

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012815.D
 Acq On : 08 Nov 2017 11:34
 Operator : SJ/JU
 Sample : 6164-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ET0D1

Quant Time: Nov 09 01:31:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 01:31:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	124064	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	498453	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	277899	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	535516	20.00	ng/ul	0.00
77) Chrysene-d12	21.36	240	507027	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	569154	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	7957	3.46	ng/uL	0.00
5) Phenol-d5	6.97	99	174579	18.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	101720	20.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	153372	19.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	120477	15.12	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	73772	20.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	87361	20.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	159767	18.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	68662	8.24	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	471324	20.50	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	563312	19.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	46318	12.57	ng/ul	0.00
57) Fluorene-d10	15.43	176	385218	19.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	49555	14.02	ng/ul	0.00
70) Anthracene-d10	17.28	188	525287	20.30	ng/ul	0.00
78) Pyrene-d10	19.57	212	498755	21.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	553139	20.55	ng/ul	0.00

Target Compounds

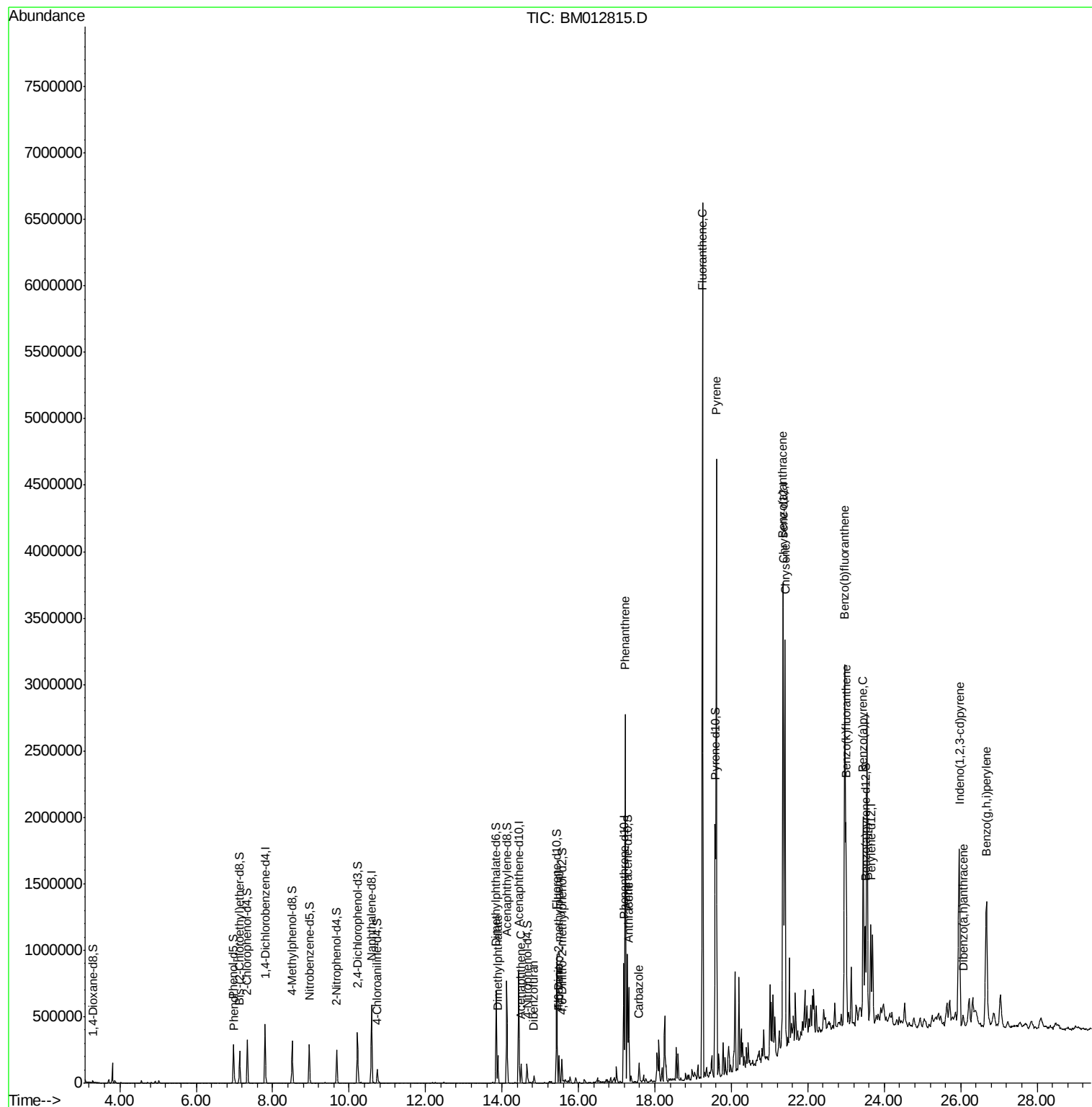
						Ovalue
6) Phenol	7.00	94	17368	1.83	ng/ul	98
44) Dimethylphthalate	13.89	163	139910	6.13	ng/ul	99
49) Acenaphthene	14.50	153	62549	3.33	ng/ul	95
53) Dibenzofuran	14.84	168	37958	1.39	ng/ul	91
58) Fluorene	15.49	166	88696	3.90	ng/ul	100
63) 4,6-Dinitro-2-methylphenol	15.49	198	6740	1.81	ng/ul#	68
69) Phenanthrene	17.23	178	1675039	57.23	ng/ul	99
71) Anthracene	17.32	178	441175	14.54	ng/ul	99
74) Carbazole	17.59	167	87388	3.45	ng/ul	99
76) Fluoranthene	19.24	202	3877425	110.24	ng/ul#	95
79) Pyrene	19.61	202	3034907	100.32	ng/ul#	93
82) Benzo(a)anthracene	21.35	228	1691254	55.12	ng/ul	99
84) Chrysene	21.40	228	1716603	61.74	ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	2602088	74.81	ng/ul#	97
88) Benzo(k)fluoranthene	23.00	252	874791	26.46	ng/ul#	95
90) Benzo(a)pyrene	23.45	252	1191155	35.99	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.96	276	1406475	35.26	ng/ul#	86
92) Dibenz(a,h)anthracene	26.06	278	102752	3.04	ng/ul	92
93) Benzo(g,h,i)perylene	26.67	276	1218944	37.09	ng/ul#	91

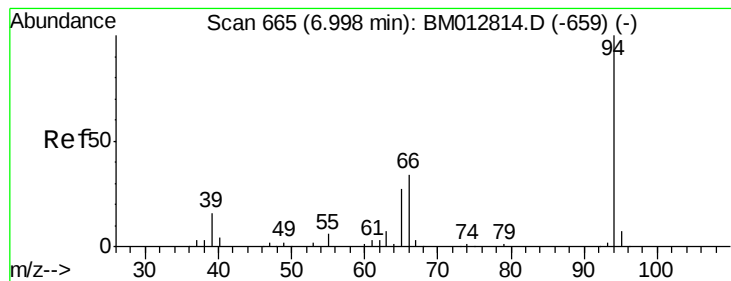
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012815.D
Acq On : 08 Nov 2017 11:34
Operator : SJ/JU
Sample : 6164-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ET0D1

Quant Time: Nov 09 01:31:49 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 01:31:40 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.83 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ET0D1

