

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016079.D
 Acq On : 26 Jul 2018 19:22
 Operator : SJ/JU
 Sample : PB111458BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 04:58:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

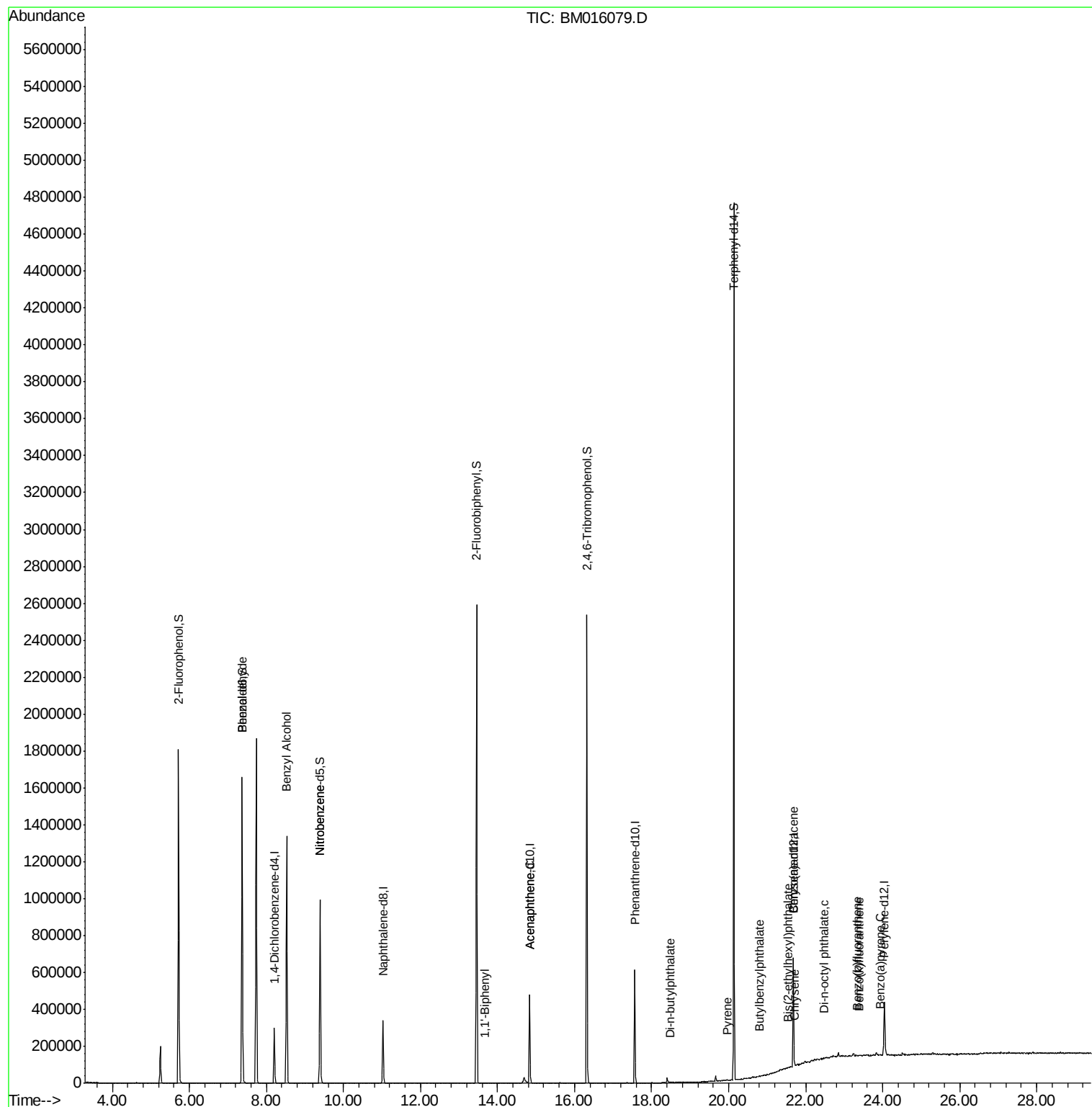
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	62555	20.00	ng	-0.03
21) Naphthalene-d8	11.03	136	238120	20.00	ng	-0.03
38) Acenaphthene-d10	14.83	164	133772	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	293880	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	233904	20.00	ng	-0.02
86) Perylene-d12	24.04	264	188994	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	563080	149.52	ng	-0.02
7) Phenol-d6	7.37	99	661466	134.50	ng	-0.02
23) Nitrobenzene-d5	9.39	82	487552	95.23	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	261565	154.16	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1005566	91.46	ng	-0.02
78) Terphenyl-d14	20.14	244	1605453	143.68	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.37	77	1866	0.540	ng	# 2
15) Benzyl Alcohol	8.53	79	8705	2.223	ng	# 41
24) Nitrobenzene	9.39	77	2472	0.480	ng	# 33
45) 1,1'-Biphenyl	13.67	154	1025	0.085	ng	# 42
51) Acenaphthene	14.83	154	285	0.034	ng	# 5
73) Di-n-butylphthalate	18.49	149	943	0.046	ng	# 78
77) Pyrene	19.97	202	223	0.016	ng	# 57
79) Butylbenzylphthalate	20.80	149	201	0.028	ng	# 28
80) Benzo(a)anthracene	21.69	228	969	0.067	ng	# 51
82) Chrysene	21.72	228	270	0.020	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.56	149	1288	0.125	ng	# 94
84) Di-n-octyl phthalate	22.46	149	662	0.038	ng	# 78
87) Benzo(b)fluoranthene	23.35	252	918	0.082	ng	# 1
88) Benzo(k)fluoranthene	23.39	252	252	0.022	ng	# 1
89) Benzo(a)pyrene	23.94	252	134	0.013	ng	# 1

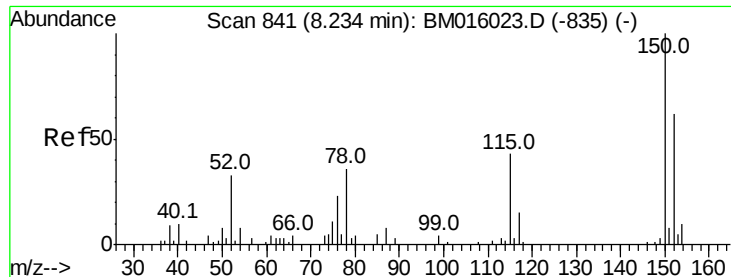
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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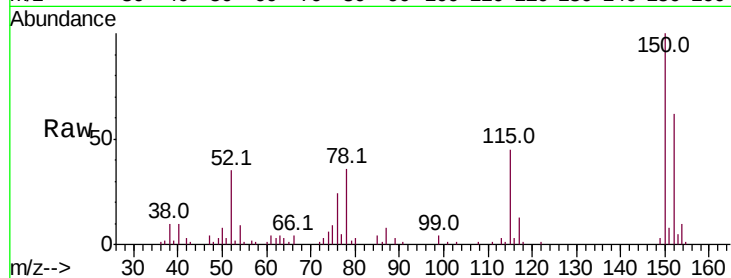


#1

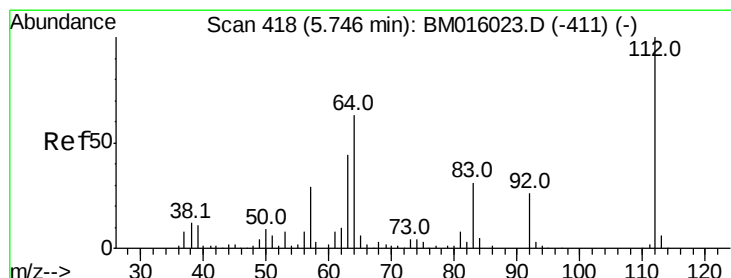
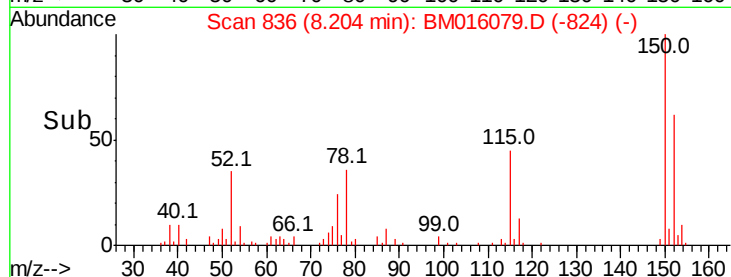
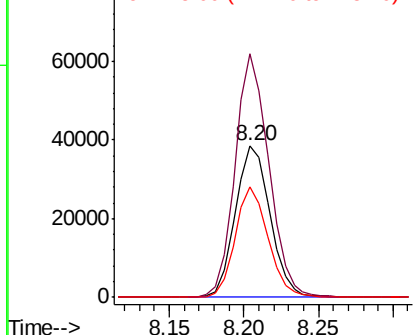
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 62555
Ion Ratio Lower Upper
152 100
150 160.7 119.5 179.3
115 72.7 43.0 64.4#



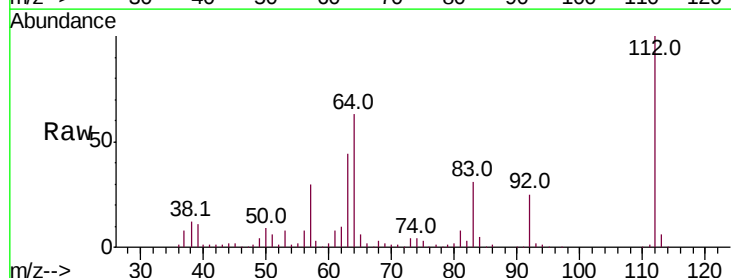
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



