

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052620\
 Data File : BM026132.D
 Acq On : 27 May 2020 02:46
 Operator : MA/SJ
 Sample : L2756-06MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 27 03:25:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 26 11:15:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	174120	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	719401	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.13	164	444002	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	929058	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	946957	20.00	ng/ul	-0.01
86) Perylene-d12	23.20	264	974665	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	23959	4.15	ng/uL	0.00
5) Phenol-d5	6.69	99	112057	7.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.84	67	301636	27.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	293172	23.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	196725	16.53	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	219627	37.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	201709	34.77	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	337160	28.95	ng/ul	0.02
29) 4-Chloroaniline-d4	10.40	131	32742	2.77	ng/ul	0.00
44) Dimethylphthalate-d6	13.56	166	1125011	31.60	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1340155	31.77	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	48518	7.69	ng/ul	0.00
58) Fluorene-d10	15.13	176	977257	31.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	181812	33.56	ng/ul	0.00
71) Anthracene-d10	16.98	188	1529742	33.41	ng/ul	0.00
79) Pyrene-d10	19.28	212	1690189	34.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	1510916	29.12	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.65	77	198564	19.318	ng/ul#	1
6) Phenol	6.71	94	144404	8.155	ng/ul#	93
10) 2-Chlorophenol	7.06	128	303589	22.528	ng/ul	94
11) 2-Methylphenol	7.95	108	237071	19.432	ng/ul	94
14) Acetophenone	8.30	105	295935	14.818	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.30	70	322627	27.415	ng/ul	92
16) 4-Methylphenol	8.27	108	229842	17.323	ng/ul	92
17) Hexachloroethane	8.52	117	78454	13.571	ng/ul#	10
21) Isophorone	9.23	82	6570197	219.303	ng/ul	97
24) 2,4-Dimethylphenol	9.47	107	65230	4.049	ng/ul	99
30) 4-Chloroaniline	10.39	127	16752238	1357.396	ng/ul#	17
33) 4-Chloro-3-methylphenol	11.56	107	389969	27.871	ng/ul	90
34) 2-Methylnaphthalene	11.94	142	11937628	403.503	ng/ul	100
35) 1-Methylnaphthalene	12.16	142	7898085	287.748	ng/ul	99
41) 1,1'-Biphenyl	12.96	154	2255990	57.262	ng/ul	99
45) Dimethylphthalate	13.60	163	216861	5.801	ng/ul	99
48) Acenaphthylene	13.85	152	6089589	131.492	ng/ul	99
50) Acenaphthene	14.20	153	1451822	44.452	ng/ul	99
53) 4-Nitrophenol	14.37	109	40644	7.244	ng/ul	92
54) Dibenzofuran	14.53	168	120383	2.623	ng/ul	99
55) 2,4-Dinitrotoluene	14.51	165	348778	34.310	ng/ul#	90
59) Fluorene	15.19	166	1842137	49.614	ng/ul	99
69) Pentachlorophenol	16.54	266	259545	38.740	ng/ul	98

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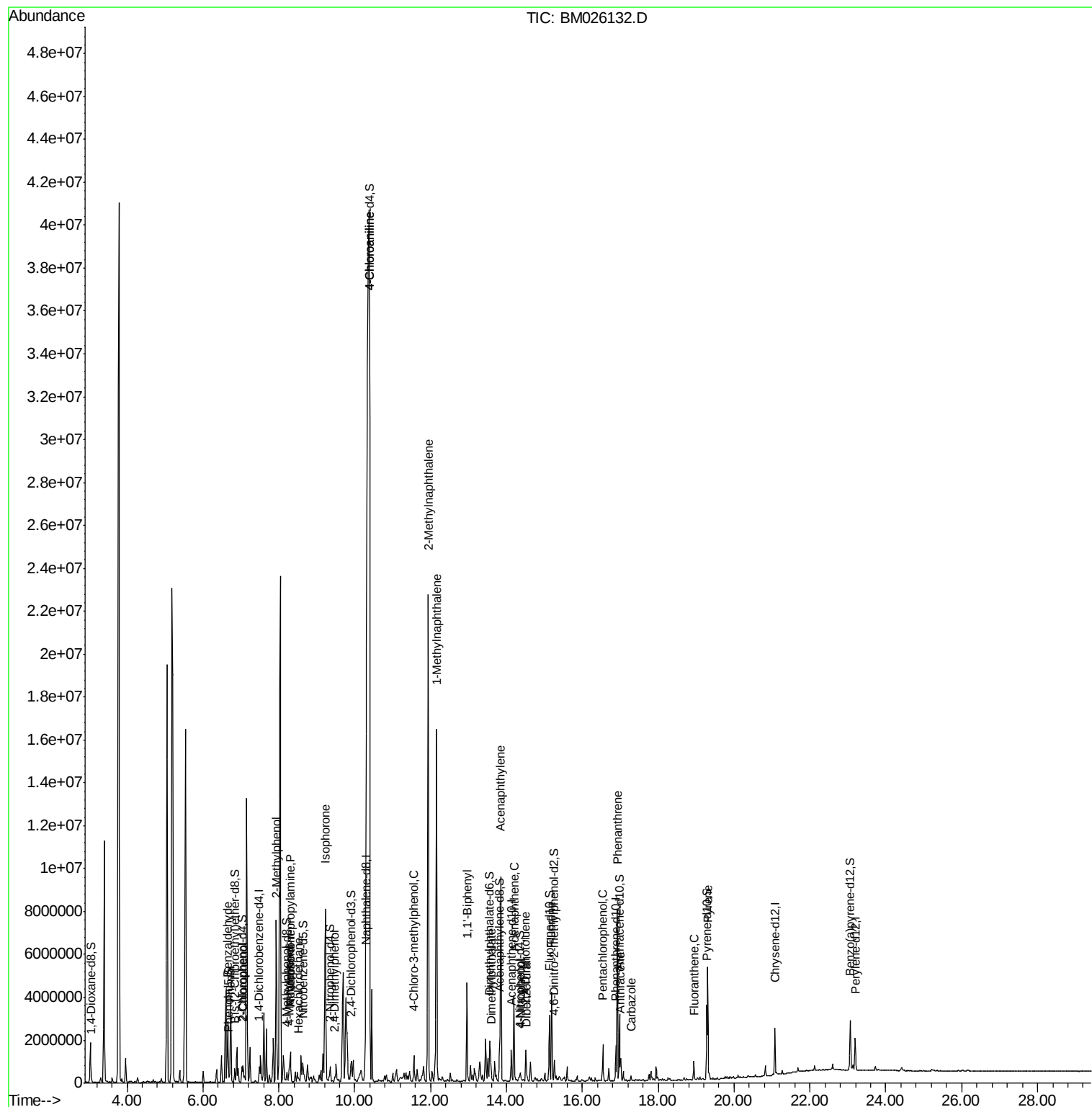
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	16.93	178	4437754	75.830	ng/ul	99
72) Anthracene	17.01	178	630581	10.740	ng/ul	98
75) Carbazole	17.29	167	130099	2.678	ng/ul	99
77) Fluoranthene	18.94	202	508527	8.284	ng/ul	99
80) Pyrene	19.31	202	2858296	42.996	ng/ul	98

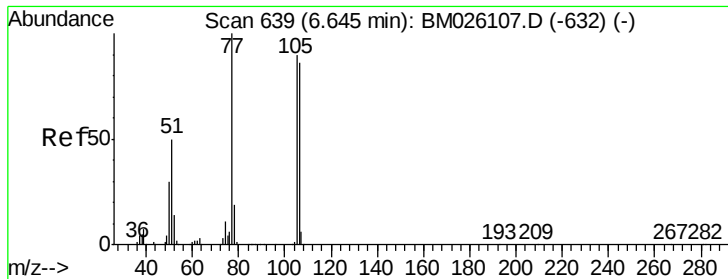
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 19.318 ng/ul

RT: 6.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampled :

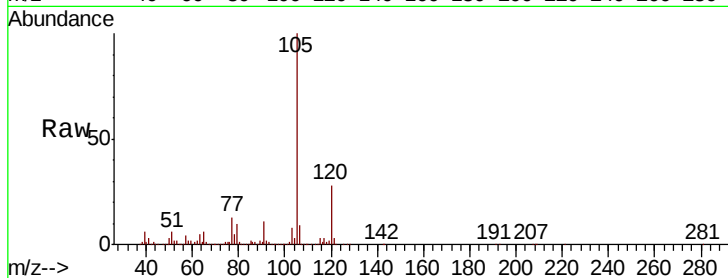
Tot Ion: 77 Resp: 198564

Ion Ratio Lower Upper

77 100

105 785.9 68.6 102.8#

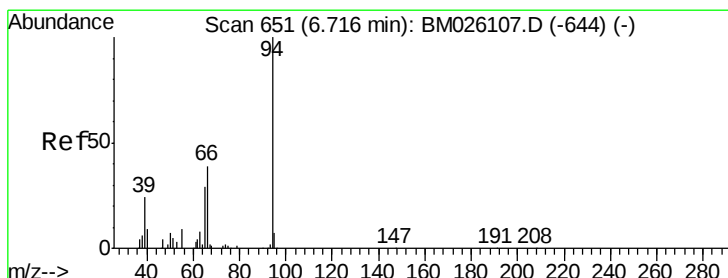
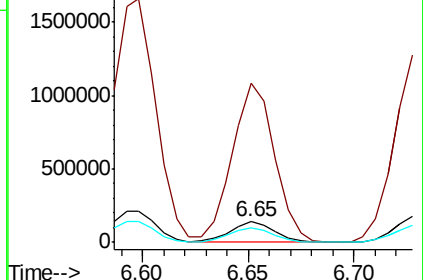
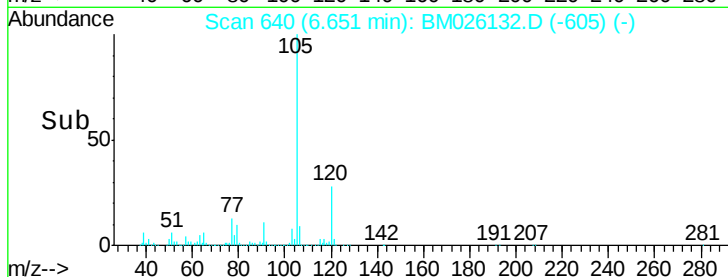
106 70.7 63.4 95.0