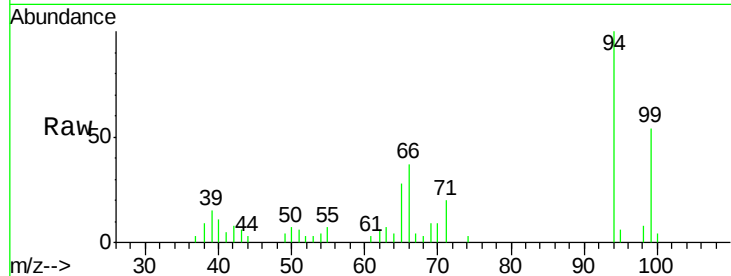
Tot Ion: 94 Resp: 17368

Ion Ratio Lower Upper

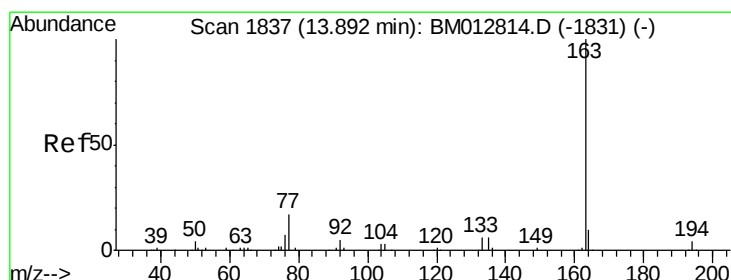
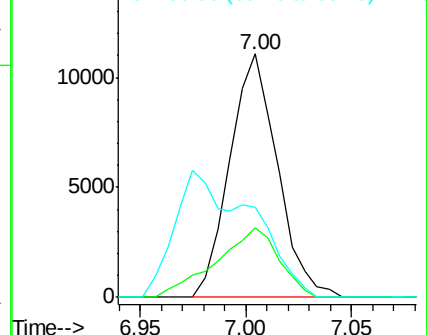
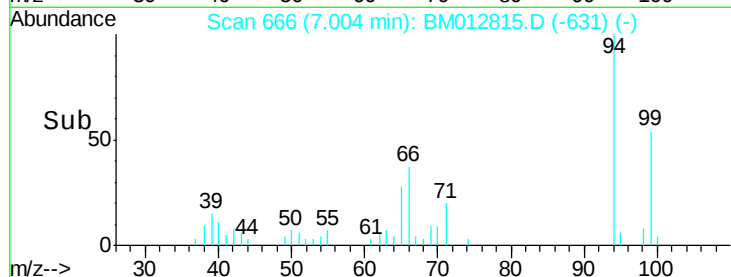
94 100

65 28.3 21.0 31.6

66 37.1 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012814.D (-659) (-)



#44

Dimethylphthalate

Concen: 6.13 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

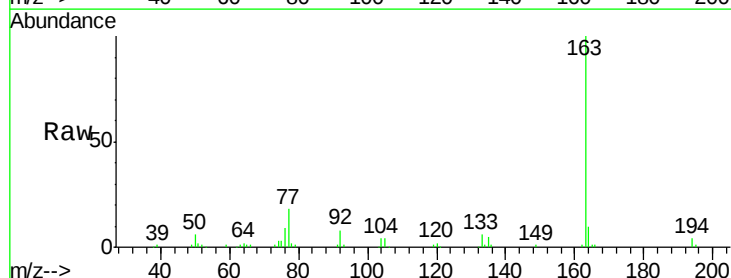
Tgt Ion:163 Resp: 139910

Ion Ratio Lower Upper

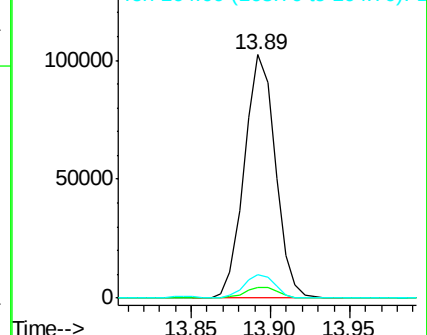
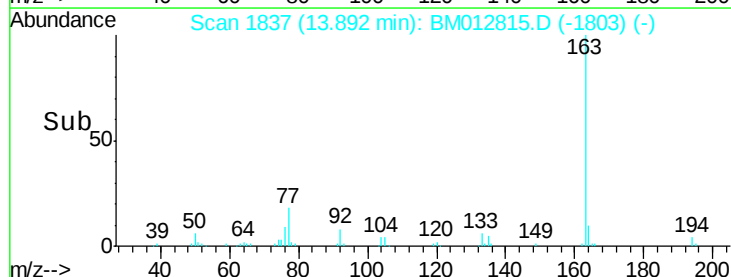
163 100

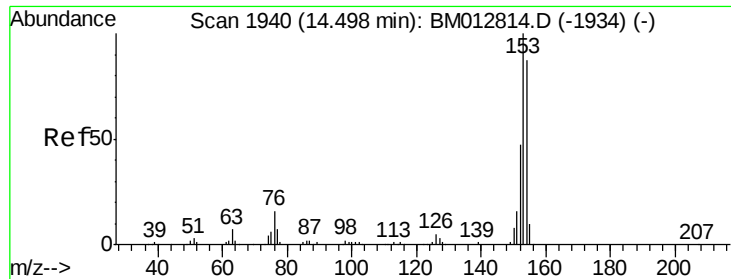
194 4.2 3.2 4.8

164 9.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): BM012814.D (-1831) (-)





#49

Acenaphthene

Concen: 3.33 ng/ul

RT: 14.50 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampled :

ETOD1

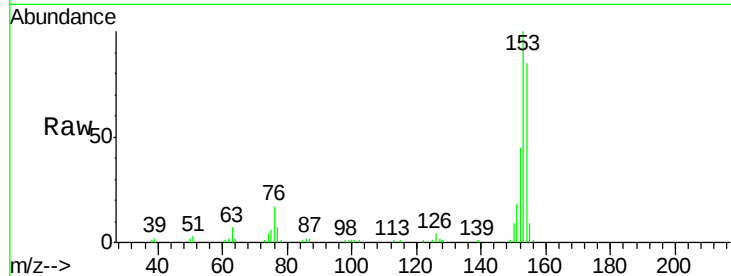
Tot Ion:153 Resp: 62549

Ion Ratio Lower Upper

153 100

152 45.4 38.3 57.5

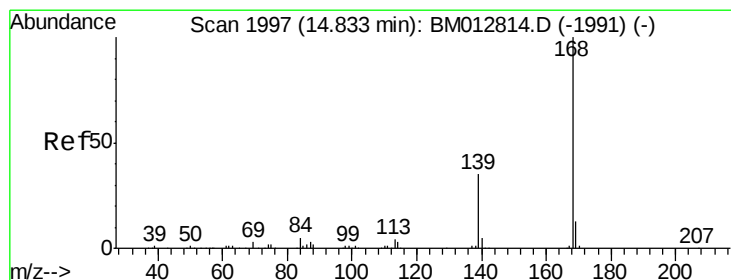
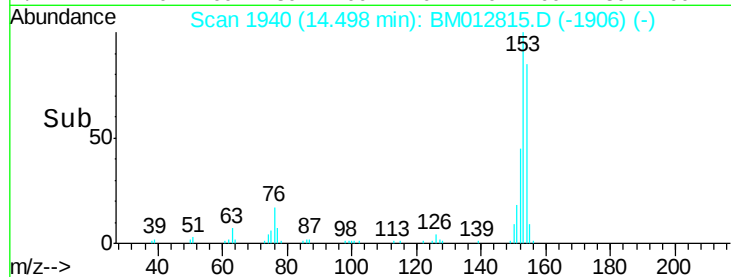
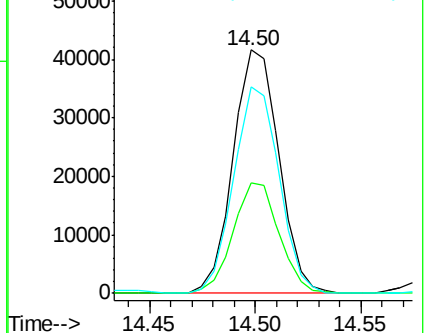
154 85.0 71.8 107.8



