

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
 Data File : BM026368.D
 Acq On : 12 Jun 2020 01:49
 Operator : JU/CG
 Sample : L2965-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OFFICE-SLAB-2

Quant Time: Jun 12 04:01:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 14:46:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	129814	20.00	ng	0.00
21) Naphthalene-d8	10.18	136	520023	20.00	ng	0.00
39) Acenaphthene-d10	14.07	164	295076	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	576969	20.00	ng	0.00
76) Chrysene-d12	21.04	240	597693	20.00	ng	0.00
86) Perylene-d12	23.18	264	677022	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	496032	67.56	ng	0.00
7) Phenol-d6	6.63	99	814059	76.57	ng	0.00
23) Nitrobenzene-d5	8.57	82	567363	53.57	ng	0.00
42) 2,4,6-Tribromophenol	15.58	330	195986	54.83	ng	0.00
45) 2-Fluorobiphenyl	12.69	172	1185517	60.99	ng	0.00
79) Terphenyl-d14	19.49	244	1661117	53.95	ng	0.00

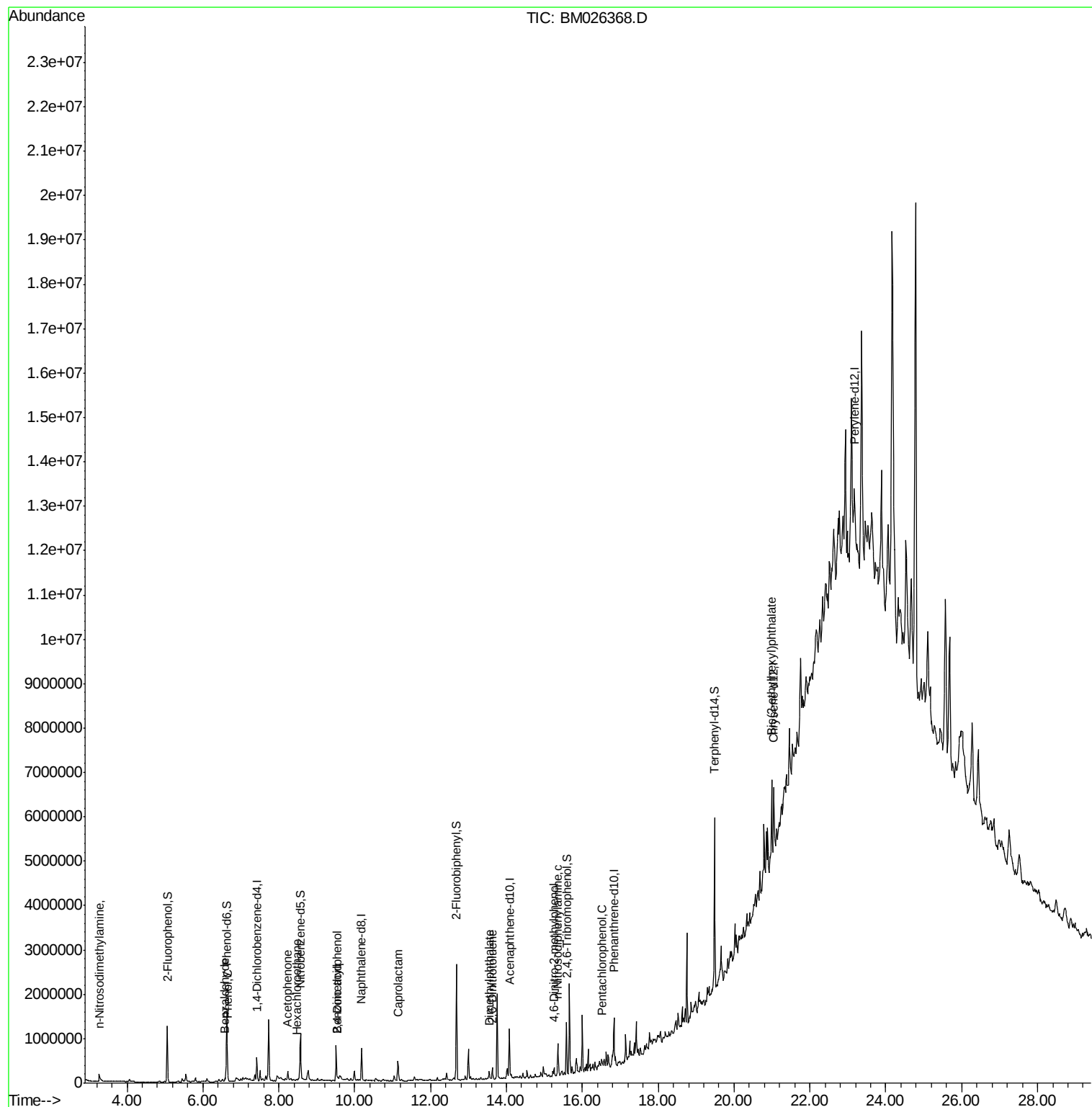
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.28	42	12731	2.645	ng	# 1
9) Benzaldehyde	6.58	77	31452	4.639	ng	91
10) Phenol	6.65	94	54669	4.828	ng	93
18) Hexachloroethane	8.46	117	9201	2.544	ng	# 7
22) Acetophenone	8.24	105	108786	8.136	ng	# 95
27) 2,4-Dimethylphenol	9.55	122	39270	5.669	ng	# 3
32) Benzoic acid	9.55	122	39270	11.455	ng	98
35) Caprolactam	11.14	113	83009	31.088	ng	95
50) Dimethylphthalate	13.55	163	97952	4.538	ng	100
51) 2,6-Dinitrotoluene	13.63	165	32756	6.916	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.26	198	7782	2.218	ng	# 18
66) n-Nitrosodiphenylamine	15.36	169	232215	13.893	ng	98
70) Pentachlorophenol	16.50	266	15108	3.785	ng	98
84) Bis(2-ethylhexyl)phthalate	20.99	149	588747	25.855	ng	# 96

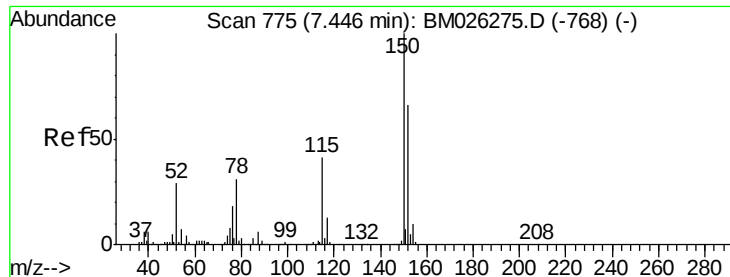
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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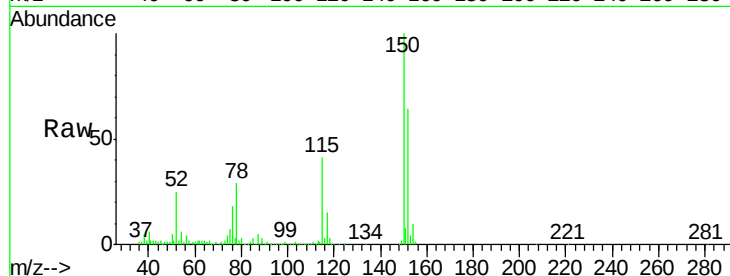


#1

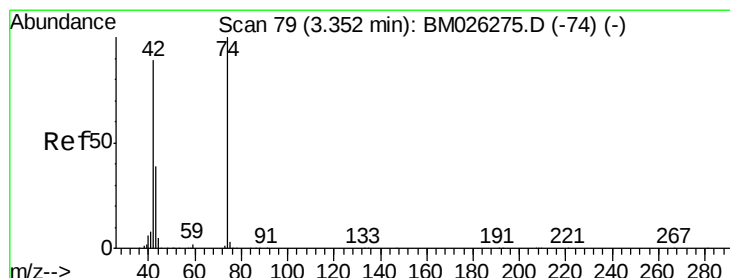
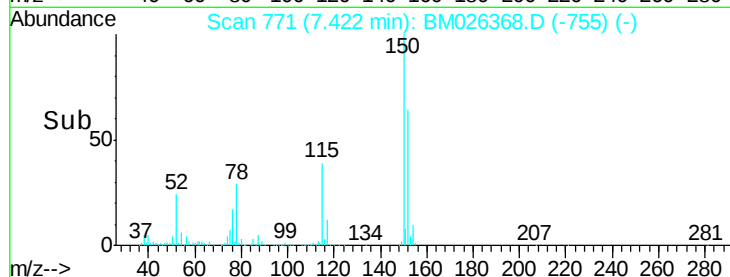
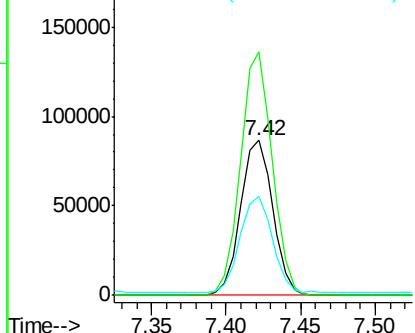
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM026368.D
Acq: 12 Jun 2020 01:49

Instrument :
BNA_M
ClientSampled :
OFFICE-SLAB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.1	183.1
115	64.2	49.7	74.5



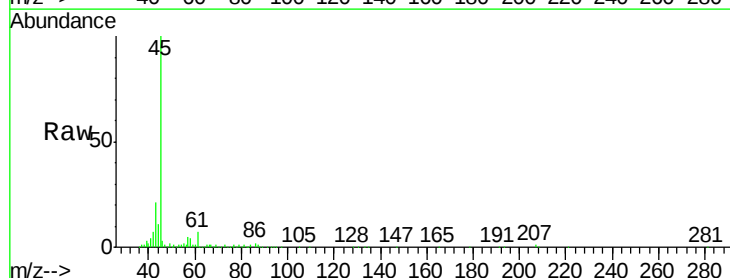
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



