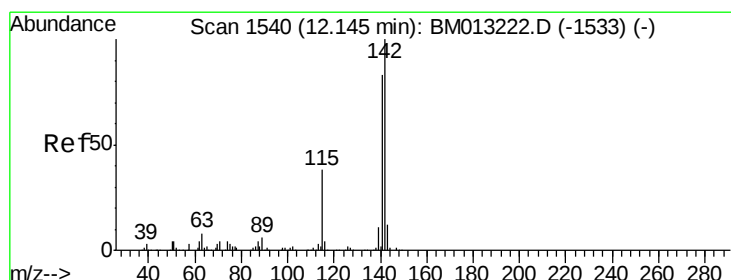
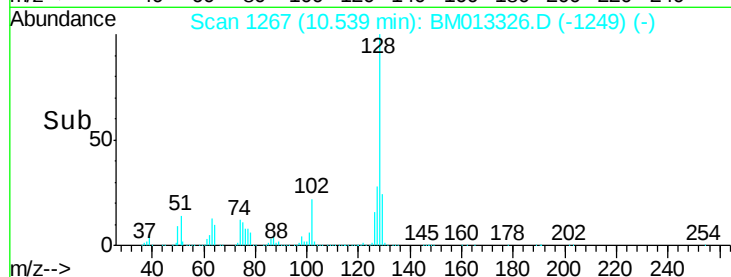
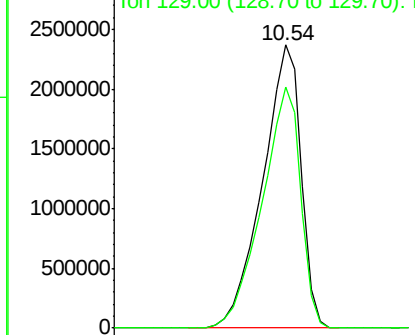
#30
4-Chloroaniline
Concen: 236.834 ng/ul
RT: 10.54 min Scan# 1267
Delta R.T. -0.09 min
Lab File: BM013326.D
Acq: 12 Dec 2017 04:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion:127 Resp: 4234945
Ion Ratio Lower Upper
127 100
129 85.1 28.4 42.6#

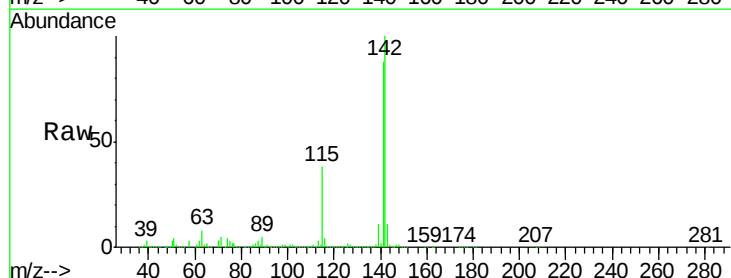


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

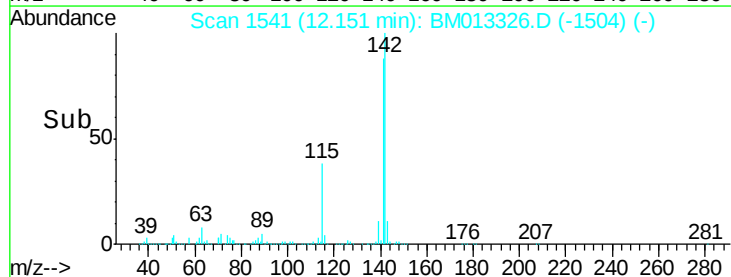
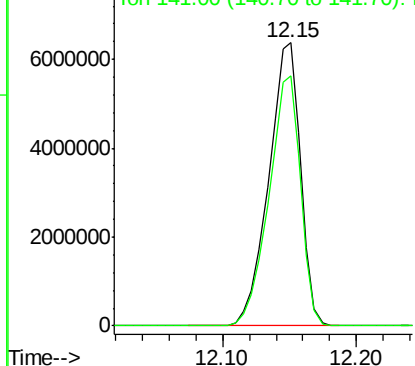


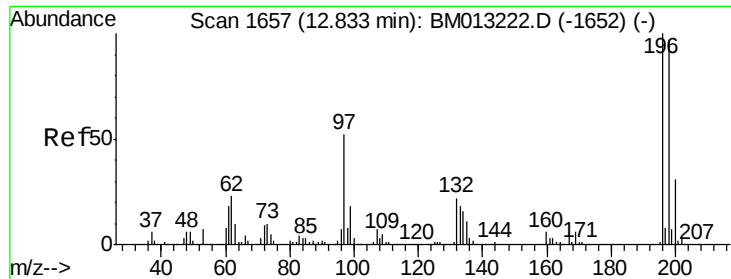
#34
2-Methylnaphthalene
Concen: 237.650 ng/ul
RT: 12.15 min Scan# 1541
Delta R.T. 0.02 min
Lab File: BM013326.D
Acq: 12 Dec 2017 04:19

Tgt Ion:142 Resp:10560685
Ion Ratio Lower Upper
142 100
141 88.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

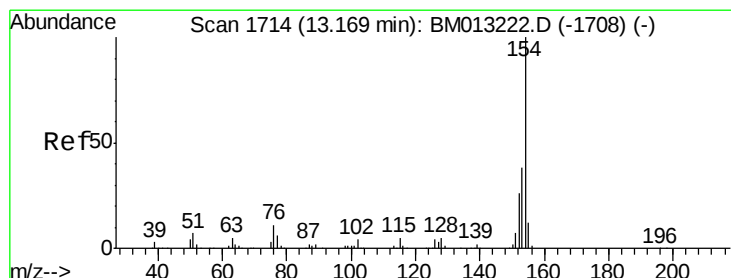
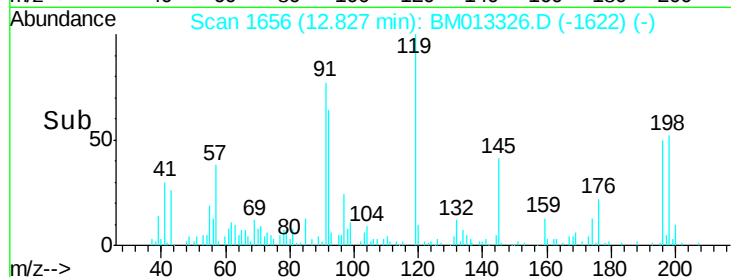
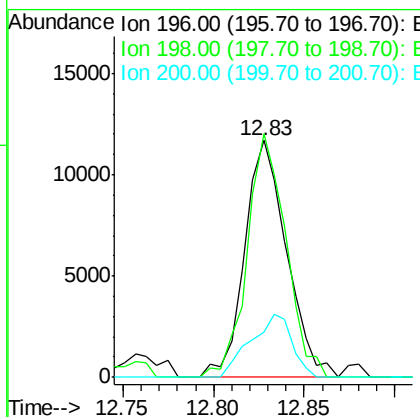
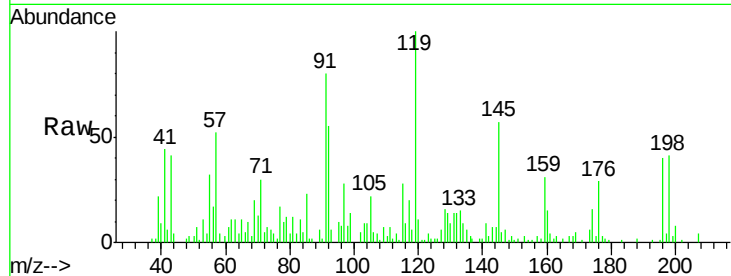




#39
 2,4,5-Trichlorophenol
 Concen: 1.225 ng/ul
 RT: 12.83 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

