

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052620\
 Data File : BM026131.D
 Acq On : 27 May 2020 02:09
 Operator : MA/SJ
 Sample : L2756-05MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETKW8MS

Quant Time: May 27 03:25:23 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	170423	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	700496	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.13	164	437064	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	915312	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	930761	20.00	ng/ul	-0.01
86) Perylene-d12	23.19	264	954680	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	26350	4.66	ng/uL	0.00
5) Phenol-d5	6.69	99	121012	7.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.84	67	318922	29.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	311014	25.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	214387	18.40	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	226648	39.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	210187	37.20	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	362331	31.95	ng/ul	0.02
29) 4-Chloroaniline-d4	10.45	131	20553	1.79	ng/ul	0.05
44) Dimethylphthalate-d6	13.56	166	1180153	33.67	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	1413331	34.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	50581	8.15	ng/ul	0.00
58) Fluorene-d10	15.13	176	1032517	33.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	187291	35.09	ng/ul	0.00
71) Anthracene-d10	16.98	188	1573425	34.88	ng/ul	0.00
79) Pyrene-d10	19.28	212	1731949	36.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	1541354	30.33	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.65	77	206162	20.492	ng/ul#	1
6) Phenol	6.71	94	158928	9.170	ng/ul#	95
10) 2-Chlorophenol	7.06	128	325080	24.647	ng/ul	93
11) 2-Methylphenol	7.95	108	227264	19.032	ng/ul	93
14) Acetophenone	8.30	105	297861	15.238	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.30	70	344205	29.883	ng/ul	91
16) 4-Methylphenol	8.27	108	219886	16.932	ng/ul	88
17) Hexachloroethane	8.52	117	55304	9.774	ng/ul#	10
20) Nitrobenzene	8.67	77	21042	1.200	ng/ul#	1
21) Isophorone	9.23	82	6242225	213.979	ng/ul	98
24) 2,4-Dimethylphenol	9.48	107	62191	3.965	ng/ul	99
30) 4-Chloroaniline	10.39	127	17571705	1462.220	ng/ul#	18
33) 4-Chloro-3-methylphenol	11.56	107	416095	30.541	ng/ul	88
34) 2-Methylnaphthalene	11.95	142	12931794	448.904	ng/ul	100
35) 1-Methylnaphthalene	12.16	142	8569710	320.643	ng/ul	99
41) 1,1'-Biphenyl	12.96	154	2455108	63.305	ng/ul	99
45) Dimethylphthalate	13.60	163	252040	6.849	ng/ul	99
48) Acenaphthylene	13.86	152	6606225	144.912	ng/ul	98
50) Acenaphthene	14.20	153	1567584	48.758	ng/ul	99
53) 4-Nitrophenol	14.37	109	43786	7.928	ng/ul	97
54) Dibenzofuran	14.53	168	139949	3.097	ng/ul	98
55) 2,4-Dinitrotoluene	14.52	165	360616	36.038	ng/ul#	85
59) Fluorene	15.19	166	1990280	54.455	ng/ul	99

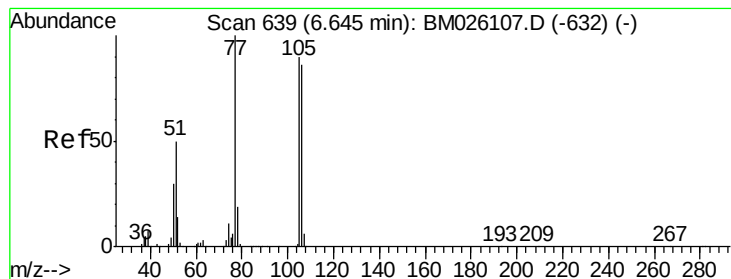
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052620\
Data File : BM026131.D
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 26 11:15:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	16.54	266	271846	41.186	ng/ul	98
70) Phenanthrene	16.93	178	4728502	82.012	ng/ul	99
72) Anthracene	17.02	178	697156	12.052	ng/ul	99
75) Carbazole	17.29	167	141204	2.951	ng/ul	99
77) Fluoranthene	18.94	202	536590	8.872	ng/ul	99
80) Pyrene	19.31	202	2974106	45.516	ng/ul	98

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



#4

Benzaldehyde

Concen: 20.492 ng/ul

RT: 6.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleID :

ETKW8MS

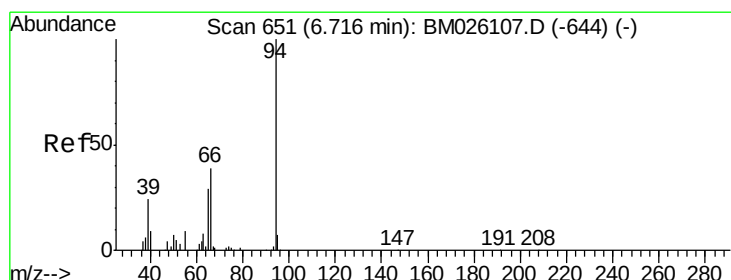
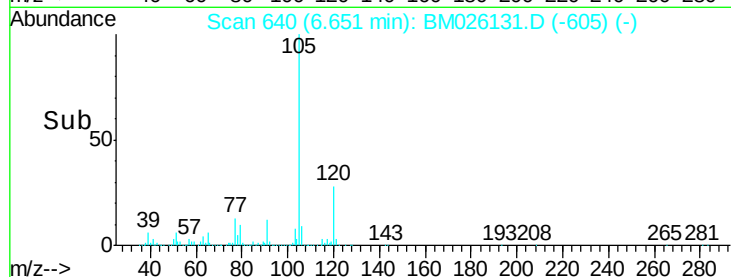
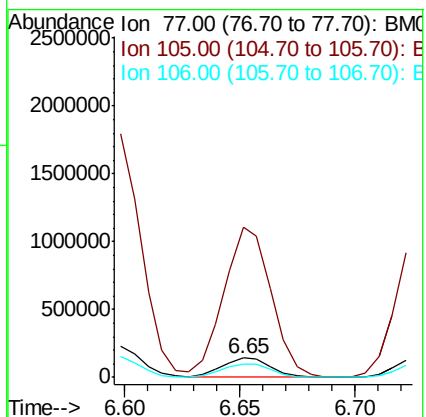
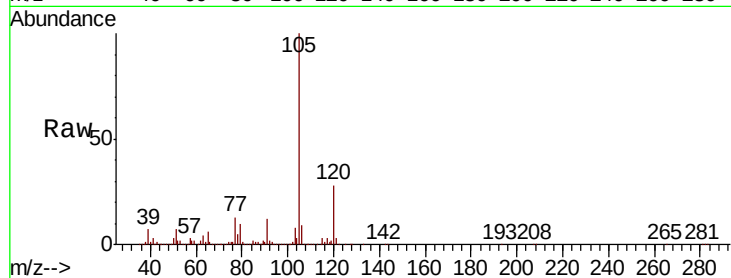
Tot Ion: 77 Resp: 206162

Ion Ratio Lower Upper

77 100

105 778.1 68.6 102.8#

106 71.3 63.4 95.0



#6

Phenol

Concen: 9.170 ng/ul

RT: 6.71 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

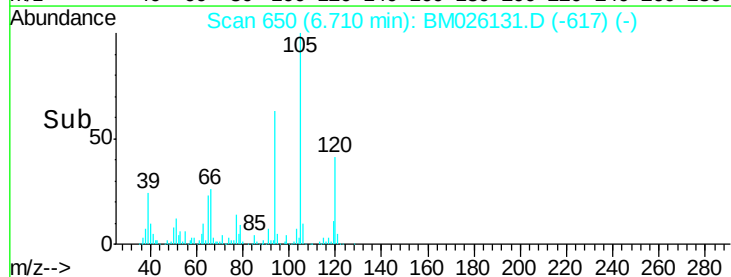
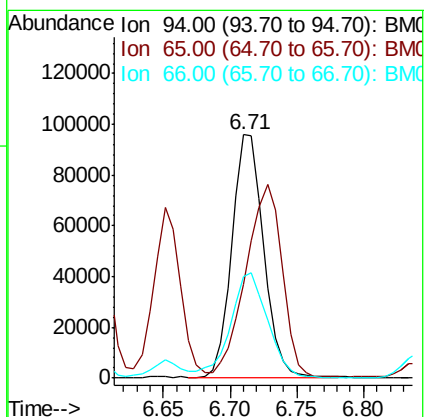
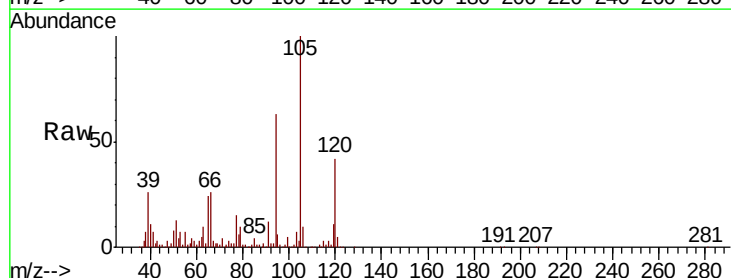
Tgt Ion: 94 Resp: 158928