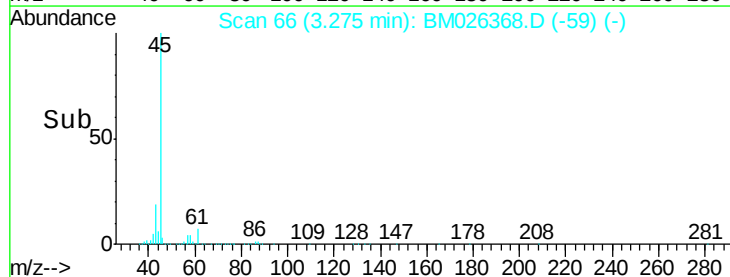
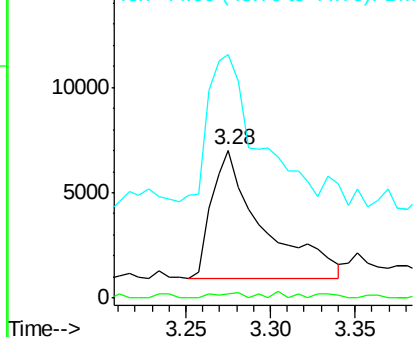
#4

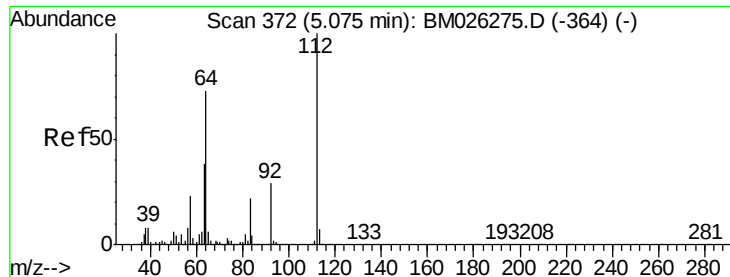
n-Nitrosodimethylamine
Concen: 2.645 ng
RT: 3.28 min Scan# 66
Delta R.T. -0.06 min
Lab File: BM026368.D
Acq: 12 Jun 2020 01:49

Tgt Ion	Ratio	Lower	Upper
42	100		
74	3.2	89.9	134.9#
44	164.8	5.2	7.8#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 67.558 ng

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

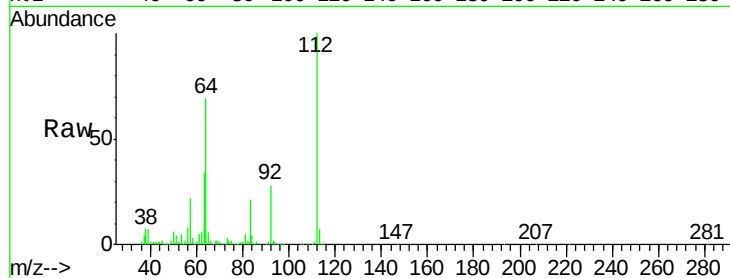
Tot Ion:112 Resp: 496032

Ion Ratio Lower Upper

112 100

64 69.1 58.1 87.1

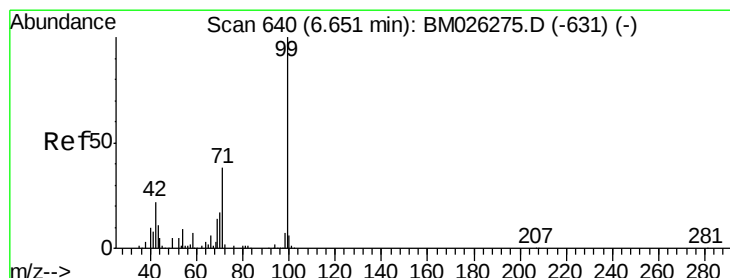
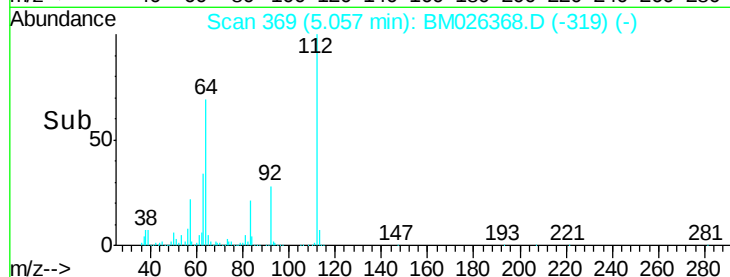
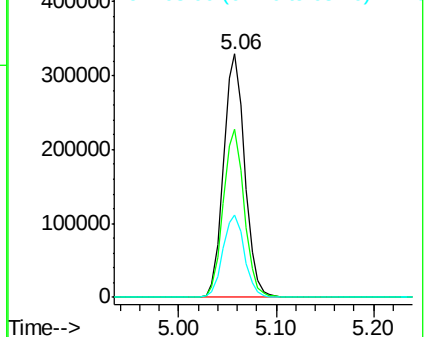
63 33.9 30.6 45.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 76.567 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

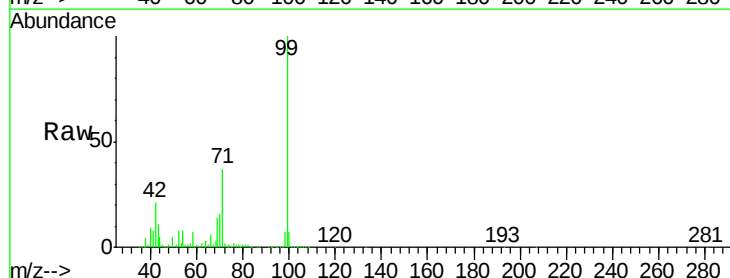
Tgt Ion: 99 Resp: 814059

Ion Ratio Lower Upper

99 100

42 21.0 18.0 27.0

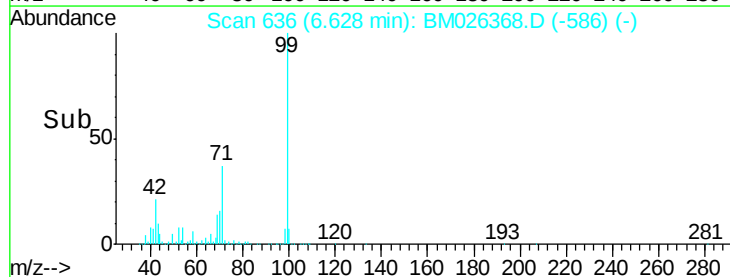
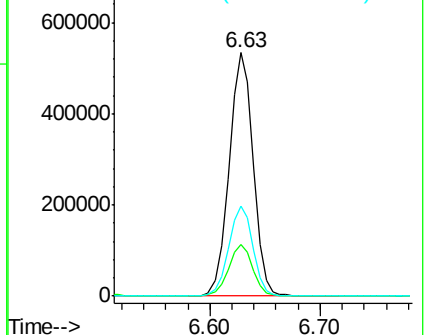
71 36.9 30.6 45.8

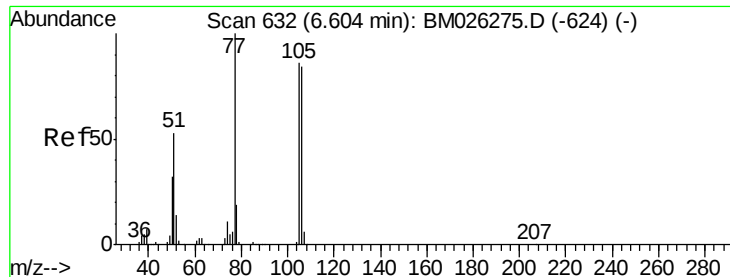


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#9

Benzaldehyde

Concen: 4.639 ng

RT: 6.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

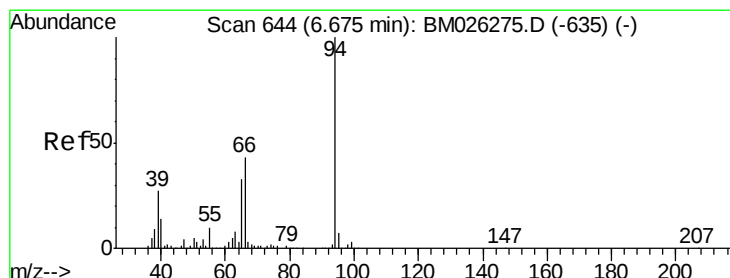
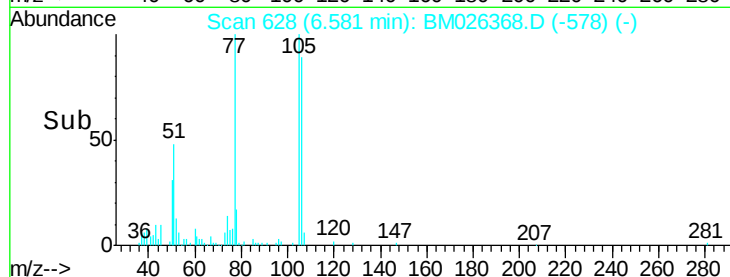
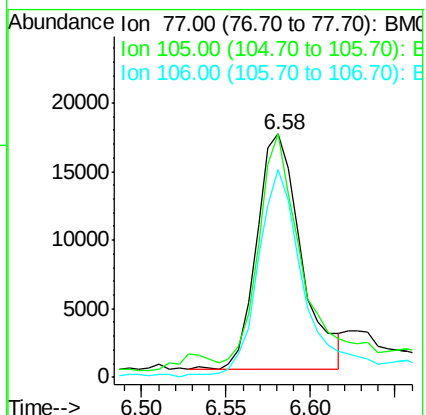
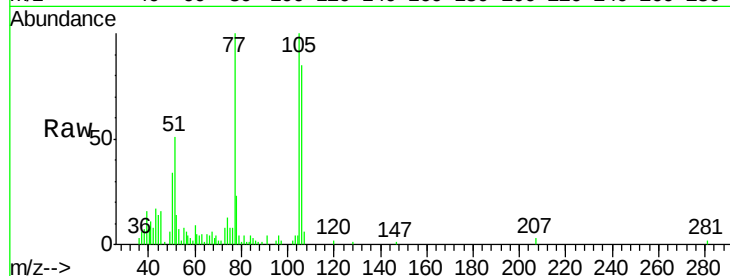
Tot Ion: 77 Resp: 31452

