

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042419\
 Data File : BM020067.D
 Acq On : 24 Apr 2019 16:39
 Operator : JU/SJ
 Sample : PB119111BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 01:47:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 00:56:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	106002	20.00	ng	-0.02
21) Naphthalene-d8	10.27	136	336395	20.00	ng	-0.01
39) Acenaphthene-d10	14.16	164	209095	20.00	ng	-0.01
64) Phenanthrene-d10	16.93	188	423138	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	389405	20.00	ng	-0.01
87) Perylene-d12	23.33	264	394850	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	627881	96.00	ng	-0.03
7) Phenol-d6	6.68	99	811098	82.40	ng	-0.03
23) Nitrobenzene-d5	8.67	82	497019	66.07	ng	-0.02
42) 2,4,6-Tribromophenol	15.67	330	271653	80.71	ng	-0.02
45) 2-Fluorobiphenyl	12.76	172	1073350	63.97	ng	-0.02
79) Terphenyl-d14	19.57	244	1459471	66.11	ng	-0.02

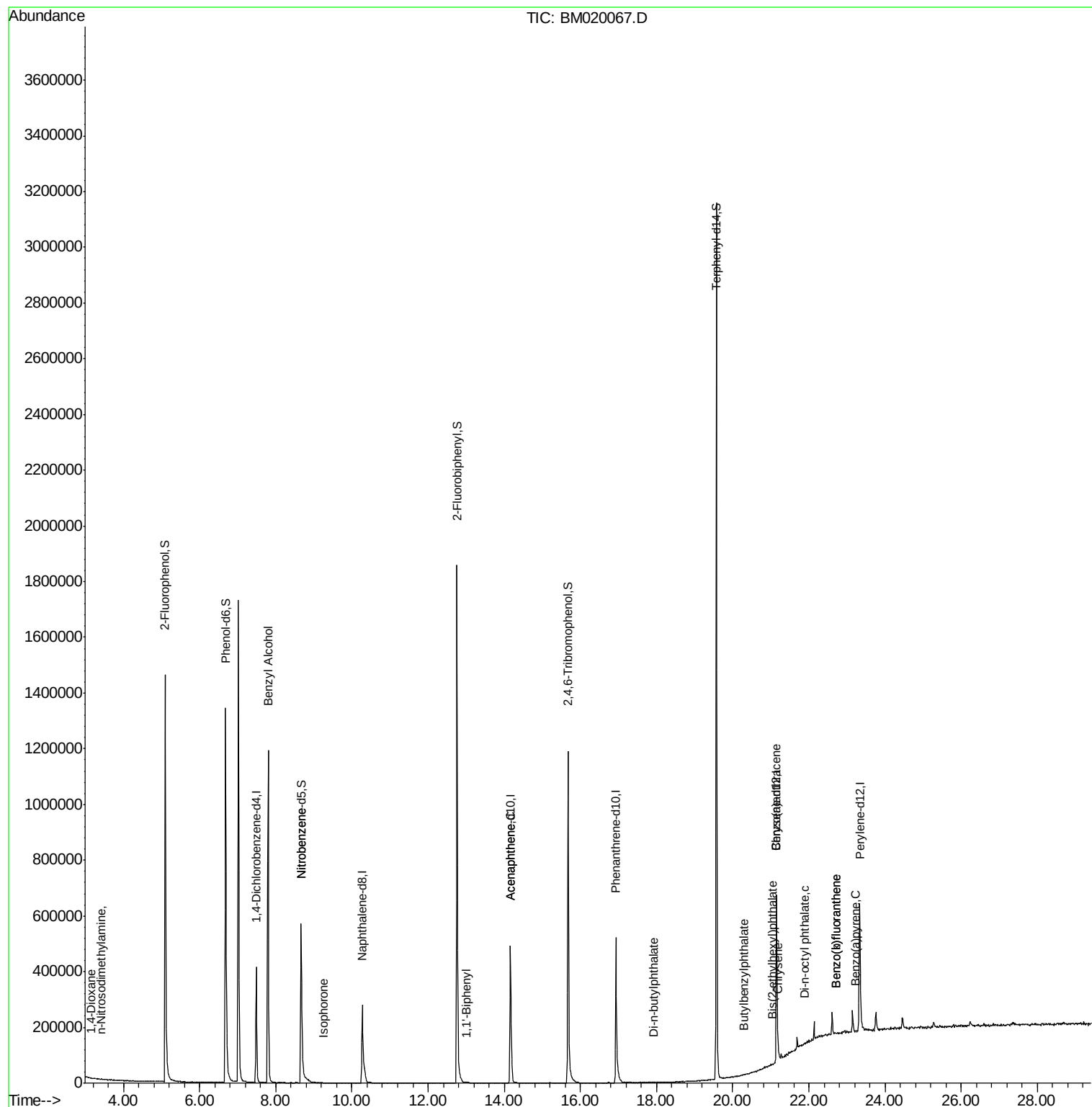
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.14	88	414	0.147	ng	# 70
4) n-Nitrosodimethylamine	3.41	42	225	0.088	ng	# 1
9) Benzaldehyde	6.68	77	1613	Below Cal		# 7
15) Benzyl Alcohol	7.80	79	10896	1.218	ng	# 49
24) Nitrobenzene	8.67	77	2178	0.280	ng	# 44
25) Isophorone	9.26	82	794	0.054	ng	# 69
46) 1,1'-Biphenyl	13.02	154	403	0.022	ng	# 42
52) Acenaphthene	14.16	154	660	0.050	ng	# 4
74) Di-n-butylphthalate	17.92	149	726	0.024	ng	# 78
80) Butylbenzylphthalate	20.29	149	128	0.010	ng	# 19
81) Benzo(a)anthracene	21.14	228	1490	0.060	ng	# 51
83) Chrysene	21.19	228	1051	0.044	ng	# 50
84) Bis(2-ethylhexyl)phthalate	21.05	149	1828	0.098	ng	# 55
85) Di-n-octyl phthalate	21.90	149	97	0.003	ng	# 82
88) Benzo(b)fluoranthene	22.72	252	698	0.027	ng	# 1
89) Benzo(k)fluoranthene	22.72	252	698	0.028	ng	# 1
90) Benzo(a)pyrene	23.23	252	127	0.005	ng	# 1

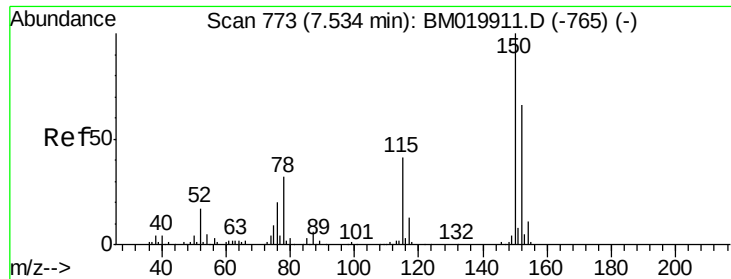
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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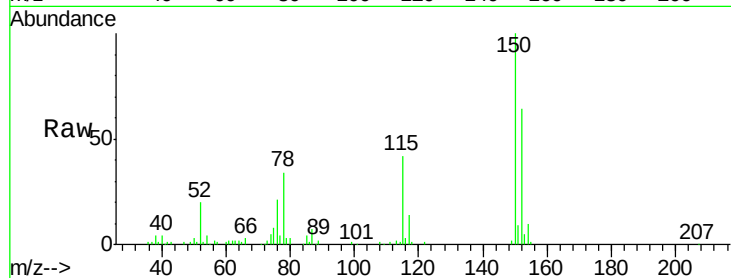


#1

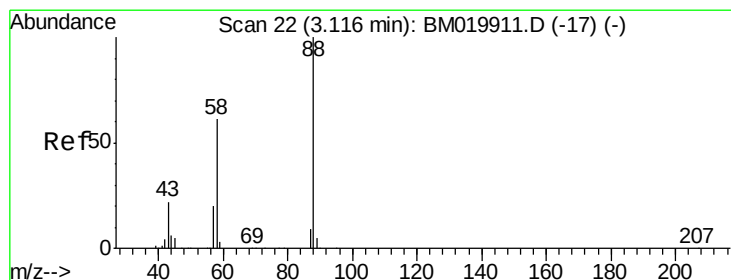
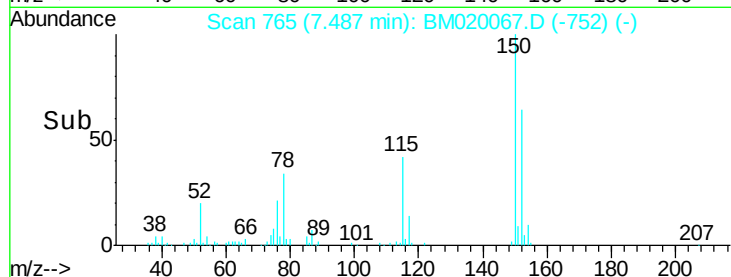
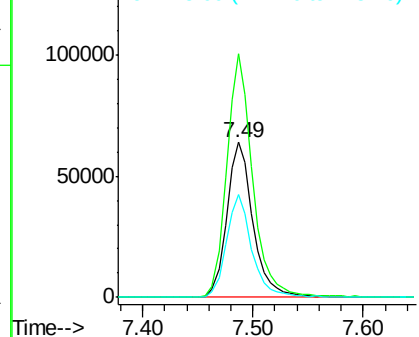
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 765
Delta R.T. -0.02 min
Lab File: BM020067.D
Acq: 24 Apr 2019 16:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 106002
Ion Ratio Lower Upper
152 100
150 157.1 122.1 183.1
115 66.5 50.0 75.0



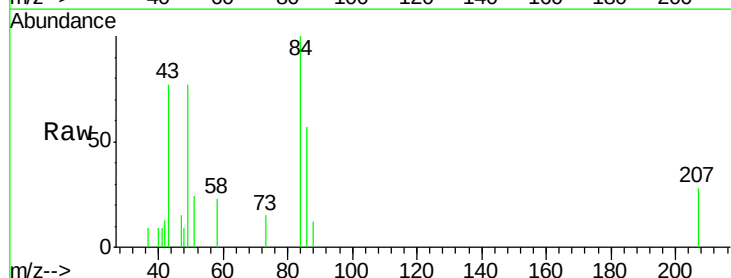
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