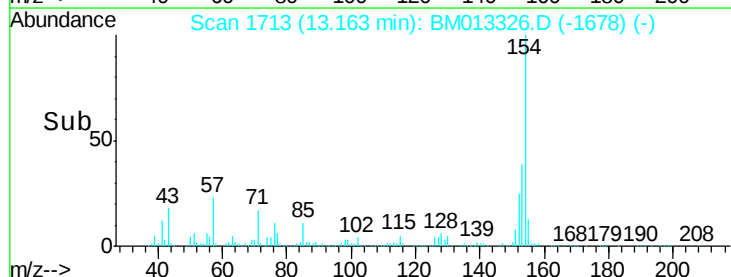
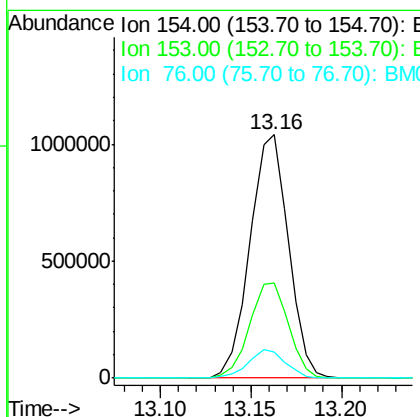
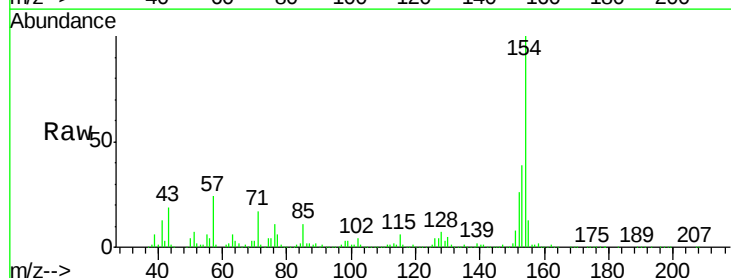
Instrument :
 BNA_M
 ClientSampleId :

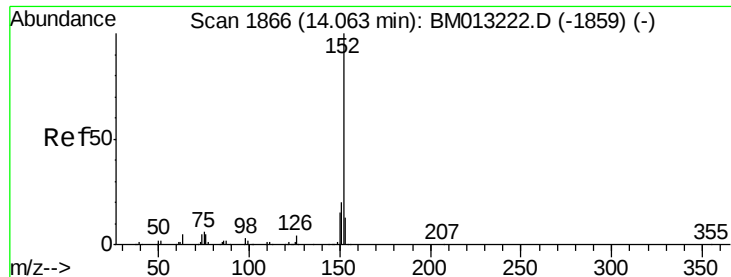
Tot Ion:196 Resp: 18864
 Ion Ratio Lower Upper
 196 100
 198 102.7 75.6 113.4
 200 19.1 25.5 38.3#



#40
 1,1'-Biphenyl
 Concen: 28.093 ng/ul
 RT: 13.16 min Scan# 1713
 Delta R.T. 0.01 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

Tgt Ion:154 Resp: 1529845
 Ion Ratio Lower Upper
 154 100
 153 39.3 32.6 48.8
 76 10.7 8.5 12.7





#47

Acenaphthylene

Concen: 8.661 ng/ul

RT: 14.05 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

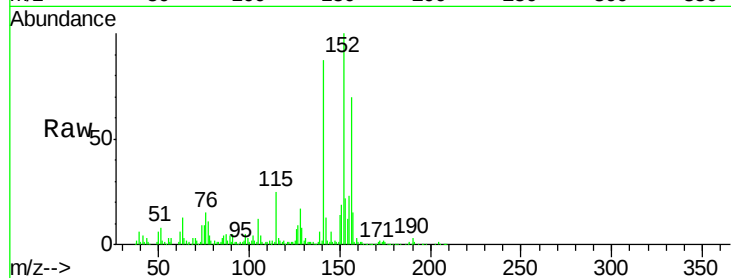
Tot Ion:152 Resp: 567145

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

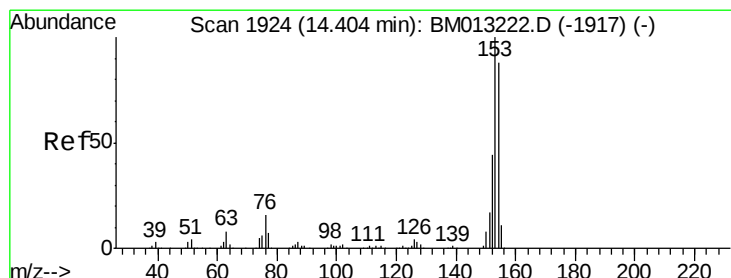
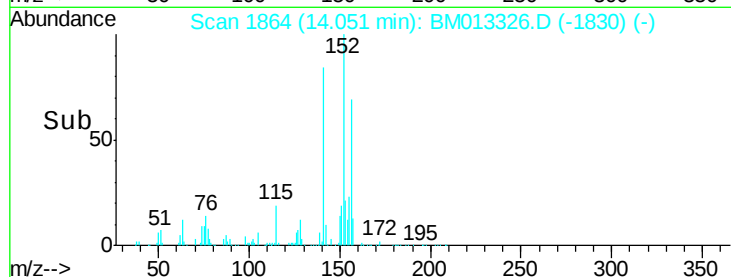
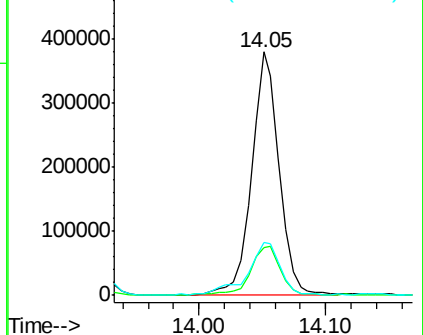
153 21.7 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 371.908 ng/ul

RT: 14.41 min Scan# 1925

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

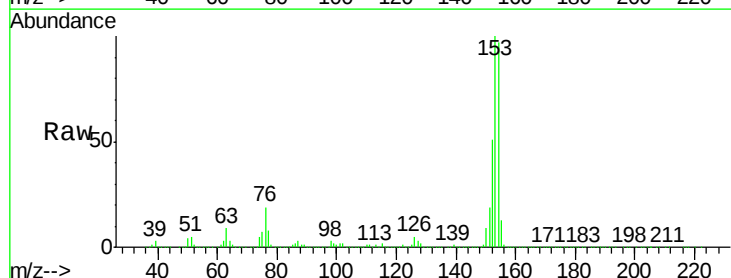
Tgt Ion:153 Resp:16589326

Ion Ratio Lower Upper

153 100

152 51.3 37.6 56.4

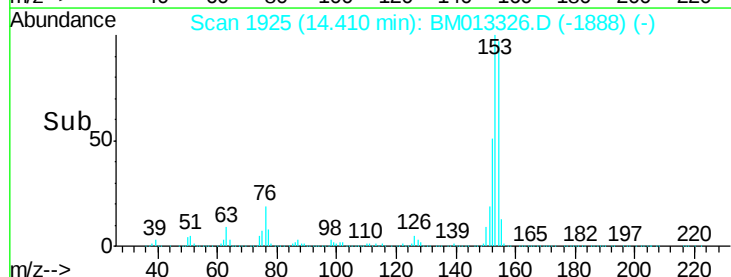
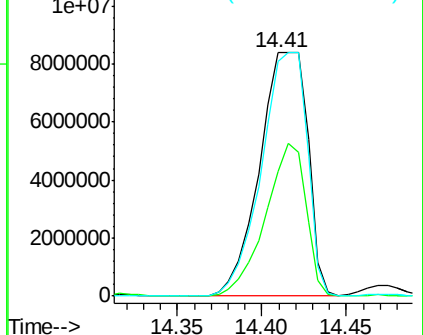
154 96.5 70.4 105.6

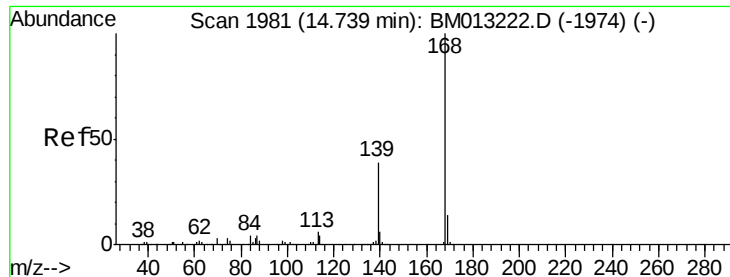


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 223.401 ng/ul

RT: 14.74 min Scan# 1982

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

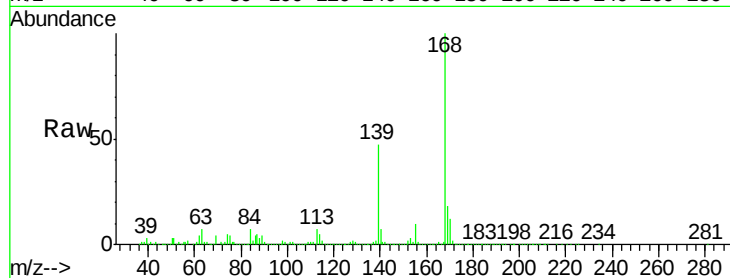
ClientSampleId :