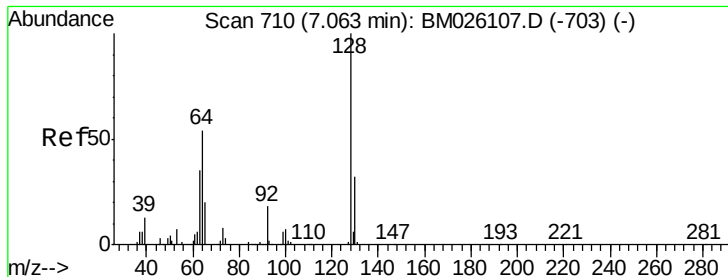
Ion Ratio Lower Upper

94 100

65 38.8 25.8 38.8#

66 41.9 33.3 49.9

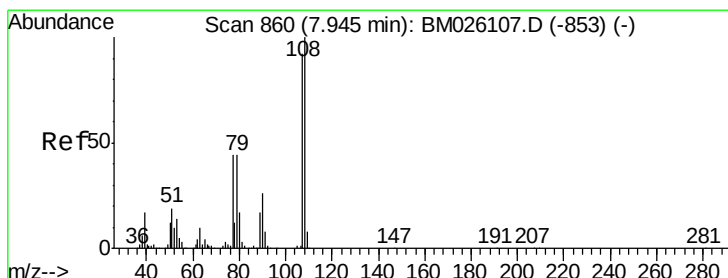
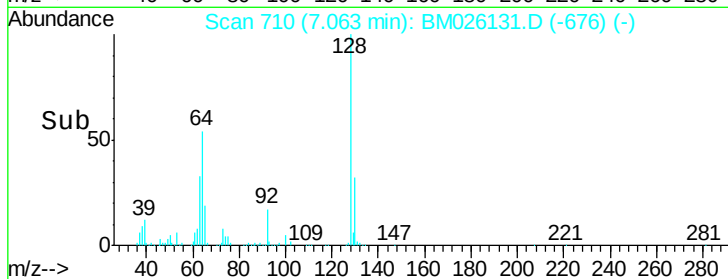
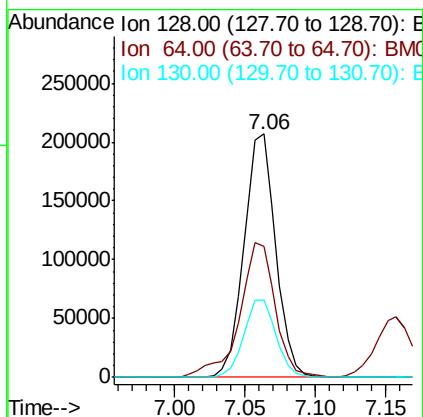
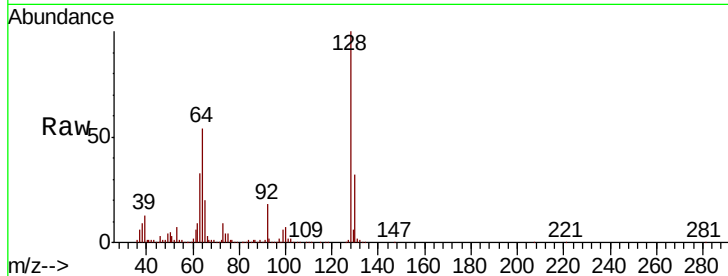




#10
2-Chlorophenol
Concen: 24.647 ng/ul
RT: 7.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

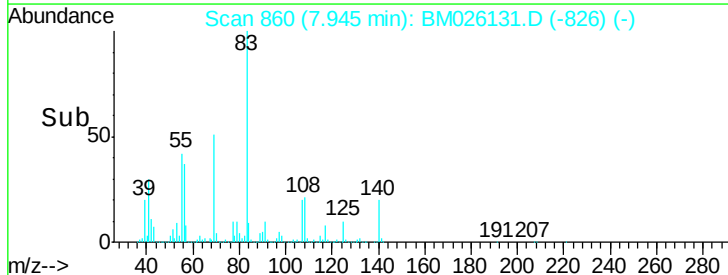
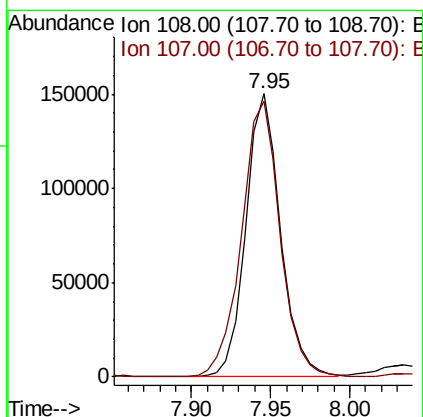
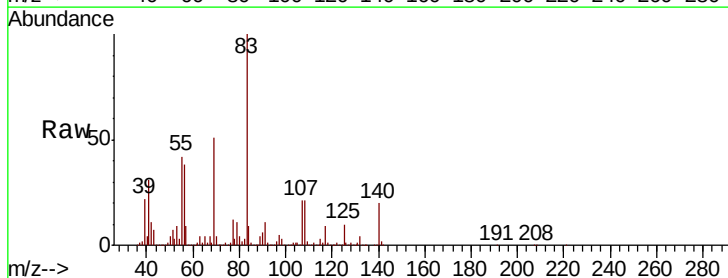
Instrument :
BNA_M
ClientSampleId :
ETKW8MS

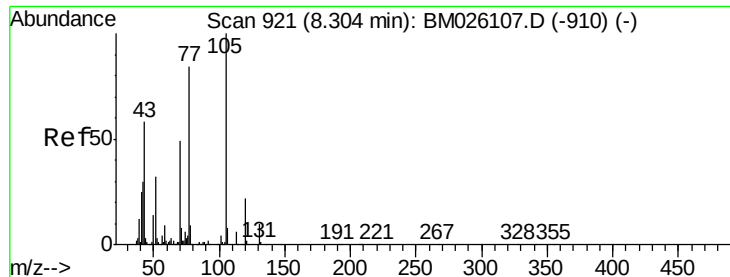
Tot Ion	Ratio	Lower	Upper
128	100		
64	54.0	49.3	73.9
130	31.6	26.6	39.8



#11
2-Methylphenol
Concen: 19.032 ng/ul
RT: 7.95 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

Tgt Ion	Ratio	Lower	Upper
108	100		
107	97.4	72.3	108.5





#14

Acetophenone

Concen: 15.238 ng/ul

RT: 8.30 min Scan# 921

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

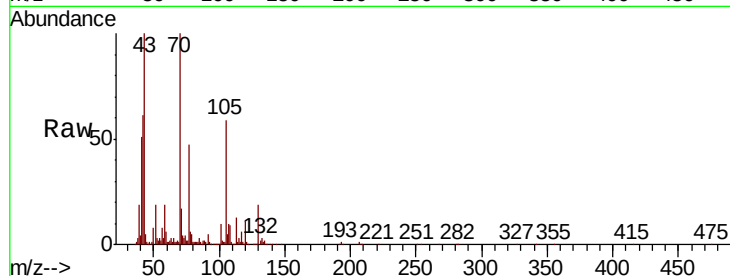
Tot Ion:105 Resp: 297861

Ion Ratio Lower Upper

105 100

77 79.2 67.2 100.8

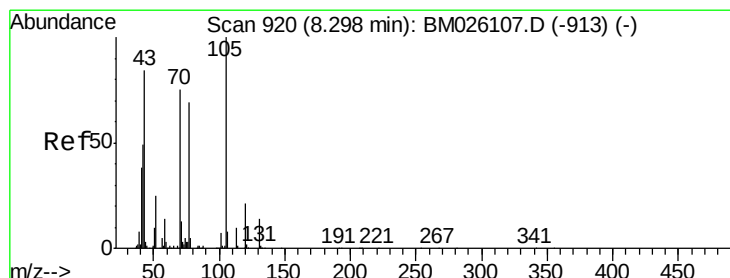
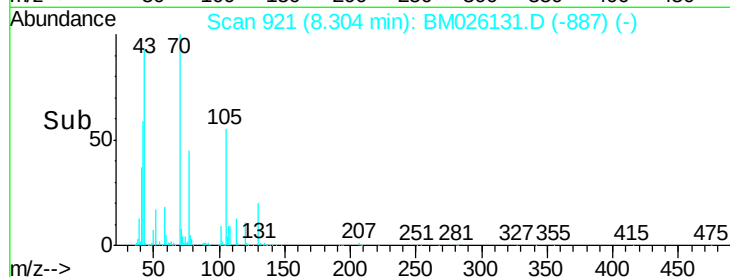
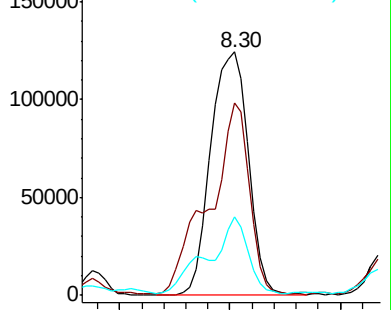
51 32.1 27.4 41.0



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: 29.883 ng/ul

RT: 8.30 min Scan# 921

Delta R.T. 0.01 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Tgt Ion: 70 Resp: 344205

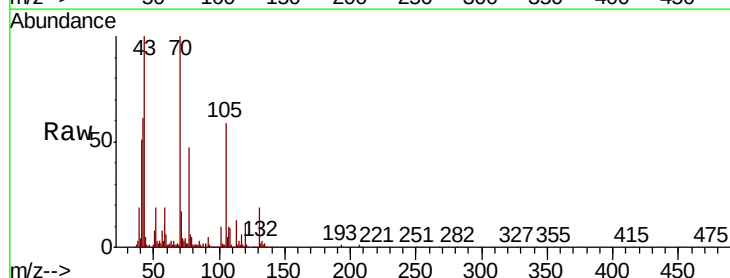
Ion Ratio Lower Upper

70 100

42 60.7 55.5 83.3

101 9.6 7.8 11.6

130 19.4 13.6 20.4

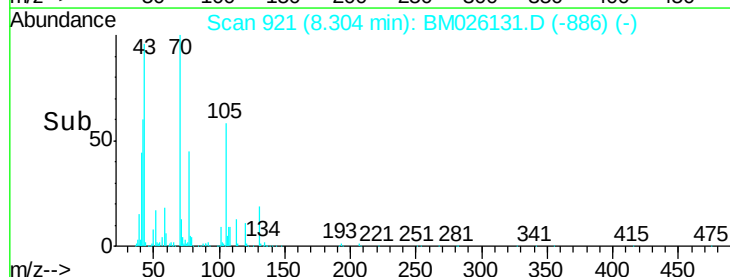
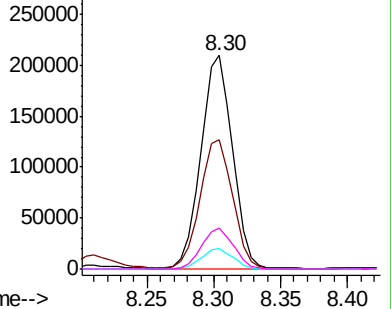


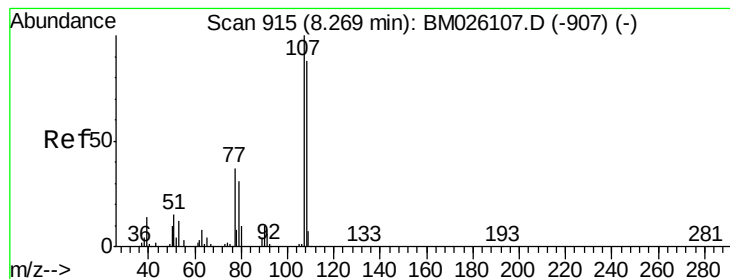
Abundance Ion 70.00 (69.70 to 70.70): BM

