

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012119.D
 Acq On : 13 Oct 2017 03:28
 Operator : SJ/JU
 Sample : I5490-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 05:05:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	325310	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	1249290	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.49	164	636151	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.24	188	1217682	20.00	ng/ul	0.01
75) Chrysene-d12	21.42	240	1518501	20.00	ng/ul	0.02
83) Perylene-d12	23.76	264	1732511	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	26875	3.93	ng/uL	0.00
5) Phenol-d5	7.01	99	556739	21.09	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	364968	23.06	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	497285	22.21	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	424870	18.70	ng/ul	0.01
19) Nitrobenzene-d5	9.01	128	233120	24.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.73	143	249926	22.44	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	460247	21.64	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	299757	15.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.90	166	1366765	24.31	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	1654167	24.30	ng/ul	0.01
51) 4-Nitrophenol-d4	14.72	143	82763	9.79	ng/ul	0.03
57) Fluorene-d10	15.49	176	1051312	22.78	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.63	200	31614	3.78	ng/ul	0.02
70) Anthracene-d10	17.34	188	1492331	24.79	ng/ul	0.02
76) Pyrene-d10	19.63	212	1660730	21.54	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.61	264	2034090	24.35	ng/ul	0.04

Target Compounds

				Ovalue	
4) Benzaldehyde	6.97	77	173827	9.856	ng/ul# 1
6) Phenol	7.04	94	37418	1.371	ng/ul# 34
14) Acetophenone	8.67	105	700705	20.289	ng/ul 91
17) Hexachloroethane	8.95	117	160810	16.678	ng/ul# 1
24) 2,4-Dimethylphenol	9.85	107	35598	1.479	ng/ul 95
28) Naphthalene	10.70	128	509192	7.878	ng/ul 99
30) 4-Chloroaniline	10.70	127	68861	3.518	ng/ul# 22
32) Caprolactam	11.65	113	12519	1.893	ng/ul 90
34) 2-Methylnaphthalene	12.31	142	171009	3.506	ng/ul 98
44) Dimethylphthalate	13.94	163	560467	9.950	ng/ul 99
69) Phenanthrene	17.28	178	206213	2.977	ng/ul 97
71) Anthracene	17.28	178	206213	2.876	ng/ul 95
74) Fluoranthene	19.30	202	472580	5.653	ng/ul# 91
77) Pyrene	19.66	202	463483	4.622	ng/ul# 89
80) Benzo(a)anthracene	21.40	228	334870	3.389	ng/ul# 80
81) Bis(2-ethylhexyl)phthalate	21.31	149	74653	1.114	ng/ul# 72
82) Chrysene	21.46	228	530933	5.723	ng/ul# 84
85) Benzo(b)fluoranthene	23.05	252	662866	5.863	ng/ul# 66
86) Benzo(k)fluoranthene	23.05	252	662866	6.084	ng/ul# 63
88) Benzo(a)pyrene	23.66	252	384622	3.609	ng/ul# 56
89) Indeno(1,2,3-cd)pyrene	26.16	276	302643	2.674	ng/ul# 64
91) Benzo(a,h,i)perylene	26.90	276	325689	3.514	ng/ul# 64

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Response via : Initial Calibration

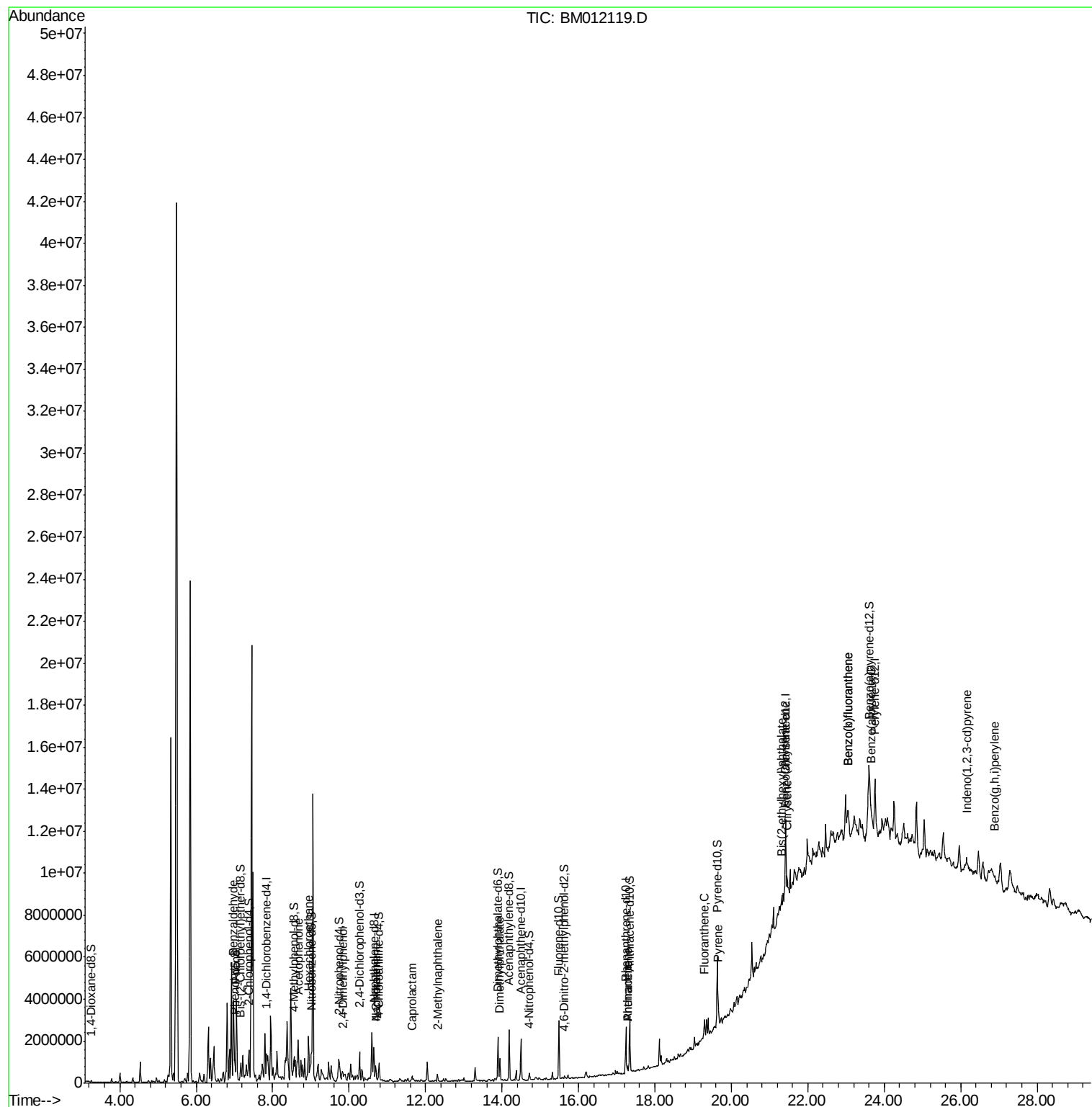
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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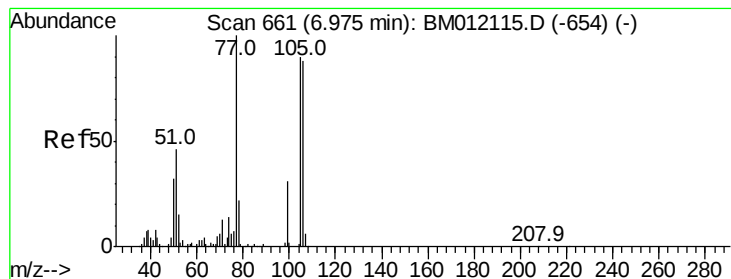
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 9.856 ng/ul