Tot Ion:168 Resp:14711090

Ion Ratio Lower Upper

168 100

139 46.9 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

8000000

6000000

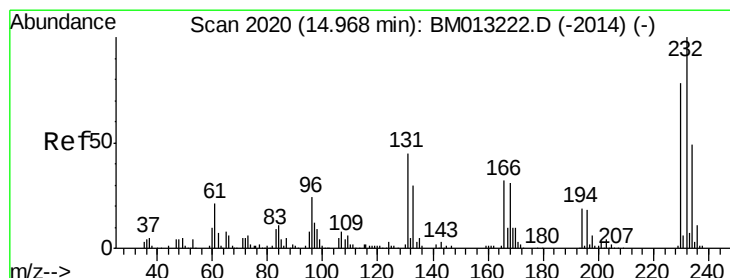
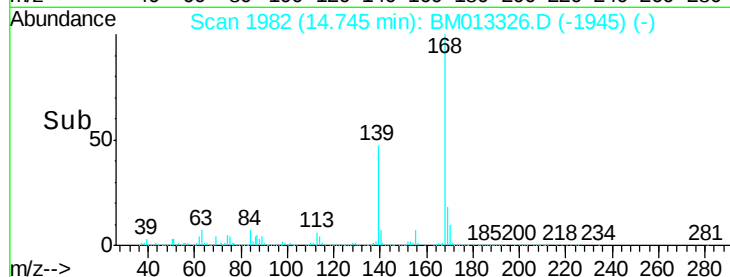
4000000

2000000

0

14.65 14.70 14.75 14.80

Time-->



#55

2,3,4,6-Tetrachlorophenol

Concen: 41.146 ng/ul

RT: 14.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Tgt Ion:232 Resp: 580867

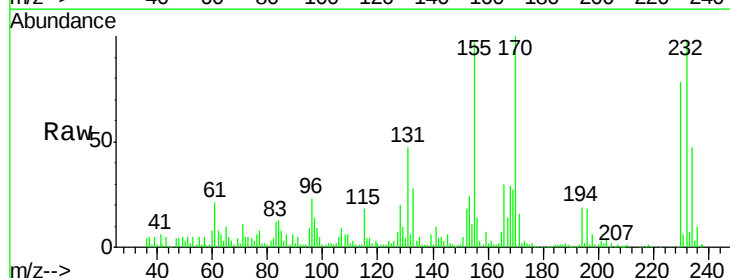
Ion Ratio Lower Upper

232 100

131 48.2 29.0 43.4#

130 4.6 2.0 3.0#

166 30.6 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

600000

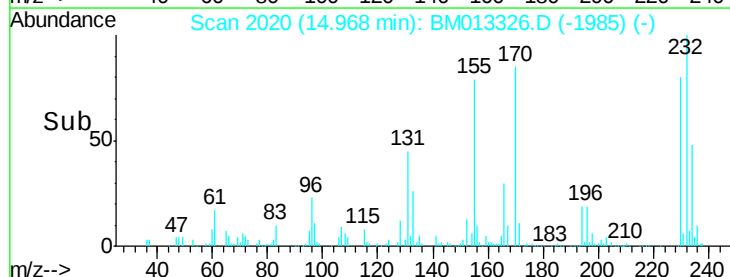
400000

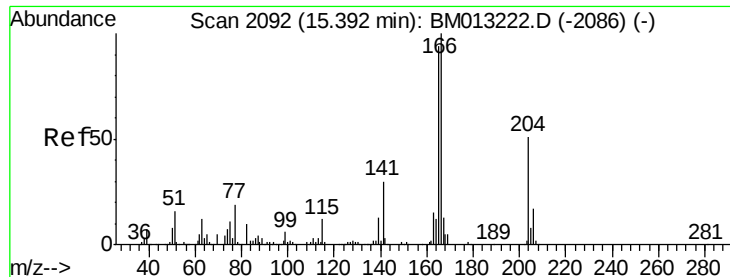
200000

0

14.90 14.95 15.00 15.10

Time-->





#58

Fluorene

Concen: 246.029 ng/ul

RT: 15.40 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampled :

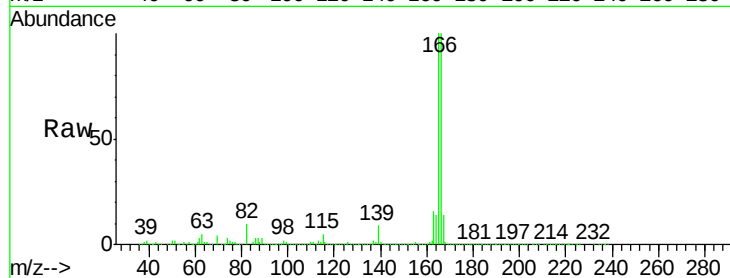
Tot Ion:166 Resp:13402716

Ion Ratio Lower Upper

166 100

165 100.0 77.9 116.9

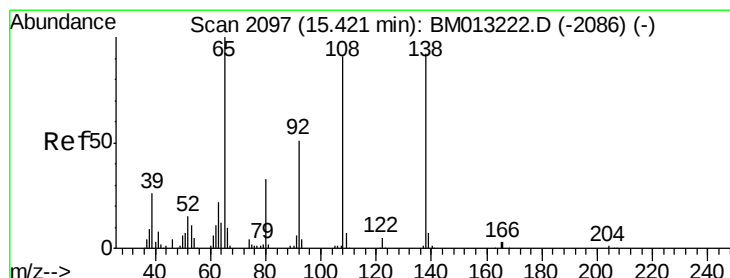
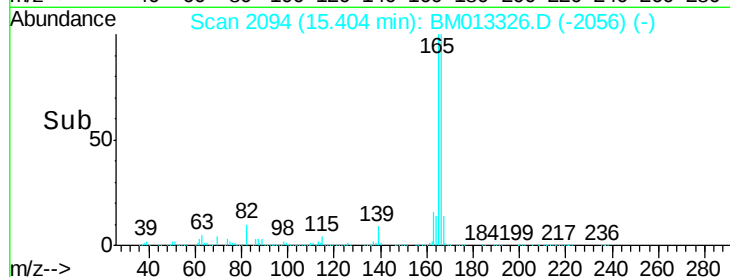
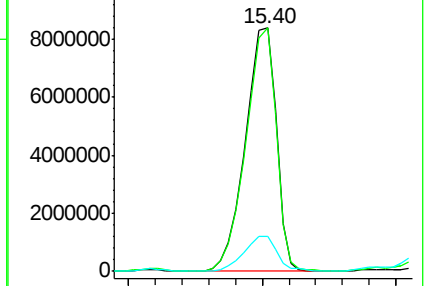
167 14.5 10.6 16.0



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: 13.020 ng/ul

RT: 15.40 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

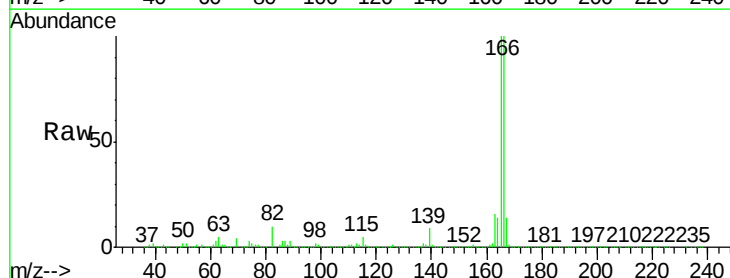
Tgt Ion:138 Resp: 153584

Ion Ratio Lower Upper

138 100

92 5.3 40.0 60.0#

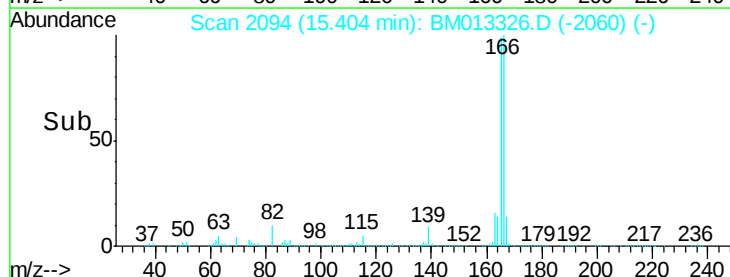
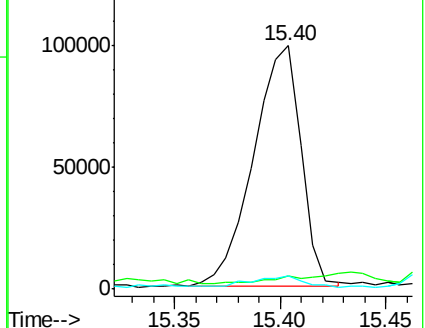
108 5.6 80.0 120.0#

