

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016078.D
 Acq On : 26 Jul 2018 18:45
 Operator : SJ/JU
 Sample : PB111401BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 04:57:52 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

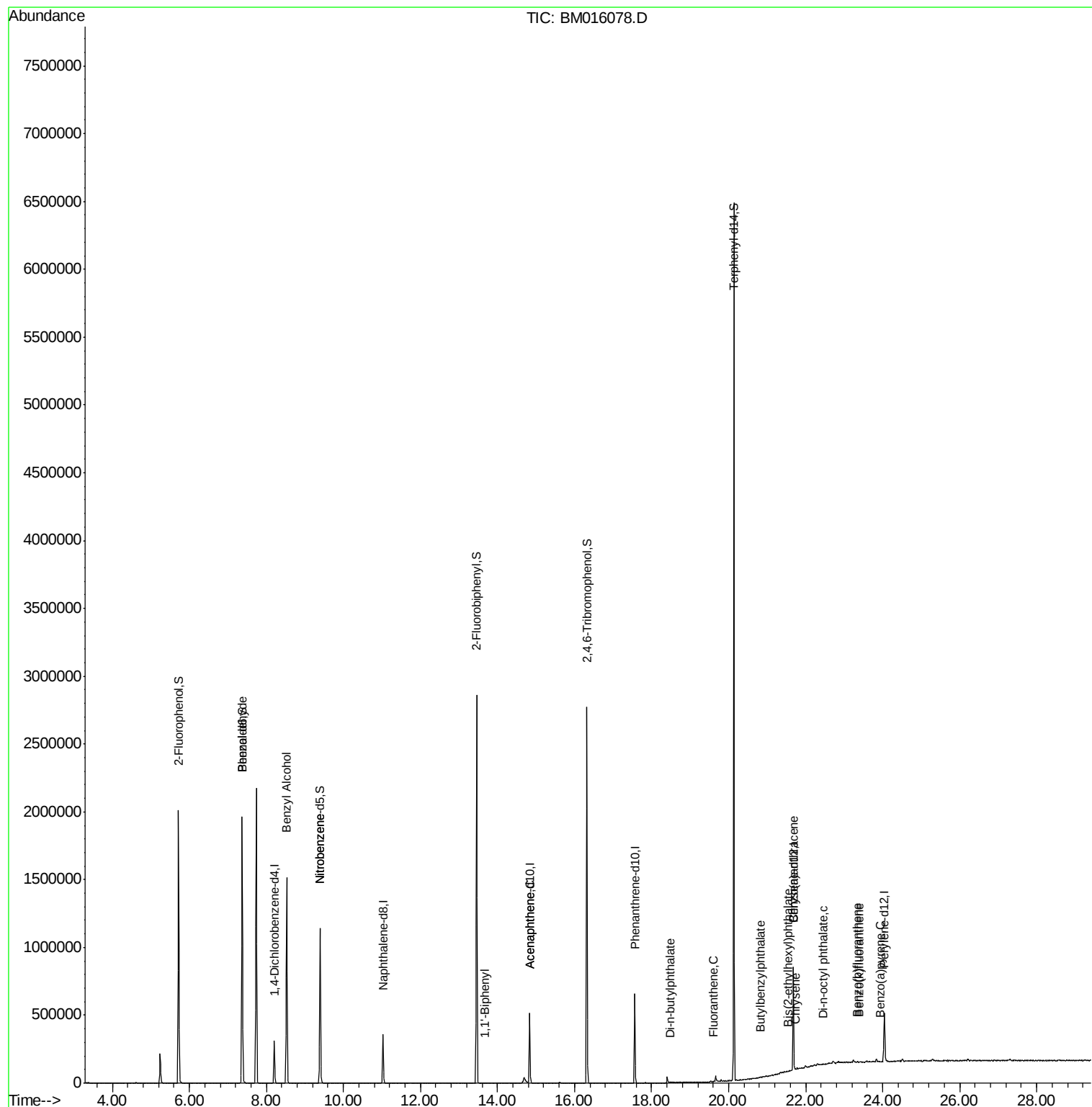
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	64747	20.00	ng	-0.03
21) Naphthalene-d8	11.03	136	243142	20.00	ng	-0.03
38) Acenaphthene-d10	14.83	164	137910	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	317978	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	290977	20.00	ng	-0.02
86) Perylene-d12	24.04	264	234406	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	626861	160.82	ng	-0.02
7) Phenol-d6	7.37	99	794340	156.05	ng	-0.02
23) Nitrobenzene-d5	9.39	82	553342	105.85	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	303988	173.79	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1133223	99.98	ng	-0.02
78) Terphenyl-d14	20.14	244	2125762	152.93	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.38	77	2205	0.617	ng	# 2
15) Benzyl Alcohol	8.53	79	9823	2.424	ng	# 46
24) Nitrobenzene	9.39	77	2716	0.516	ng	# 43
45) 1,1'-Biphenyl	13.68	154	1195	0.096	ng	# 90
51) Acenaphthene	14.83	154	440	0.050	ng	# 5
73) Di-n-butylphthalate	18.49	149	897	0.040	ng	# 78
74) Fluoranthene	19.61	202	112	0.006	ng	# 66
79) Butylbenzylphthalate	20.82	149	907	0.102	ng	# 28
80) Benzo(a)anthracene	21.68	228	1401	0.078	ng	# 51
82) Chrysene	21.73	228	457	0.027	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.55	149	1807	0.141	ng	# 86
84) Di-n-octyl phthalate	22.46	149	376	0.017	ng	# 1
87) Benzo(b)fluoranthene	23.34	252	854	0.062	ng	# 1
88) Benzo(k)fluoranthene	23.39	252	816	0.058	ng	# 1
89) Benzo(a)pyrene	23.94	252	245	0.018	ng	# 1

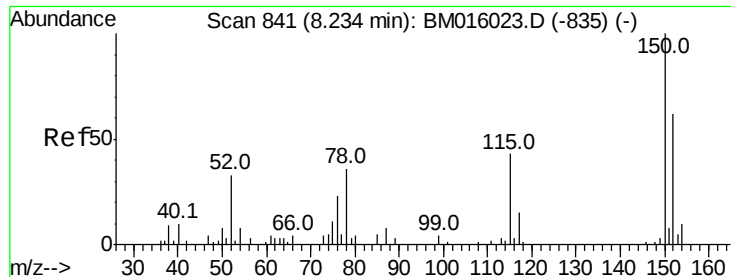
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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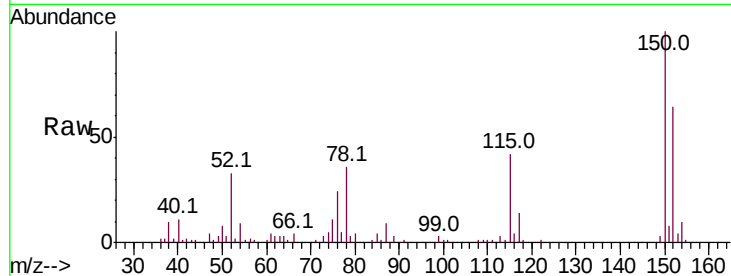


#1

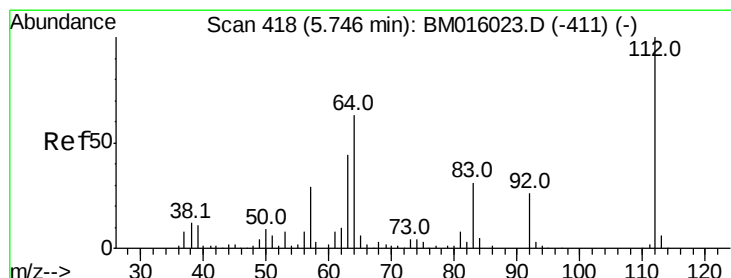
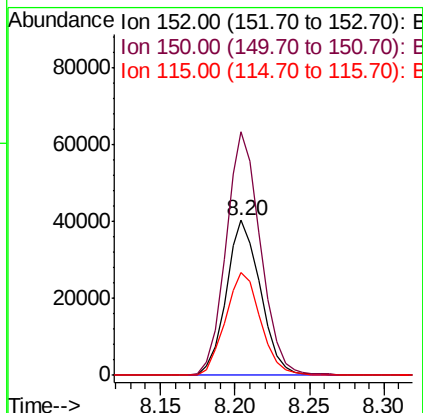
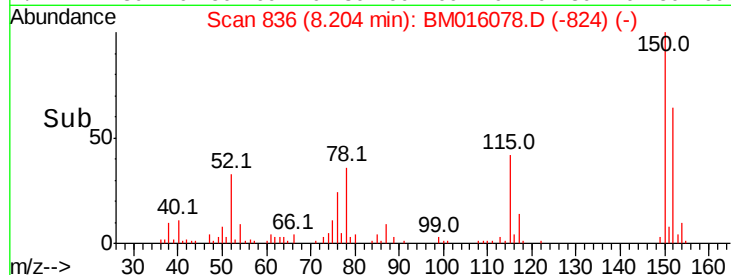
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 64747
Ion Ratio Lower Upper
152 100
150 157.1 119.5 179.3
115 66.5 43.0 64.4#



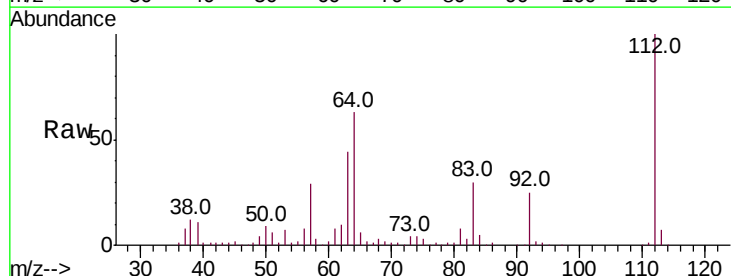
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



