

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
 Data File : BM026097.D
 Acq On : 23 May 2020 02:27
 Operator : MA/SJ
 Sample : L2737-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 23 04:01:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 22 13:18:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	206363	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	769437	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.14	164	513082	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	1050701	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	1052132	20.00	ng/ul	0.00
86) Perylene-d12	23.20	264	1085813	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	28143	4.11	ng/uL	0.00
5) Phenol-d5	6.69	99	157027	8.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.84	67	413179	31.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	395222	26.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	276456	19.60	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	255063	40.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	273793	44.12	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.92	165	450278	36.14	ng/ul	0.03
29) 4-Chloroaniline-d4	10.47	131	40724	3.22	ng/ul	0.08
44) Dimethylphthalate-d6	13.56	166	1492938	36.28	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1771384	36.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	77174	10.59	ng/ul	0.00
58) Fluorene-d10	15.14	176	1284981	35.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	245320	40.04	ng/ul	0.00
71) Anthracene-d10	16.99	188	1940619	37.48	ng/ul	0.00
79) Pyrene-d10	19.29	212	2135679	39.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	2157963	37.34	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.72	94	29341	1.398	ng/ul 97
11) 2-Methylphenol	7.95	108	32803	2.269	ng/ul 99
14) Acetophenone	8.32	105	189051	7.987	ng/ul# 92
16) 4-Methylphenol	8.27	108	70894	4.508	ng/ul 95
17) Hexachloroethane	8.59	117	31911	4.657	ng/ul# 10
24) 2,4-Dimethylphenol	9.47	107	80928	4.697	ng/ul 97
30) 4-Chloroaniline	10.40	127	16890572	1279.605	ng/ul# 14
34) 2-Methylnaphthalene	11.95	142	9458556	298.918	ng/ul 100
35) 1-Methylnaphthalene	12.16	142	5685544	193.669	ng/ul 100
41) 1,1'-Biphenyl	12.96	154	2291357	50.329	ng/ul 99
45) Dimethylphthalate	13.61	163	125156	2.897	ng/ul 98
48) Acenaphthylene	13.85	152	226894	4.240	ng/ul# 93
50) Acenaphthene	14.22	153	7949514	210.627	ng/ul 98
54) Dibenzofuran	14.54	168	5496338	103.625	ng/ul 100
59) Fluorene	15.20	166	3756882	87.560	ng/ul 100
61) 4-Nitroaniline	15.20	138	50350	5.713	ng/ul# 20
65) N-Nitrosodiphenylamine	15.44	169	63345	1.799	ng/ul# 1
70) Phenanthrene	16.93	178	4796389	72.470	ng/ul 99
72) Anthracene	17.02	178	395447	5.955	ng/ul 100
75) Carbazole	17.31	167	12057914	219.501	ng/ul 98
77) Fluoranthene	18.95	202	627101	9.033	ng/ul 99
80) Pvrene	19.32	202	624498	8.455	ng/ul 96

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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 22 13:18:41 2020
Response via : Initial Calibration

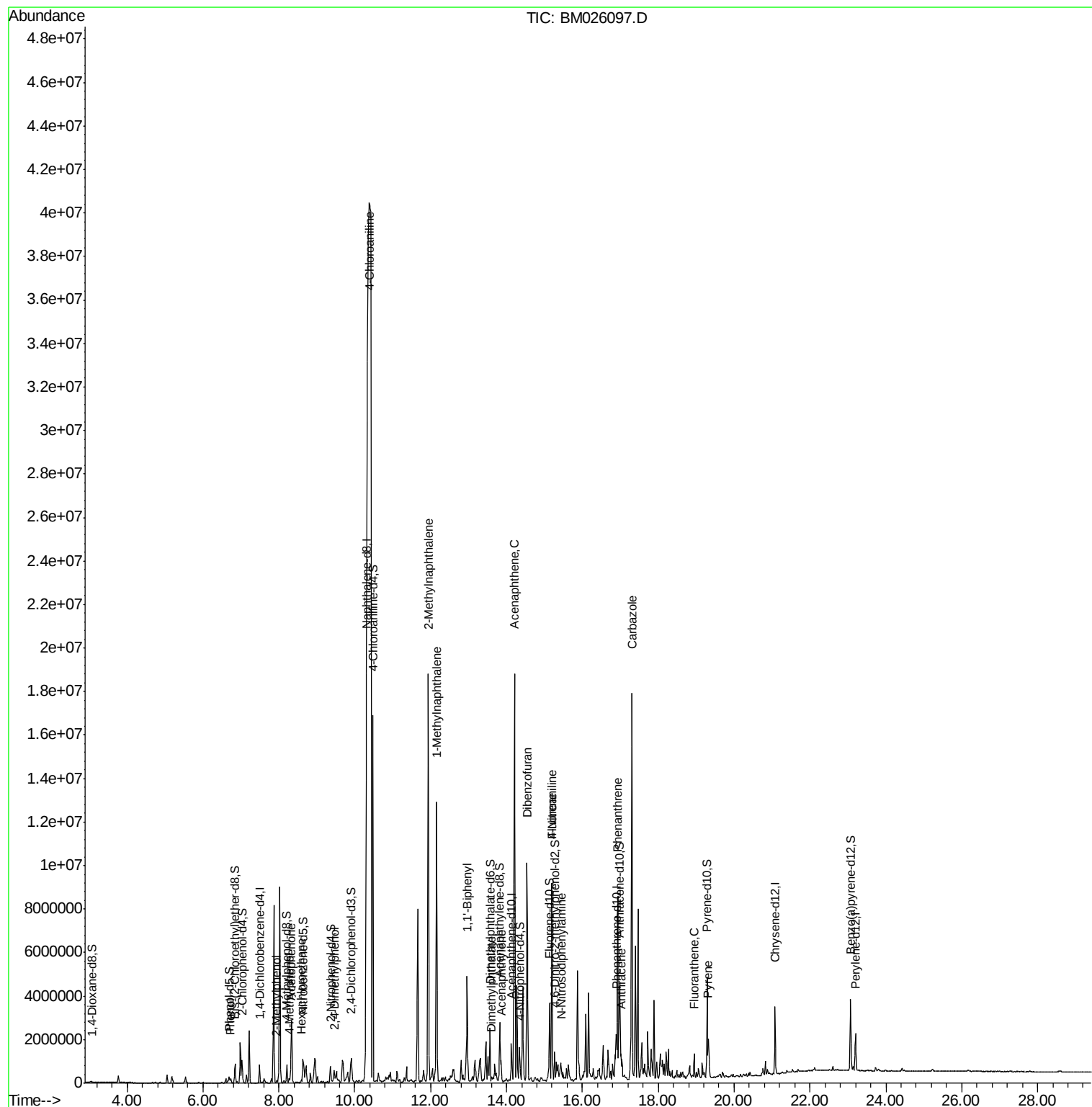
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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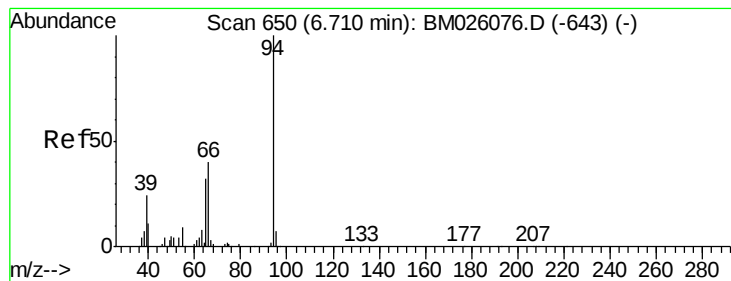
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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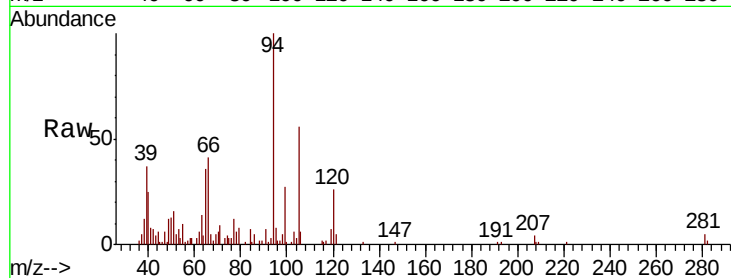
#6