RT: 6.97 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

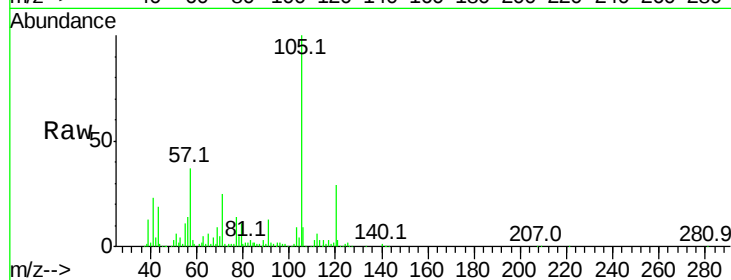
Tot Ion: 77 Resp: 173827

Ion Ratio Lower Upper

77 100

105 739.6 66.1 99.1#

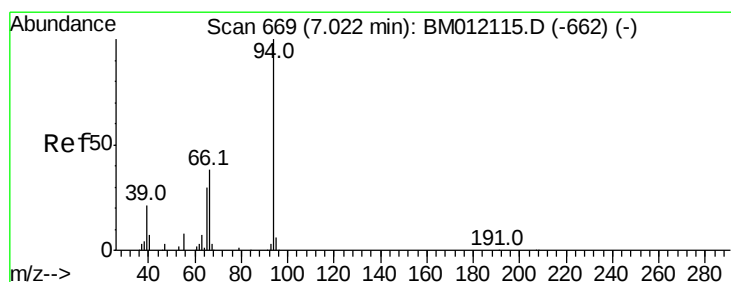
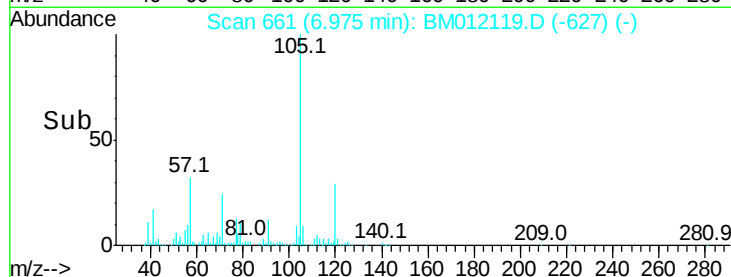
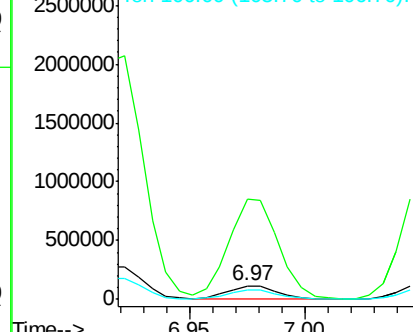
106 66.8 67.8 101.6#



Abundance Ion 77.00 (76.70 to 77.70): BM012119.D (-627) (-)

Ion 105.00 (104.70 to 105.70): BM012119.D (-627) (-)

Ion 106.00 (105.70 to 106.70): BM012119.D (-627) (-)



#6

Phenol

Concen: 1.371 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

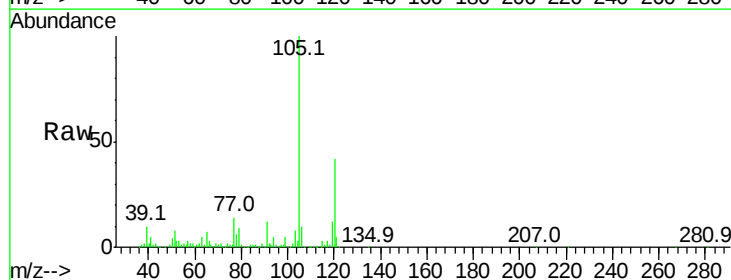
Tgt Ion: 94 Resp: 37418

Ion Ratio Lower Upper

94 100

65 129.7 28.2 42.4#

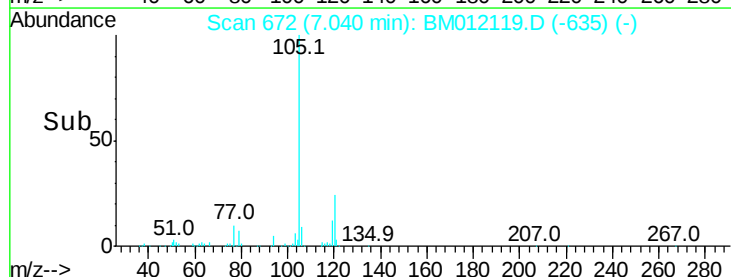
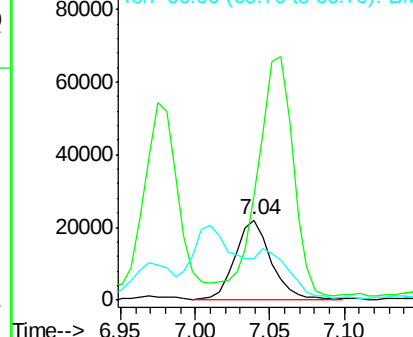
66 52.4 47.2 70.8

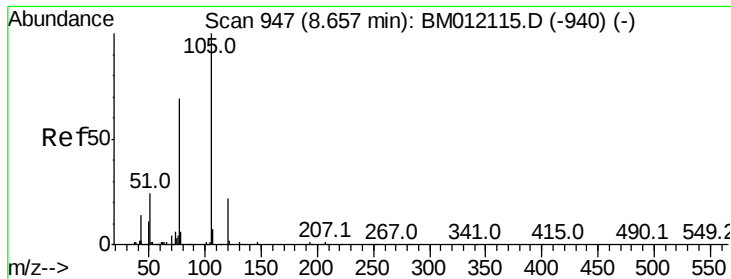


Abundance Ion 94.00 (93.70 to 94.70): BM012119.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BM012119.D (-635) (-)

Ion 66.00 (65.70 to 66.70): BM012119.D (-635) (-)





#14

Acetophenone

Concen: 20.289 ng/ul

RT: 8.67 min Scan# 949

Delta R.T. 0.01 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

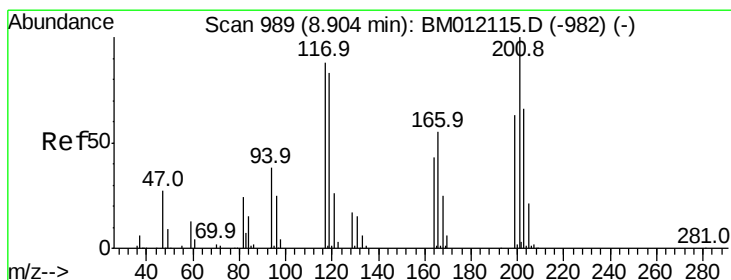
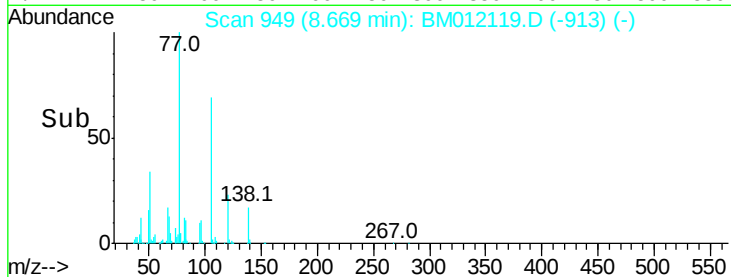
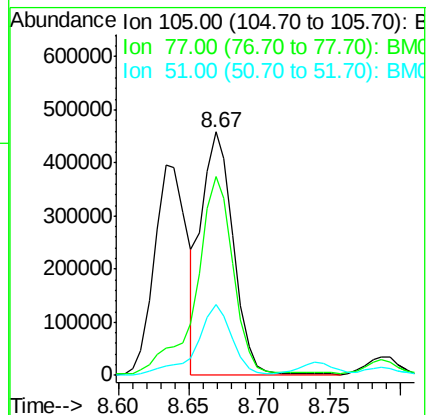
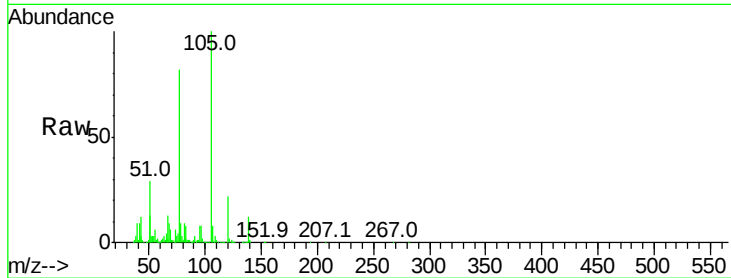
Tot Ion:105 Resp: 700705

