

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016030.D
 Acq On : 23 Jul 2018 17:46
 Operator : SJ/JU
 Sample : PB111227BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB111227BL

Quant Time: Jul 24 06:03:04 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	8.23	152	58331	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	207603	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	111587	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	228913	20.00	ng	0.00
75) Chrysene-d12	21.70	240	229647	20.00	ng	0.00
86) Perylene-d12	24.07	264	239933	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.75	112	510511	145.38	ng	0.00
7) Phenol-d6	7.39	99	632188	137.86	ng	0.00
23) Nitrobenzene-d5	9.42	82	435631	97.60	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	197210	139.34	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	864903	94.31	ng	0.00
78) Terphenyl-d14	20.16	244	1248877	113.84	ng	0.00

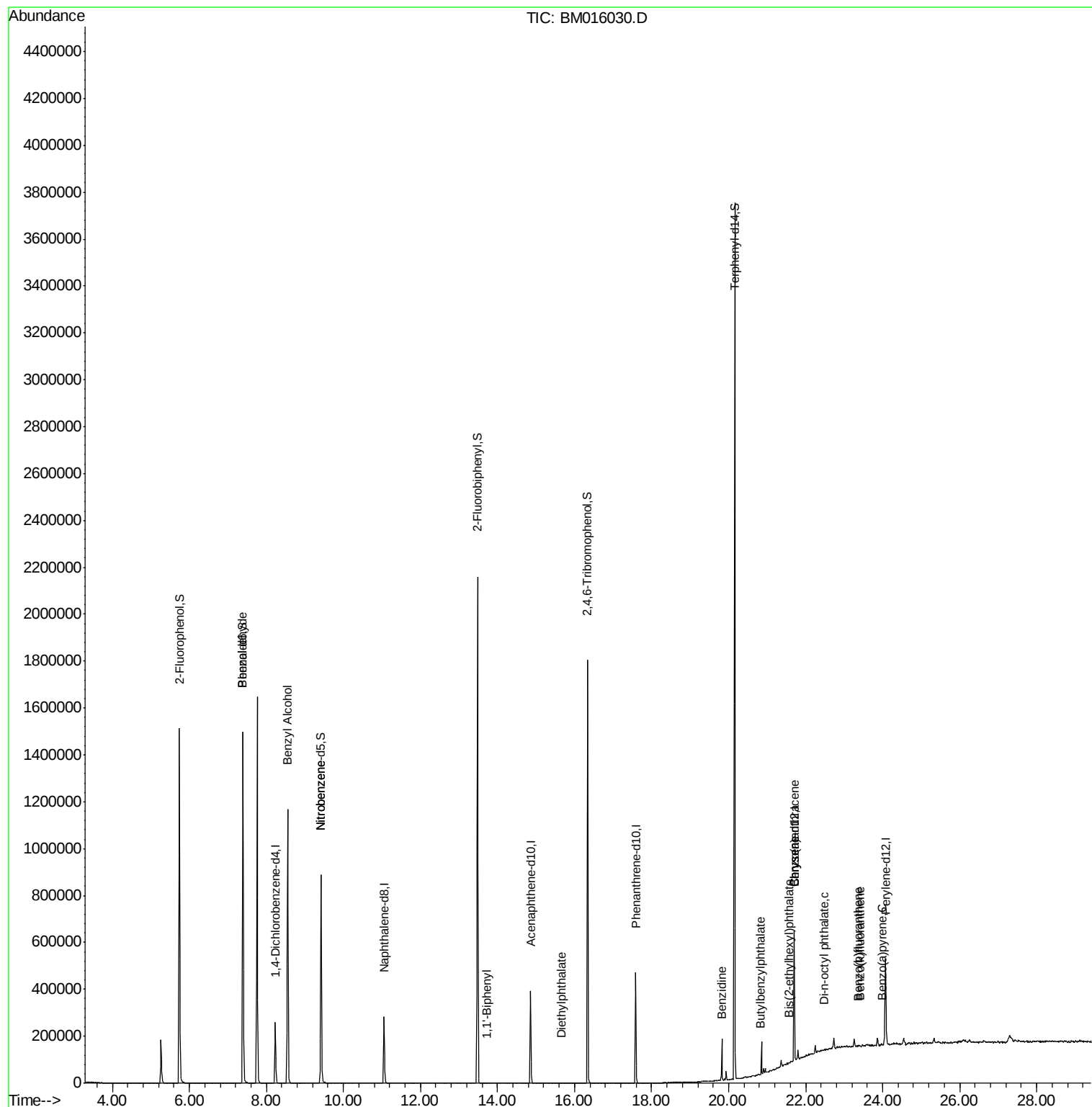
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.39	77	1802	0.559	ng	# 2
15) Benzyl Alcohol	8.56	79	8447	2.313	ng	# 41
24) Nitrobenzene	9.42	77	2308	0.514	ng	# 37
45) 1,1'-Biphenyl	13.72	154	1042	0.103	ng	# 42
59) Diethylphthalate	15.65	149	1898	0.180	ng	# 87
76) Benzidine	19.84	184	252	0.039	ng	# 68
79) Butylbenzylphthalate	20.82	149	143	0.020	ng	# 28
80) Benzo(a)anthracene	21.70	228	707	0.050	ng	# 51
82) Chrysene	21.70	228	707	0.052	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.57	149	122	0.012	ng	# 52
84) Di-n-octyl phthalate	22.47	149	420	0.025	ng	# 1
87) Benzo(b)fluoranthene	23.36	252	138	0.010	ng	# 1
88) Benzo(k)fluoranthene	23.41	252	106	0.007	ng	# 1
89) Benzo(a)pyrene	23.98	252	109	0.008	ng	# 1

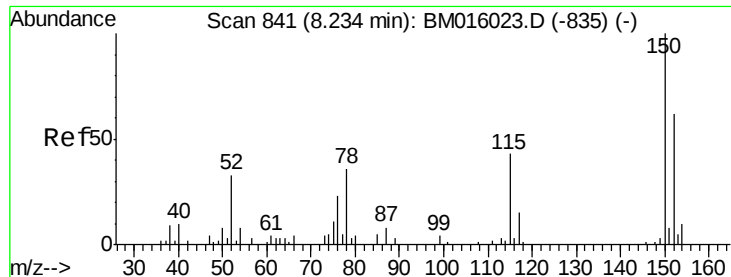
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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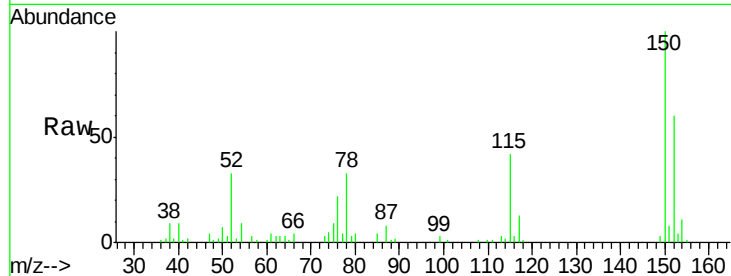


#1

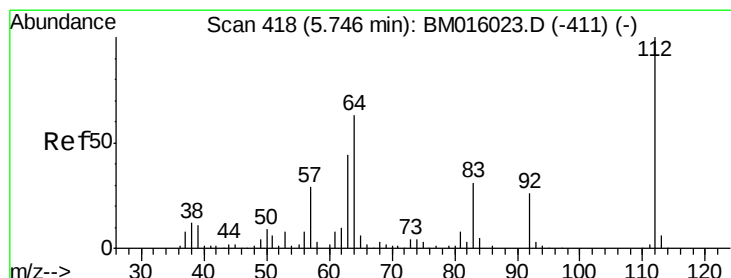
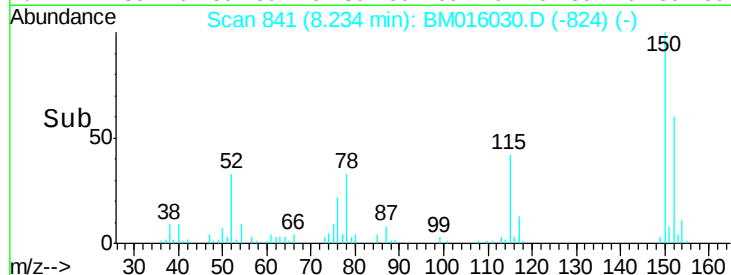
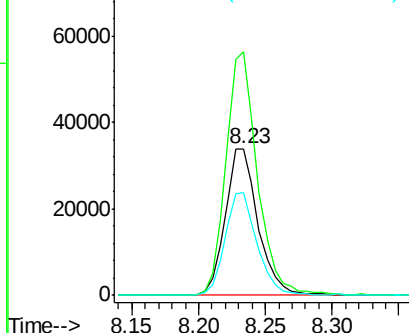
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Instrument :
BNA_M
ClientSampleId :
PB111227BL

Tgt Ion:152 Resp: 58331
Ion Ratio Lower Upper
152 100
150 165.8 119.5 179.3
115 70.4 43.0 64.4#



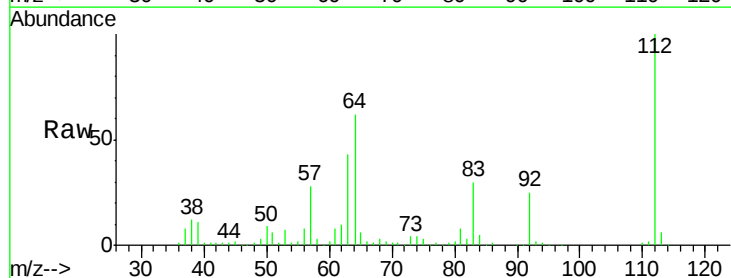
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