Phenol

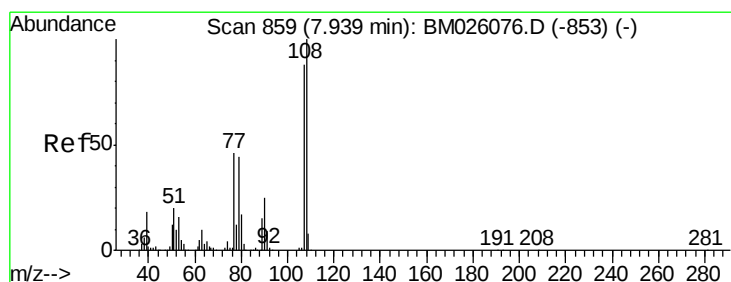
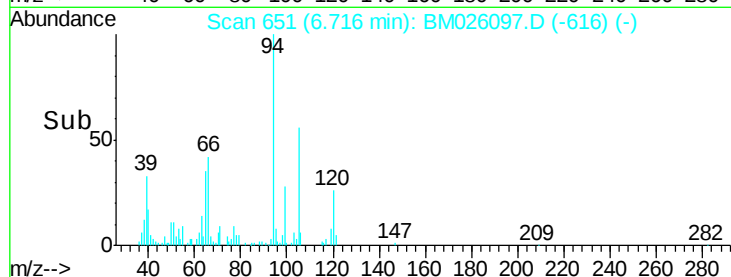
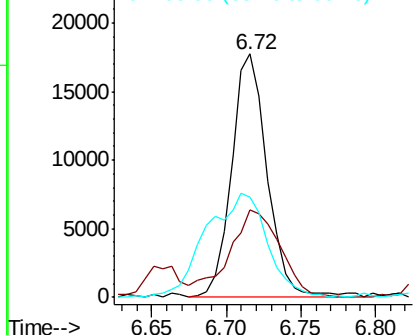
Concen: 1.398 ng/ul
 RT: 6.72 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
94	100		
65	35.9	25.8	38.8
66	41.4	33.3	49.9



Abundance Ion 94.00 (93.70 to 94.70): BM026097.D (-643) (-)
 Ion 65.00 (64.70 to 65.70): BM026097.D (-643) (-)
 Ion 66.00 (65.70 to 66.70): BM026097.D (-643) (-)

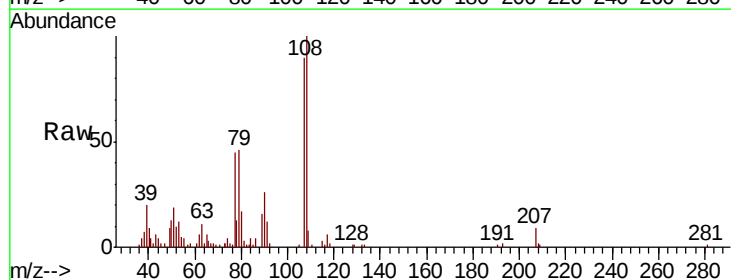


#11

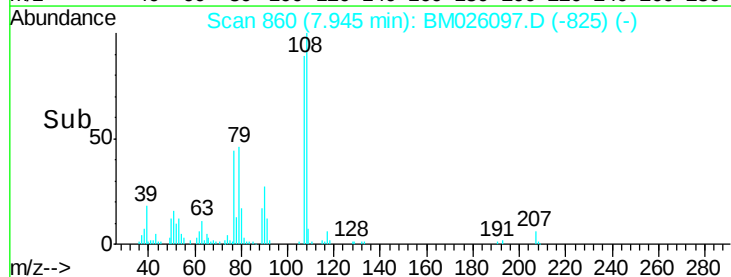
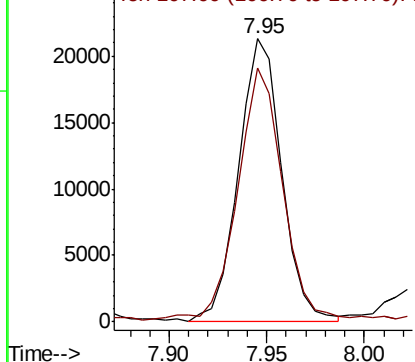
2-Methylphenol

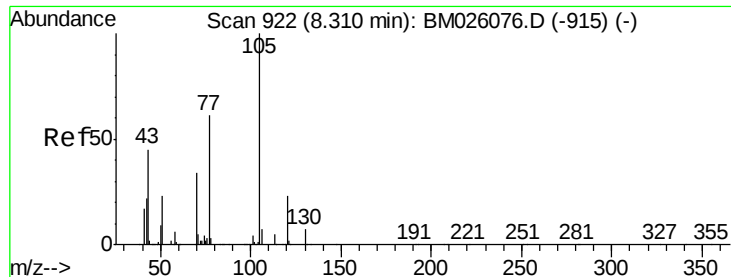
Concen: 2.269 ng/ul
 RT: 7.95 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.6	72.3	108.5



Abundance Ion 108.00 (107.70 to 108.70): BM026097.D (-825) (-)
 Ion 107.00 (106.70 to 107.70): BM026097.D (-825) (-)

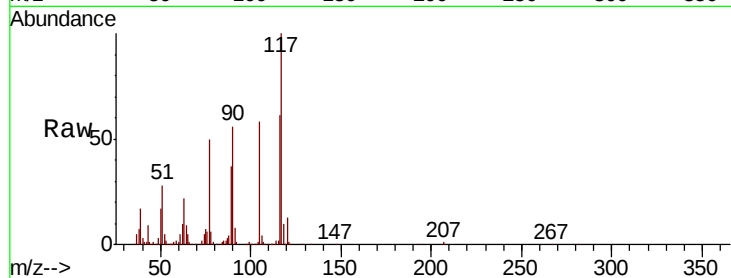




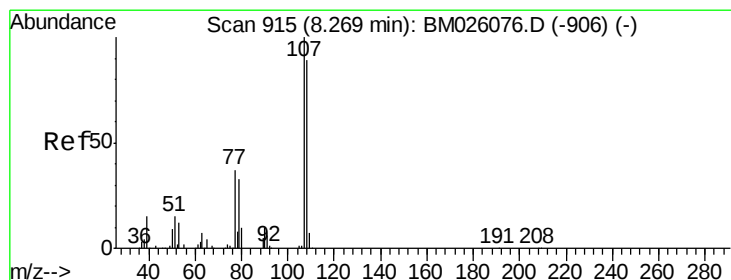
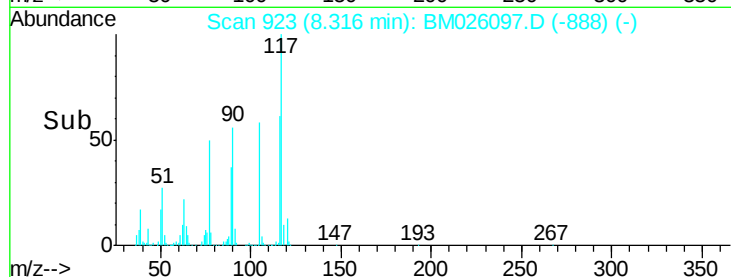
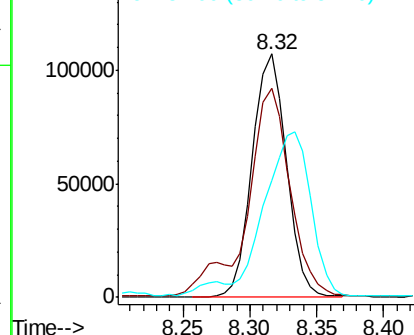
#14
Acetophenone
Concen: 7.987 ng/ul
RT: 8.32 min Scan# 923
Delta R.T. 0.01 min
Lab File: BM026097.D
Acq: 23 May 2020 02:27

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
77	85.7	67.2	100.8
51	47.8	27.4	41.0