Abundance Ion 77.00 (76.70 to 77.70): BM026132.D (-605) (-)

Ion 105.00 (104.70 to 105.70): BM026132.D (-605) (-)

Ion 106.00 (105.70 to 106.70): BM026132.D (-605) (-)



#6

Phenol

Concen: 8.155 ng/ul

RT: 6.71 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

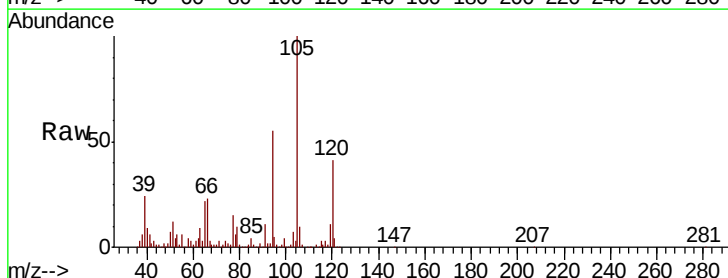
Tgt Ion: 94 Resp: 144404

Ion Ratio Lower Upper

94 100

65 39.9 25.8 38.8#

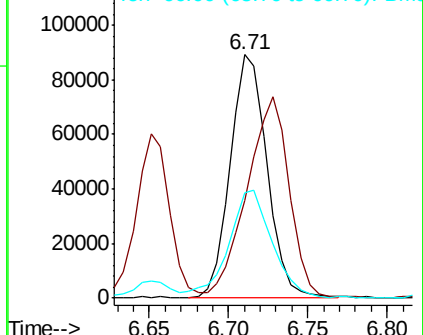
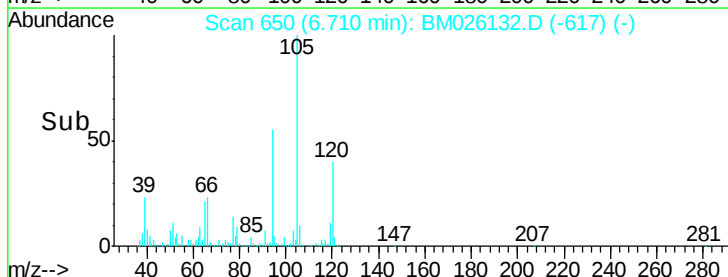
66 43.1 33.3 49.9

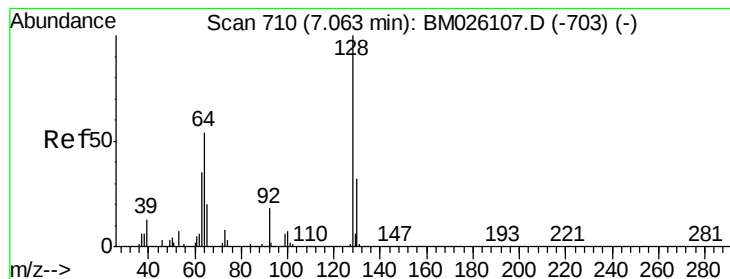


Abundance Ion 94.00 (93.70 to 94.70): BM026132.D (-617) (-)

Ion 65.00 (64.70 to 65.70): BM026132.D (-617) (-)

Ion 66.00 (65.70 to 66.70): BM026132.D (-617) (-)





#10

2-Chlorophenol

Concen: 22.528 ng/ul

RT: 7.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampled :

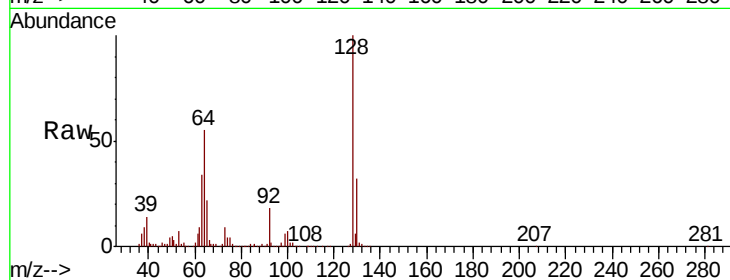
Tot Ion:128 Resp: 303589

Ion Ratio Lower Upper

128 100

64 55.4 49.3 73.9

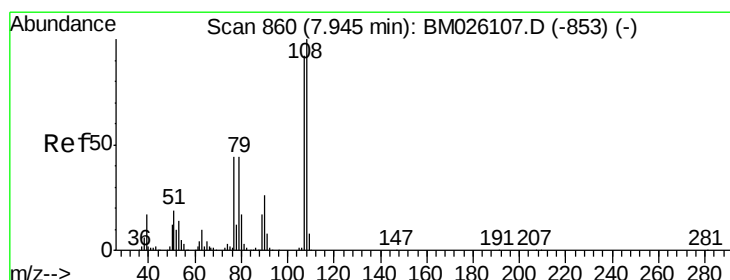
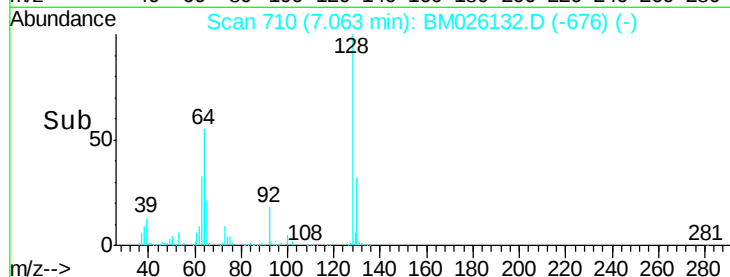
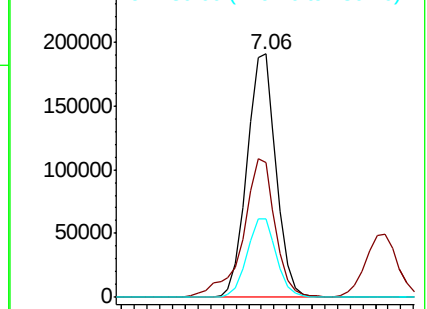
130 32.2 26.6 39.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 19.432 ng/ul

RT: 7.95 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM026132.D

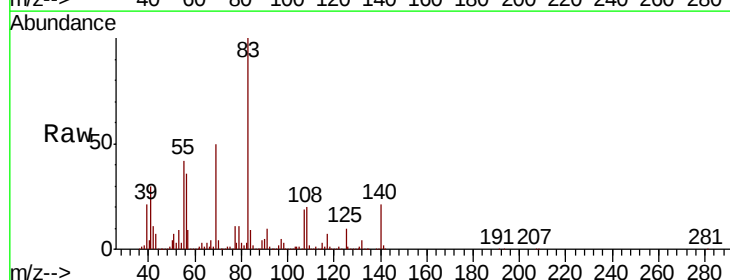
Acq: 27 May 2020 02:46

Tgt Ion:108 Resp: 237071

Ion Ratio Lower Upper

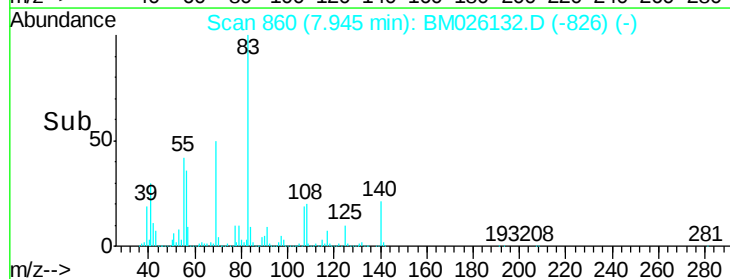
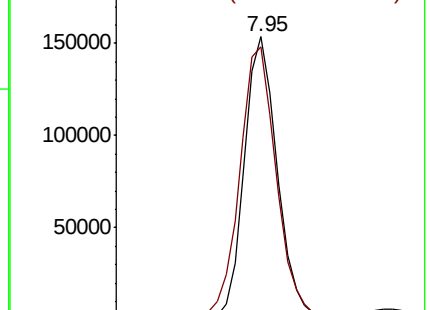
108 100

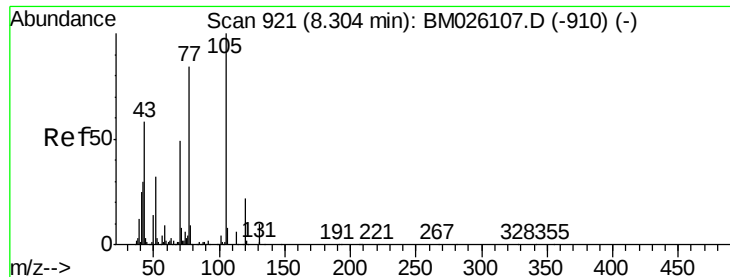
107 96.4 72.3 108.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#14

Acetophenone

Concen: 14.818 ng/ul

RT: 8.30 min Scan# 921

Delta R.T. 0.00 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampleId :

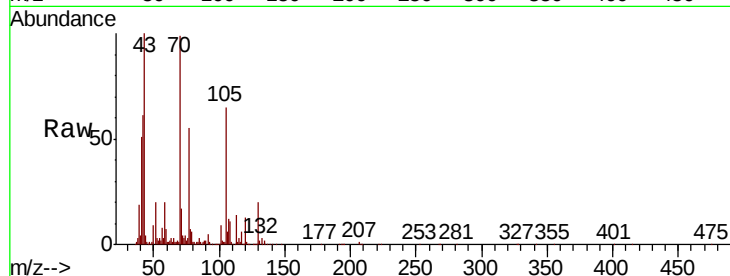
Tot Ion:105 Resp: 295935

Ion Ratio Lower Upper

105 100

77 83.8 67.2 100.8

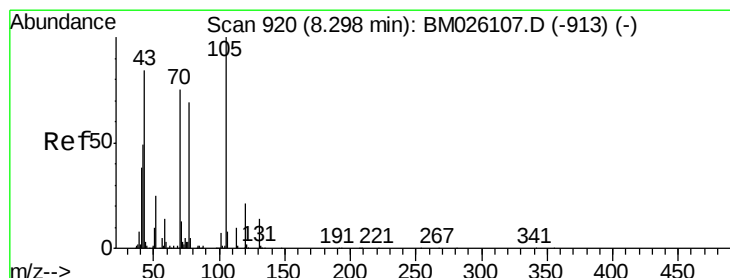
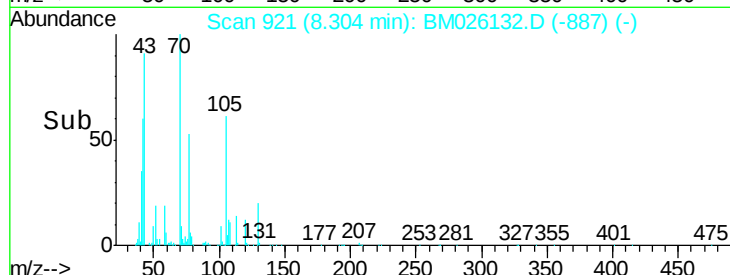
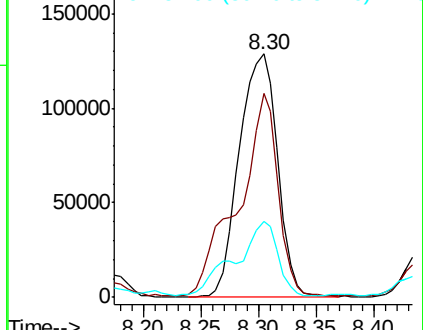
51 31.3 27.4 41.0