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: 16.932 ng/ul

RT: 8.27 min Scan# 915

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampled :

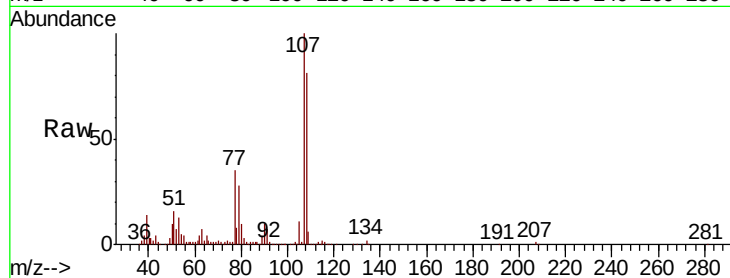
ETKW8MS

Tot Ion:108 Resp: 219886

Ion Ratio Lower Upper

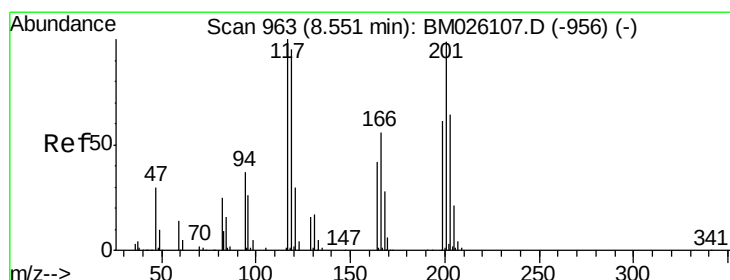
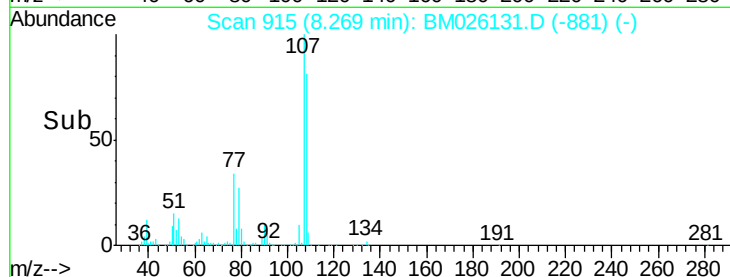
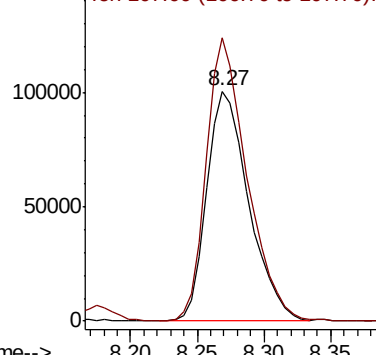
108 100

107 123.3 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: 9.774 ng/ul

RT: 8.52 min Scan# 958

Delta R.T. -0.03 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

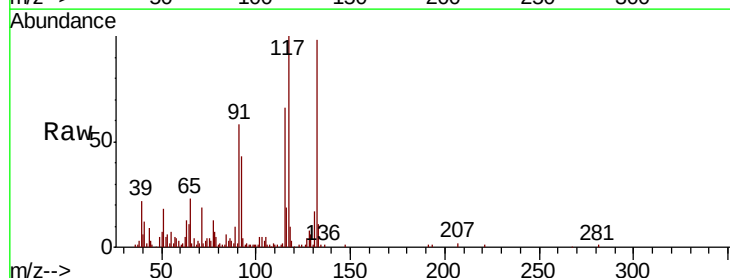
Tgt Ion:117 Resp: 55304

Ion Ratio Lower Upper

117 100

201 0.0 74.5 111.7#

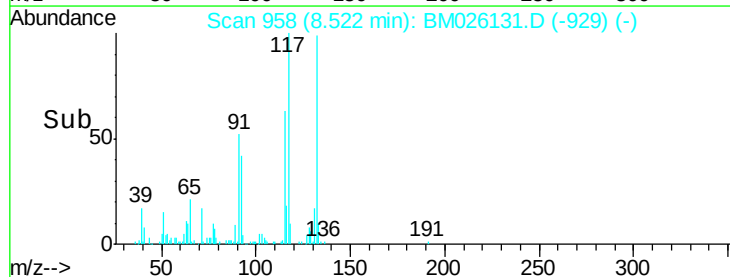
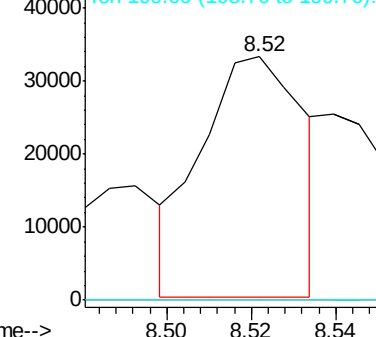
199 0.0 45.9 68.9#

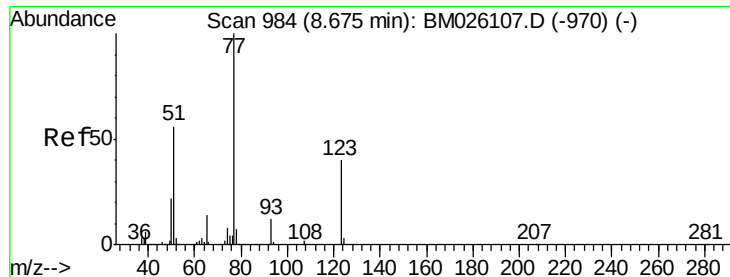


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

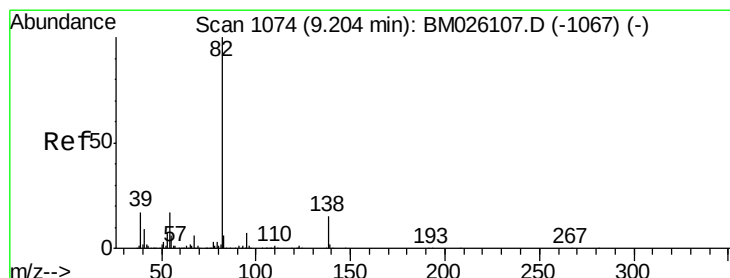
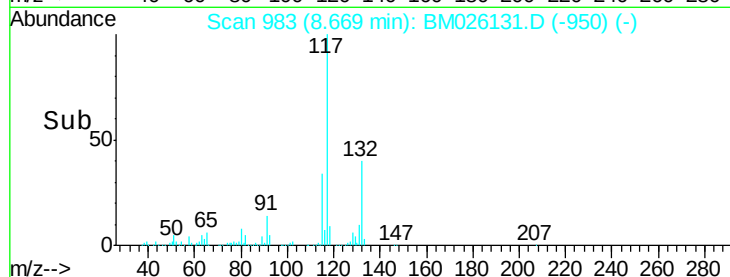
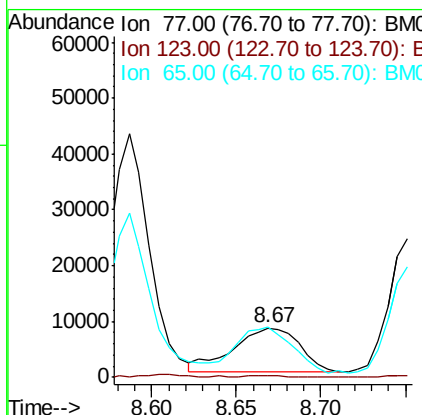
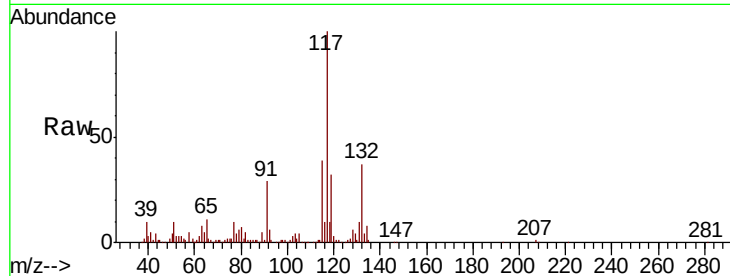




#20
Nitrobenzene
Concen: 1.200 ng/ul
RT: 8.67 min Scan# 983
Delta R.T. -0.01 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

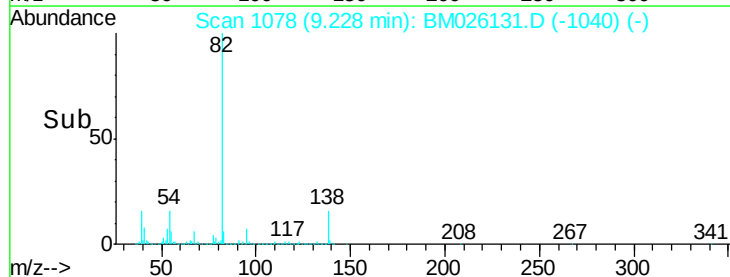
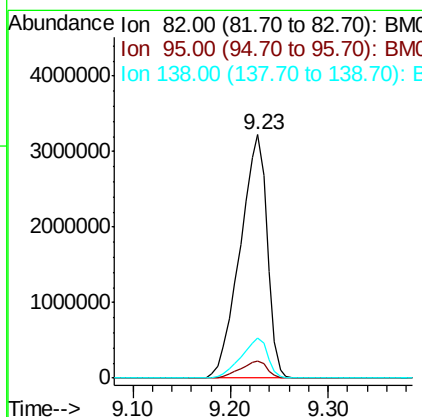
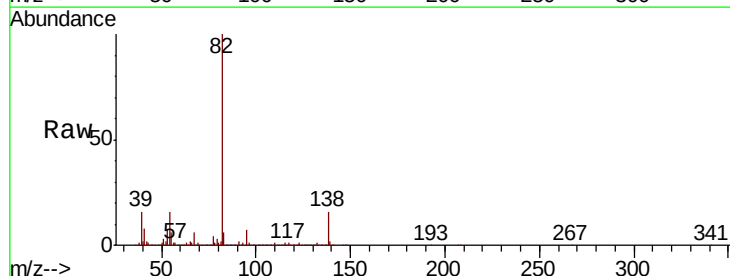
Instrument :
BNA_M
ClientSampleId :
ETKW8MS