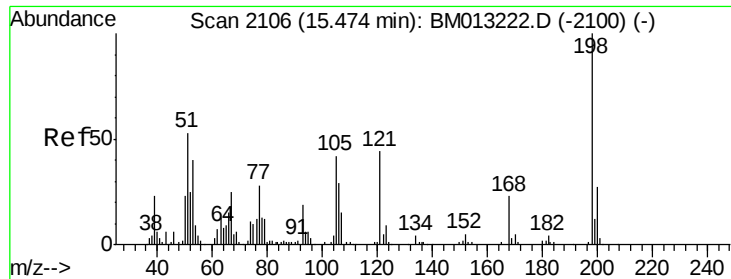


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

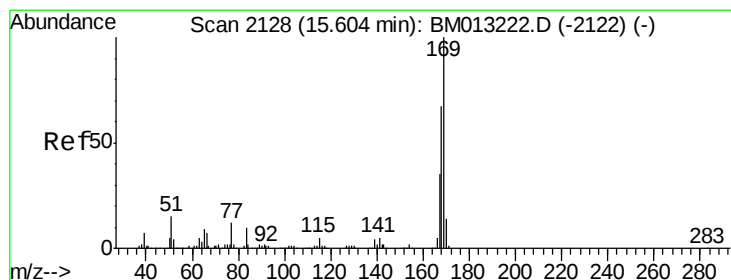
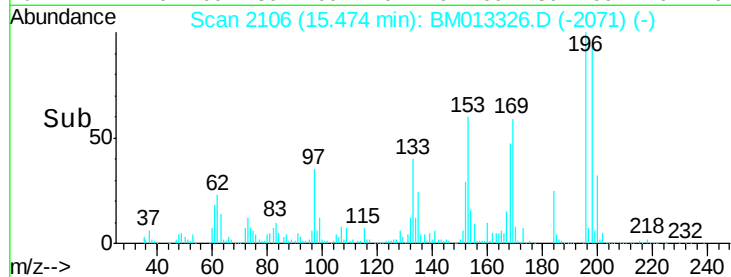
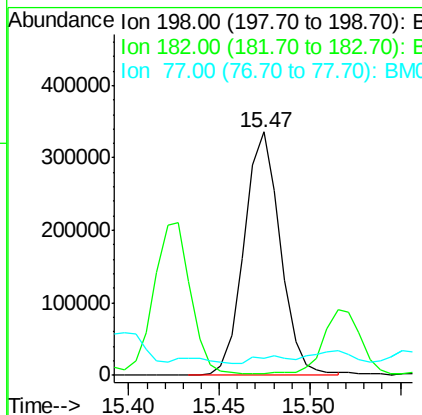
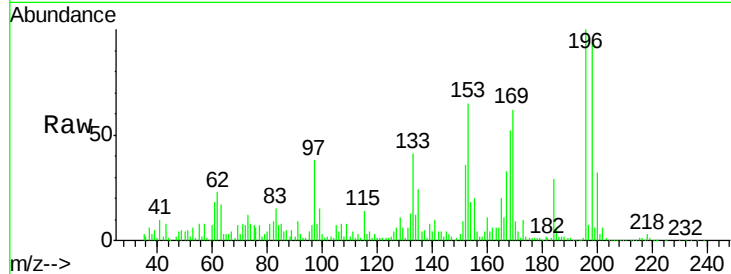




#63
 4,6-Dinitro-2-methylphenol
 Concen: 108.150 ng/ul
 RT: 15.47 min Scan# 2106
 Delta R.T. 0.01 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

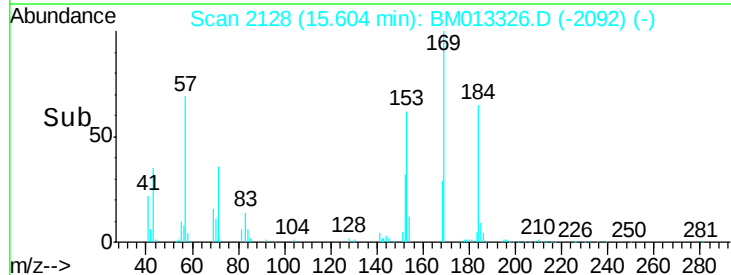
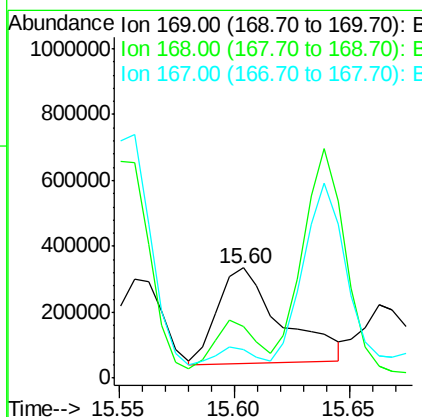
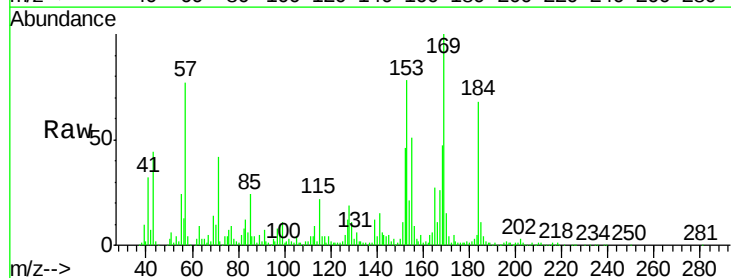
Instrument :
 BNA_M
 ClientSampleId :

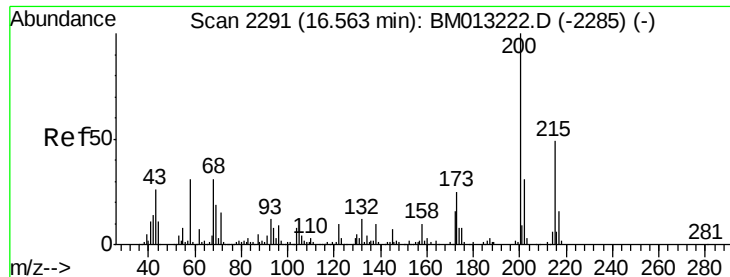
Tot Ion:198 Resp: 463392
 Ion Ratio Lower Upper
 198 100
 182 0.9 3.8 5.6#
 77 7.1 25.2 37.8#



#64
 N-Nitrosodiphenylamine
 Concen: 27.847 ng/ul
 RT: 15.60 min Scan# 2128
 Delta R.T. 0.01 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

Tgt Ion:169 Resp: 559111
 Ion Ratio Lower Upper
 169 100
 168 47.2 54.0 81.0#
 167 26.3 29.1 43.7#

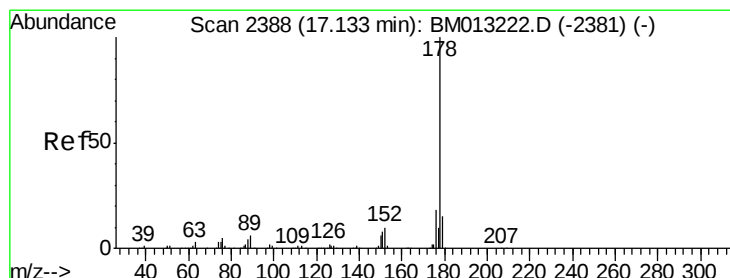
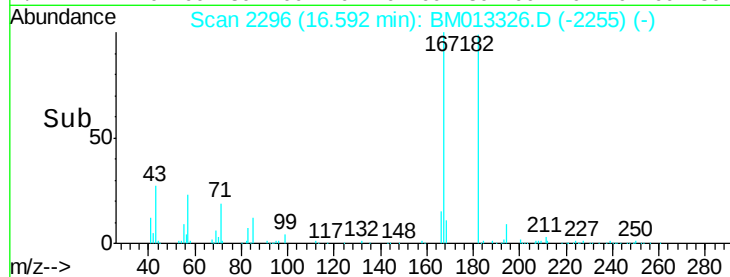
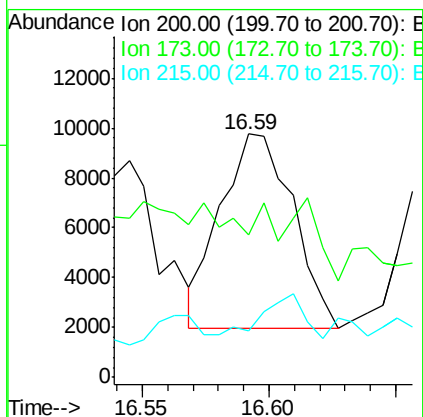
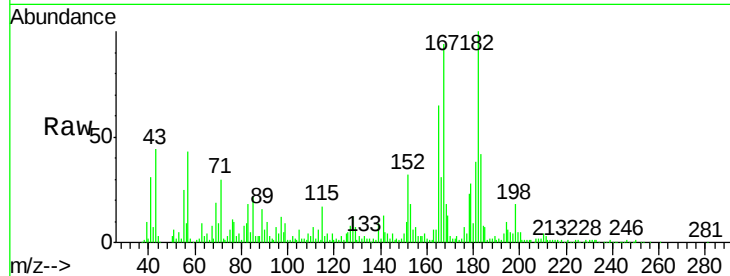