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: 1.39 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012815.D

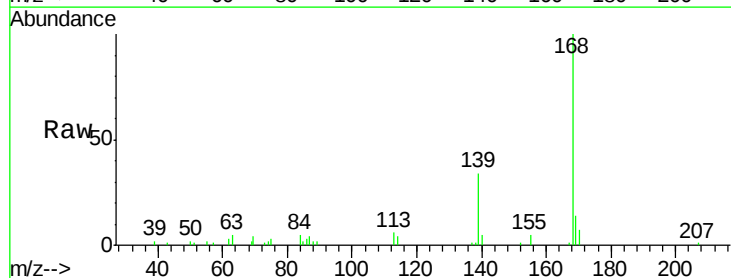
Acq: 08 Nov 2017 11:34

Tgt Ion:168 Resp: 37958

Ion Ratio Lower Upper

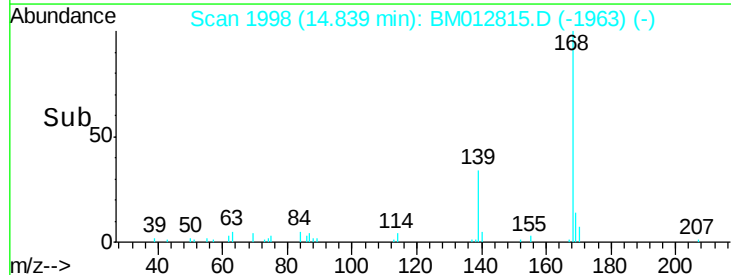
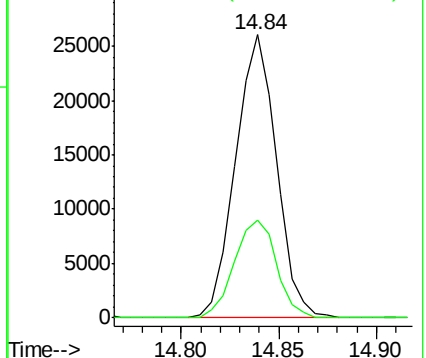
168 100

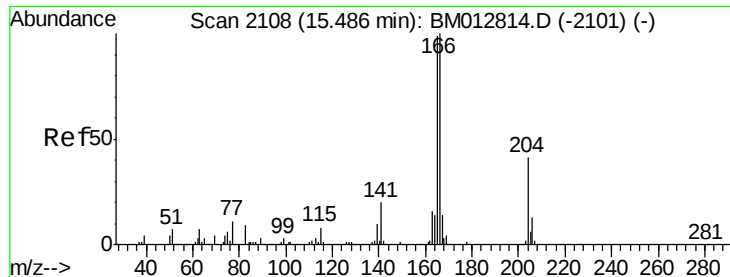
139 34.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.90 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ET0D1

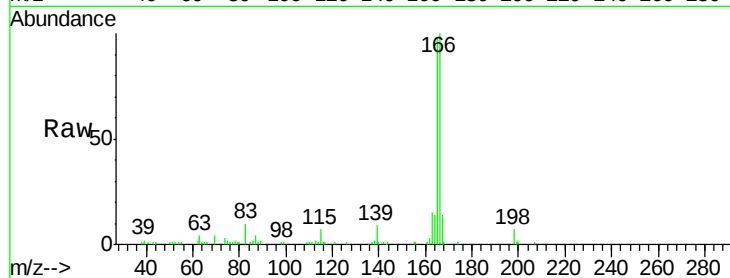
Tot Ion:166 Resp: 88696

Ion Ratio Lower Upper

166 100

165 97.8 78.5 117.7

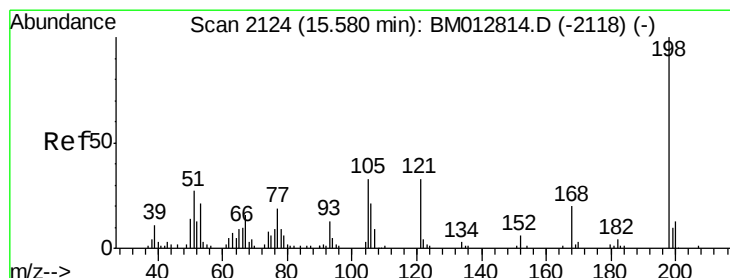
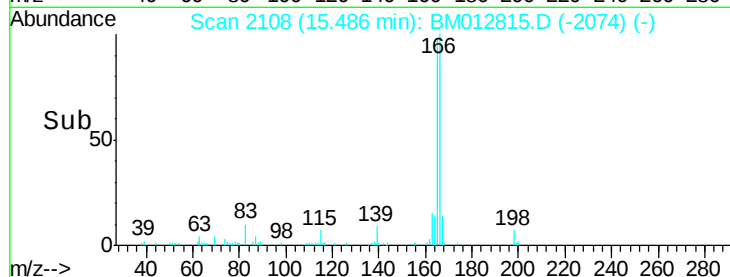
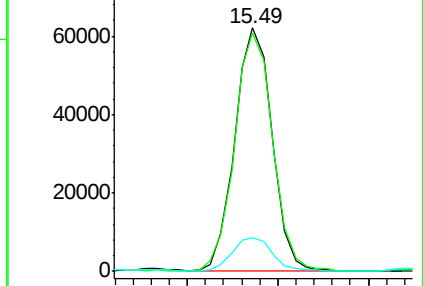
167 13.7 10.7 16.1



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



#63

4,6-Dinitro-2-methylphenol

Concen: 1.81 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. -0.09 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