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#15

N-Nitroso-di-n-propylamine

Concen: 27.415 ng/ul

RT: 8.30 min Scan# 921

Delta R.T. 0.01 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Tgt Ion: 70 Resp: 322627

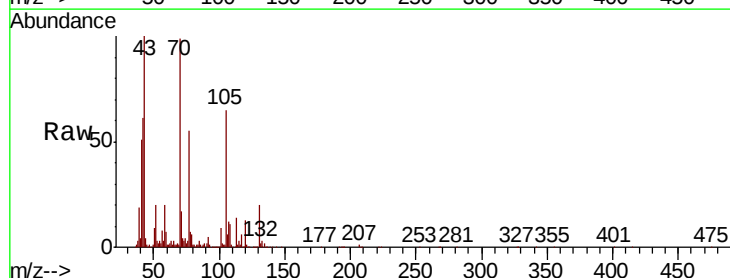
Ion Ratio Lower Upper

70 100

42 61.3 55.5 83.3

101 9.1 7.8 11.6

130 19.6 13.6 20.4

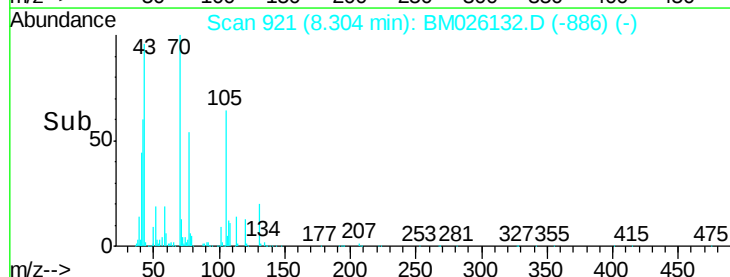
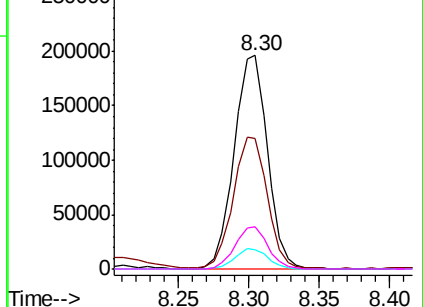


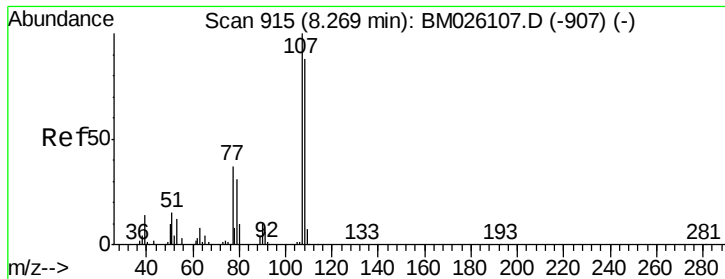
Abundance Ion 70.00 (69.70 to 70.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

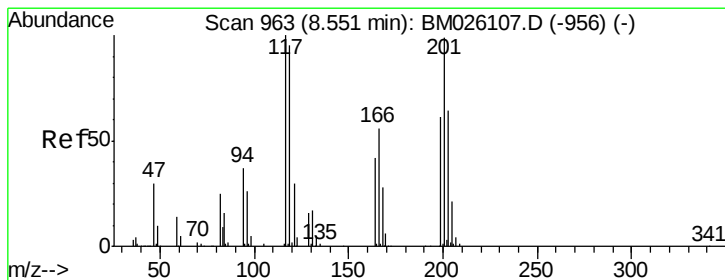
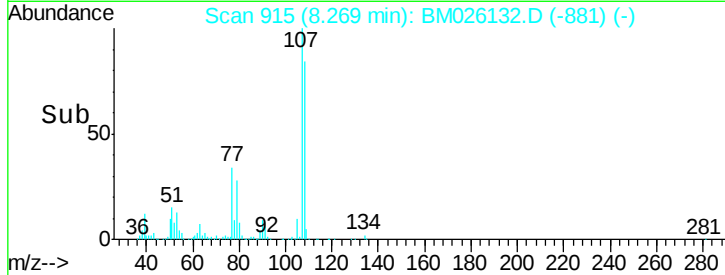
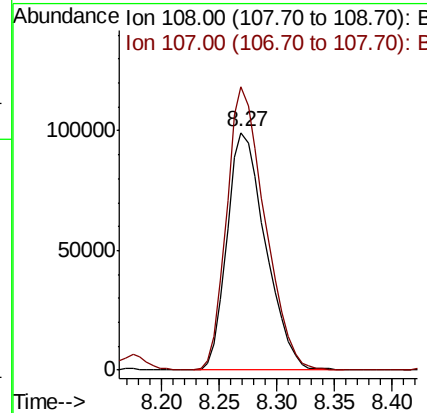
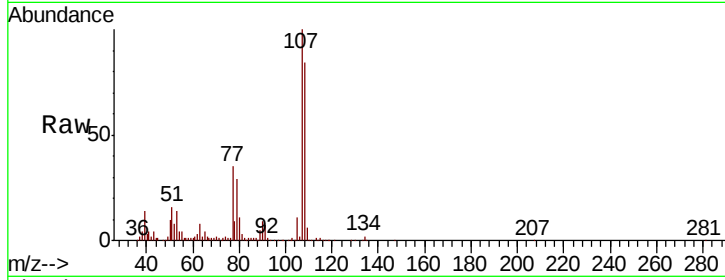




#16
4-Methylphenol
Concen: 17.323 ng/ul
RT: 8.27 min Scan# 915
Delta R.T. 0.00 min
Lab File: BM026132.D
Acq: 27 May 2020 02:46

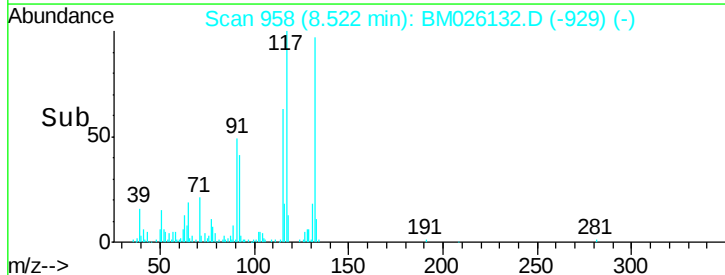
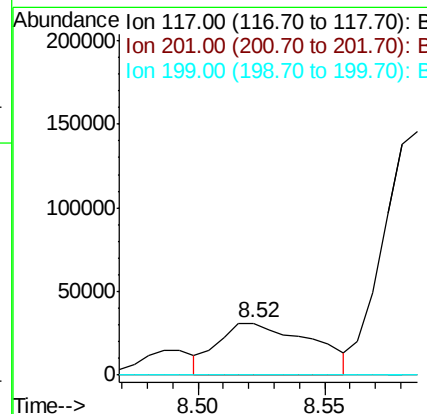
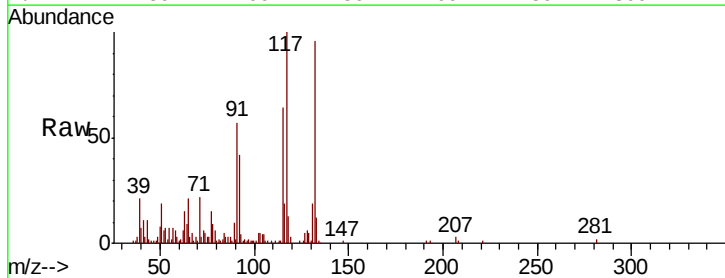
Instrument :
BNA_M
ClientSampled :

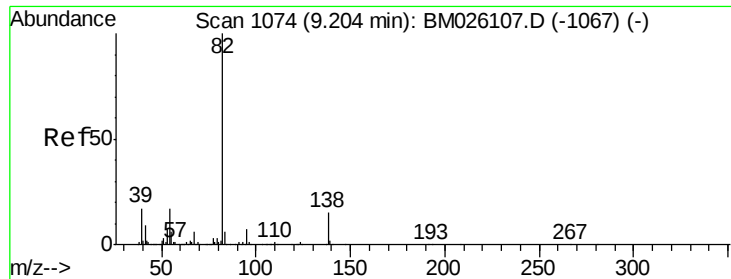
Tot Ion:108 Resp: 229842
Ion Ratio Lower Upper
108 100
107 119.2 88.6 132.8



#17
Hexachloroethane
Concen: 13.571 ng/ul
RT: 8.52 min Scan# 958
Delta R.T. -0.03 min
Lab File: BM026132.D
Acq: 27 May 2020 02:46

Tgt Ion:117 Resp: 78454
Ion Ratio Lower Upper
117 100
201 0.0 74.5 111.7#
199 0.0 45.9 68.9#





#21

Isophorone

Concen: 219.303 ng/ul

RT: 9.23 min Scan# 1078

Delta R.T. 0.02 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampleId :