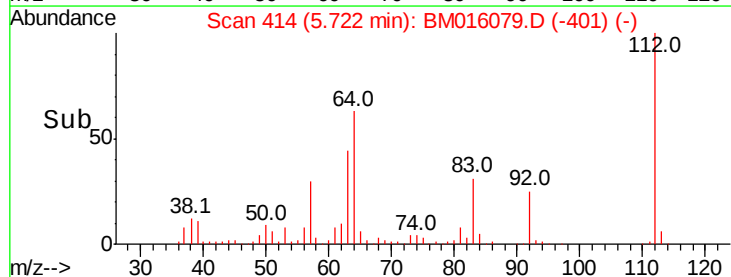
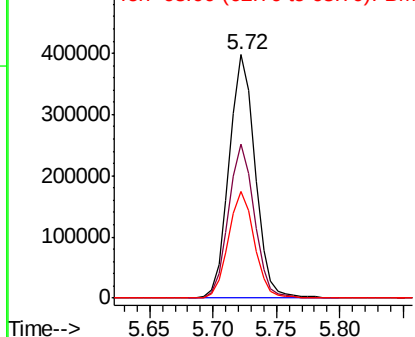
#5

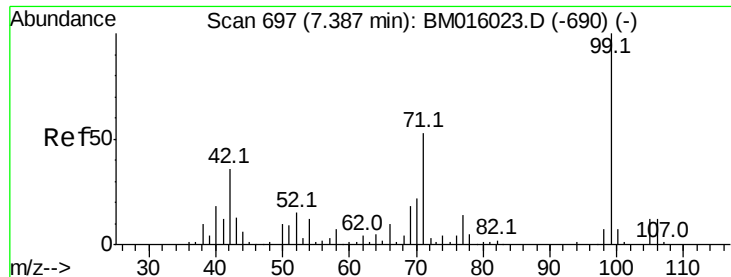
2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Tgt Ion:112 Resp: 563080
Ion Ratio Lower Upper
112 100
64 63.2 38.6 57.8#
63 43.6 19.3 28.9#



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: N.D. ng

RT: 7.37 min Scan# 694

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampled :

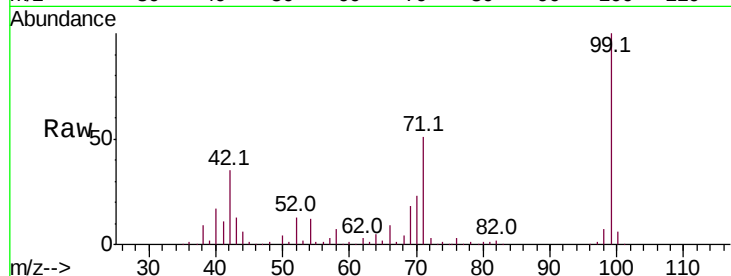
Tot Ion: 99 Resp: 661466

Ion Ratio Lower Upper

99 100

42 35.1 11.0 16.4#

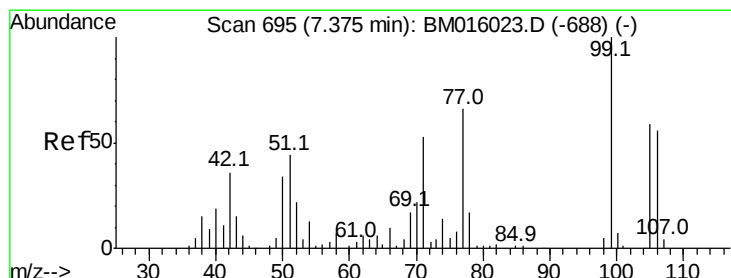
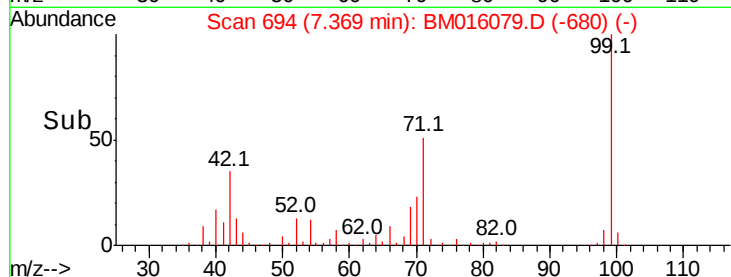
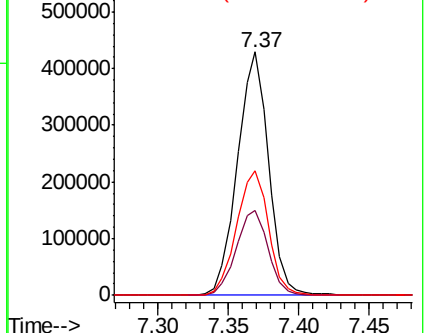
71 50.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#9

Benzaldehyde

Concen: 0.540 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

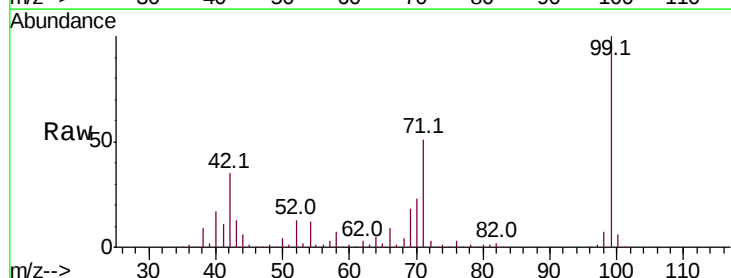
Tgt Ion: 77 Resp: 1866

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

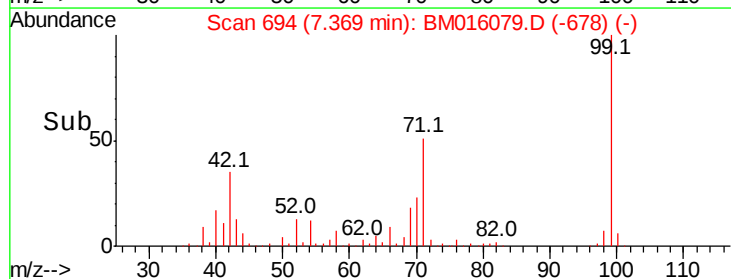
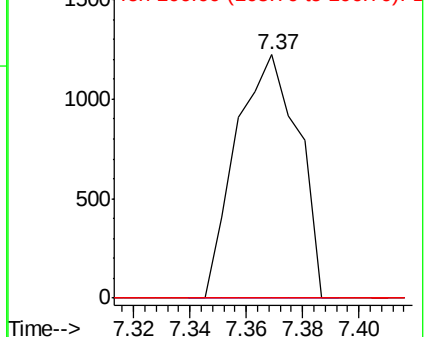
106 0.0 73.7 113.7#

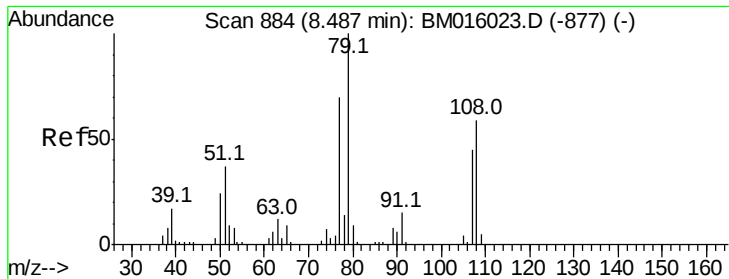


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-688) (-)

Ion 105.00 (104.70 to 105.70): BM016023.D (-688) (-)

Ion 106.00 (105.70 to 106.70): BM016023.D (-688) (-)





#15

Benzyl Alcohol

Concen: 2.223 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampled :

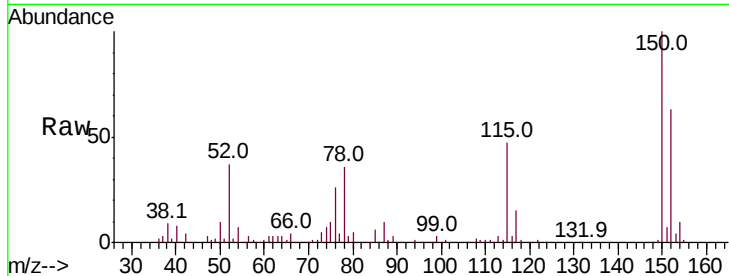
Tot Ion: 79 Resp: 8705

Ion Ratio Lower Upper

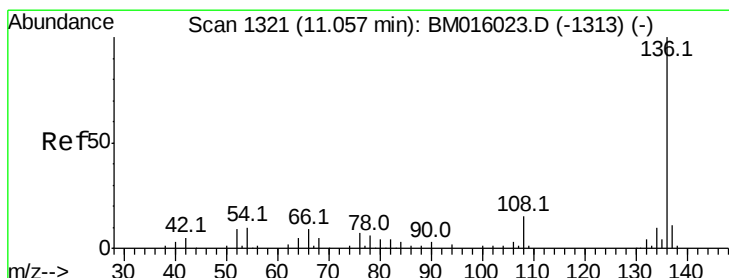
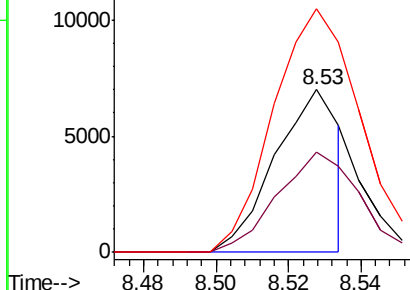
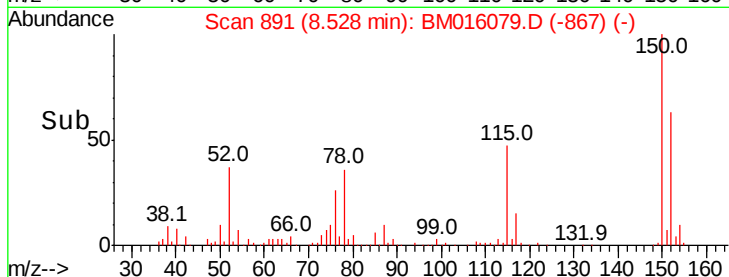
79 100