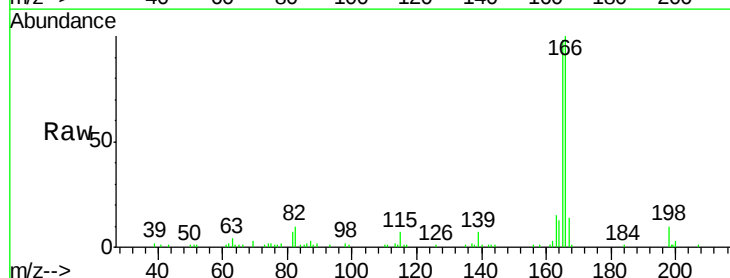
Tgt Ion:198 Resp: 6740

Ion Ratio Lower Upper

198 100

182 0.0 3.1 4.7#

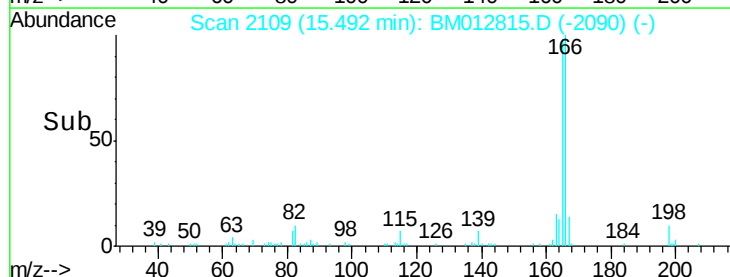
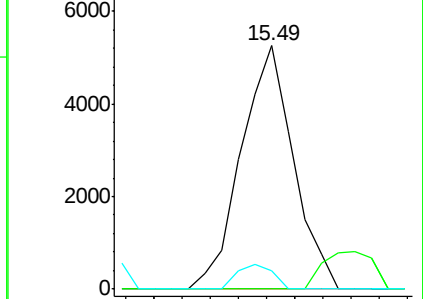
77 7.3 20.1 30.1#

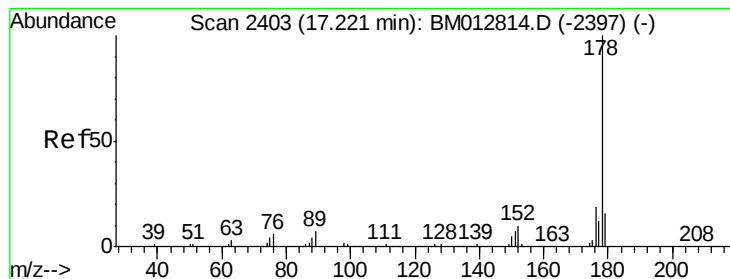


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM





#69

Phenanthrene

Concen: 57.23 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ET0D1

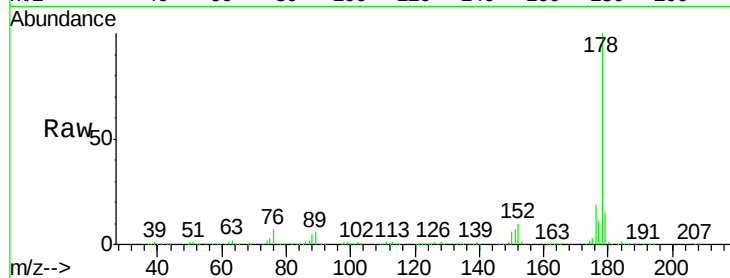
Tot Ion:178 Resp: 1675039

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

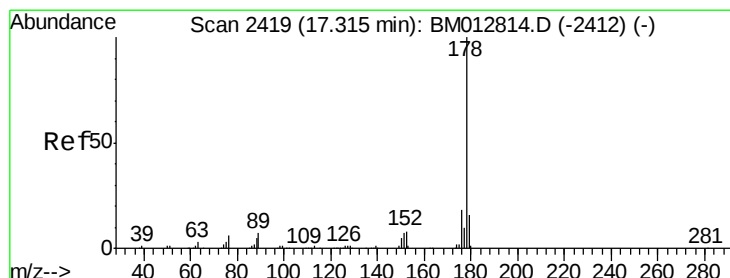
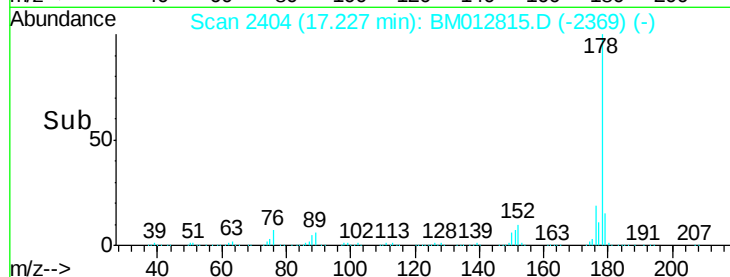
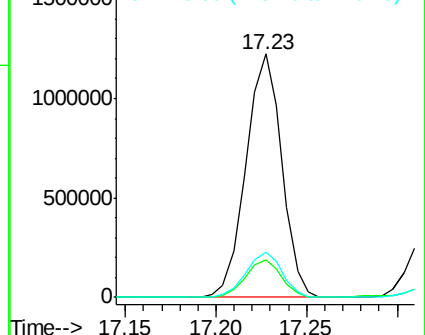
176 18.8 15.6 23.4



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: 14.54 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

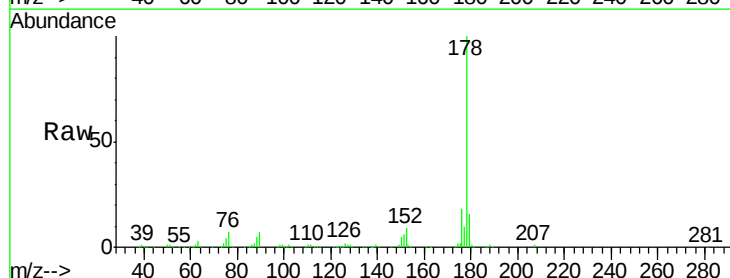
Tgt Ion:178 Resp: 441175

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

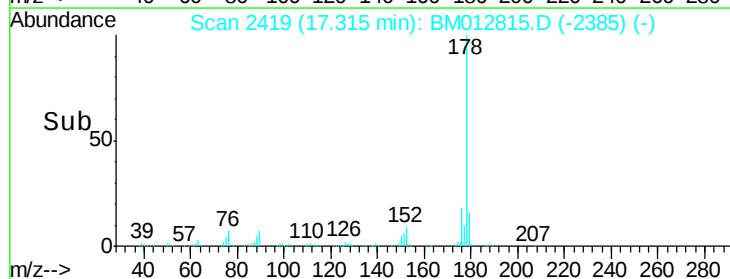
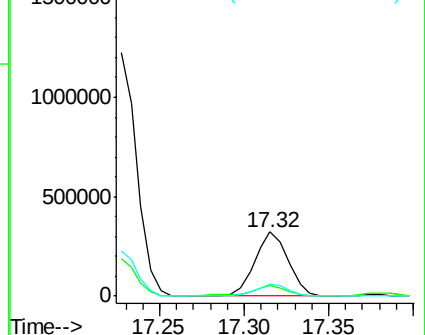
176 18.0 14.8 22.2