#67
 Atrazine
 Concen: 2.101 ng/ul
 RT: 16.59 min Scan# 2296
 Delta R.T. 0.04 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

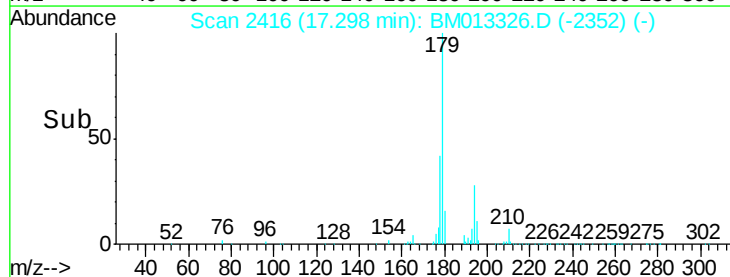
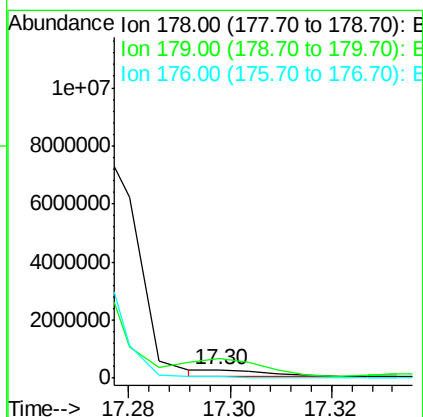
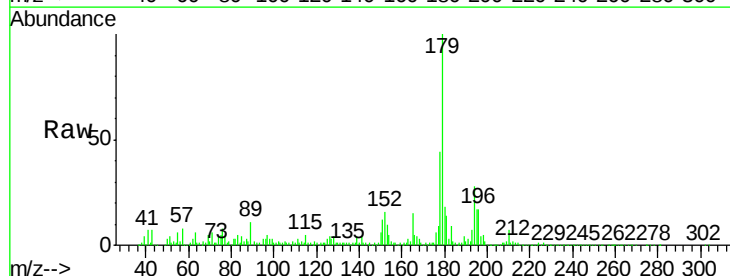
Instrument :
 BNA_M
 ClientSampleId :

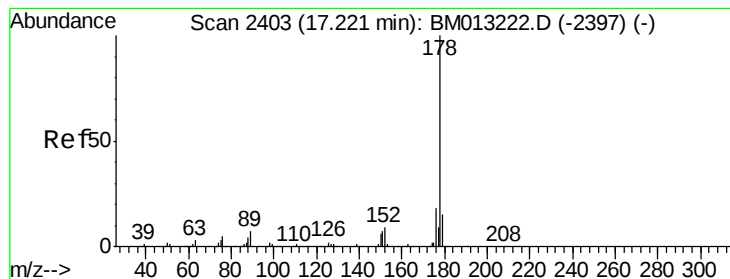
Tot Ion:200 Resp: 15572
 Ion Ratio Lower Upper
 200 100
 173 58.4 18.2 27.2#
 215 19.1 35.0 52.4#



#69
 Phenanthrene
 Concen: 5.148 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.18 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

Tgt Ion:178 Resp: 199352
 Ion Ratio Lower Upper
 178 100
 179 229.3 12.6 19.0#
 176 13.0 14.9 22.3#

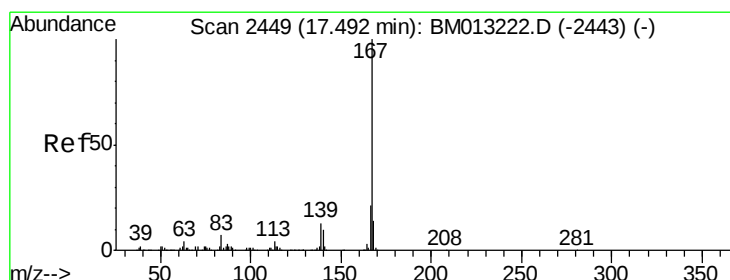
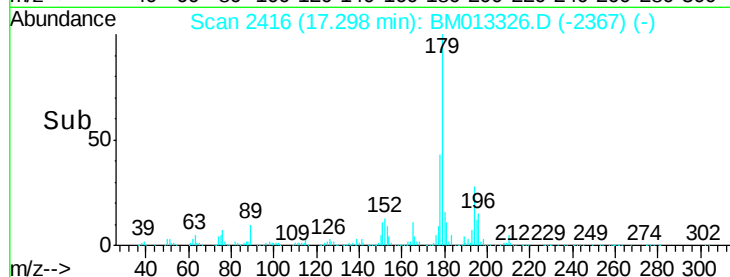
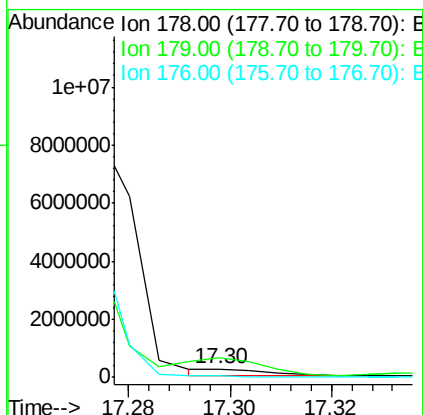
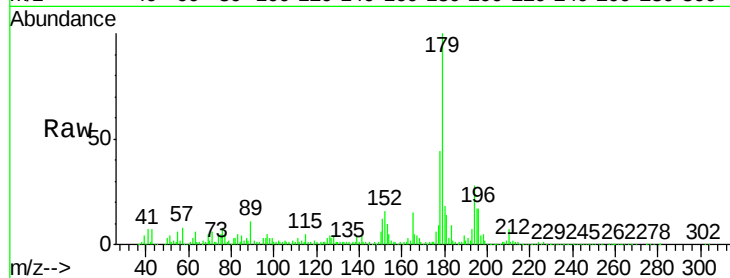




#71
 Anthracene
 Concen: 5.037 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.09 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

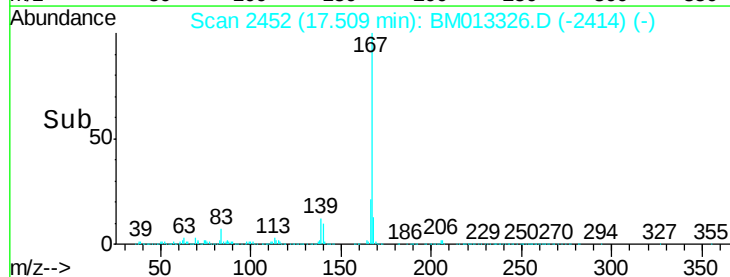
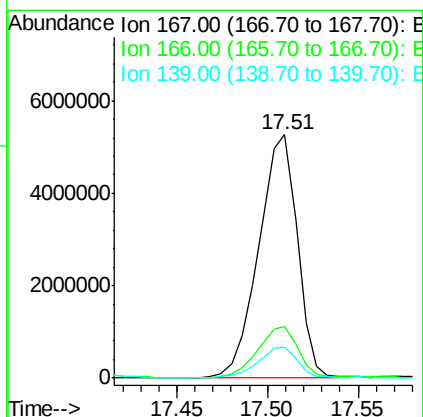
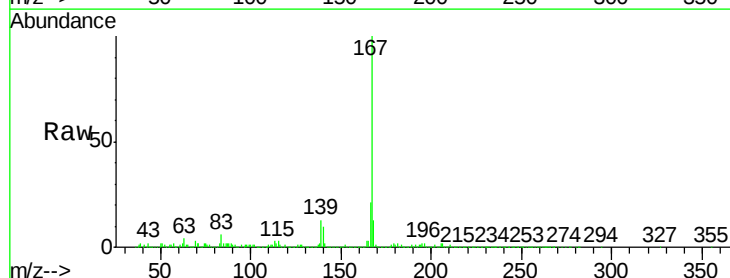
Instrument :
 BNA_M
 ClientSampleId :

