

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012439.D
 Acq On : 25 Oct 2017 11:14
 Operator : SJ/JU
 Sample : I5693-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 01:10:34 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	556316	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2377442	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1569406	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	3861544	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	3711035	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	3351433	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	46906	4.31	ng/uL	0.00
5) Phenol-d5	7.05	99	1118864	24.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	669071	24.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	893477	25.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	962469	24.23	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	443599	29.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	521012	33.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	1031000	25.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	391608	9.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	3315114	24.18	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	4133897	25.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	398595	19.56	ng/ul	0.00
57) Fluorene-d10	15.50	176	3009131	25.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	395114	21.14	ng/ul	0.00
70) Anthracene-d10	17.34	188	4842823	26.32	ng/ul	0.00
76) Pyrene-d10	19.63	212	5302879	31.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	4150480	26.07	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	7.02	77	29044	1.15	ng/ul 90
6) Phenol	7.07	94	251601	5.20	ng/ul 91
16) 4-Methylphenol	8.64	108	600072	15.03	ng/ul# 78
28) Naphthalene	10.72	128	353610	3.00	ng/ul 99
34) 2-Methylnaphthalene	12.33	142	118067	1.23	ng/ul 97
44) Dimethylphthalate	13.96	163	1413871	10.43	ng/ul 100
49) Acenaphthene	14.57	153	334282	3.15	ng/ul 98
53) Dibenzofuran	14.90	168	236805	1.51	ng/ul 95
58) Fluorene	15.55	166	389456	2.94	ng/ul 100
69) Phenanthrene	17.29	178	4122736	19.74	ng/ul 99
71) Anthracene	17.38	178	1181014	5.47	ng/ul 97
72) Carbazole	17.64	167	280479	1.57	ng/ul# 93
74) Fluoranthene	19.30	202	8880653	37.53	ng/ul# 93
77) Pyrene	19.66	202	8340943	39.52	ng/ul# 92
80) Benzo(a)anthracene	21.41	228	4307179	19.38	ng/ul 95
82) Chrysene	21.41	228	4307179	21.80	ng/ul 96
85) Benzo(b)fluoranthene	23.04	252	5117618	24.70	ng/ul# 78
86) Benzo(k)fluoranthene	23.04	252	5117618	26.25	ng/ul# 76
88) Benzo(a)pyrene	23.63	252	3659202	18.52	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.08	276	2332936	10.04	ng/ul# 96
90) Dibenzo(a,h)anthracene	26.09	278	617509	3.13	ng/ul# 74
91) Benzo(a,h,i)perylene	26.80	276	1926670	10.23	ng/ul# 94

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QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration

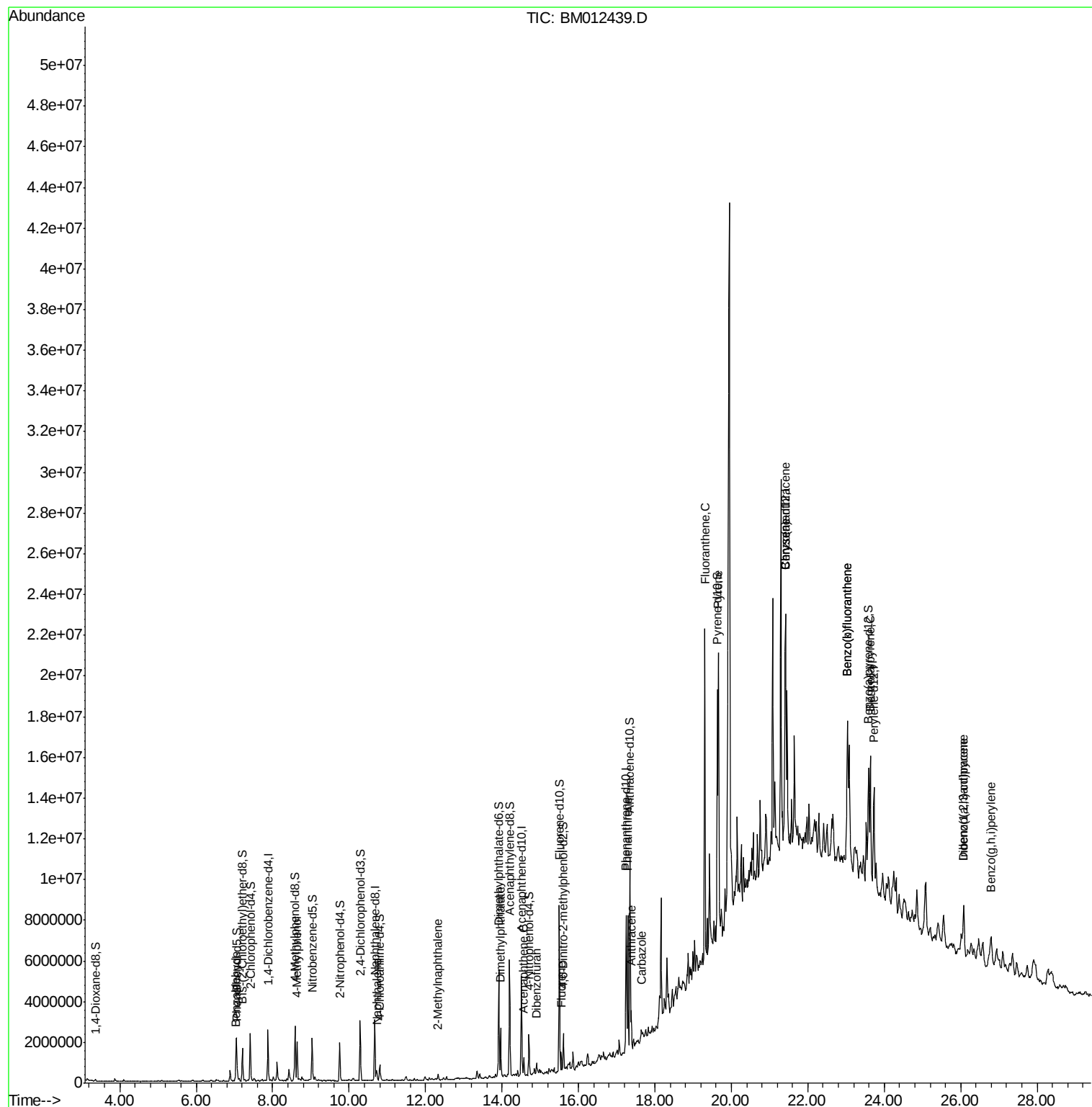
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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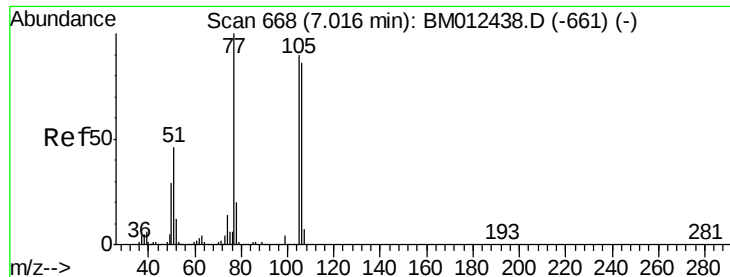
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyd

Concen: 1.15 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampled :

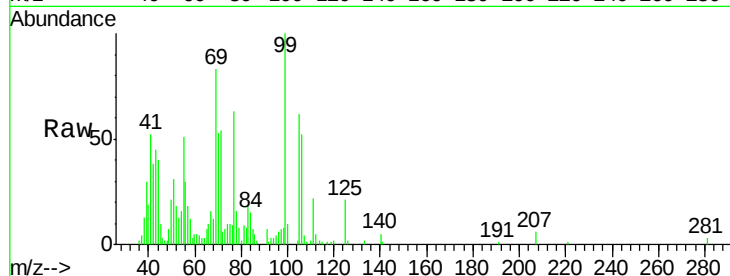
Tot Ion: 77 Resp: 29044

Ion Ratio Lower Upper

77 100

105 98.1 66.1 99.1

106 82.0 67.8 101.6

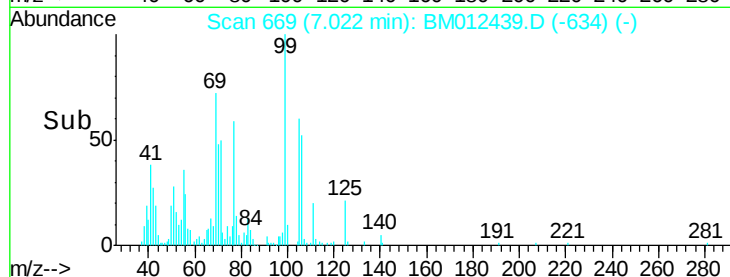


Abundance Ion 77.00 (76.70 to 77.70): BM012438.D (-661) (-)