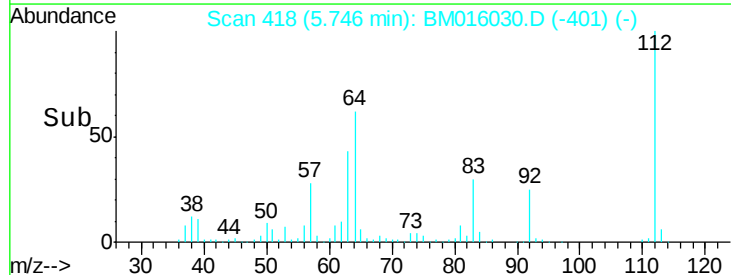
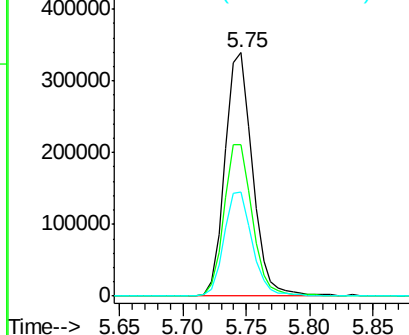
#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion:112 Resp: 510511
Ion Ratio Lower Upper
112 100
64 62.3 38.6 57.8#
63 42.7 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: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

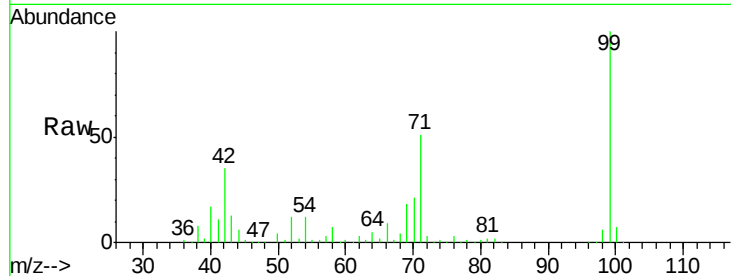
Tgt Ion: 99 Resp: 632188

Ion Ratio Lower Upper

99 100

42 34.7 11.0 16.4#

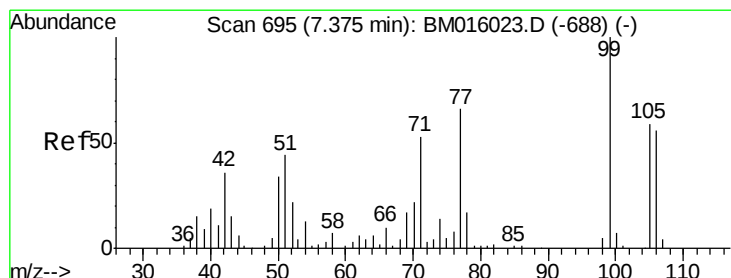
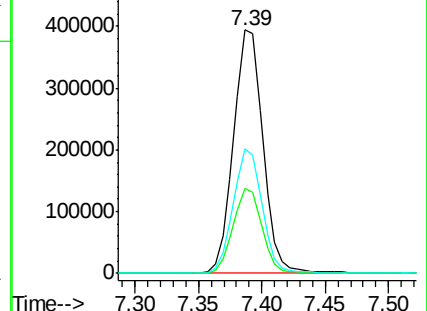
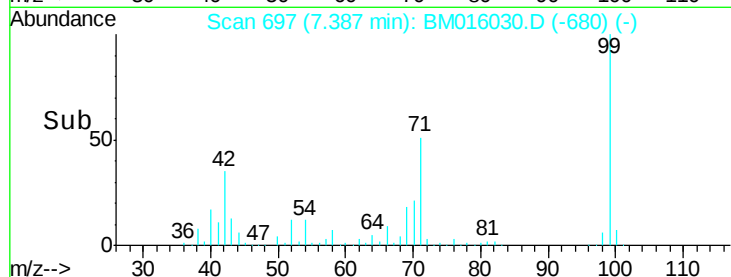
71 51.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016030.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016030.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016030.D (-680) (-)



#9

Benzaldehyde

Concen: 0.559 ng

RT: 7.39 min Scan# 697

Delta R.T. 0.01 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

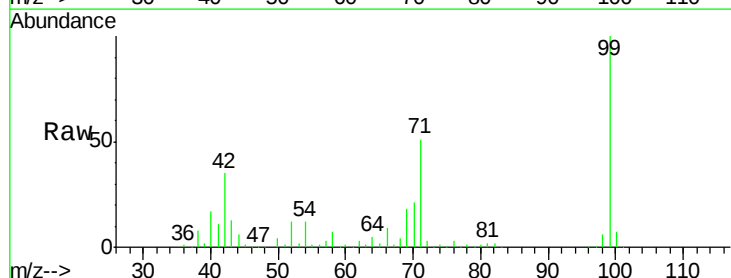
Tgt Ion: 77 Resp: 1802

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

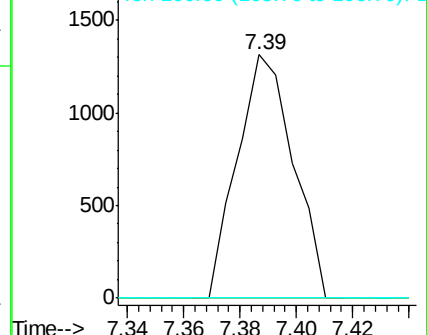
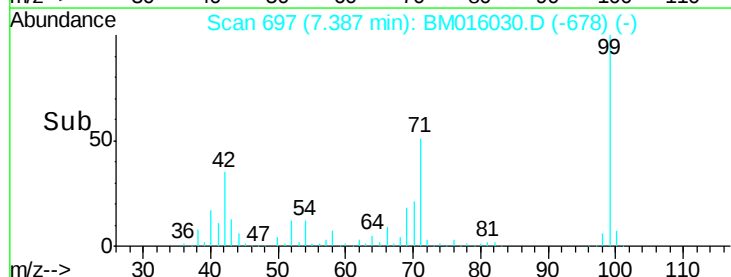
106 0.0 73.7 113.7#

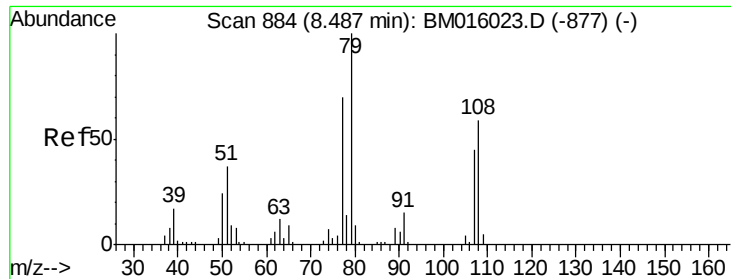


Abundance Ion 77.00 (76.70 to 77.70): BM016030.D (-678) (-)

Ion 105.00 (104.70 to 105.70): BM016030.D (-678) (-)

Ion 106.00 (105.70 to 106.70): BM016030.D (-678) (-)

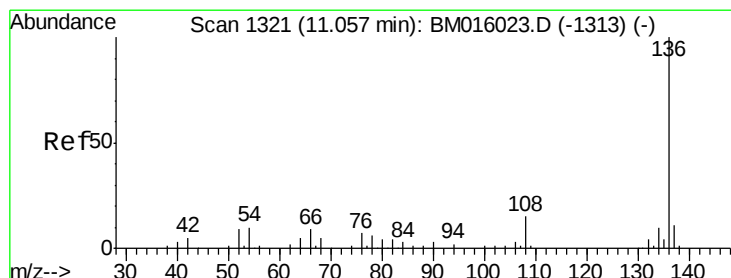
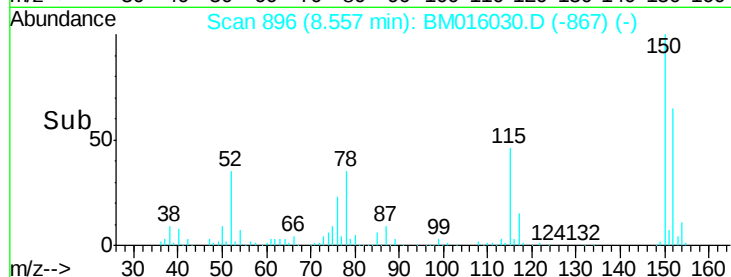
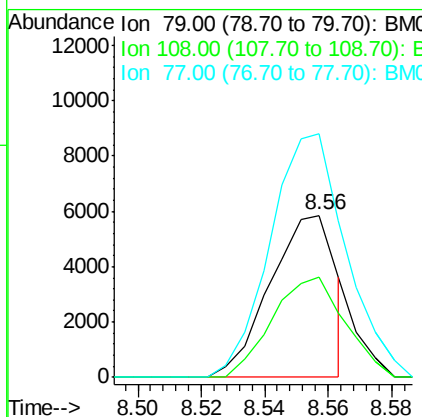
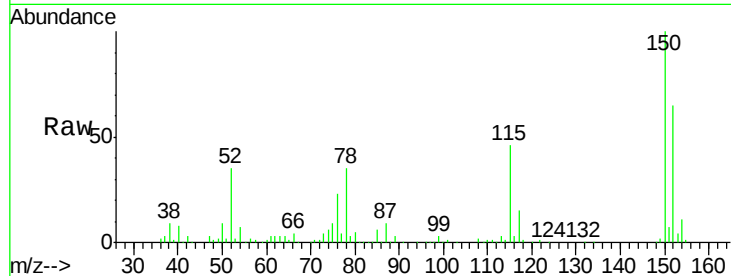