108 61.5 65.0 97.4#

77 149.7 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016079.D (-867) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.03 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Tgt Ion: 136 Resp: 238120

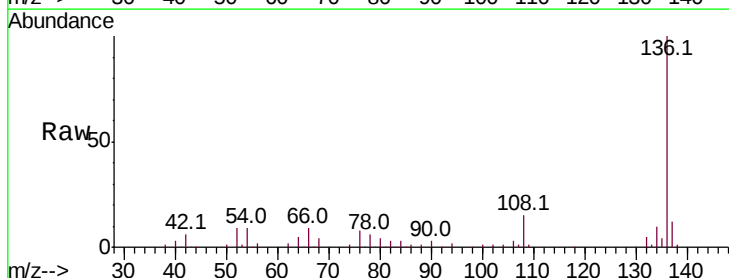
Ion Ratio Lower Upper

136 100

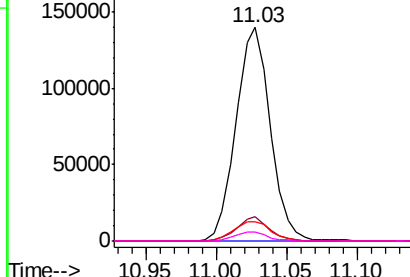
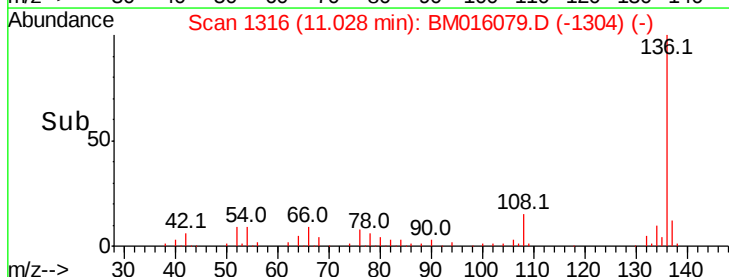
137 11.5 8.7 13.1

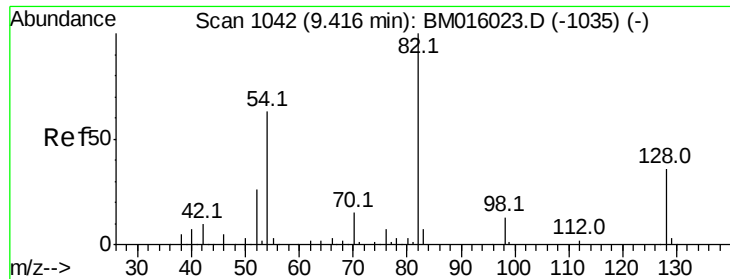
54 9.2 4.6 6.8#

68 4.1 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM016079.D (-1304) (-)

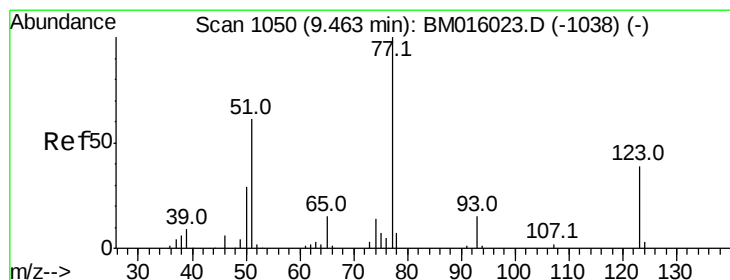
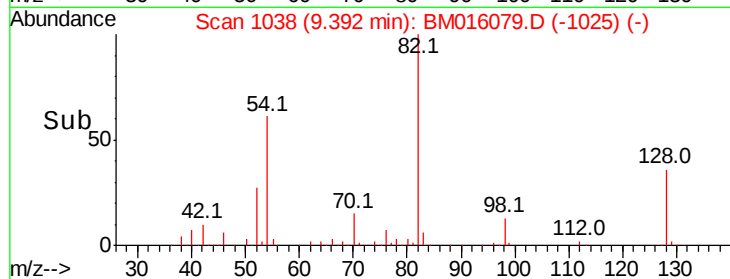
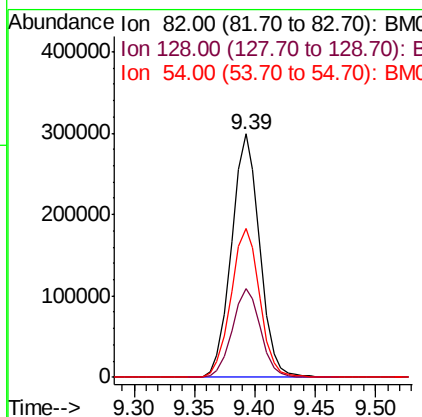
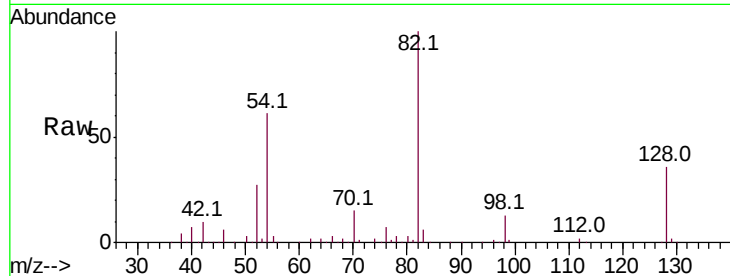




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.39 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BM016079.D
 Acq: 26 Jul 2018 19:22

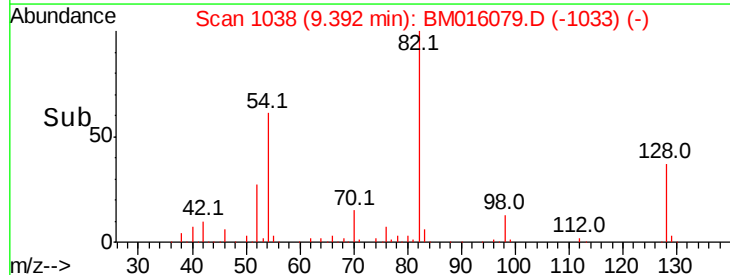
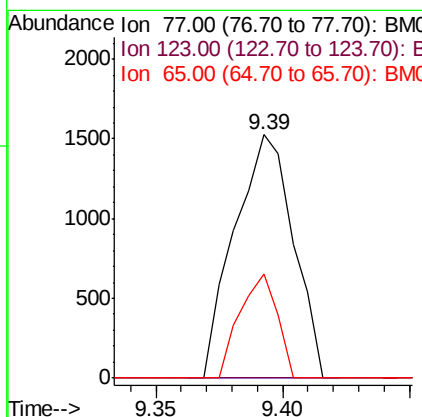
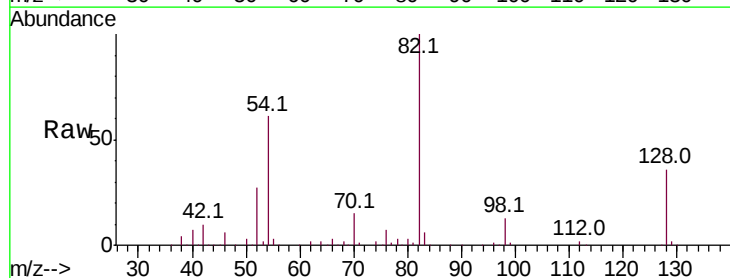
Instrument :
 BNA_M
 ClientSampleId :

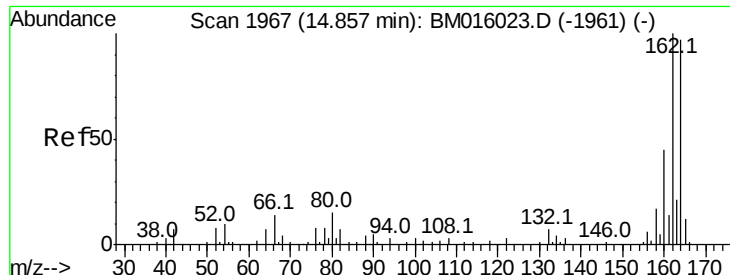
Tot Ion	82	Resp	487552
Ion Ratio	100	Lower	Upper
128	36.4	32.8	49.2
54	61.2	40.6	60.8#



#24
 Nitrobenzene
 Concen: 0.480 ng
 RT: 9.39 min Scan# 1038
 Delta R.T. -0.07 min
 Lab File: BM016079.D
 Acq: 26 Jul 2018 19:22

Tgt Ion	77	Resp	2472
Ion Ratio	100	Lower	Upper
123	0.0	32.6	49.0#
65	42.6	10.9	16.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampleId :

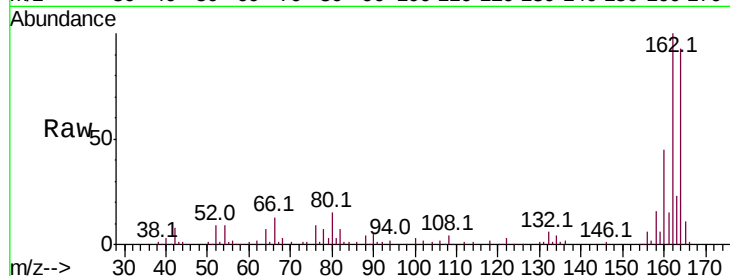
Tot Ion:164 Resp: 133772

Ion Ratio Lower Upper

164 100

162 108.1 82.4 123.6

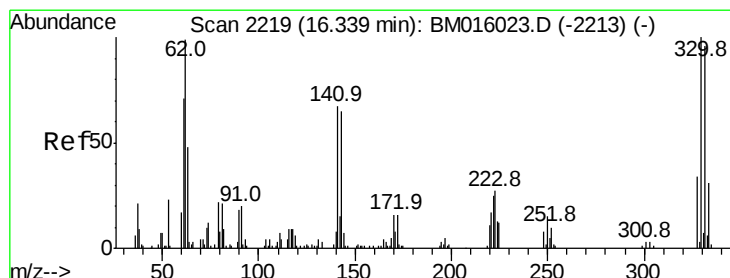
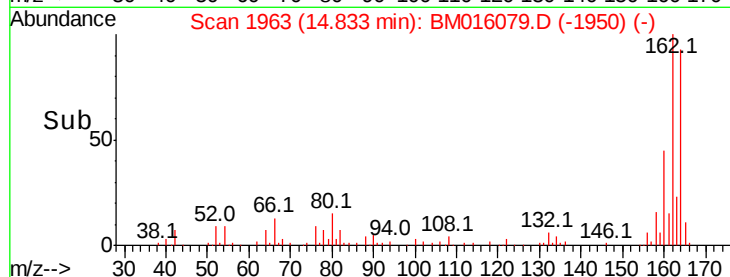
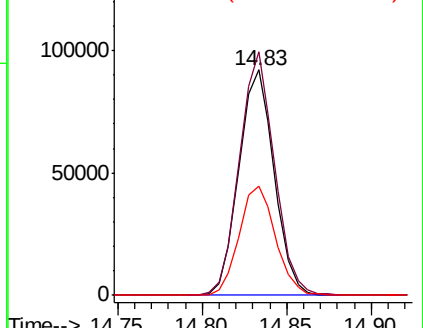
160 48.4 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.32 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

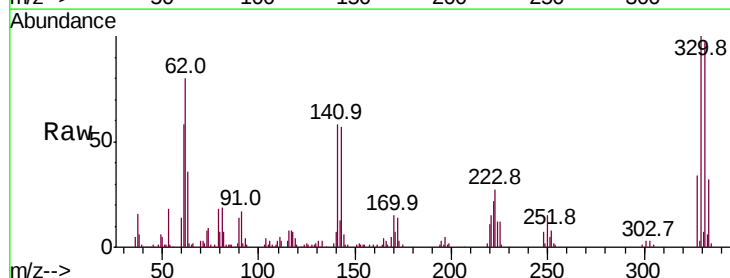
Tgt Ion:330 Resp: 261565

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

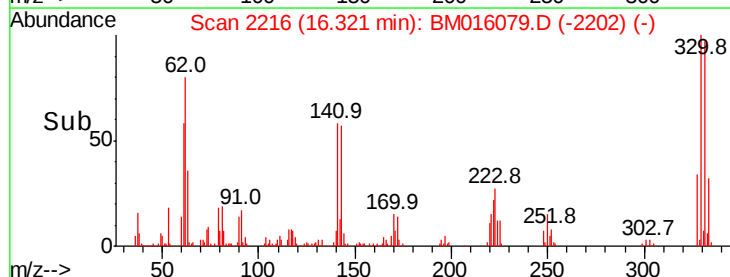
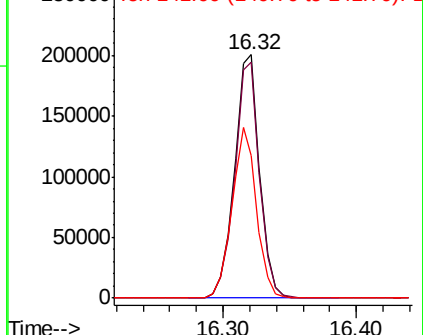
141 68.9 0.0 0.0#

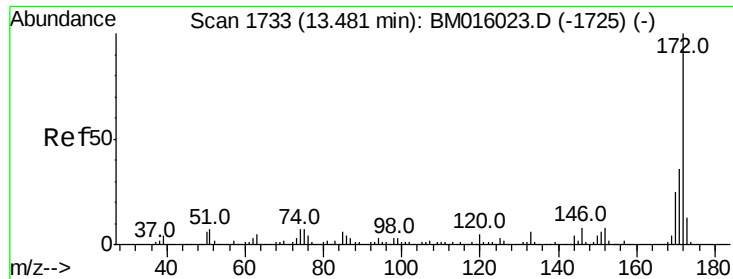


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



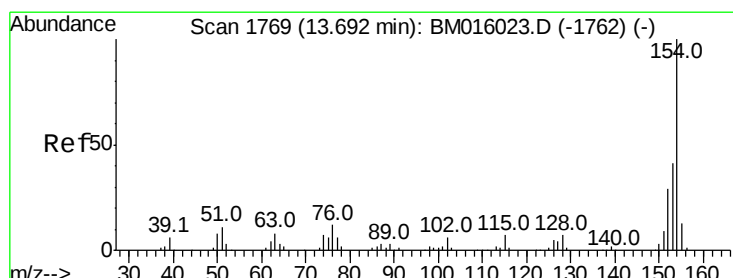
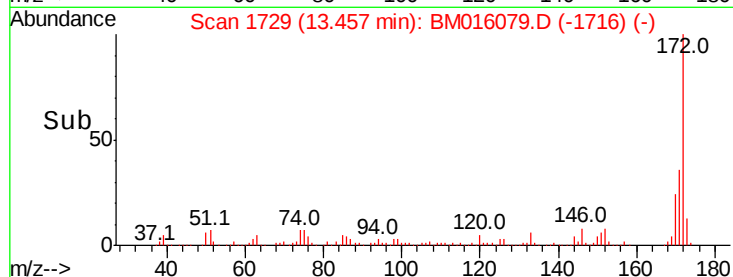
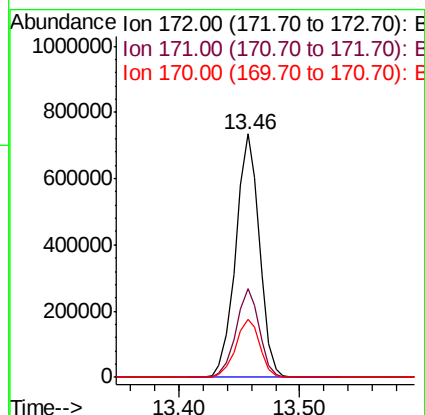
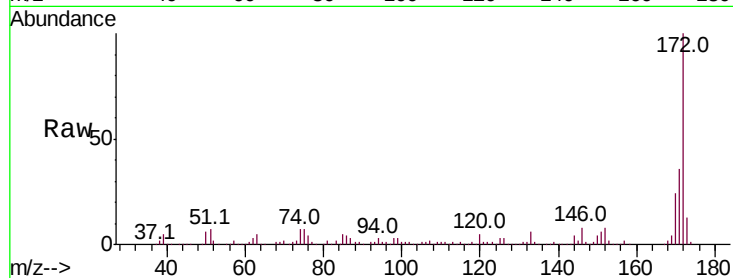


#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.46 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BM016079.D
 Acq: 26 Jul 2018 19:22

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 1005566

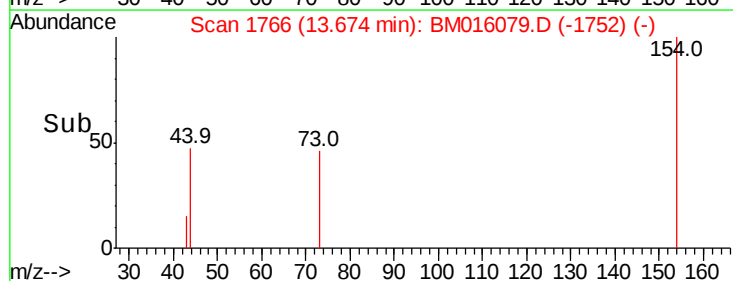
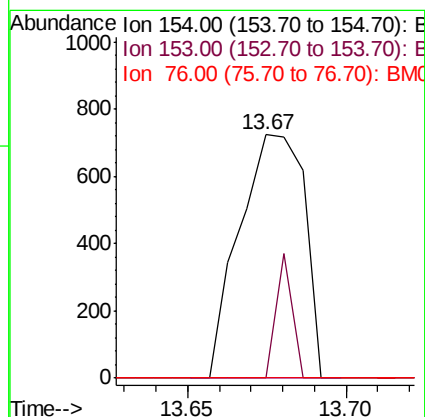
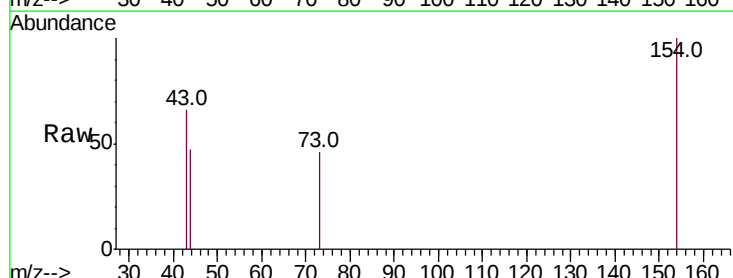
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.5	42.7
170	23.9	18.8	28.2