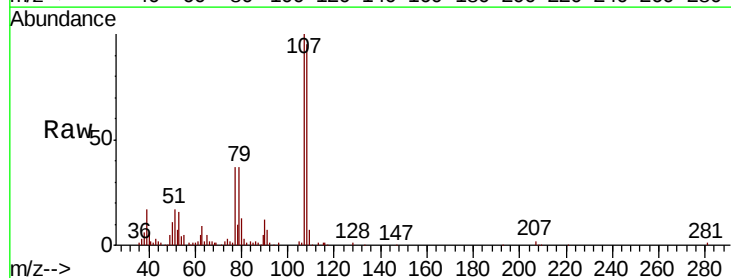


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 51.00 (50.70 to 51.70): BM0

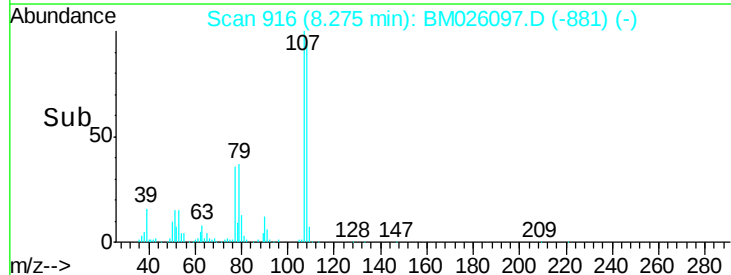
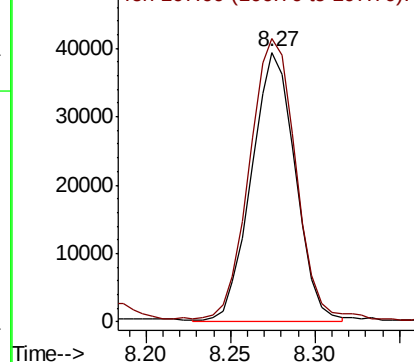


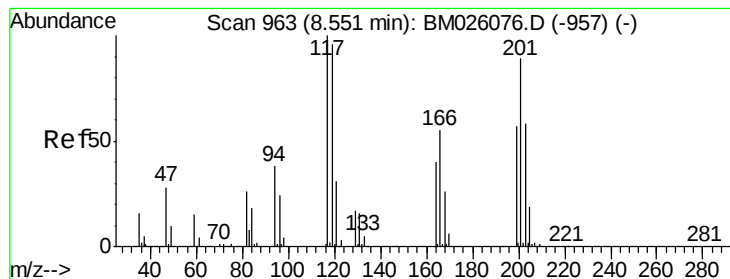
#16
4-Methylphenol
Concen: 4.508 ng/ul
RT: 8.27 min Scan# 916
Delta R.T. 0.01 min
Lab File: BM026097.D
Acq: 23 May 2020 02:27

Tgt Ion	Ratio	Lower	Upper
108	100		
107	104.9	88.6	132.8



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 4.657 ng/ul

RT: 8.59 min Scan# 970

Delta R.T. 0.04 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

Instrument :

BNA_M

ClientSampleId :

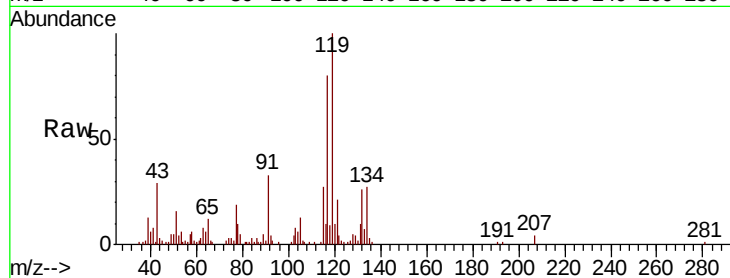
Tot Ion:117 Resp: 31911

Ion Ratio Lower Upper

117 100

201 0.0 74.5 111.7#

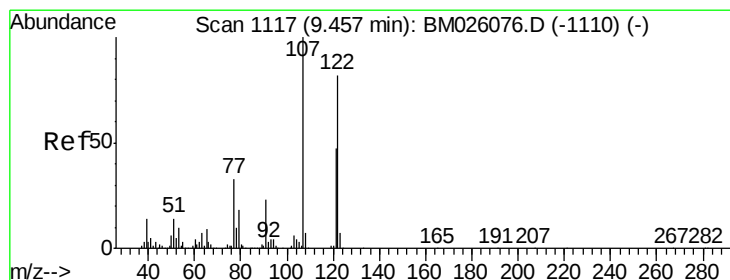
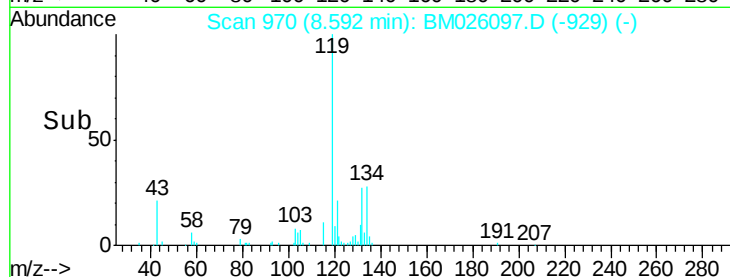
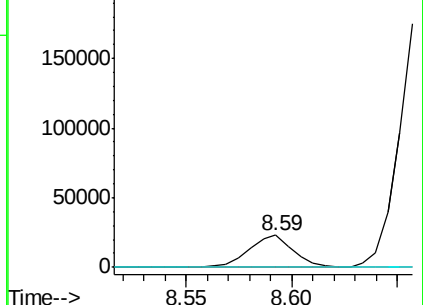
199 0.0 45.9 68.9#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#24

2,4-Dimethylphenol

Concen: 4.697 ng/ul

RT: 9.47 min Scan# 1120

Delta R.T. 0.02 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

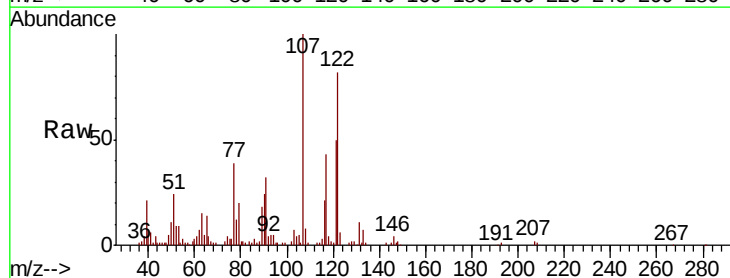
Tgt Ion:107 Resp: 80928

Ion Ratio Lower Upper

107 100

121 50.5 37.5 56.3

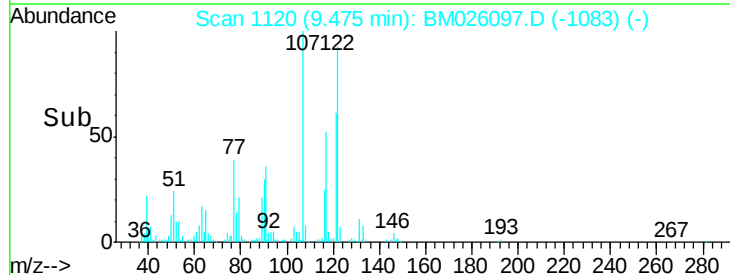
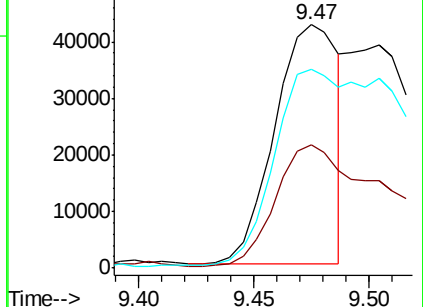
122 81.8 63.8 95.6