Ion Ratio Lower Upper

105 100

77 81.7 74.2 111.4

51 28.8 23.4 35.2



#17

Hexachloroethane

Concen: 16.678 ng/ul

RT: 8.95 min Scan# 996

Delta R.T. 0.04 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

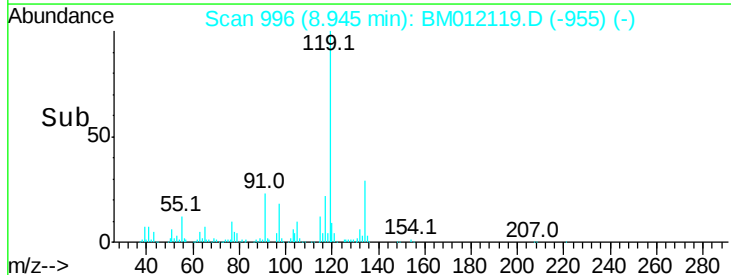
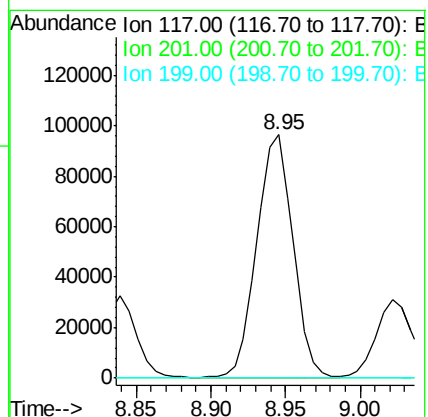
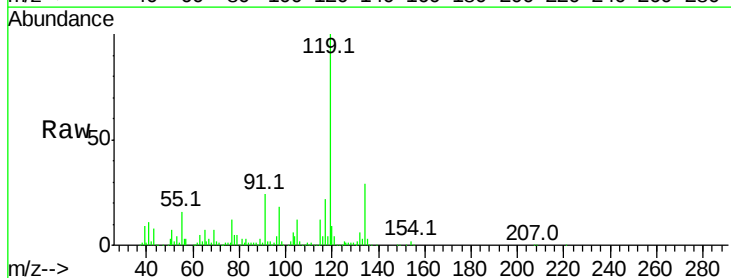
Tgt Ion:117 Resp: 160810

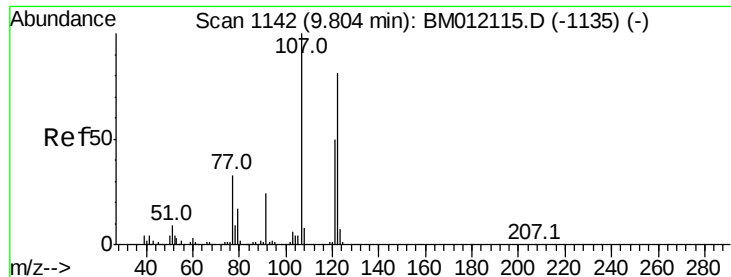
Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

199 0.0 67.8 101.6#

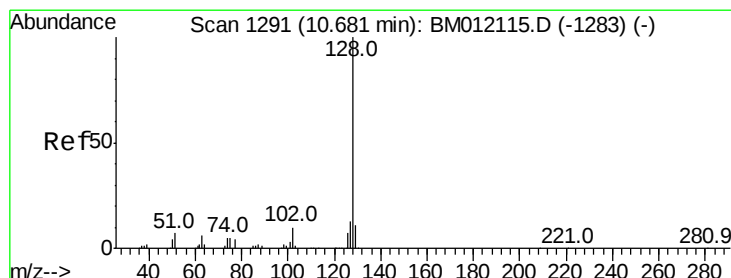
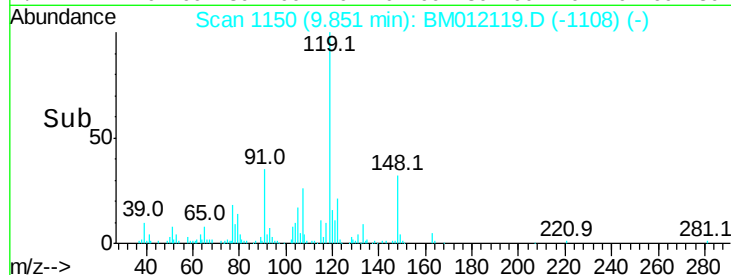
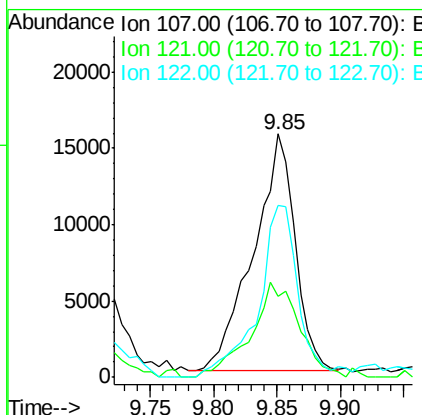
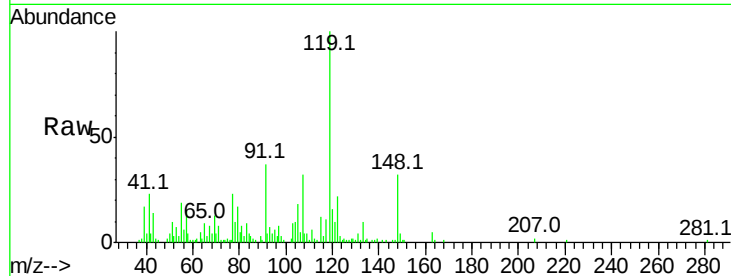




#24
2,4-Dimethylphenol
Concen: 1.479 ng/ul
RT: 9.85 min Scan# 1150
Delta R.T. 0.05 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

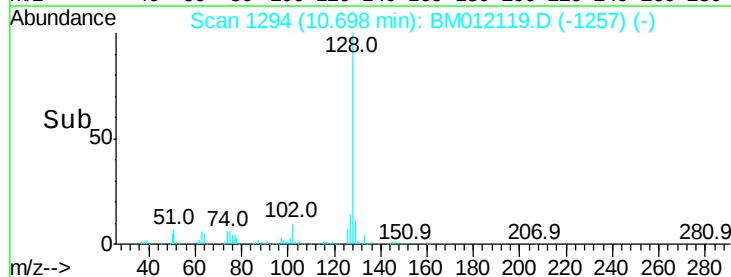
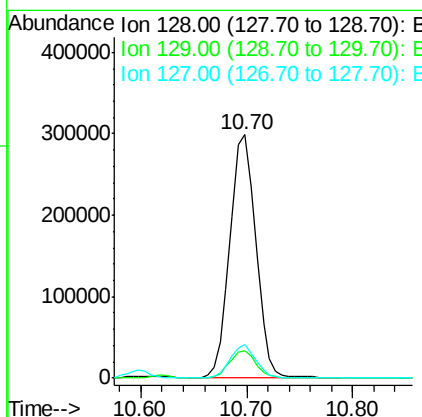
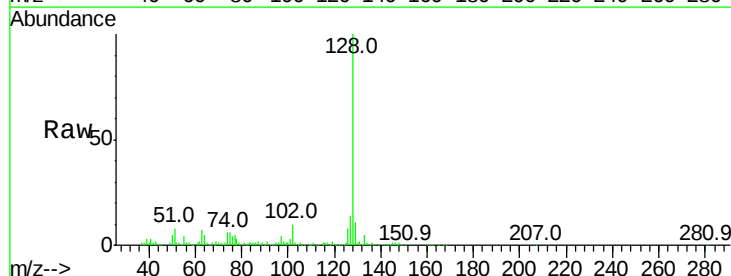
Instrument :
BNA_M
ClientSampleId :

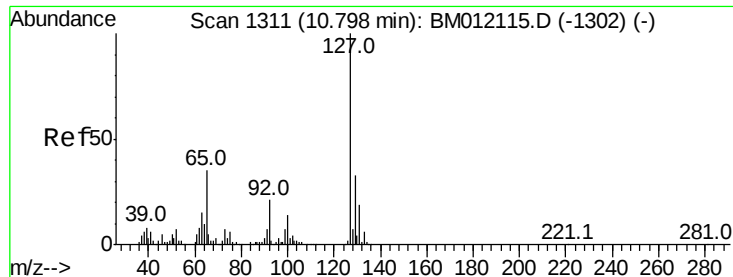
Tot Ion:107 Resp: 35598
Ion Ratio Lower Upper
107 100
121 33.2 31.9 47.9
122 70.7 57.8 86.6



#28
Naphthalene
Concen: 7.878 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. 0.02 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

Tgt Ion:128 Resp: 509192
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.8 10.6 16.0