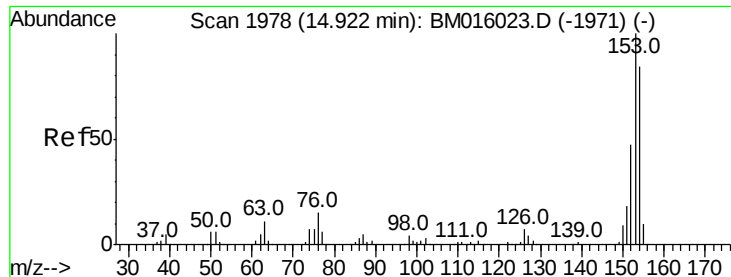


#45
 1,1'-Biphenyl
 Concen: 0.085 ng
 RT: 13.67 min Scan# 1766
 Delta R.T. -0.02 min
 Lab File: BM016079.D
 Acq: 26 Jul 2018 19:22

Tgt Ion:154 Resp: 1025

Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.7	60.7#
76	0.0	0.0	30.9





#51

Acenaphthene

Concen: 0.034 ng

RT: 14.83 min Scan# 1962

Delta R.T. -0.09 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampleId :

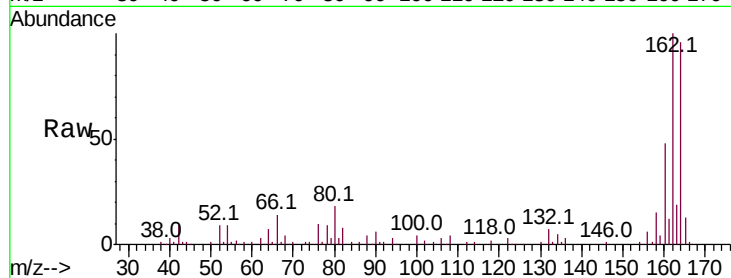
Tot Ion:154 Resp: 285

Ion Ratio Lower Upper

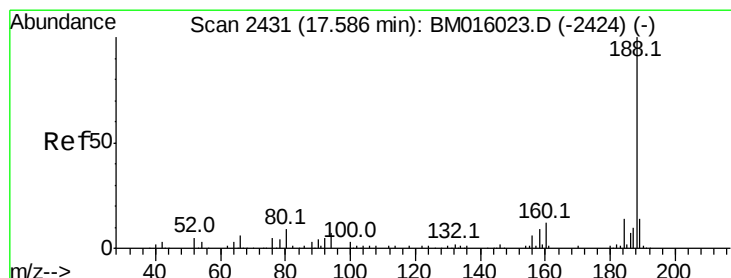
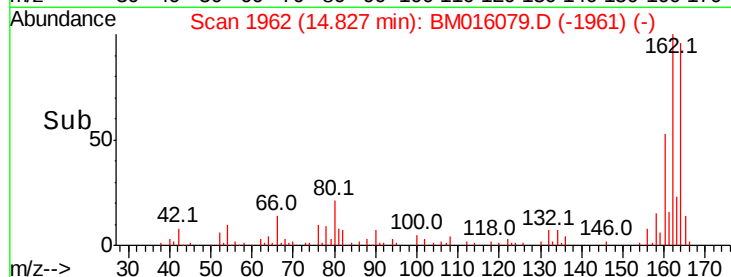
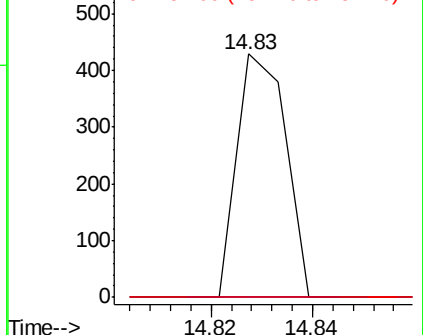
154 100

153 0.0 90.0 135.0#

152 0.0 42.6 63.8#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.56 min Scan# 2427

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

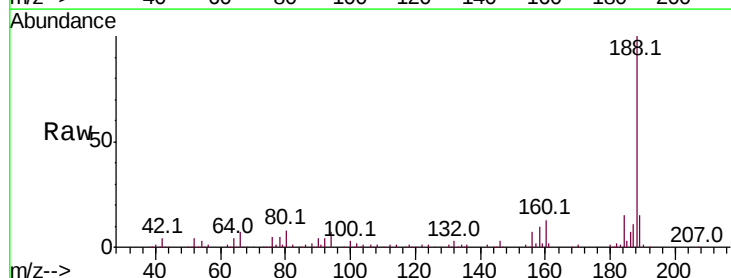
Tgt Ion:188 Resp: 293880

Ion Ratio Lower Upper

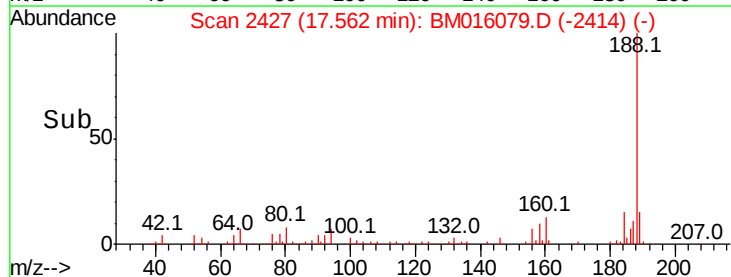
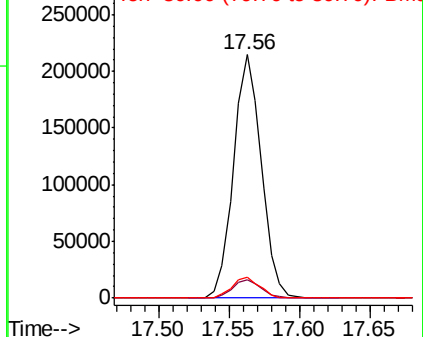
188 100

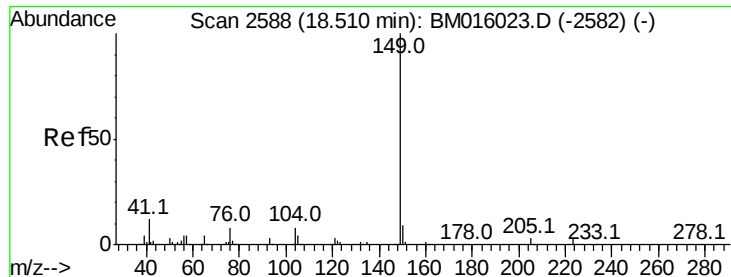
94 7.4 8.7 13.1#

80 8.4 9.3 13.9#



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

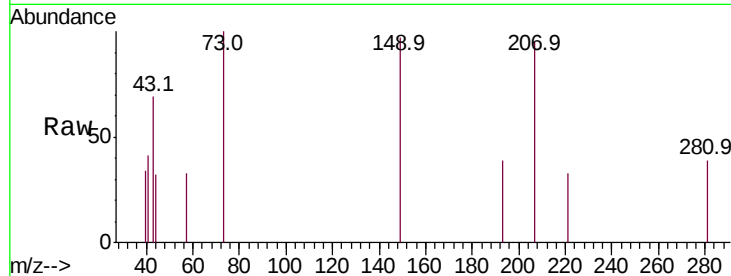




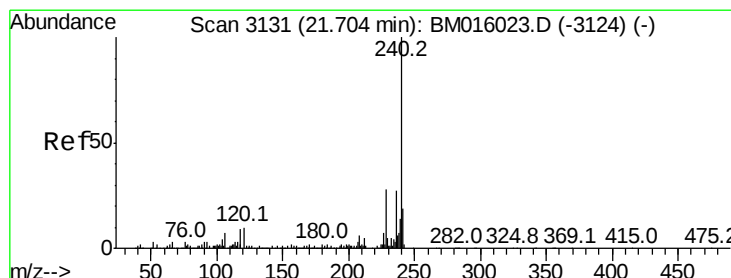
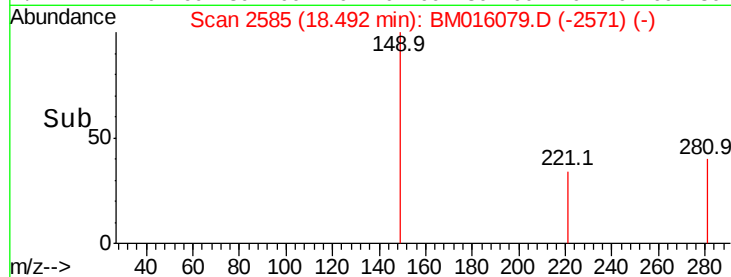
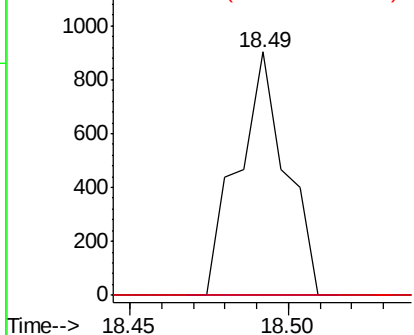
#73
Di-n-butylphthalate
Concen: 0.046 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 943
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#