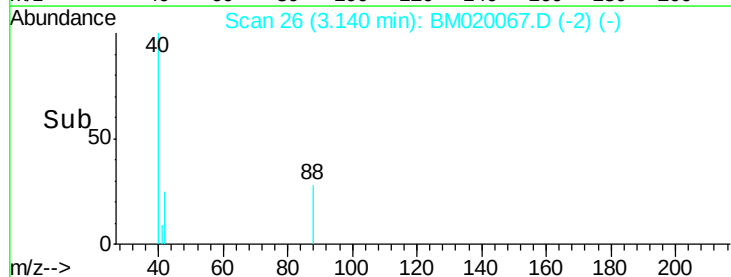
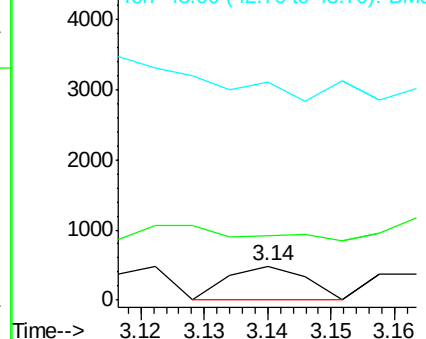
#2

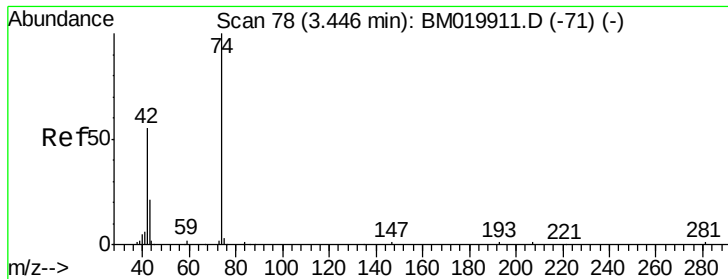
1,4-Dioxane
Concen: 0.147 ng
RT: 3.14 min Scan# 26
Delta R.T. 0.04 min
Lab File: BM020067.D
Acq: 24 Apr 2019 16:39

Tgt Ion: 88 Resp: 414
Ion Ratio Lower Upper
88 100
58 43.5 49.6 74.4#
43 0.0 18.6 27.8#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#4

n-Nitrosodimethylamine

Concen: 0.088 ng

RT: 3.41 min Scan# 72

Delta R.T. -0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

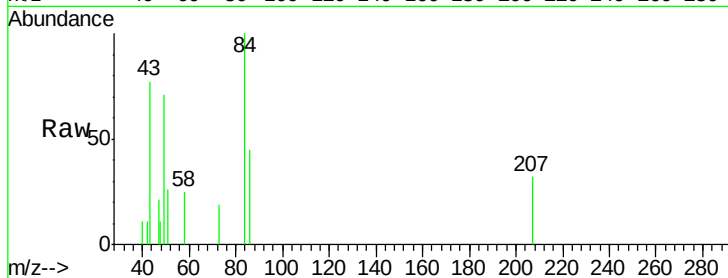
Tot Ion: 42 Resp: 225

Ion Ratio Lower Upper

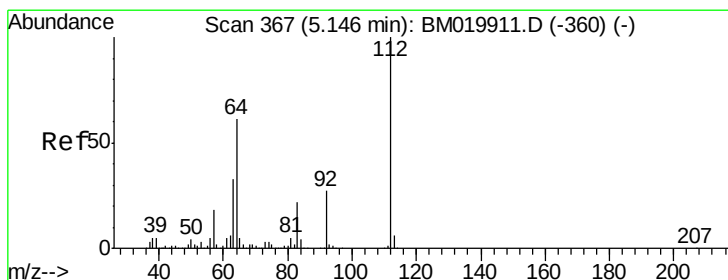
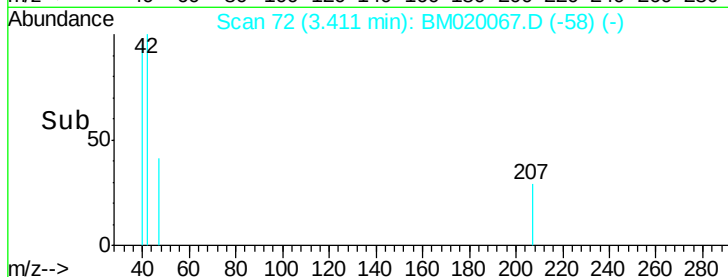
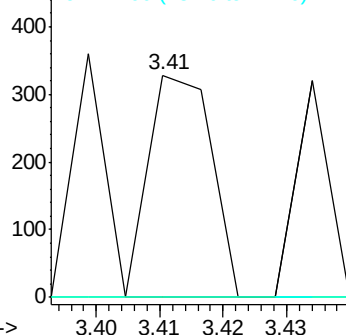
42 100

74 0.0 144.6 217.0#

44 0.0 5.4 8.2#



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: 95.996 ng

RT: 5.10 min Scan# 359

Delta R.T. -0.03 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

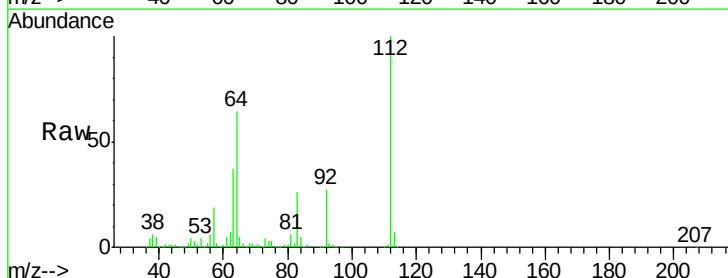
Tgt Ion: 112 Resp: 627881

Ion Ratio Lower Upper

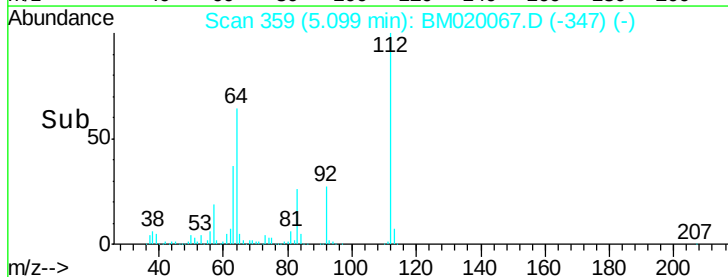
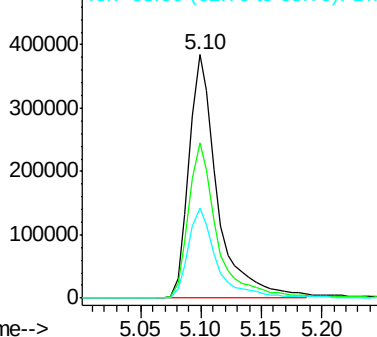
112 100

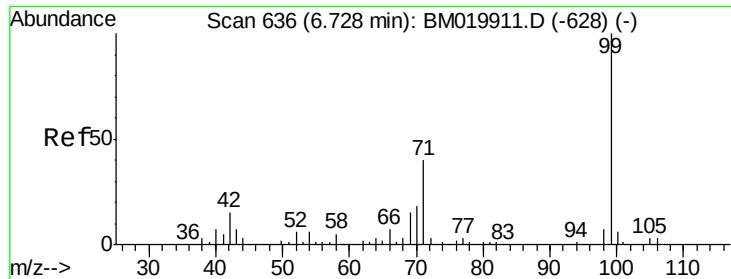
64 63.9 49.1 73.7

63 36.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 82.398 ng

RT: 6.68 min Scan# 628

Delta R.T. -0.03 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampled :

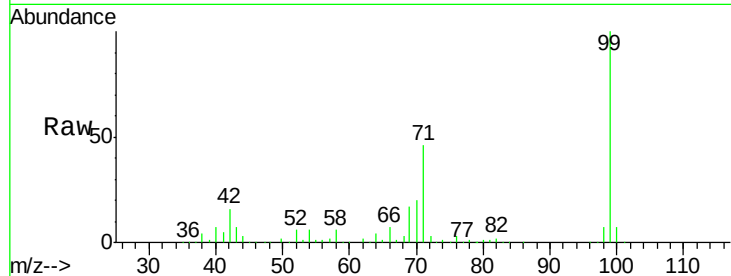
Tot Ion: 99 Resp: 811098

Ion Ratio Lower Upper

99 100

42 15.9 11.8 17.8

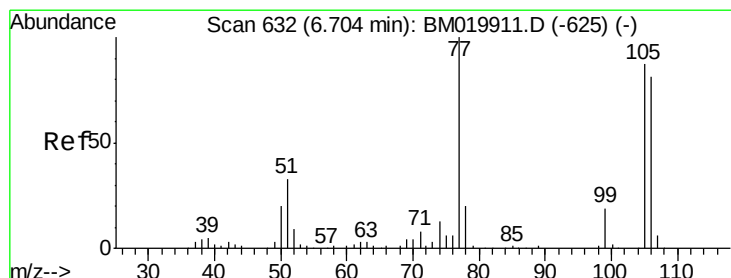
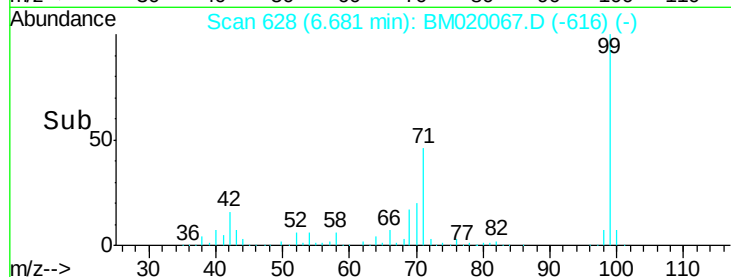
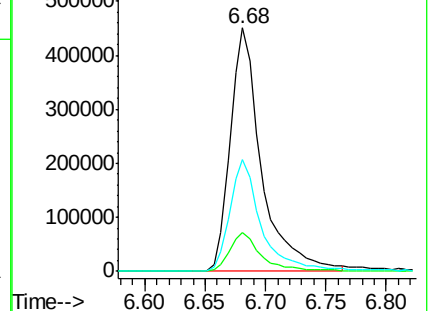
71 46.0 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM019911.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM019911.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM019911.D (-628) (-)