Ion Ratio Lower Upper

77 100

105 100.1 66.3 106.3

106 85.5 63.8 103.8



#10

Phenol

Concen: 4.828 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

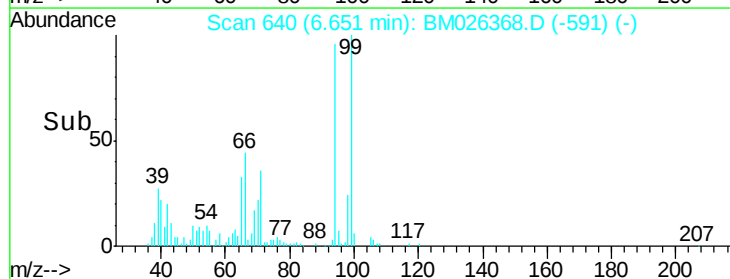
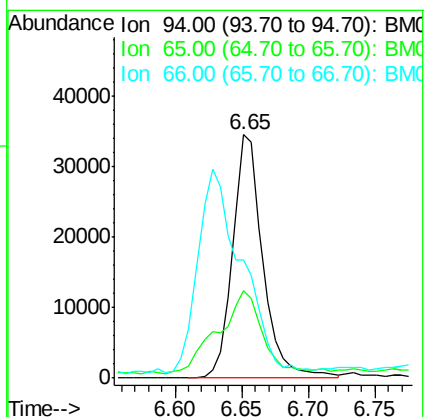
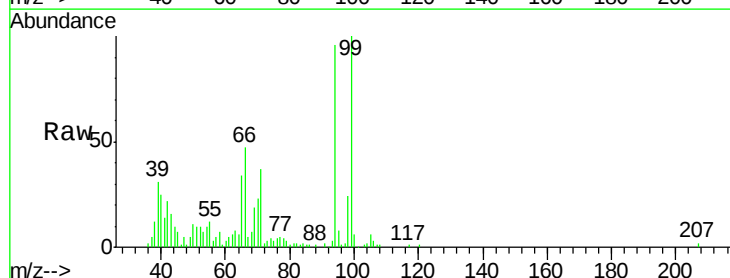
Tgt Ion: 94 Resp: 54669

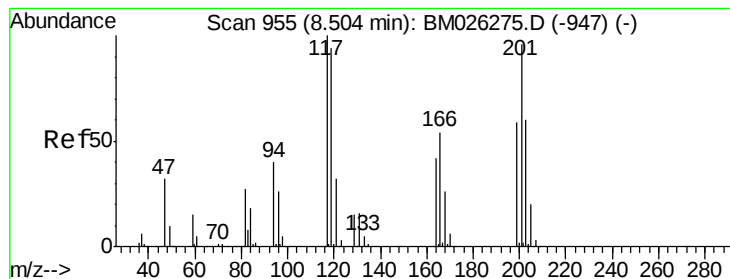
Ion Ratio Lower Upper

94 100

65 35.8 12.8 52.8

66 48.6 23.6 63.6





#18

Hexachloroethane

Concen: 2.544 ng

RT: 8.46 min Scan# 948

Delta R.T. -0.02 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

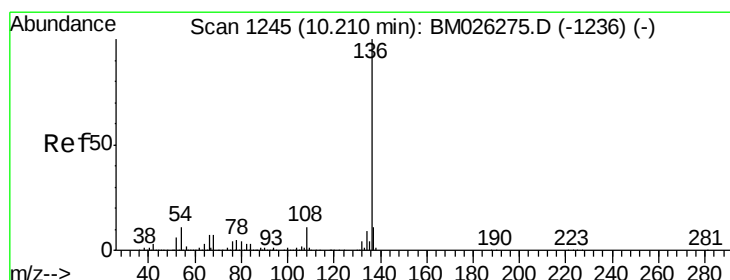
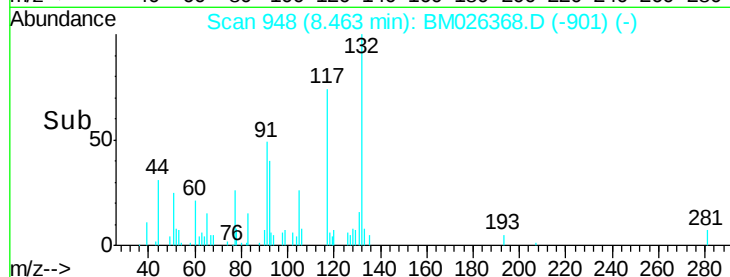
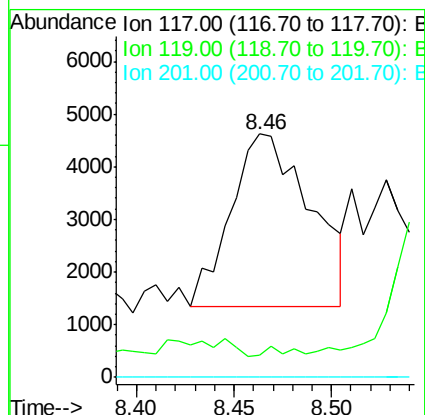
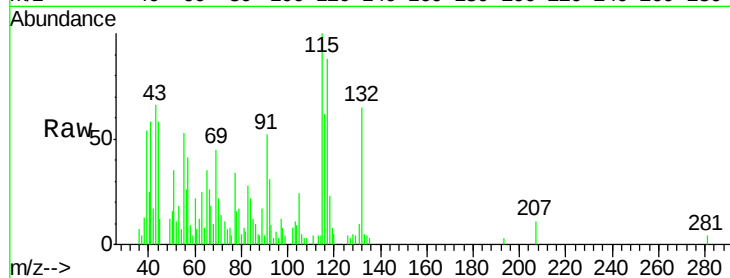
Tot Ion:117 Resp: 9201

Ion Ratio Lower Upper

117 100

119 8.9 75.5 113.3#

201 0.0 76.5 114.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Tgt Ion:136 Resp: 520023

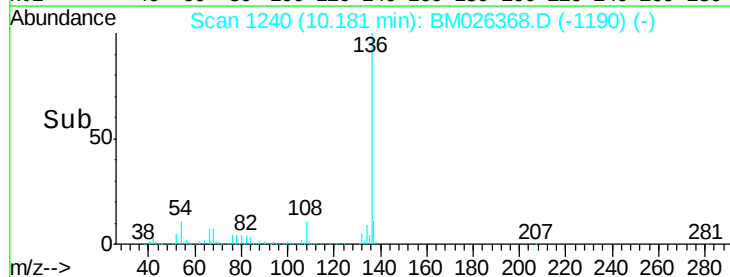
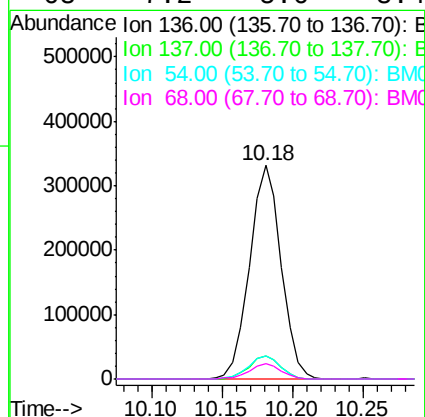
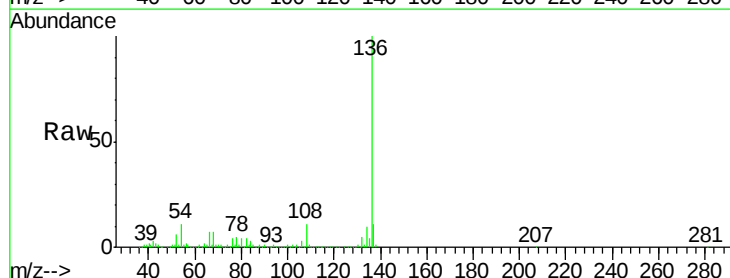
Ion Ratio Lower Upper