#15
Benzyl Alcohol
Concen: 2.313 ng
RT: 8.56 min Scan# 896
Delta R.T. 0.07 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

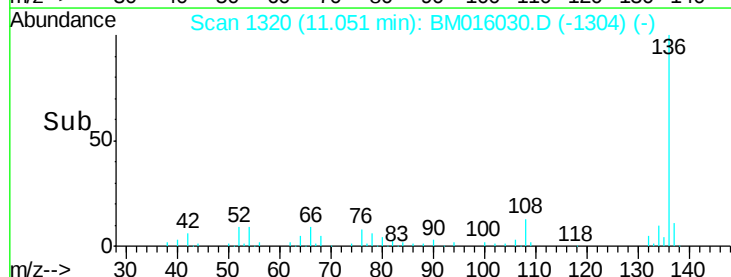
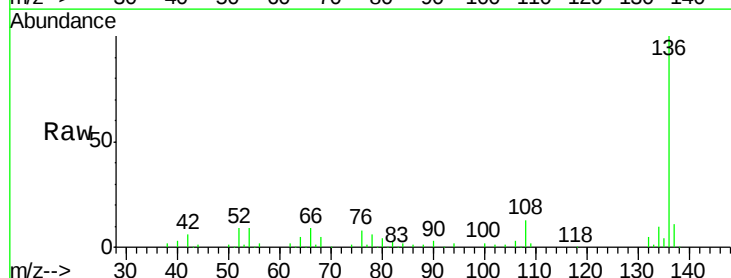
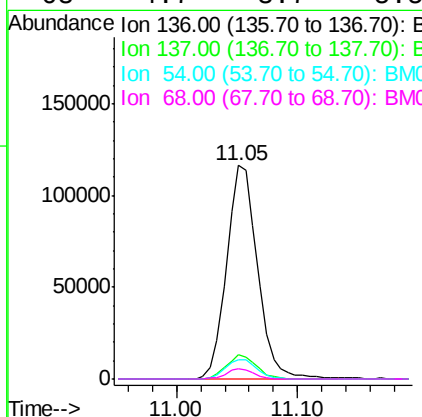
Instrument :
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PB111227BL

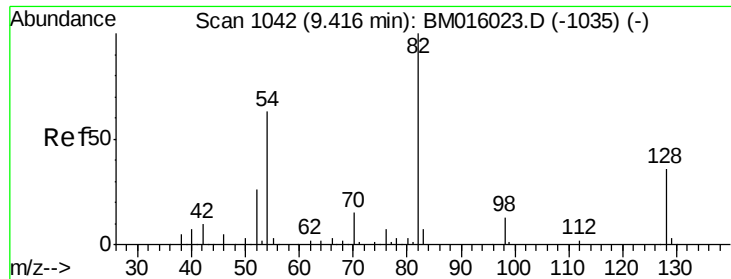
Tgt Ion: 79 Resp: 8447
Ion Ratio Lower Upper
79 100
108 62.3 65.0 97.4#
77 150.5 53.0 79.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion: 136 Resp: 207603
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.8 4.6 6.8#
68 4.7 3.7 5.5

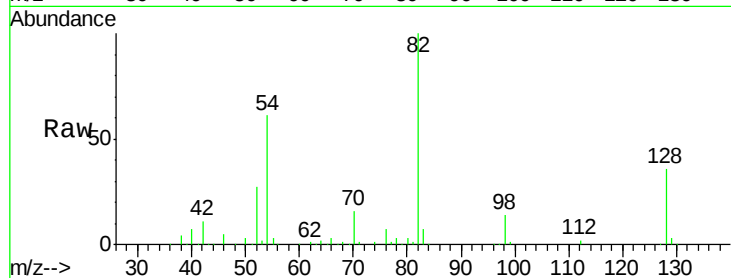




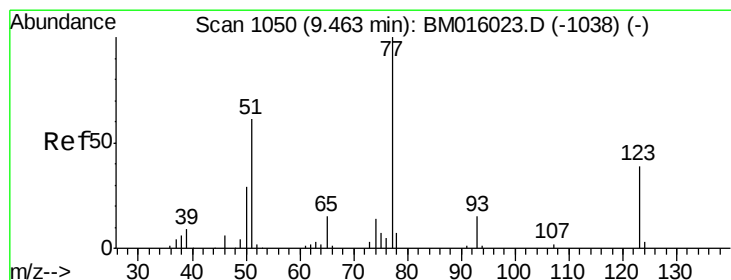
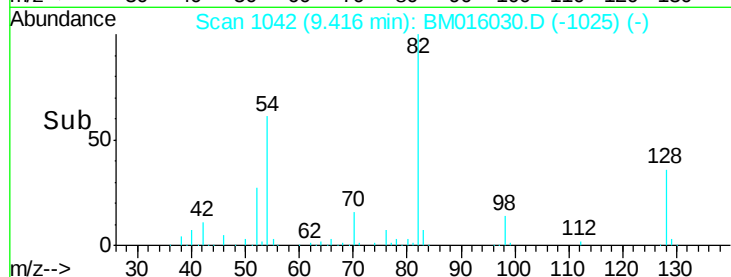
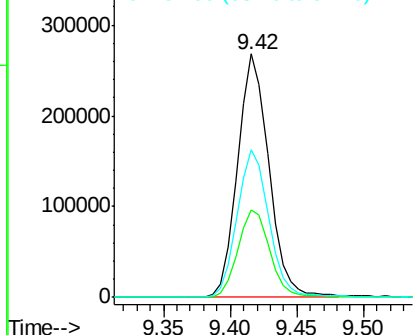
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Instrument :
BNA_M
ClientSampleId :
PB111227BL

Tgt Ion: 82 Resp: 435631
Ion Ratio Lower Upper
82 100
128 36.1 32.8 49.2
54 60.8 40.6 60.8

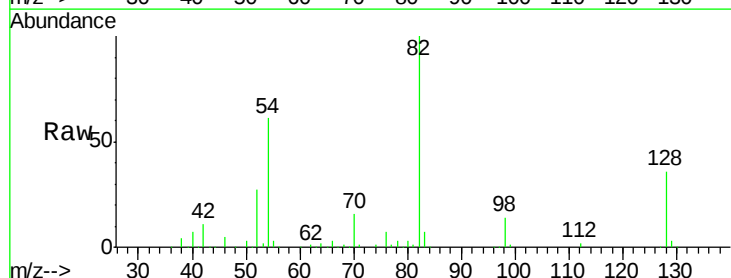


Abundance Ion 82.00 (81.70 to 82.70): BM016030.D (-1025) (-)
Ion 128.00 (127.70 to 128.70): BM016030.D (-1025) (-)
Ion 54.00 (53.70 to 54.70): BM016030.D (-1025) (-)

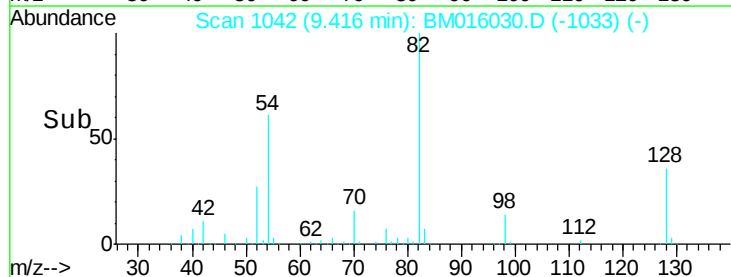
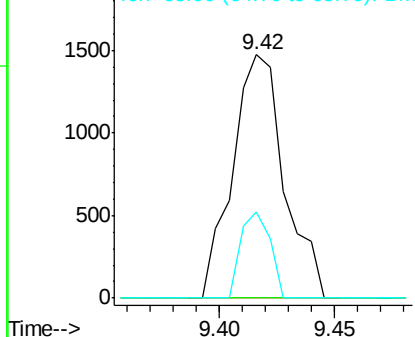


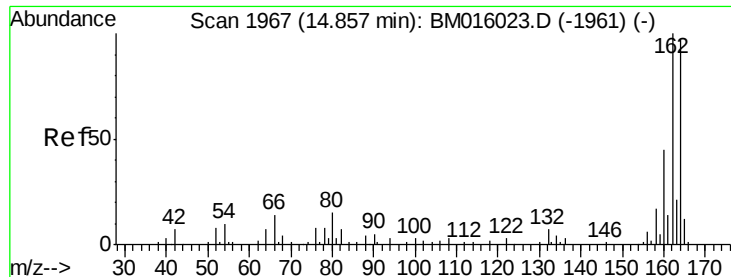
#24
Nitrobenzene
Concen: 0.514 ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion: 77 Resp: 2308
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 35.5 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BM016030.D (-1033) (-)
Ion 123.00 (122.70 to 123.70): BM016030.D (-1033) (-)
Ion 65.00 (64.70 to 65.70): BM016030.D (-1033) (-)