#9

Benzaldehyde

Concen: Below Cal

RT: 6.68 min Scan# 628

Delta R.T. -0.01 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

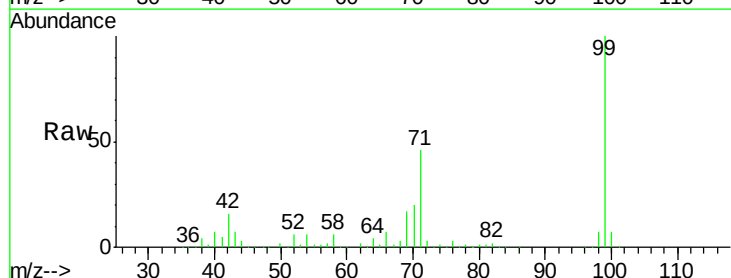
Tgt Ion: 77 Resp: 1613

Ion Ratio Lower Upper

77 100

105 0.0 67.3 107.3#

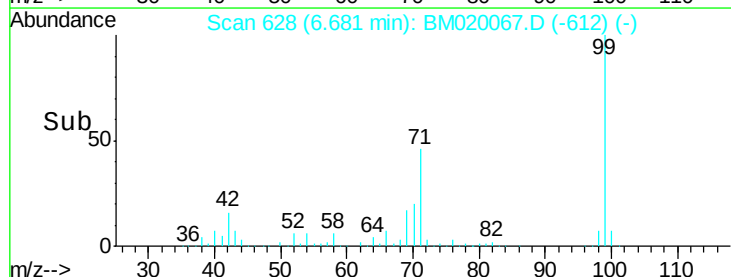
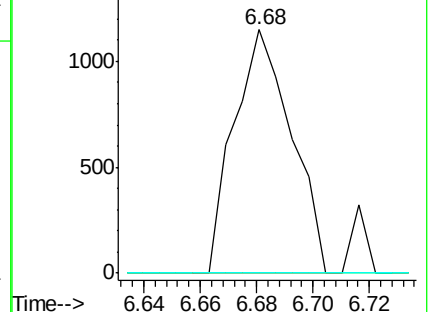
106 0.0 60.6 100.6#

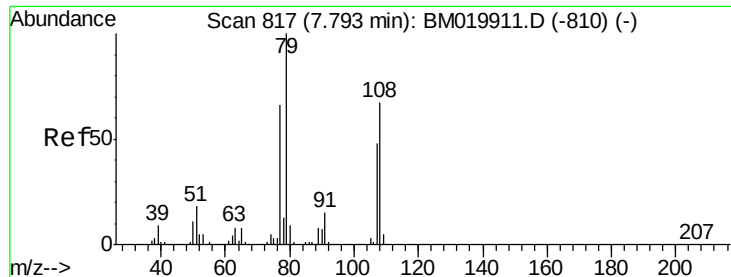


Abundance Ion 77.00 (76.70 to 77.70): BM019911.D (-625) (-)

Ion 105.00 (104.70 to 105.70): BM019911.D (-625) (-)

Ion 106.00 (105.70 to 106.70): BM019911.D (-625) (-)





#15

Benzyl Alcohol

Concen: 1.218 ng

RT: 7.80 min Scan# 818

Delta R.T. 0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampled :

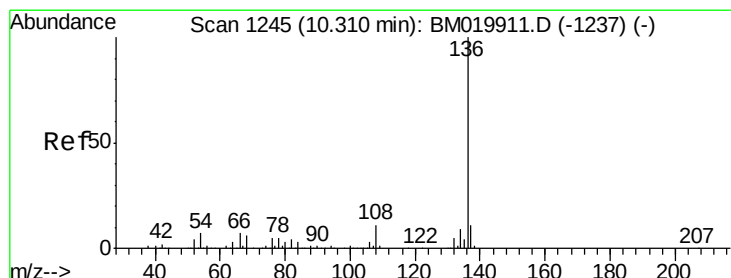
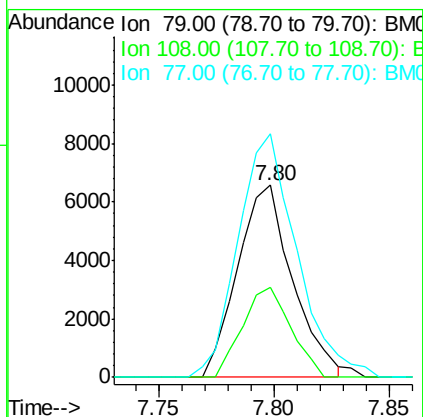
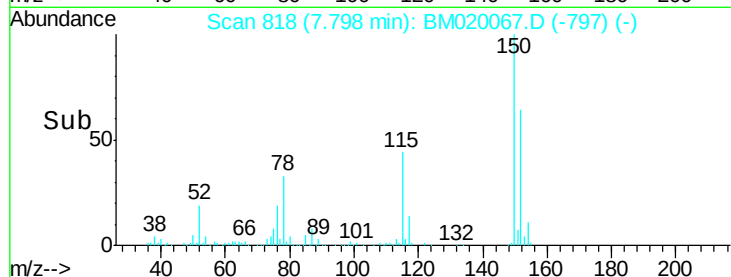
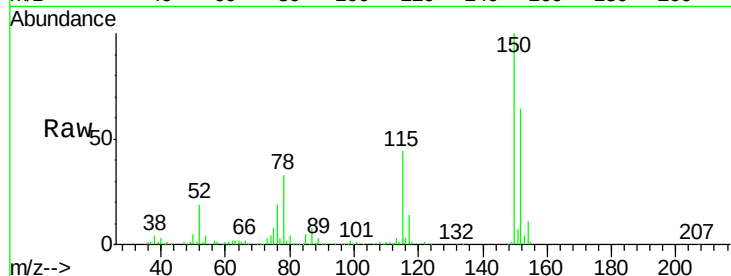
Tot Ion: 79 Resp: 10896

Ion Ratio Lower Upper

79 100

108 46.6 53.9 80.9#

77 126.8 53.1 79.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.27 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Tgt Ion: 136 Resp: 336395

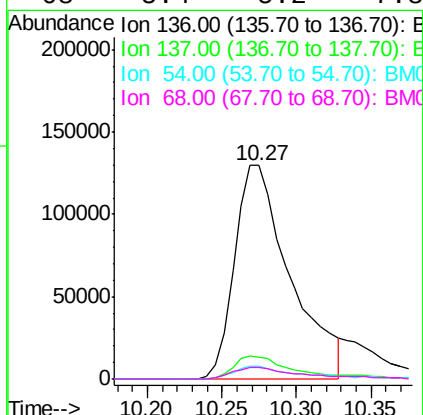
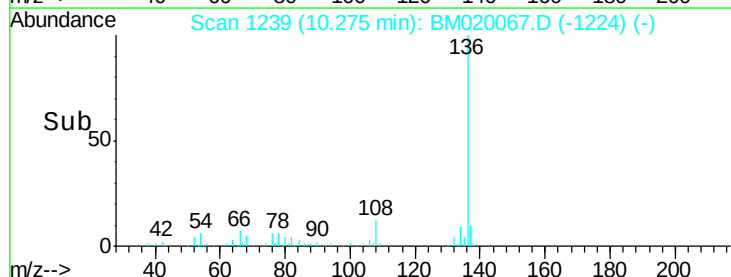
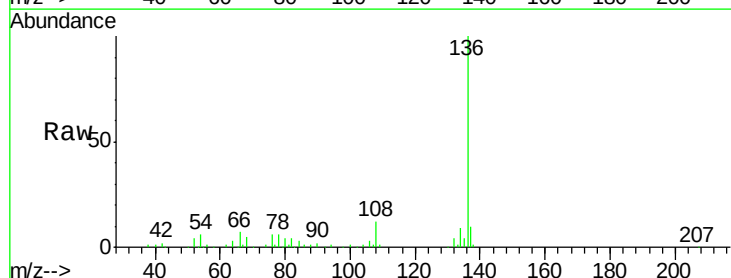
Ion Ratio Lower Upper

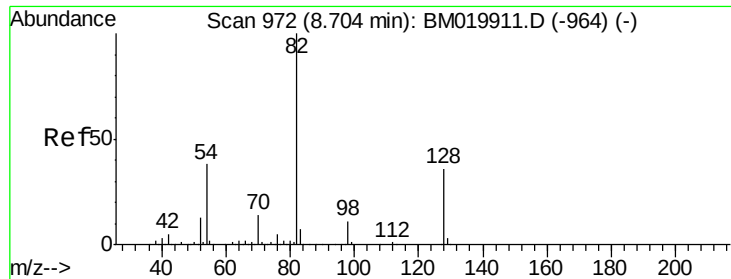
136 100

137 10.1 9.0 13.6

54 6.1 5.3 7.9

68 5.4 5.2 7.8

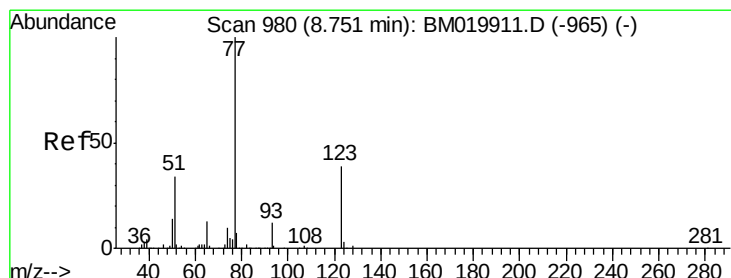
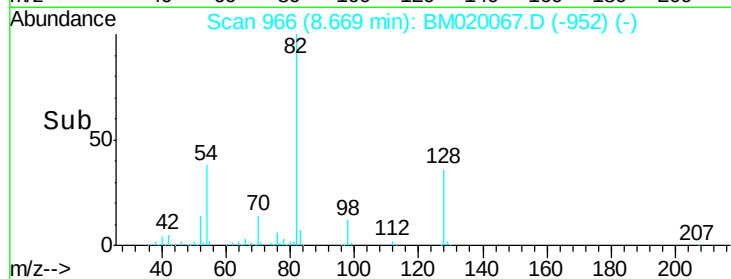
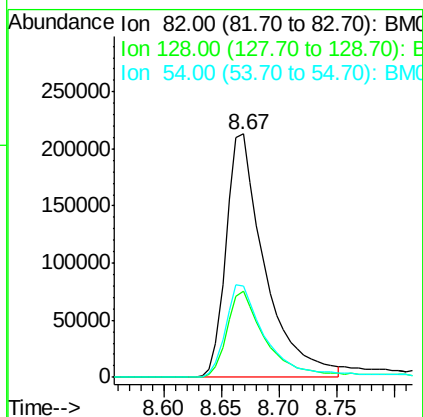
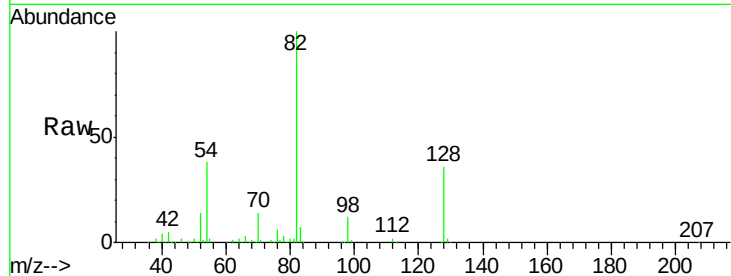