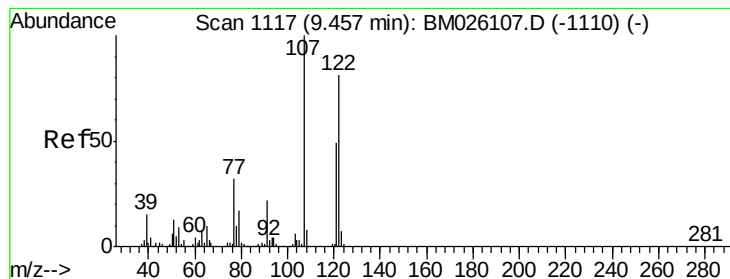
Tot Ion	Ratio	Lower	Upper
77	100		
123	3.1	29.5	44.3#
65	101.8	11.0	16.4#



#21
Isophorone
Concen: 213.979 ng/ul
RT: 9.23 min Scan# 1078
Delta R.T. 0.02 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	16.3	11.9	17.9





#24

2,4-Dimethylphenol

Concen: 3.965 ng/ul

RT: 9.48 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

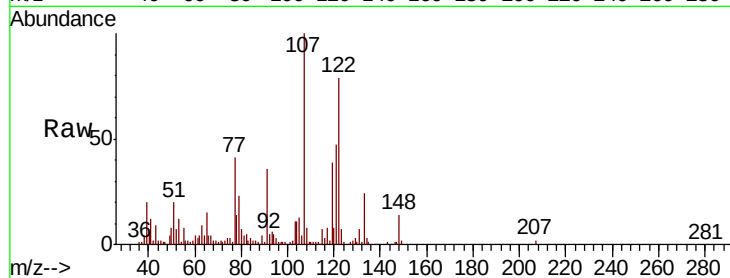
Tot Ion:107 Resp: 62191

Ion Ratio Lower Upper

107 100

121 47.2 37.5 56.3

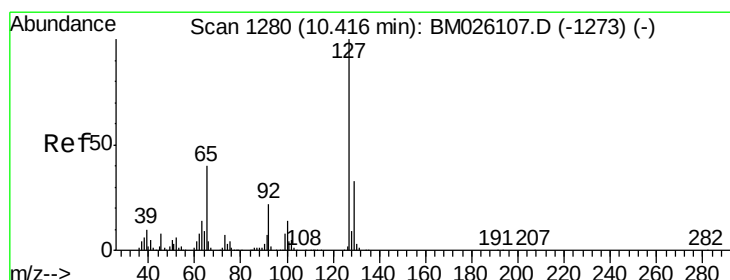
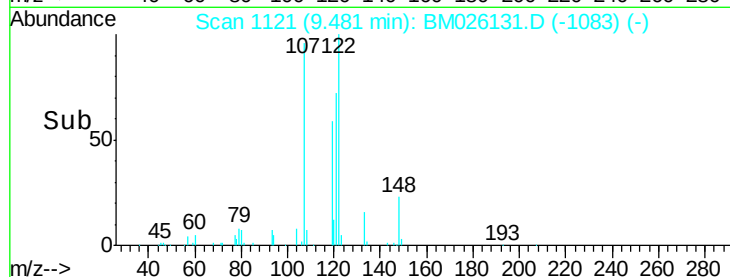
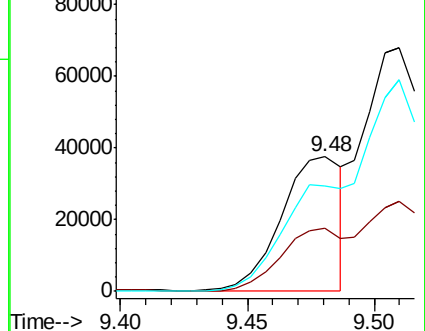
122 78.5 63.8 95.6



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: 1462.220 ng/ul

RT: 10.39 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BM026131.D

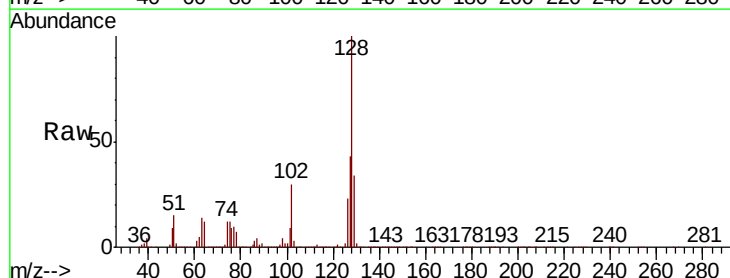
Acq: 27 May 2020 02:09

Tgt Ion:127 Resp:17571705

Ion Ratio Lower Upper

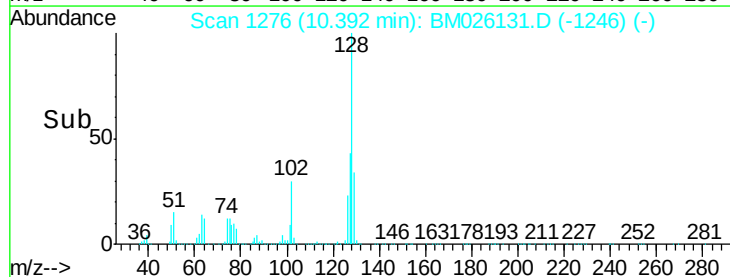
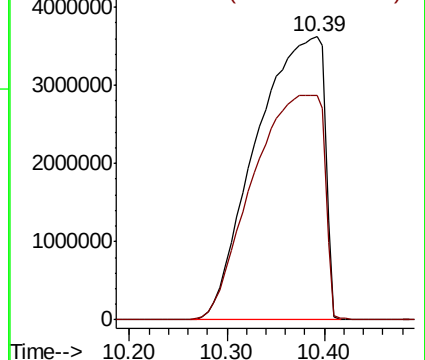
127 100

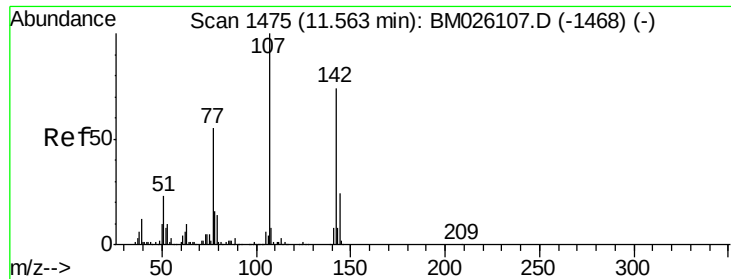
129 79.1 26.2 39.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

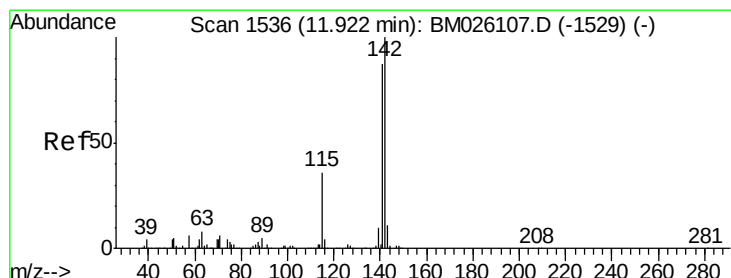
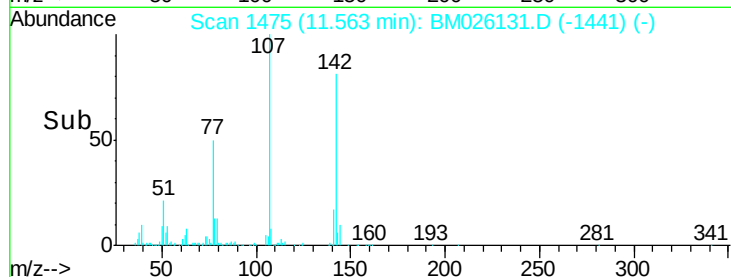
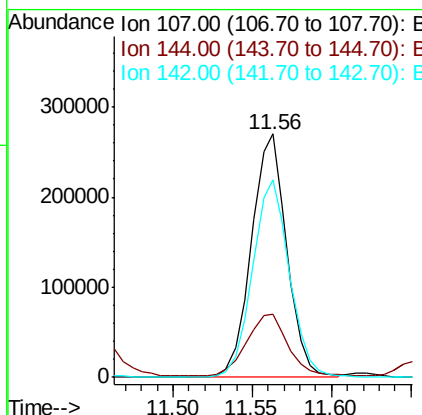
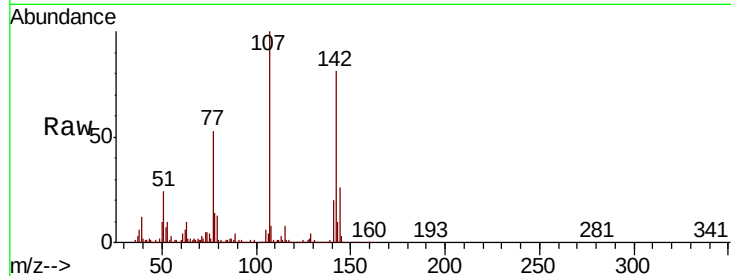




#33
 4-Chloro-3-methylphenol
 Concen: 30.541 ng/ul
 RT: 11.56 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: BM026131.D
 Acq: 27 May 2020 02:09