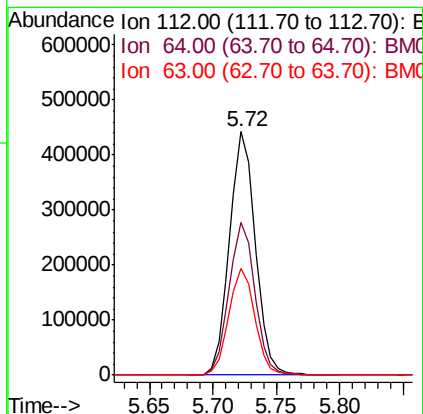
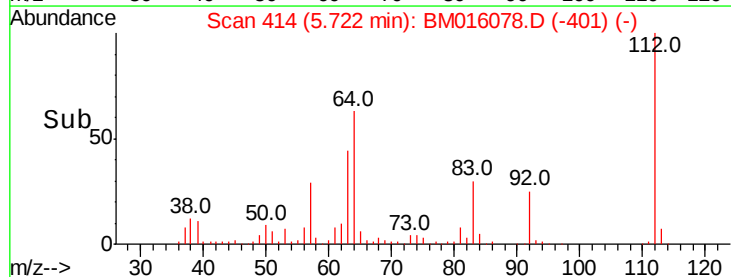
#5

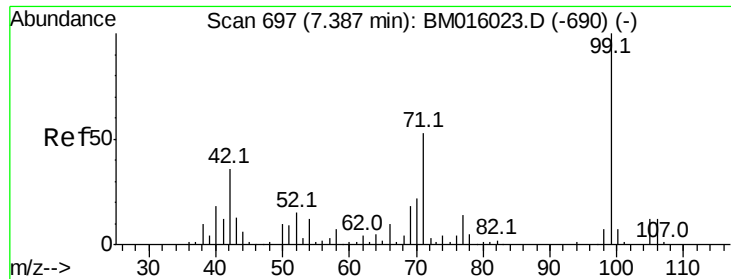
2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Tgt Ion:112 Resp: 626861
Ion Ratio Lower Upper
112 100
64 62.6 38.6 57.8#
63 44.0 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: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

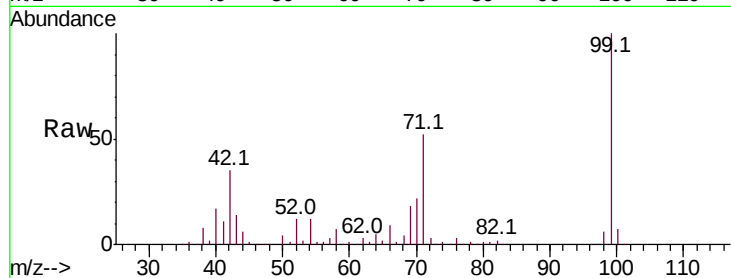
Tot Ion: 99 Resp: 794340

Ion Ratio Lower Upper

99 100

42 35.1 11.0 16.4#

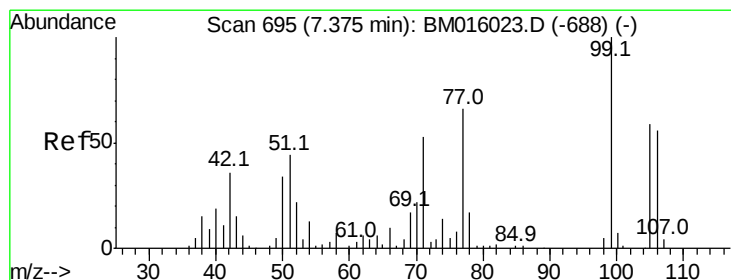
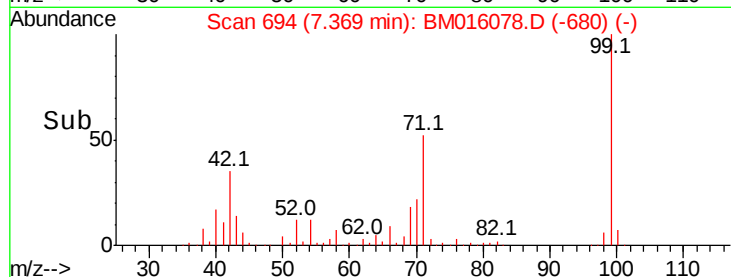
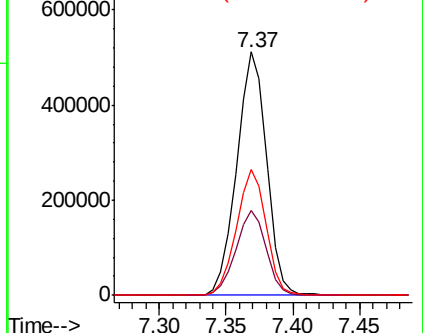
71 51.6 23.4 35.2#



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: 0.617 ng

RT: 7.38 min Scan# 695

Delta R.T. -0.00 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

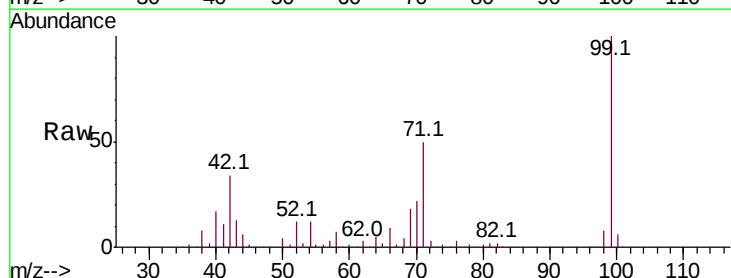
Tgt Ion: 77 Resp: 2205

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

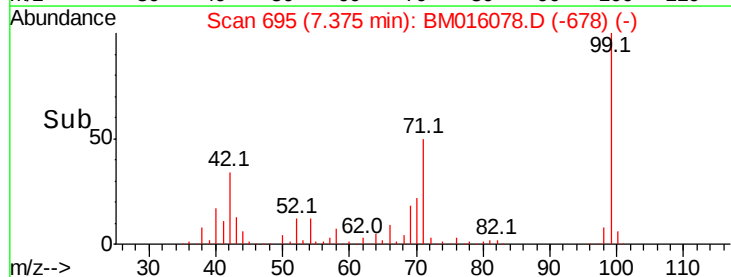
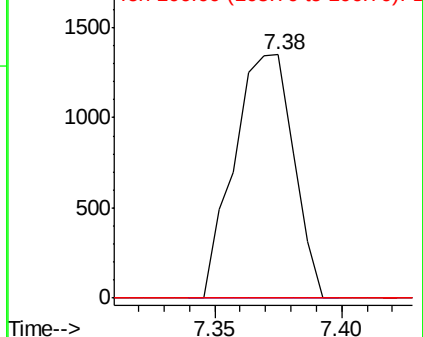
106 0.0 73.7 113.7#

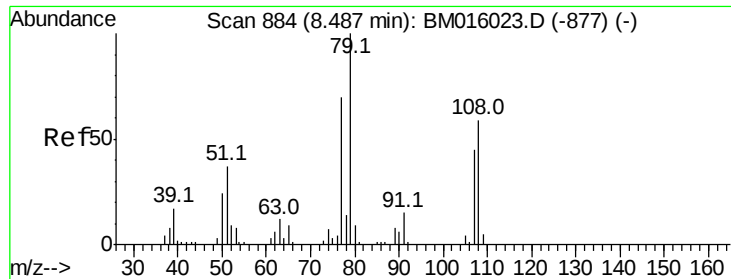


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-688) (-)

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: 2.424 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampled :

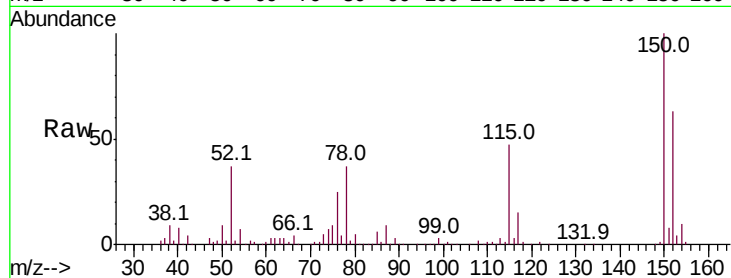
Tot Ion: 79 Resp: 9823

Ion Ratio Lower Upper

79 100

108 68.2 65.0 97.4

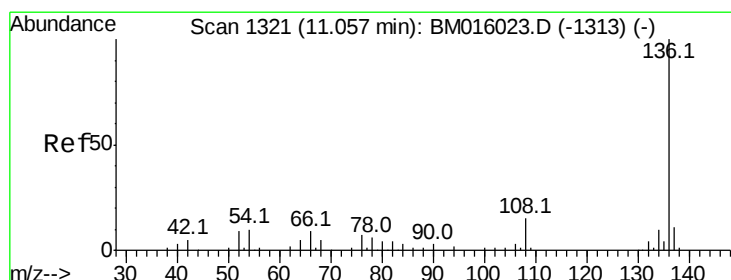
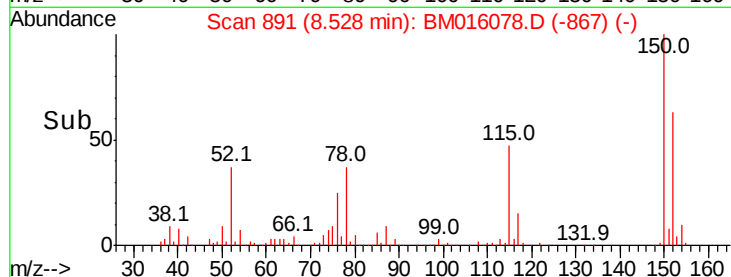
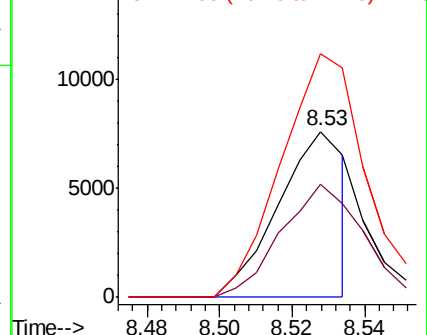
77 147.1 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016078.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM016078.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM016078.D (-867) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.03 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Tgt Ion: 136 Resp: 243142