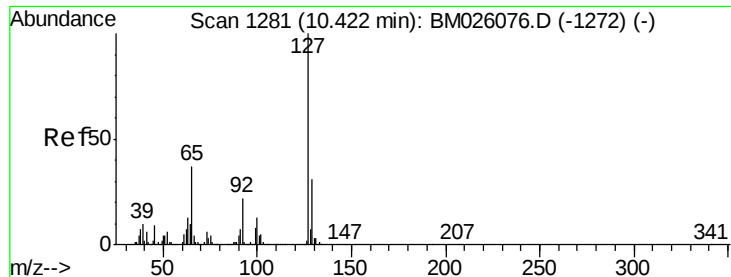


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

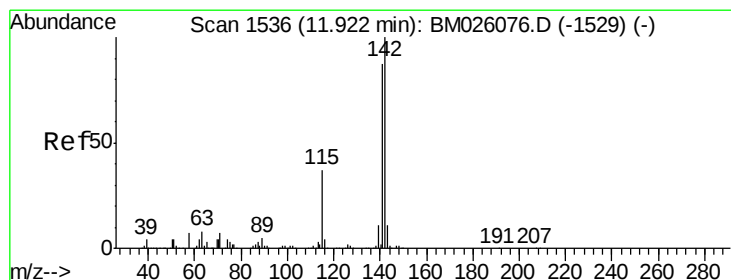
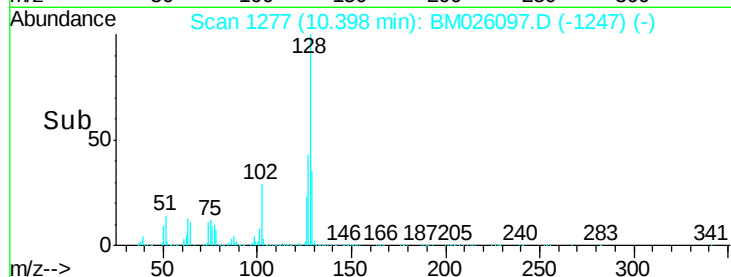
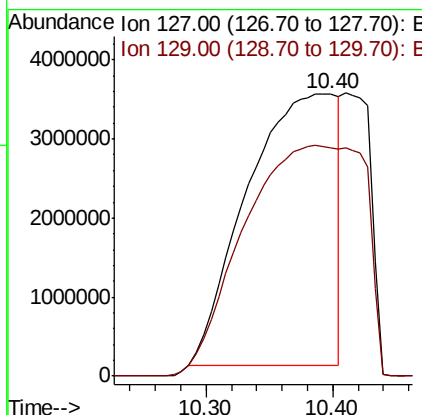
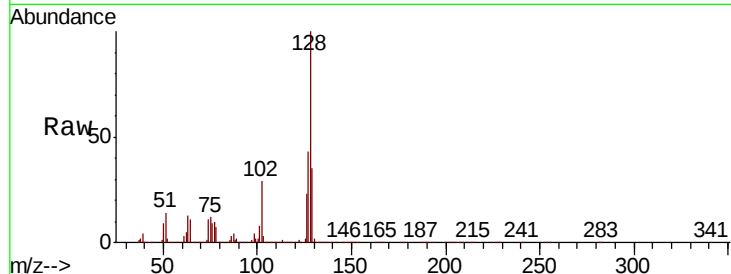




#30
 4-Chloroaniline
 Concen: 1279.605 ng/ul
 RT: 10.40 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

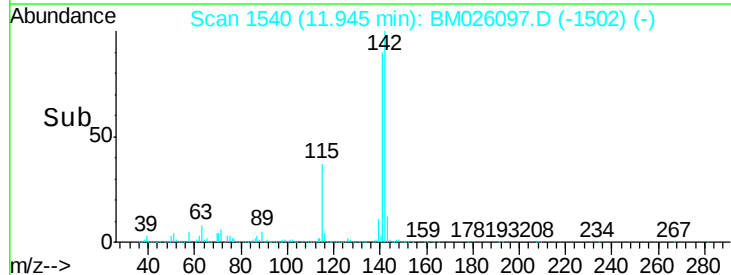
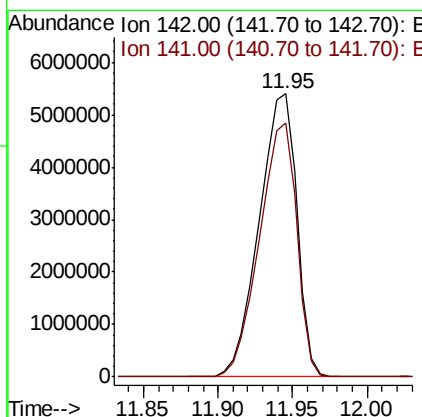
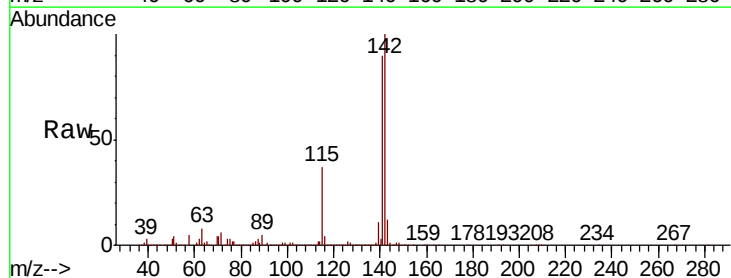
Instrument :
 BNA_M
 ClientSampleId :

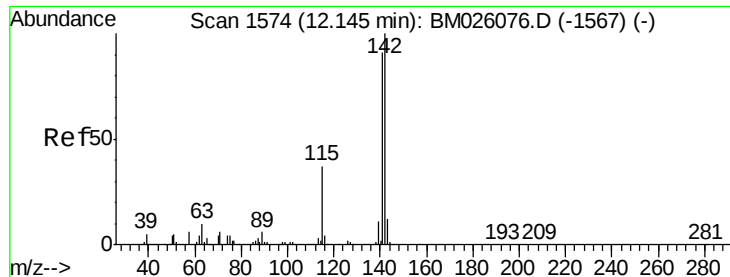
Tot Ion:127 Resp:16890572
 Ion Ratio Lower Upper
 127 100
 129 81.0 26.2 39.2#



#34
 2-Methylnaphthalene
 Concen: 298.918 ng/ul
 RT: 11.95 min Scan# 1540
 Delta R.T. 0.02 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Tgt Ion:142 Resp: 9458556
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.8 107.6

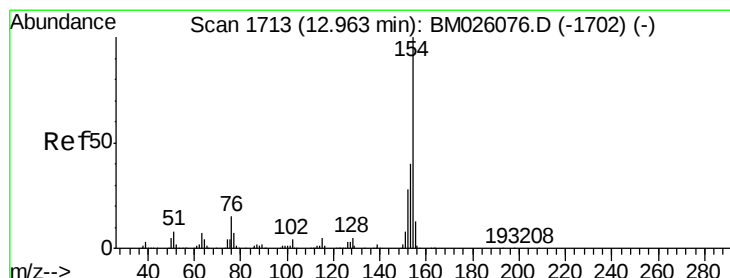
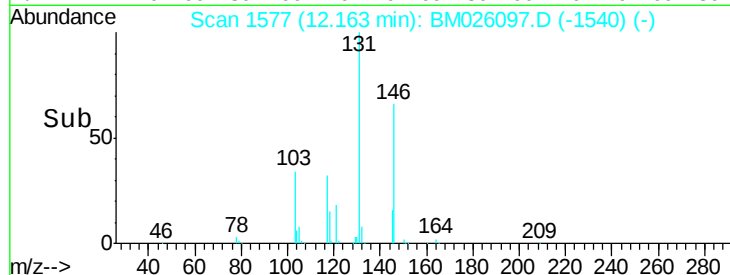
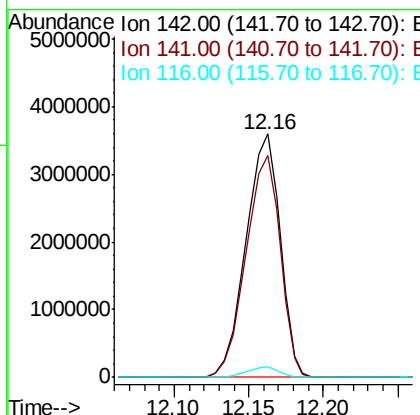
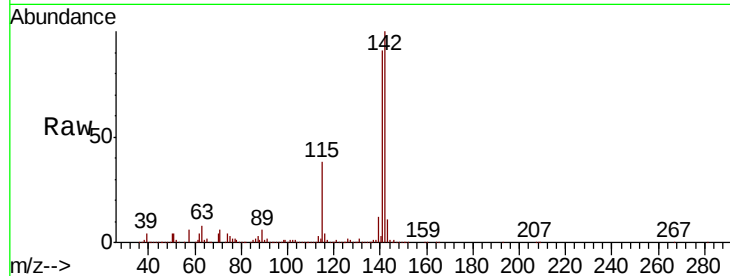