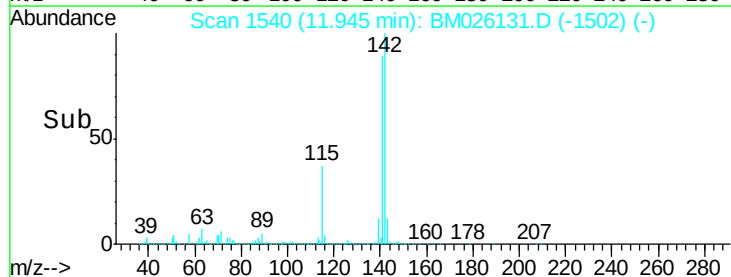
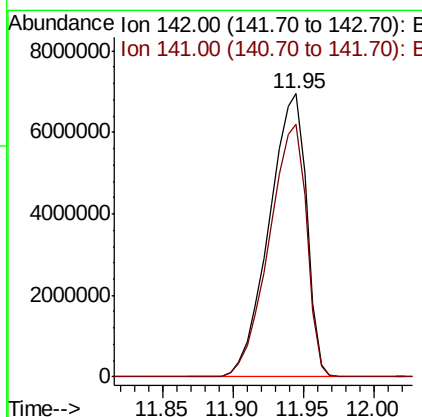
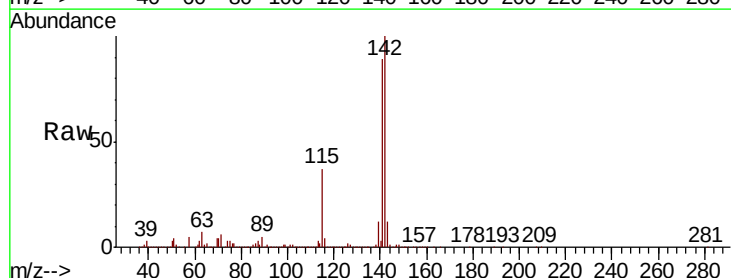
Instrument :
 BNA_M
 ClientSampleId :
 ETKW8MS

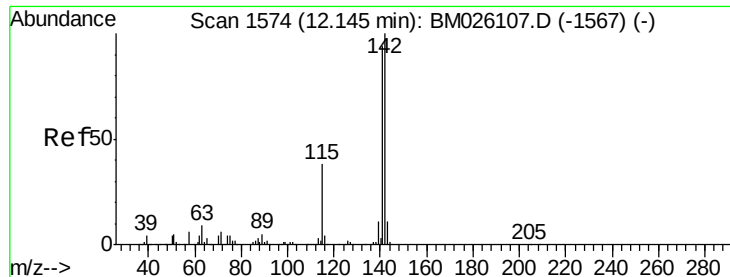
Tot Ion	Ratio	Lower	Upper
107	100		
144	25.8	18.1	27.1
142	81.3	56.0	84.0



#34
 2-Methylnaphthalene
 Concen: 448.904 ng/ul
 RT: 11.95 min Scan# 1540
 Delta R.T. 0.02 min
 Lab File: BM026131.D
 Acq: 27 May 2020 02:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.8	107.6





#35

1-Methylnaphthalene

Concen: 320.643 ng/ul

RT: 12.16 min Scan# 1577

Delta R.T. 0.02 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

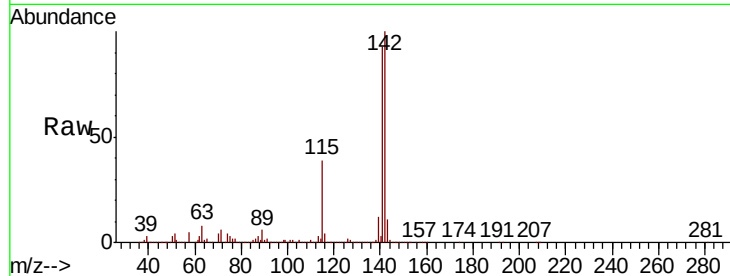
Tot Ion:142 Resp: 8569710

Ion Ratio Lower Upper

142 100

141 92.5 73.0 109.4

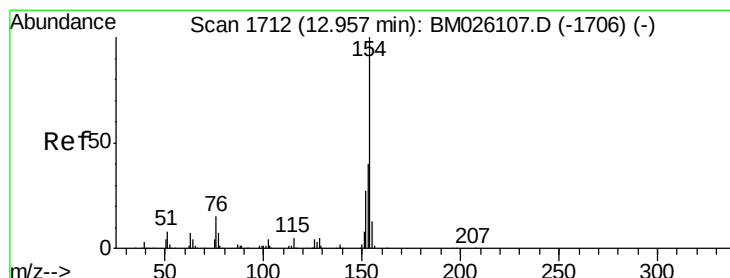
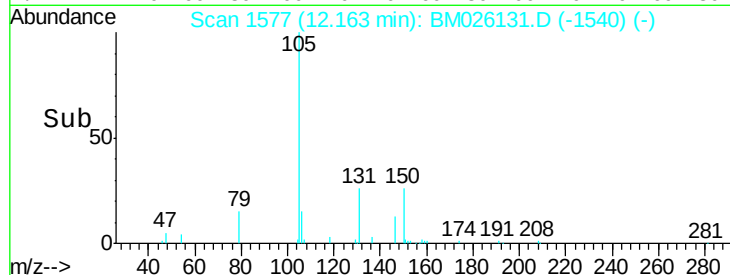
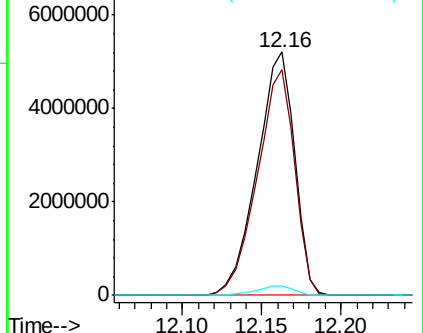
116 4.0 3.3 4.9



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: 63.305 ng/ul

RT: 12.96 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

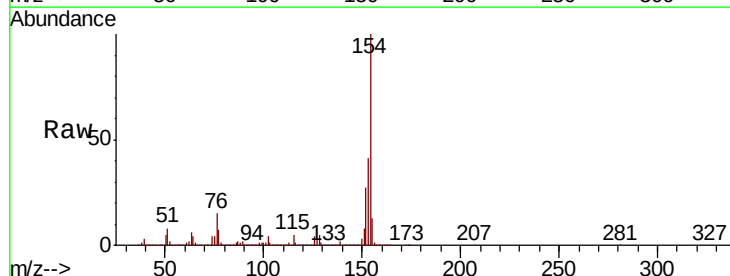
Tgt Ion:154 Resp: 2455108

Ion Ratio Lower Upper

154 100

153 40.5 32.3 48.5

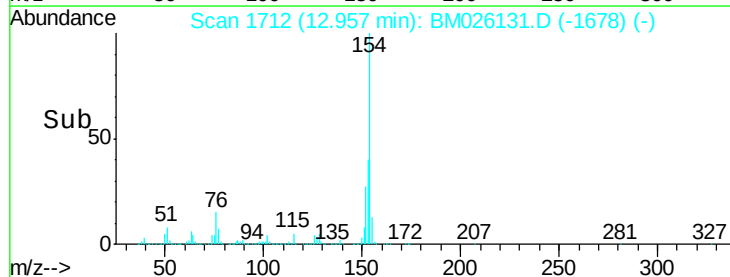
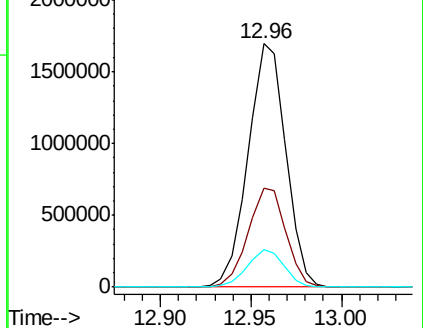
76 15.2 13.0 19.6

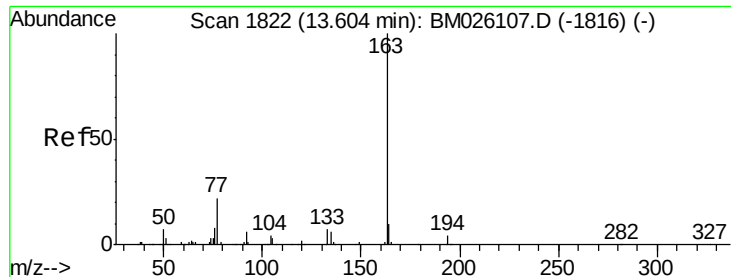


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

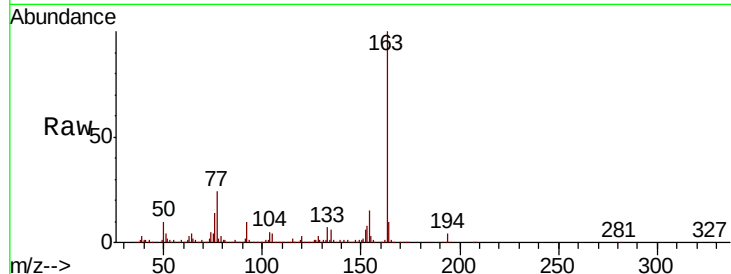




#45
Dimethylphthalate
Concen: 6.849 ng/ul
RT: 13.60 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

Instrument :
BNA_M
ClientSampleId :
ETKW8MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	10.3	8.0	12.0

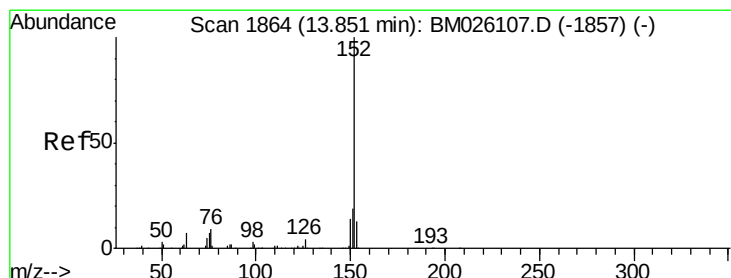
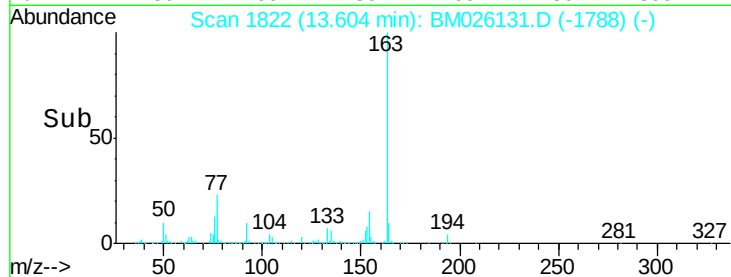
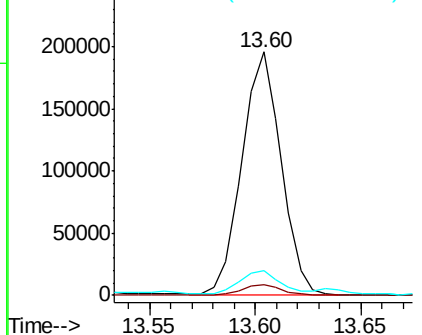