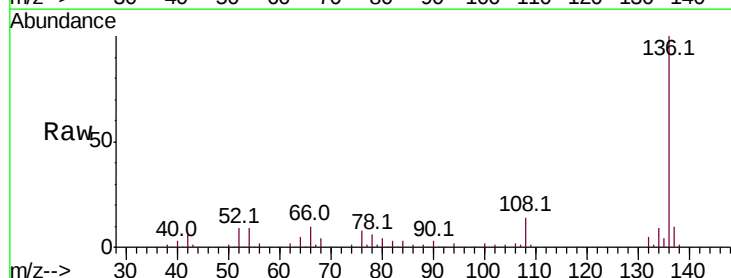
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 9.4 4.6 6.8#

68 4.4 3.7 5.5

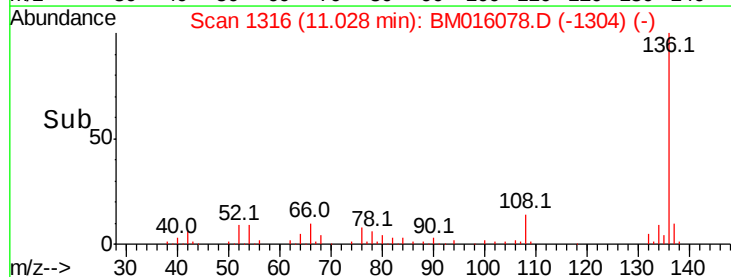
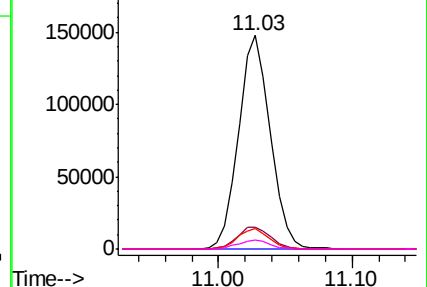


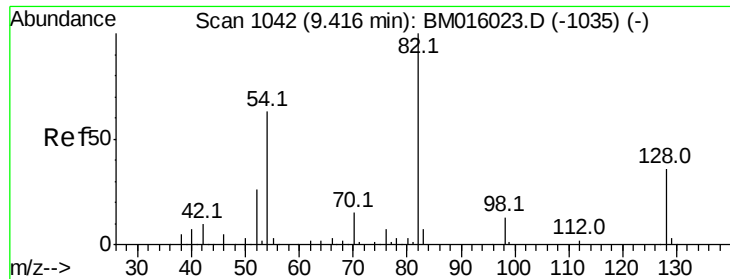
Abundance Ion 136.00 (135.70 to 136.70): BM016078.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016078.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016078.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016078.D (-1304) (-)

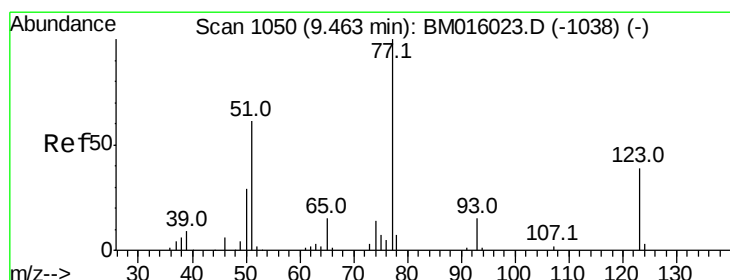
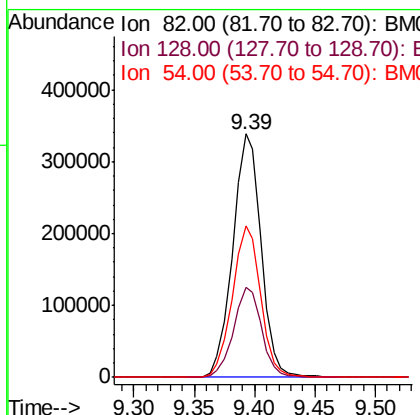
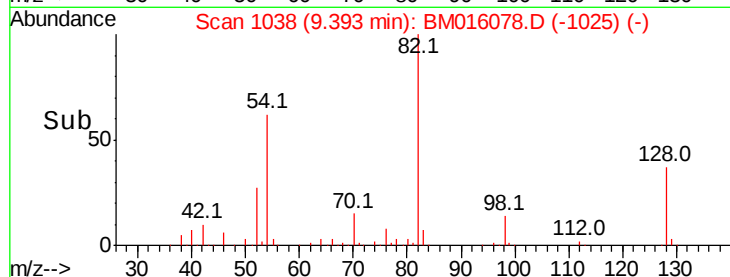
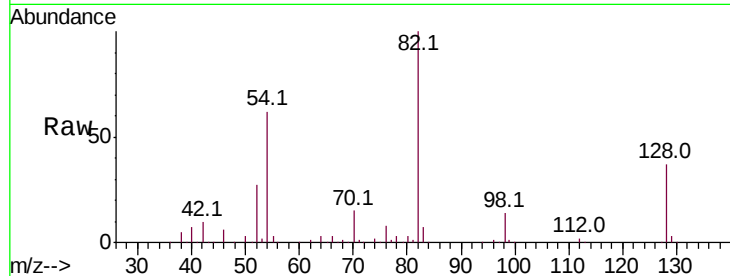




#23
Nitrobenzene-d5
Concen: N.D. na
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

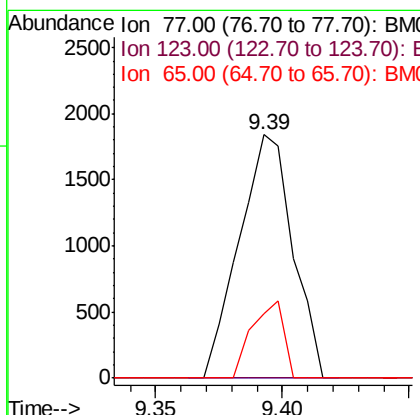
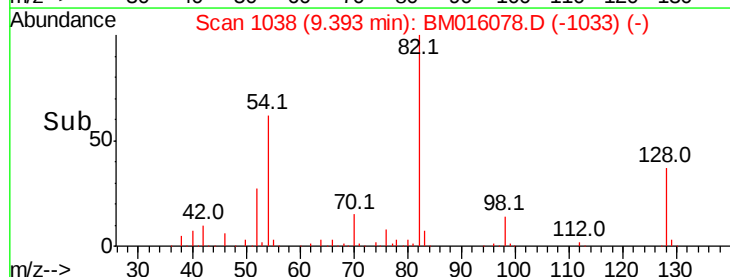
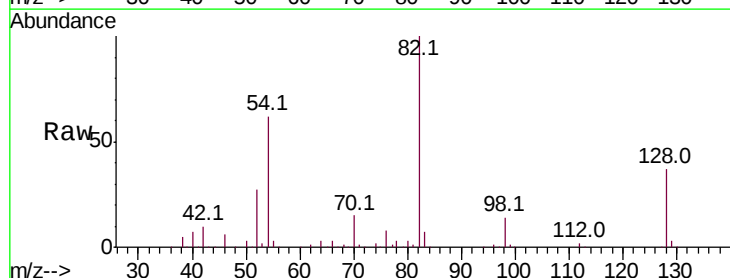
Instrument :
BNA_M
ClientSampleId :

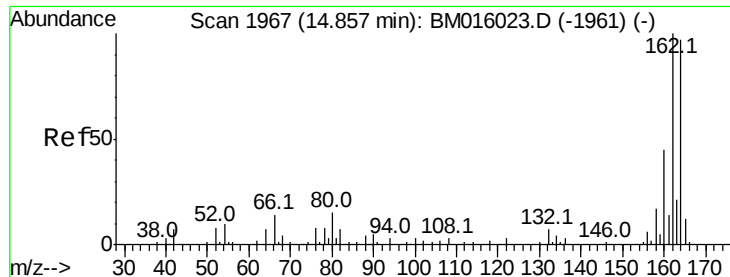
Tot Ion: 82 Resp: 553342
Ion Ratio Lower Upper
82 100
128 36.7 32.8 49.2
54 62.4 40.6 60.8#



#24
Nitrobenzene
Concen: 0.516 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Tgt Ion: 77 Resp: 2716
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 26.3 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: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