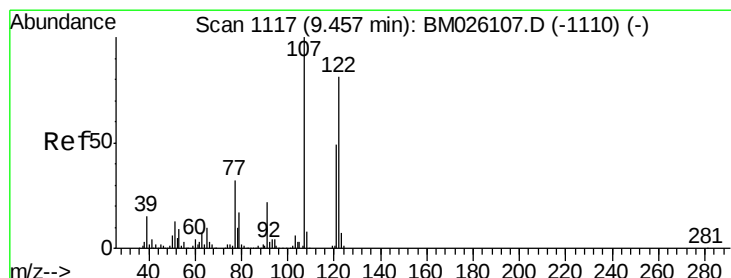
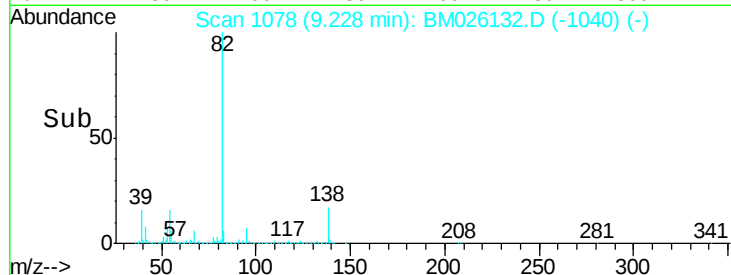
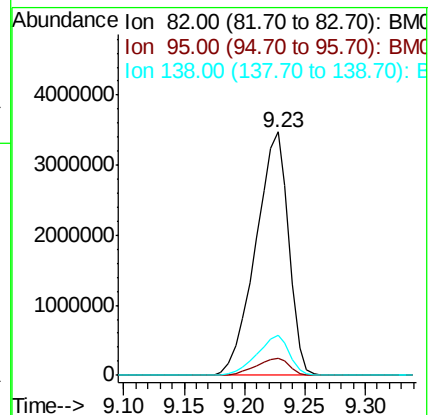
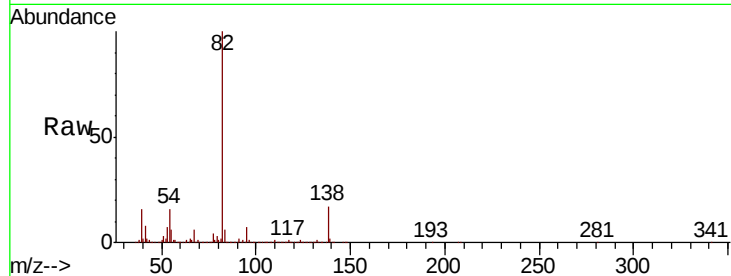
Tot Ion: 82 Resp: 6570197

Ion Ratio Lower Upper

82 100

95 7.2 5.6 8.4

138 16.7 11.9 17.9



#24

2,4-Dimethylphenol

Concen: 4.049 ng/ul

RT: 9.47 min Scan# 1120

Delta R.T. 0.02 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

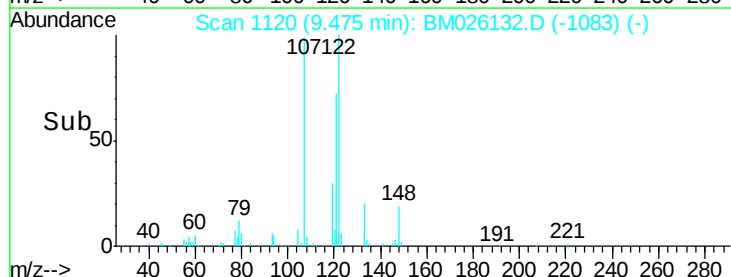
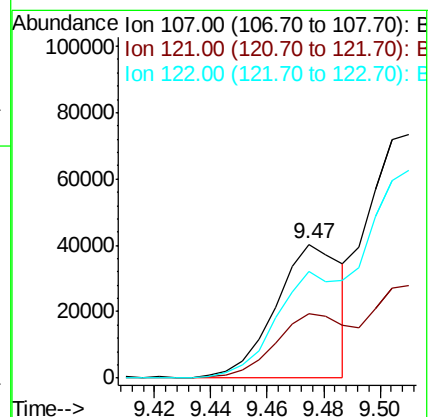
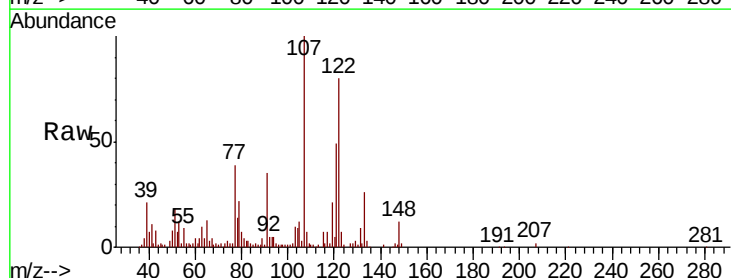
Tgt Ion: 107 Resp: 65230

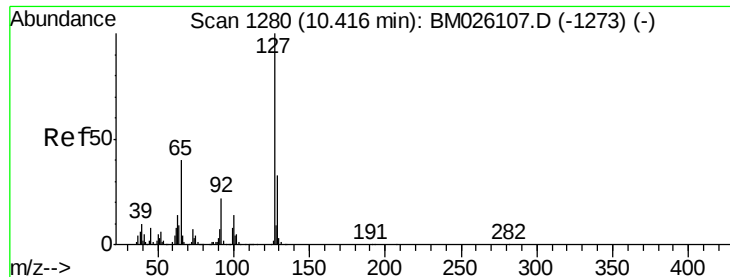
Ion Ratio Lower Upper

107 100

121 48.5 37.5 56.3

122 79.9 63.8 95.6

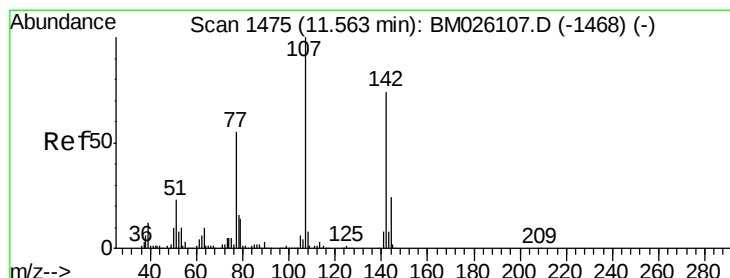
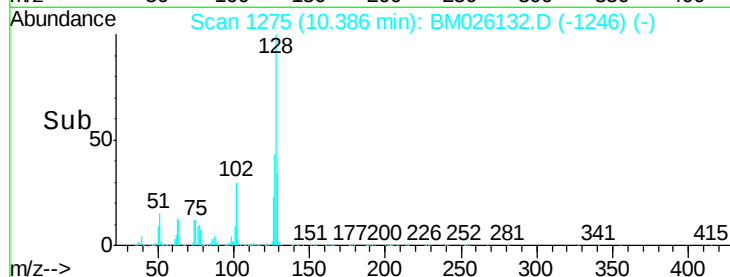
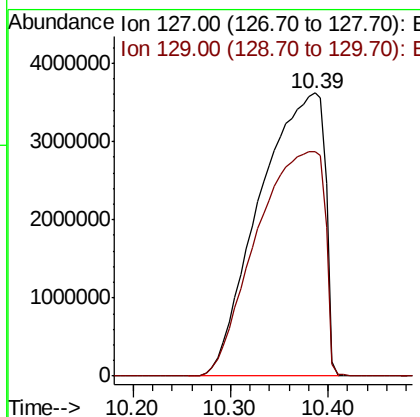
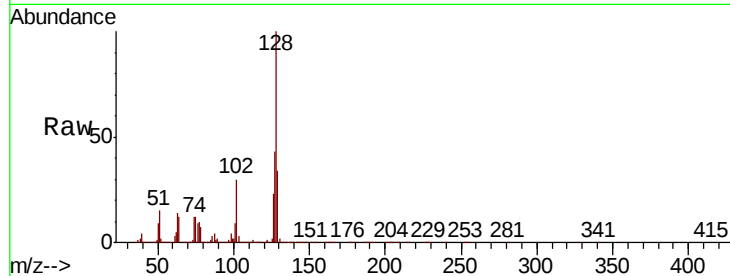




#30
 4-Chloroaniline
 Concen: 1357.396 ng/ul
 RT: 10.39 min Scan# 1275
 Delta R.T. -0.03 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

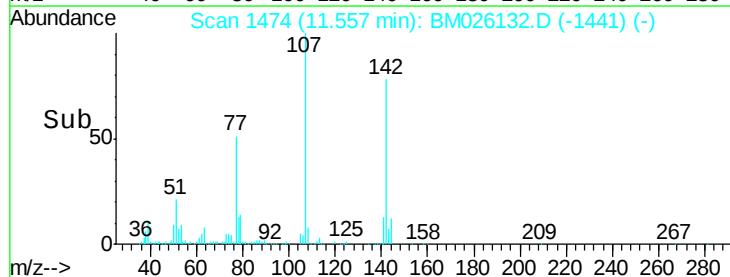
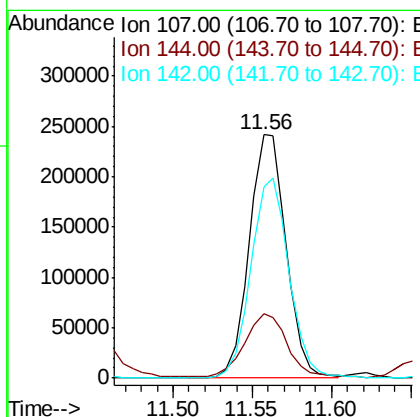
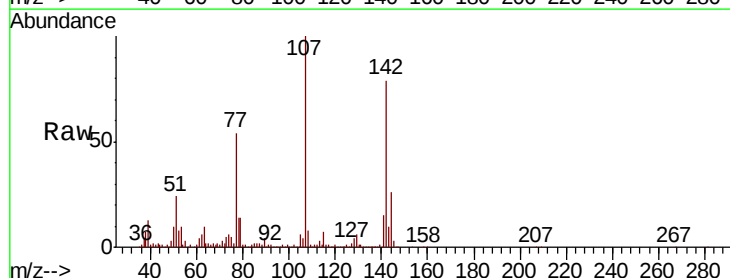
Instrument :
 BNA_M
 ClientSampleId :