Abundance

Ion 163.00 (162.70 to 163.70): E

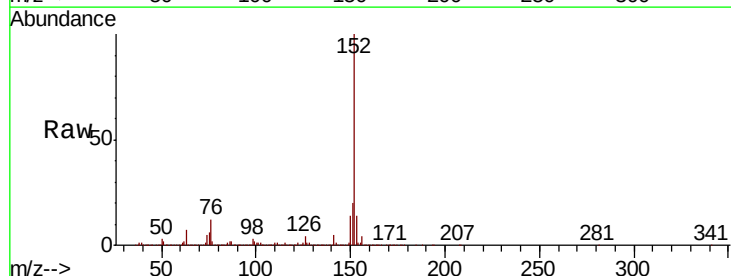
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 144.912 ng/ul
RT: 13.86 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BM026131.D
Acq: 27 May 2020 02:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.6	10.2	15.2

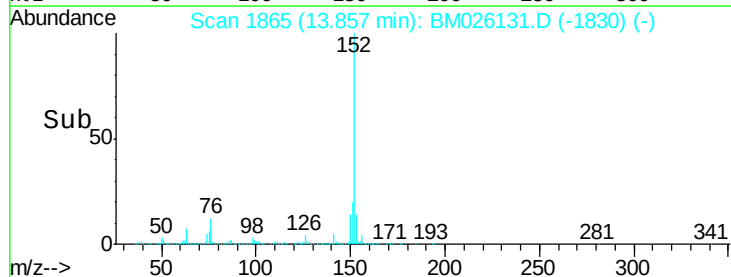
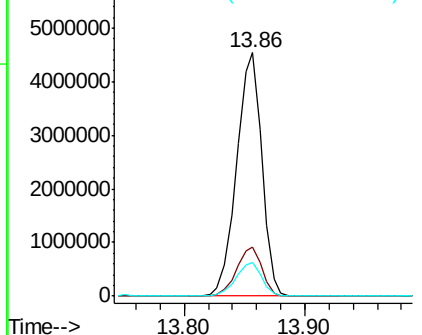


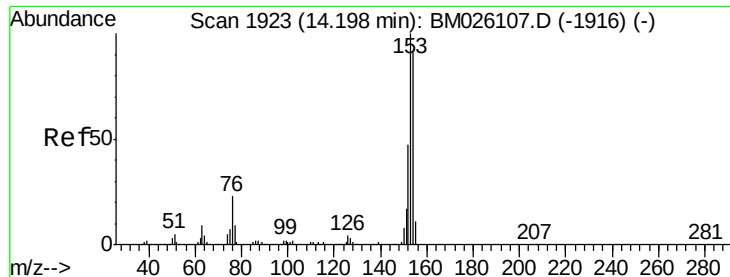
Abundance

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: 48.758 ng/ul

RT: 14.20 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

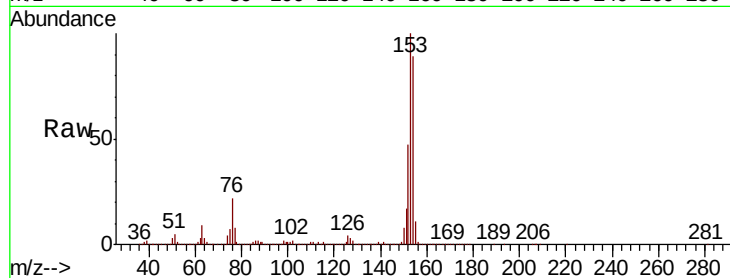
Tot Ion:153 Resp: 1567584

Ion Ratio Lower Upper

153 100

152 46.9 37.2 55.8

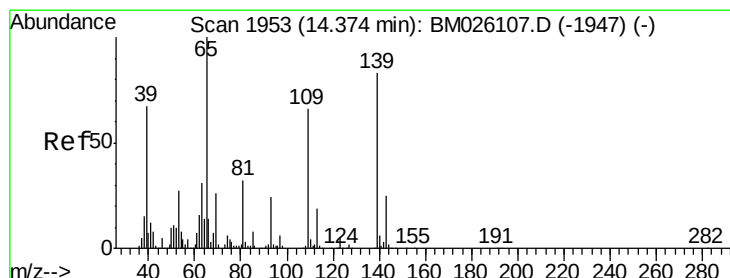
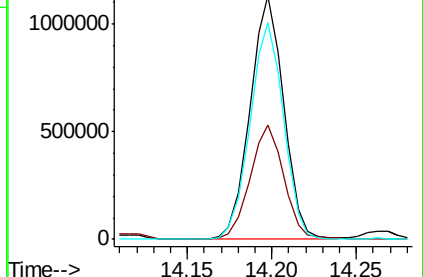
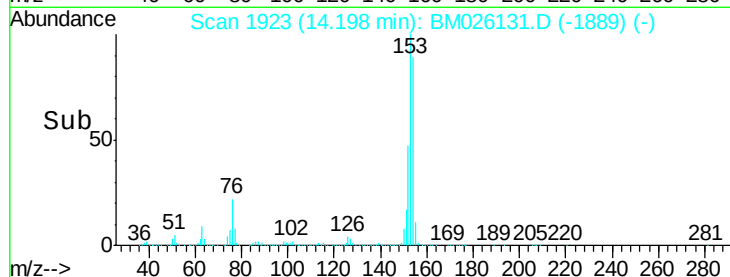
154 89.0 69.8 104.8



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



#53

4-Nitrophenol

Concen: 7.928 ng/ul

RT: 14.37 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

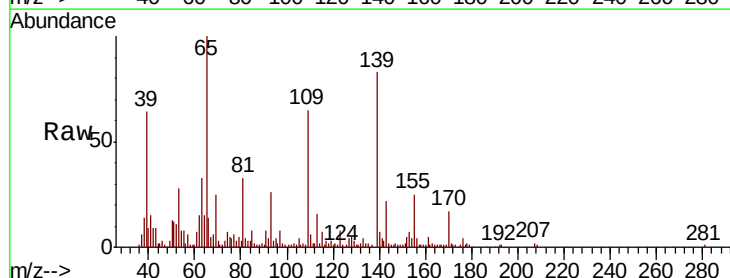
Tgt Ion:109 Resp: 43786

Ion Ratio Lower Upper

109 100

139 127.0 95.8 143.8

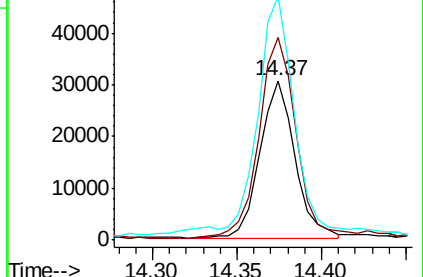
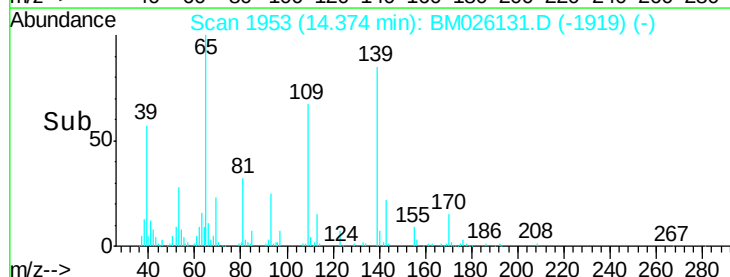
65 152.8 123.2 184.8

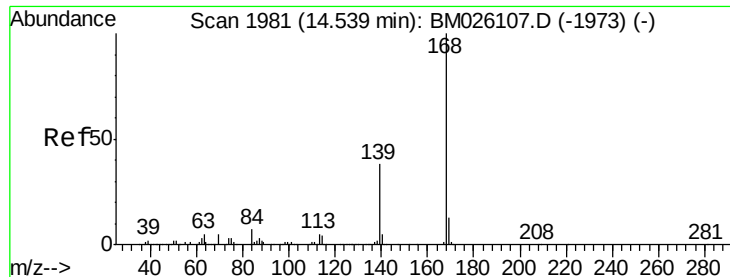


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#54

Dibenzenofuran

Concen: 3.097 ng/ul

RT: 14.53 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

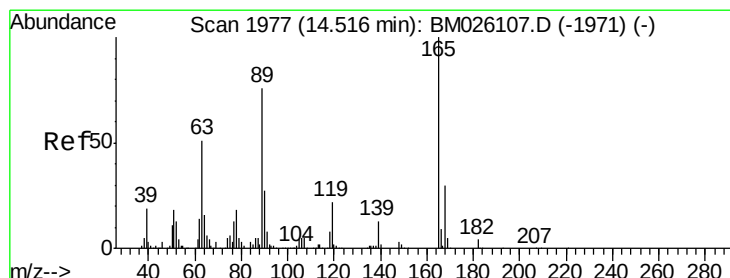
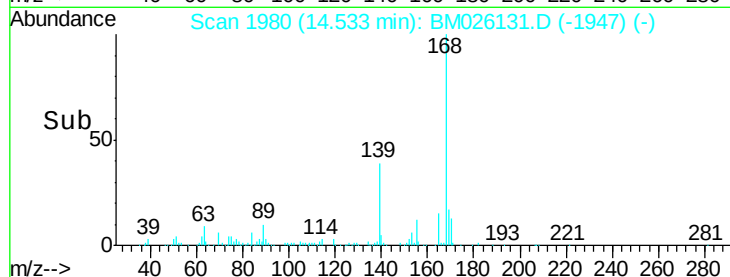
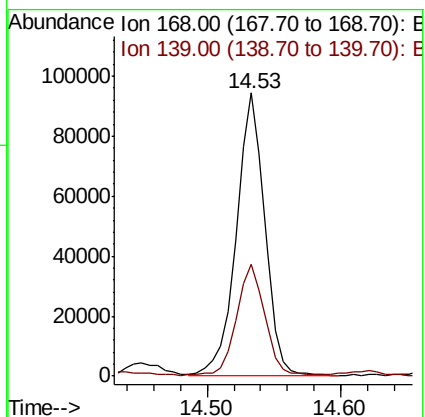
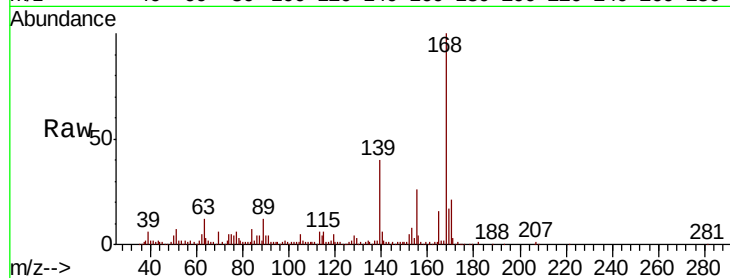
ETKW8MS