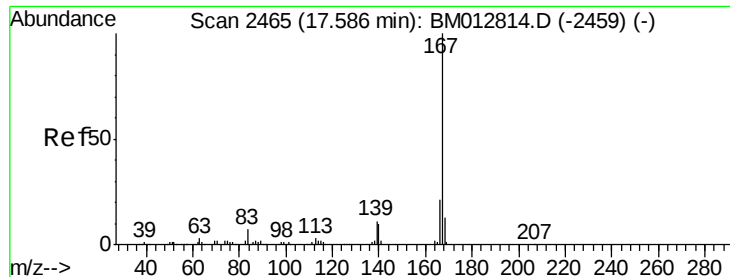


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

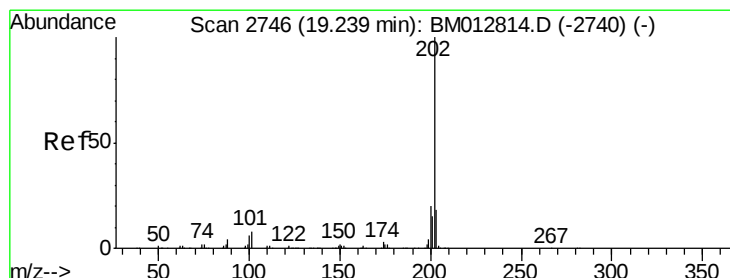
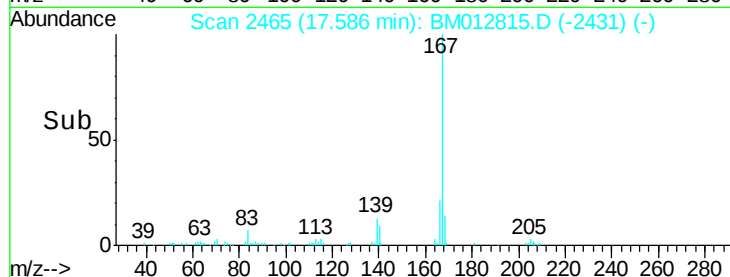
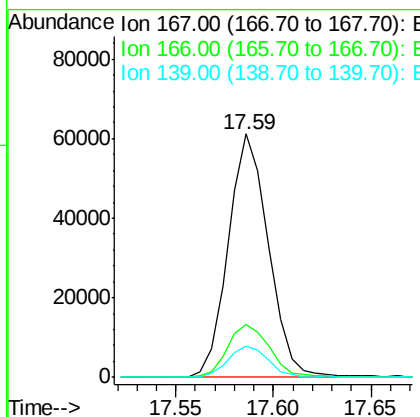
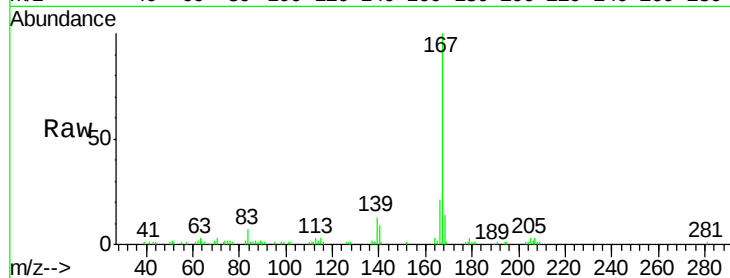




#74
 Carbazole
 Concen: 3.45 ng/ul
 RT: 17.59 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BM012815.D
 Acq: 08 Nov 2017 11:34

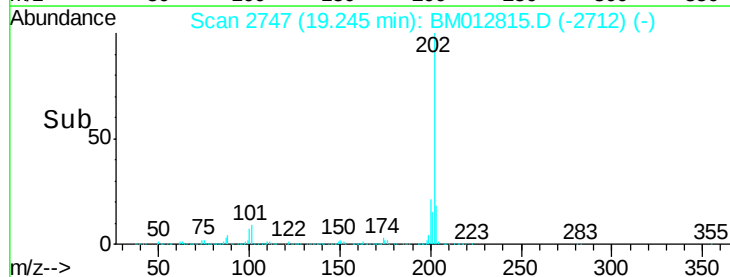
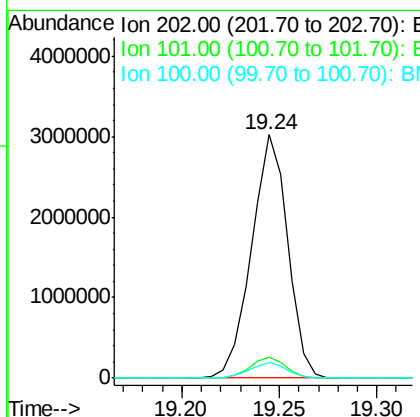
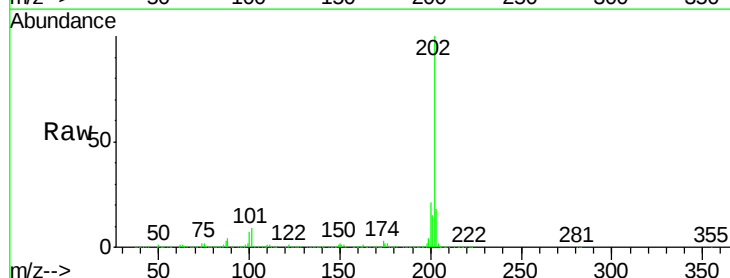
Instrument :
 BNA_M
 ClientSampleId :
 ET0D1

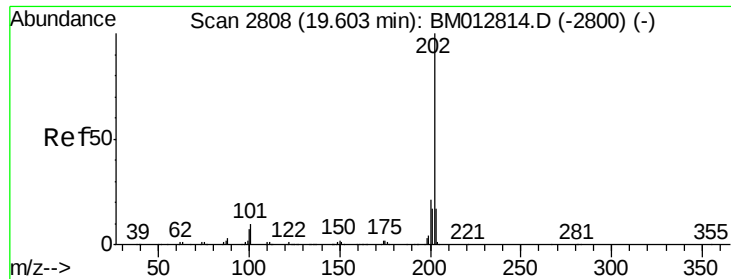
Tot Ion:167 Resp: 87388
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 12.8 11.0 16.4



#76
 Fluoranthene
 Concen: 110.24 ng/ul
 RT: 19.24 min Scan# 2747
 Delta R.T. 0.01 min
 Lab File: BM012815.D
 Acq: 08 Nov 2017 11:34

Tgt Ion:202 Resp: 3877425
 Ion Ratio Lower Upper
 202 100
 101 8.6 8.8 13.2#
 100 6.7 6.6 9.8