Ion 105.00 (104.70 to 105.70): BM012438.D (-661) (-)

Ion 106.00 (105.70 to 106.70): BM012438.D (-661) (-)

Time-->

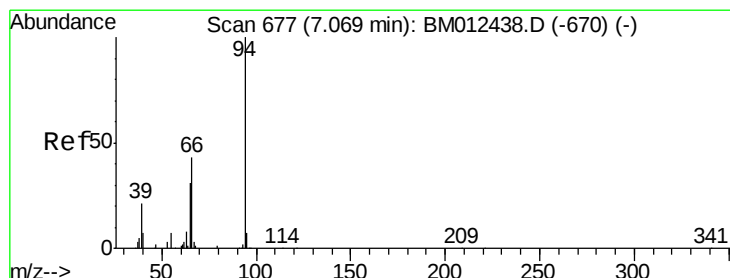


Abundance Ion 77.00 (76.70 to 77.70): BM012439.D (-634) (-)

Ion 105.00 (104.70 to 105.70): BM012439.D (-634) (-)

Ion 106.00 (105.70 to 106.70): BM012439.D (-634) (-)

Time-->



#6

Phenol

Concen: 5.20 ng/ul

RT: 7.07 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

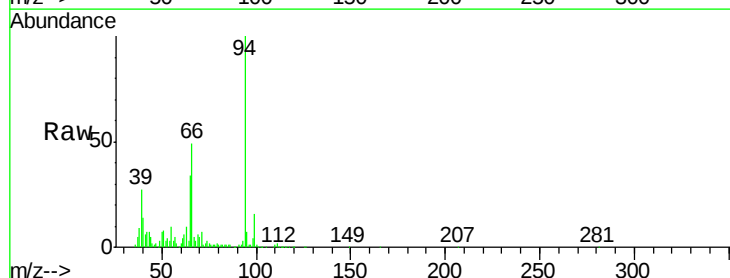
Tgt Ion: 94 Resp: 251601

Ion Ratio Lower Upper

94 100

65 33.7 28.2 42.4

66 48.9 47.2 70.8

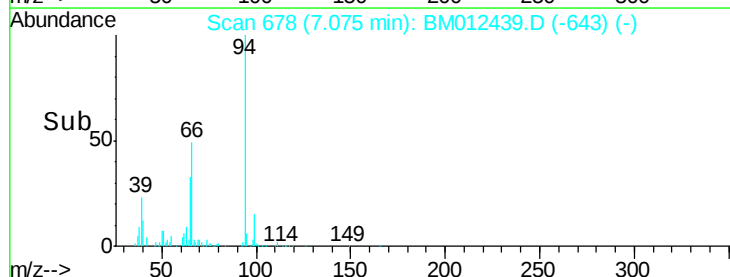


Abundance Ion 94.00 (93.70 to 94.70): BM012438.D (-670) (-)

Ion 65.00 (64.70 to 65.70): BM012438.D (-670) (-)

Ion 66.00 (65.70 to 66.70): BM012438.D (-670) (-)

Time-->

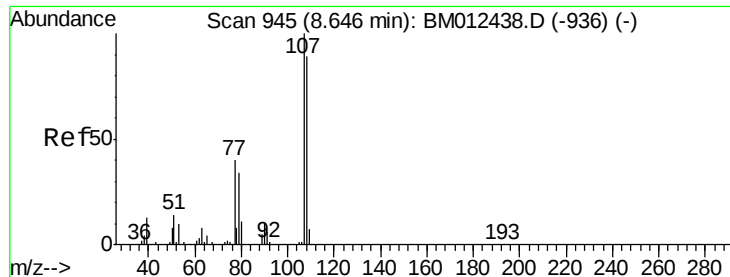


Abundance Ion 94.00 (93.70 to 94.70): BM012439.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM012439.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM012439.D (-643) (-)

Time-->



#16

4-Methylphenol

Concen: 15.03 ng/ul

RT: 8.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

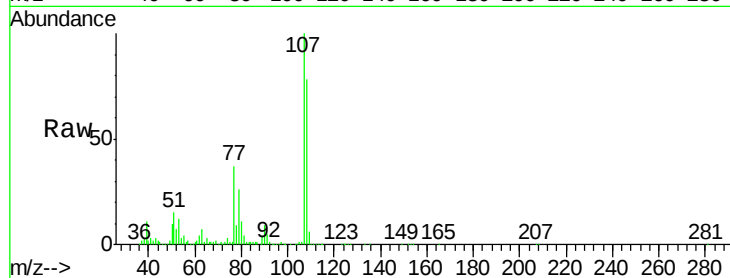
ClientSampleId :

Tot Ion:108 Resp: 600072

Ion Ratio Lower Upper

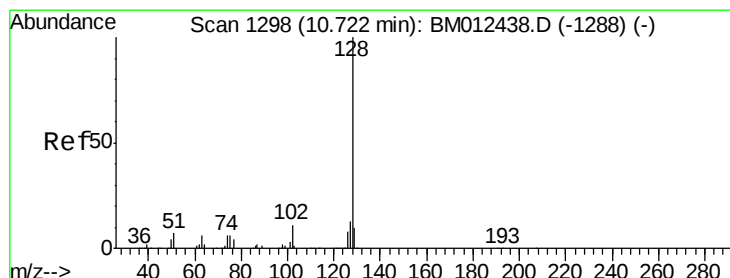
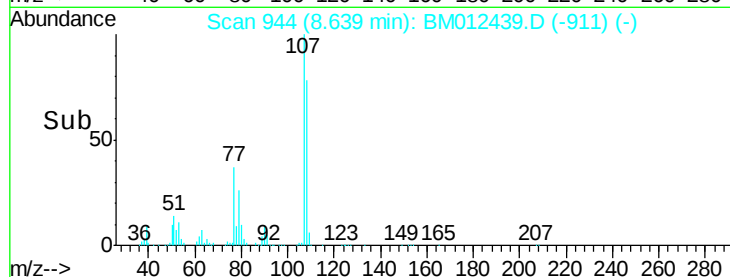
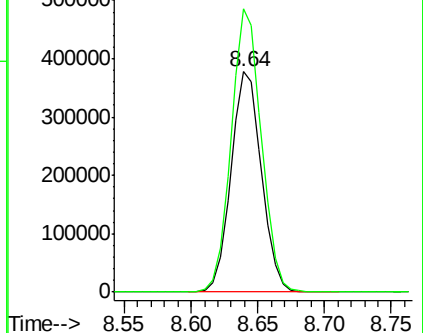
108 100