#35
 1-Methylnaphthalene
 Concen: 193.669 ng/ul
 RT: 12.16 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

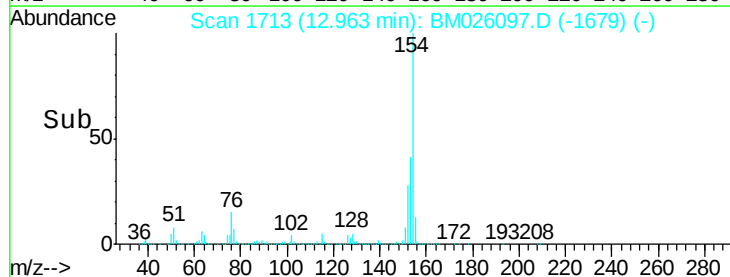
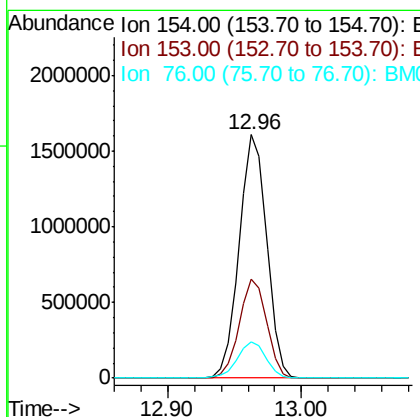
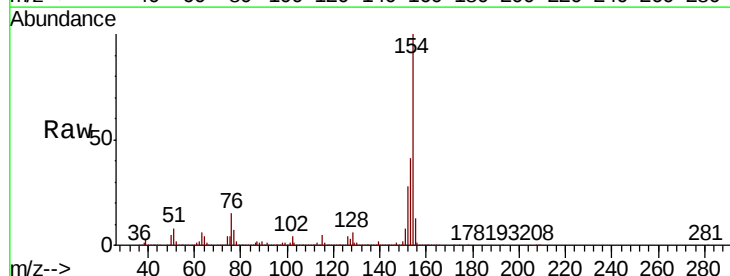
Instrument :
 BNA_M
 ClientSampled :

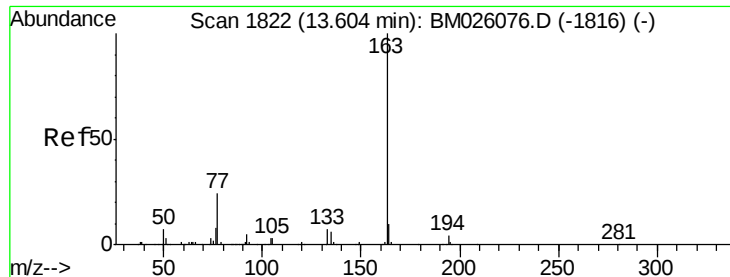
Tot Ion:142 Resp: 5685544
 Ion Ratio Lower Upper
 142 100
 141 91.3 73.0 109.4
 116 4.1 3.3 4.9



#41
 1,1'-Biphenyl
 Concen: 50.329 ng/ul
 RT: 12.96 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Tgt Ion:154 Resp: 2291357
 Ion Ratio Lower Upper
 154 100
 153 40.8 32.3 48.5
 76 15.1 13.0 19.6





#45

Dimethylphthalate

Concen: 2.897 ng/ul

RT: 13.61 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

Instrument :

BNA_M

ClientSampleId :

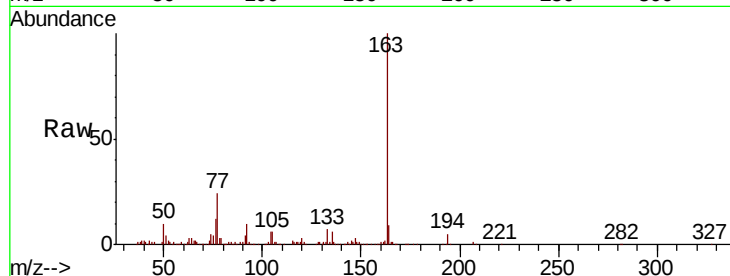
Tot Ion:163 Resp: 125156

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

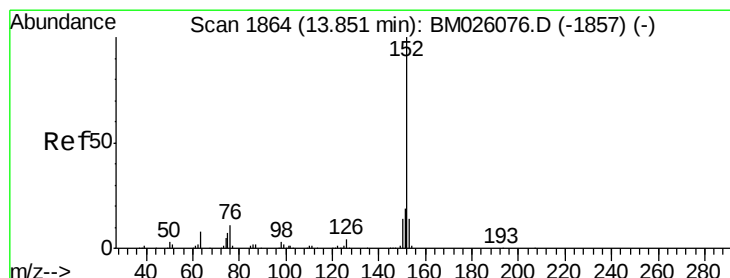
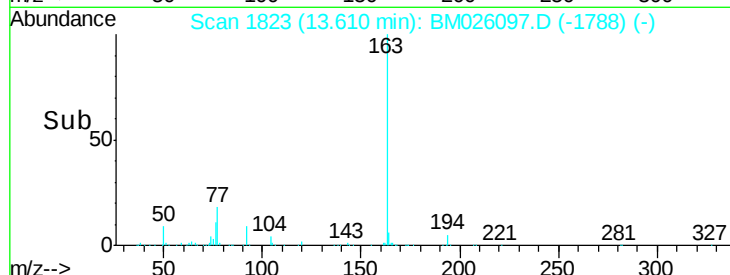
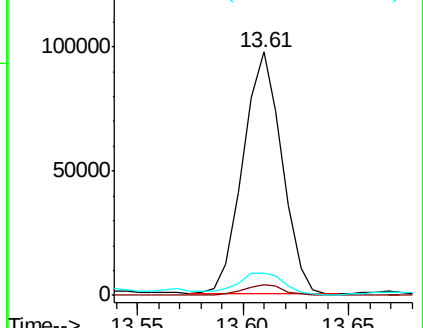
164 9.2 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 4.240 ng/ul

RT: 13.85 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

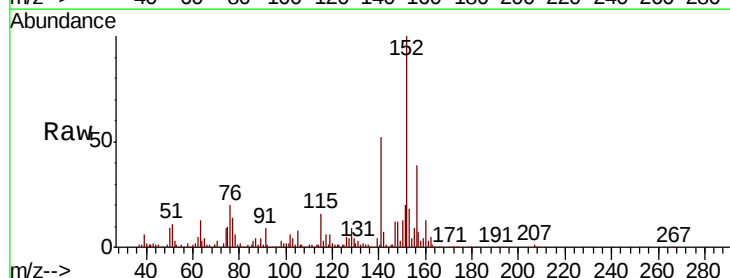
Tgt Ion:152 Resp: 226894

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

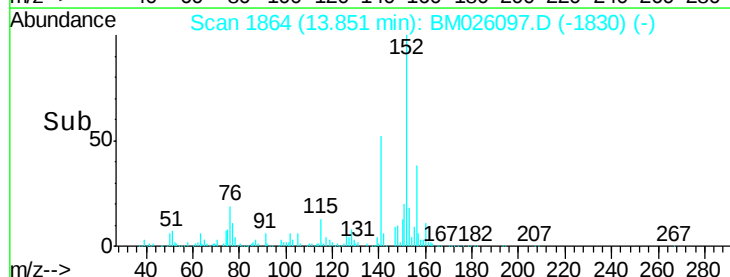
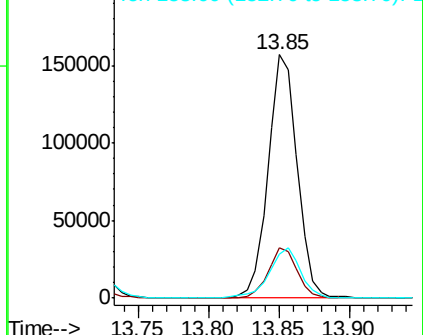
153 18.1 10.2 15.2#

