

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016086.D
 Acq On : 26 Jul 2018 23:37
 Operator : SJ/JU
 Sample : J4160-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 04:59:54 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	65430	20.00	ng	-0.03
21) Naphthalene-d8	11.02	136	244432	20.00	ng	-0.04
38) Acenaphthene-d10	14.83	164	129958	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	273057	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	215625	20.00	ng	-0.02
86) Perylene-d12	24.04	264	213384	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	164471	41.76	ng	-0.02
7) Phenol-d6	7.36	99	138411	26.91	ng	-0.03
23) Nitrobenzene-d5	9.39	82	560050	106.57	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	155192	94.15	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1117399	104.62	ng	-0.02
78) Terphenyl-d14	20.13	244	1244947	120.86	ng	-0.02

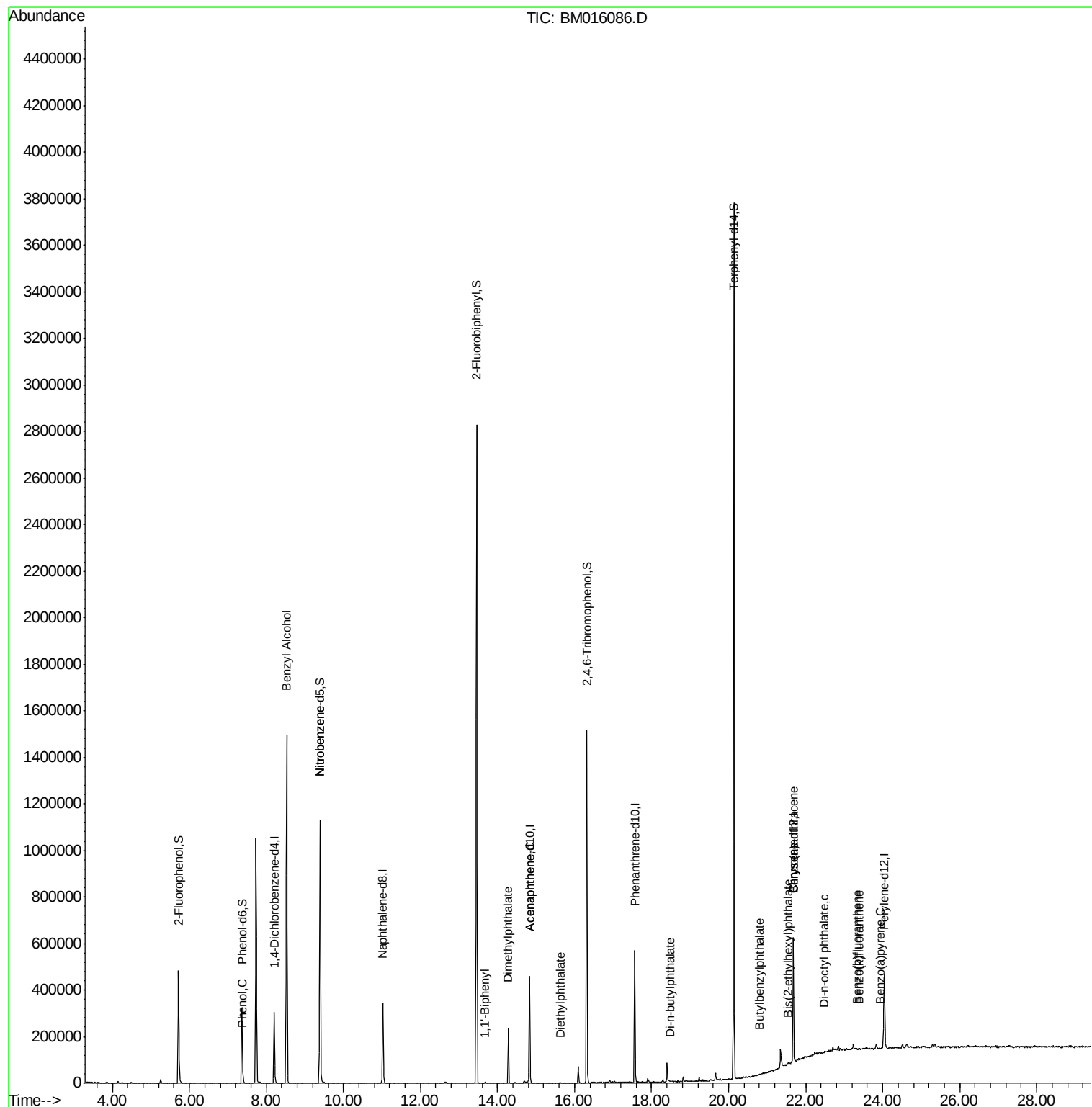
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.39	94	4186	0.814	ng	82
15) Benzyl Alcohol	8.53	79	9744	2.379	ng	# 33
24) Nitrobenzene	9.39	77	3046	0.576	ng	# 40
45) 1,1'-Biphenyl	13.67	154	1124	0.096	ng	93
49) Dimethylphthalate	14.28	163	124995	10.990	ng	99
51) Acenaphthene	14.83	154	271	0.033	ng	# 5
59) Diethylphthalate	15.63	149	785	0.064	ng	# 58
73) Di-n-butylphthalate	18.49	149	762	0.040	ng	# 78
79) Butylbenzylphthalate	20.80	149	1207	0.184	ng	# 28
80) Benzo(a)anthracene	21.69	228	951	0.072	ng	# 51
82) Chrysene	21.69	228	951	0.075	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.56	149	2799	0.294	ng	# 82
84) Di-n-octyl phthalate	22.47	149	474	0.030	ng	# 31
87) Benzo(b)fluoranthene	23.33	252	706	0.056	ng	# 1
88) Benzo(k)fluoranthene	23.39	252	459	0.036	ng	# 1
89) Benzo(a)pyrene	23.94	252	237	0.020	ng	# 1