107 128.5 84.9 127.3#



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#28

Naphthalene

Concen: 3.00 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

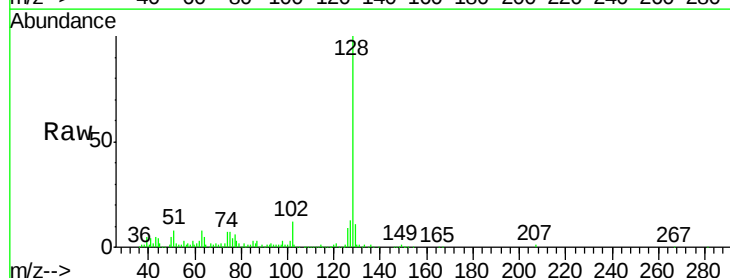
Tgt Ion:128 Resp: 353610

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

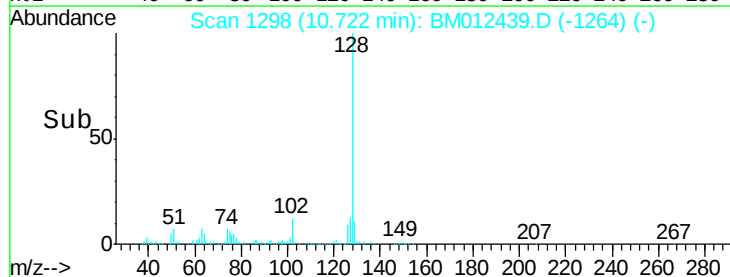
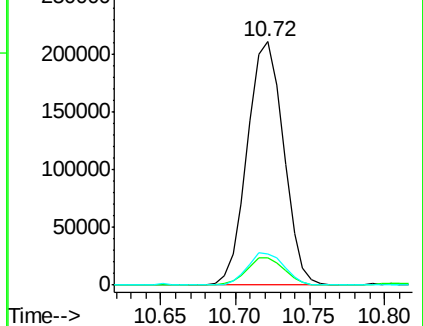
127 12.8 10.6 16.0

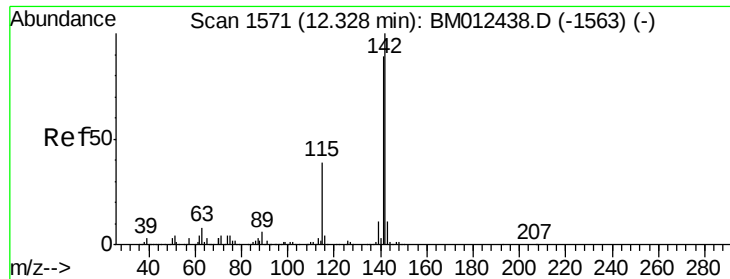


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

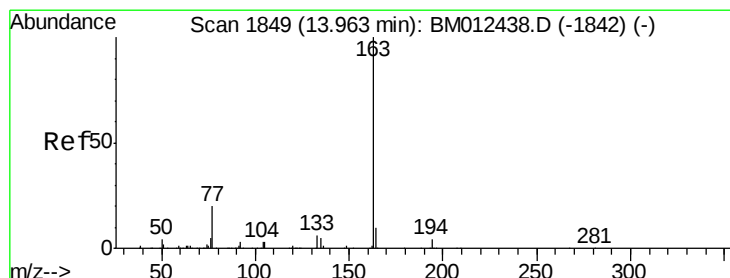
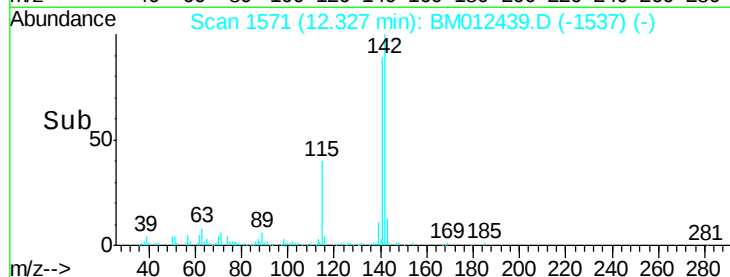
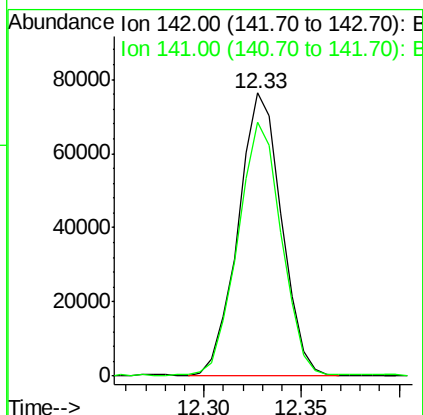
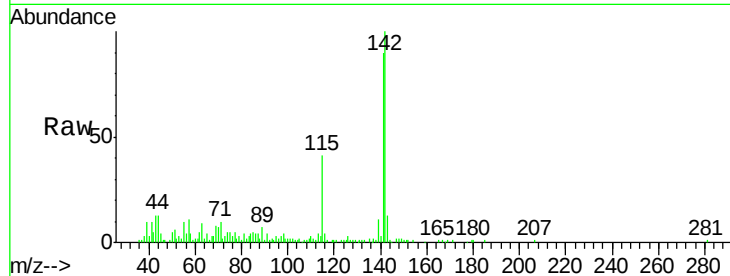




#34
 2-Methylnaphthalene
 Concen: 1.23 ng/ul
 RT: 12.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BM012439.D
 Acq: 25 Oct 2017 11:14

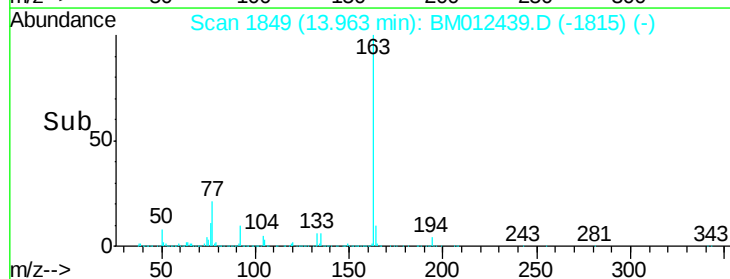
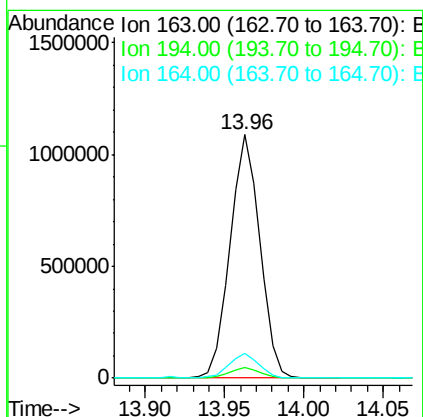
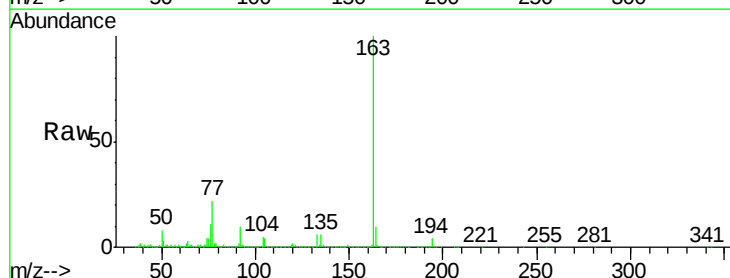
Instrument :
 BNA_M
 ClientSampleId :

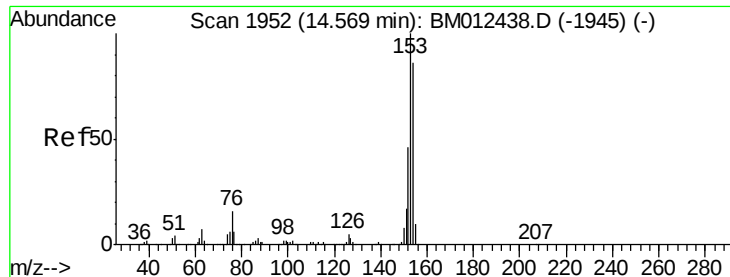
Tot Ion:142 Resp: 118067
 Ion Ratio Lower Upper
 142 100
 141 89.6 74.1 111.1



#44
 Dimethylphthalate
 Concen: 10.43 ng/ul
 RT: 13.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BM012439.D
 Acq: 25 Oct 2017 11:14

Tgt Ion:163 Resp: 1413871
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 10.1 8.2 12.4





#49

Acenaphthene

Concen: 3.15 ng/ul

RT: 14.57 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampleId :