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

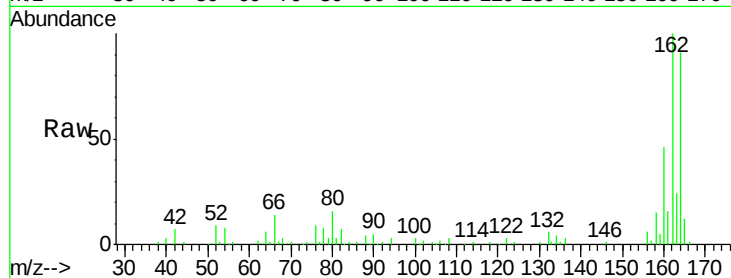
Tgt Ion:164 Resp: 111587

Ion Ratio Lower Upper

164 100

162 109.7 82.4 123.6

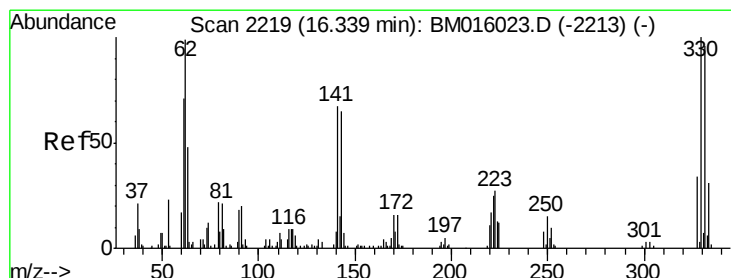
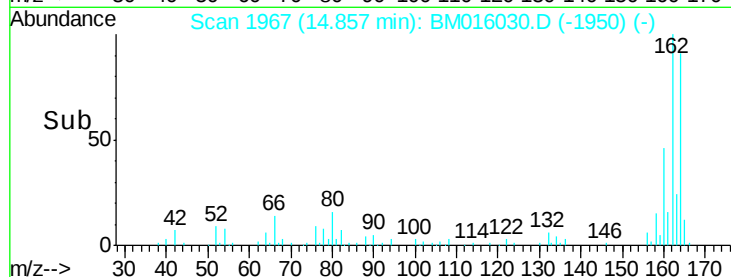
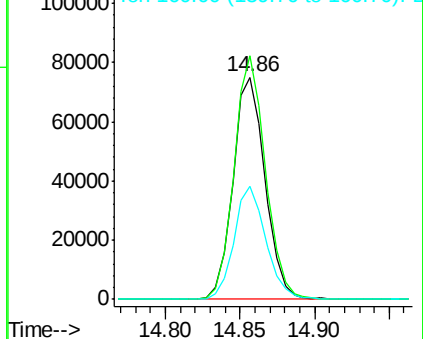
160 50.8 35.8 53.6



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: 16.34 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

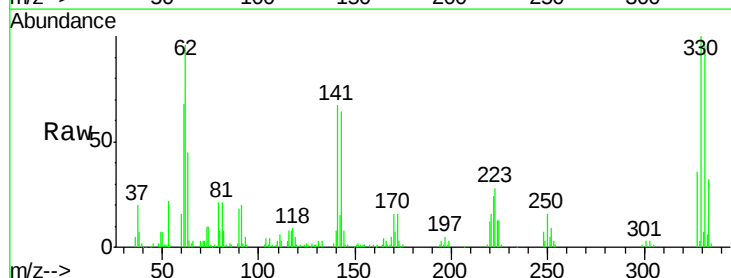
Tgt Ion:330 Resp: 197210

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

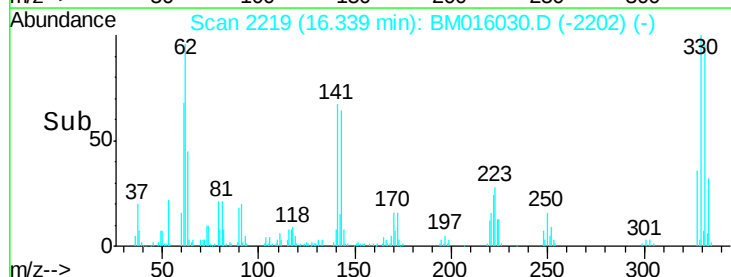
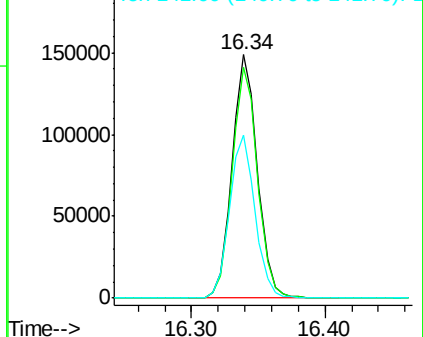
141 67.7 0.0 0.0#

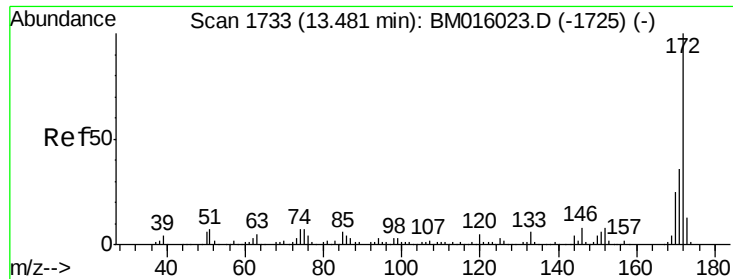


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

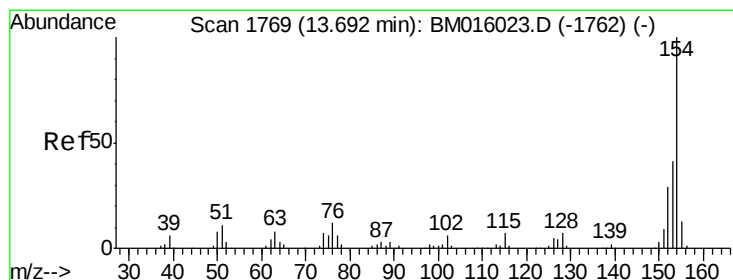
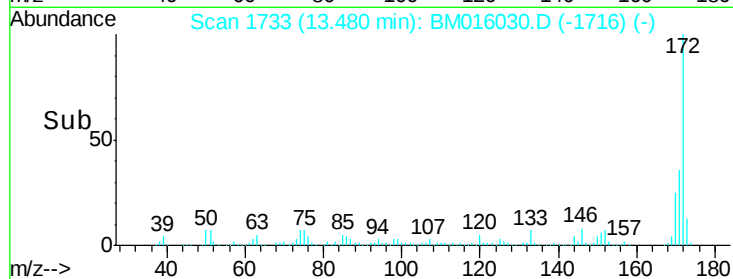
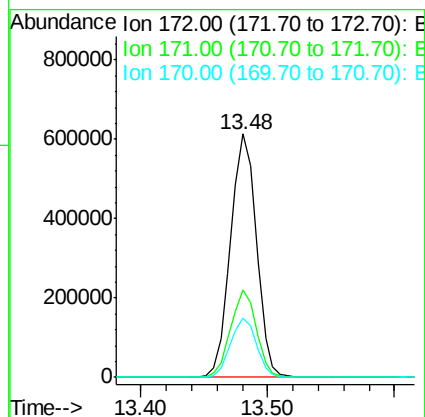
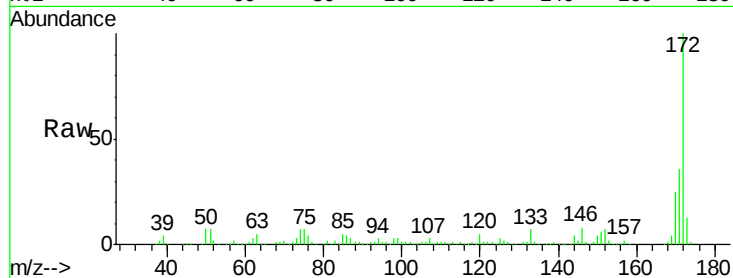




#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016030.D
 Acq: 23 Jul 2018 17:46

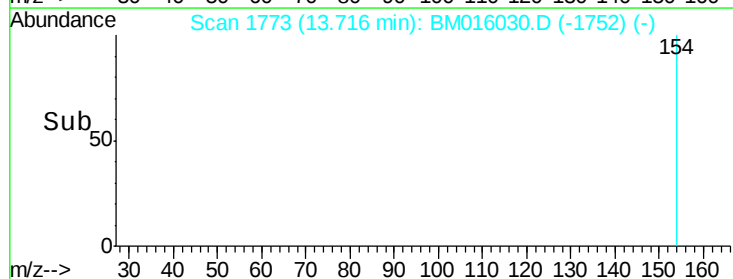
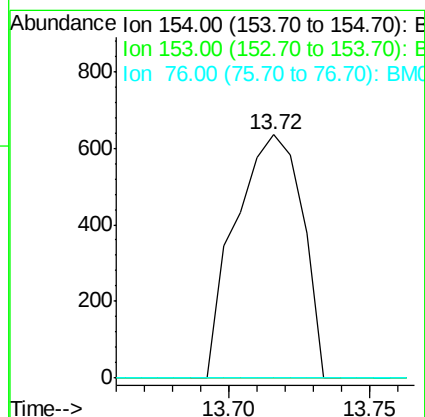
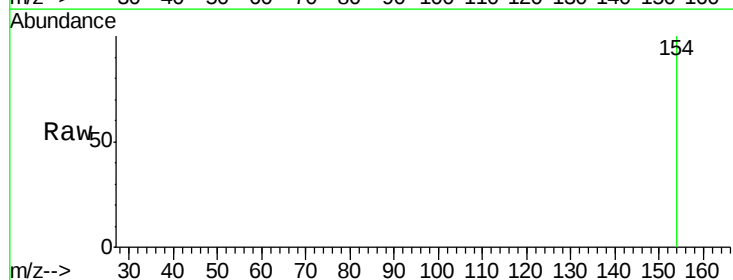
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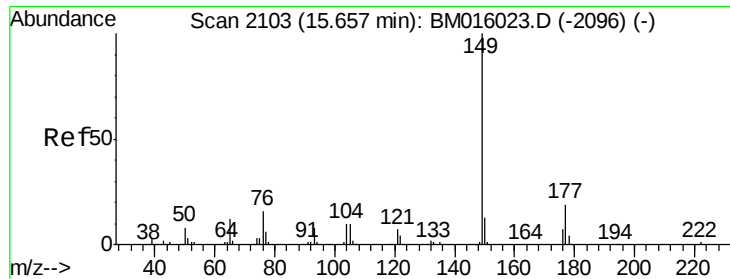
Tgt Ion:172 Resp: 864903
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.5 42.7
 170 24.5 18.8 28.2