#23
 Nitrobenzene-d5
 Concen: 66.075 ng
 RT: 8.67 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

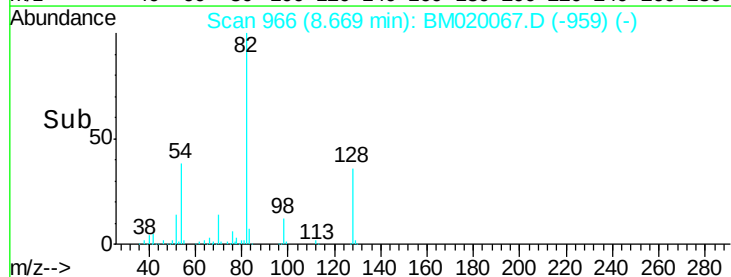
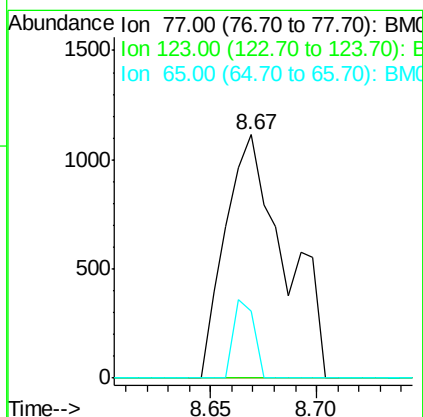
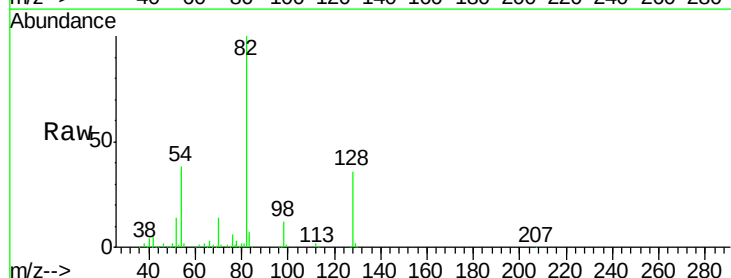
Instrument :
 BNA_M
 ClientSampled :

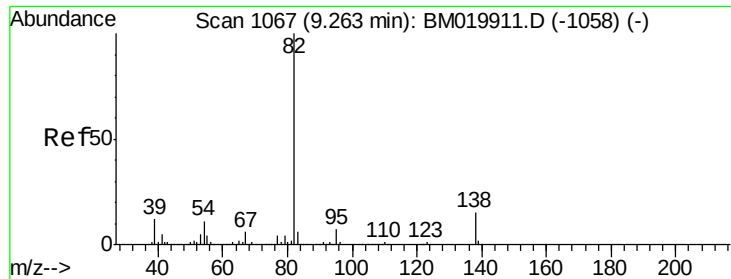
Tot Ion	82	Resp	497019
Ion Ratio	Lower	Upper	
82	100		
128	35.6	29.0	43.4
54	37.7	30.2	45.4



#24
 Nitrobenzene
 Concen: 0.280 ng
 RT: 8.67 min Scan# 966
 Delta R.T. -0.06 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

Tgt Ion	77	Resp	2178
Ion Ratio	Lower	Upper	
77	100		
123	0.0	31.0	46.4#
65	27.4	10.6	16.0#





#25

Isophorone

Concen: 0.054 ng

RT: 9.26 min Scan# 1067

Delta R.T. 0.02 min

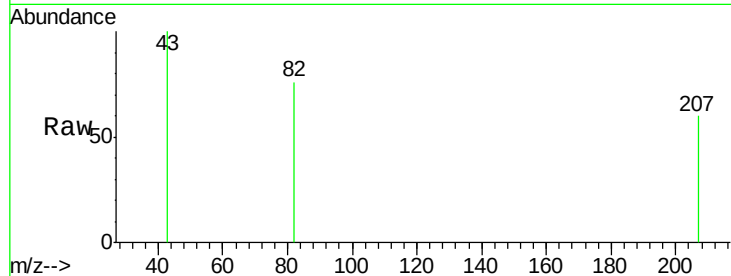
Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :



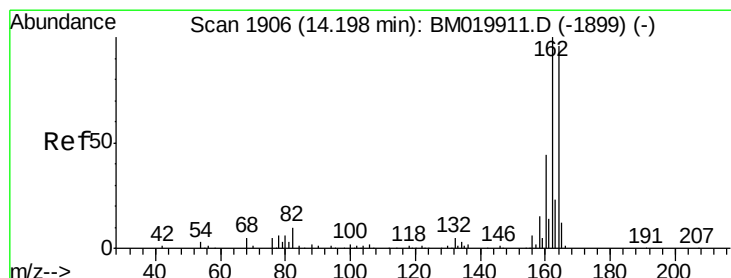
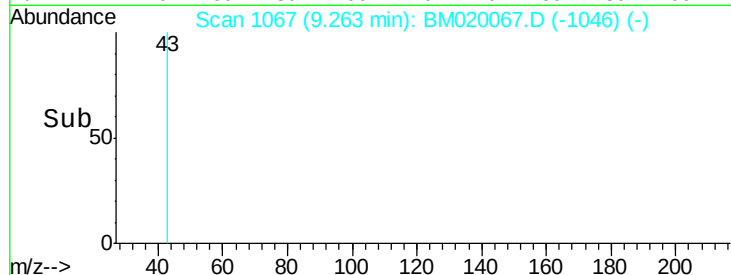
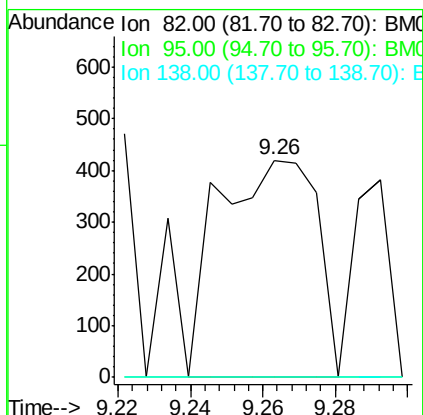
Tot Ion: 82 Resp: 794

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 12.2 18.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.16 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

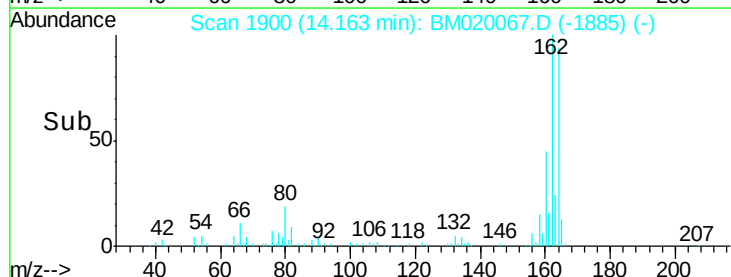
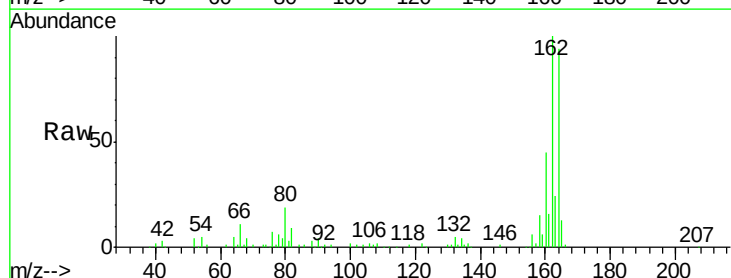
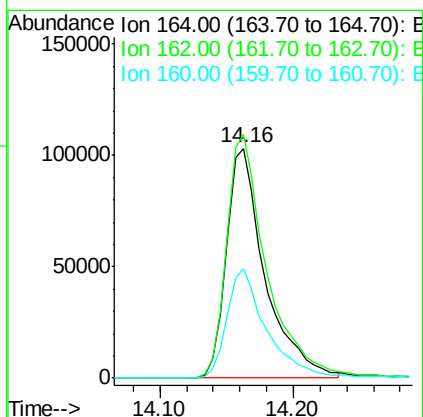
Tgt Ion: 164 Resp: 209095

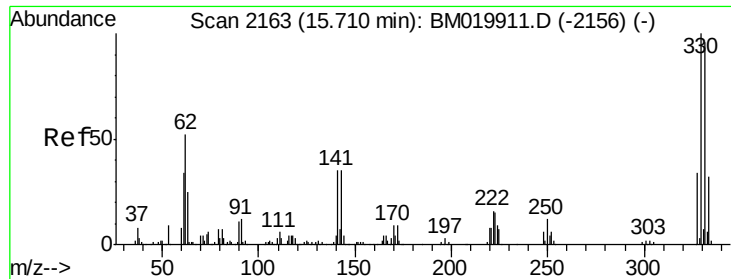
Ion Ratio Lower Upper

164 100

162 105.9 83.0 124.4

160 47.5 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 80.709 ng

RT: 15.67 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

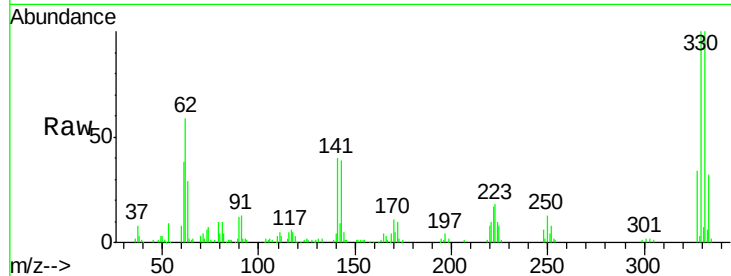
Tot Ion:330 Resp: 271653

Ion Ratio Lower Upper

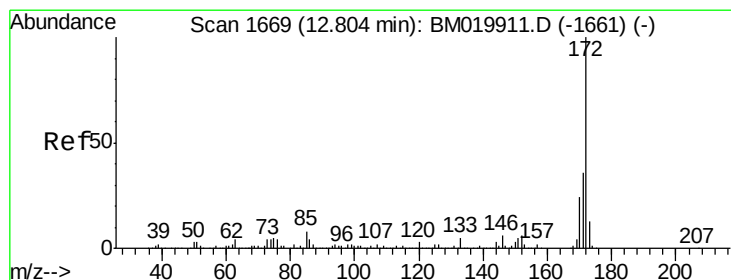
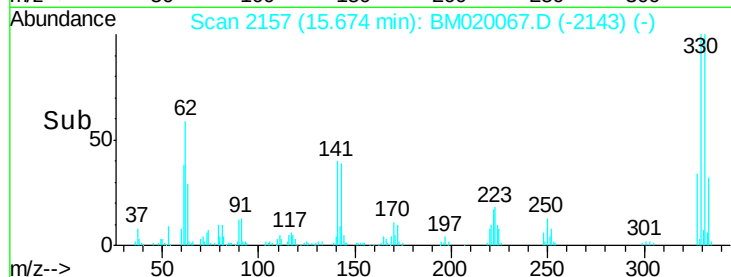
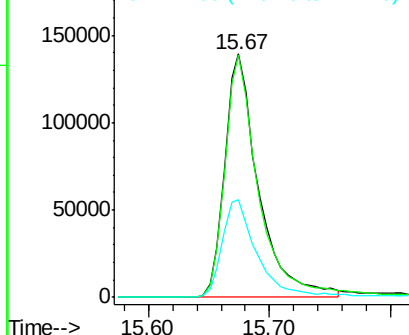
330 100