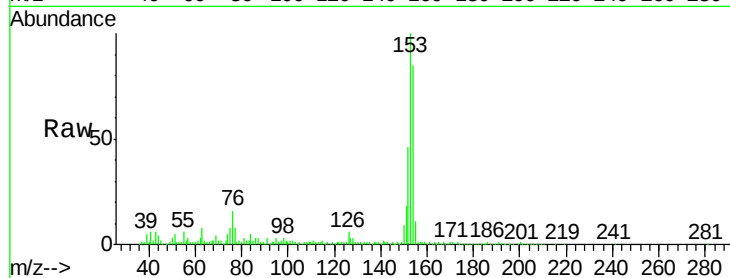
Tot Ion:153 Resp: 334282

Ion Ratio Lower Upper

153 100

152 45.9 37.6 56.4

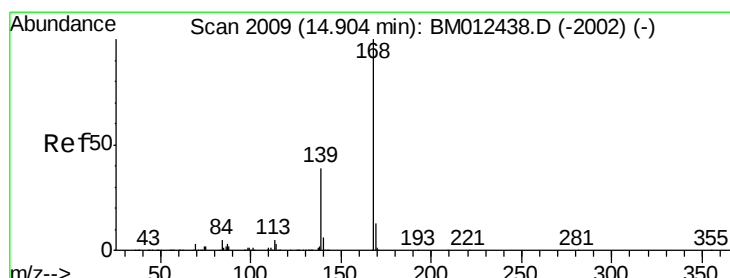
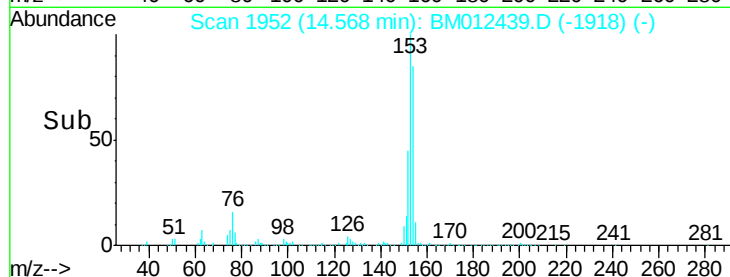
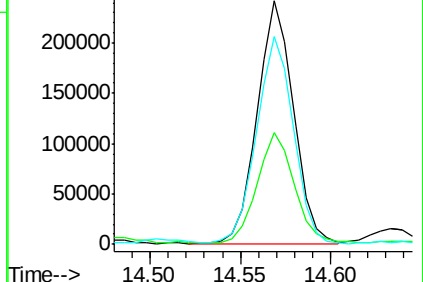
154 85.4 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.51 ng/ul

RT: 14.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BM012439.D

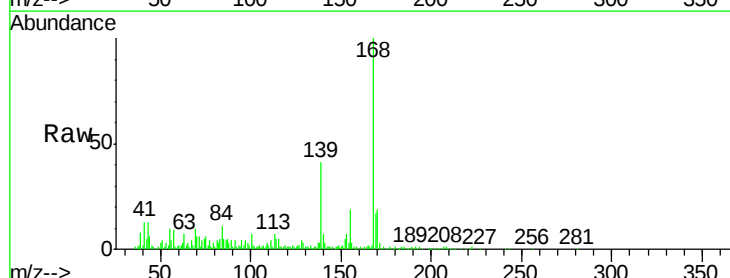
Acq: 25 Oct 2017 11:14

Tgt Ion:168 Resp: 236805

Ion Ratio Lower Upper

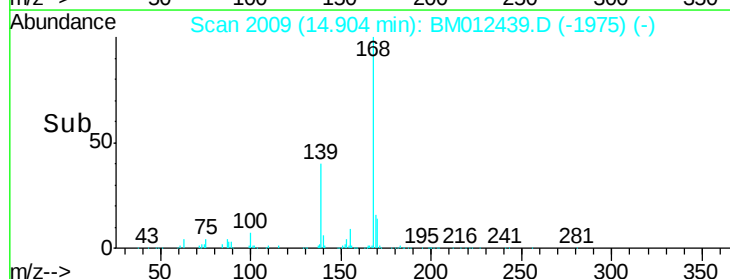
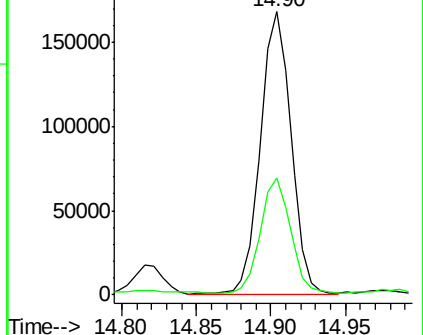
168 100

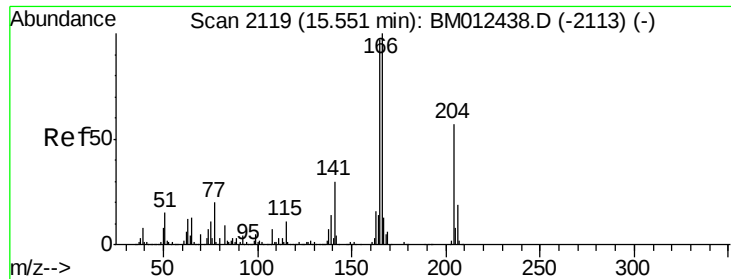
139 41.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.94 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampleId :

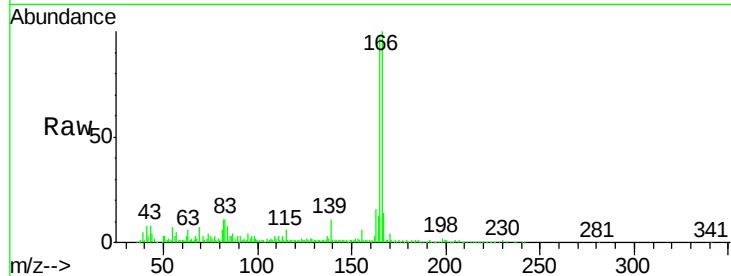
Tot Ion:166 Resp: 389456

Ion Ratio Lower Upper

166 100

165 97.2 77.9 116.9

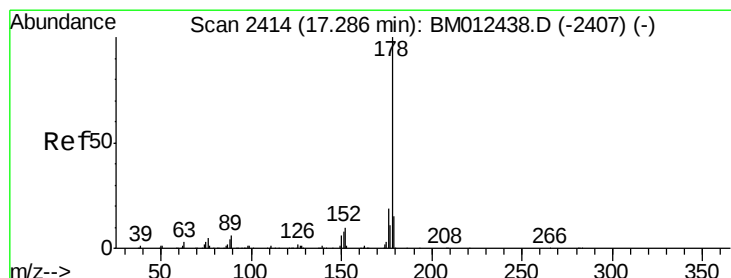
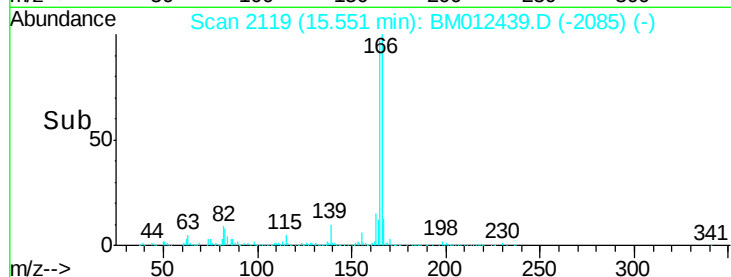
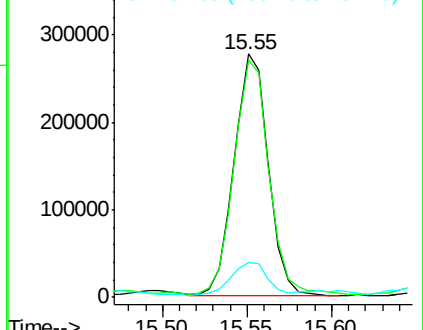
167 14.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 19.74 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