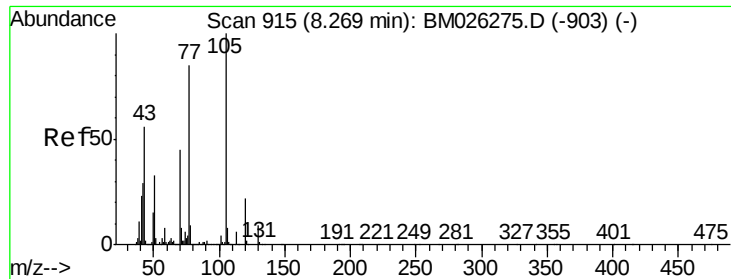
136 100

137 11.0 8.6 13.0

54 10.8 9.0 13.4

68 7.2 5.6 8.4





#22

Acetophenone

Concen: 8.136 ng

RT: 8.24 min Scan# 910

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

Tot Ion:105 Resp: 108786

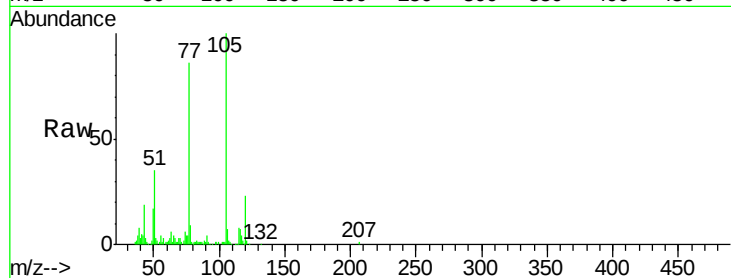
Ion Ratio Lower Upper

105 100

71 1.2 6.1 9.1#

51 34.7 26.2 39.2

120 23.0 17.5 26.3

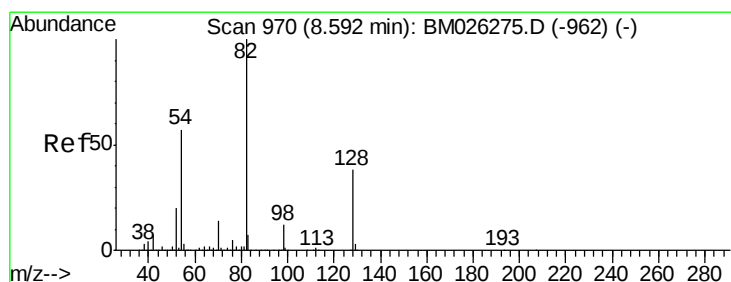
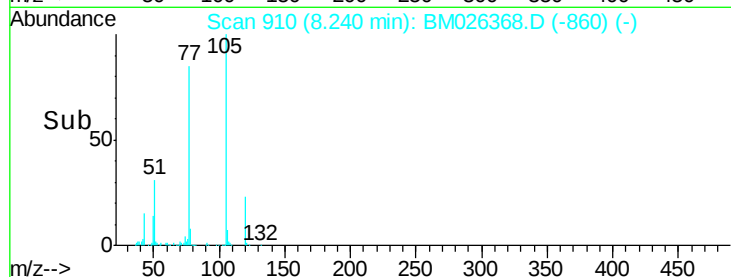
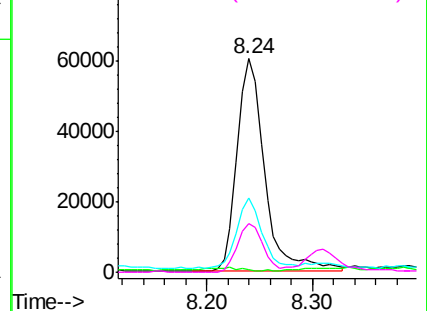


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 53.570 ng

RT: 8.57 min Scan# 966

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

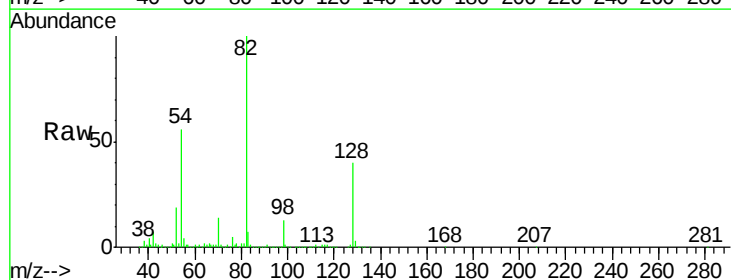
Tgt Ion: 82 Resp: 567363

Ion Ratio Lower Upper

82 100

128 40.2 30.3 45.5

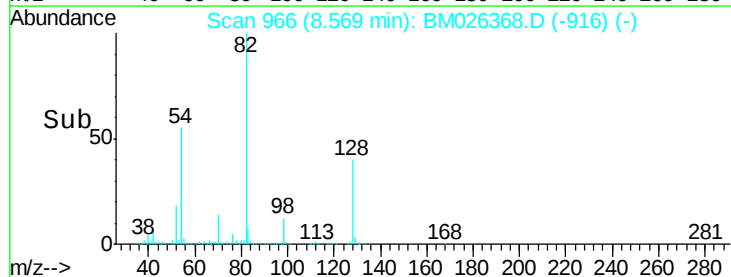
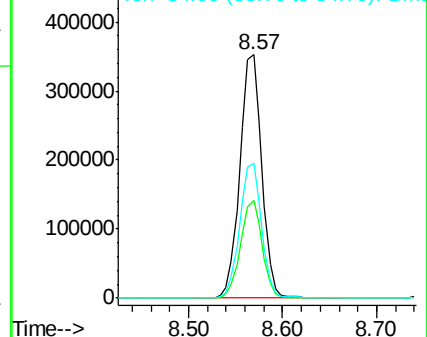
54 55.5 45.4 68.2

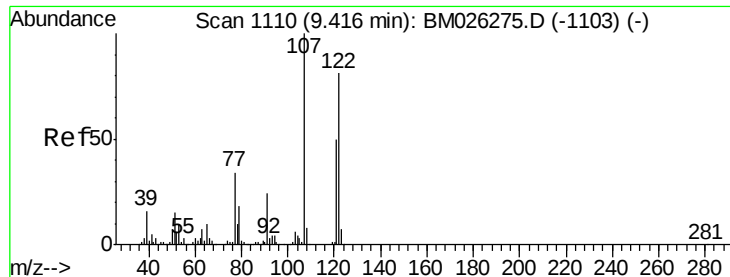


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM0

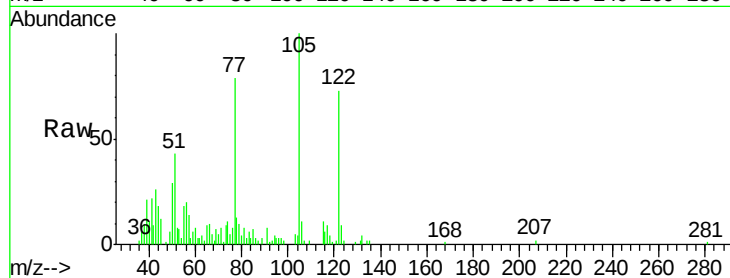




#27
2,4-Dimethylphenol
Concen: 5.669 ng
RT: 9.55 min Scan# 1132
Delta R.T. 0.14 min
Lab File: BM026368.D
Acq: 12 Jun 2020 01:49

Instrument :
BNA_M
ClientSampleId :
OFFICE-SLAB-2

Tot Ion	Ratio	Lower	Upper
122	100		
107	2.5	98.6	147.8#
121	2.6	48.9	73.3#

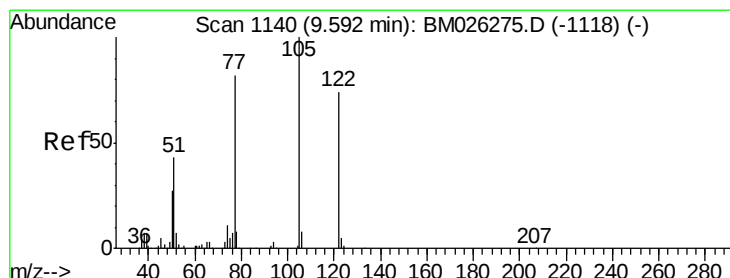
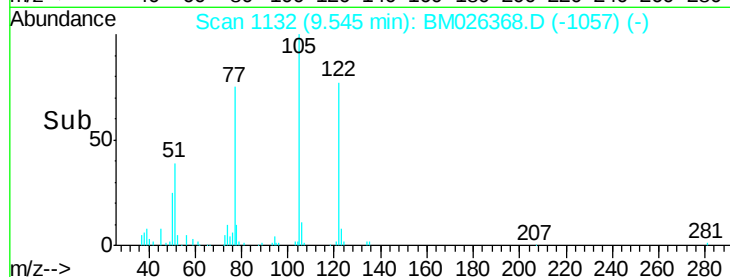
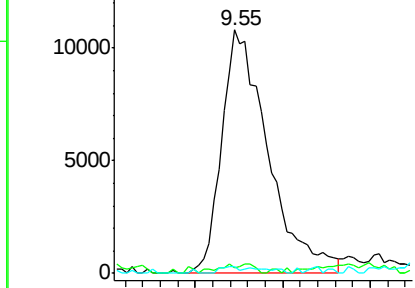


Abundance

Ion 122.00 (121.70 to 122.70): E

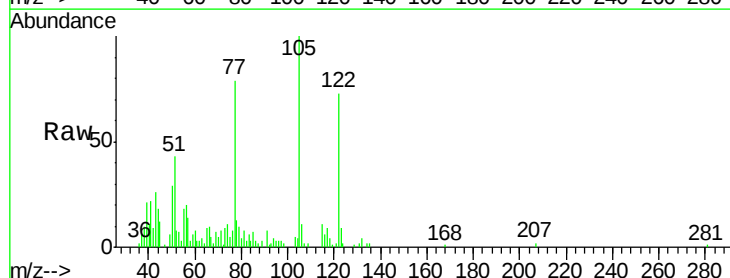
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32
Benzoic acid
Concen: 11.455 ng
RT: 9.55 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BM026368.D
Acq: 12 Jun 2020 01:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.4	112.4	152.4
77	108.4	89.8	129.8