#79

Pvrene

Concen: 100.32 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ETOD1

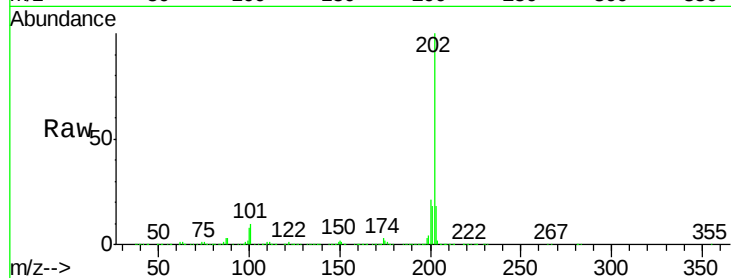
Tot Ion:202 Resp: 3034907

Ion Ratio Lower Upper

202 100

101 9.6 10.2 15.2#

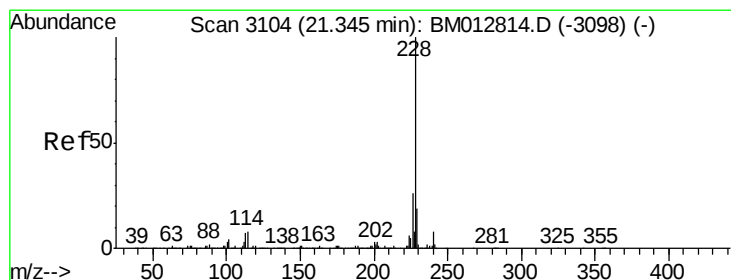
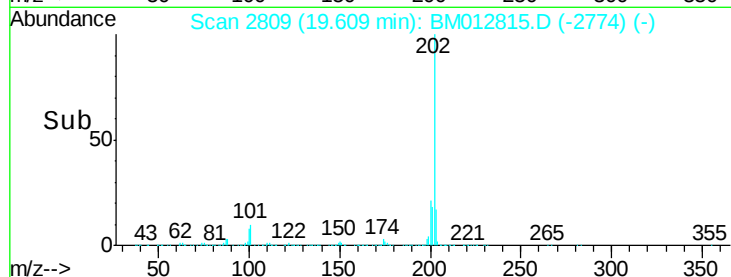
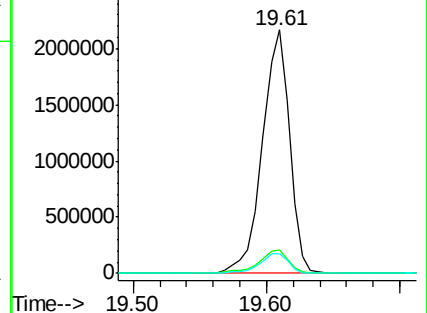
100 8.1 8.5 12.7#



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



#82

Benzo(a)anthracene

Concen: 55.12 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

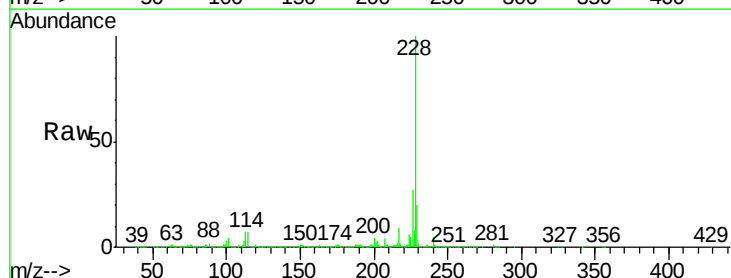
Tgt Ion:228 Resp: 1691254

Ion Ratio Lower Upper

228 100

229 20.2 15.7 23.5

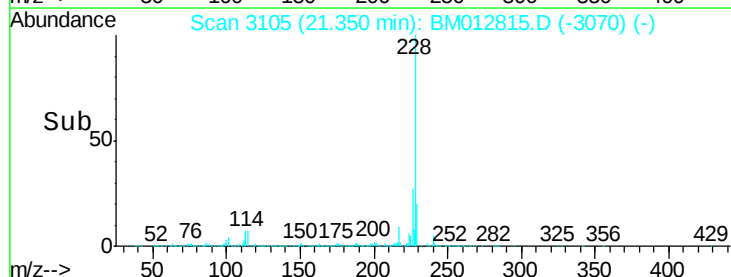
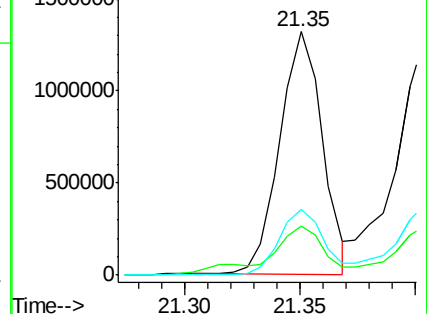
226 27.1 21.8 32.6

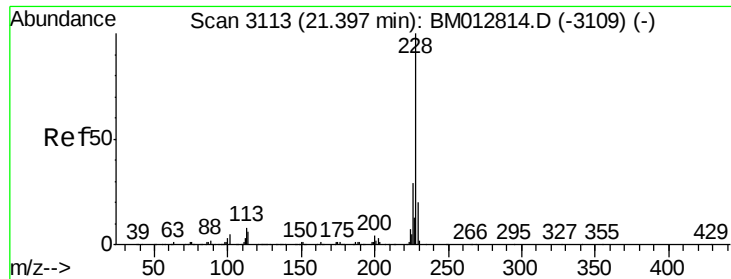


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

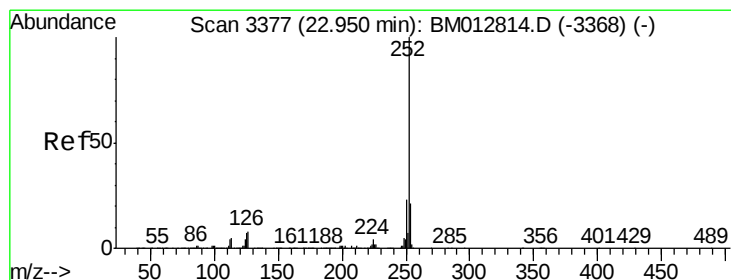
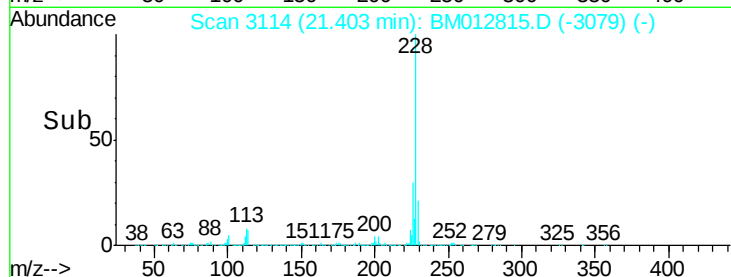
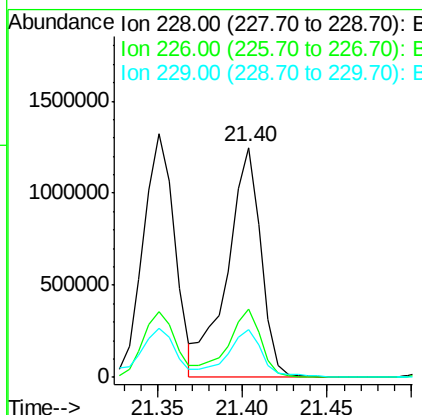
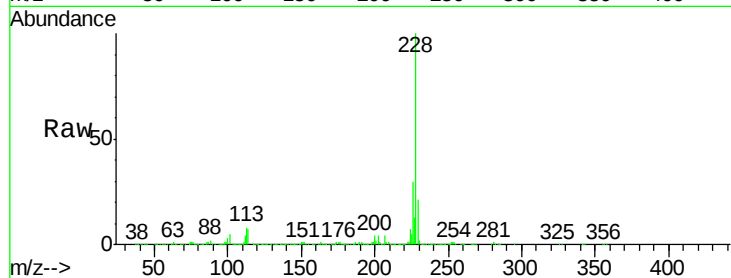




#84
 Chrysene
 Concen: 61.74 ng/ul
 RT: 21.40 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: BM012815.D
 Acq: 08 Nov 2017 11:34