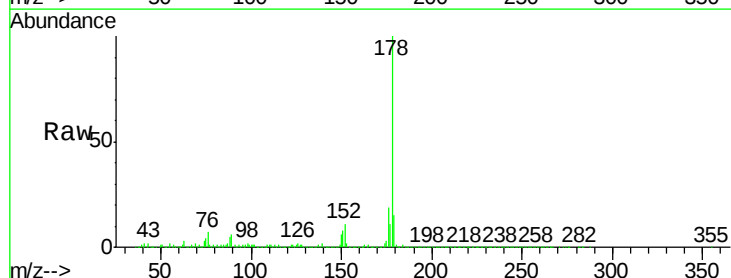
Tgt Ion:178 Resp: 4122736

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

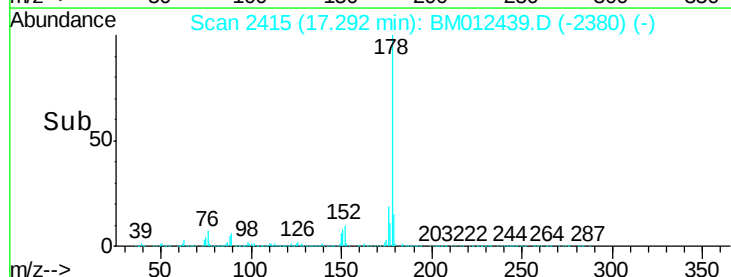
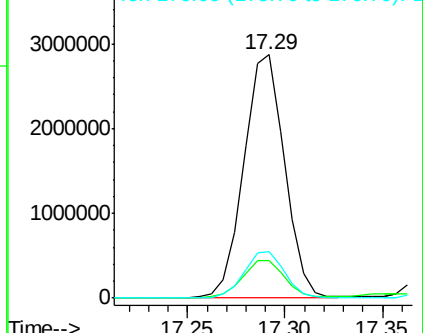
176 19.0 14.9 22.3

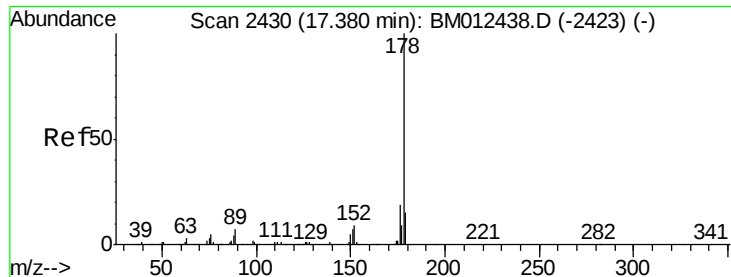


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.47 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

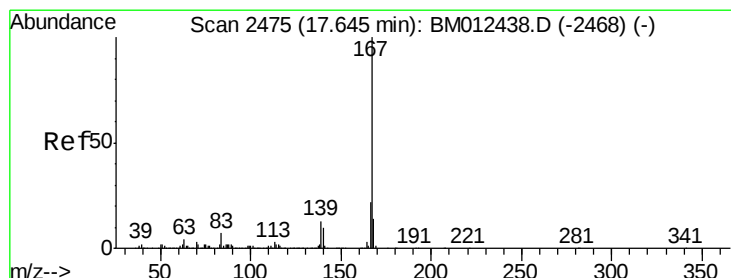
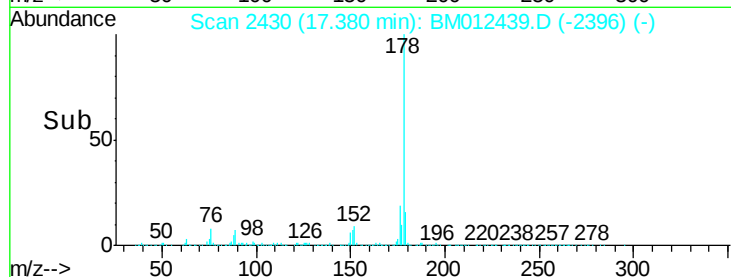
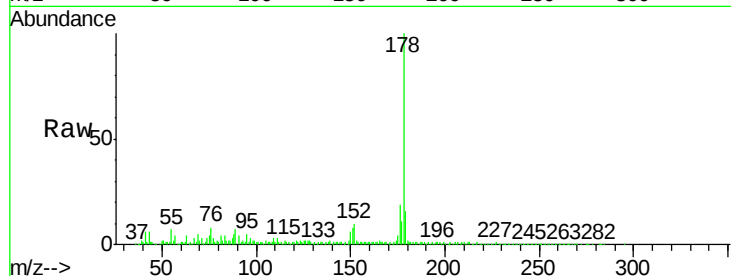
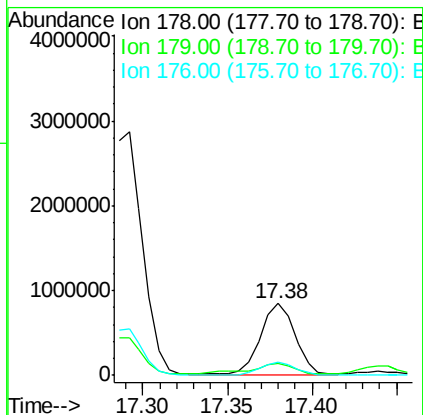
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1181014

Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.7	17.5
176	18.9	14.6	21.8



#72

Carbazole

Concen: 1.57 ng/ul

RT: 17.64 min Scan# 2475

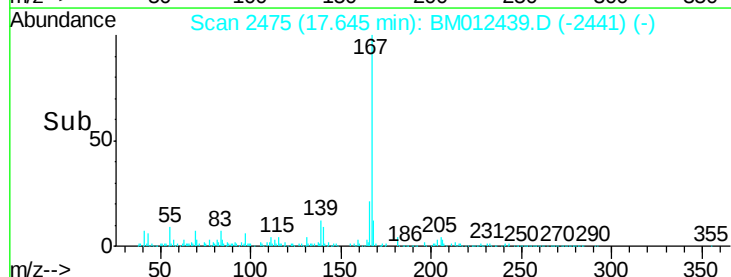
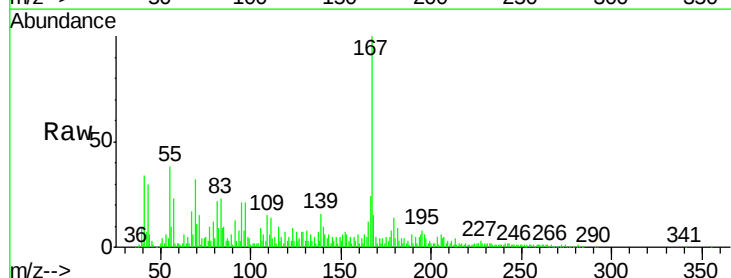
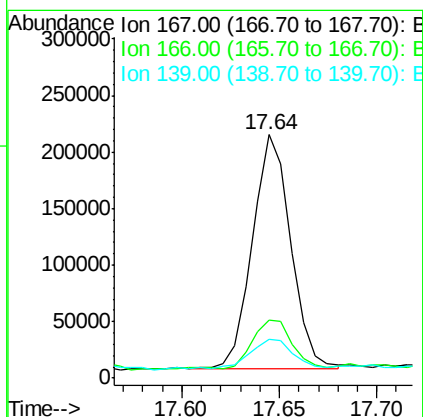
Delta R.T. -0.00 min

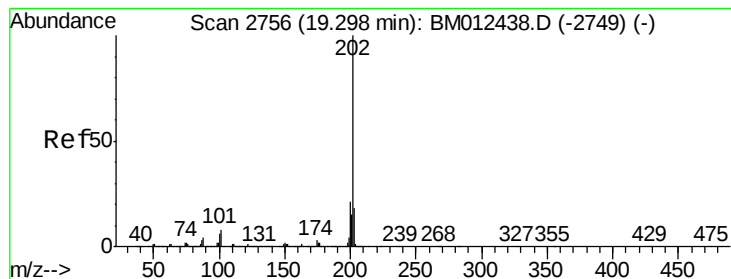
Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Tgt Ion:167 Resp: 280479

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.1	25.7
139	15.9	10.0	15.0#





#74

Fluoranthene

Concen: 37.53 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampleId :

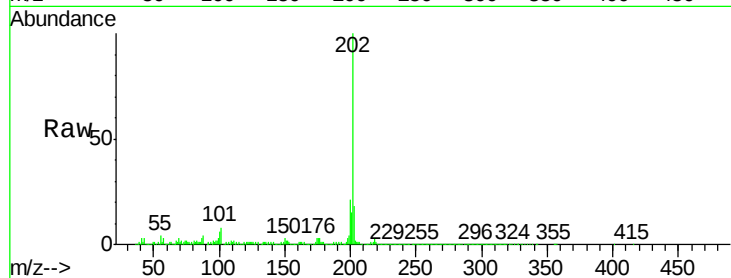
Tot Ion:202 Resp: 8880653

Ion Ratio Lower Upper

202 100

101 8.2 4.6 7.0#

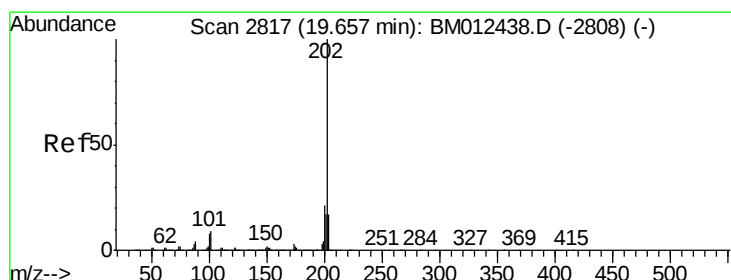
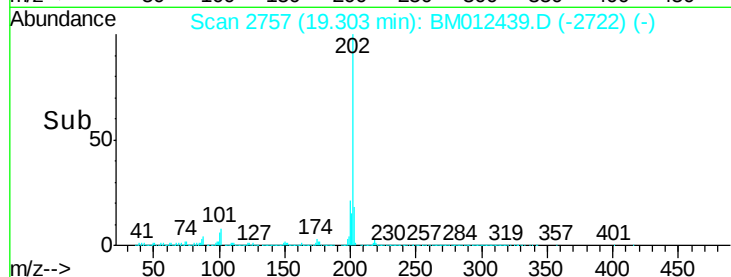
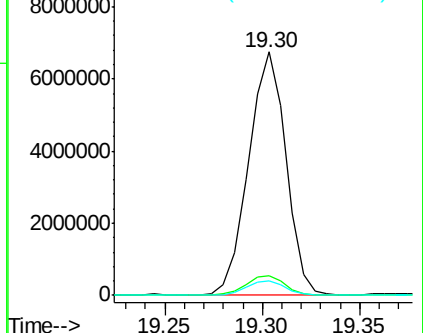
100 6.2 3.4 5.2#



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



#77

Pyrene

Concen: 39.52 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

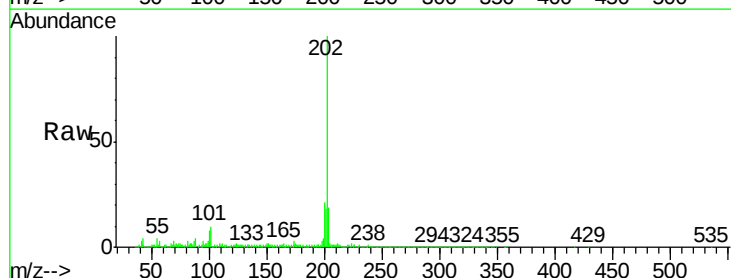
Tgt Ion:202 Resp: 8340943

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

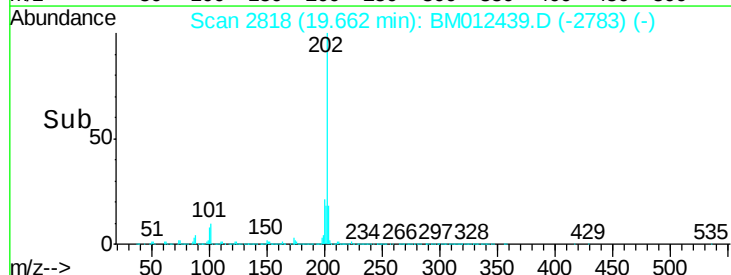
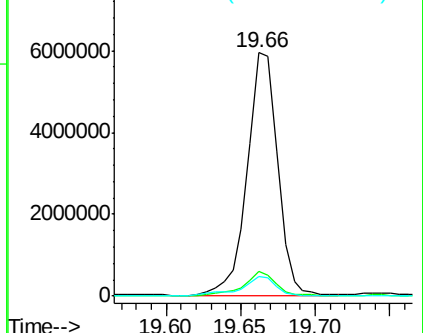
100 8.2 4.9 7.3#

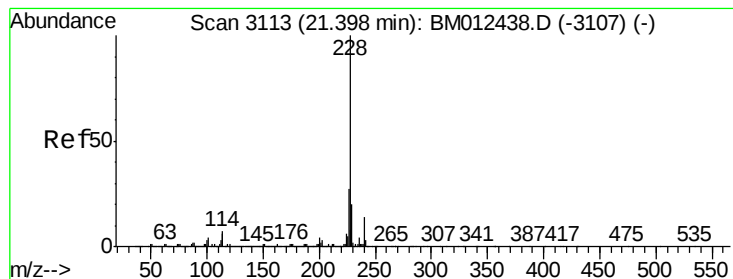


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 19.38 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

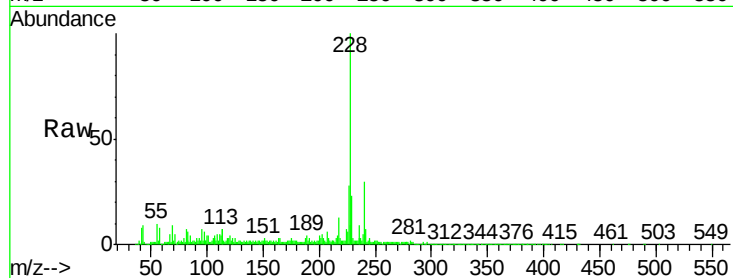
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 4307179

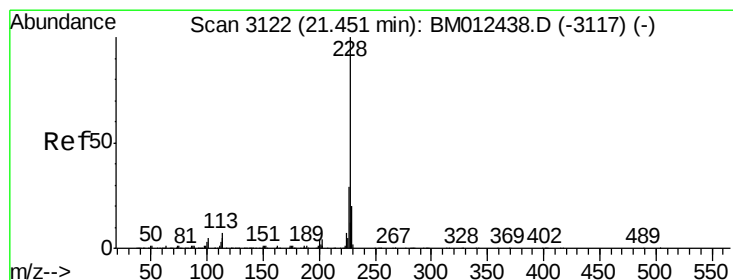
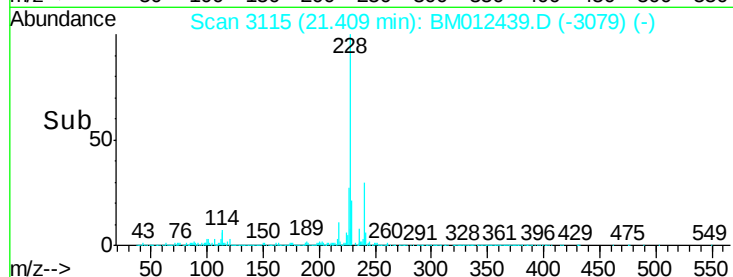
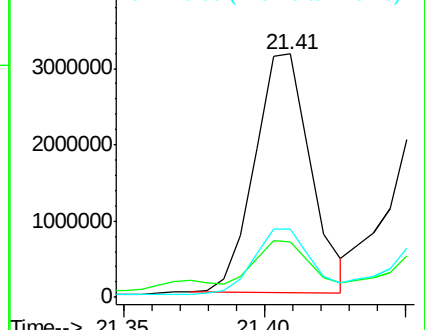
Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.0
226	28.1	21.4	32.0



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: 21.80 ng/ul

RT: 21.41 min Scan# 3115

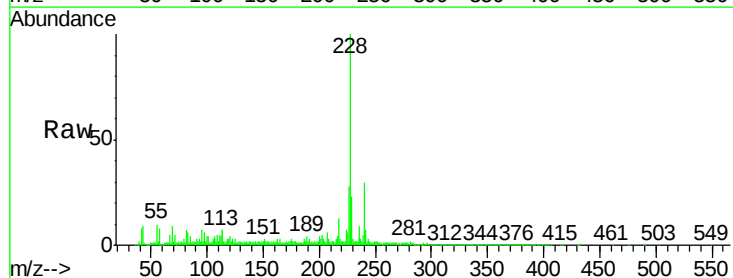
Delta R.T. -0.04 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Tgt Ion:228 Resp: 4307179