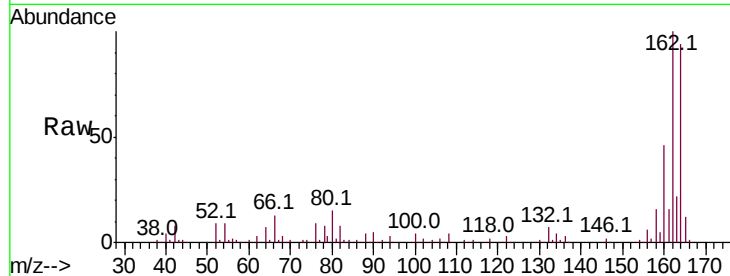
Tot Ion:164 Resp: 137910

Ion Ratio Lower Upper

164 100

162 106.7 82.4 123.6

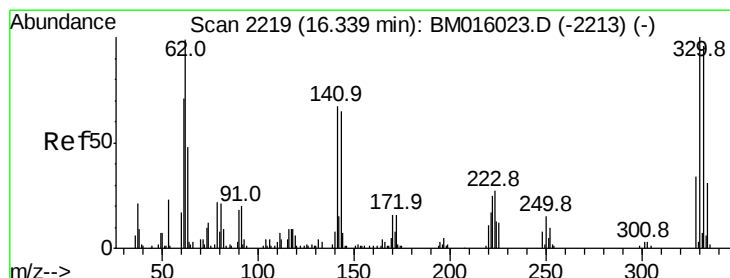
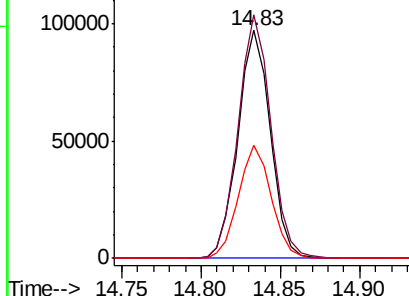
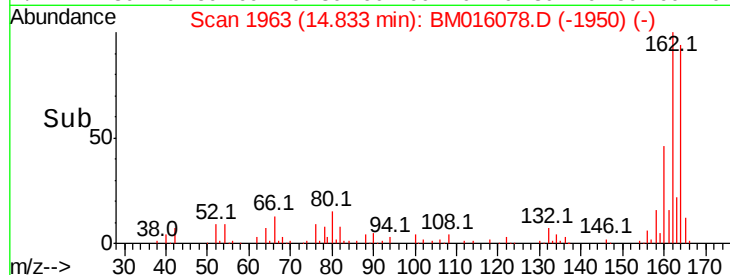
160 49.5 35.8 53.6



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: BM016078.D

Acq: 26 Jul 2018 18:45

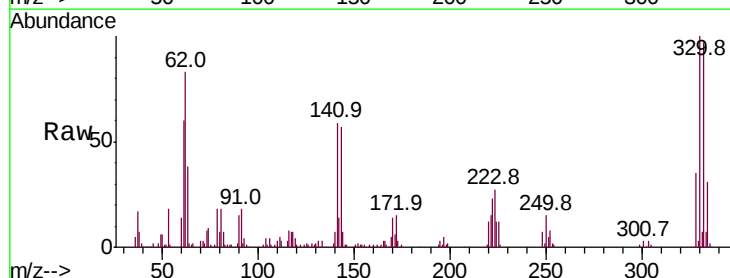
Tgt Ion:330 Resp: 303988

Ion Ratio Lower Upper

330 100

332 96.8 0.0 0.0#

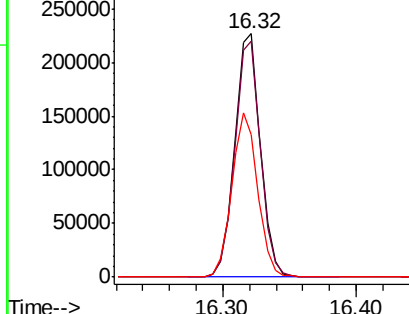
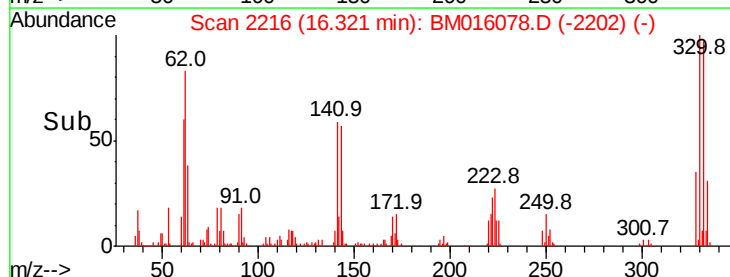
141 67.9 0.0 0.0#

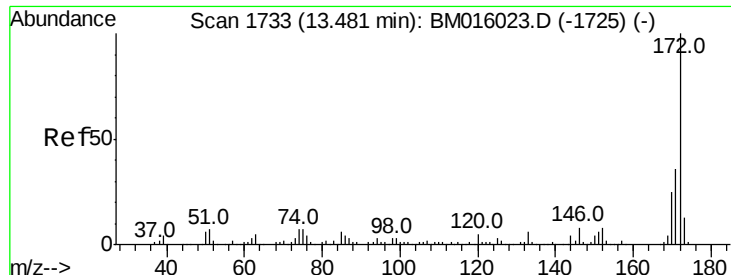


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

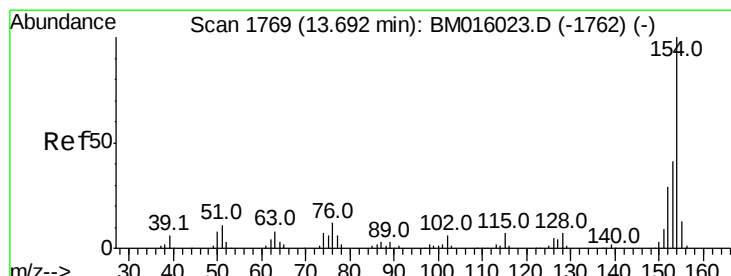
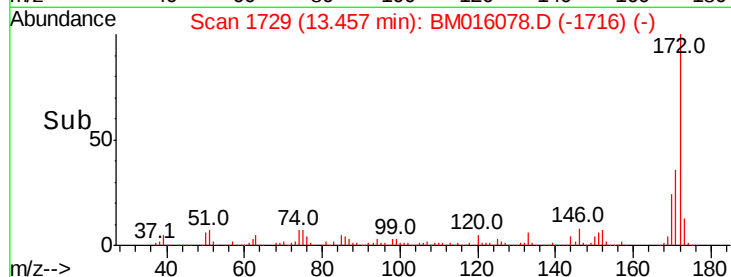
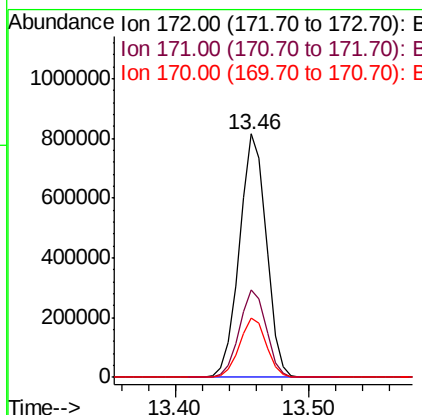
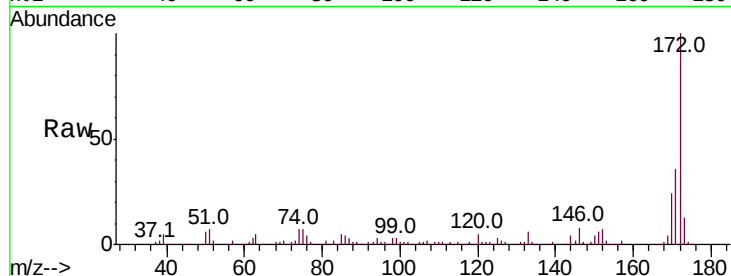




#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.46 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

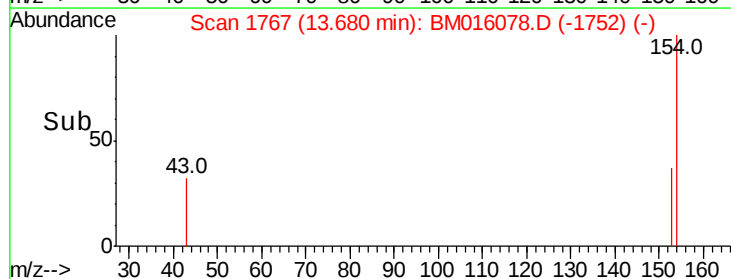
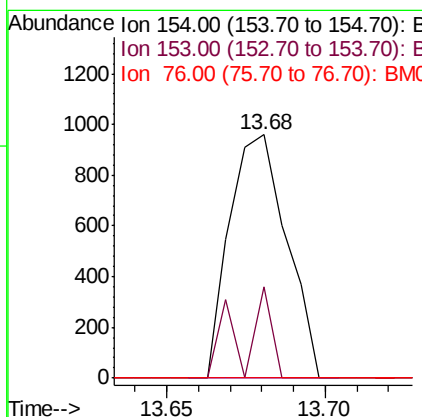
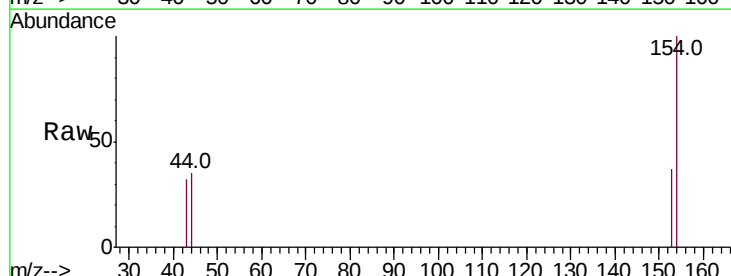
Instrument :
BNA_M
ClientSampleId :

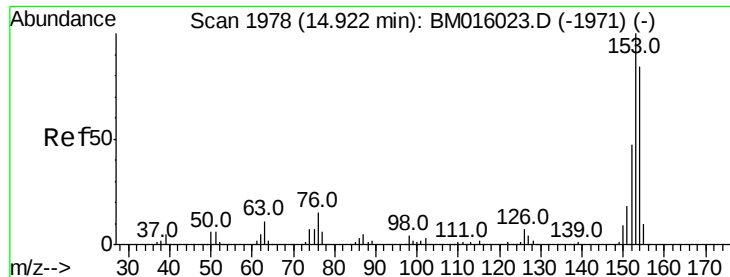
Tot Ion:172 Resp: 1133223
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 24.3 18.8 28.2