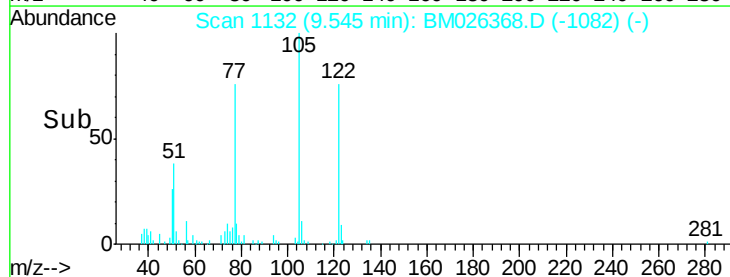
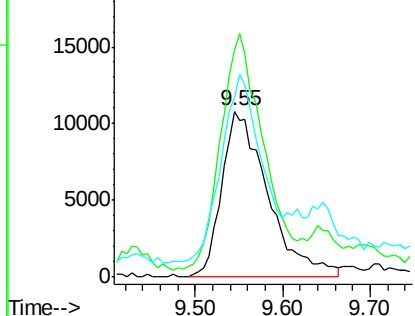


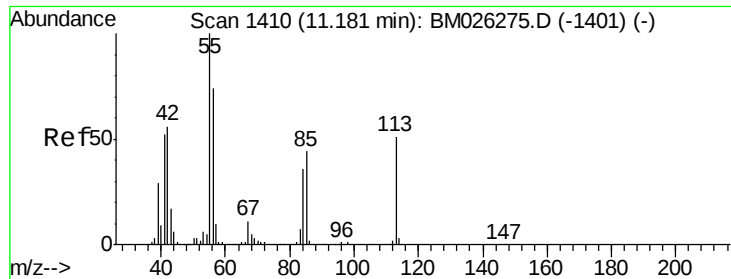
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0





#35

Caprolactam

Concen: 31.088 ng

RT: 11.14 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

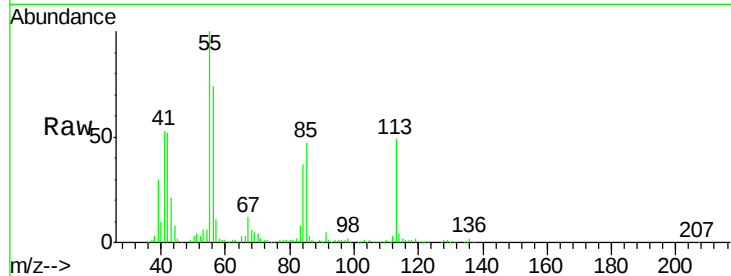
Tot Ion:113 Resp: 83009

Ion Ratio Lower Upper

113 100

55 203.0 176.8 216.8

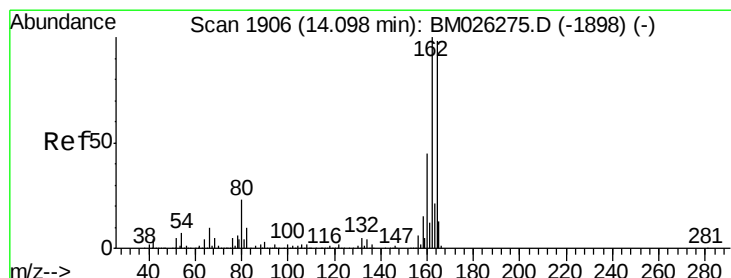
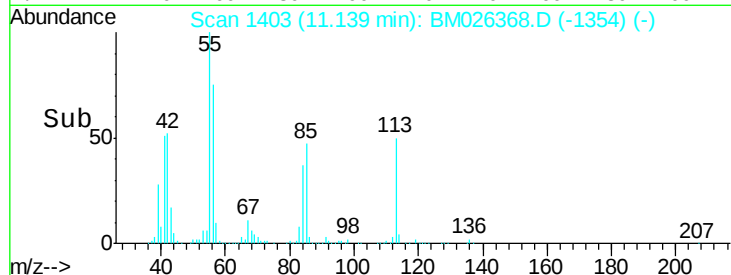
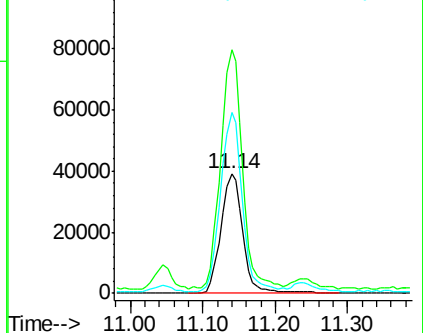
56 151.2 124.8 164.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.07 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

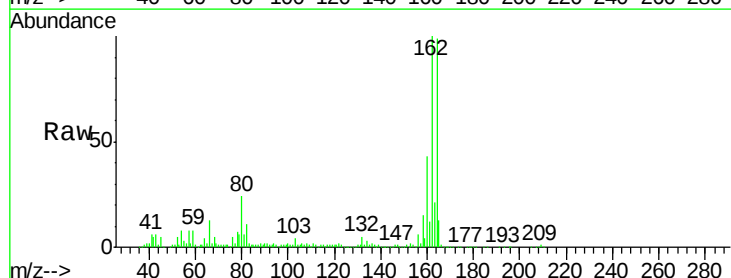
Tgt Ion:164 Resp: 295076

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.2

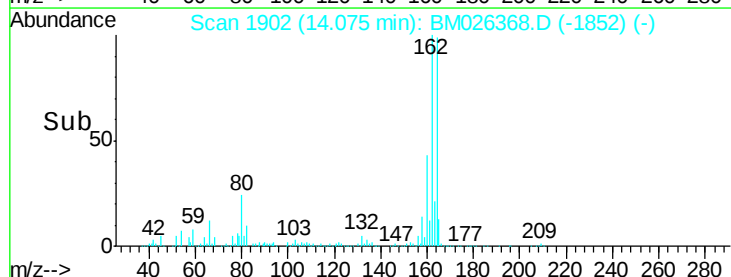
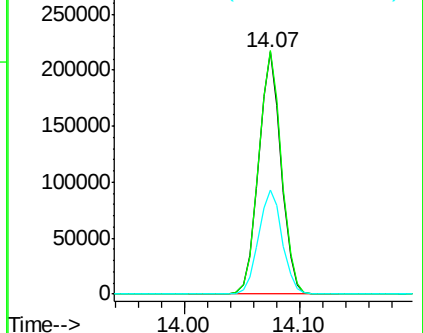
160 43.0 36.4 54.6

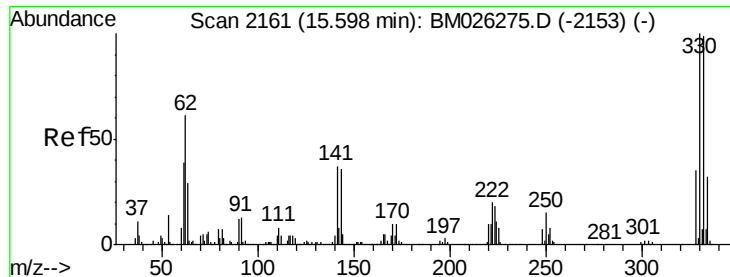


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

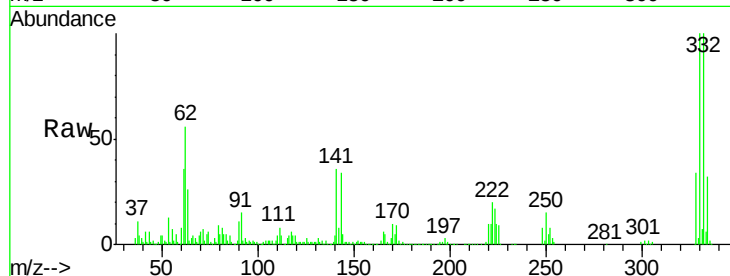




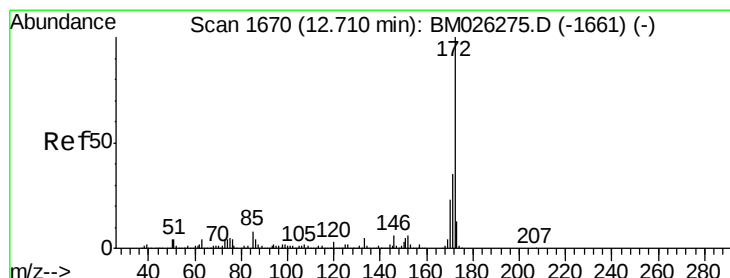
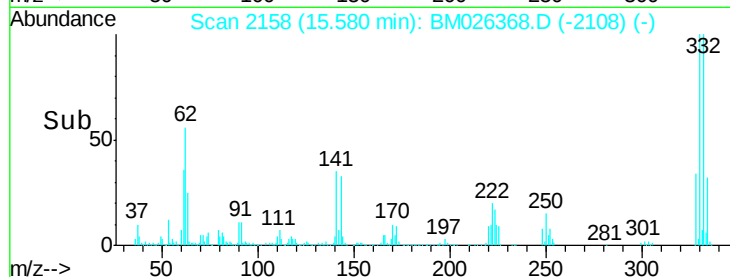
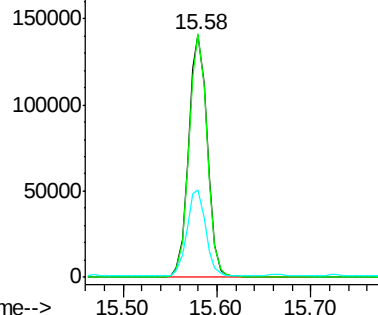
#42
 2,4,6-Tribromophenol
 Concen: 54.830 ng
 RT: 15.58 min Scan# 2158
 Delta R.T. -0.01 min
 Lab File: BM026368.D
 Acq: 12 Jun 2020 01:49