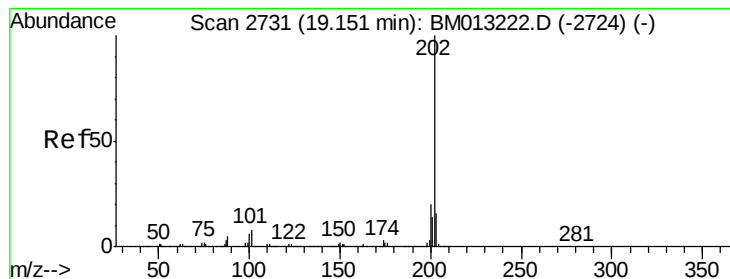
Tot Ion:178 Resp: 199352
 Ion Ratio Lower Upper
 178 100
 179 229.3 11.7 17.5#
 176 13.0 14.6 21.8#



#72
 Carbazole
 Concen: 226.952 ng/ul
 RT: 17.51 min Scan# 2452
 Delta R.T. 0.02 min
 Lab File: BM013326.D
 Acq: 12 Dec 2017 04:19

Tgt Ion:167 Resp: 7726494
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.7 10.0 15.0





#74

Fluoranthene

Concen: 3.540 ng/ul

RT: 19.10 min Scan# 2722

Delta R.T. -0.04 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

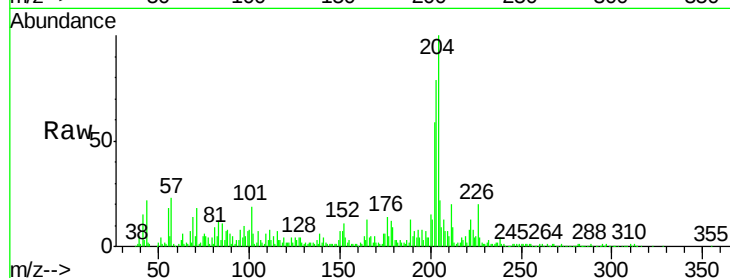
Tot Ion:202 Resp: 167971

Ion Ratio Lower Upper

202 100

101 31.4 4.6 7.0#

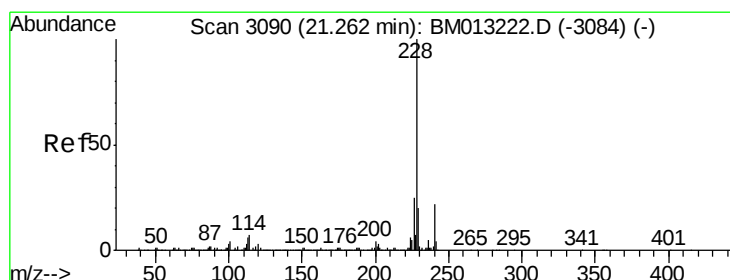
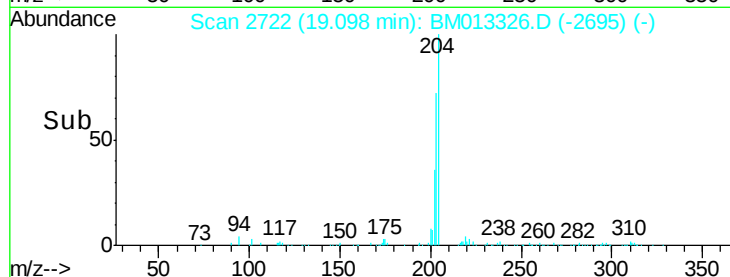
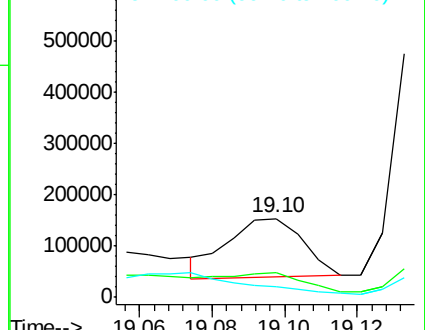
100 13.2 3.4 5.2#



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



#80

Benzo(a)anthracene

Concen: 150.368 ng/ul

RT: 21.27 min Scan# 3091

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

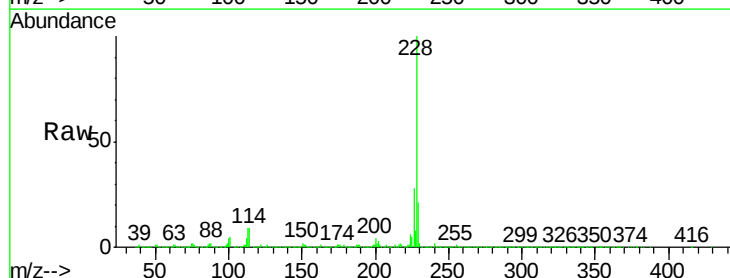
Tgt Ion:228 Resp:14425649

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

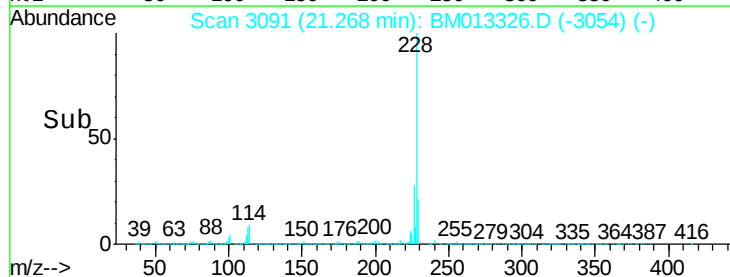
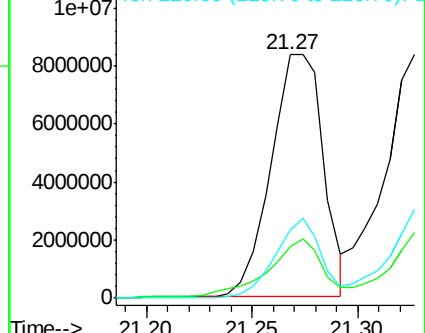
226 27.9 21.4 32.0

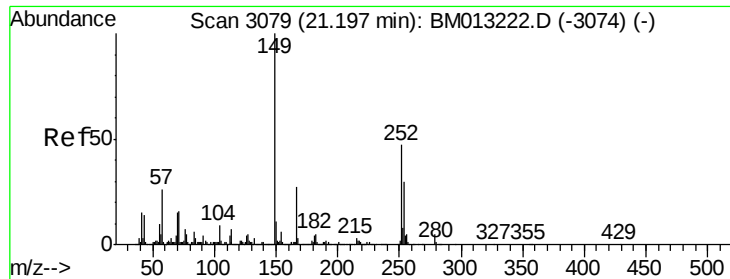


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.617 ng/ul

RT: 21.19 min Scan# 3078

Delta R.T. -0.00 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

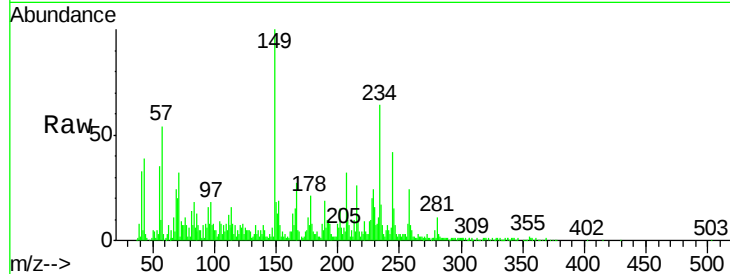
Tot Ion:149 Resp: 141585

Ion Ratio Lower Upper

149 100

167 27.5 22.8 34.2

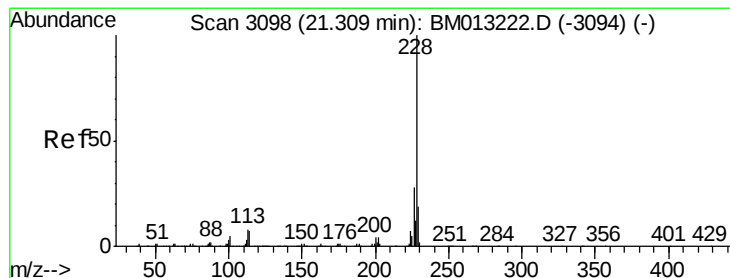
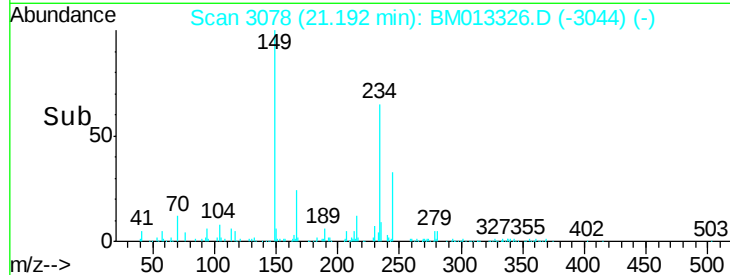
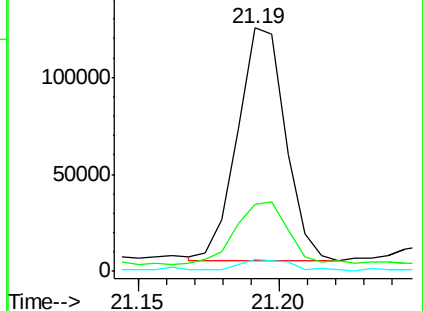
279 5.0 4.9 7.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 162.079 ng/ul