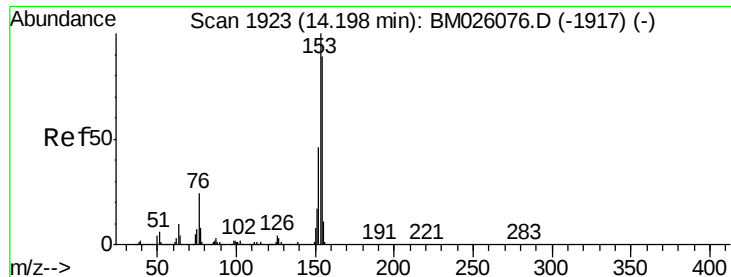


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 210.627 ng/ul

RT: 14.22 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

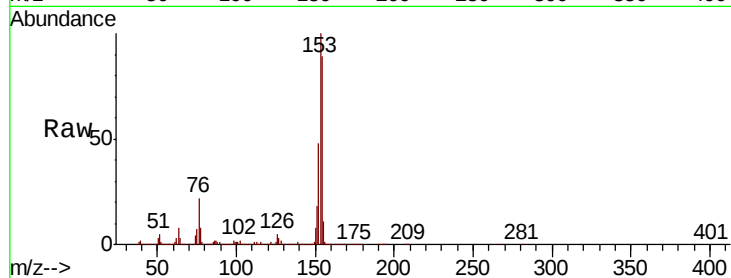
Instrument :

BNA_M

ClientSampleId :

Tot Ion:153 Resp: 7949514

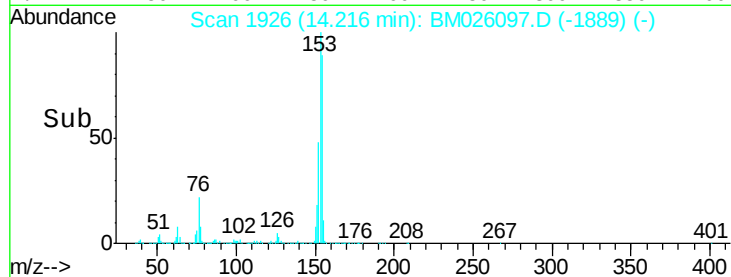
Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.2	55.8
154	89.3	69.8	104.8



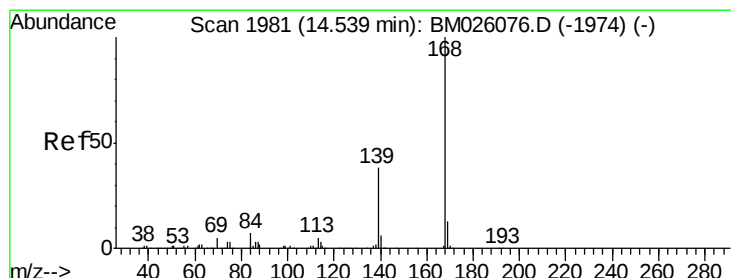
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#54

Dibenzofuran

Concen: 103.625 ng/ul

RT: 14.54 min Scan# 1982

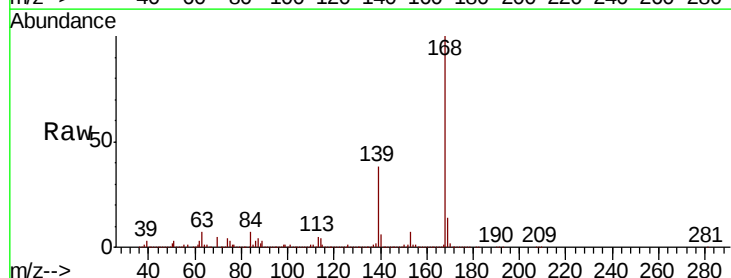
Delta R.T. 0.01 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

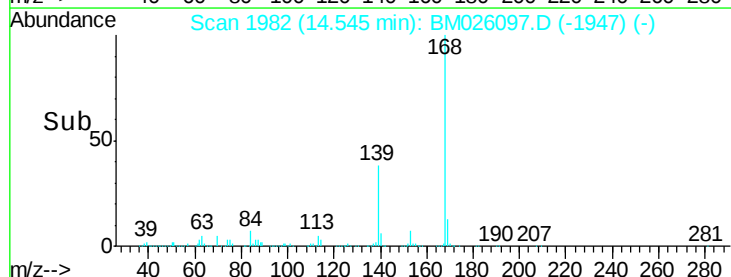
Tgt Ion:168 Resp: 5496338

Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.7	46.1

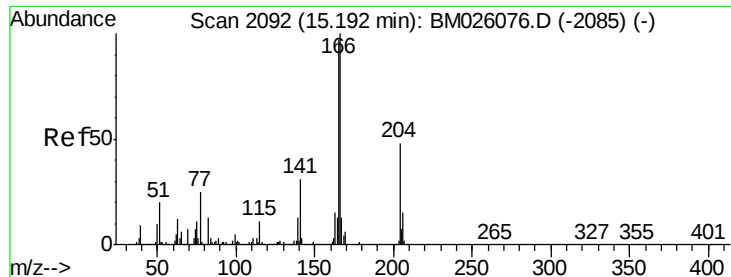


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#59

Fluorene

Concen: 87.560 ng/ul

RT: 15.20 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

Instrument :

BNA_M

ClientSampleId :

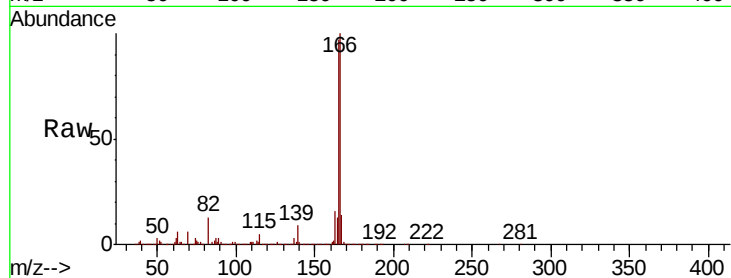
Tot Ion:166 Resp: 3756882

Ion Ratio Lower Upper

166 100

165 96.6 77.3 115.9

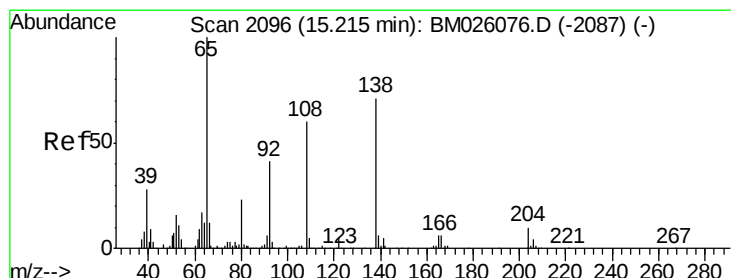
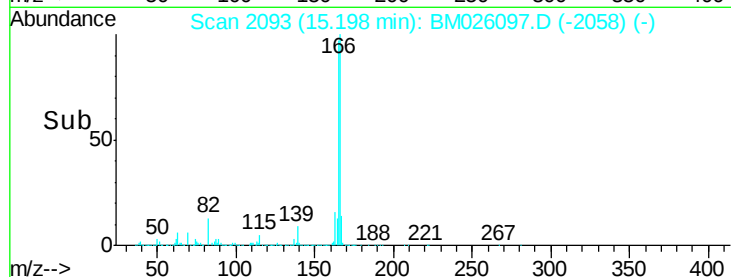
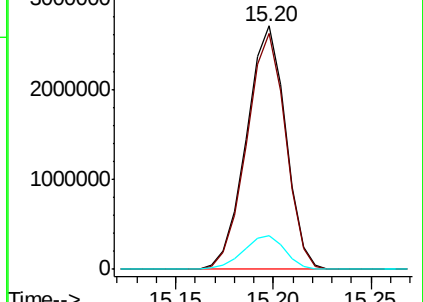
167 13.7 10.6 16.0