#45
 1,1'-Biphenyl
 Concen: 0.103 ng
 RT: 13.72 min Scan# 1773
 Delta R.T. 0.02 min
 Lab File: BM016030.D
 Acq: 23 Jul 2018 17:46

Tgt Ion:154 Resp: 1042
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.7 60.7#
 76 0.0 0.0 30.9

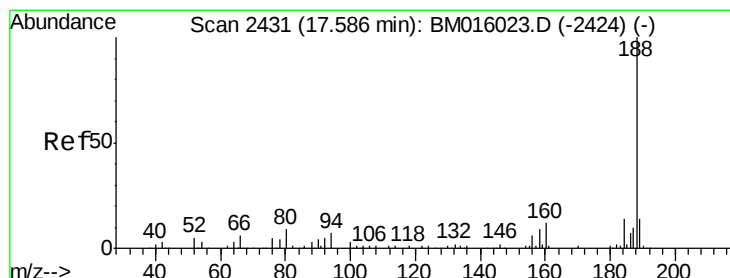
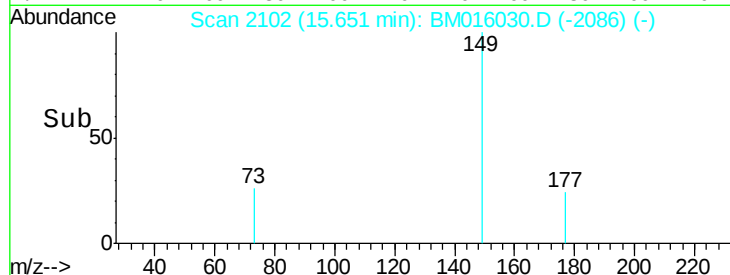
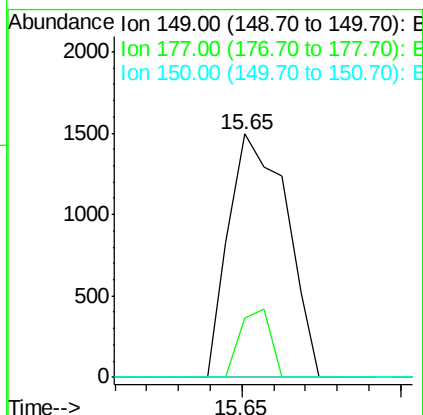
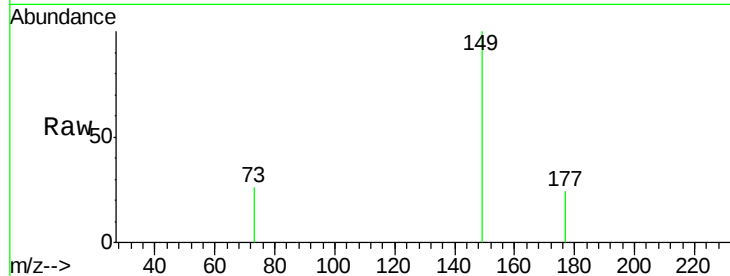




#59
Diethylphthalate
Concen: 0.180 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

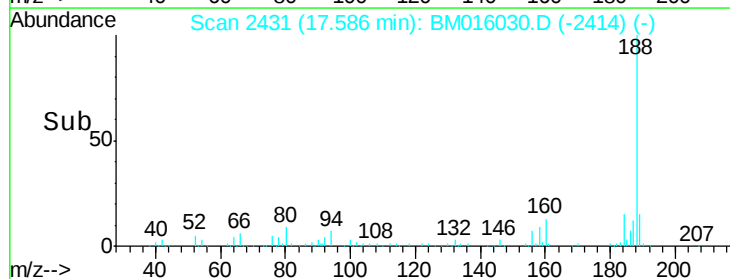
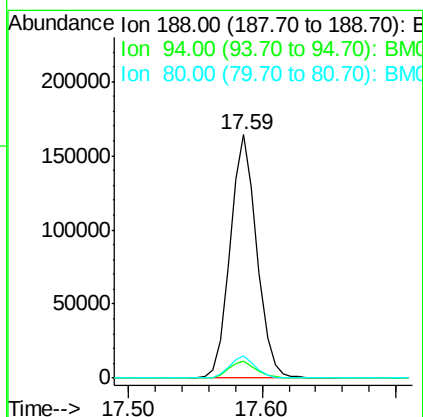
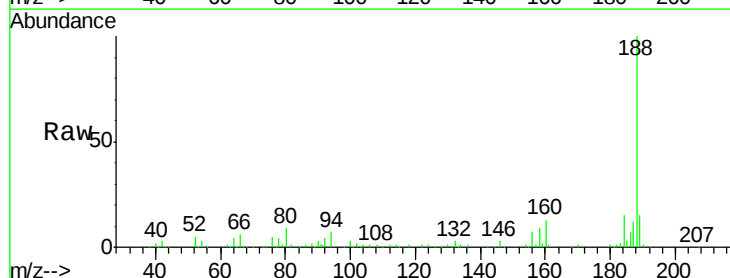
Instrument :
BNA_M
ClientSampleId :
PB111227BL

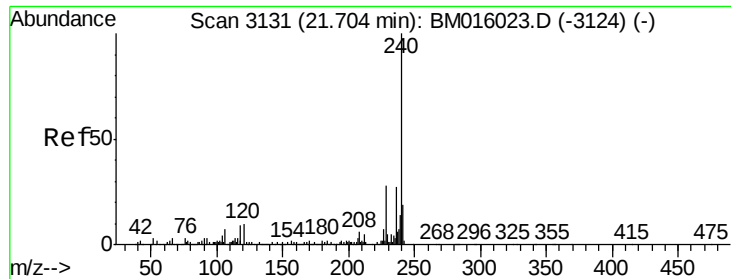
Tgt Ion:149 Resp: 1898
Ion Ratio Lower Upper
149 100
177 24.5 18.3 27.5
150 0.0 9.8 14.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion:188 Resp: 228913
Ion Ratio Lower Upper
188 100
94 7.0 8.7 13.1#
80 9.0 9.3 13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

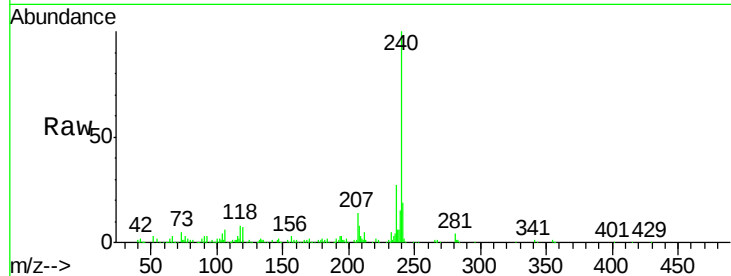
Tgt Ion:240 Resp: 229647

Ion Ratio Lower Upper

240 100

120 7.5 8.2 12.2#

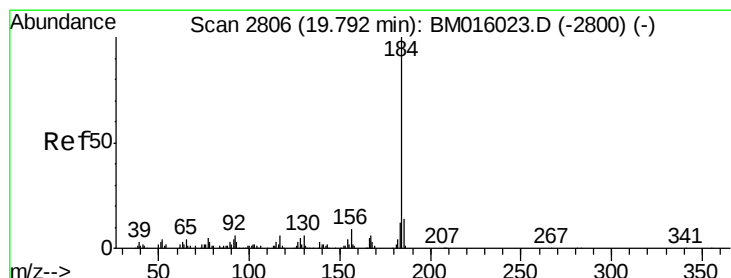
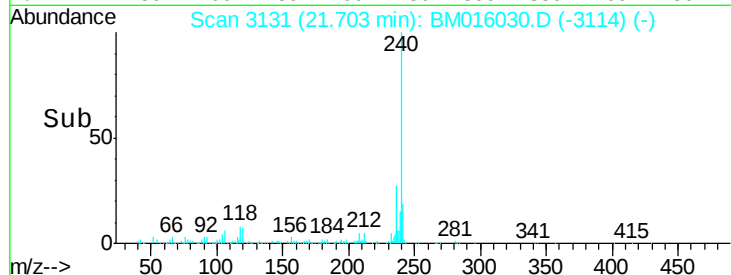
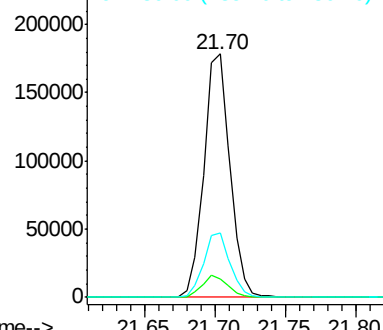
236 26.6 20.0 30.0