RT: 21.27 min Scan# 3091

Delta R.T. -0.04 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

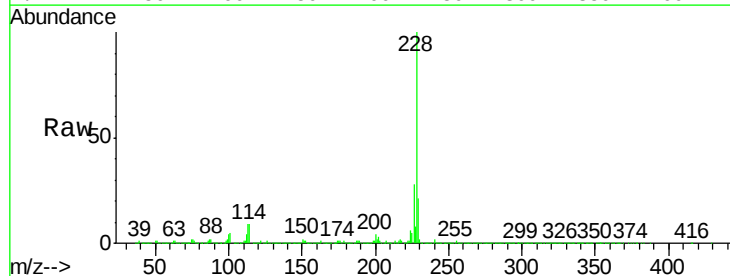
Tgt Ion:228 Resp:14425649

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.2

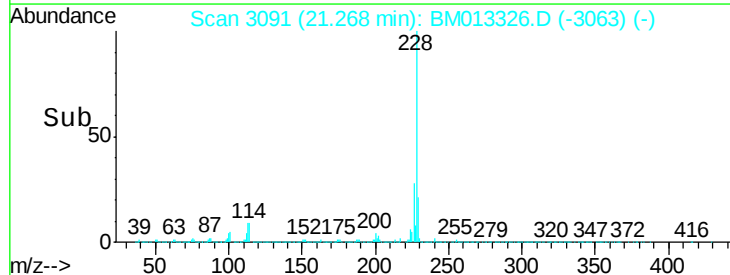
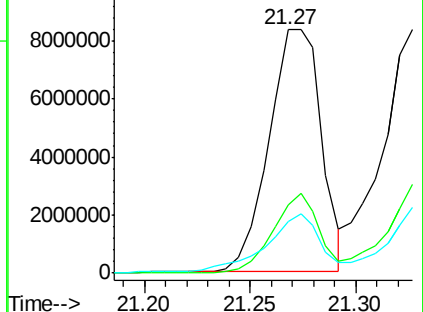
229 21.1 15.5 23.3

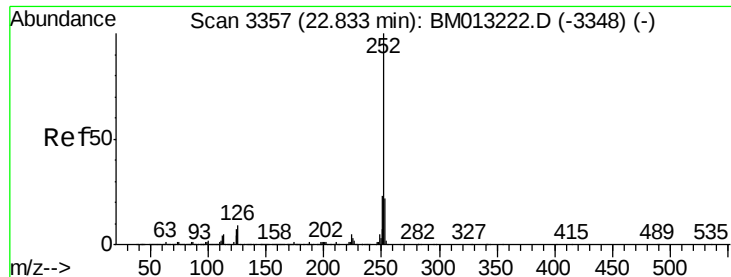


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 103.483 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

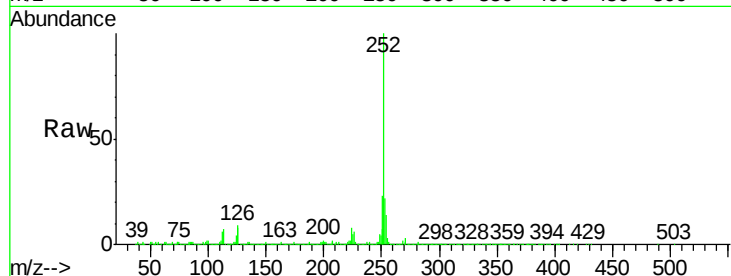
Tot Ion:252 Resp: 8168305

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

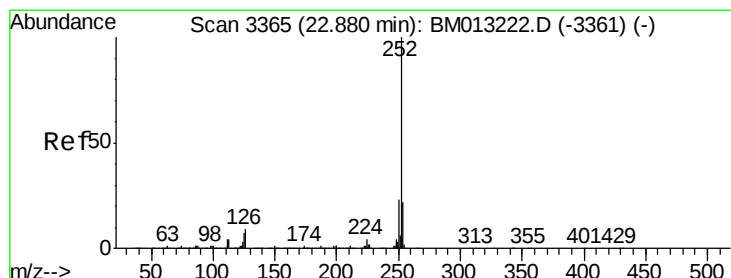
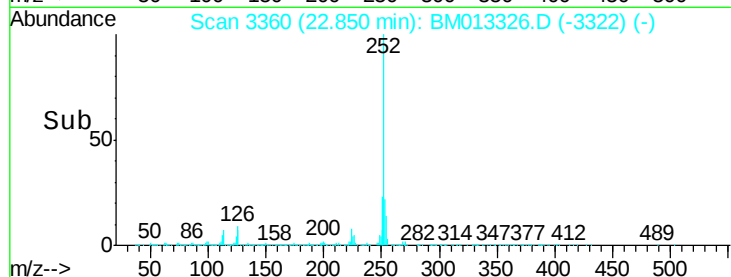
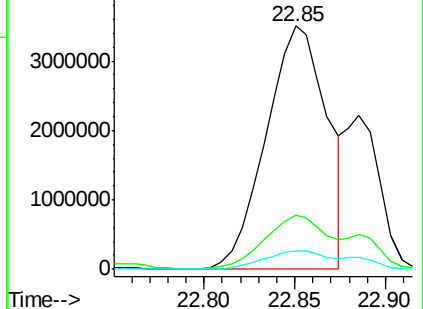
125 7.6 3.6 5.4#



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: 38.210 ng/ul

RT: 22.89 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

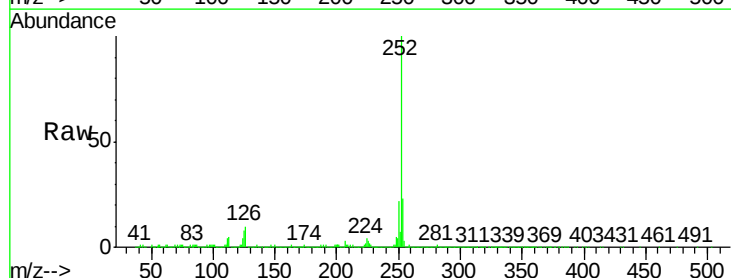
Tgt Ion:252 Resp: 2838340

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

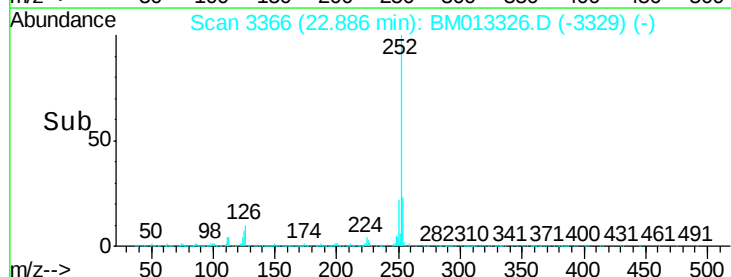
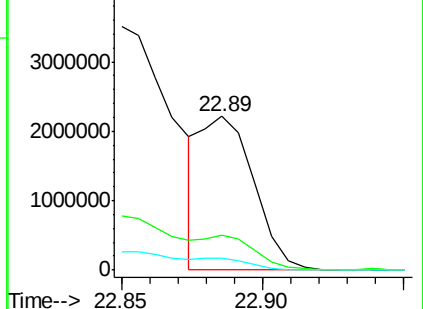
125 7.5 3.4 5.2#