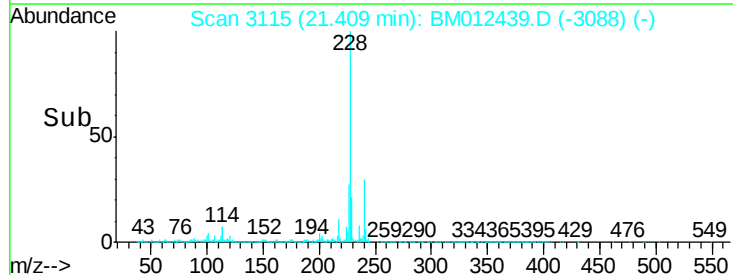
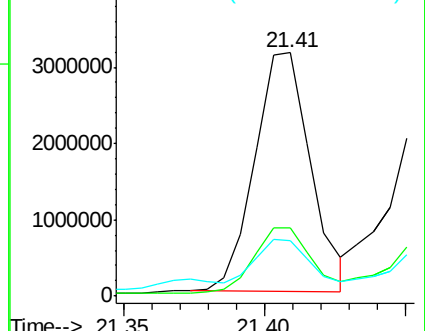
Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.4	35.2
229	23.0	15.5	23.3

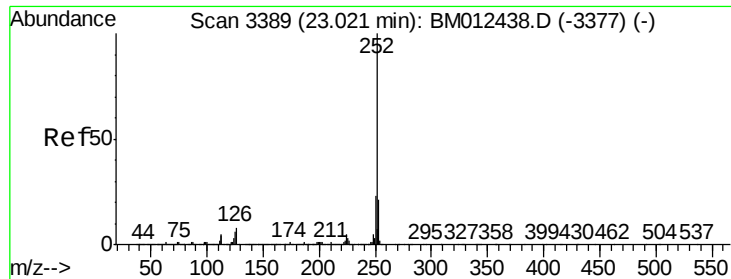


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 24.70 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.02 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampleId :

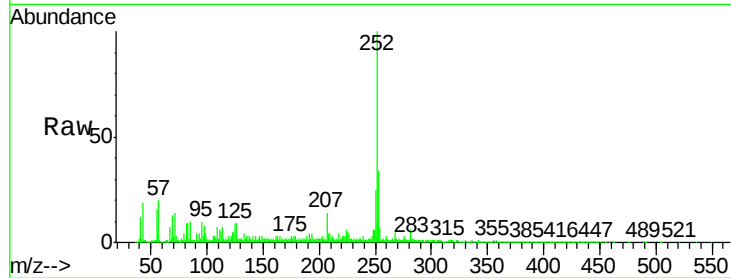
Tot Ion:252 Resp: 5117618

Ion Ratio Lower Upper

252 100

253 33.5 17.9 26.9#

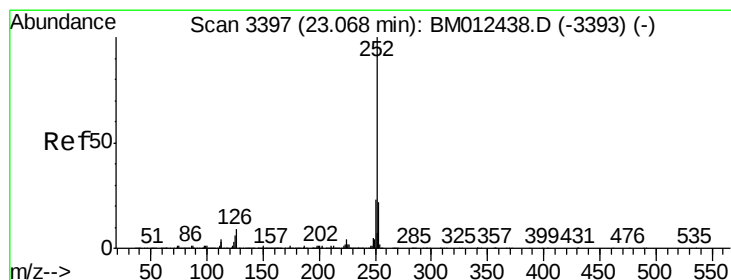
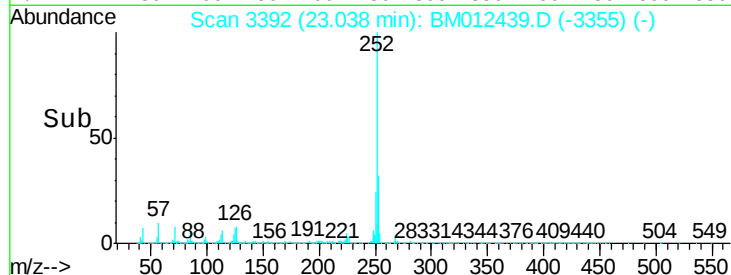
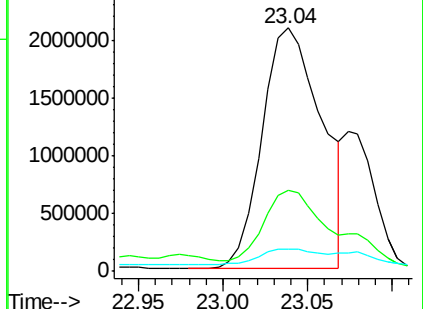
125 9.3 3.6 5.4#



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: 26.25 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.03 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

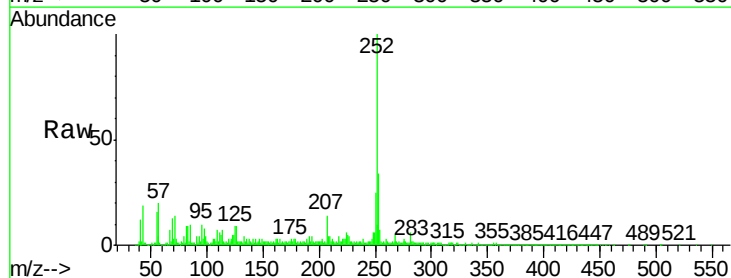
Tgt Ion:252 Resp: 5117618

Ion Ratio Lower Upper

252 100

253 33.5 17.1 25.7#

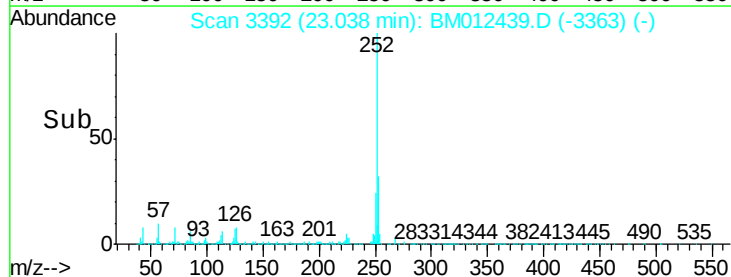
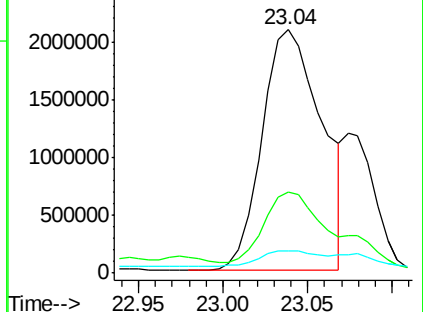
125 9.3 3.4 5.2#

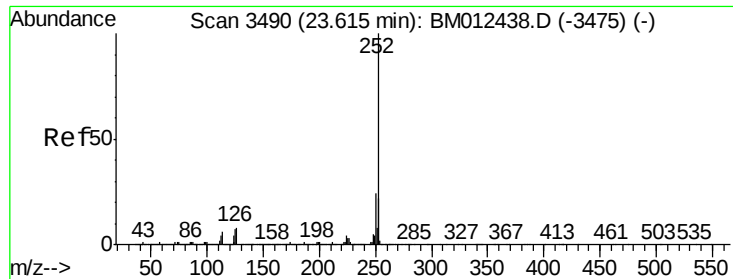


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 18.52 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.02 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

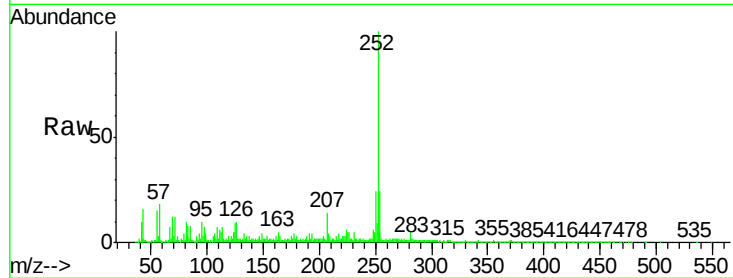
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 3659202