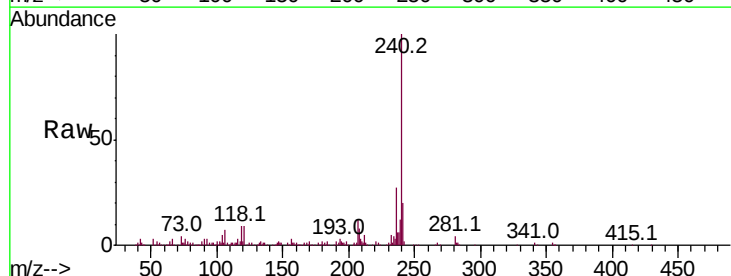


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

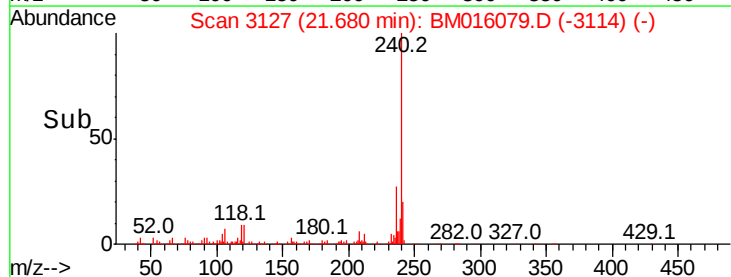
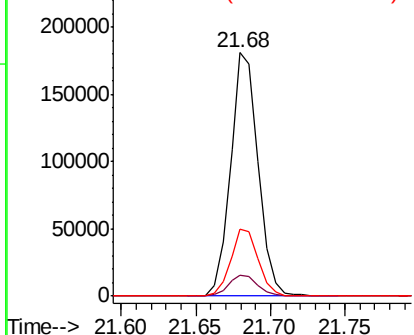


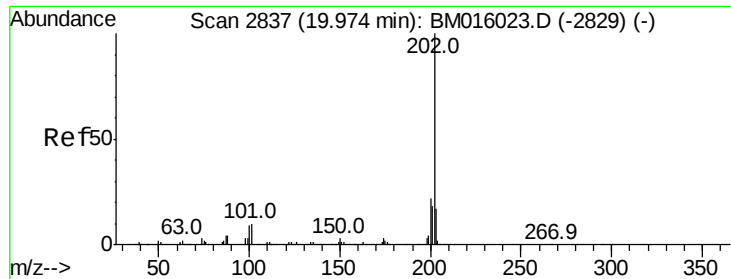
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Tgt Ion:240 Resp: 233904
Ion Ratio Lower Upper
240 100
120 8.8 8.2 12.2
236 27.4 20.0 30.0



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

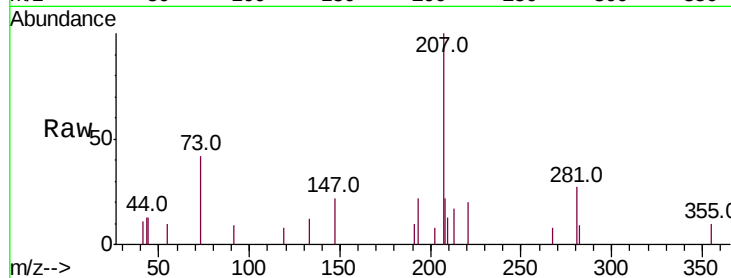




#77
Pvrene
Concen: 0.016 ng
RT: 19.97 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 223
Ion Ratio Lower Upper
202 100
200 0.0 16.9 25.3#
203 0.0 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

19.97

400

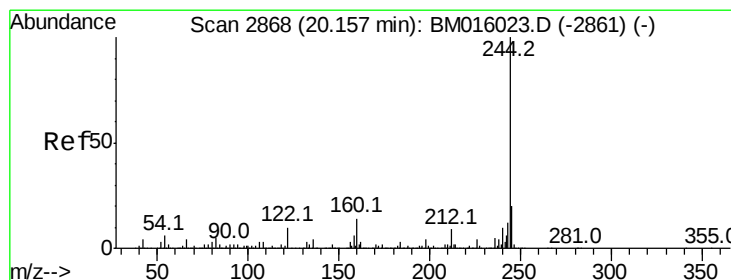
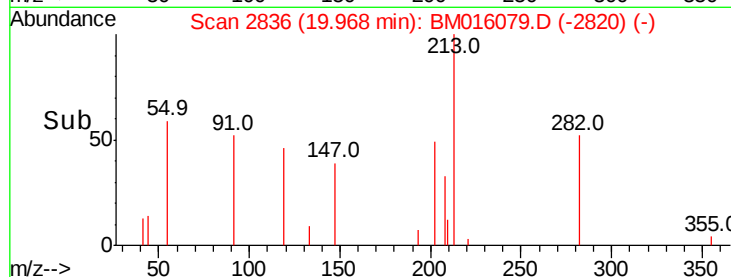
300

200

100

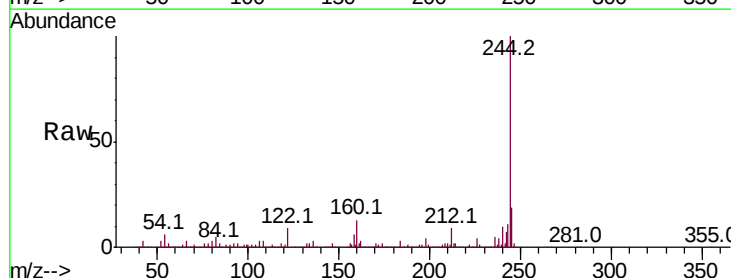
0

Time--> 19.94 19.96 19.98



#78
Terphenyl-d14
Concen: 0.016 ng
RT: 20.14 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Tgt Ion:244 Resp: 1605453
Ion Ratio Lower Upper
244 100
212 9.3 4.9 7.3#
122 8.8 6.2 9.4



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

20.14

2000000

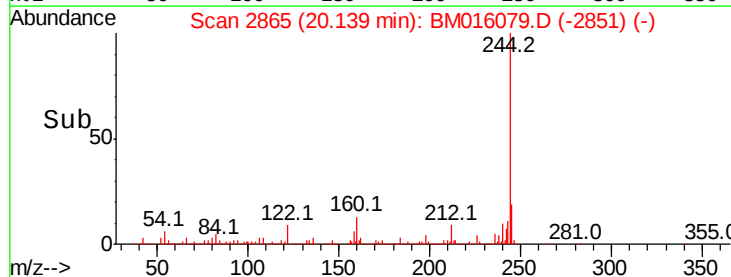
1500000

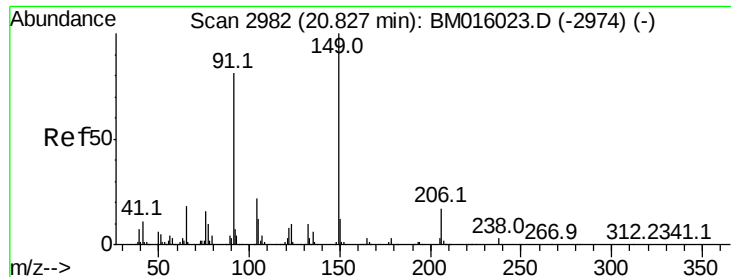
1000000

500000

0

Time--> 20.10 20.20





#79

Butylbenzylphthalate

Concen: 0.028 ng

RT: 20.80 min Scan# 2978

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampleID :

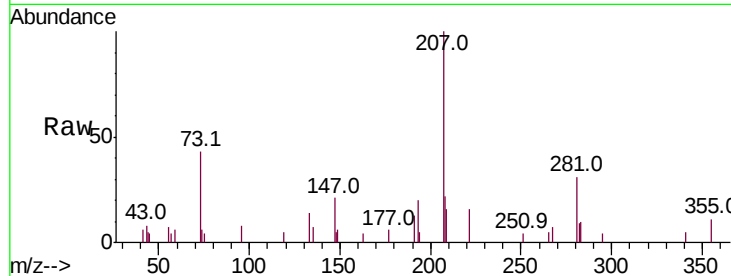
Tot Ion:149 Resp: 201

Ion Ratio Lower Upper

149 100

91 0.0 50.1 75.1#

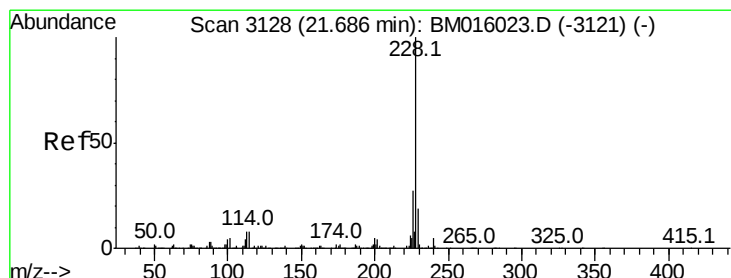
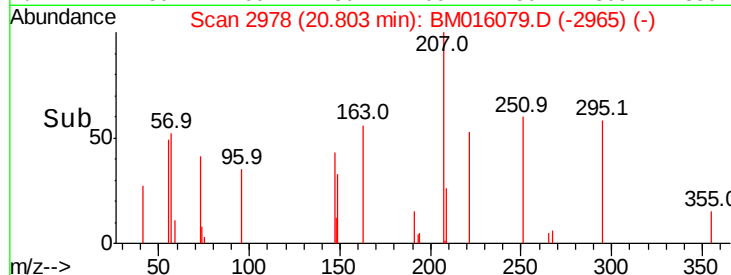
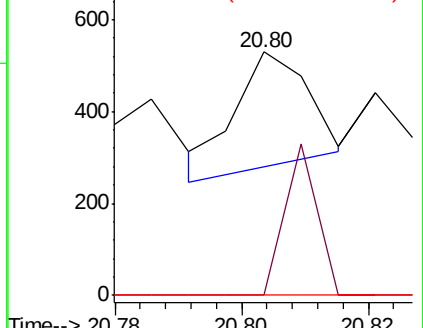
206 0.0 16.2 24.2#