Instrument :
 BNA_M
 ClientSampleId :
 OFFICE-SLAB-2

Tot Ion:330 Resp: 195986
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.1 117.1
 141 35.3 30.0 45.0

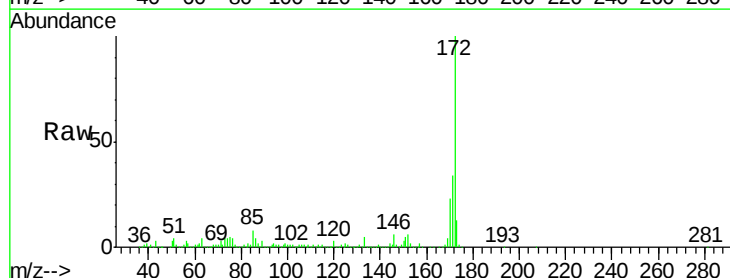


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

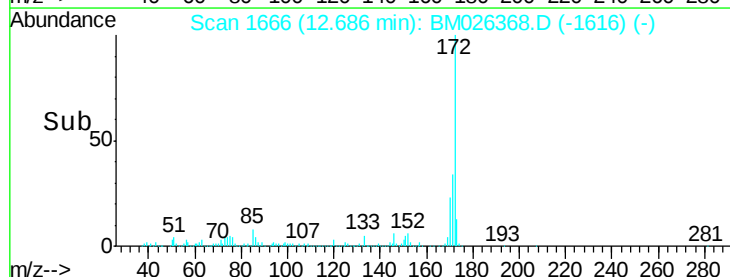
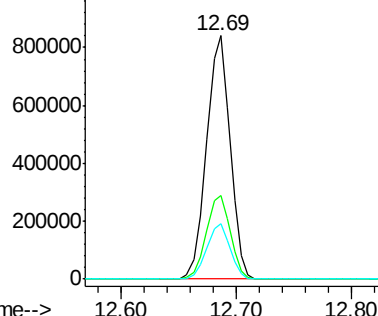


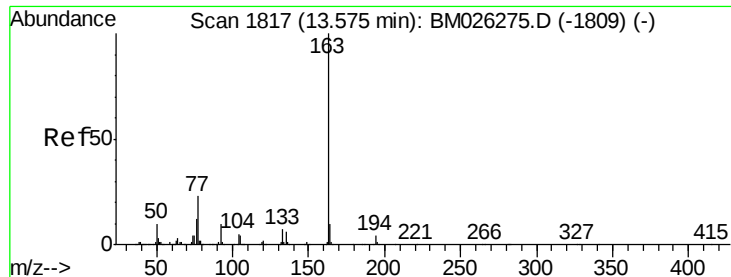
#45
 2-Fluorobiphenyl
 Concen: 60.987 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM026368.D
 Acq: 12 Jun 2020 01:49

Tgt Ion:172 Resp: 1185517
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.2 42.2
 170 22.8 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.538 ng

RT: 13.55 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

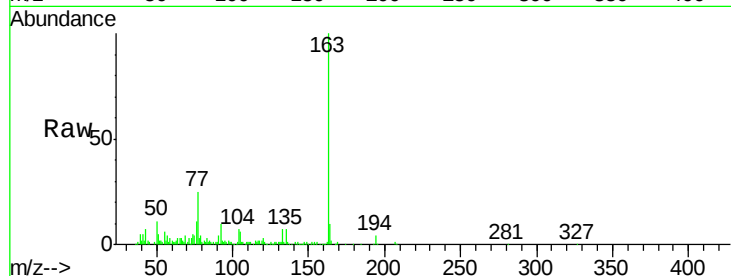
Tot Ion:163 Resp: 97952

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

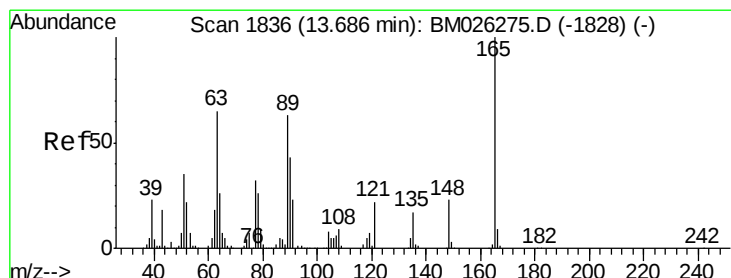
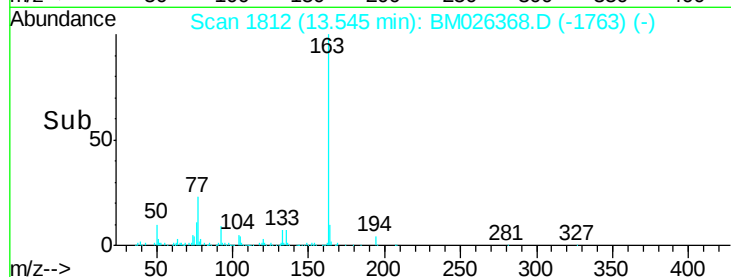
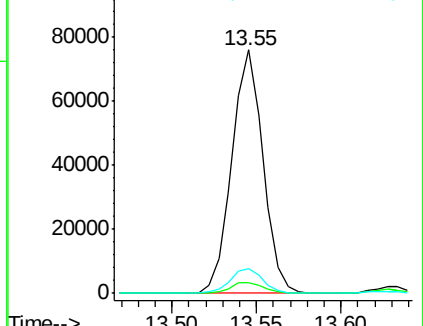
164 10.1 8.0 12.0



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



#51

2,6-Dinitrotoluene

Concen: 6.916 ng

RT: 13.63 min Scan# 1826

Delta R.T. -0.04 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

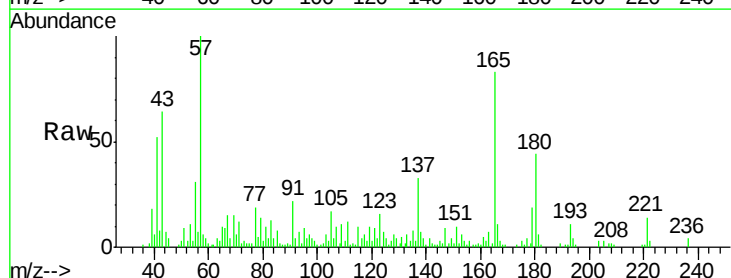
Tgt Ion:165 Resp: 32756

Ion Ratio Lower Upper

165 100

63 4.5 55.0 82.4#

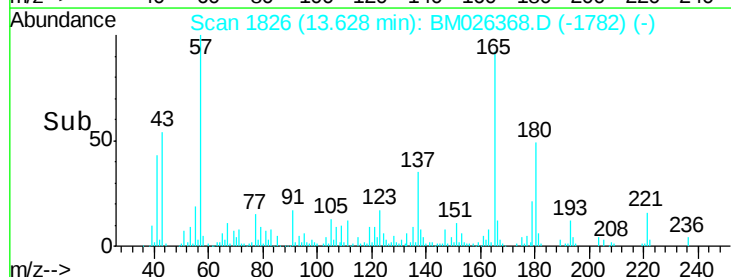
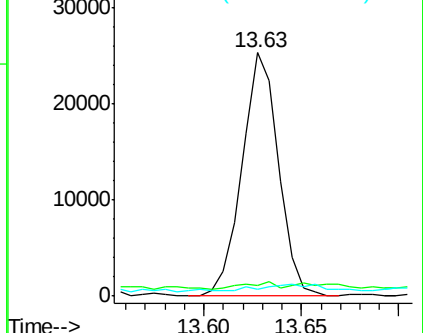
89 2.8 50.0 75.0#