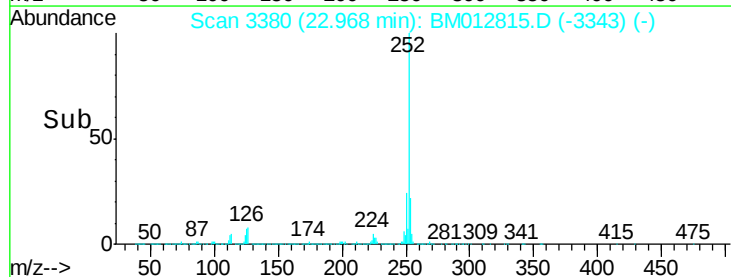
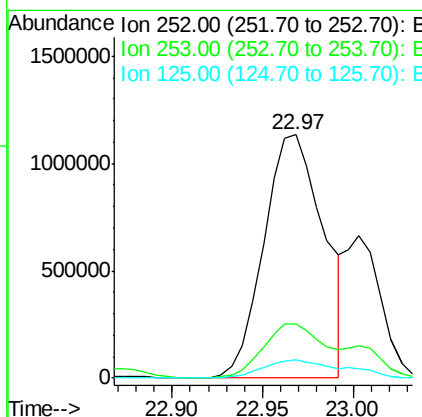
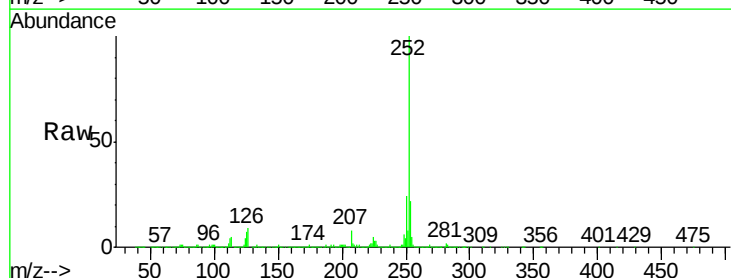
Instrument :
 BNA_M
 ClientSampleId :
 ET0D1

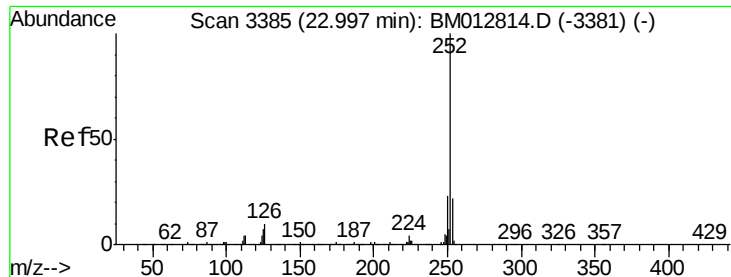
Tot Ion:228 Resp: 1716603
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.0 36.0
 229 21.1 15.6 23.4



#87
 Benzo(b)fluoranthene
 Concen: 74.81 ng/ul
 RT: 22.97 min Scan# 3380
 Delta R.T. 0.02 min
 Lab File: BM012815.D
 Acq: 08 Nov 2017 11:34

Tgt Ion:252 Resp: 2602088
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 7.3 8.5 12.7#





#88

Benzo(k)fluoranthene

Concen: 26.46 ng/ul

RT: 23.00 min Scan# 3386

Delta R.T. 0.01 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ET0D1

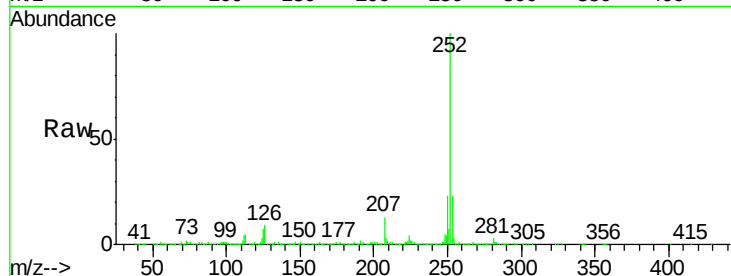
Tot Ion:252 Resp: 874791

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

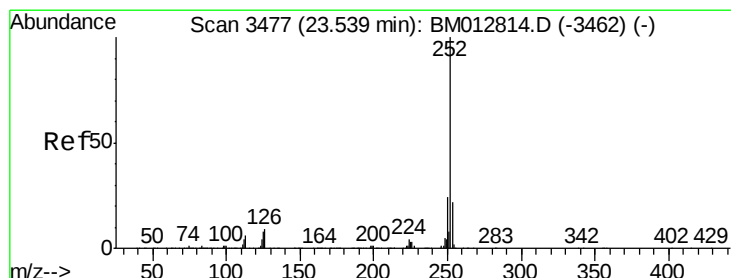
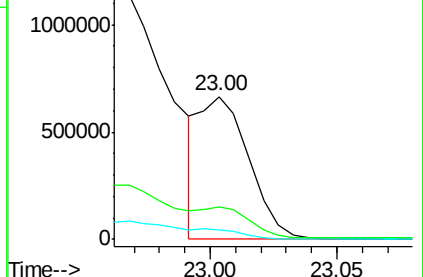
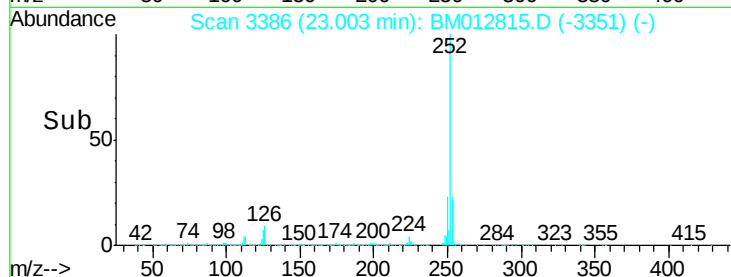
125 6.9 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 35.99 ng/ul

RT: 23.45 min Scan# 3462

Delta R.T. -0.09 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

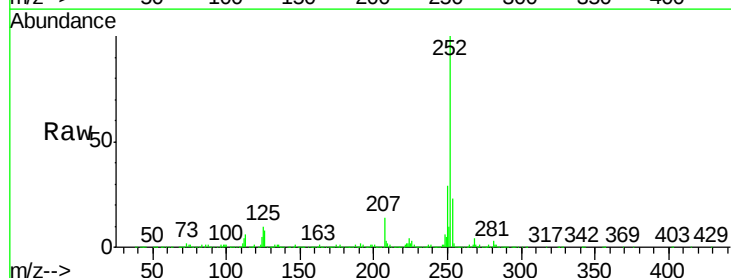
Tgt Ion:252 Resp: 1191155

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

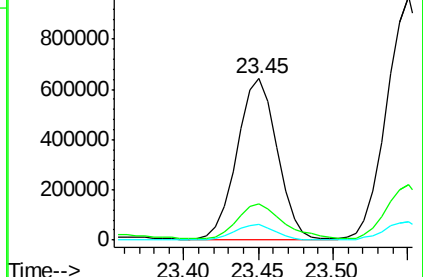
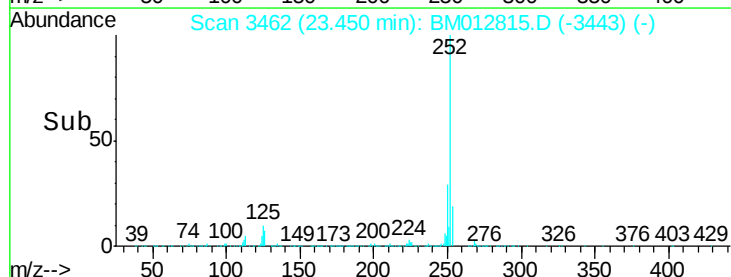
125 10.0 9.0 13.6