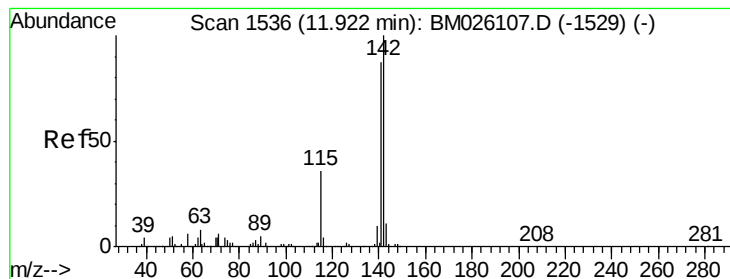
Tot Ion:127 Resp:16752238
 Ion Ratio Lower Upper
 127 100
 129 79.1 26.2 39.2#



#33
 4-Chloro-3-methylphenol
 Concen: 27.871 ng/ul
 RT: 11.56 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Tgt Ion:107 Resp: 389969
 Ion Ratio Lower Upper
 107 100
 144 26.5 18.1 27.1
 142 78.8 56.0 84.0





#34

2-Methylnaphthalene

Concen: 403.503 ng/ul

RT: 11.94 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

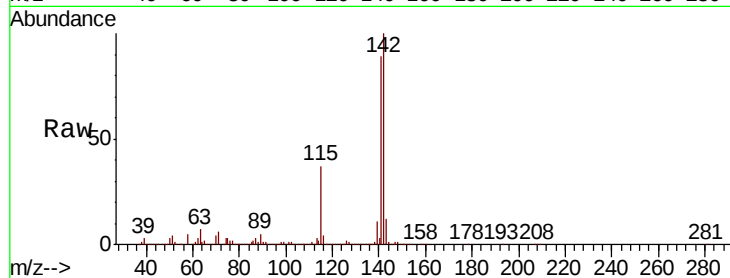
ClientSampleId :

Tot Ion:142 Resp:11937628

Ion Ratio Lower Upper

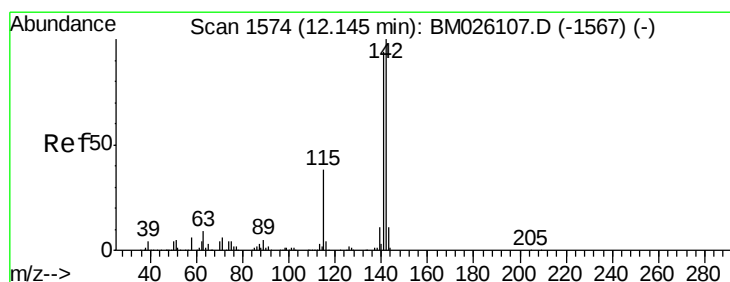
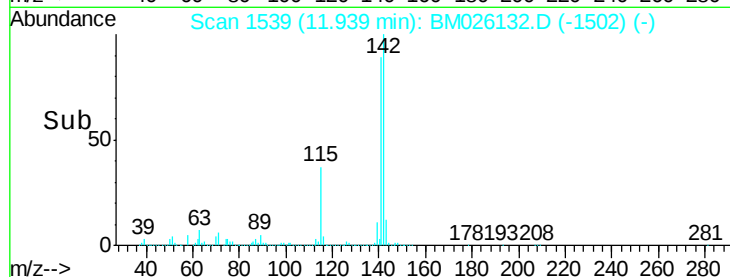
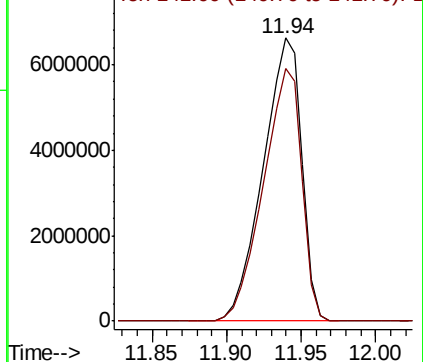
142 100

141 89.3 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 287.748 ng/ul

RT: 12.16 min Scan# 1577

Delta R.T. 0.02 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

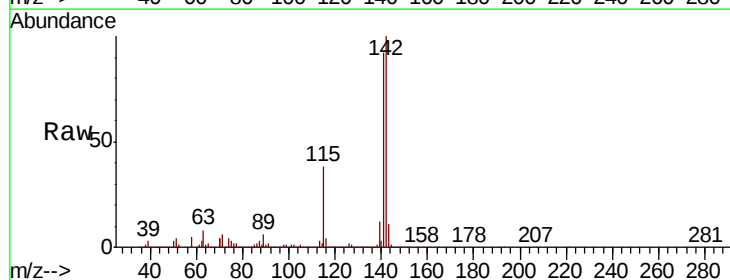
Tgt Ion:142 Resp: 7898085

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.4

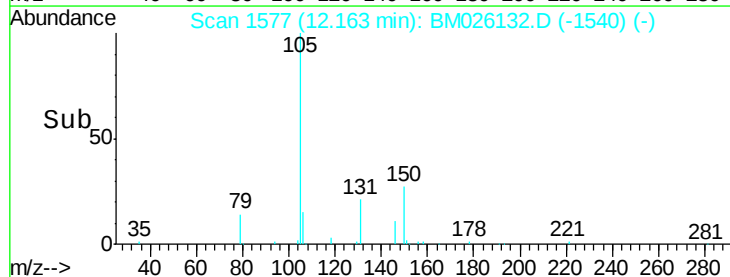
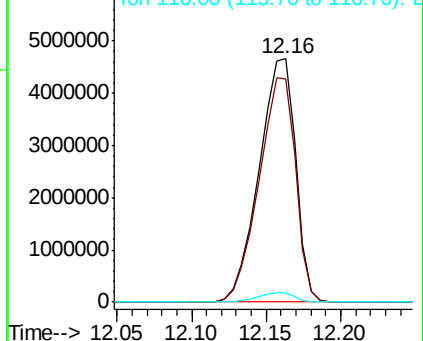
116 4.0 3.3 4.9

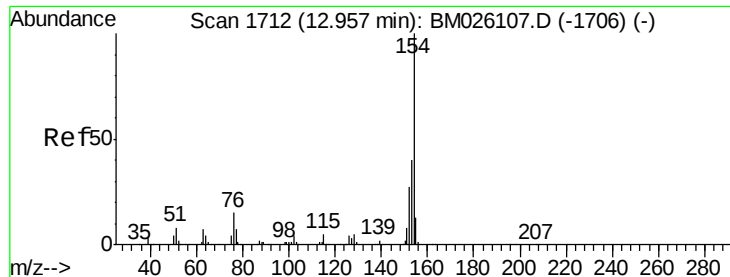


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

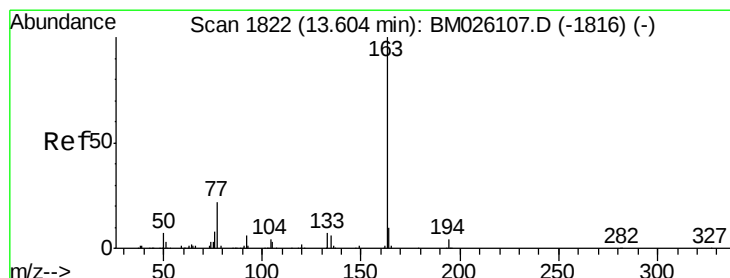
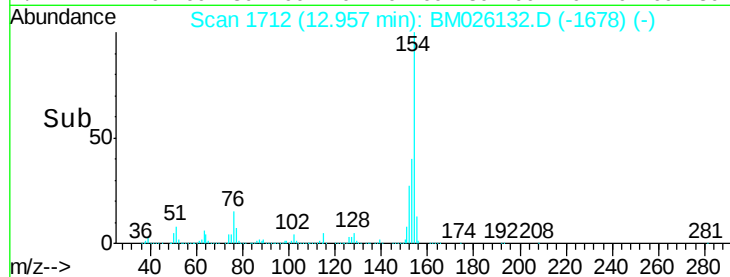
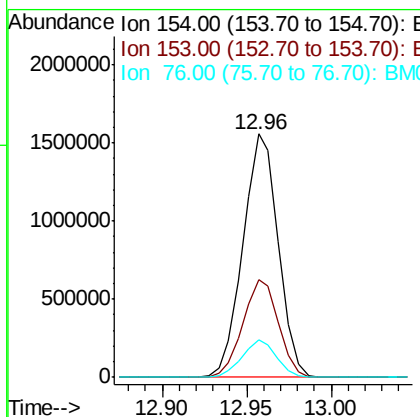
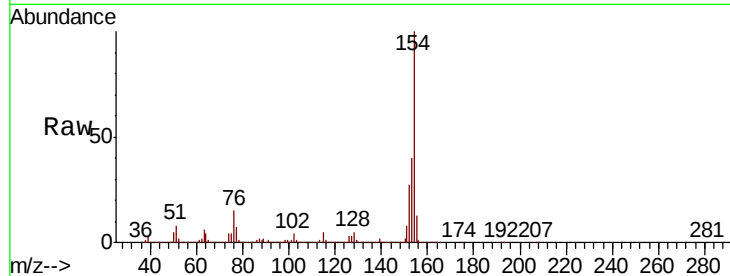




#41
 1,1'-Biphenyl
 Concen: 57.262 ng/ul
 RT: 12.96 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

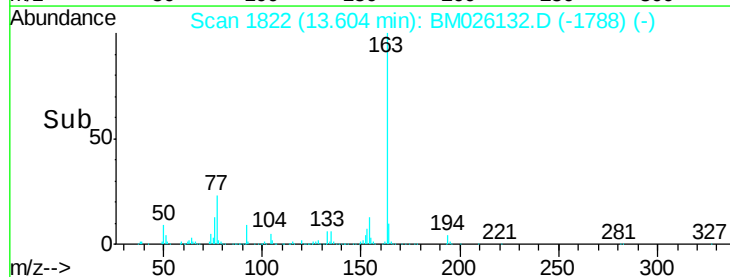
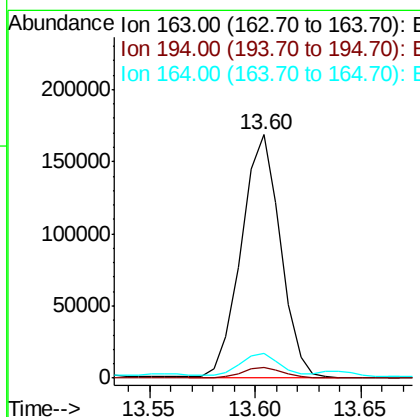
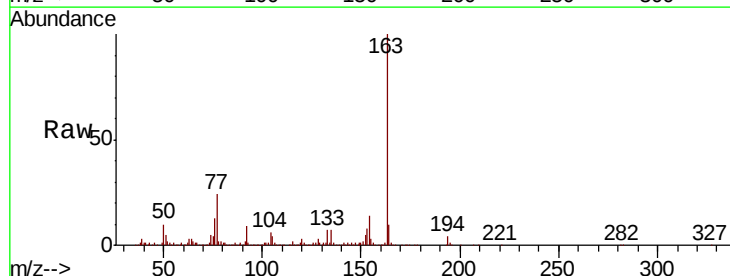
Instrument :
 BNA_M
 ClientSampleId :