332 97.4 77.4 116.2

141 40.7 29.0 43.4



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: 63.973 ng

RT: 12.76 min Scan# 1662

Delta R.T. -0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

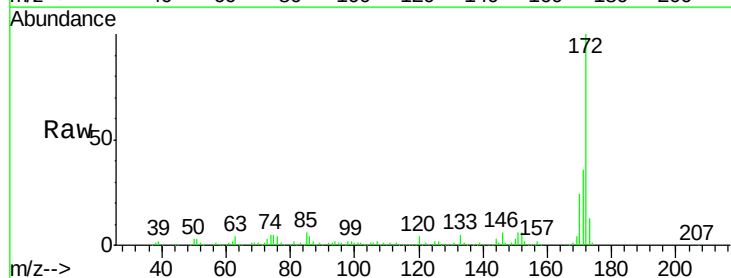
Tgt Ion:172 Resp: 1073350

Ion Ratio Lower Upper

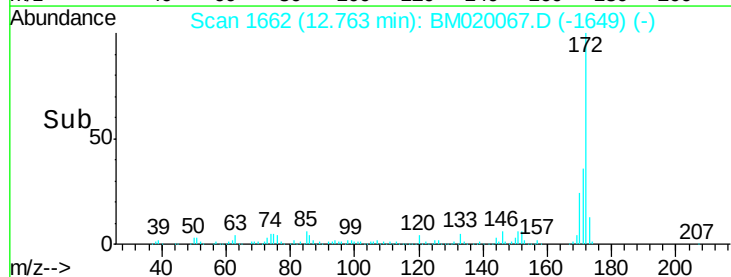
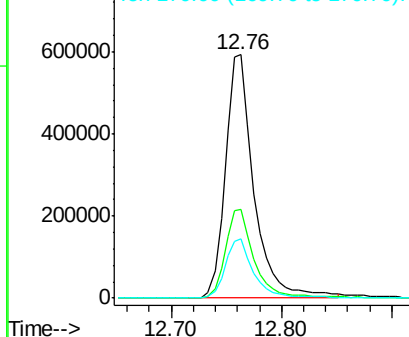
172 100

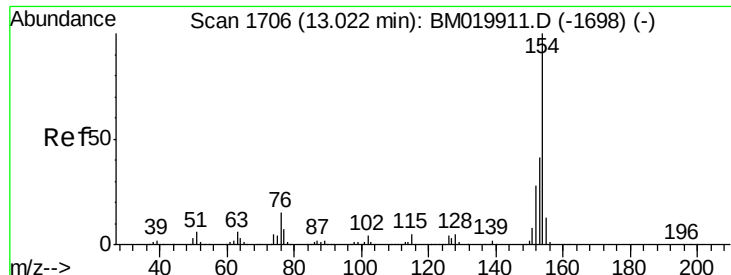
171 36.3 28.9 43.3

170 24.1 19.0 28.4



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

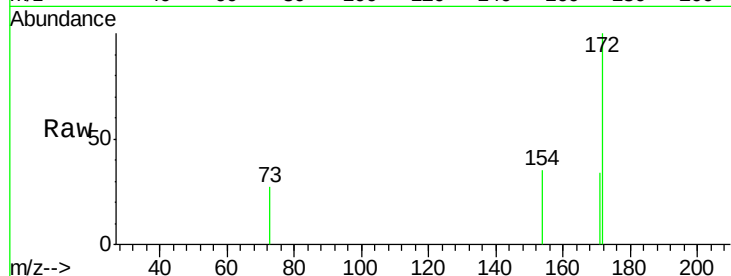




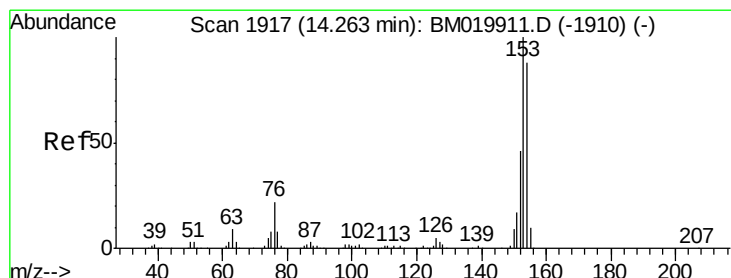
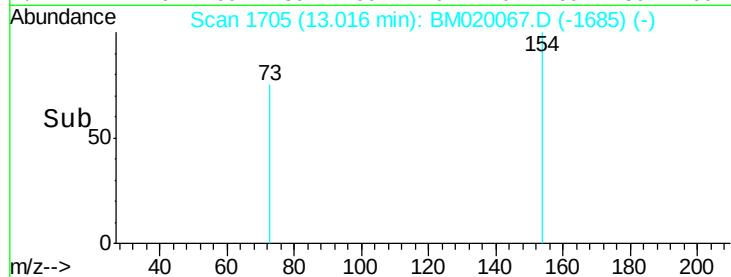
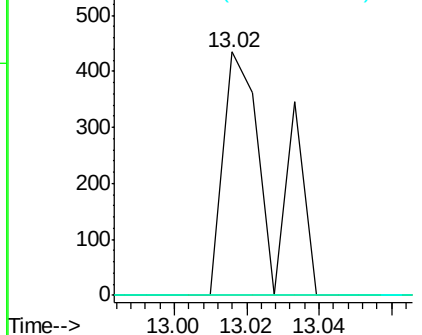
#46
 1,1'-Biphenyl
 Concen: 0.022 ng
 RT: 13.02 min Scan# 1705
 Delta R.T. 0.02 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	21.0	61.0#
76	0.0	0.0	34.8

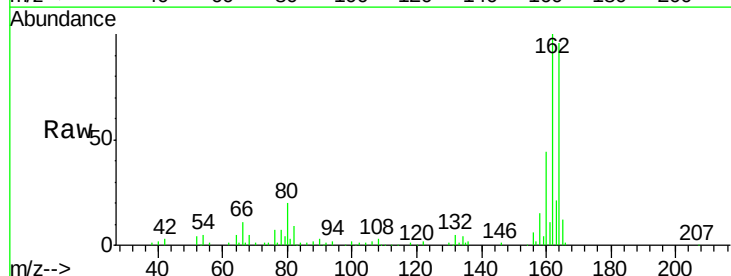


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM0

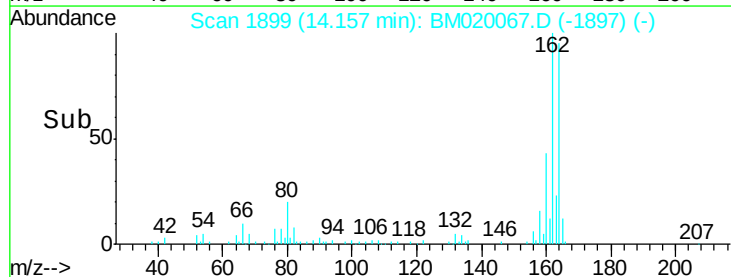
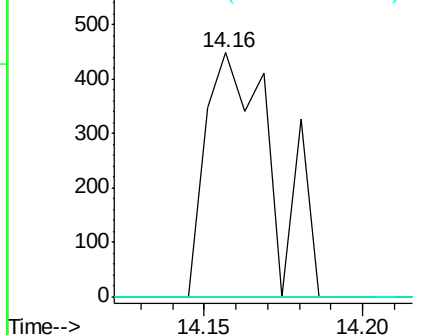


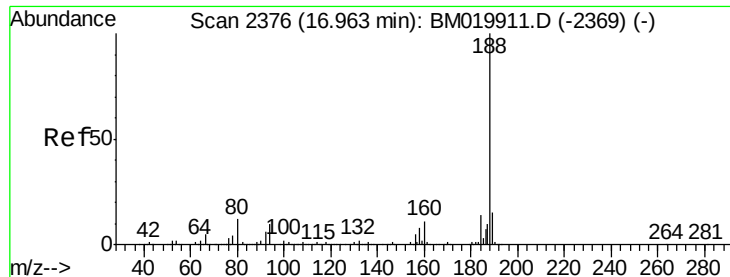
#52
 Acenaphthene
 Concen: 0.050 ng
 RT: 14.16 min Scan# 1899
 Delta R.T. -0.09 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	91.0	136.4#
152	0.0	42.2	63.2#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

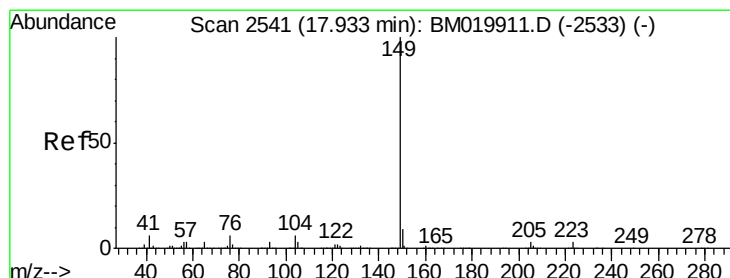
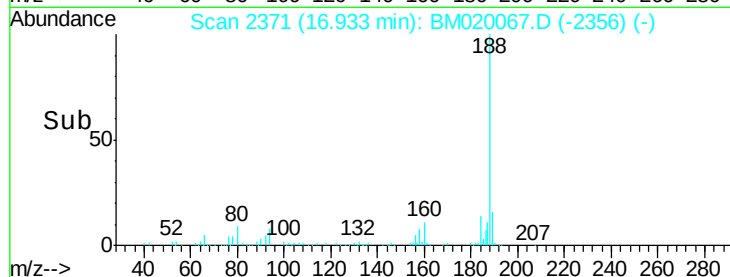
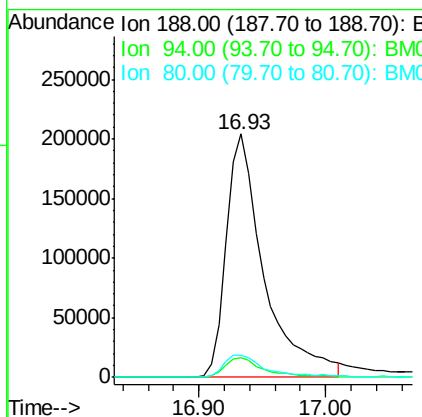
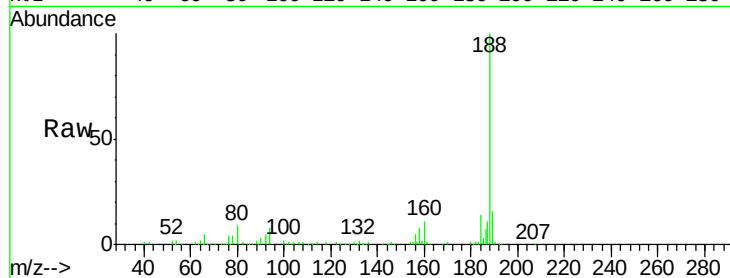