#45
1,1'-Biphenyl
Concen: 0.096 ng
RT: 13.68 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Tgt Ion:154 Resp: 1195
Ion Ratio Lower Upper
154 100
153 37.4 20.7 60.7
76 0.0 0.0 30.9





#51

Acenaphthene

Concen: 0.050 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.09 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

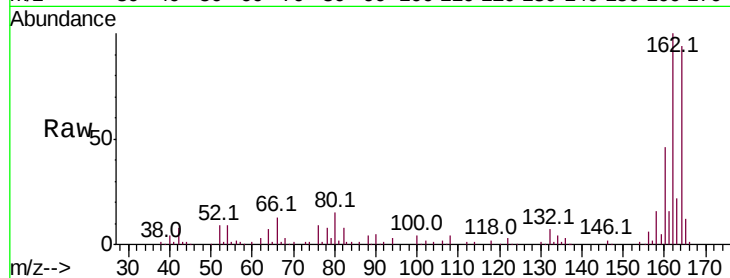
Tot Ion:154 Resp: 440

Ion Ratio Lower Upper

154 100

153 0.0 90.0 135.0#

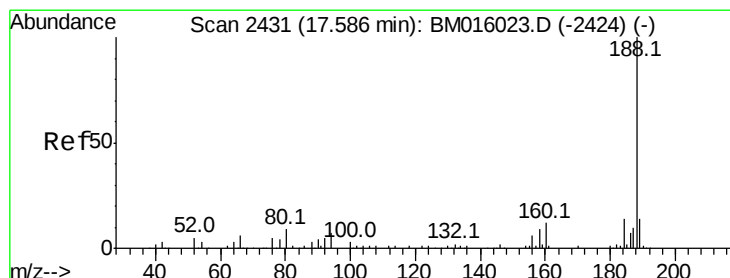
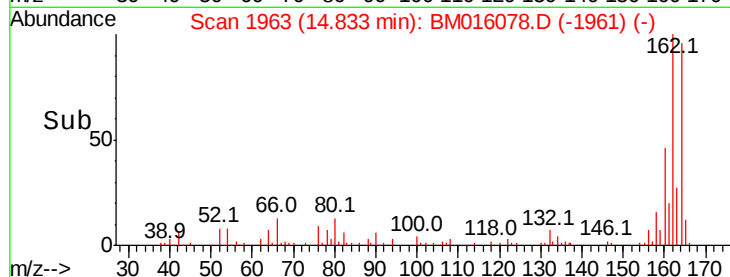
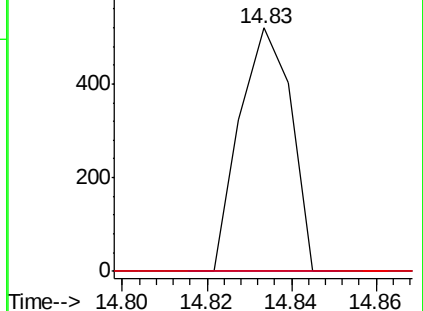
152 0.0 42.6 63.8#



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: BM016078.D

Acq: 26 Jul 2018 18:45

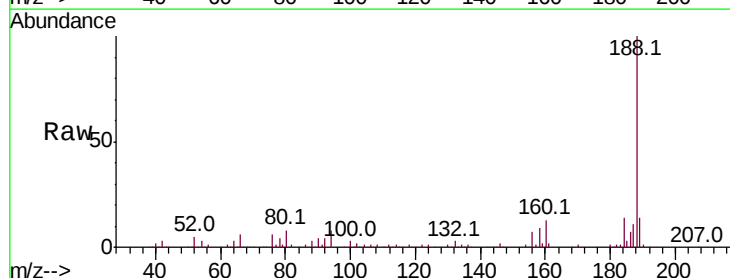
Tgt Ion:188 Resp: 317978

Ion Ratio Lower Upper

188 100

94 7.6 8.7 13.1#

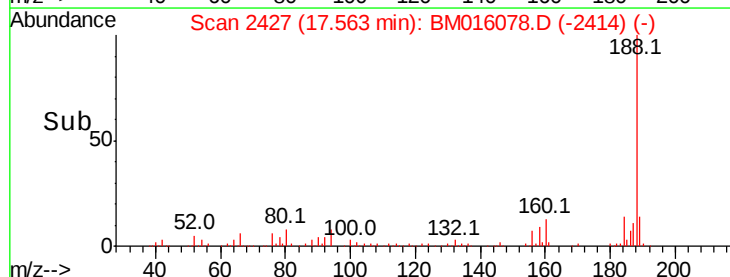
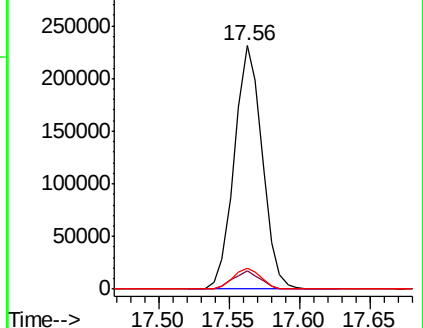
80 8.5 9.3 13.9#

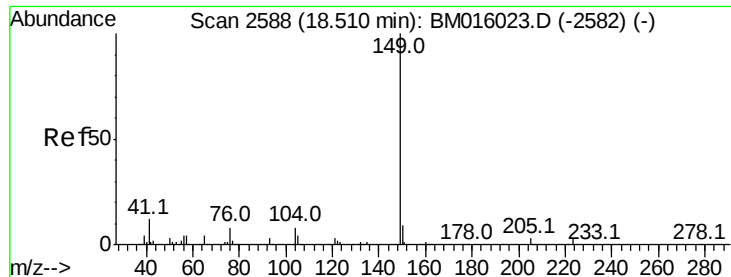


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

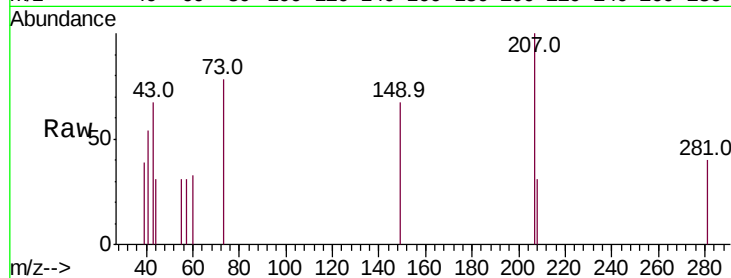




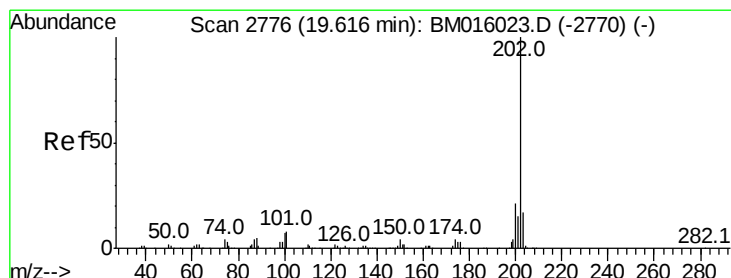
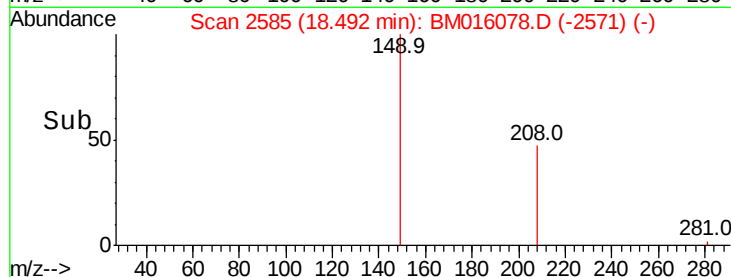
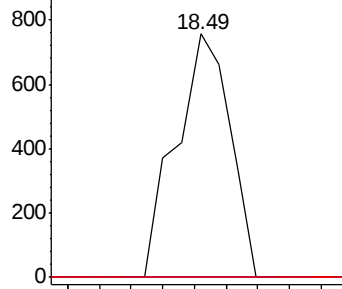
#73
Di-n-butylphthalate
Concen: 0.040 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 897
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#

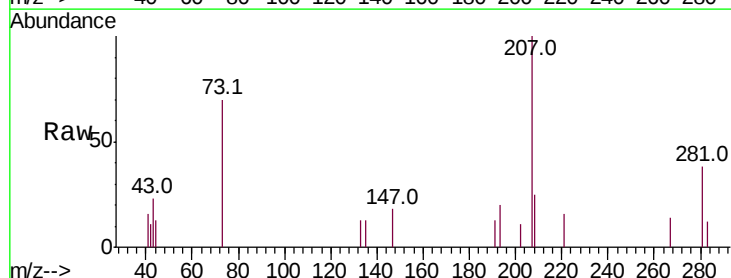


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

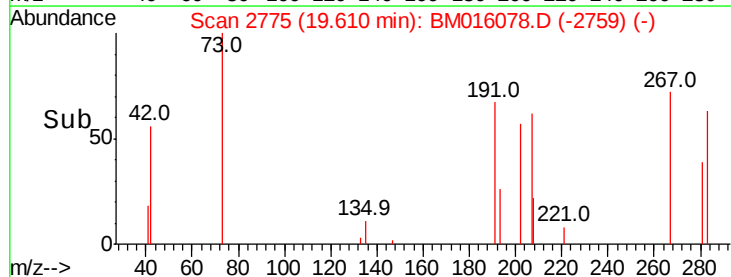
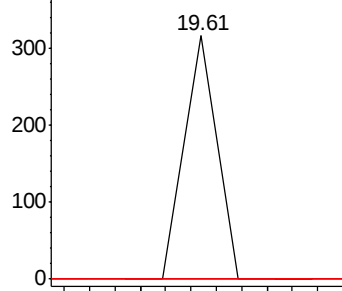