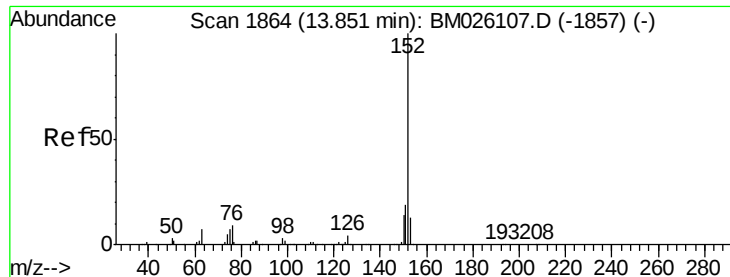
Tot Ion:154 Resp: 2255990
 Ion Ratio Lower Upper
 154 100
 153 40.2 32.3 48.5
 76 15.2 13.0 19.6



#45
 Dimethylphthalate
 Concen: 5.801 ng/ul
 RT: 13.60 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Tgt Ion:163 Resp: 216861
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.2 4.8
 164 10.3 8.0 12.0





#48

Acenaphthylene

Concen: 131.492 ng/ul

RT: 13.85 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

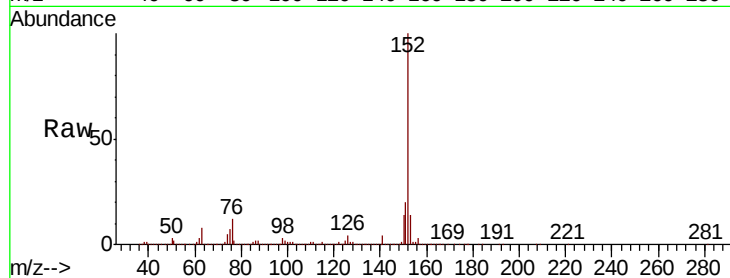
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 6089589

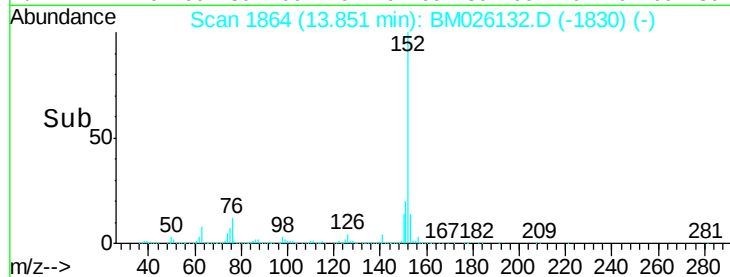
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.7	10.2	15.2



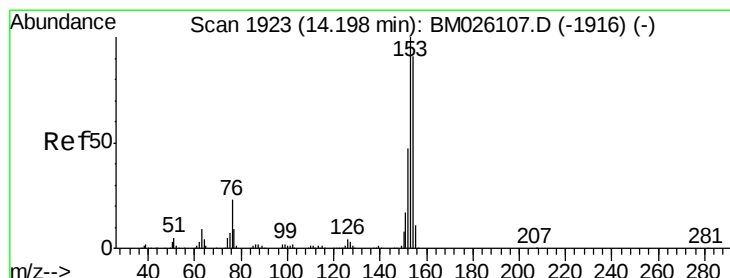
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

Acenaphthene

Concen: 44.452 ng/ul

RT: 14.20 min Scan# 1923

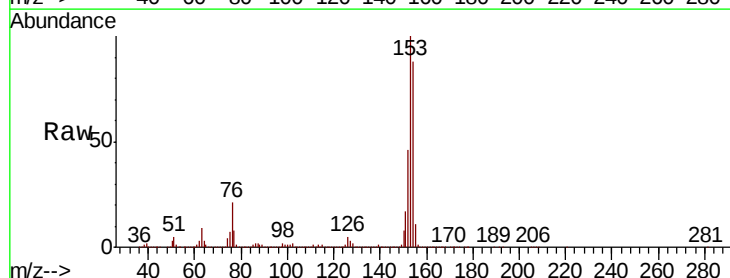
Delta R.T. 0.00 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Tgt Ion:153 Resp: 1451822

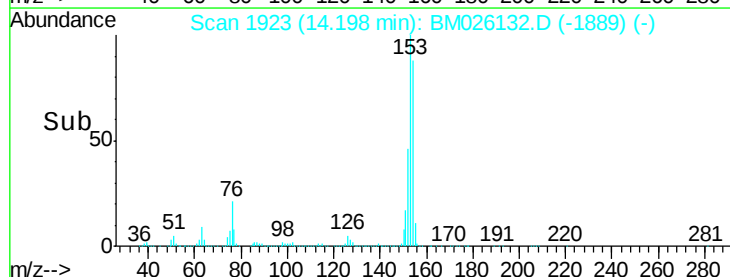
Ion	Ratio	Lower	Upper
153	100		
152	45.9	37.2	55.8
154	88.3	69.8	104.8



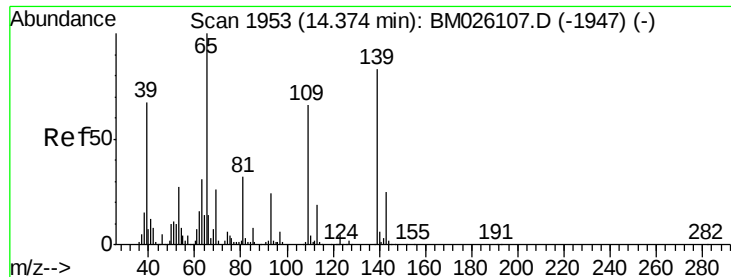
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#53

4-Nitrophenol

Concen: 7.244 ng/ul

RT: 14.37 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampled :

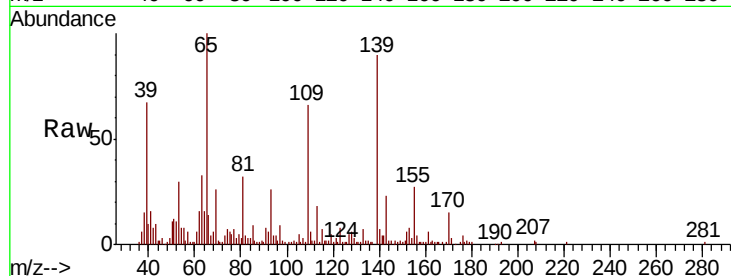
Tot Ion:109 Resp: 40644

Ion Ratio Lower Upper

109 100

139 136.4 95.8 143.8

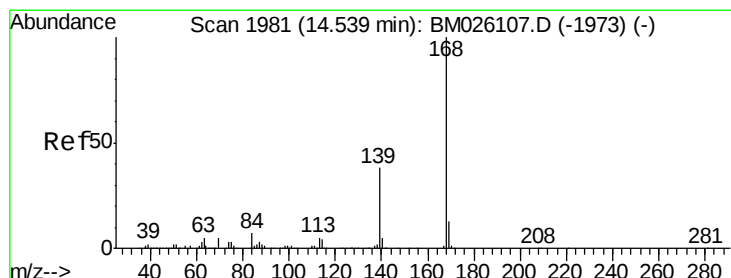
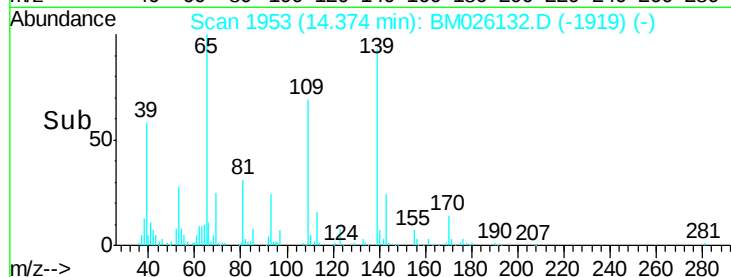
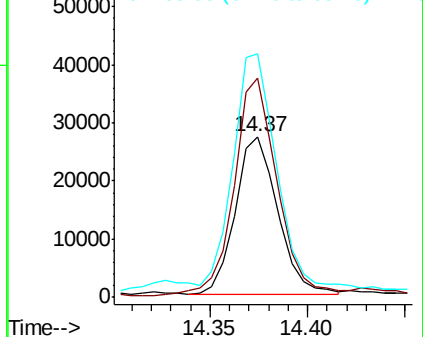
65 151.2 123.2 184.8



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#54

Dibenzofuran

Concen: 2.623 ng/ul

RT: 14.53 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM026132.D

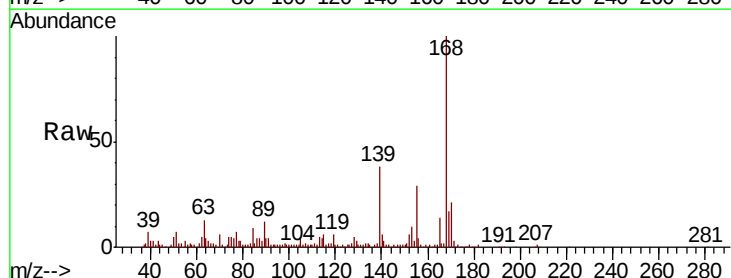
Acq: 27 May 2020 02:46

Tgt Ion:168 Resp: 120383

Ion Ratio Lower Upper

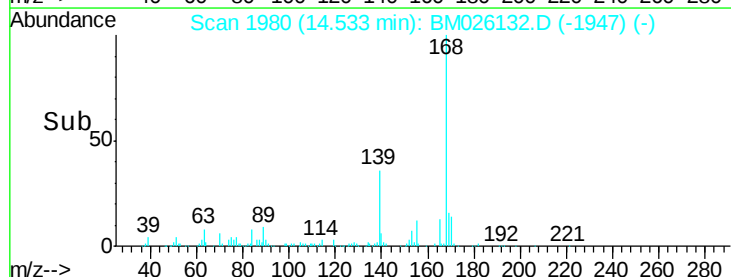
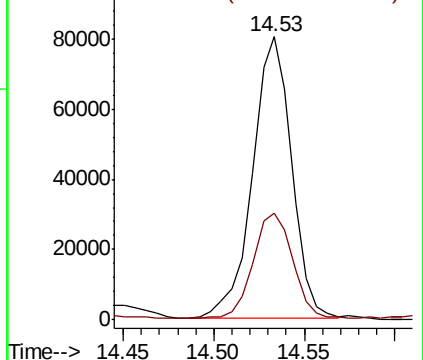
168 100