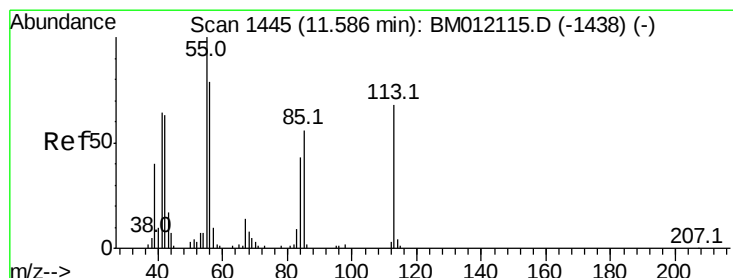
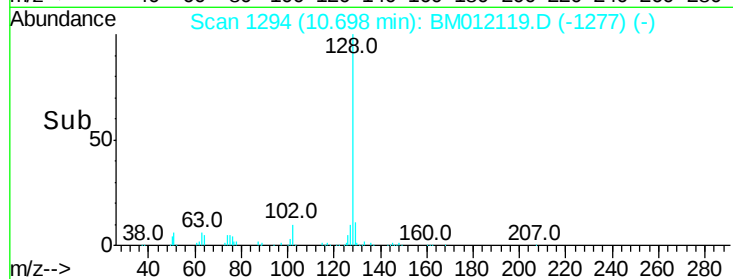
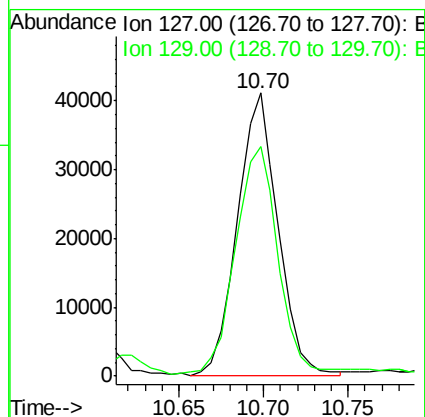
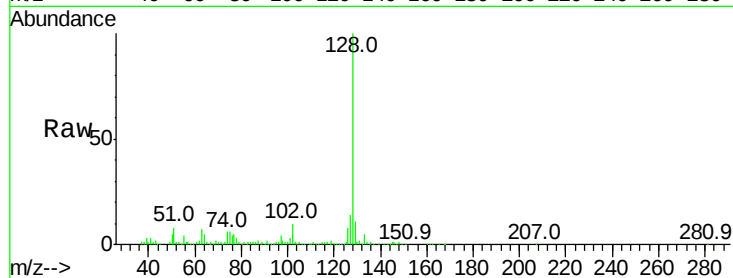




#30
4-Chloroaniline
Concen: 3.518 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. -0.10 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

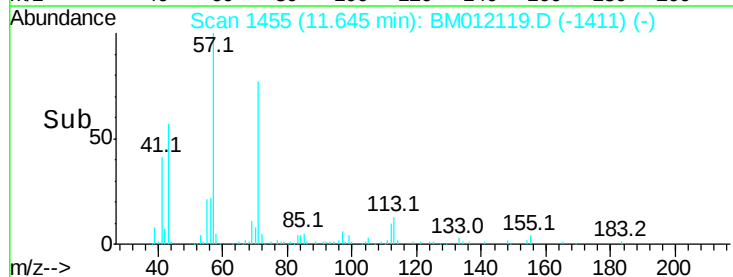
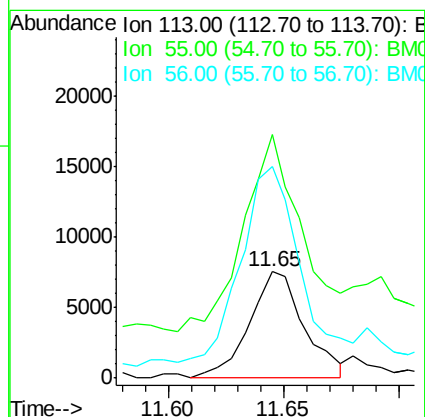
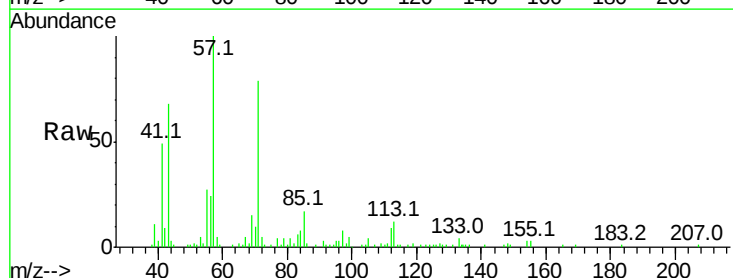
Instrument :
BNA_M
ClientSampleId :

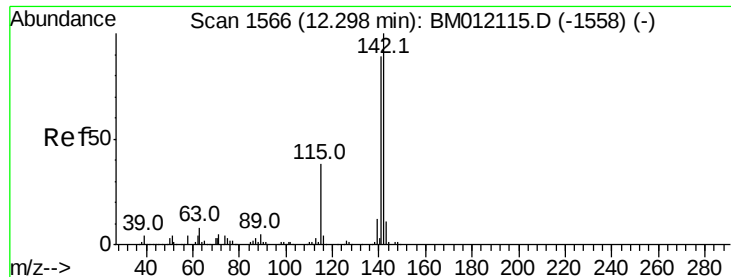
Tot Ion:127 Resp: 68861
Ion Ratio Lower Upper
127 100
129 81.1 28.4 42.6#



#32
Caprolactam
Concen: 1.893 ng/ul
RT: 11.65 min Scan# 1455
Delta R.T. 0.06 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

Tgt Ion:113 Resp: 12519
Ion Ratio Lower Upper
113 100
55 228.5 208.0 312.0
56 198.9 160.0 240.0

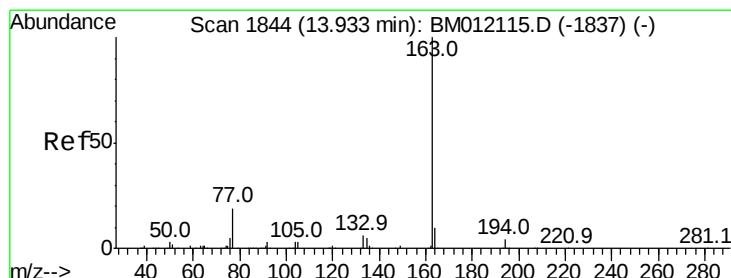
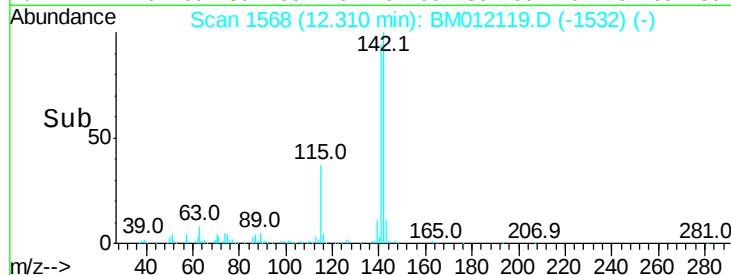
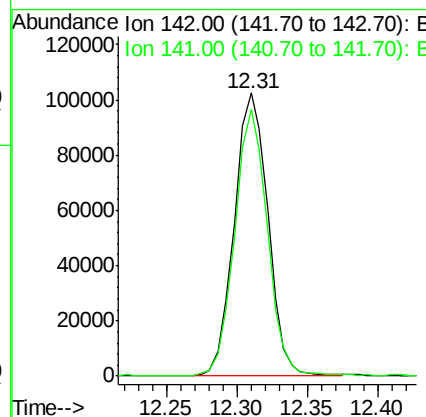
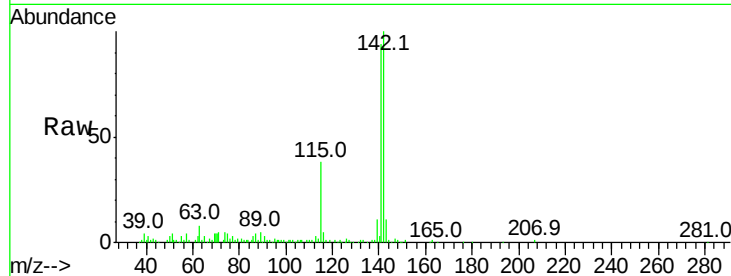




#34
 2-Methylnaphthalene
 Concen: 3.506 ng/ul
 RT: 12.31 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: BM012119.D
 Acq: 13 Oct 2017 03:28