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.93 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

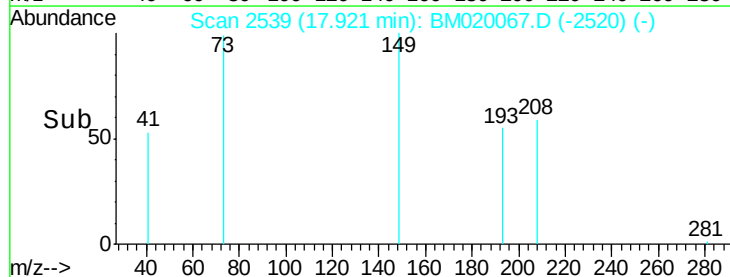
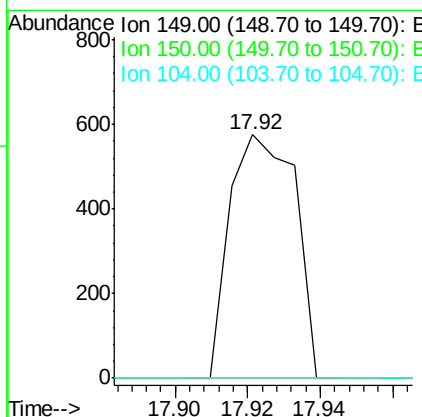
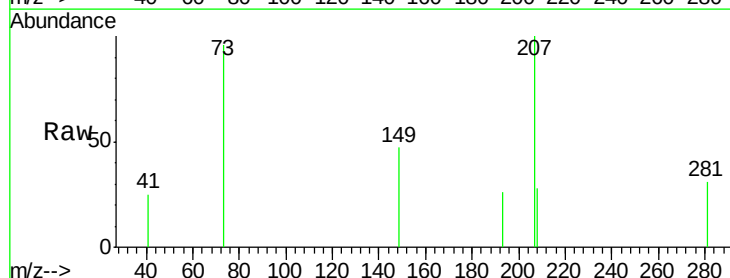
Instrument :
 BNA_M
 ClientSampled :

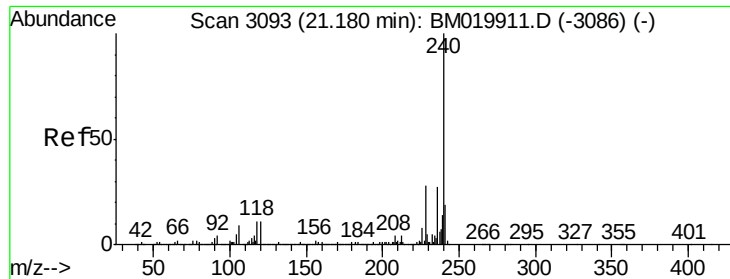
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.6	11.4
80	9.3	9.4	14.0#



#74
 Di-n-butylphthalate
 Concen: 0.024 ng
 RT: 17.92 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.2	10.8#
104	0.0	4.6	7.0#

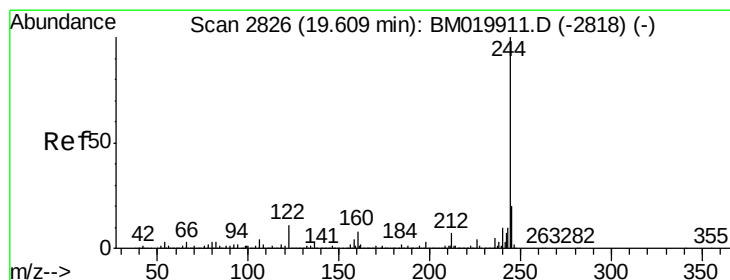
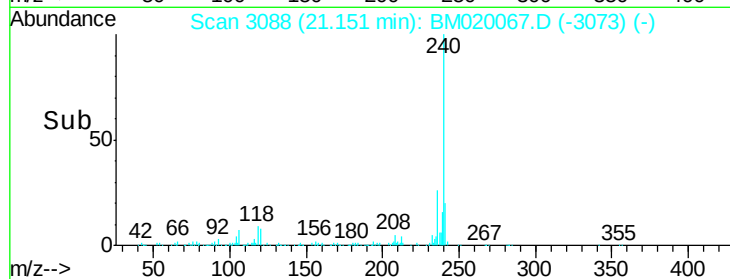
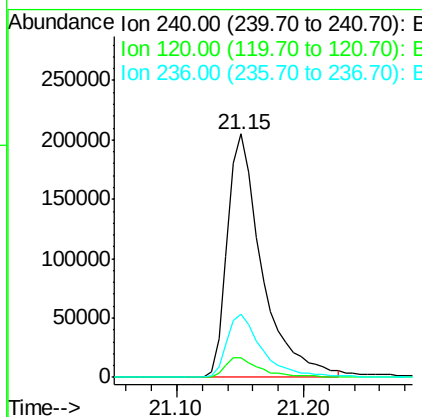
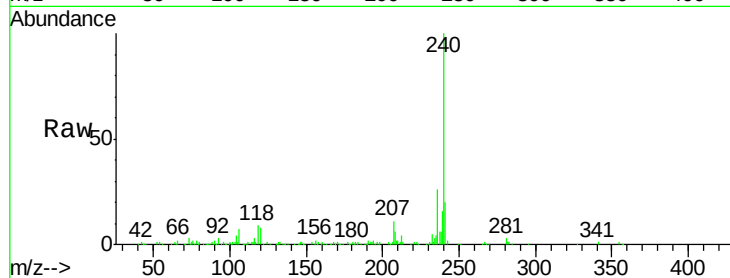




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

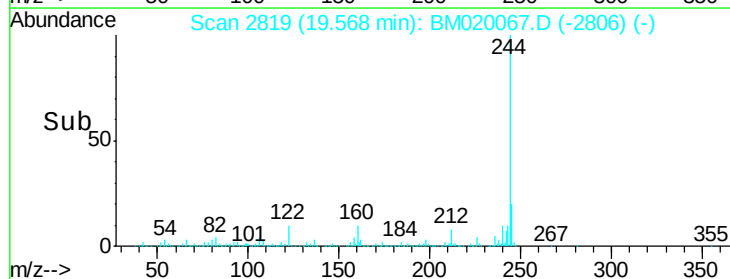
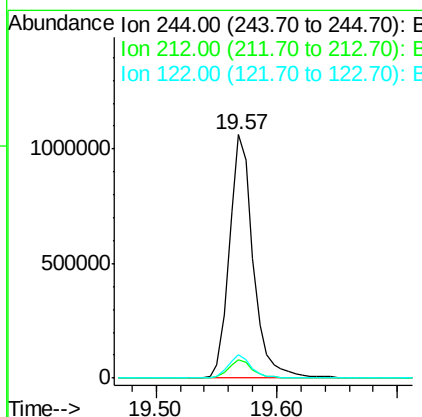
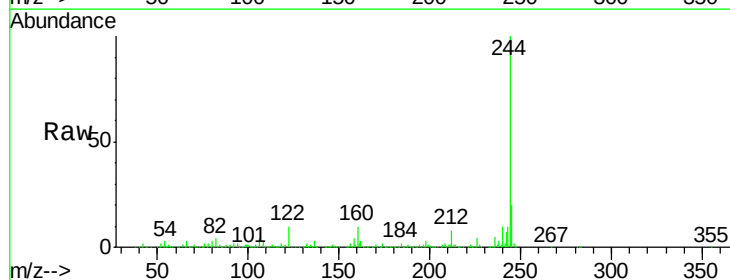
Instrument :
 BNA_M
 ClientSampleId :

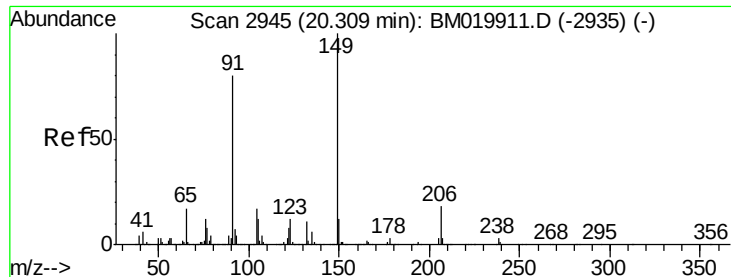
Tot Ion:240 Resp: 389405
 Ion Ratio Lower Upper
 240 100
 120 8.2 8.6 13.0#
 236 25.7 21.4 32.2



#79
 Terphenyl-d14
 Concen: 66.107 ng
 RT: 19.57 min Scan# 2819
 Delta R.T. -0.02 min
 Lab File: BM020067.D
 Acq: 24 Apr 2019 16:39

Tgt Ion:244 Resp: 1459471
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 9.6 9.1 13.7





#80

Butylbenzylphthalate

Concen: 0.010 ng

RT: 20.29 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BM020067.D

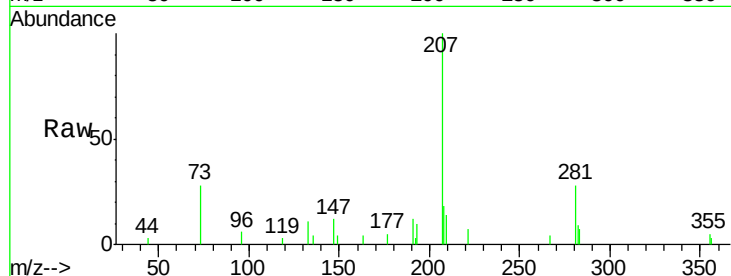
Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampled :