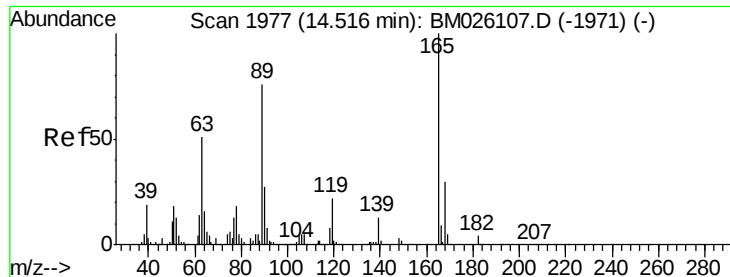
139 37.7 30.7 46.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

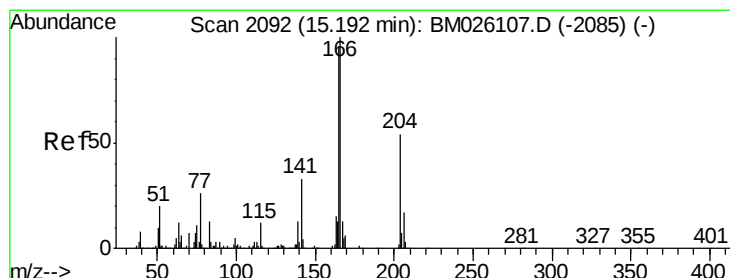
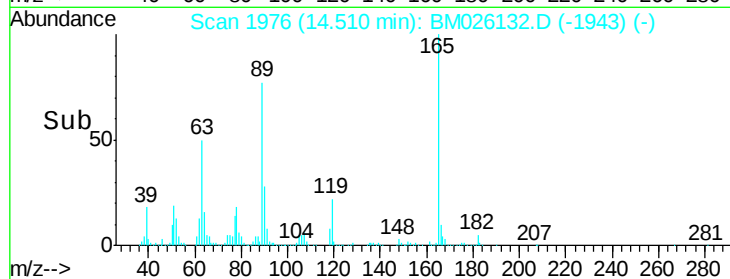
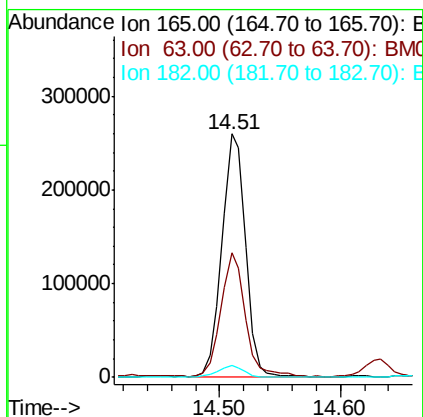
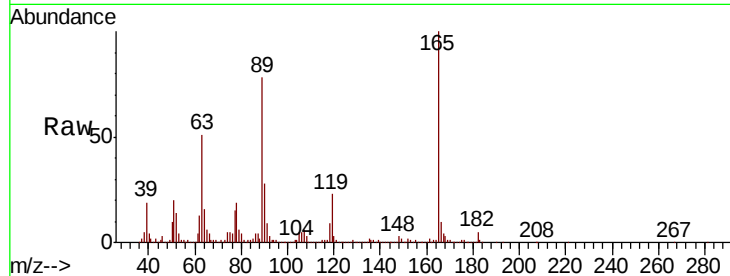




#55
 2,4-Dinitrotoluene
 Concen: 34.310 ng/ul
 RT: 14.51 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

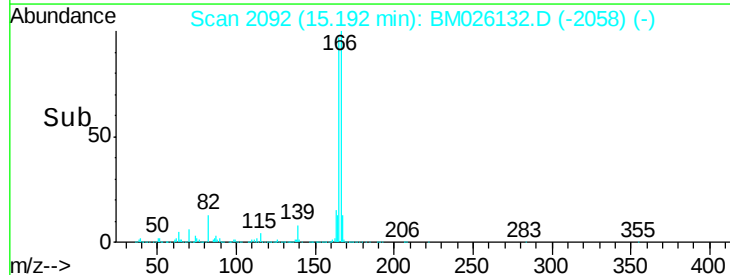
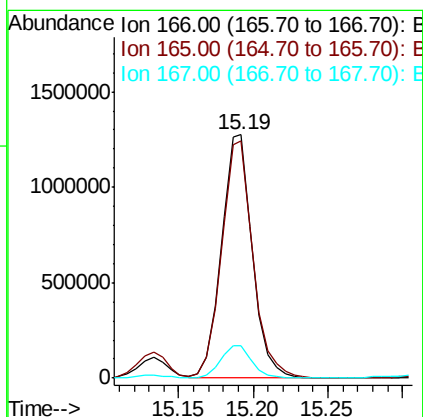
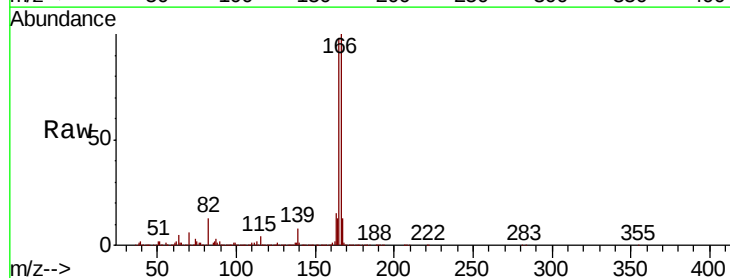
Instrument :
 BNA_M
 ClientSampleId :

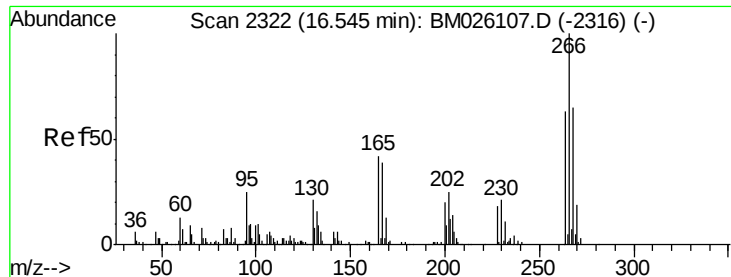
Tot Ion:165 Resp: 348778
 Ion Ratio Lower Upper
 165 100
 63 51.1 46.8 70.2
 182 4.7 2.6 3.8#



#59
 Fluorene
 Concen: 49.614 ng/ul
 RT: 15.19 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Tgt Ion:166 Resp: 1842137
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.3 115.9
 167 13.2 10.6 16.0

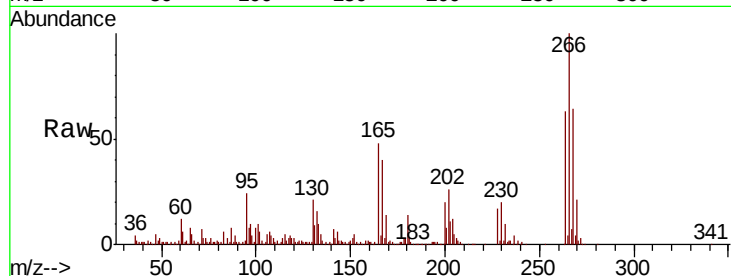




#69
 Pentachlorophenol
 Concen: 38.740 ng/ul
 RT: 16.54 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.3	73.9
268	63.9	52.4	78.6

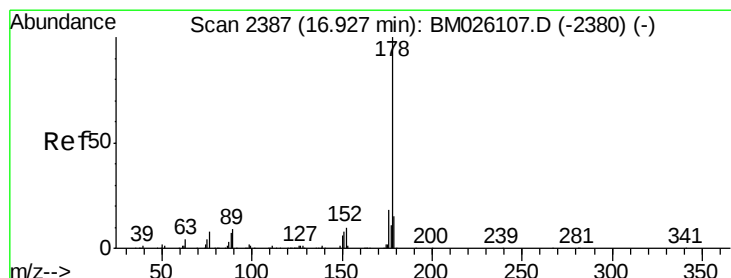
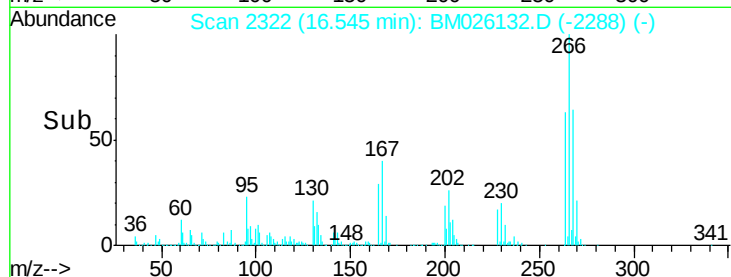
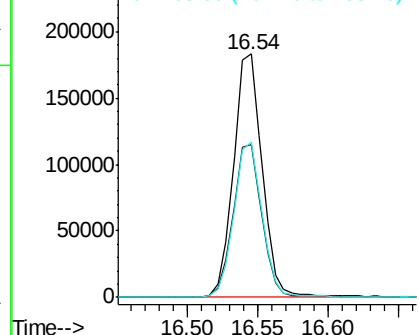


Abundance

Ion 265.70 (265.40 to 266.40): E

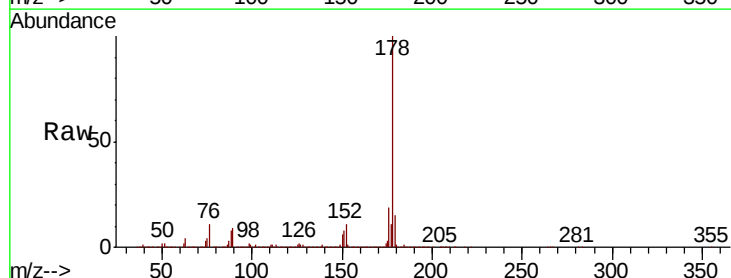
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 75.830 ng/ul
 RT: 16.93 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	18.9	14.9	22.3