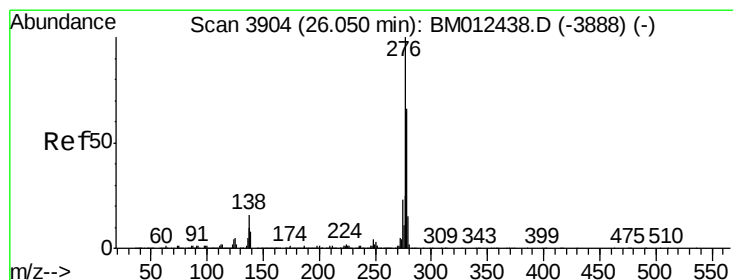
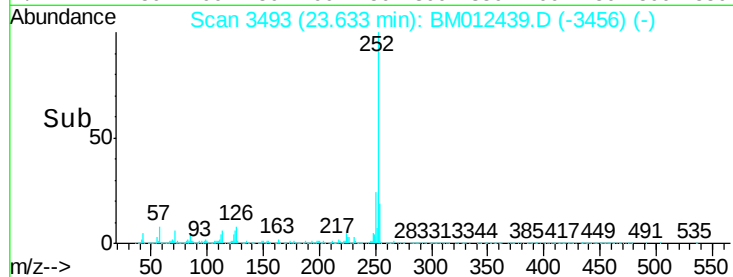
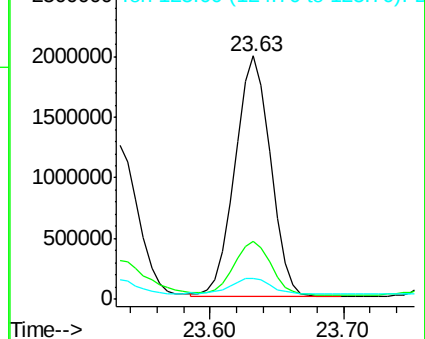
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	8.8	4.0	6.0



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: 10.04 ng/ul

RT: 26.08 min Scan# 3909

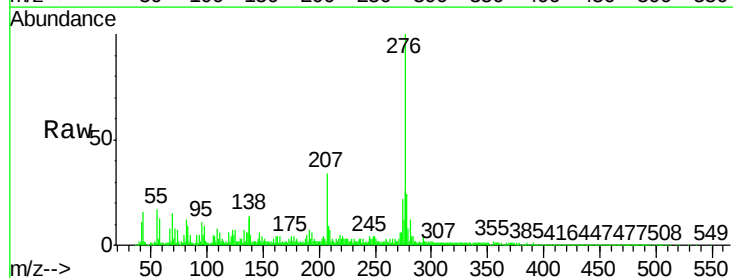
Delta R.T. 0.03 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Tgt Ion:276 Resp: 2332936

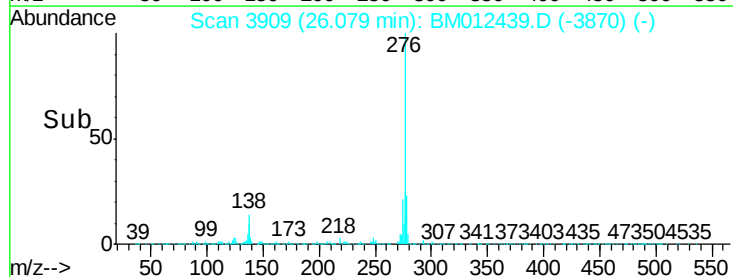
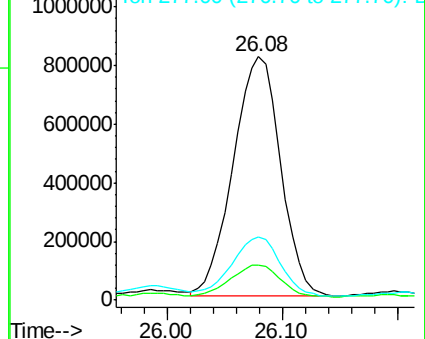
Ion	Ratio	Lower	Upper
276	100		
138	14.3	9.3	13.9
277	26.1	19.9	29.9

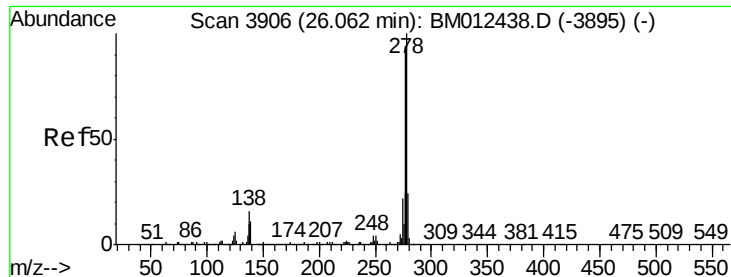


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.13 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. 0.02 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Instrument :

BNA_M

ClientSampleId :

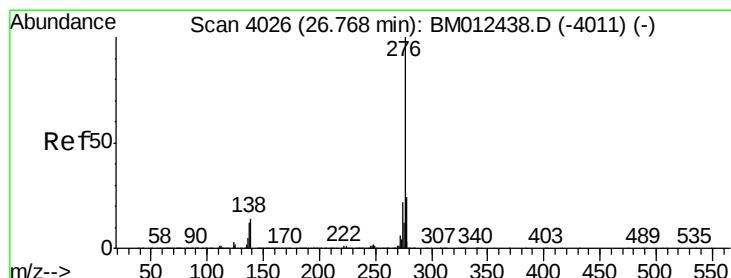
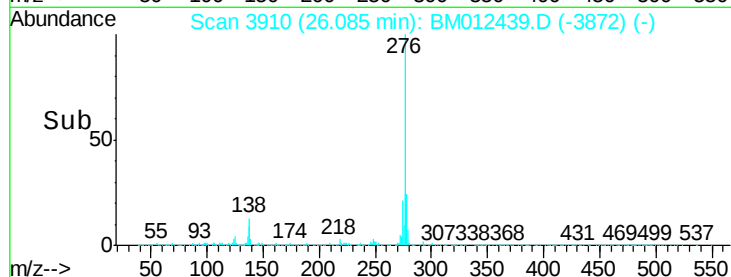
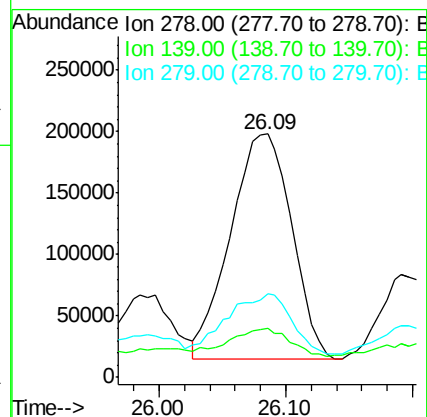
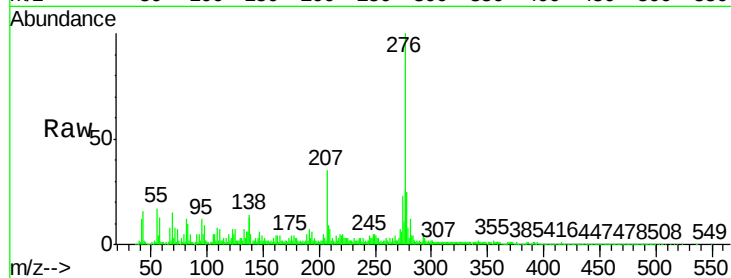
Tot Ion:278 Resp: 617509

Ion Ratio Lower Upper

278 100

139 20.3 5.8 8.8#

279 34.4 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 10.23 ng/ul

RT: 26.80 min Scan# 4031

Delta R.T. 0.03 min

Lab File: BM012439.D

Acq: 25 Oct 2017 11:14

Tgt Ion:276 Resp: 1926670

Ion Ratio Lower Upper

276 100

138 14.4 8.5 12.7#

277 25.3 18.6 28.0