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



#76

Benzidine

Concen: 0.039 ng

RT: 19.84 min Scan# 2814

Delta R.T. 0.05 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

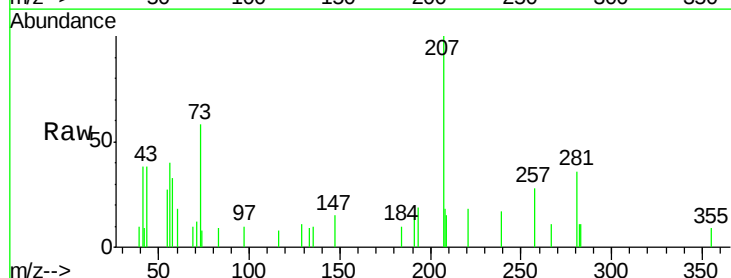
Tgt Ion:184 Resp: 252

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

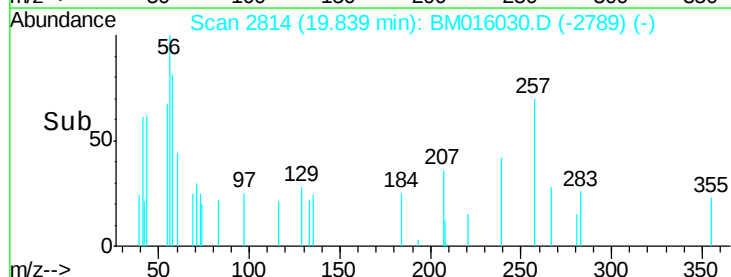
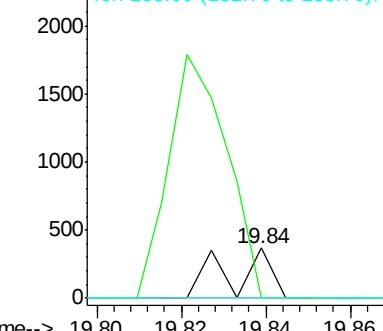
183 0.0 8.9 13.3#

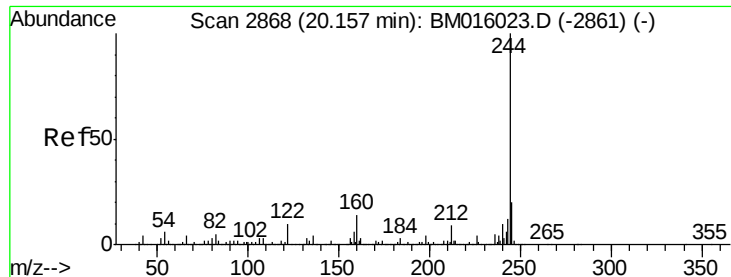


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

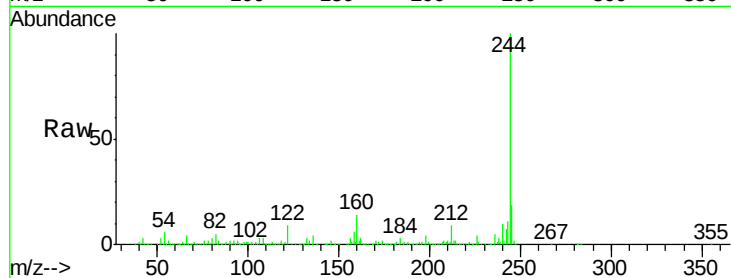
Tgt Ion:244 Resp: 1248877

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

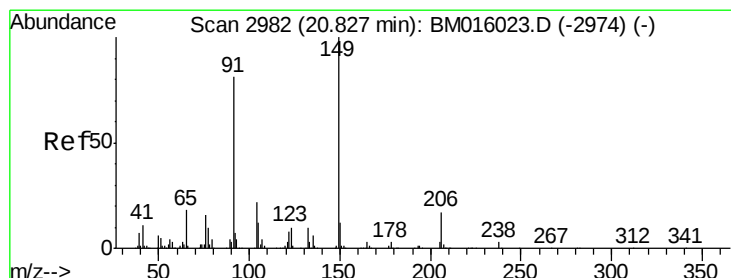
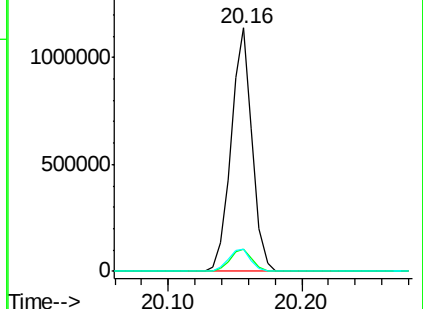
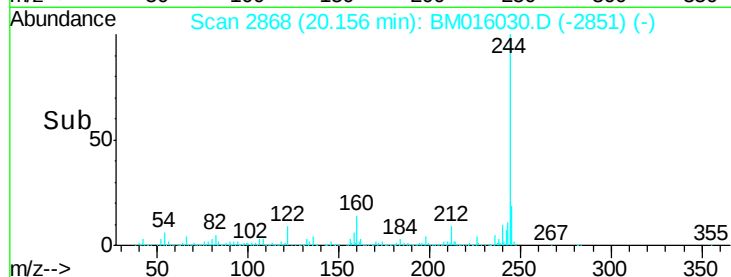
122 9.1 6.2 9.4



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: 0.020 ng

RT: 20.82 min Scan# 2980

Delta R.T. -0.01 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

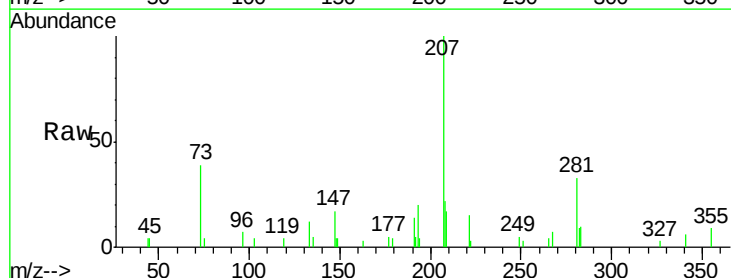
Tgt Ion:149 Resp: 143

Ion Ratio Lower Upper

149 100

91 0.0 50.1 75.1#

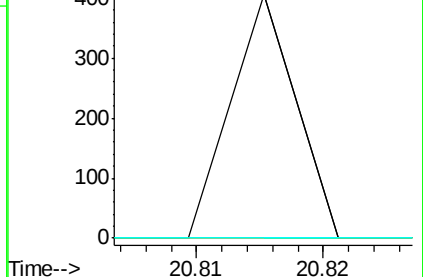
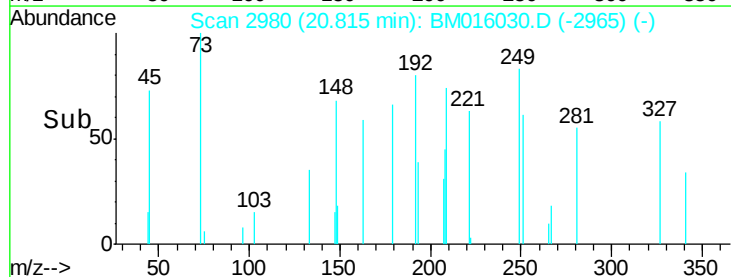
206 0.0 16.2 24.2#