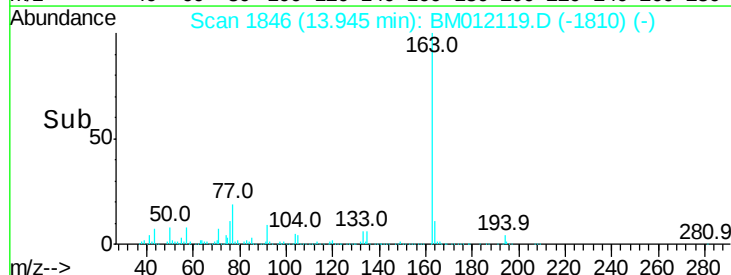
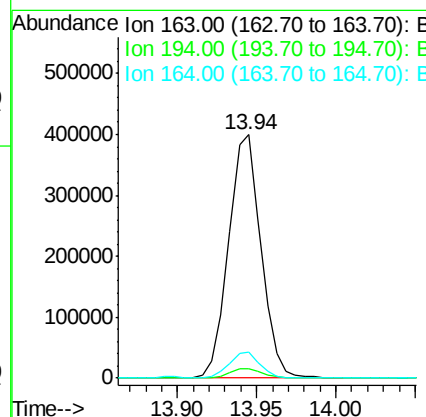
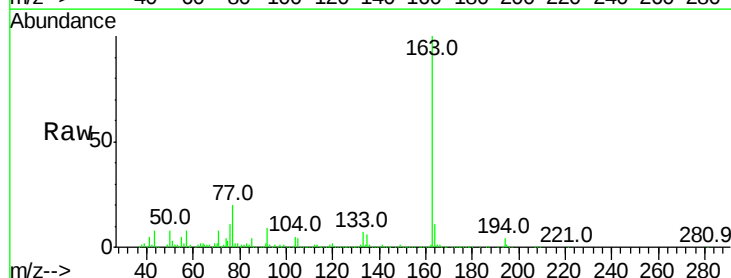
Instrument :
 BNA_M
 ClientSampleId :

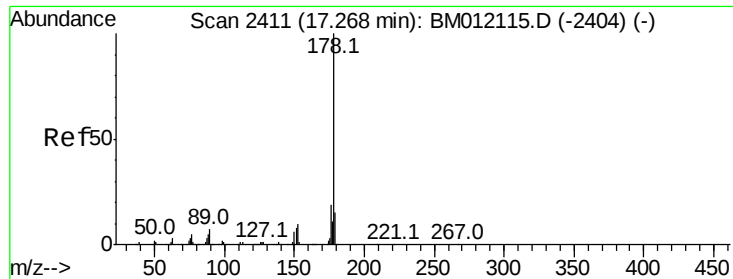
Tot Ion:142 Resp: 171009
 Ion Ratio Lower Upper
 142 100
 141 94.4 74.1 111.1



#44
 Dimethylphthalate
 Concen: 9.950 ng/ul
 RT: 13.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BM012119.D
 Acq: 13 Oct 2017 03:28

Tgt Ion:163 Resp: 560467
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.5 5.3
 164 10.5 8.2 12.4





#69

Phenanthrene

Concen: 2.977 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

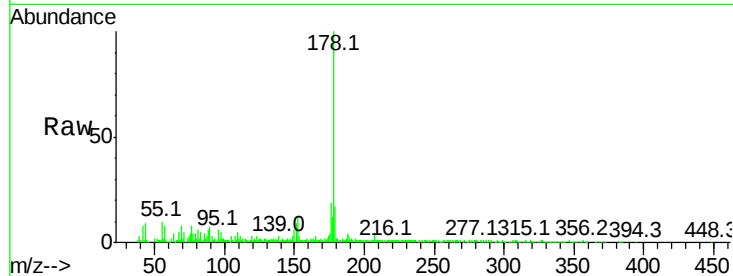
Tot Ion:178 Resp: 206213

Ion Ratio Lower Upper

178 100

179 17.4 12.6 19.0

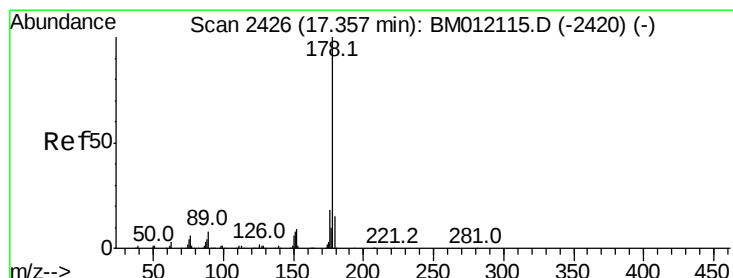
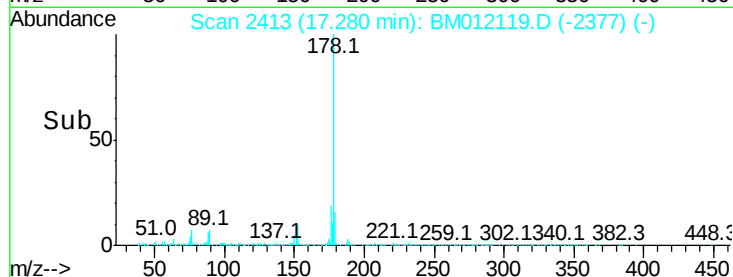
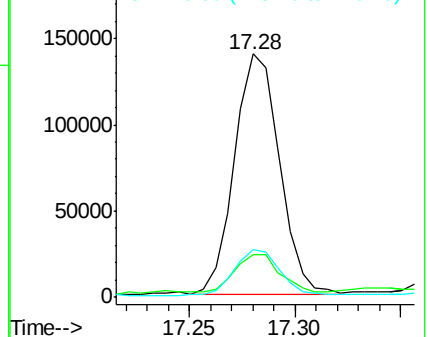
176 19.4 14.9 22.3



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: 2.876 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.08 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

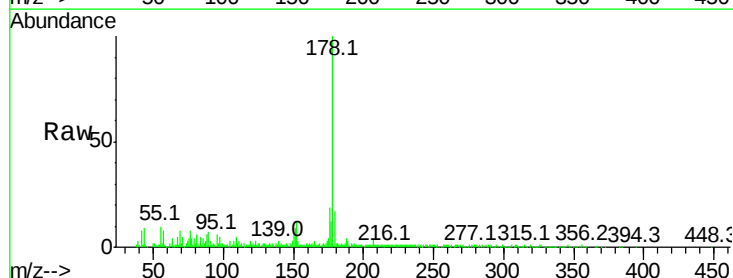
Tgt Ion:178 Resp: 206213

Ion Ratio Lower Upper

178 100

179 17.4 11.7 17.5

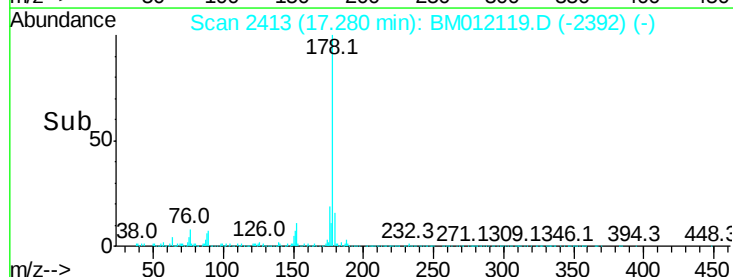
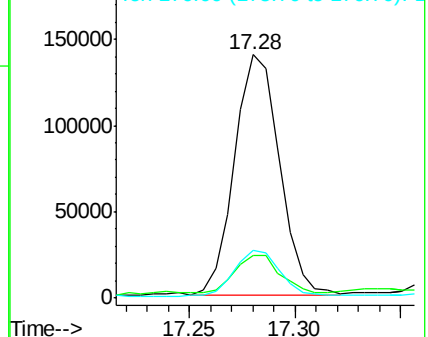
176 19.4 14.6 21.8

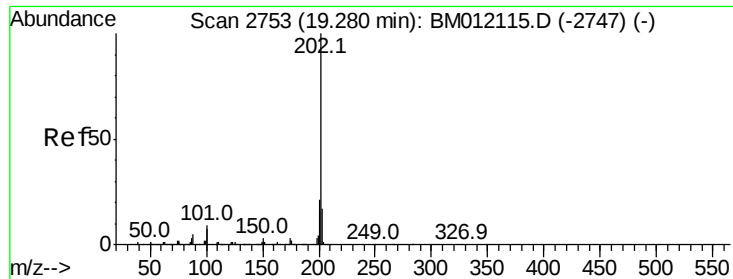


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 5.653 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.02 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

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ClientSampleId :