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



#80

Benzo(a)anthracene

Concen: 0.067 ng

RT: 21.69 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

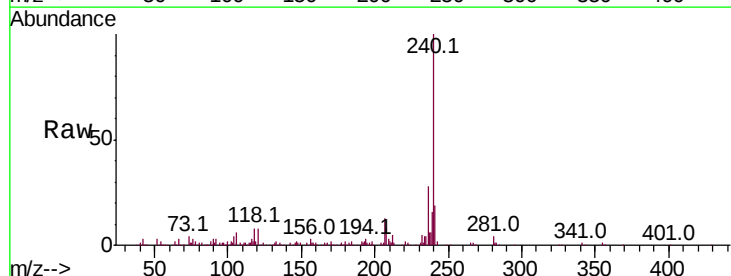
Tgt Ion:228 Resp: 969

Ion Ratio Lower Upper

228 100

226 0.0 21.7 32.5#

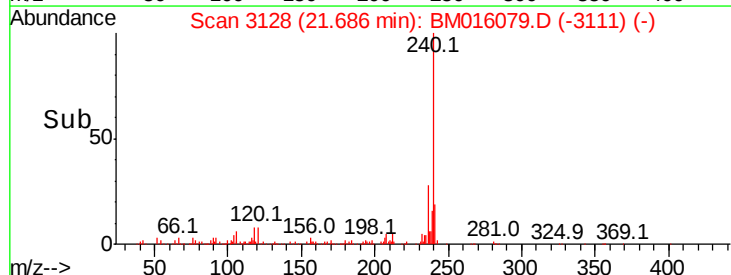
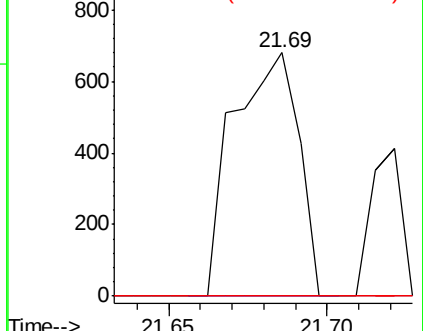
229 0.0 16.0 24.0#

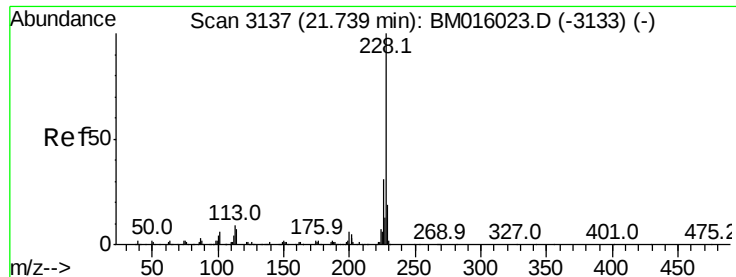


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.020 ng

RT: 21.72 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampled :

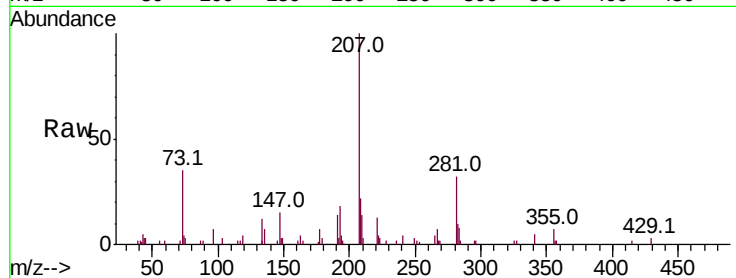
Tot Ion:228 Resp: 270

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

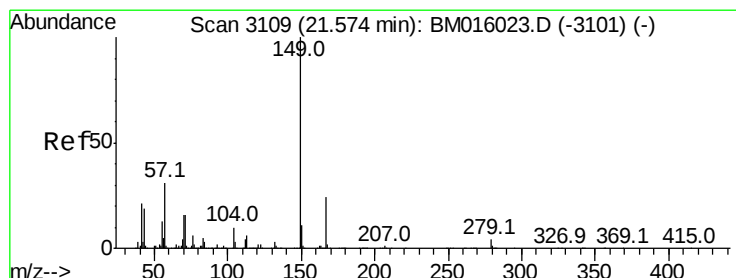
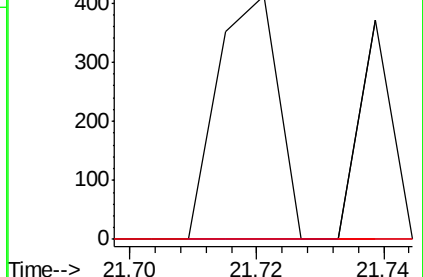
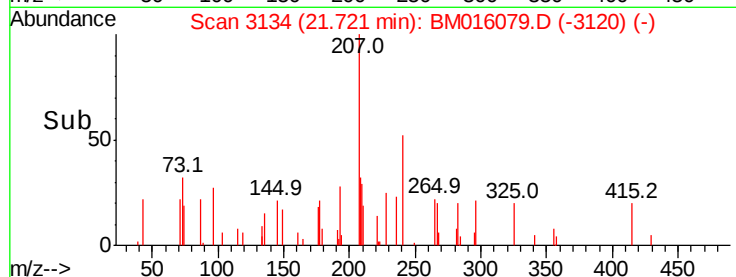
229 0.0 15.5 23.3#



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

Bis(2-ethylhexyl)phthalate

Concen: 0.125 ng

RT: 21.56 min Scan# 3106

Delta R.T. -0.02 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

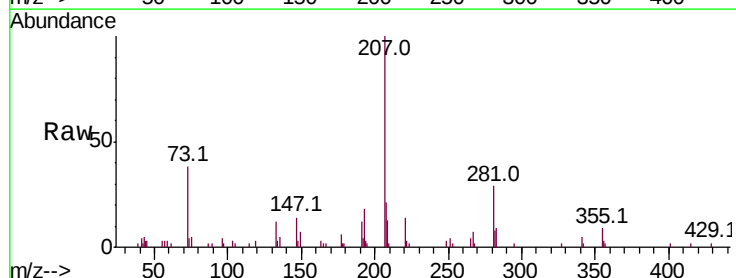
Tgt Ion:149 Resp: 1288

Ion Ratio Lower Upper

149 100

167 25.3 22.4 33.6

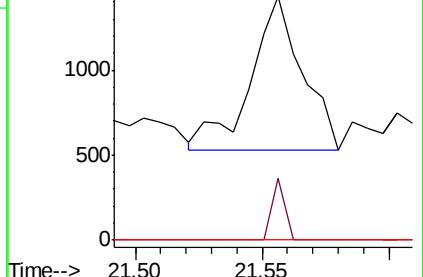
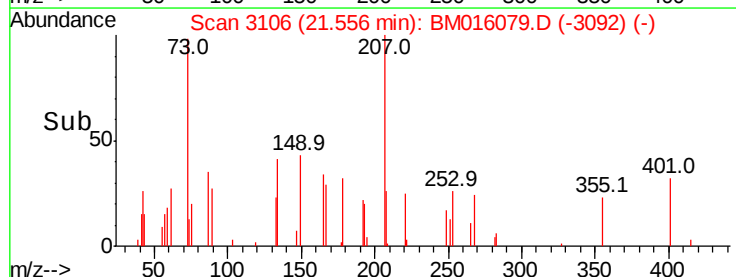
279 0.0 3.4 5.0#

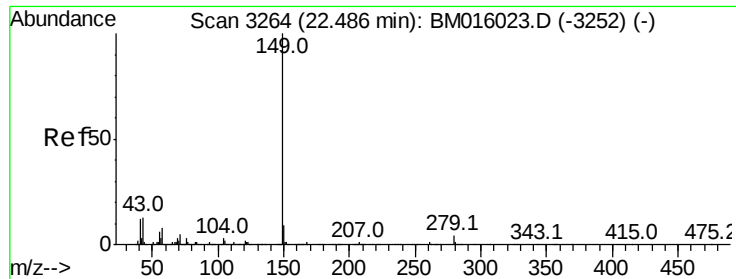


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

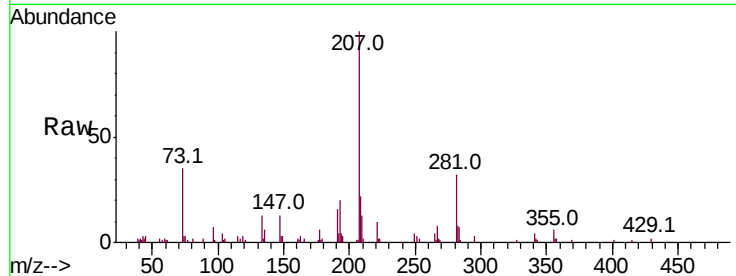




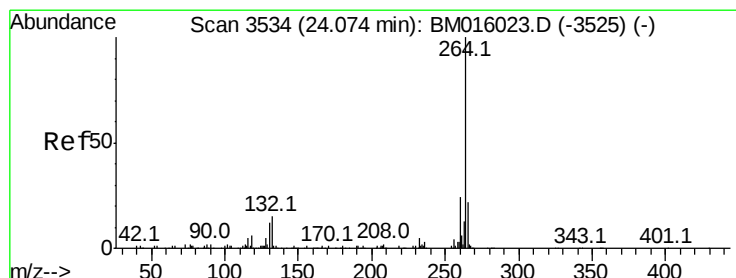
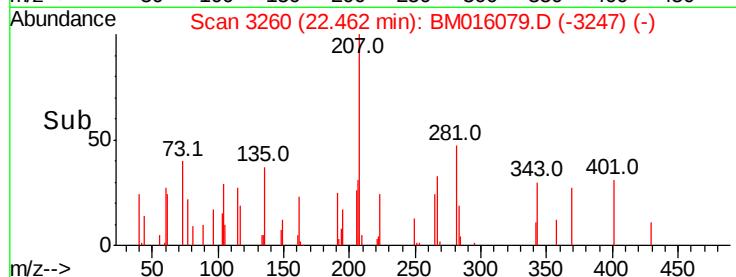
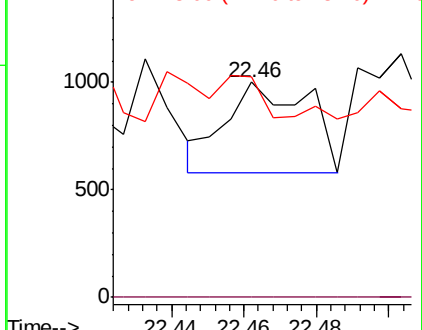
#84
Di-n-octyl phthalate
Concen: 0.038 ng
RT: 22.46 min Scan# 3260
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 662
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 7.3 10.9#