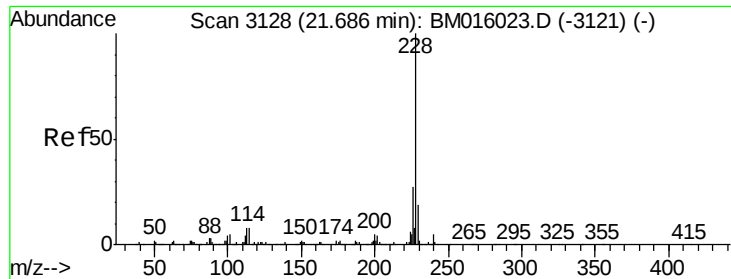


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.050 ng

RT: 21.70 min Scan# 3130

Delta R.T. 0.01 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

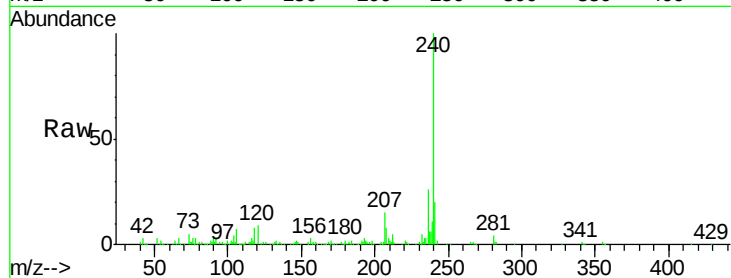
Tgt Ion:228 Resp: 707

Ion Ratio Lower Upper

228 100

226 0.0 21.7 32.5#

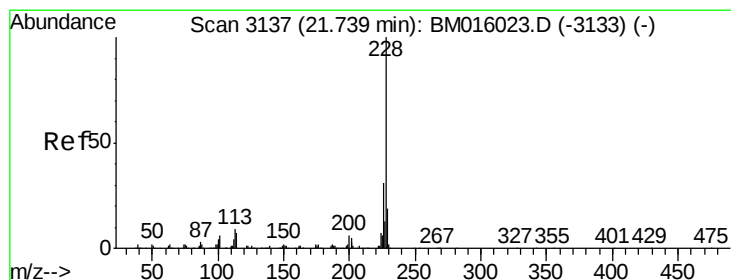
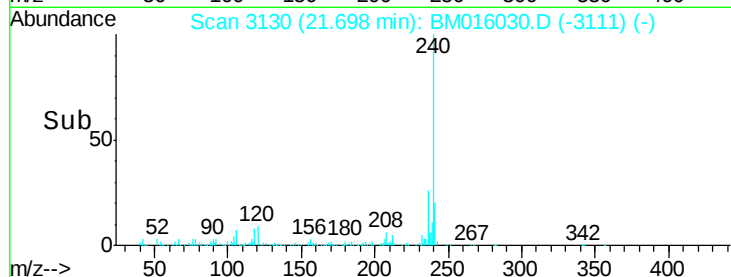
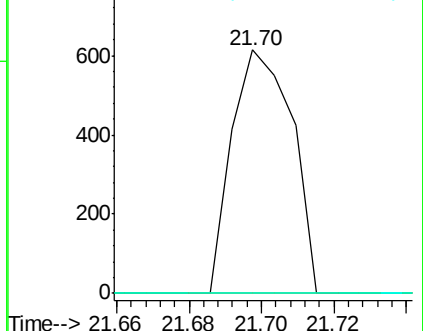
229 0.0 16.0 24.0#



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: 0.052 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.04 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

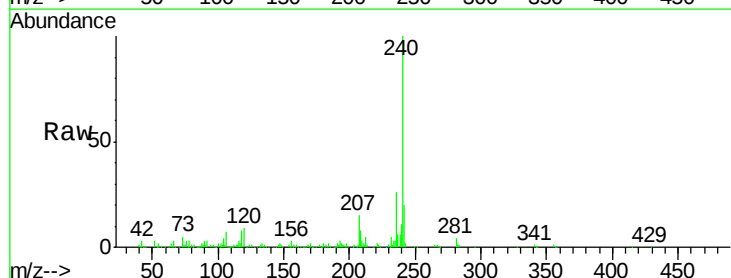
Tgt Ion:228 Resp: 707

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

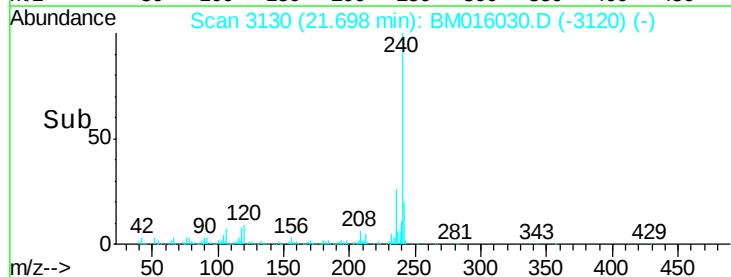
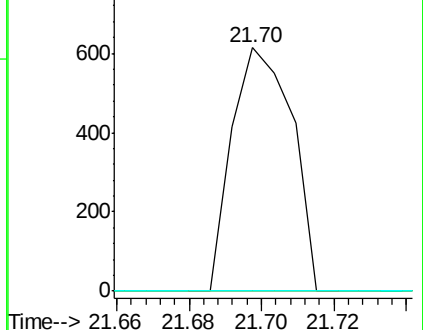
229 0.0 15.5 23.3#

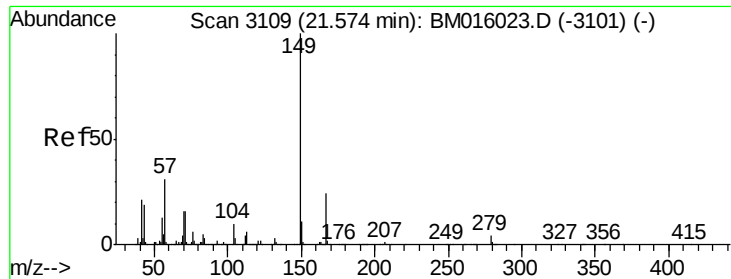


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.012 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

Instrument :

BNA_M

ClientSampleId :

PB111227BL

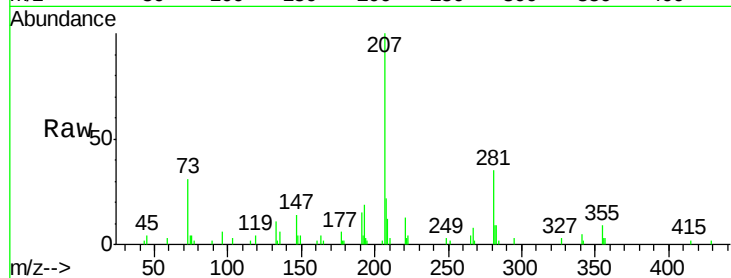
Tgt Ion:149 Resp: 122

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

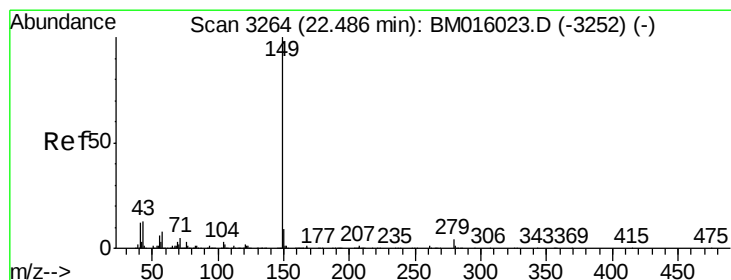
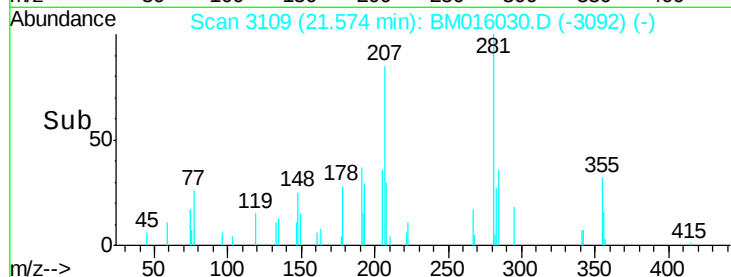
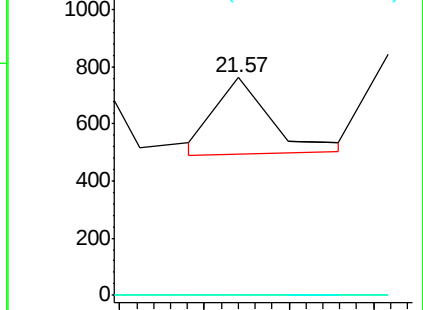
279 0.0 3.4 5.0#



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: 0.025 ng

RT: 22.47 min Scan# 3262

Delta R.T. -0.01 min

Lab File: BM016030.D

Acq: 23 Jul 2018 17:46

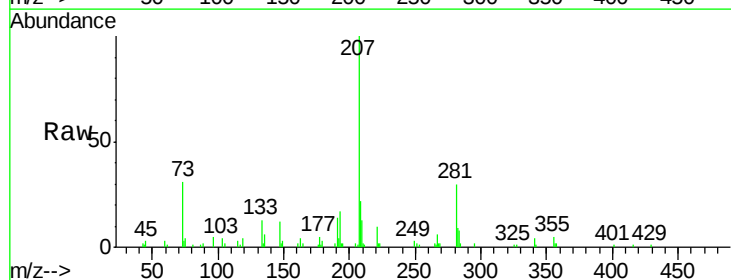
Tgt Ion:149 Resp: 420

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

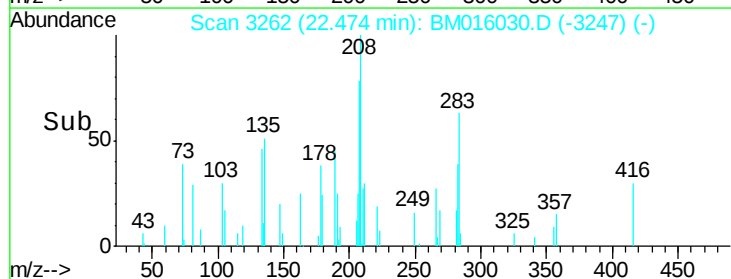
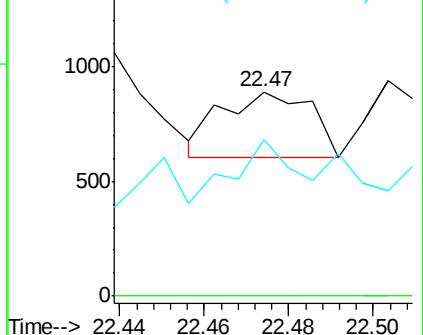
43 64.0 7.3 10.9#