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



#61

4-Nitroaniline

Concen: 5.713 ng/ul

RT: 15.20 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

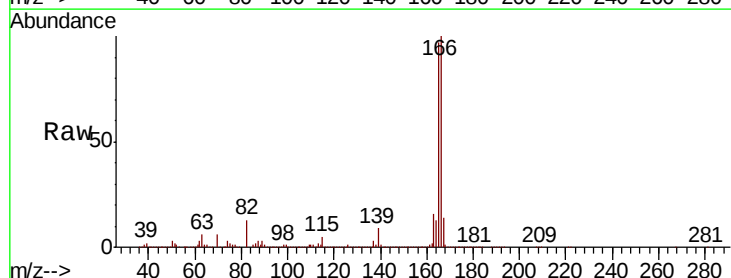
Tgt Ion:138 Resp: 50350

Ion Ratio Lower Upper

138 100

92 4.3 49.4 74.2#

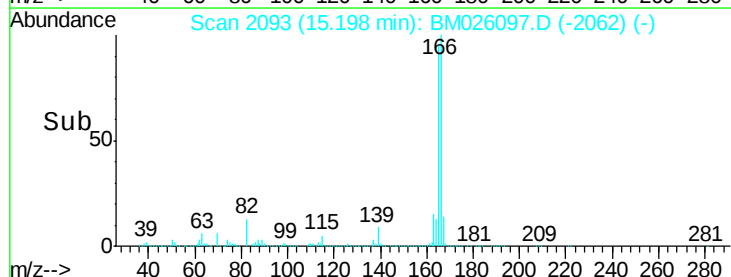
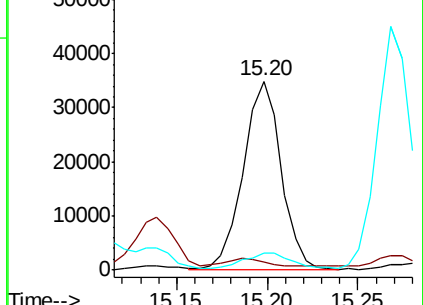
108 8.8 68.3 102.5#

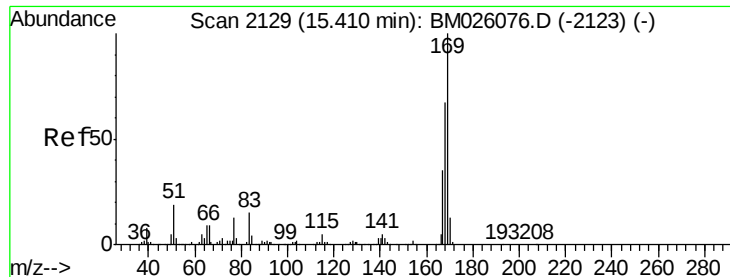


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



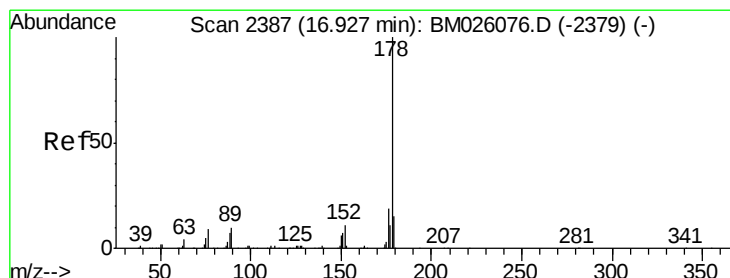
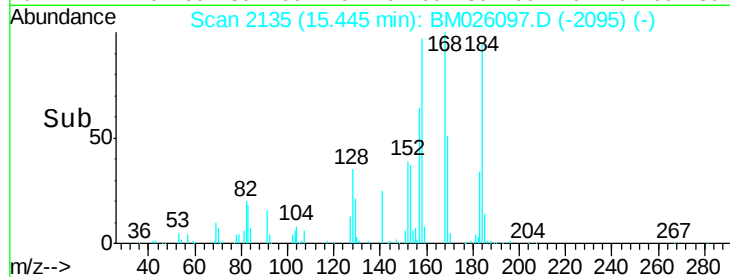
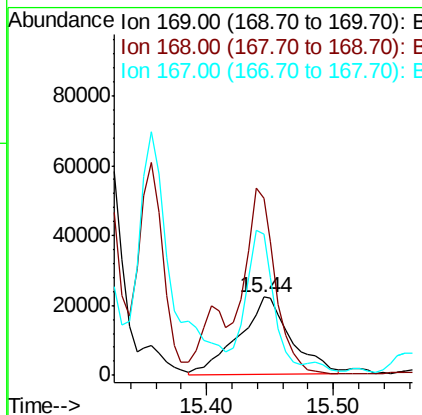
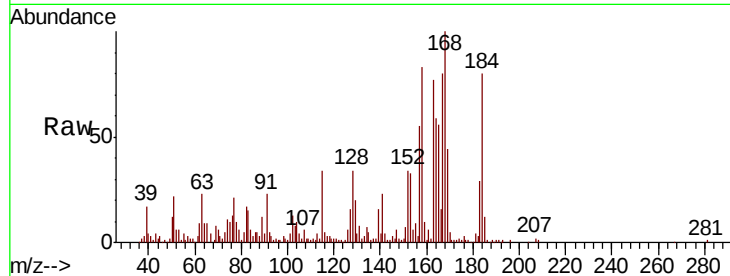


#65

N-Nitrosodiphenylamine
 Concen: 1.799 ng/ul
 RT: 15.44 min Scan# 2135
 Delta R.T. 0.04 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Instrument :
 BNA_M
 ClientSampleId :

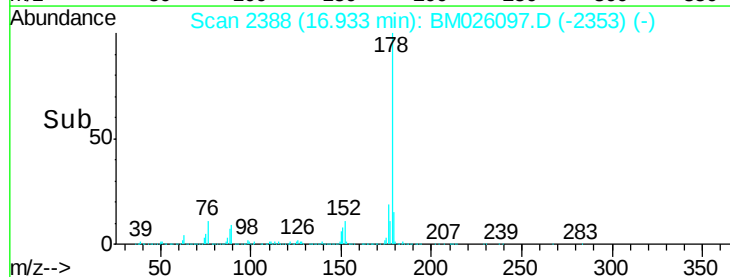
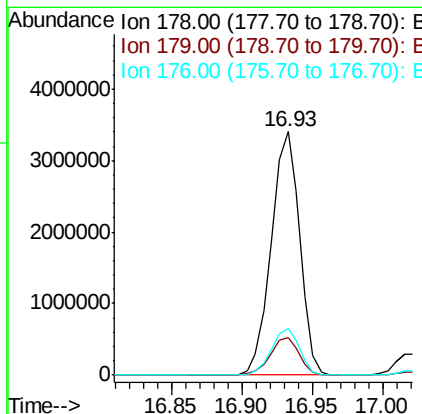
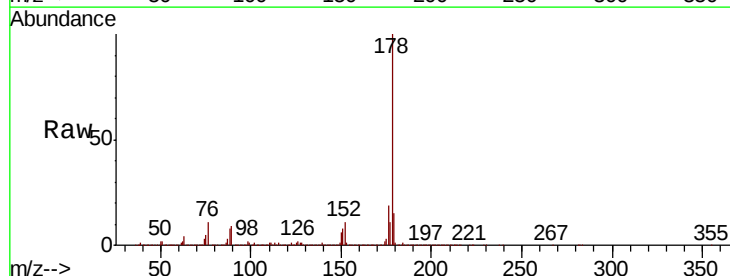
Tot Ion	Ratio	Lower	Upper
169	100		
168	226.5	52.6	78.8#
167	181.1	27.7	41.5#

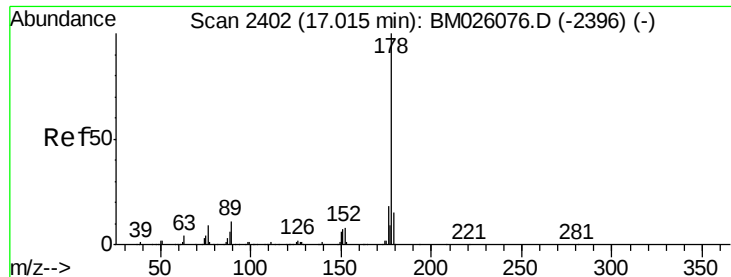


#70

Phenanthrene
 Concen: 72.470 ng/ul
 RT: 16.93 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	19.2	14.9	22.3





#72

Anthracene

Concen: 5.955 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

Instrument :

BNA_M

ClientSampleId :