Tot Ion:168 Resp: 139949

Ion Ratio Lower Upper

168 100

139 39.7 30.7 46.1



#55

2,4-Dinitrotoluene

Concen: 36.038 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

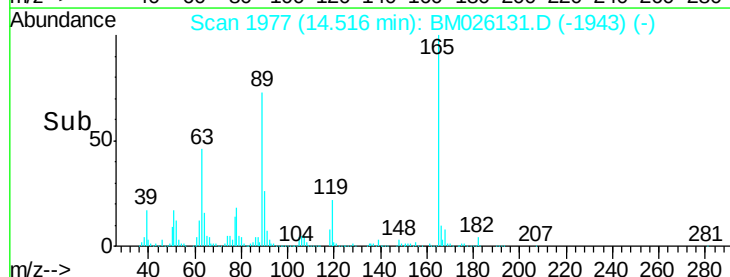
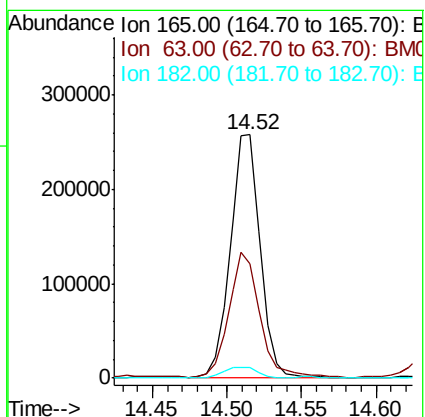
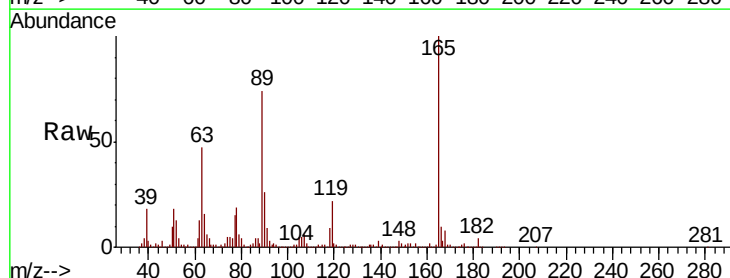
Tgt Ion:165 Resp: 360616

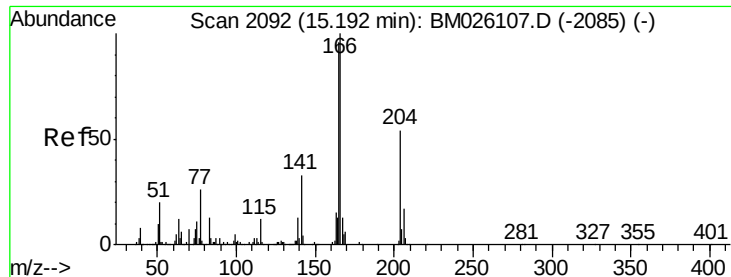
Ion Ratio Lower Upper

165 100

63 46.9 46.8 70.2

182 4.1 2.6 3.8#





#59

Fluorene

Concen: 54.455 ng/ul

RT: 15.19 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

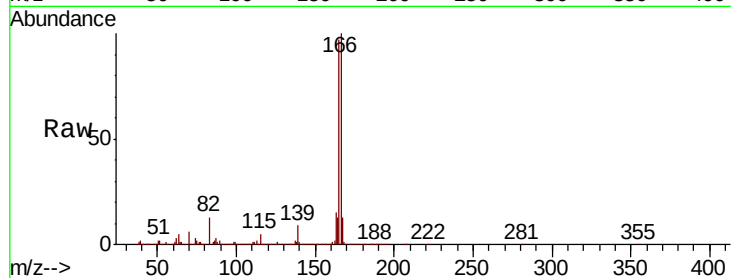
Tot Ion:166 Resp: 1990280

Ion Ratio Lower Upper

166 100

165 97.2 77.3 115.9

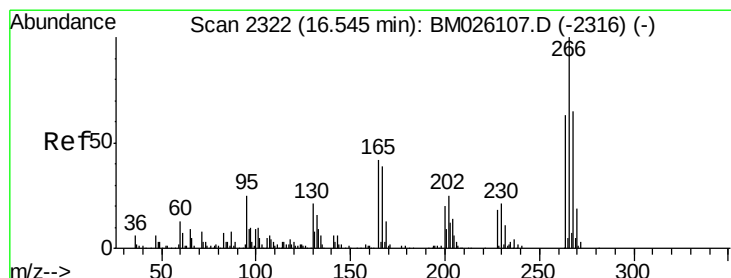
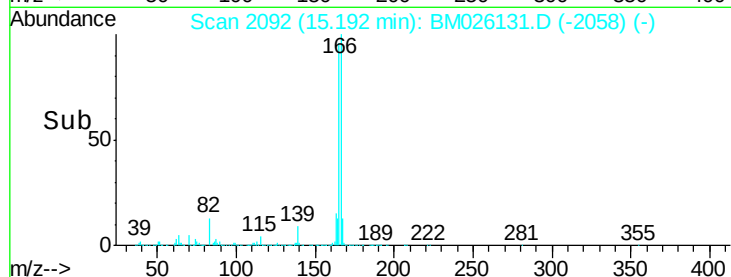
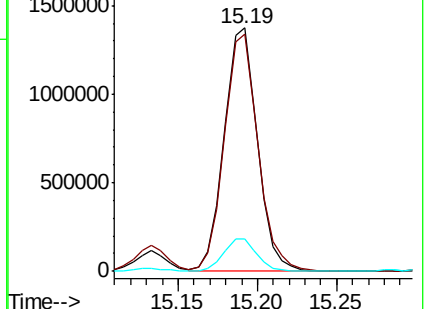
167 13.2 10.6 16.0



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

Pentachlorophenol

Concen: 41.186 ng/ul

RT: 16.54 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

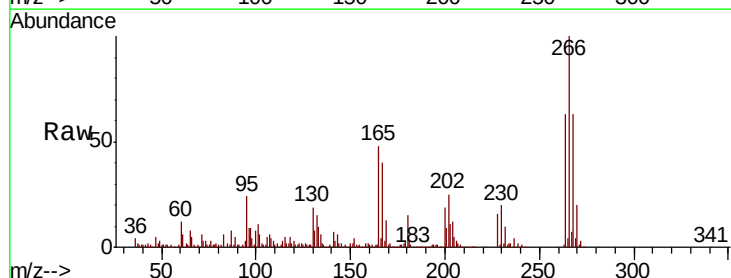
Tgt Ion:266 Resp: 271846

Ion Ratio Lower Upper

266 100

264 62.8 49.3 73.9

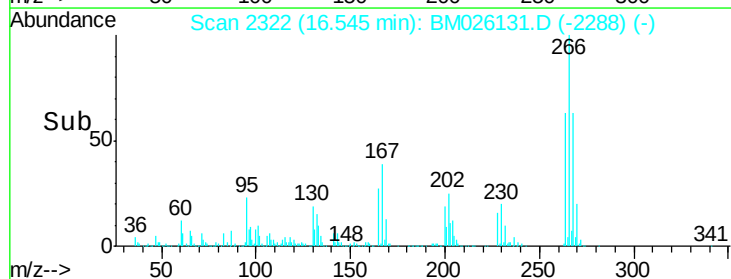
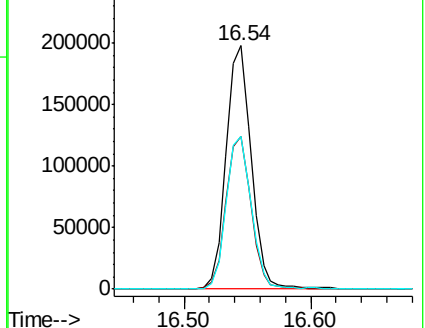
268 62.9 52.4 78.6

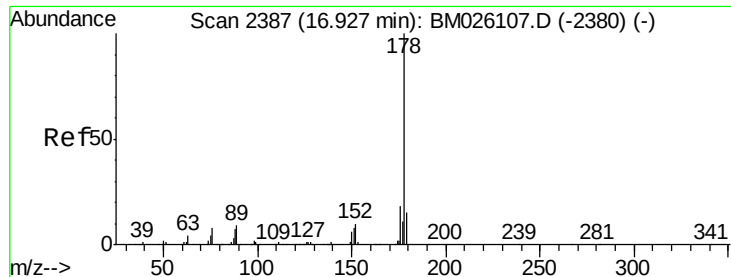


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 82.012 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