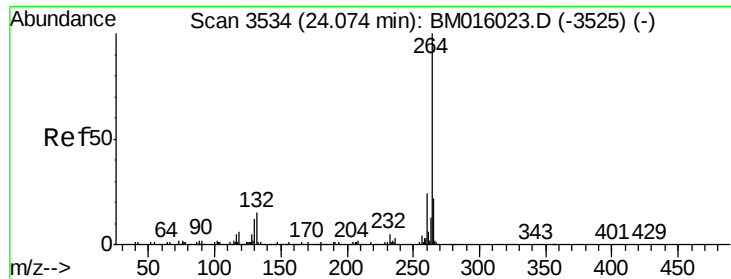


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



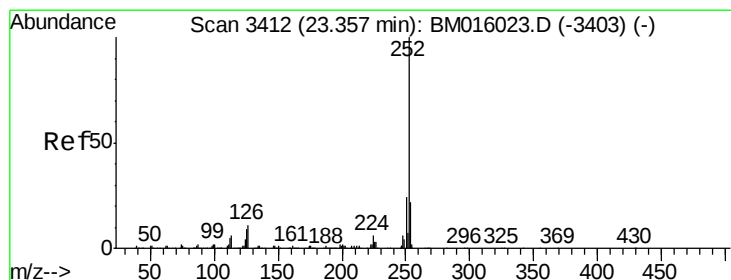
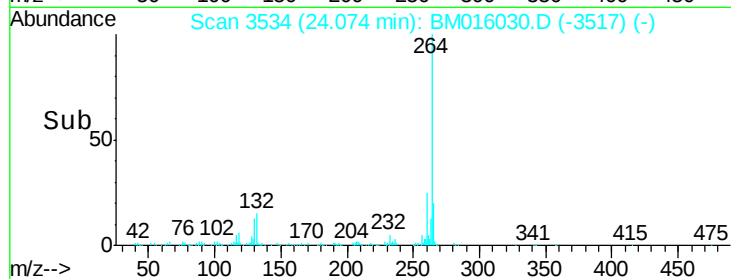
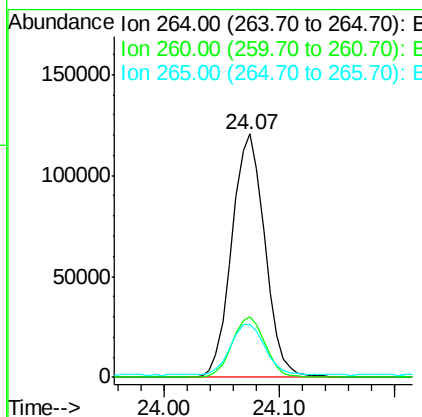
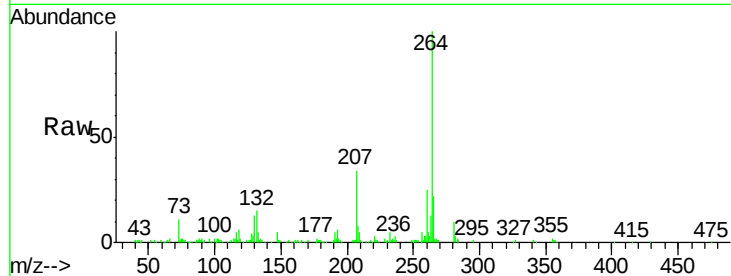


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Instrument :
BNA_M
ClientSampleId :
PB111227BL

Tgt Ion: 264 Resp: 239933

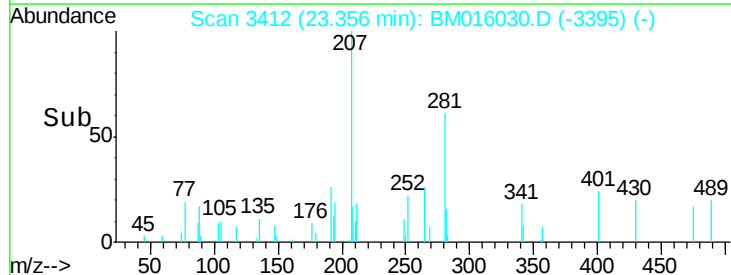
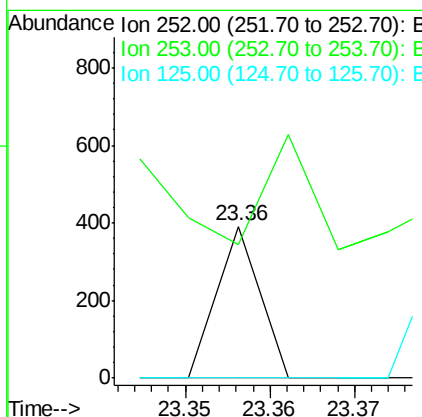
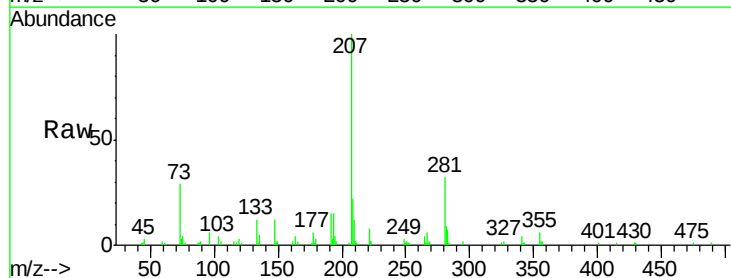
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	21.7	17.3	25.9

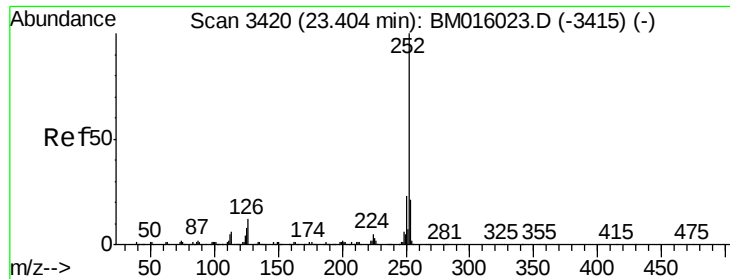


#87
Benzo(b)fluoranthene
Concen: 0.010 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion: 252 Resp: 138

Ion	Ratio	Lower	Upper
252	100		
253	87.8	18.0	27.0#
125	0.0	9.9	14.9#

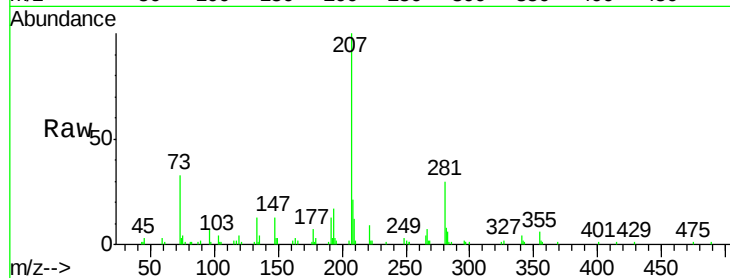




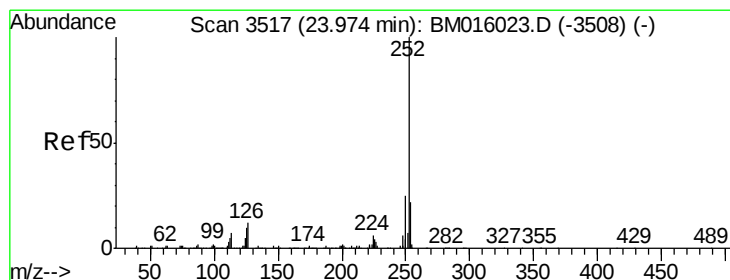
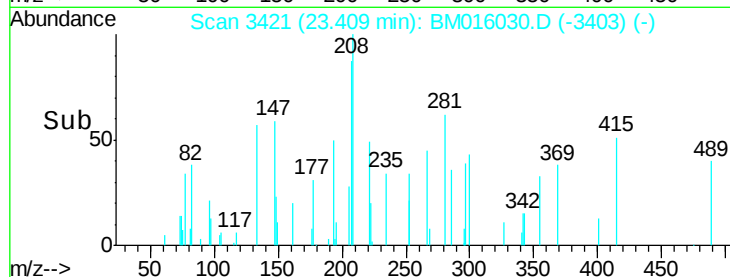
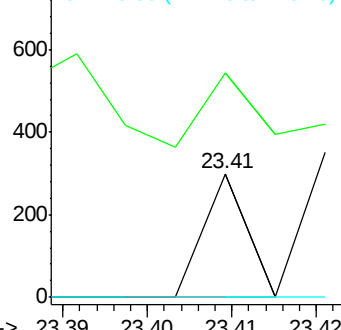
#88
Benzo(k)fluoranthene
Concen: 0.007 ng
RT: 23.41 min Scan# 3421
Delta R.T. 0.01 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Instrument :
BNA_M
ClientSampleId :
PB111227BL

Tgt Ion:252 Resp: 106
Ion Ratio Lower Upper
252 100
253 181.0 17.2 25.8#
125 0.0 8.1 12.1#

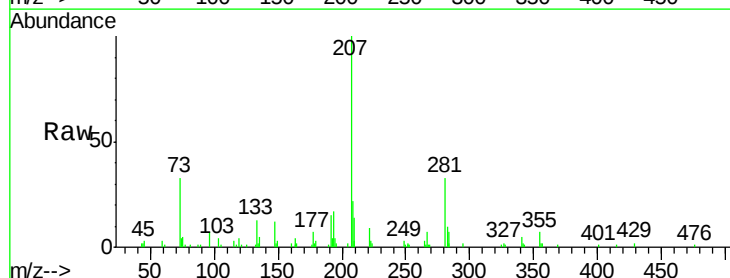


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 0.008 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016030.D
Acq: 23 Jul 2018 17:46

Tgt Ion:252 Resp: 109
Ion Ratio Lower Upper
252 100
253 129.4 17.6 26.4#
125 97.7 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