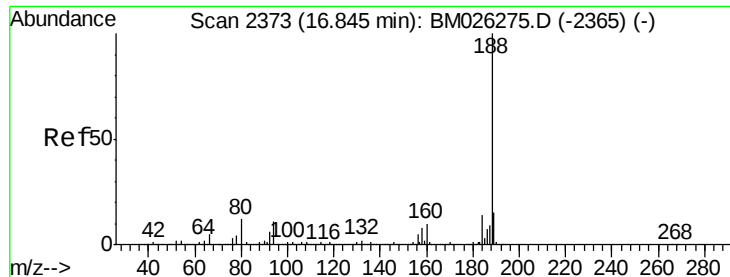


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

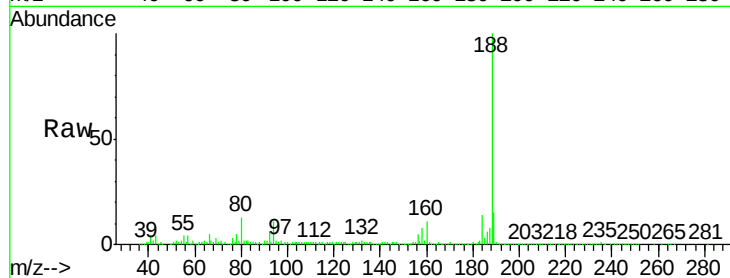
Tot Ion:188 Resp: 576969

Ion Ratio Lower Upper

188 100

94 10.8 8.6 12.8

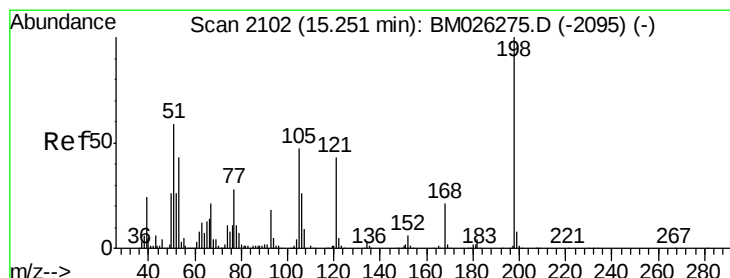
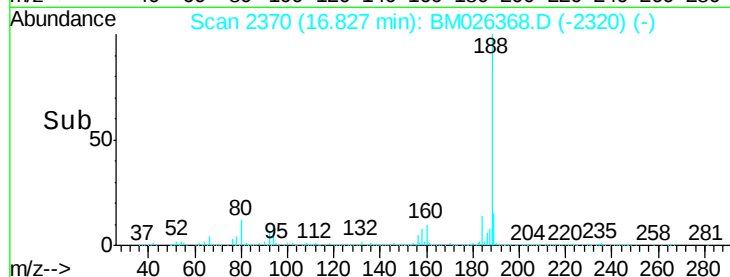
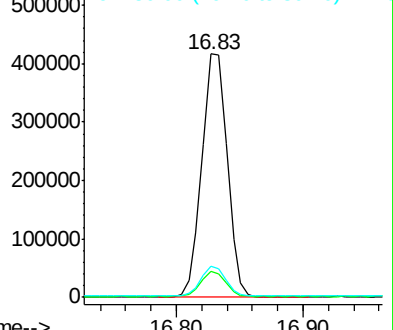
80 12.8 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#65

4,6-Dinitro-2-methylphenol

Concen: 2.218 ng

RT: 15.26 min Scan# 2103

Delta R.T. 0.02 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

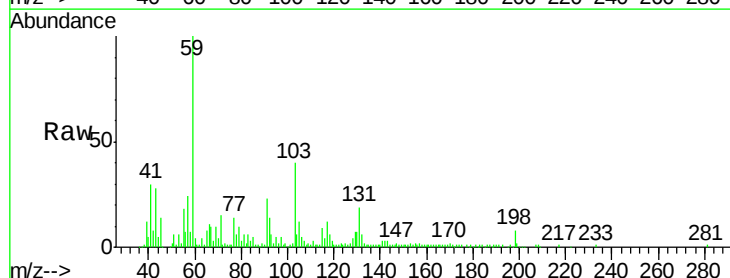
Tgt Ion:198 Resp: 7782

Ion Ratio Lower Upper

198 100

51 72.4 39.6 79.6

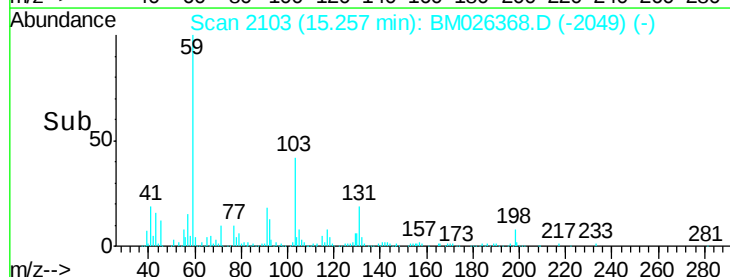
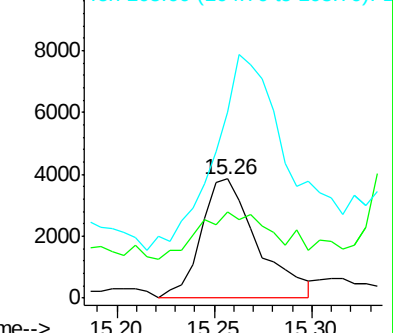
105 156.7 26.9 66.9#

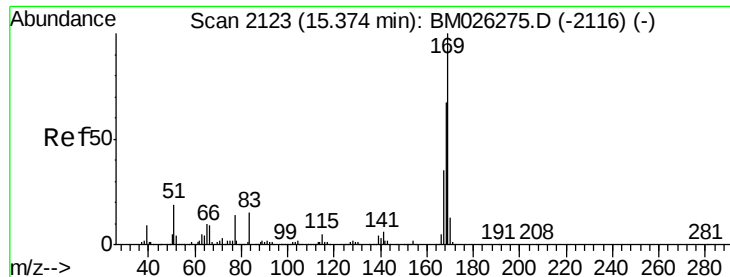


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

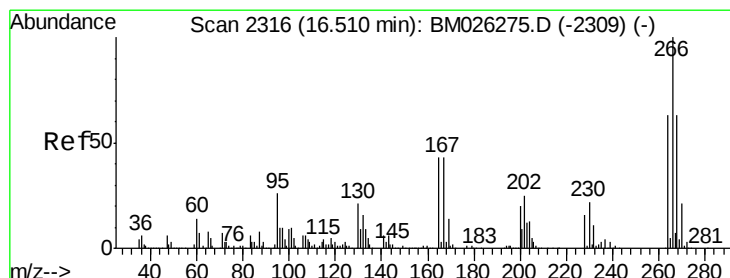
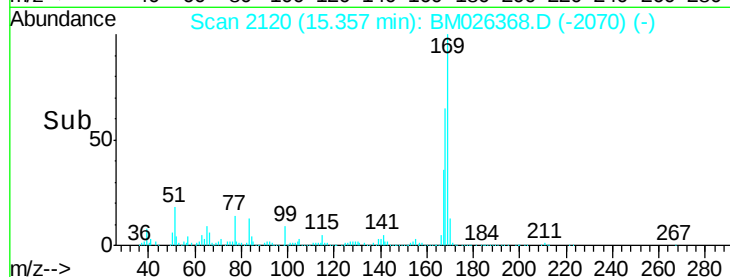
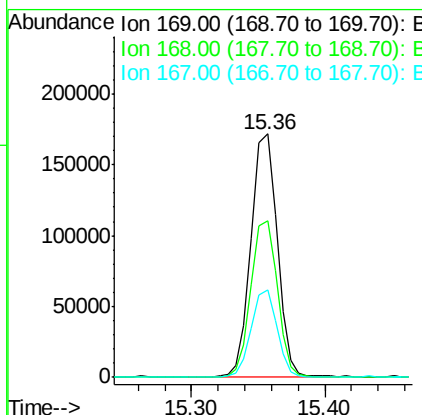
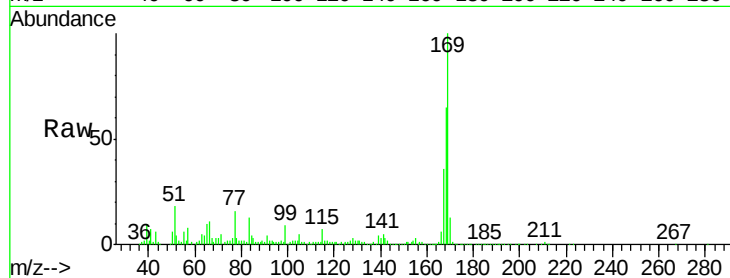




#66
 n-Nitrosodiphenylamine
 Concen: 13.893 ng
 RT: 15.36 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BM026368.D
 Acq: 12 Jun 2020 01:49

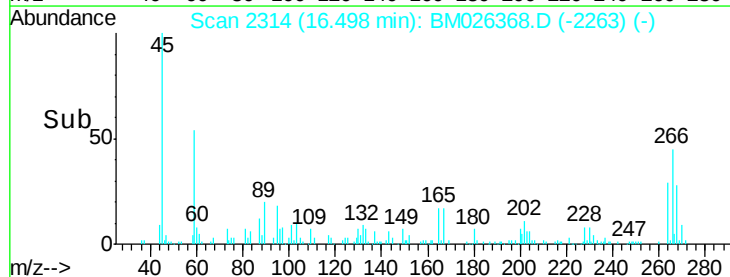
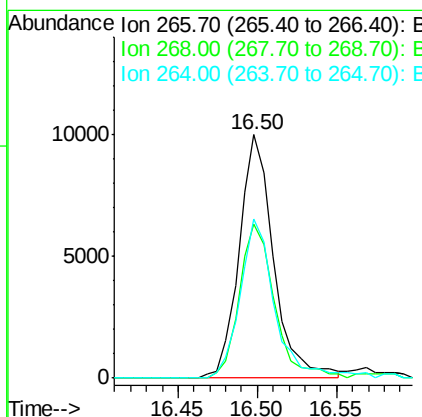
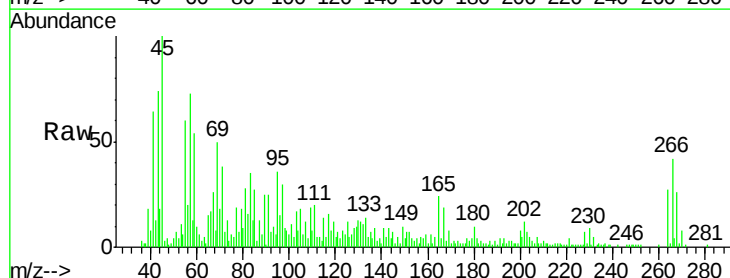
Instrument :
 BNA_M
 ClientSampleId :
 OFFICE-SLAB-2

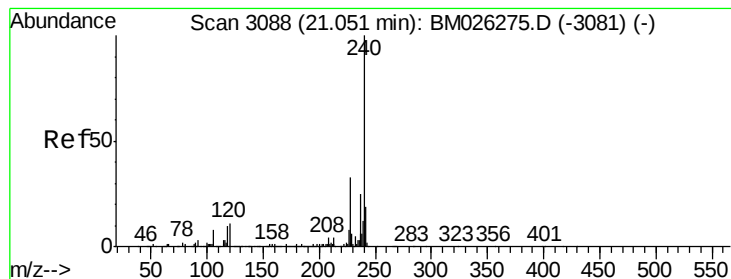
Tot Ion	Ratio	Lower	Upper
169	100		
168	64.6	53.4	80.2
167	35.8	28.3	42.5