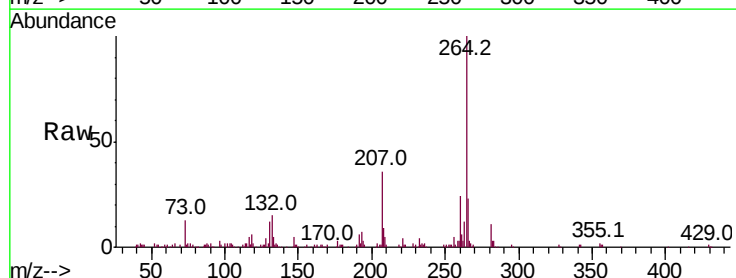


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

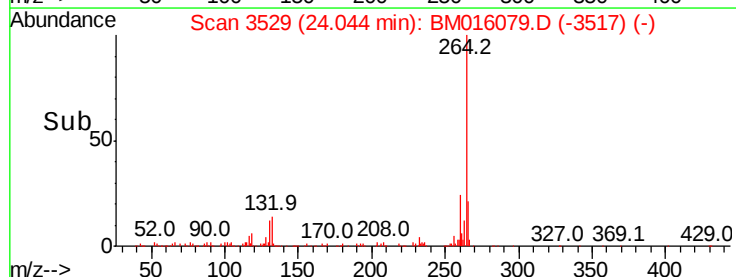
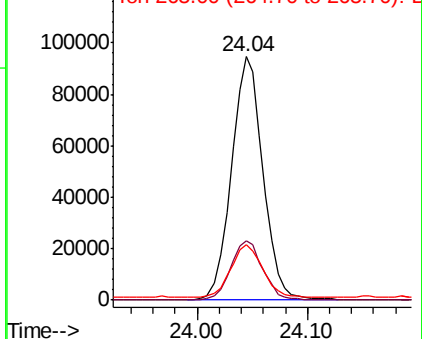


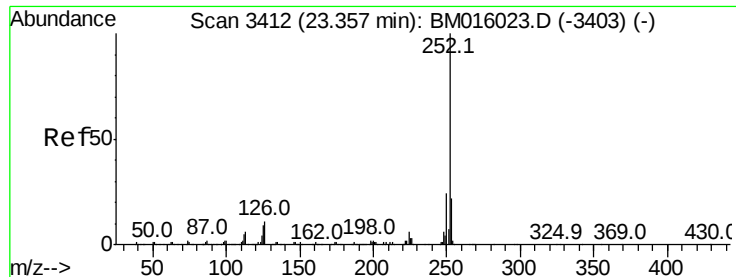
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.04 min Scan# 3529
Delta R.T. -0.03 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Tgt Ion:264 Resp: 188994
Ion Ratio Lower Upper
264 100
260 24.2 18.6 27.8
265 22.6 17.3 25.9



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

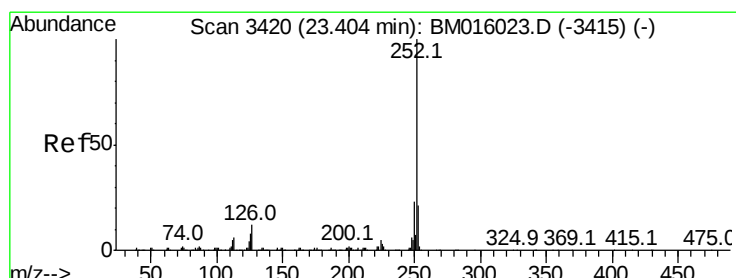
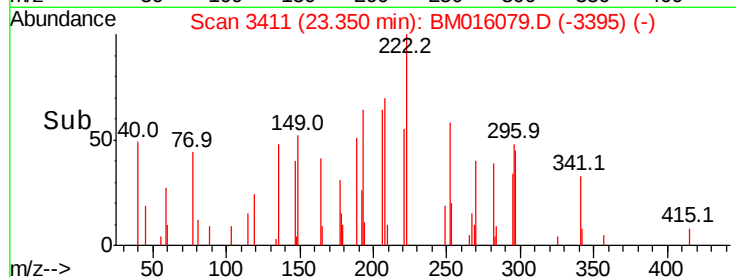
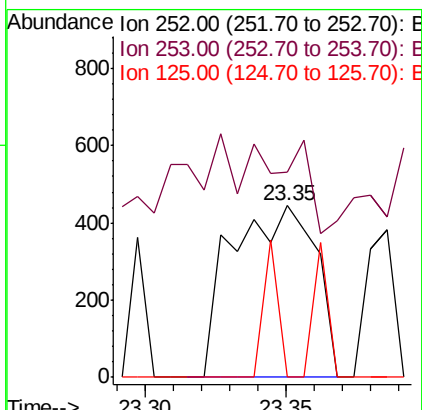
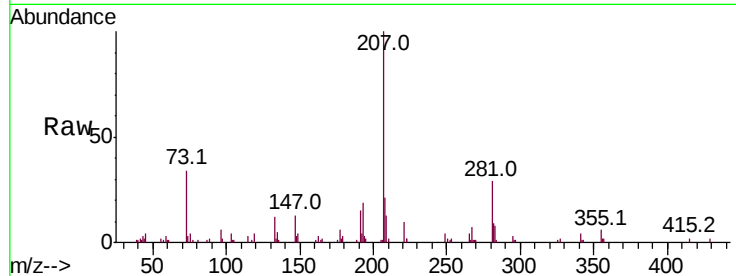




#87
Benzo(b)fluoranthene
Concen: 0.082 ng
RT: 23.35 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

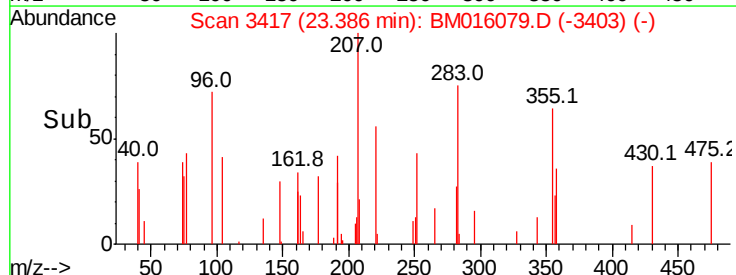
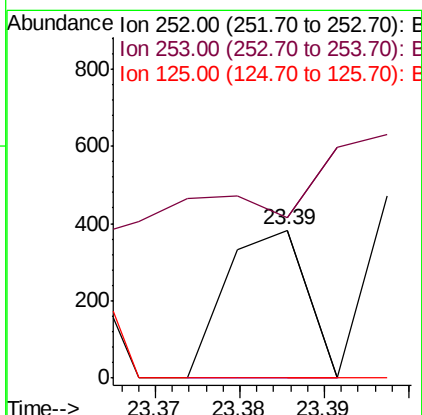
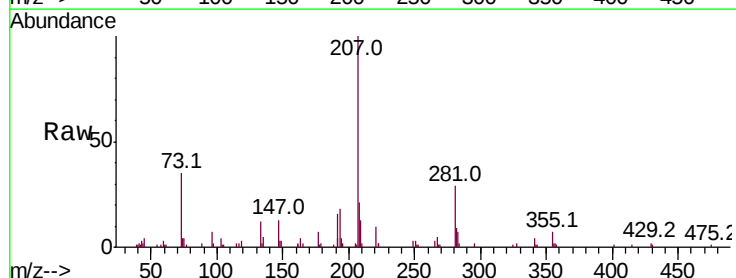
Instrument :
BNA_M
ClientSampled :

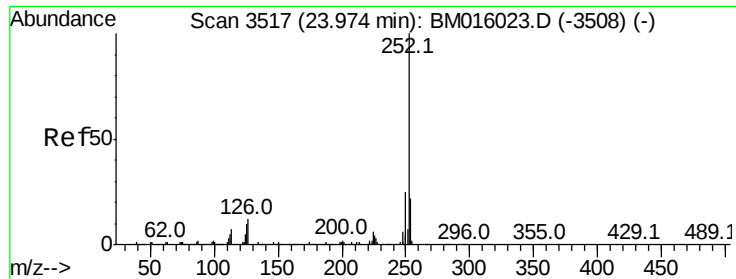
Tot Ion:252 Resp: 918
Ion Ratio Lower Upper
252 100
253 119.8 18.0 27.0#
125 0.0 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 0.022 ng
RT: 23.39 min Scan# 3417
Delta R.T. -0.02 min
Lab File: BM016079.D
Acq: 26 Jul 2018 19:22

Tgt Ion:252 Resp: 252
Ion Ratio Lower Upper
252 100
253 108.4 17.2 25.8#
125 0.0 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 0.013 ng

RT: 23.94 min Scan# 3511

Delta R.T. -0.04 min

Lab File: BM016079.D

Acq: 26 Jul 2018 19:22

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 134

Ion Ratio Lower Upper

252 100

253 123.9 17.6 26.4#

125 0.0 7.4 11.2#