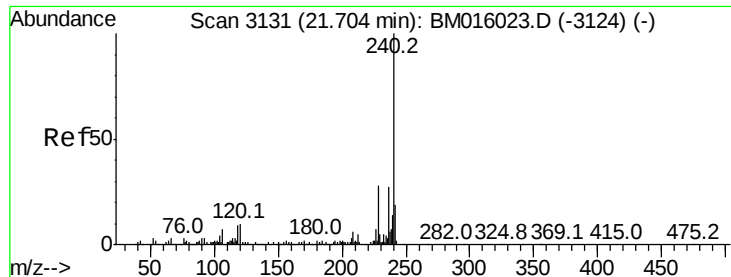
#74
Fluoranthene
Concen: 0.006 ng
RT: 19.61 min Scan# 2775
Delta R.T. -0.01 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Tgt Ion:202 Resp: 112
Ion Ratio Lower Upper
202 100
101 0.0 0.0 28.7
203 0.0 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

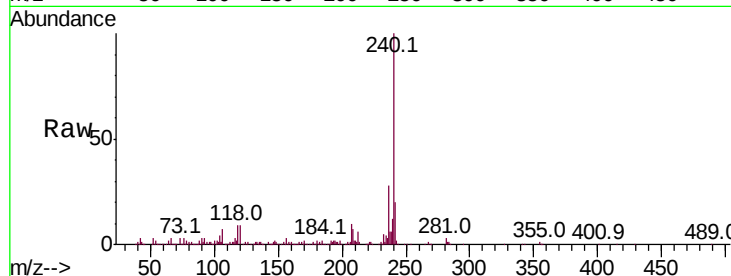
Tot Ion:240 Resp: 290977

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	27.7	20.0	30.0

240 100

120 9.4 8.2 12.2

236 27.7 20.0 30.0

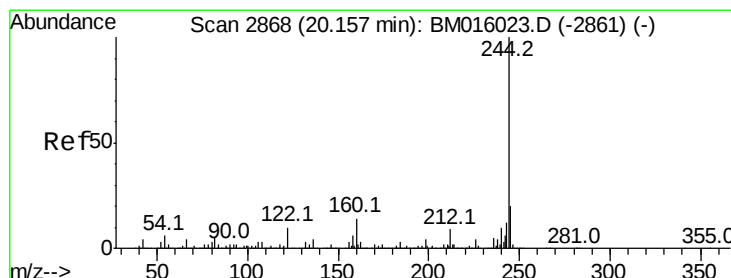
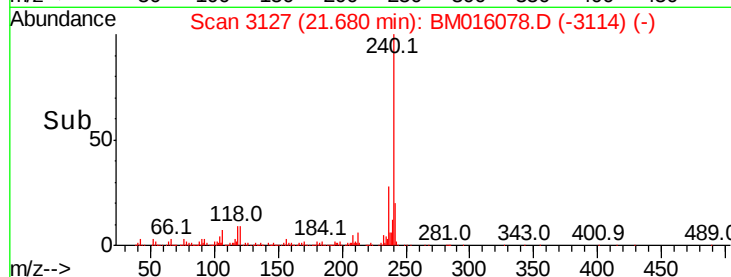
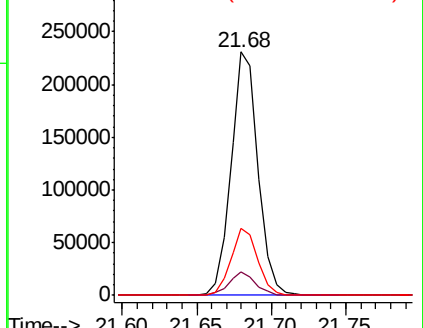


Abundance

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



#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.14 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

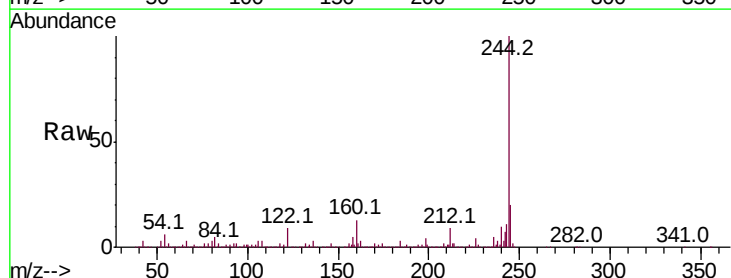
Tgt Ion:244 Resp: 2125762

Ion	Ratio	Lower	Upper
244	100		
212	9.2	4.9	7.3#
122	9.0	6.2	9.4

244 100

212 9.2 4.9 7.3#

122 9.0 6.2 9.4

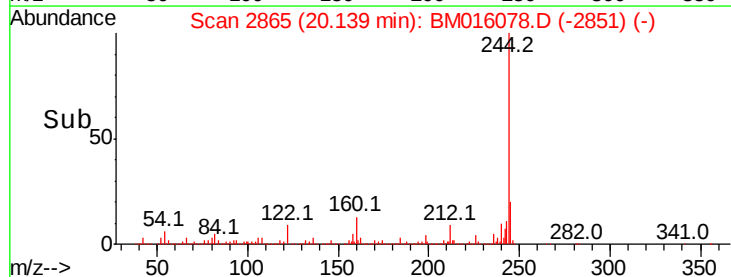
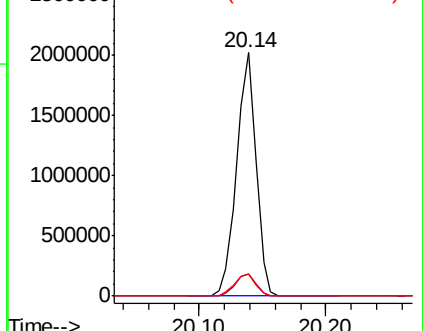


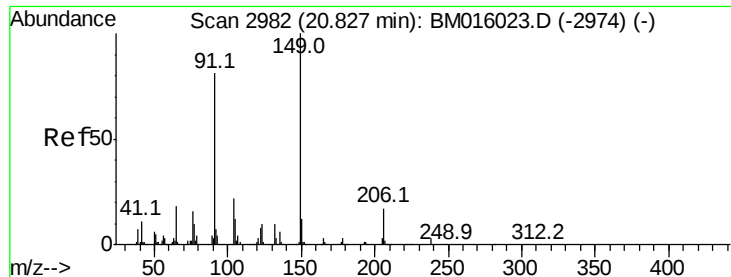
Abundance

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





#79

Butylbenzylphthalate

Concen: 0.102 ng

RT: 20.82 min Scan# 2980

Delta R.T. -0.01 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampled :

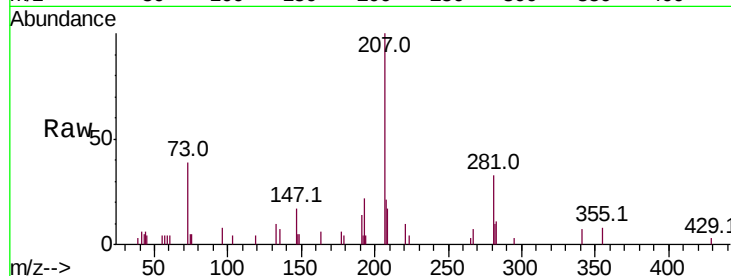
Tot Ion:149 Resp: 907

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

600

500

400

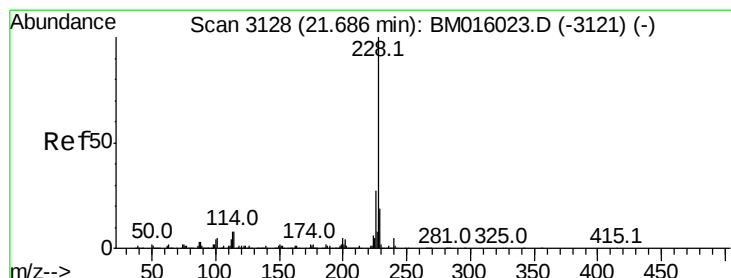
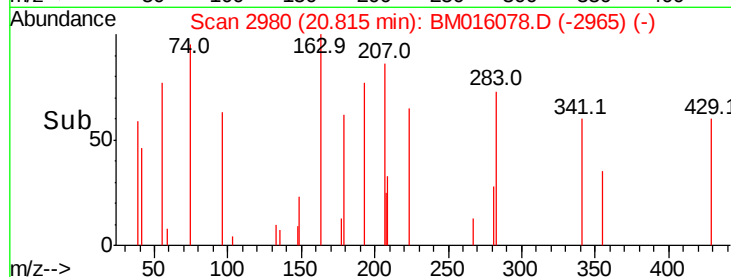
300