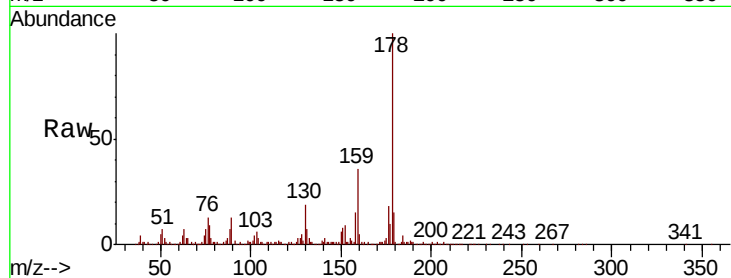
Tot Ion:178 Resp: 395447

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

176 18.4 14.9 22.3

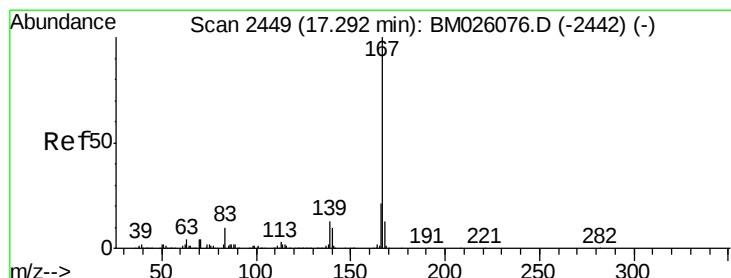
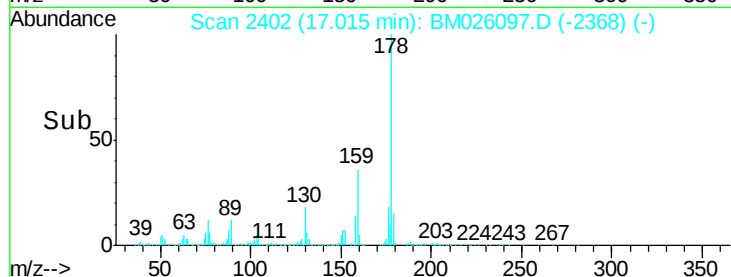
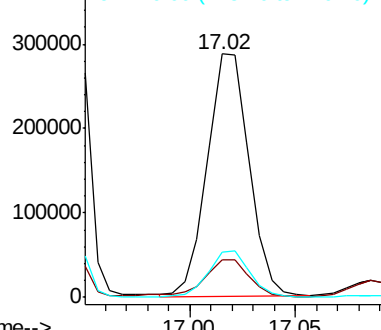


Abundance

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



#75

Carbazole

Concen: 219.501 ng/ul

RT: 17.31 min Scan# 2452

Delta R.T. 0.02 min

Lab File: BM026097.D

Acq: 23 May 2020 02:27

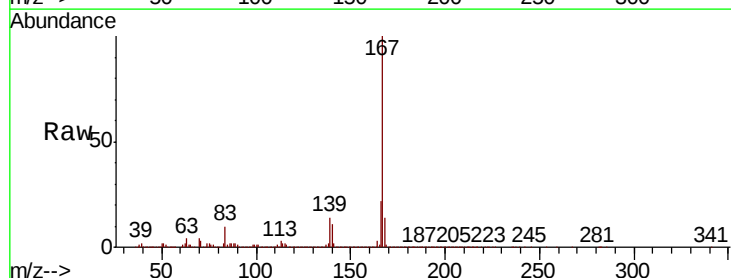
Tgt Ion:167 Resp:12057914

Ion Ratio Lower Upper

167 100

166 22.2 16.6 25.0

139 13.9 10.8 16.2

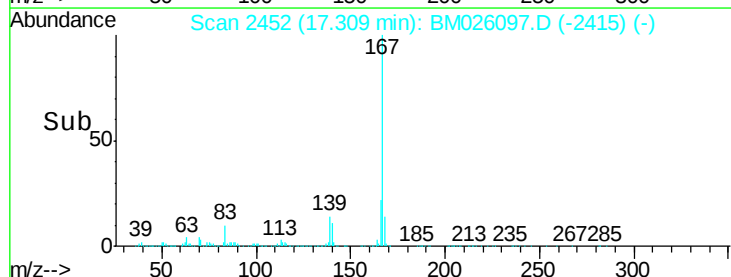
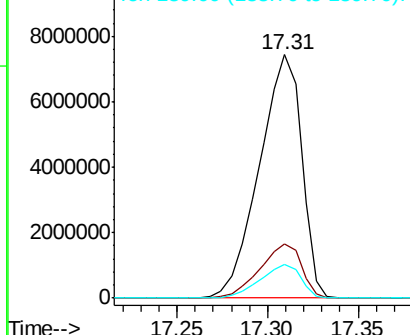


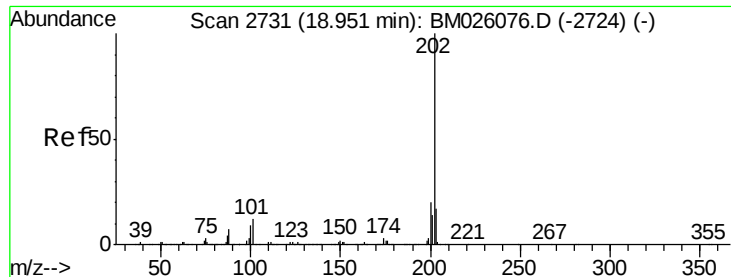
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

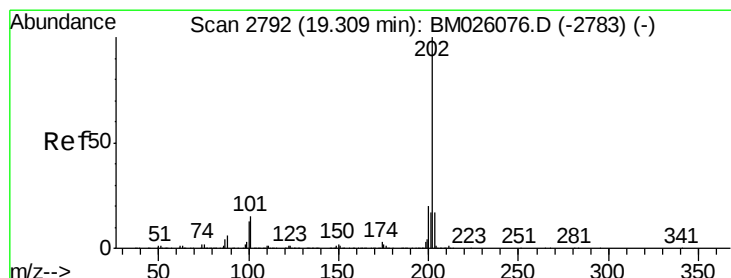
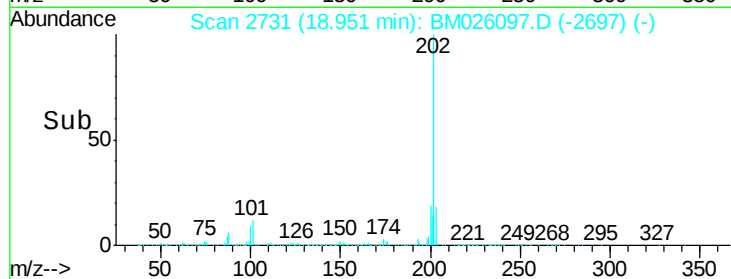
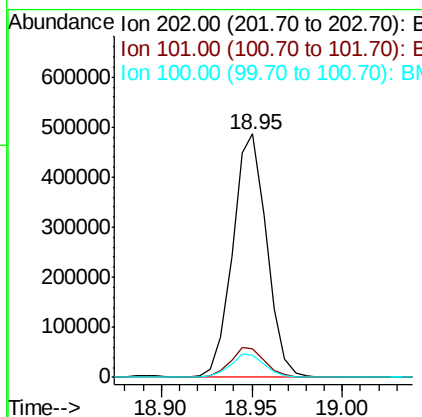
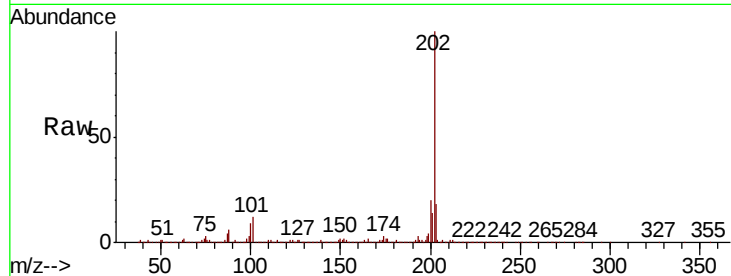




#77
 Fluoranthene
 Concen: 9.033 ng/ul
 RT: 18.95 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.5	14.3
100	9.1	7.6	11.4



#80
 Pyrene
 Concen: 8.455 ng/ul
 RT: 19.32 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM026097.D
 Acq: 23 May 2020 02:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	12.2	18.4
100	10.7	10.2	15.4