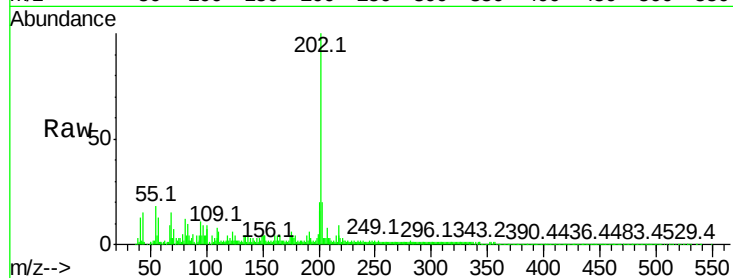
Tot Ion:202 Resp: 472580

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

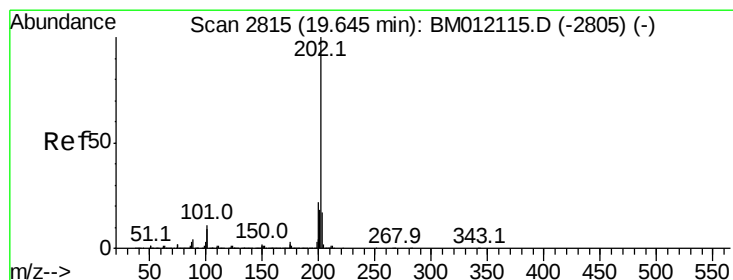
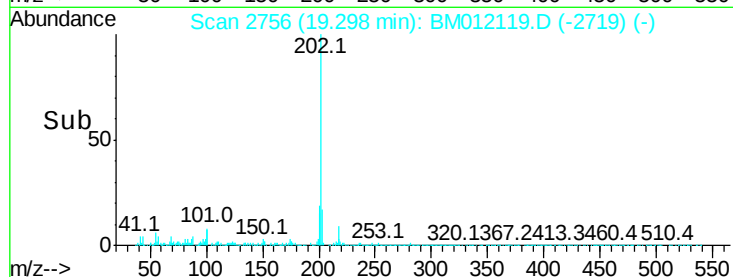
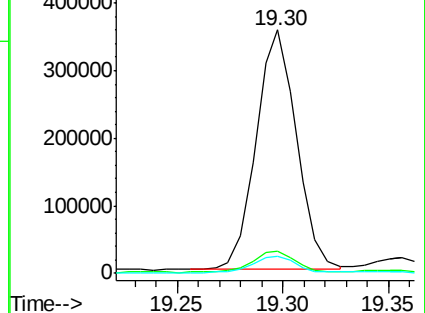
100 6.9 3.4 5.2#



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: 4.622 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.02 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

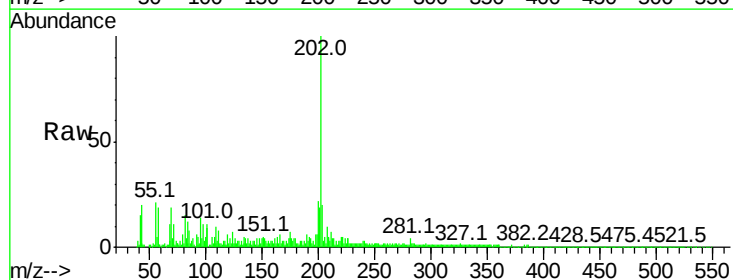
Tgt Ion:202 Resp: 463483

Ion Ratio Lower Upper

202 100

101 11.0 5.1 7.7#

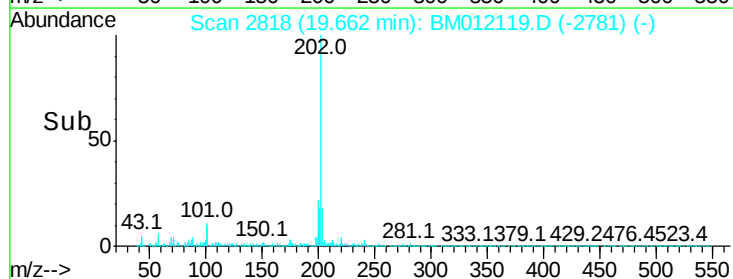
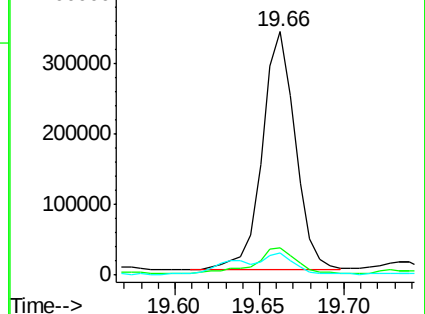
100 9.0 4.9 7.3#

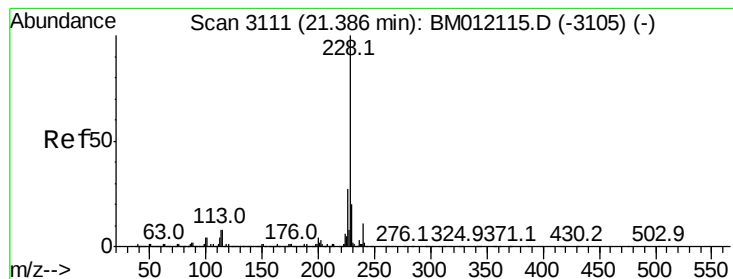


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.389 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.02 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

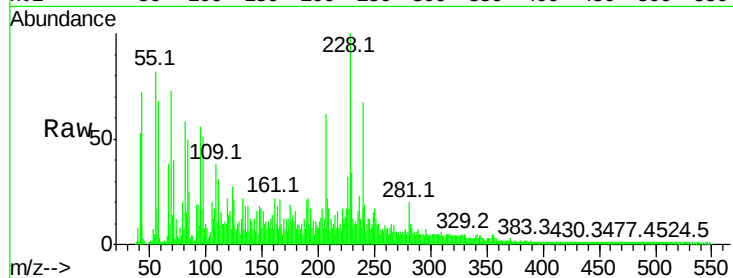
Tot Ion:228 Resp: 334870

Ion Ratio Lower Upper

228 100

229 34.0 15.4 23.0#

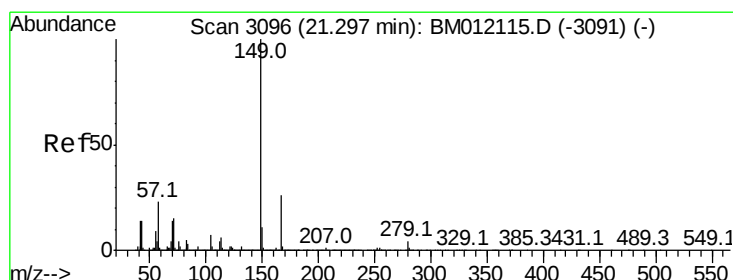
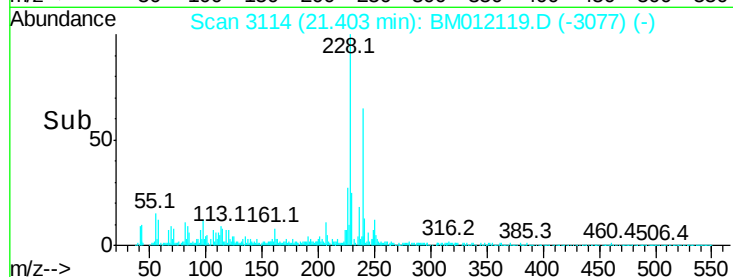
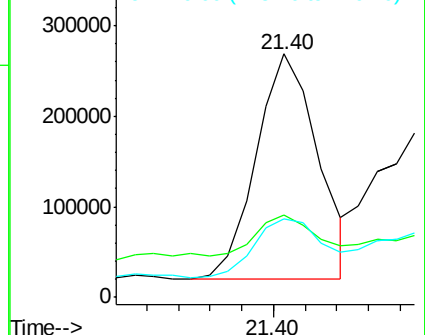
226 32.4 21.4 32.0#



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: 1.114 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