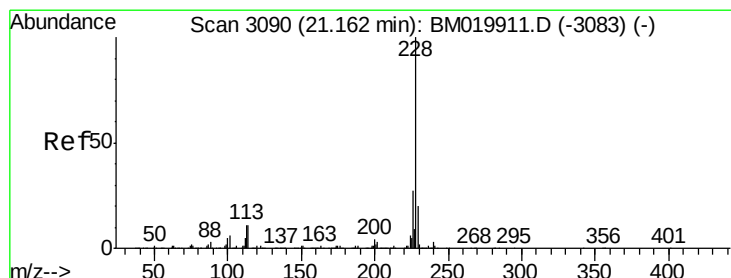
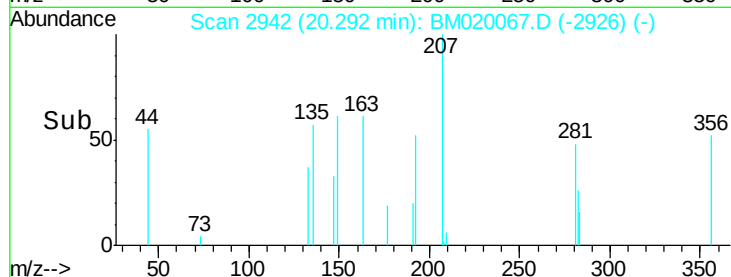
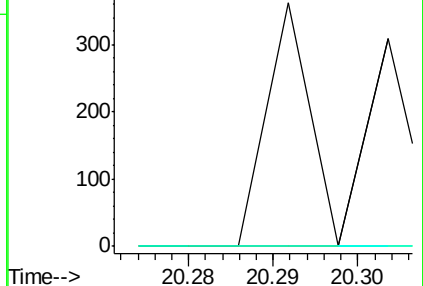
Tot Ion:	149	Resp:	128
Ion	Ratio	Lower	Upper
149	100		
91	0.0	63.7	95.5#
206	0.0	14.6	21.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#81

Benzo(a)anthracene

Concen: 0.060 ng

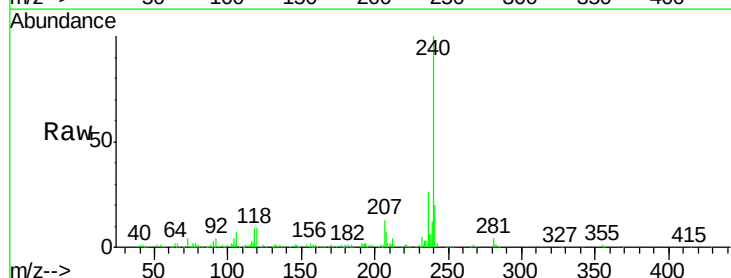
RT: 21.14 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

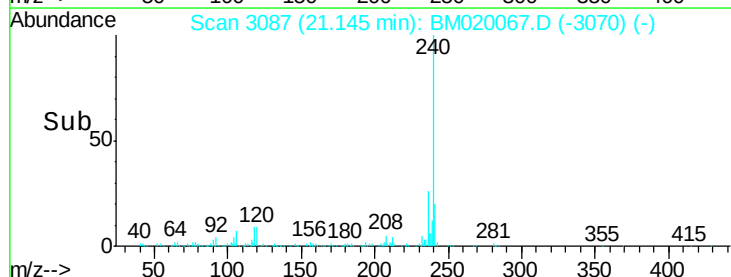
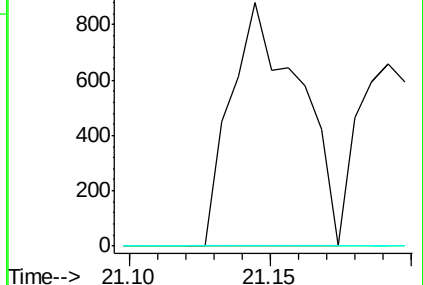
Tgt Ion:	228	Resp:	1490
Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.8	32.6#
229	0.0	15.9	23.9#

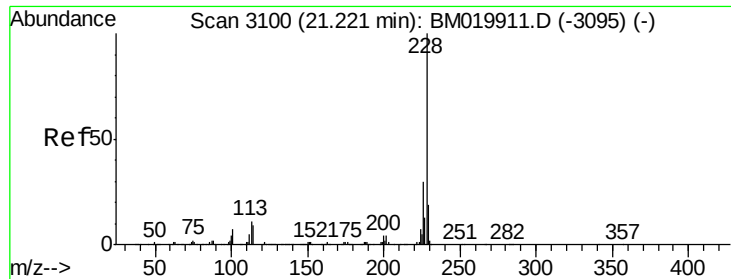


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 0.044 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

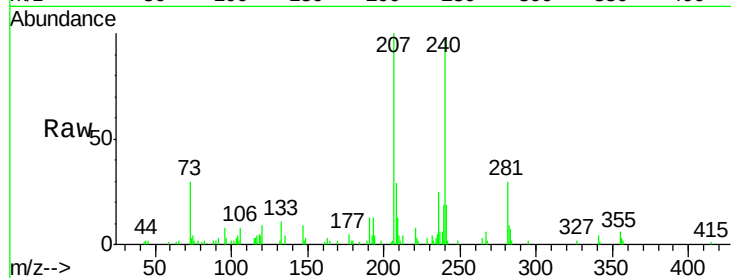
Tot Ion:228 Resp: 1051

Ion Ratio Lower Upper

228 100

226 0.0 23.7 35.5#

229 0.0 15.6 23.4#

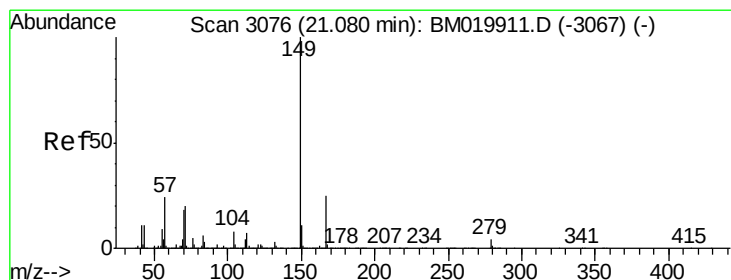
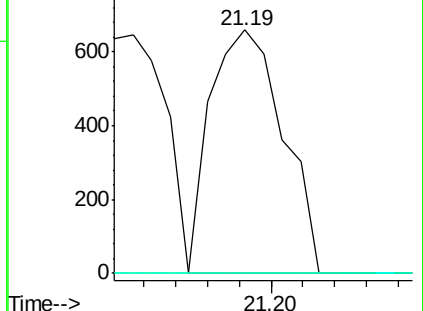
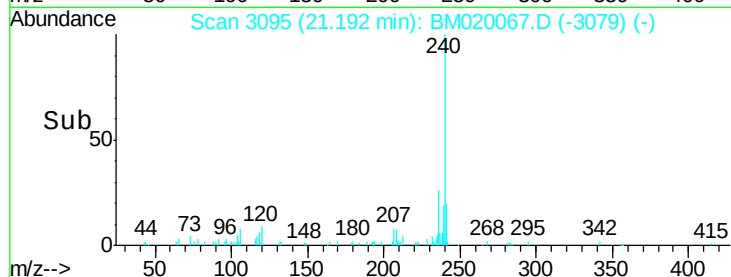


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.098 ng

RT: 21.05 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

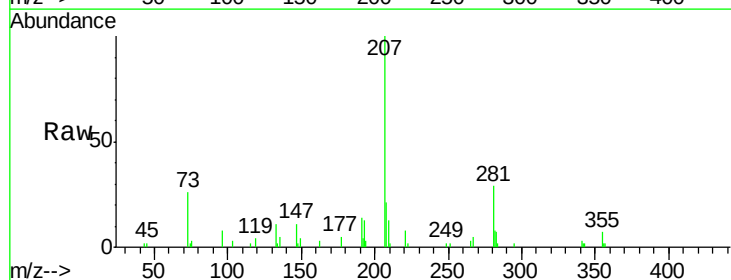
Tgt Ion:149 Resp: 1828

Ion Ratio Lower Upper

149 100

167 0.0 20.3 30.5#

279 0.0 3.4 5.2#

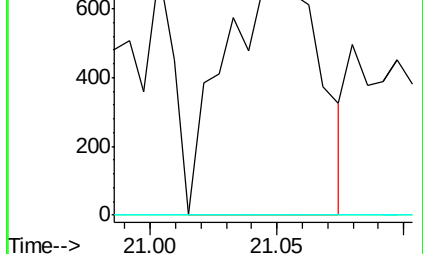
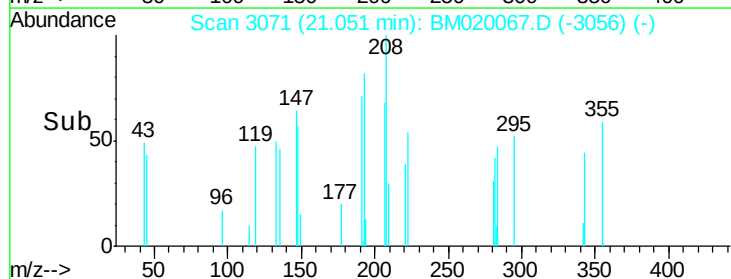


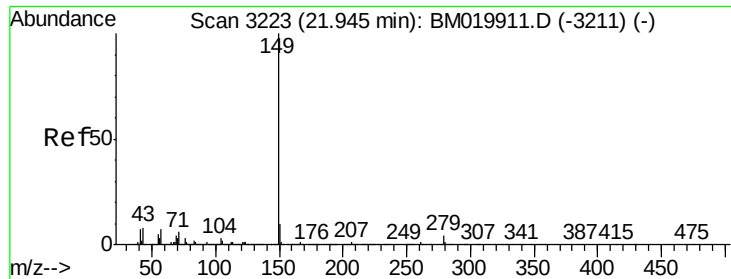
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