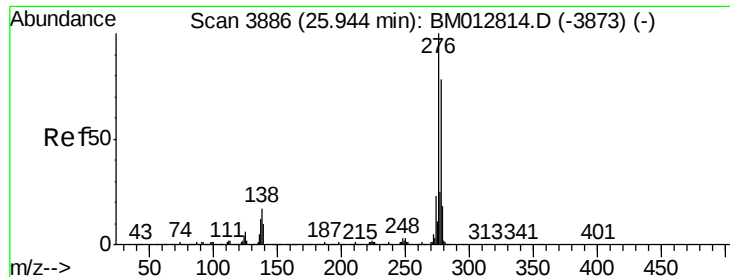


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 35.26 ng/ul

RT: 25.96 min Scan# 3889

Delta R.T. 0.02 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ETOD1

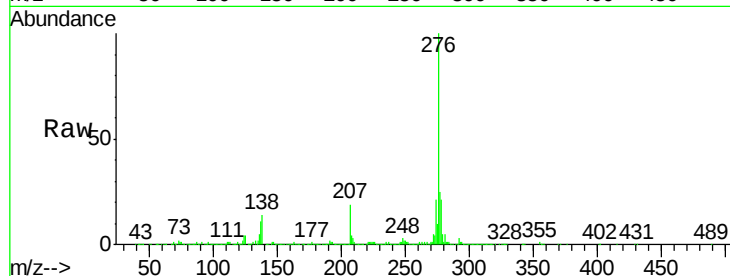
Tot Ion:276 Resp: 1406475

Ion Ratio Lower Upper

276 100

138 14.1 22.3 33.5#

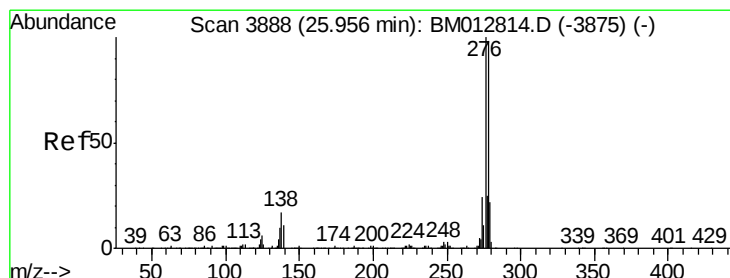
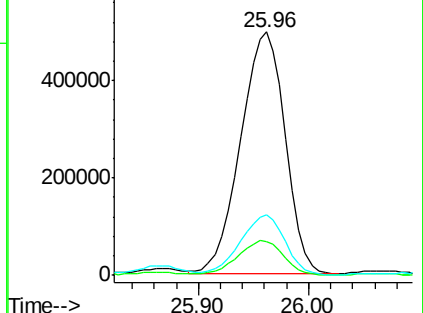
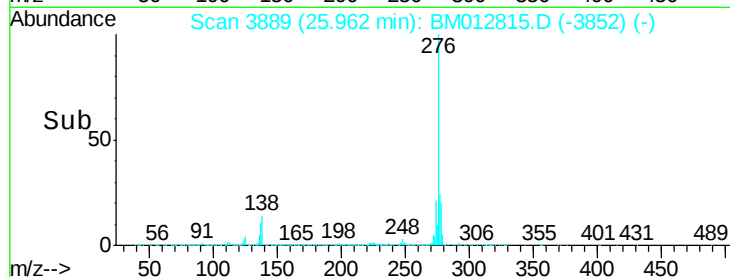
277 24.7 20.2 30.2



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



#92

Dibenzo(a,h)anthracene

Concen: 3.04 ng/ul

RT: 26.06 min Scan# 3906

Delta R.T. 0.11 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

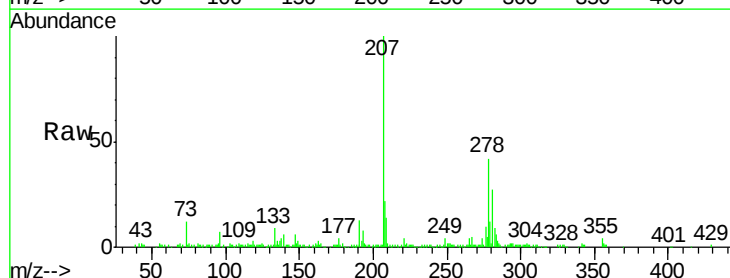
Tgt Ion:278 Resp: 102752

Ion Ratio Lower Upper

278 100

139 14.0 13.9 20.9

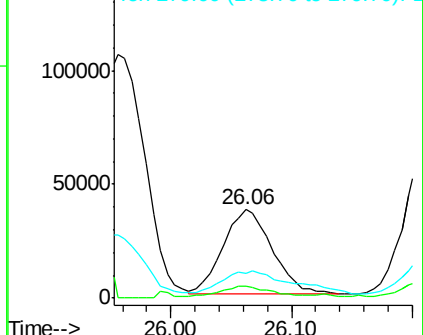
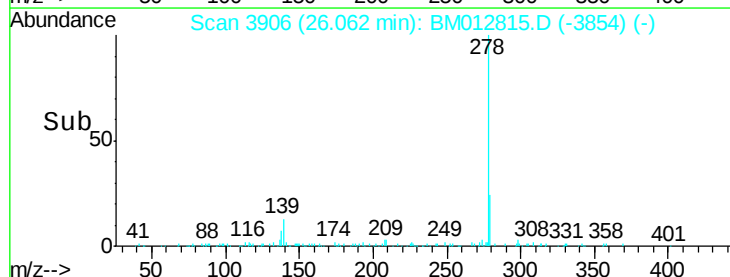
279 28.0 19.0 28.4

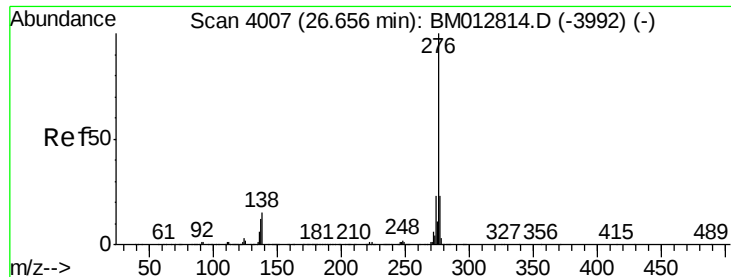


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 37.09 ng/ul

RT: 26.67 min Scan# 4010

Delta R.T. 0.02 min

Lab File: BM012815.D

Acq: 08 Nov 2017 11:34

Instrument :

BNA_M

ClientSampleId :

ET0D1

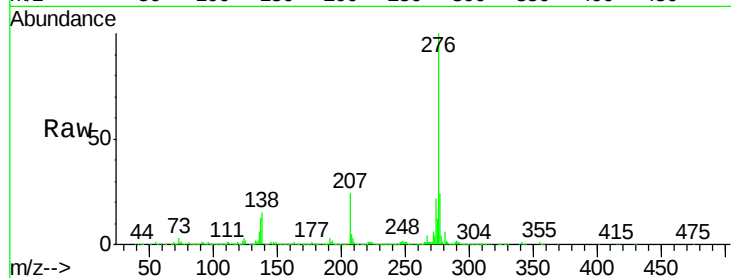
Tot Ion:276 Resp: 1218944

Ion Ratio Lower Upper

276 100

138 14.5 18.9 28.3#

277 24.1 19.2 28.8



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