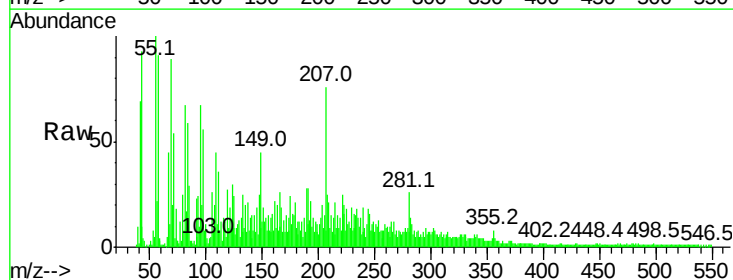
Tgt Ion:149 Resp: 74653

Ion Ratio Lower Upper

149 100

167 41.6 22.8 34.2#

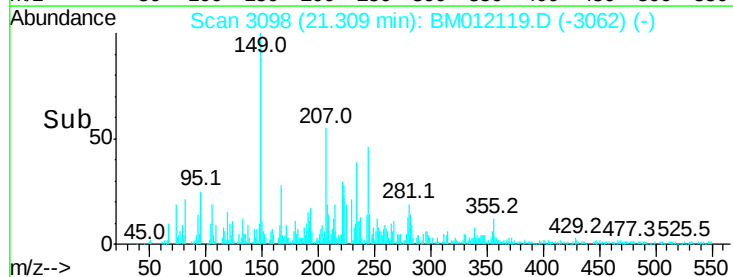
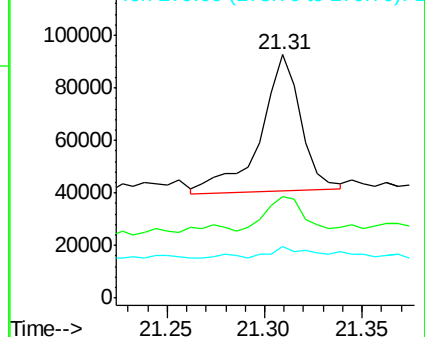
279 21.0 4.9 7.3#

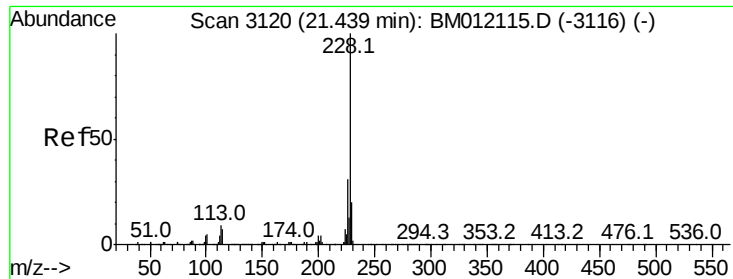


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 5.723 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.02 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

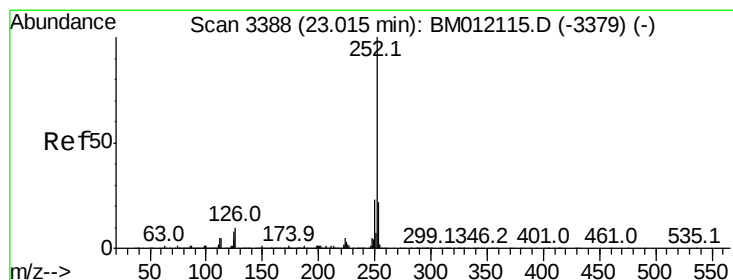
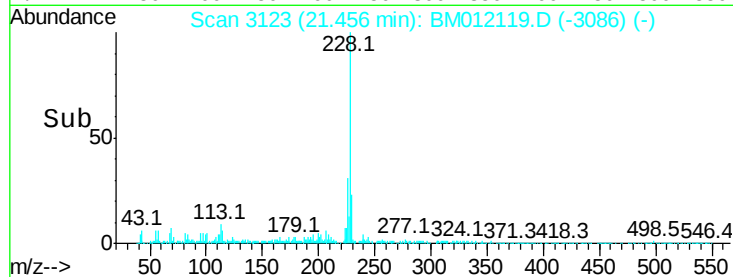
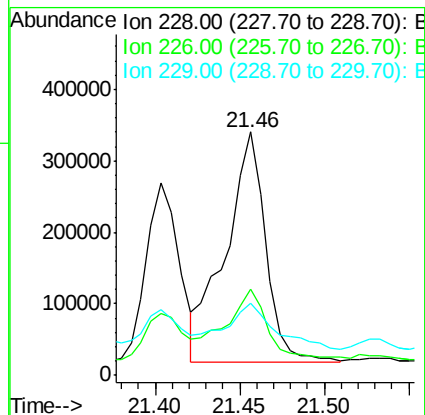
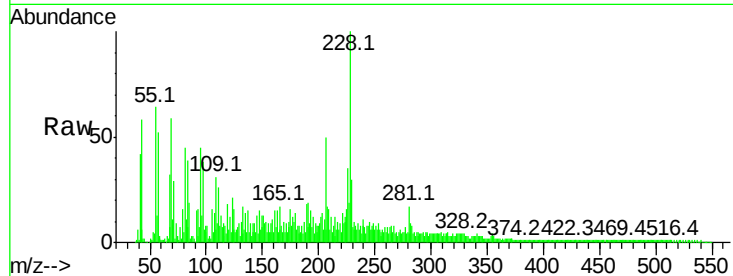
Tot Ion:228 Resp: 530933

Ion Ratio Lower Upper

228 100

226 35.3 23.4 35.2#

229 29.8 15.5 23.3#



#85

Benzo(b)fluoranthene

Concen: 5.863 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. 0.04 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

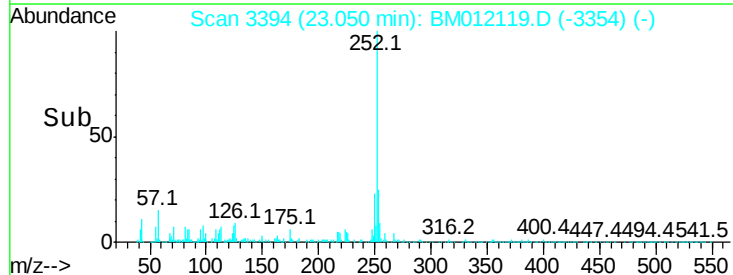
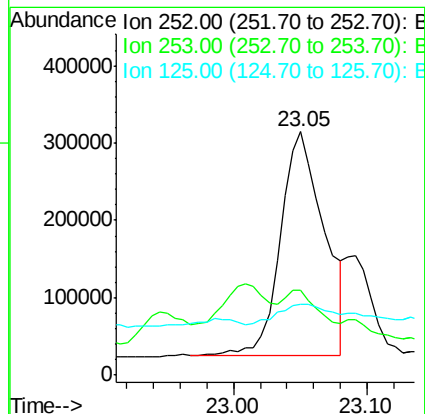
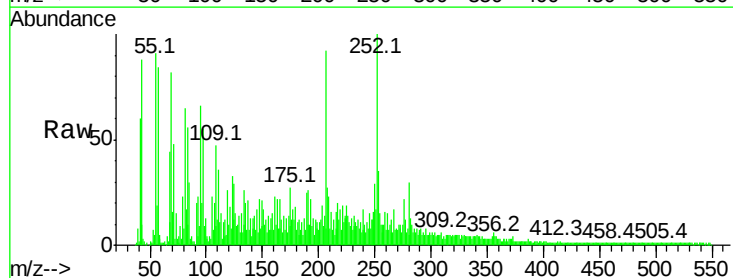
Tgt Ion:252 Resp: 662866

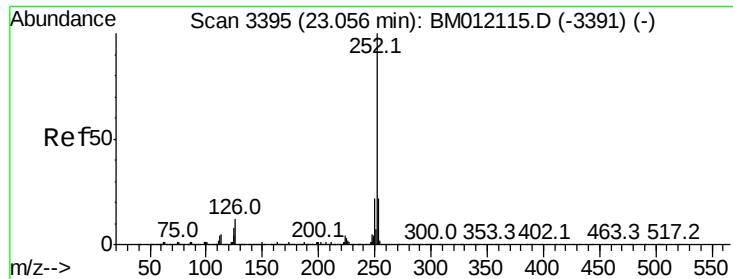
Ion Ratio Lower Upper

252 100

253 35.1 17.9 26.9#

125 28.9 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 6.084 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. -0.01 min