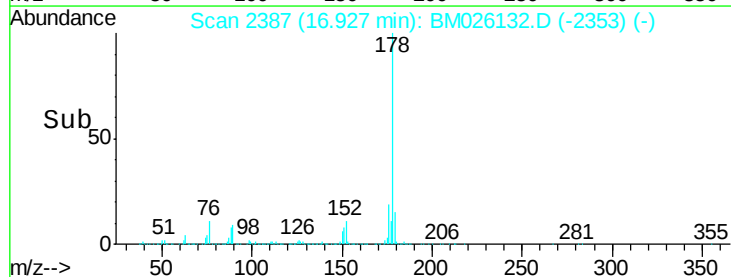
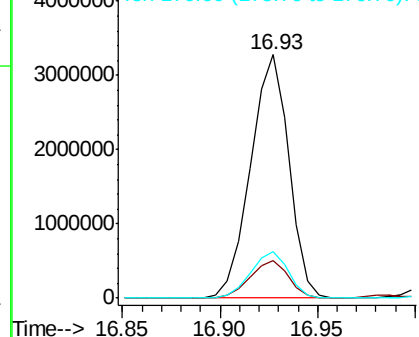


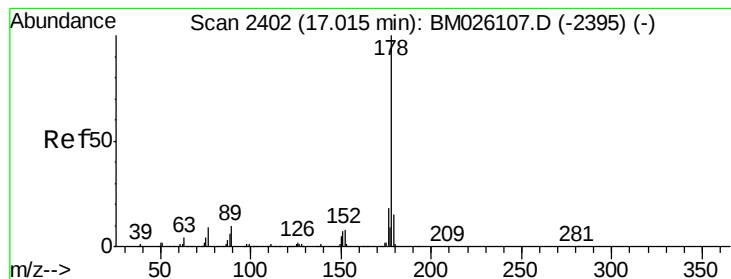
Abundance

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





#72

Anthracene

Concen: 10.740 ng/ul

RT: 17.01 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

Instrument :

BNA_M

ClientSampleId :

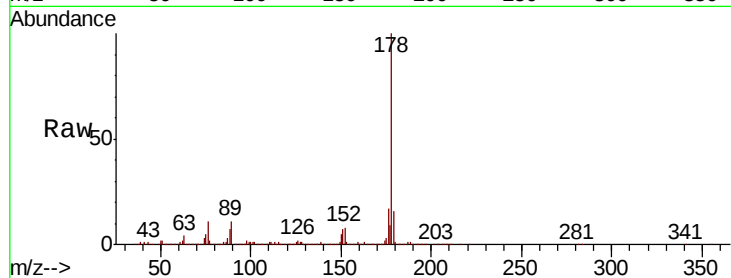
Tot Ion:178 Resp: 630581

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

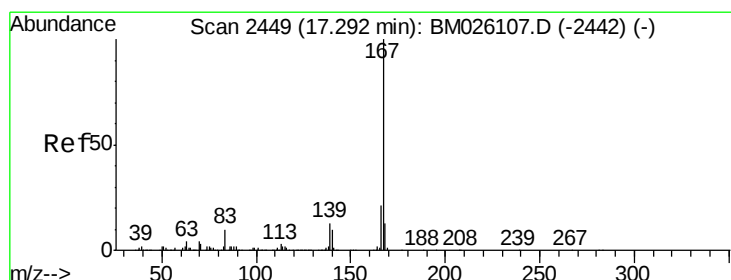
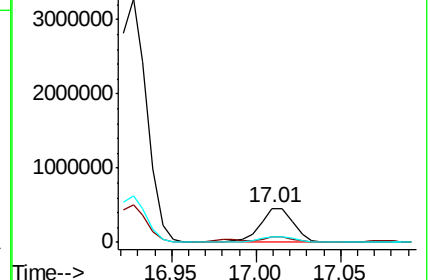
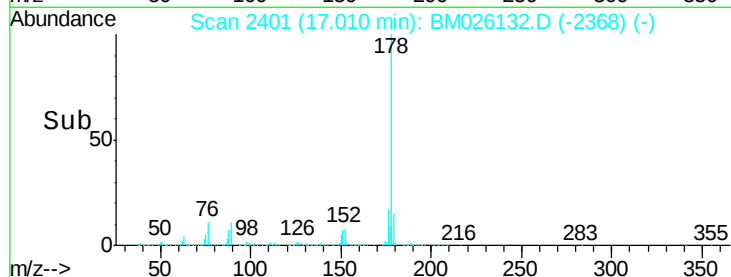
176 17.3 14.9 22.3



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: 2.678 ng/ul

RT: 17.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM026132.D

Acq: 27 May 2020 02:46

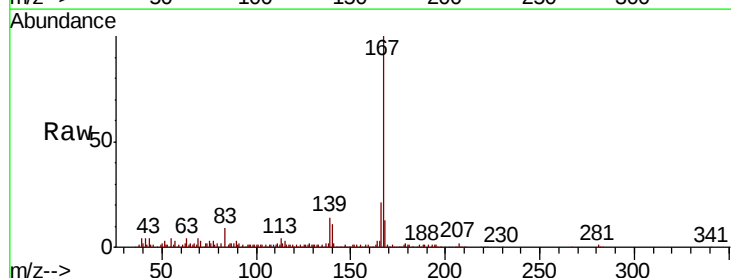
Tgt Ion:167 Resp: 130099

Ion Ratio Lower Upper

167 100

166 21.1 16.6 25.0

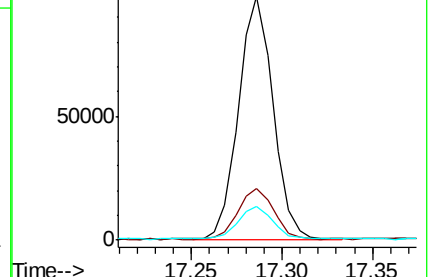
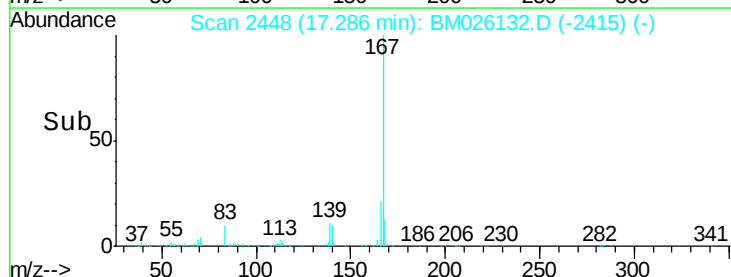
139 13.7 10.8 16.2

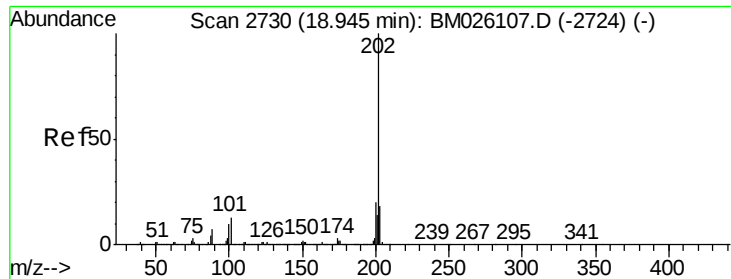


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

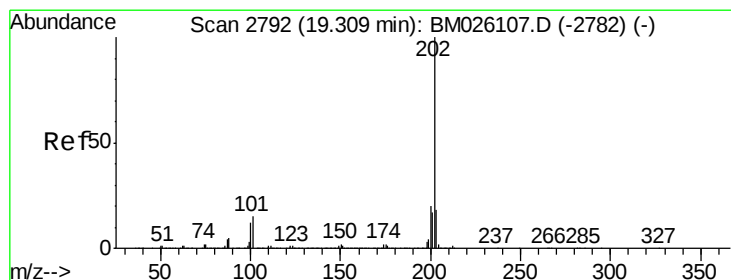
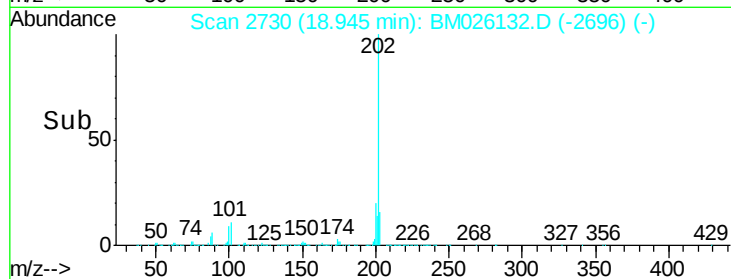
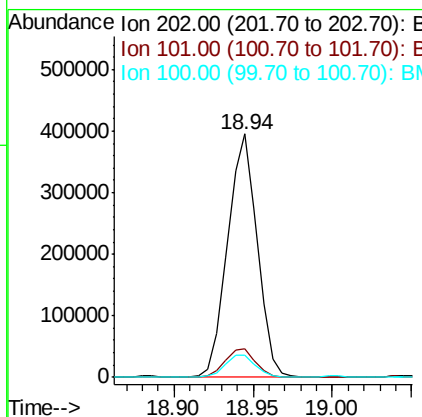
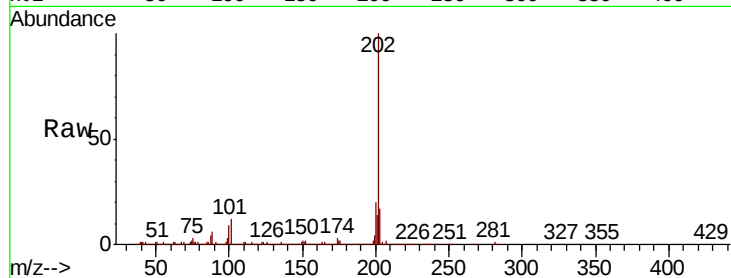




#77
Fluoranthene
 Concen: 8.284 ng/ul
 RT: 18.94 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.5	14.3
100	8.9	7.6	11.4



#80
Pyrene
 Concen: 42.996 ng/ul
 RT: 19.31 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: BM026132.D
 Acq: 27 May 2020 02:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.2	18.4
100	12.2	10.2	15.4