#70
 Pentachlorophenol
 Concen: 3.785 ng
 RT: 16.50 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: BM026368.D
 Acq: 12 Jun 2020 01:49

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.5	75.7
264	65.2	50.2	75.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.04 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

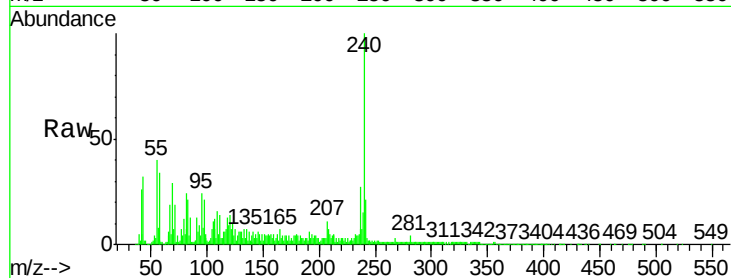
Tot Ion:240 Resp: 597693

Ion Ratio Lower Upper

240 100

120 14.0 8.9 13.3#

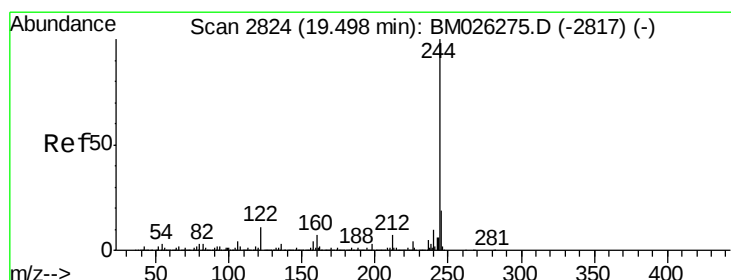
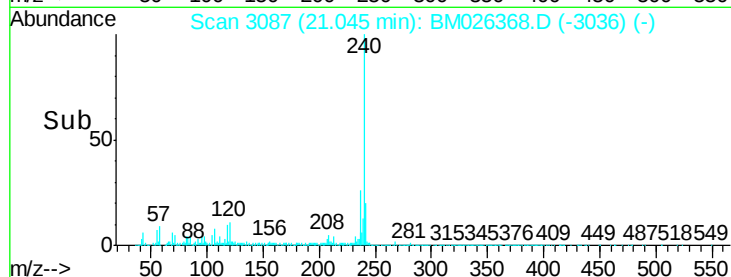
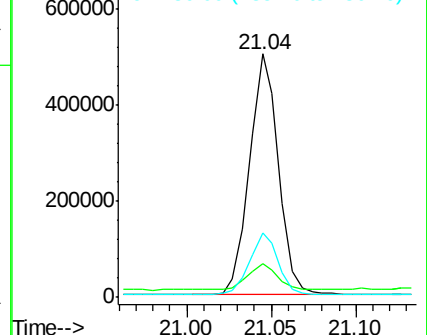
236 26.5 19.7 29.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 53.949 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

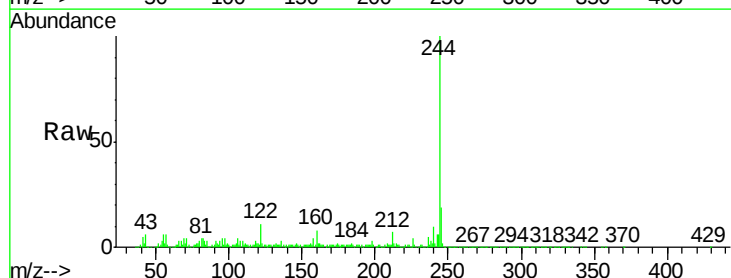
Tgt Ion:244 Resp: 1661117

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

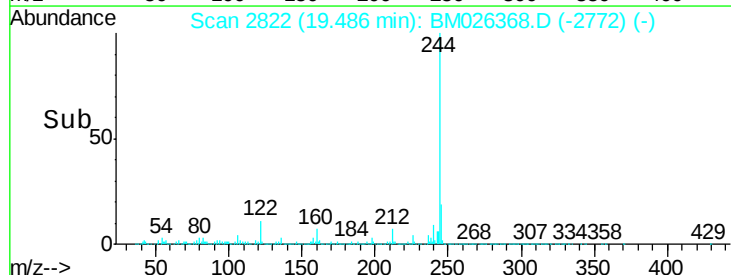
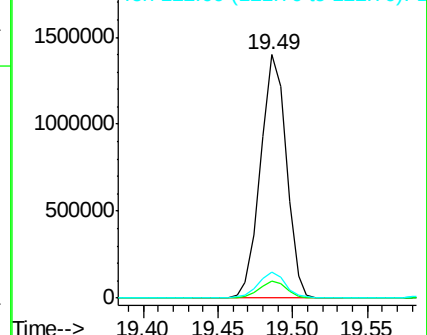
122 10.9 9.1 13.7

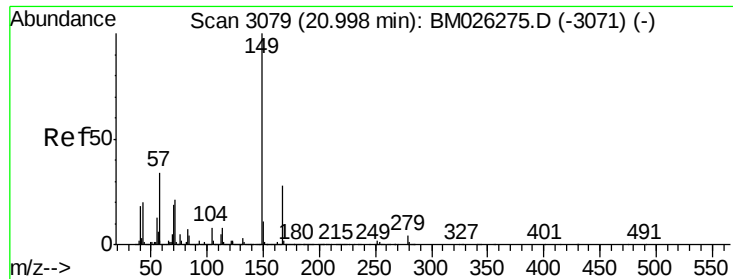


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 25.855 ng

RT: 20.99 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

Instrument :

BNA_M

ClientSampleId :

OFFICE-SLAB-2

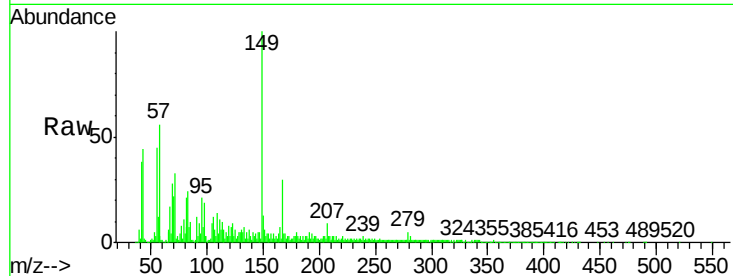
Tot Ion:149 Resp: 588747

Ion Ratio Lower Upper

149 100

167 30.2 22.2 33.4

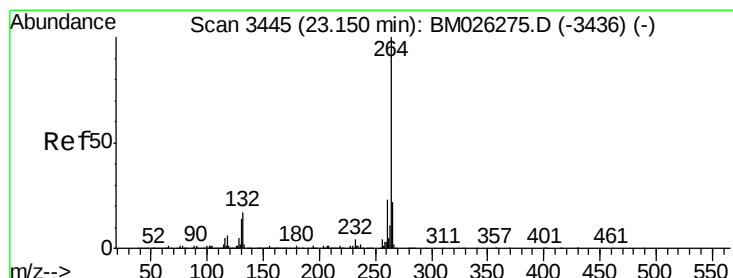
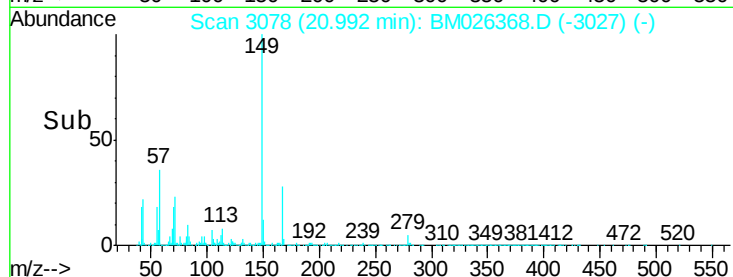
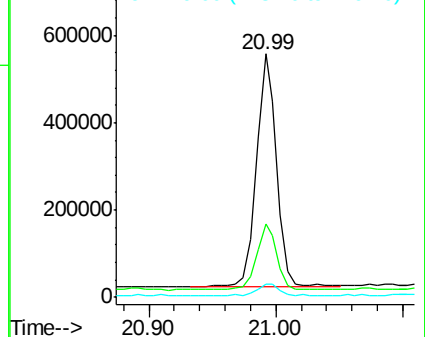
279 5.4 3.6 5.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.18 min Scan# 3450

Delta R.T. 0.04 min

Lab File: BM026368.D

Acq: 12 Jun 2020 01:49

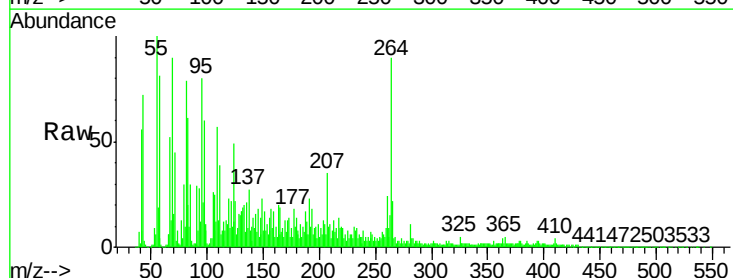
Tgt Ion:264 Resp: 677022

Ion Ratio Lower Upper

264 100

260 26.4 18.6 28.0

265 24.9 18.2 27.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