200

100

0

Time-->



#80

Benzo(a)anthracene

Concen: 0.078 ng

RT: 21.68 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

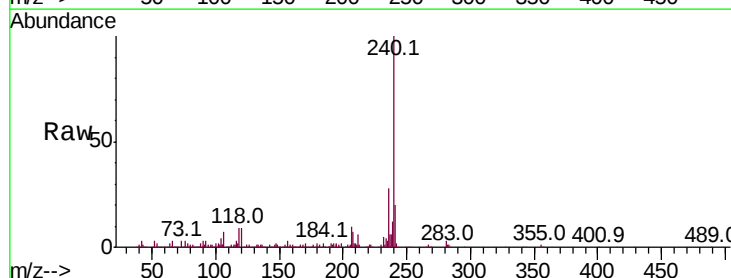
Tgt Ion:228 Resp: 1401

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

1200

1000

800

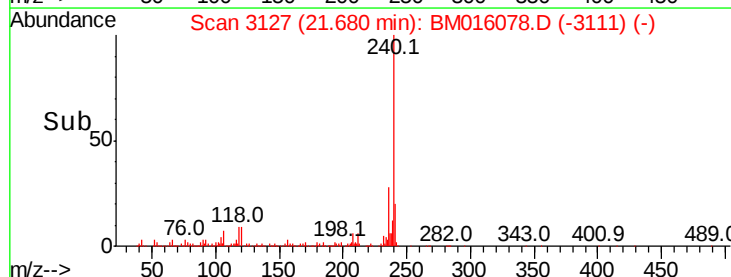
600

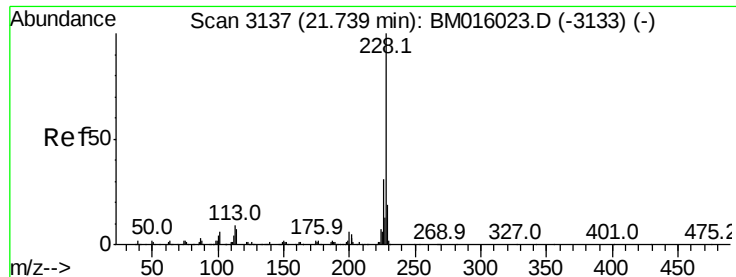
400

200

0

Time-->





#82

Chrysene

Concen: 0.027 ng

RT: 21.73 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

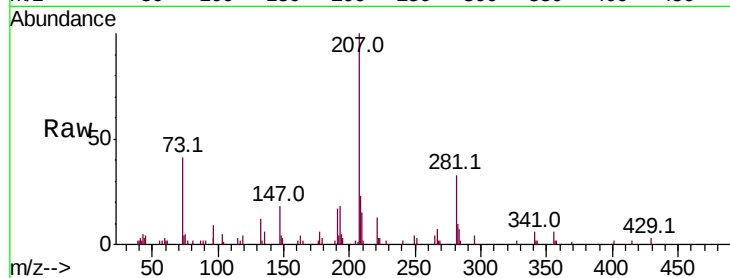
Tot Ion:228 Resp: 457

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

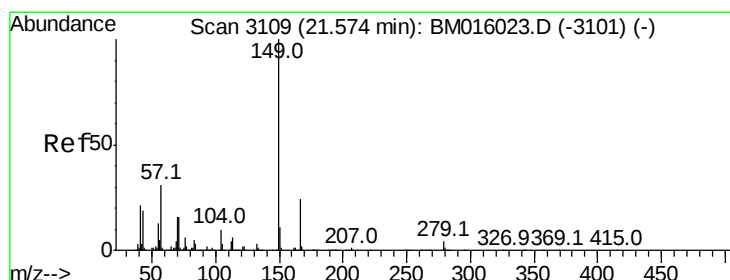
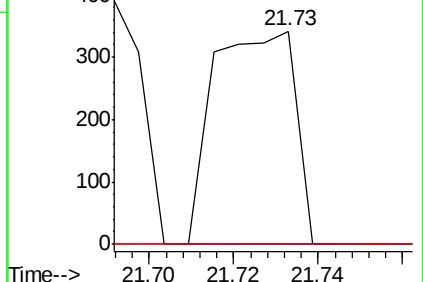
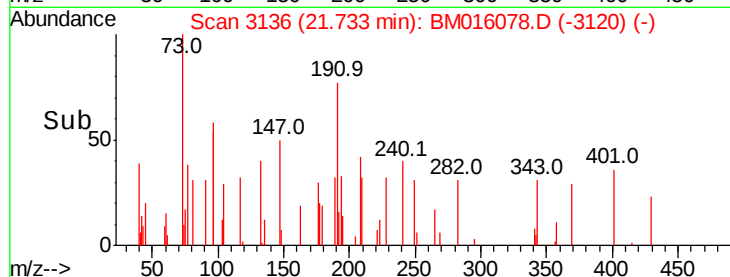
229 0.0 15.5 23.3#



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: 0.141 ng

RT: 21.55 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

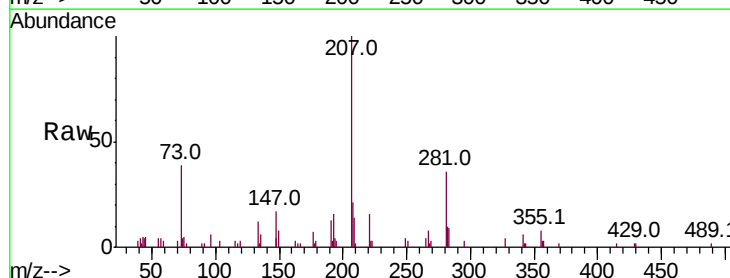
Tgt Ion:149 Resp: 1807

Ion Ratio Lower Upper

149 100

167 20.8 22.4 33.6#

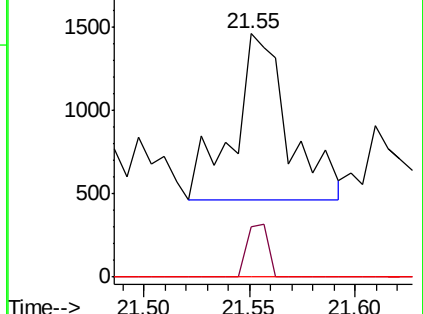
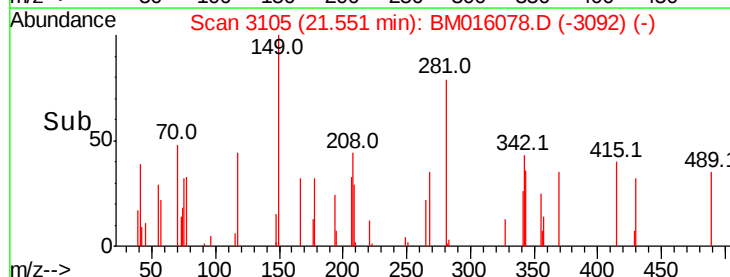
279 0.0 3.4 5.0#

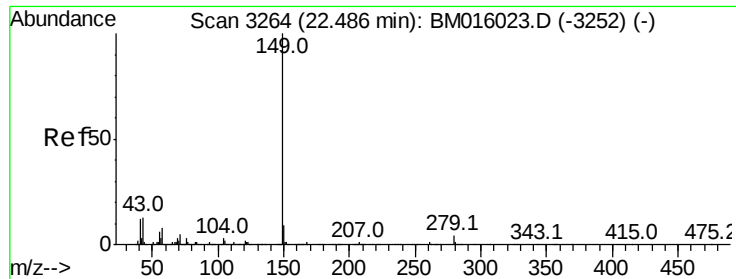


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.017 ng

RT: 22.46 min Scan# 3260

Delta R.T. -0.02 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampled :

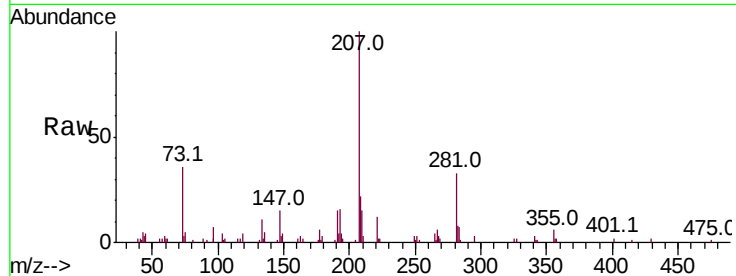
Tot Ion:149 Resp: 376

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

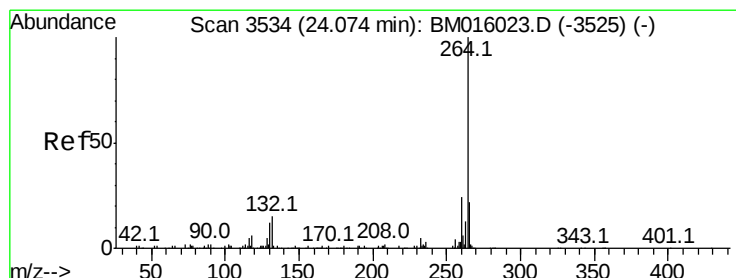
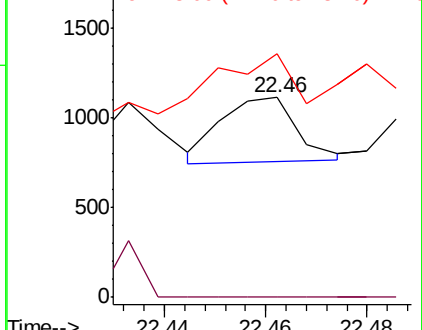
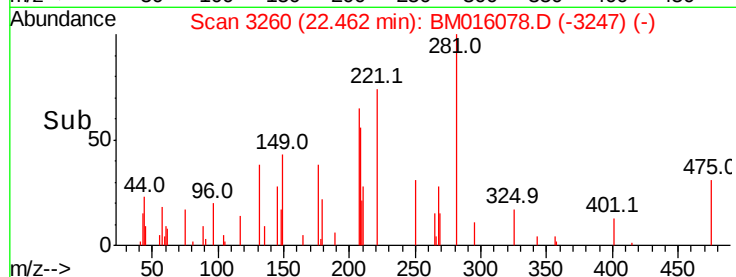
43 158.2 7.3 10.9#