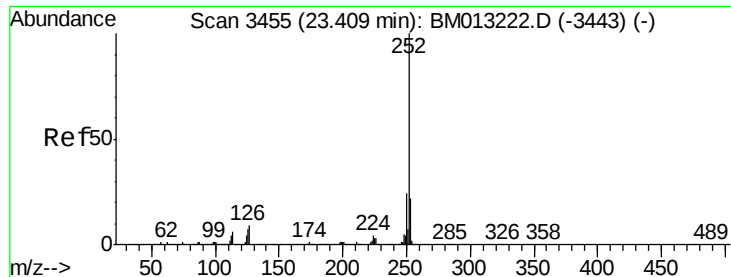


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 45.120 ng/ul

RT: 23.41 min Scan# 3456

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

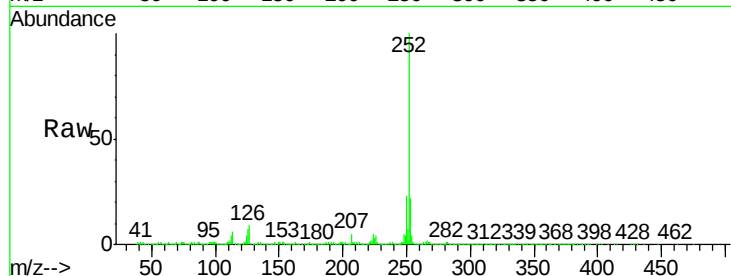
Tot Ion:252 Resp: 3199255

Ion Ratio Lower Upper

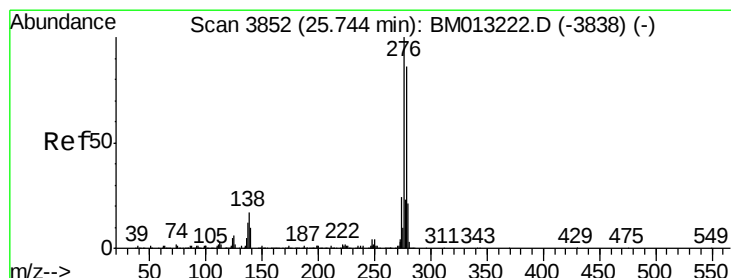
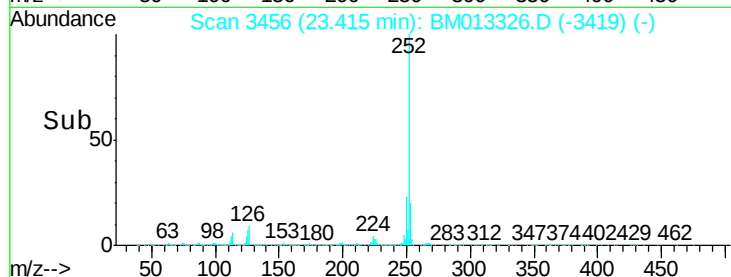
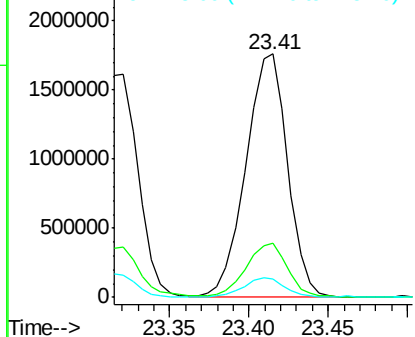
252 100

253 22.0 18.2 27.2

125 7.5 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 17.888 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

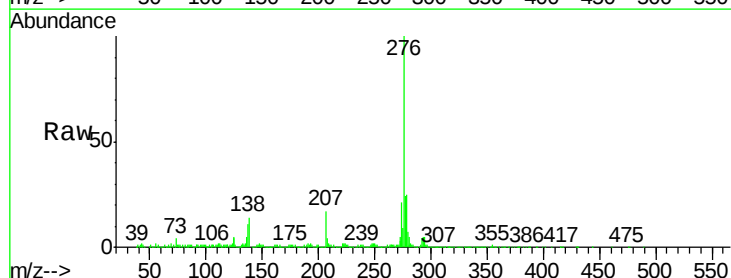
Tgt Ion:276 Resp: 1258521

Ion Ratio Lower Upper

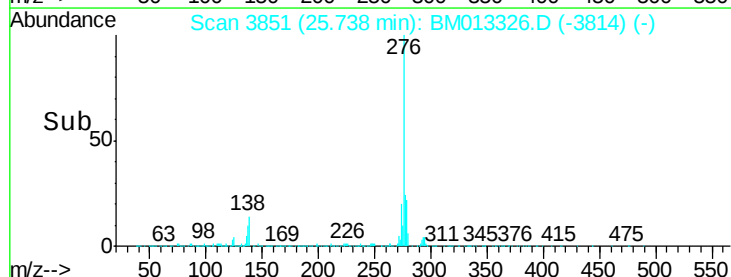
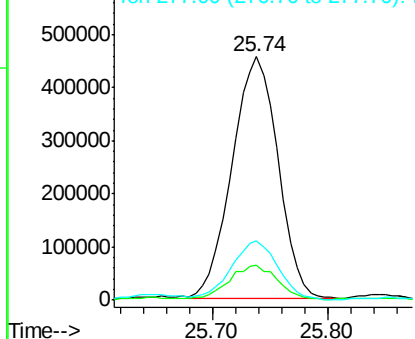
276 100

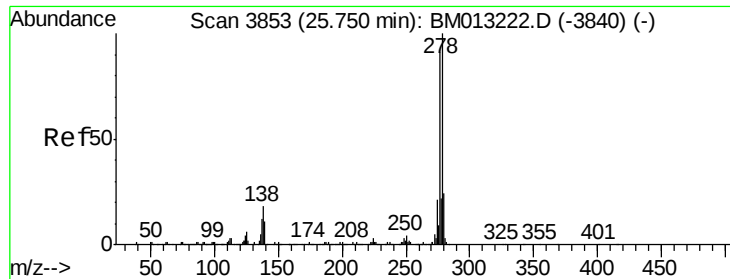
138 14.3 9.3 13.9#

277 24.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.993 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. -0.00 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

Instrument :

BNA_M

ClientSampleId :

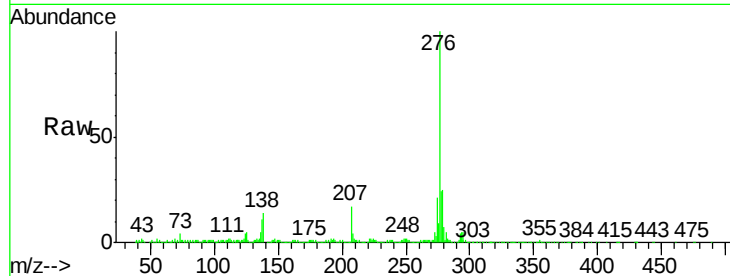
Tot Ion:278 Resp: 359047

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

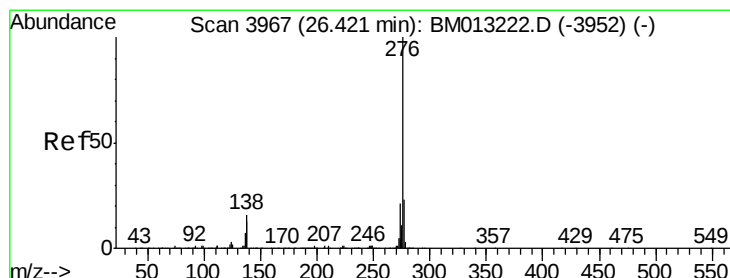
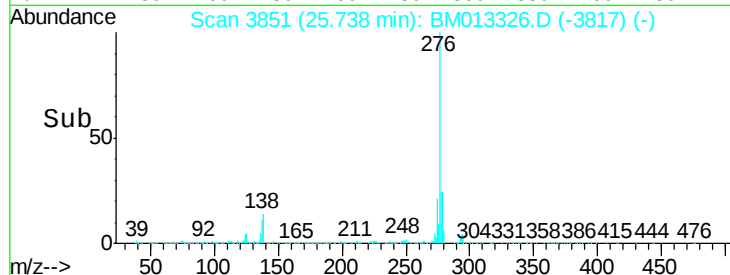
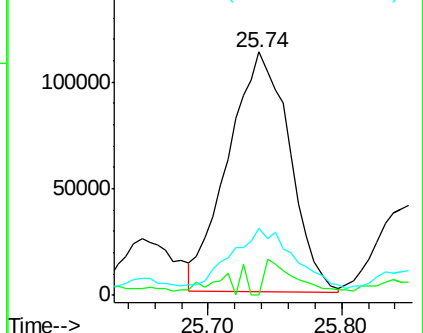
279 27.6 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 16.504 ng/ul

RT: 26.43 min Scan# 3968

Delta R.T. 0.02 min

Lab File: BM013326.D

Acq: 12 Dec 2017 04:19

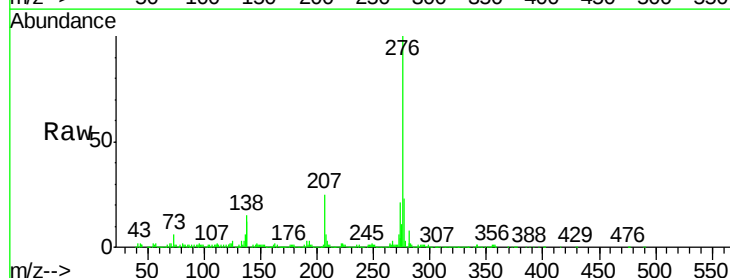
Tgt Ion:276 Resp: 915893

Ion Ratio Lower Upper

276 100

138 14.7 8.5 12.7#

277 23.5 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