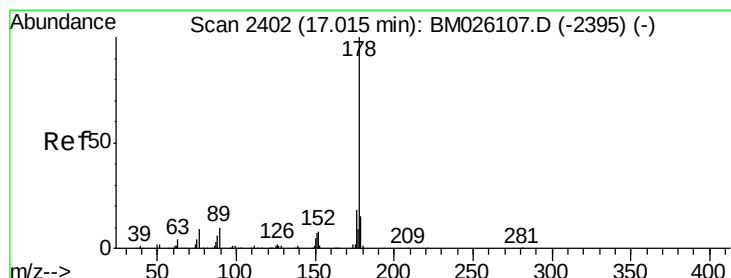
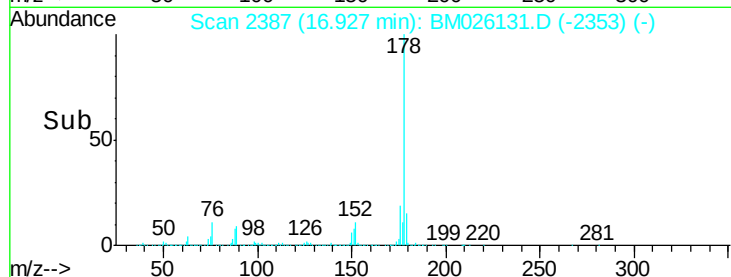
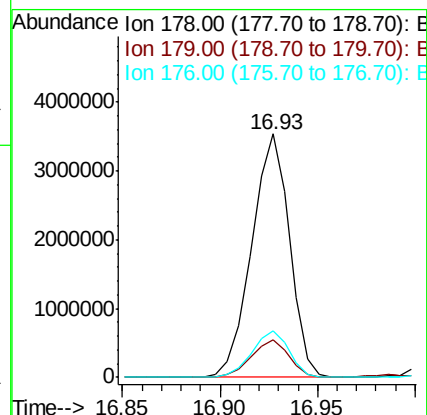
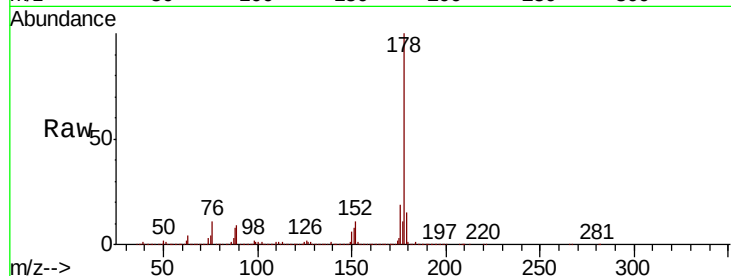
Tot Ion:178 Resp: 4728502

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9
176	19.0	14.9	22.3

178 100

179 15.2 11.9 17.9

176 19.0 14.9 22.3



#72

Anthracene

Concen: 12.052 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

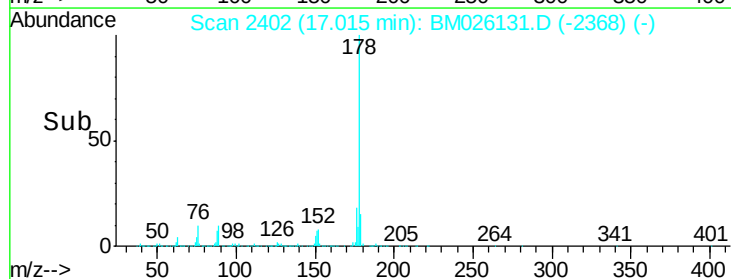
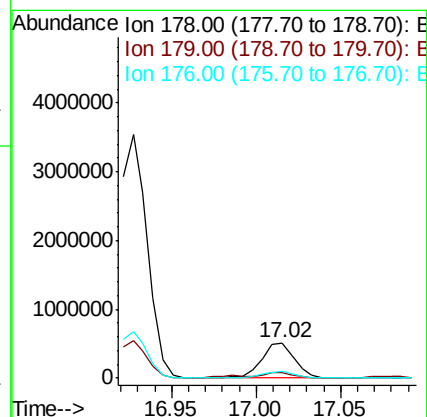
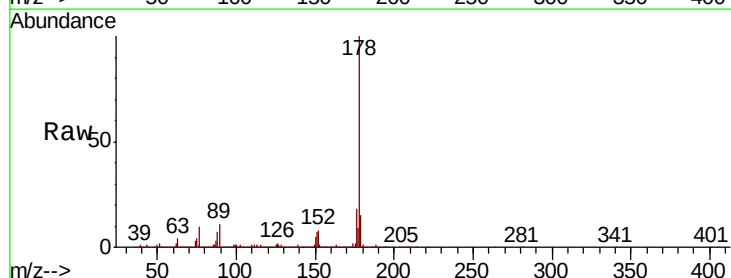
Tgt Ion:178 Resp: 697156

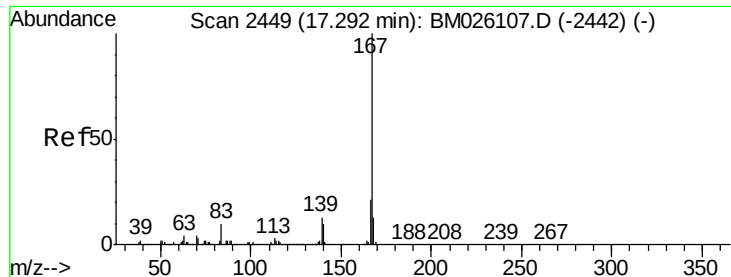
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	17.9	14.9	22.3

178 100

179 15.1 12.2 18.4

176 17.9 14.9 22.3





#75

Carbazole

Concen: 2.951 ng/ul

RT: 17.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

Instrument :

BNA_M

ClientSampleId :

ETKW8MS

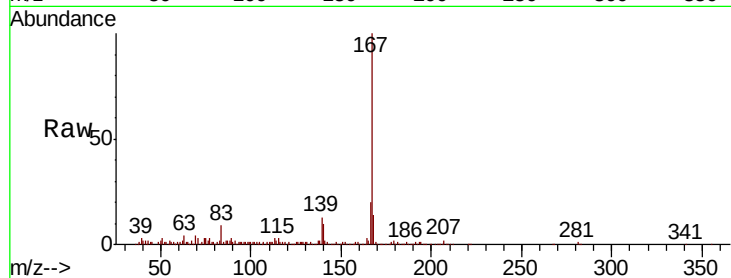
Tot Ion:167 Resp: 141204

Ion Ratio Lower Upper

167 100

166 20.5 16.6 25.0

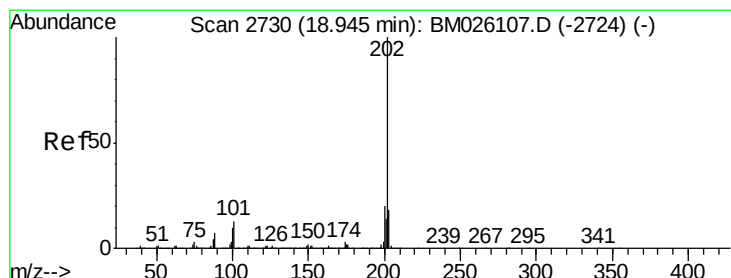
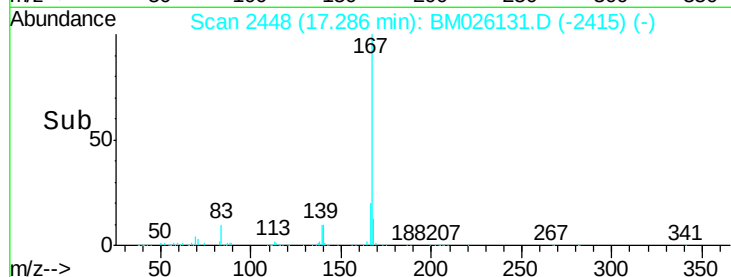
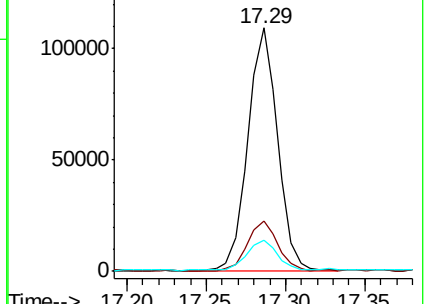
139 12.9 10.8 16.2



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: 8.872 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM026131.D

Acq: 27 May 2020 02:09

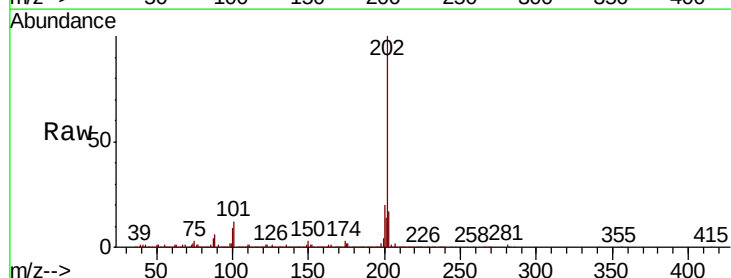
Tgt Ion:202 Resp: 536590

Ion Ratio Lower Upper

202 100

101 12.4 9.5 14.3

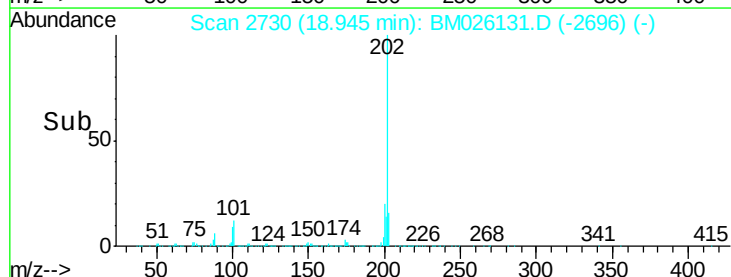
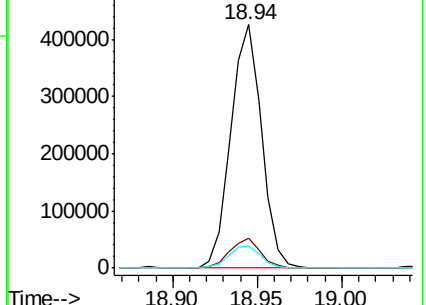
100 9.2 7.6 11.4

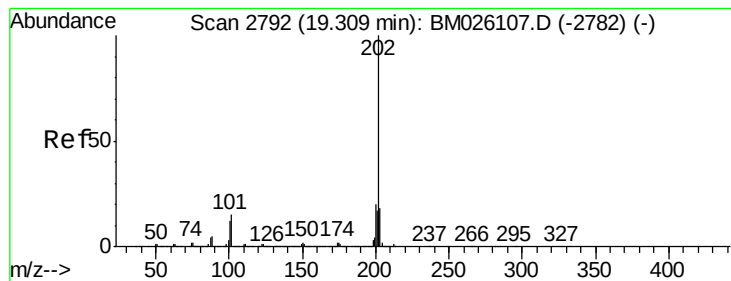


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80
 Pvrene
 Concen: 45.516 ng/ul
 RT: 19.31 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: BM026131.D
 Acq: 27 May 2020 02:09

Instrument :
 BNA_M
 ClientSampleId :
 ETKW8MS

Tot Ion:202 Resp: 2974106

Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.2	18.4
100	12.1	10.2	15.4