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: BM016078.D

Acq: 26 Jul 2018 18:45

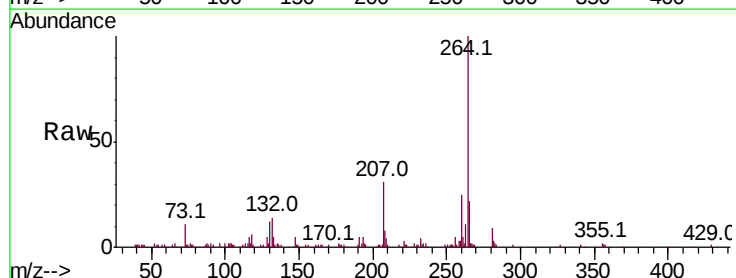
Tgt Ion:264 Resp: 234406

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

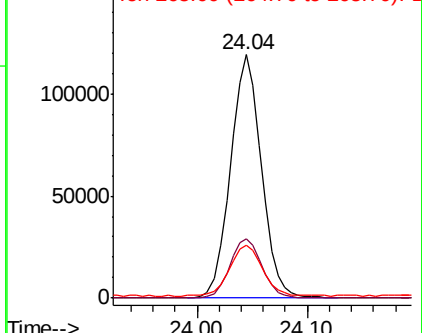
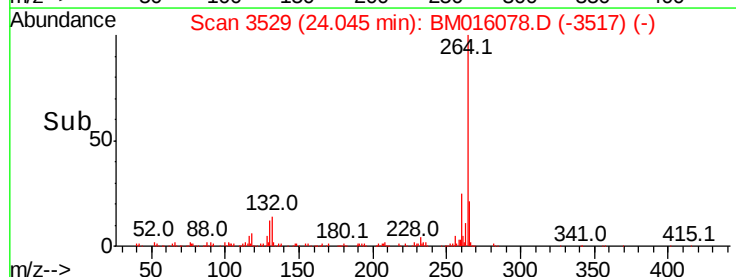
265 21.9 17.3 25.9

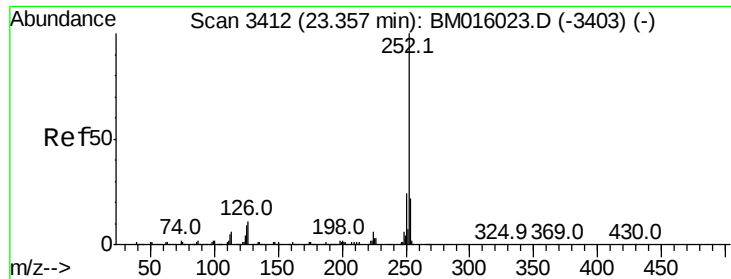


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

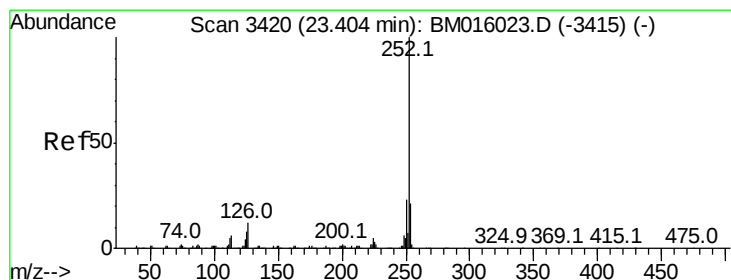
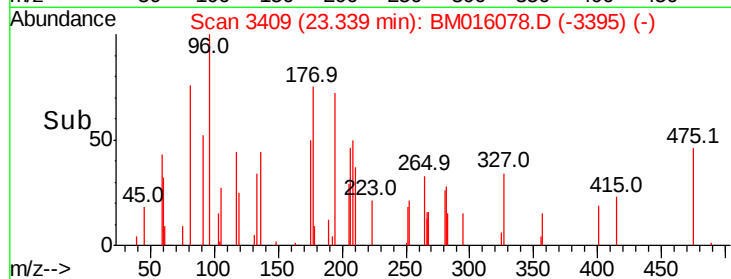
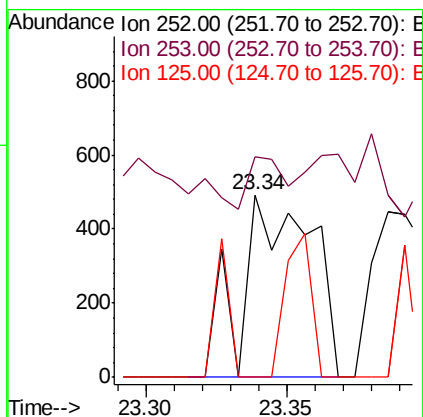
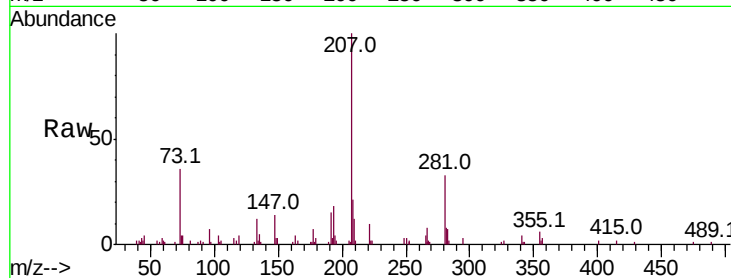




#87
Benzo(b)fluoranthene
Concen: 0.062 ng
RT: 23.34 min Scan# 3409
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

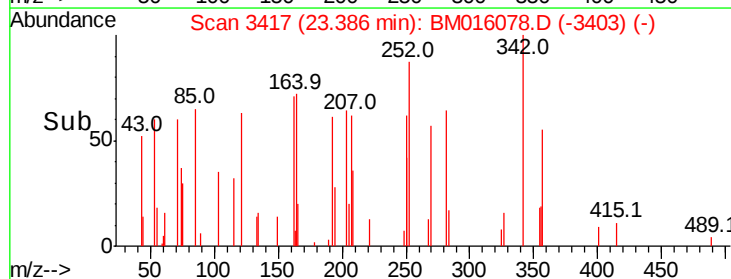
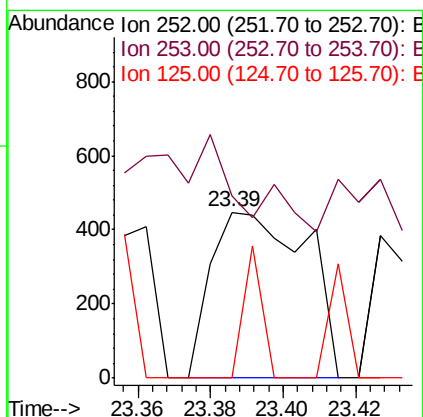
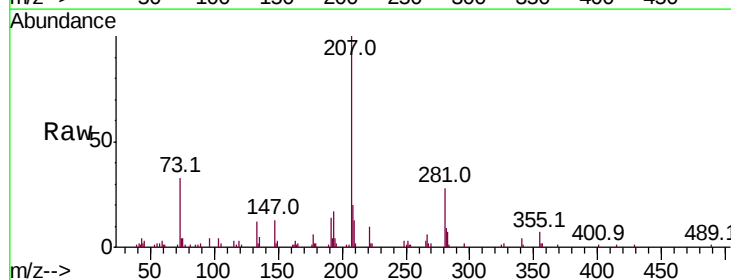
Instrument :
BNA_M
ClientSampled :

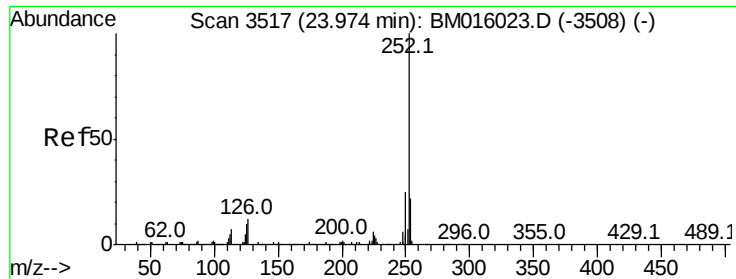
Tot Ion:252 Resp: 854
Ion Ratio Lower Upper
252 100
253 120.9 18.0 27.0#
125 0.0 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 0.058 ng
RT: 23.39 min Scan# 3417
Delta R.T. -0.02 min
Lab File: BM016078.D
Acq: 26 Jul 2018 18:45

Tgt Ion:252 Resp: 816
Ion Ratio Lower Upper
252 100
253 110.0 17.2 25.8#
125 0.0 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 0.018 ng

RT: 23.94 min Scan# 3512

Delta R.T. -0.03 min

Lab File: BM016078.D

Acq: 26 Jul 2018 18:45

Instrument :

BNA_M

ClientSampleId :

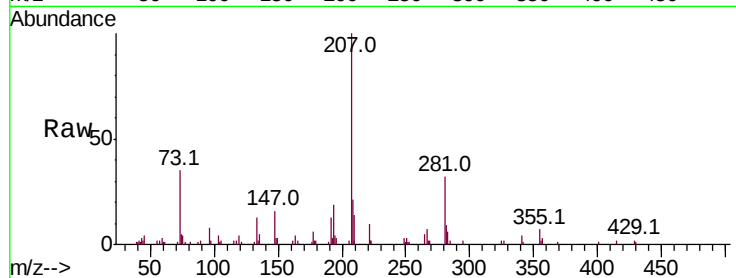
Tot Ion:252 Resp: 245

Ion Ratio Lower Upper

252 100

253 111.1 17.6 26.4#

125 0.0 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