Lab File: BM012119.D

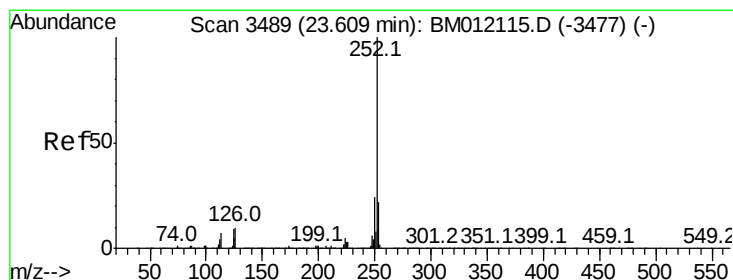
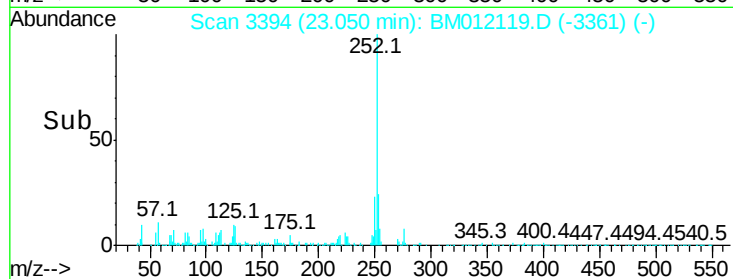
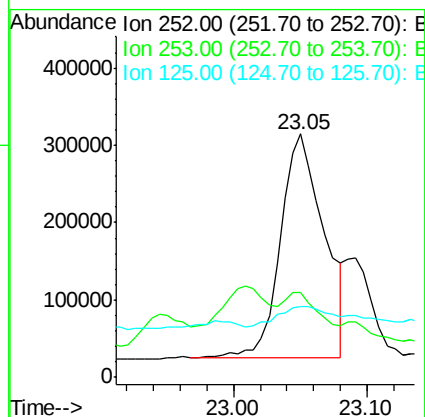
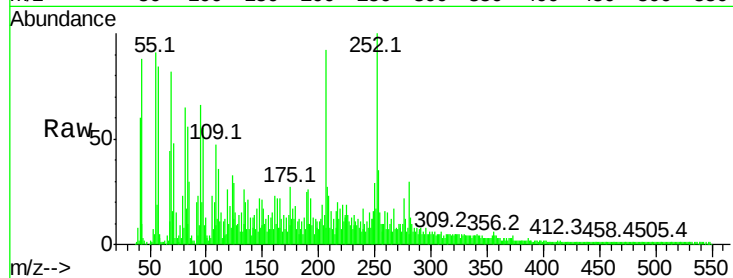
Acq: 13 Oct 2017 03:28

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	662866
Ion Ratio	Lower	Upper	
252	100		
253	35.1	17.1	25.7#
125	28.9	3.4	5.2#



#88

Benzo(a)pyrene

Concen: 3.609 ng/ul

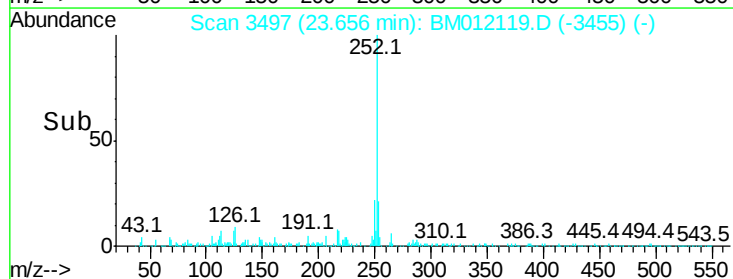
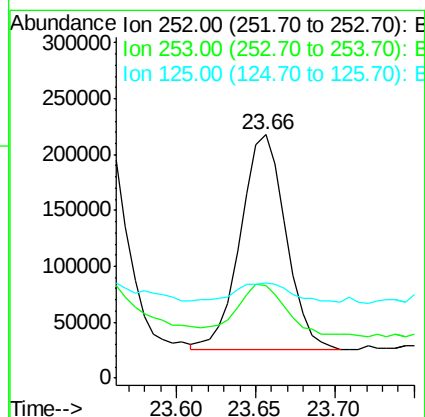
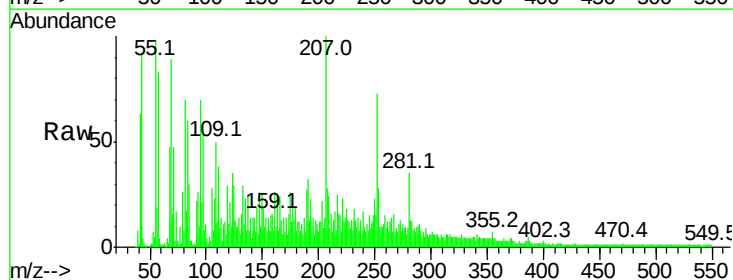
RT: 23.66 min Scan# 3497

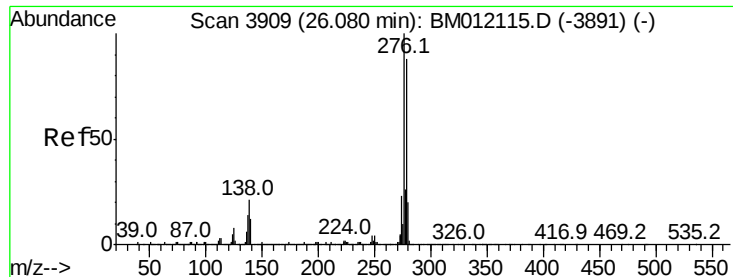
Delta R.T. 0.05 min

Lab File: BM012119.D

Acq: 13 Oct 2017 03:28

Tgt Ion:	252	Resp:	384622
Ion Ratio	Lower	Upper	
252	100		
253	38.0	18.2	27.2#
125	38.9	4.0	6.0#



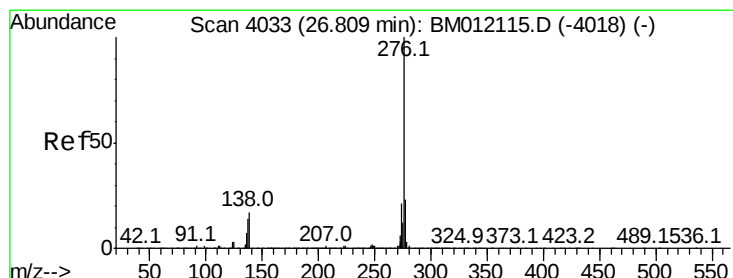
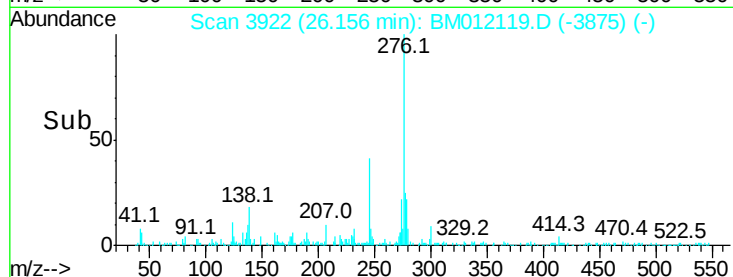
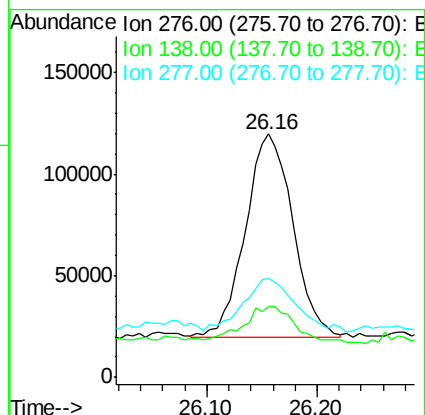
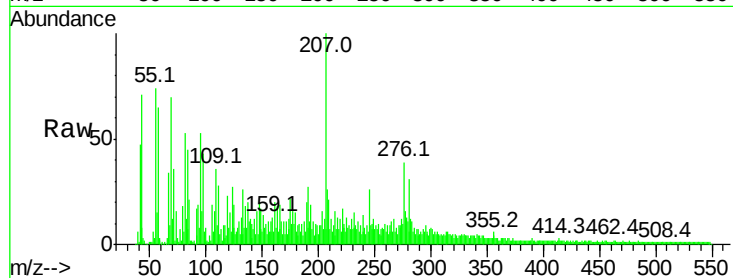


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.674 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. 0.08 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 302643
Ion Ratio Lower Upper
276 100
138 29.2 9.3 13.9#
277 40.8 19.9 29.9#



#91

Benzo(g,h,i)perylene
Concen: 3.514 ng/ul
RT: 26.90 min Scan# 4048
Delta R.T. 0.09 min
Lab File: BM012119.D
Acq: 13 Oct 2017 03:28

Tgt Ion:276 Resp: 325689
Ion Ratio Lower Upper
276 100
138 26.8 8.5 12.7#
277 39.5 18.6 28.0#