#85

Di-n-octyl phthalate

Concen: 0.003 ng

RT: 21.90 min Scan# 3215

Delta R.T. -0.03 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

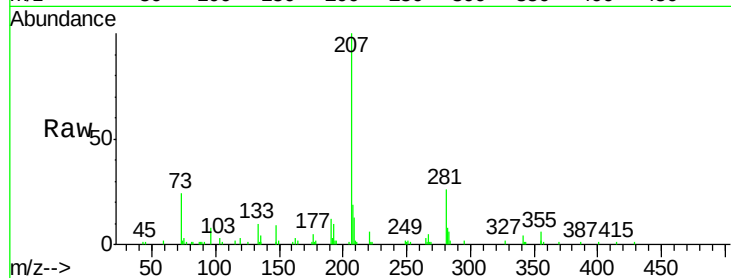
Tot Ion:149 Resp: 97

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

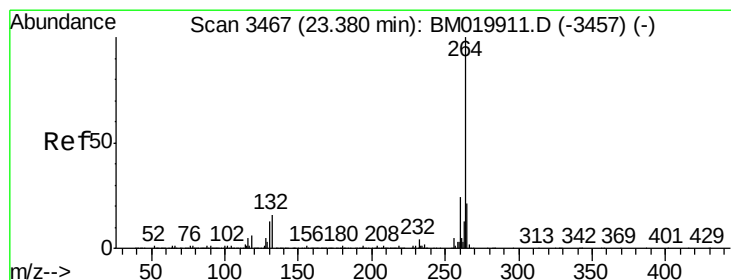
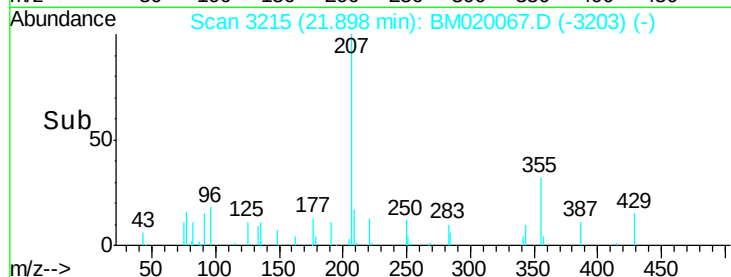
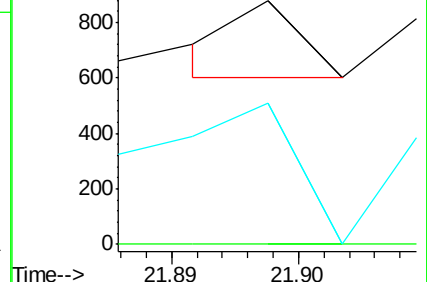
43 0.0 6.0 9.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.33 min Scan# 3459

Delta R.T. -0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

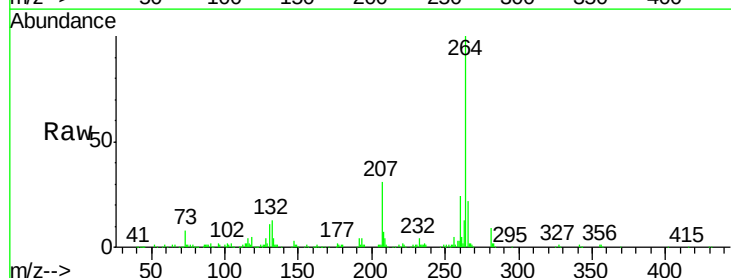
Tgt Ion:264 Resp: 394850

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

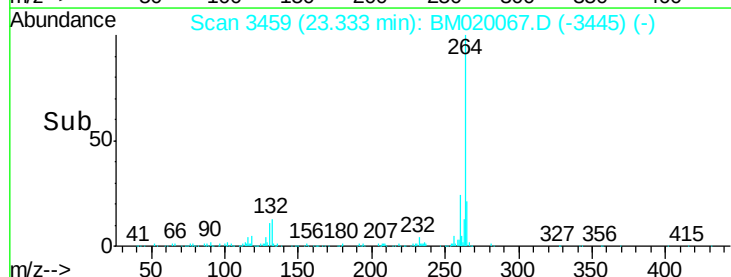
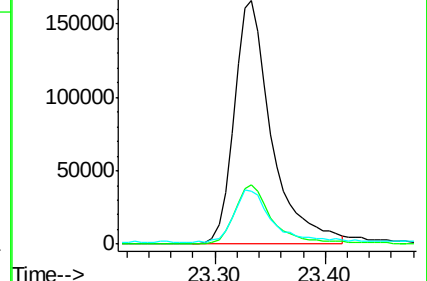
265 21.7 17.2 25.8

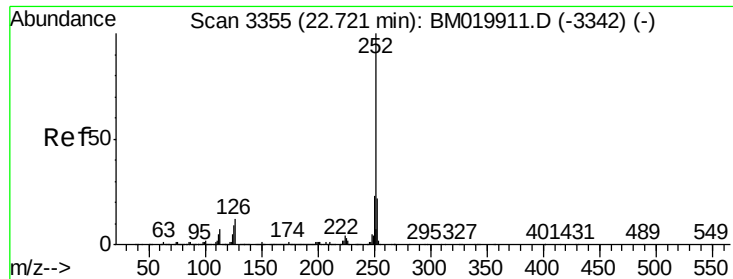


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.027 ng

RT: 22.72 min Scan# 3355

Delta R.T. 0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

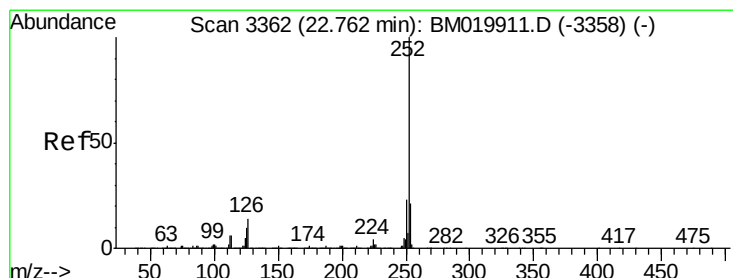
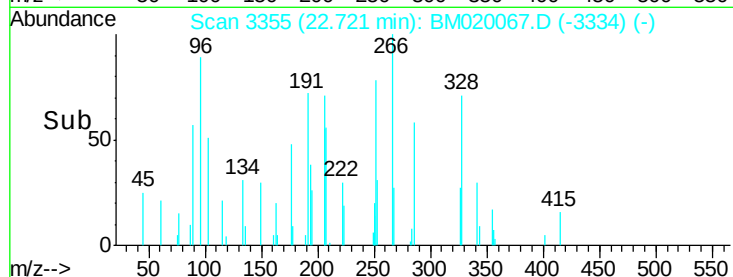
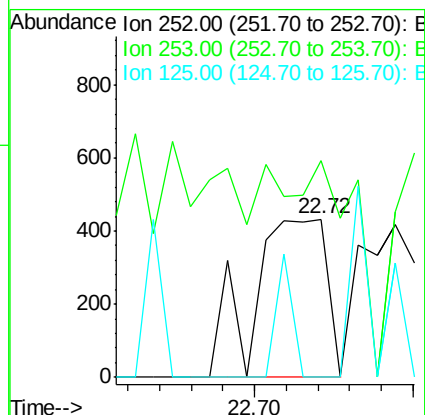
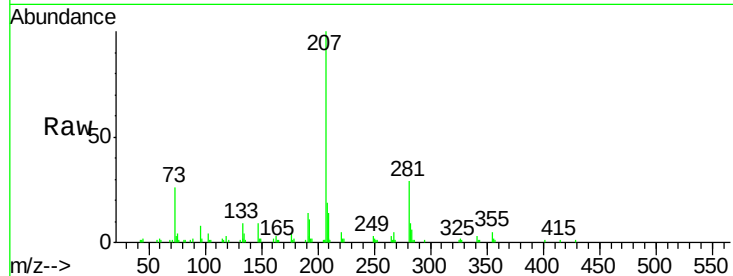
Tot Ion:252 Resp: 698

Ion Ratio Lower Upper

252 100

253 136.8 17.5 26.3#

125 0.0 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 0.028 ng

RT: 22.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

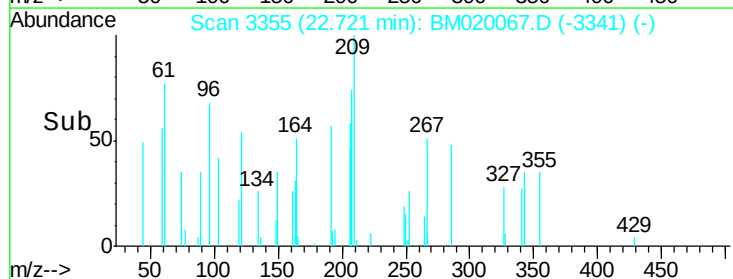
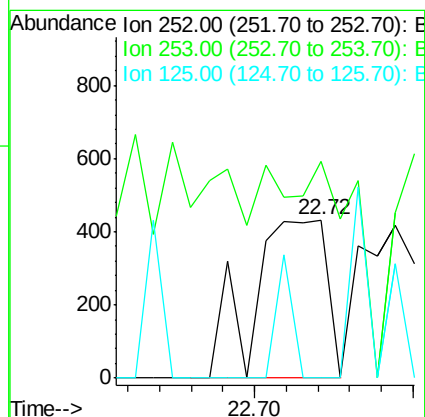
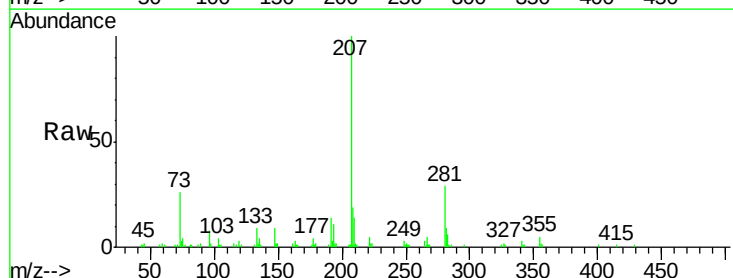
Tgt Ion:252 Resp: 698

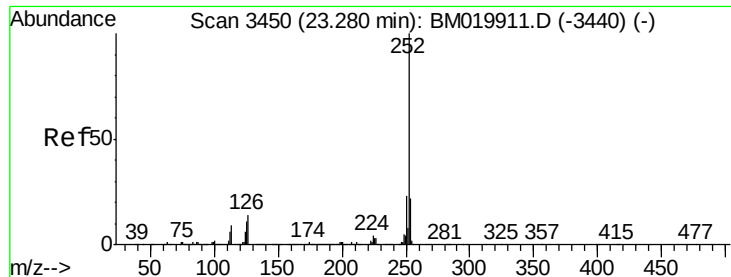
Ion Ratio Lower Upper

252 100

253 136.8 17.3 25.9#

125 0.0 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 0.005 ng

RT: 23.23 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BM020067.D

Acq: 24 Apr 2019 16:39

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 127

Ion Ratio Lower Upper

252 100

253 120.5 17.8 26.8#

125 83.4 9.1 13.7#