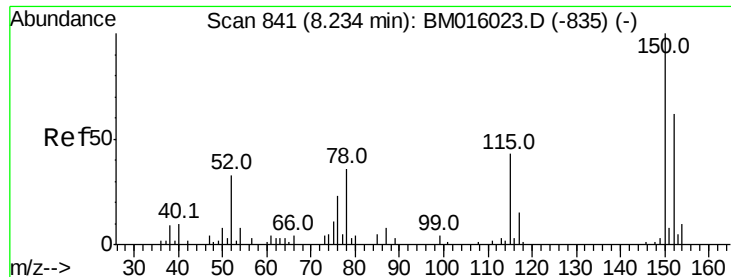
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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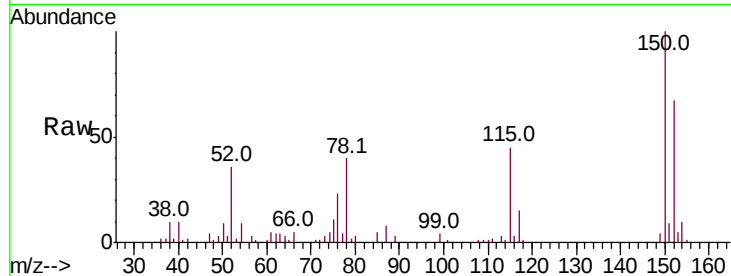


#1

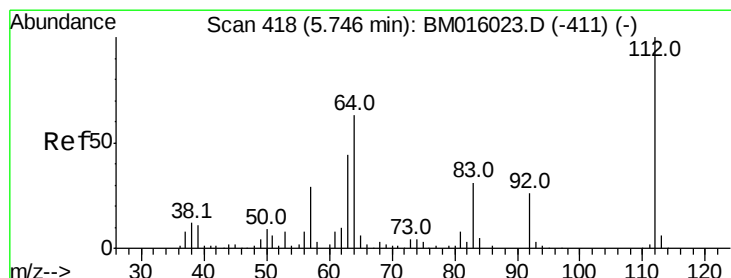
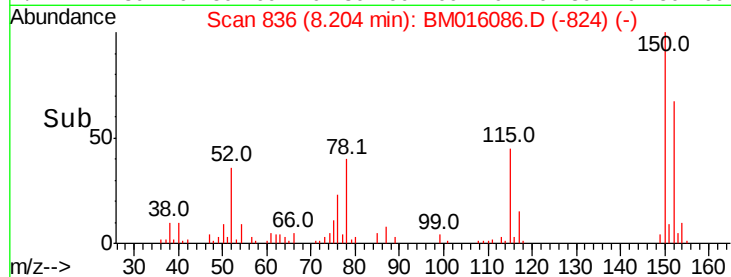
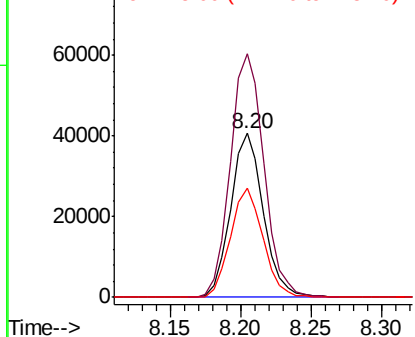
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 65430
Ion Ratio Lower Upper
152 100
150 148.8 119.5 179.3
115 66.7 43.0 64.4#



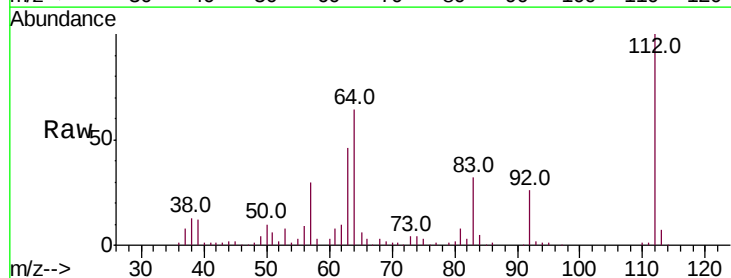
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



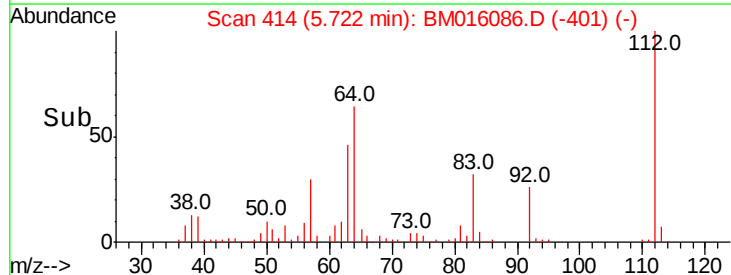
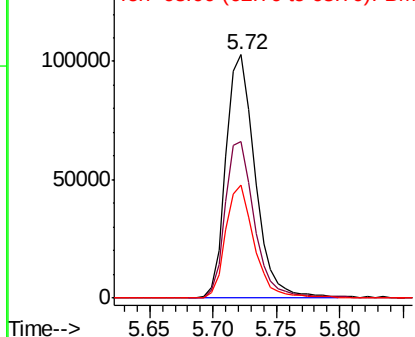
#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Tgt Ion:112 Resp: 164471
Ion Ratio Lower Upper
112 100
64 64.3 38.6 57.8#
63 46.2 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: 7.36 min Scan# 692

Delta R.T. -0.03 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampled :

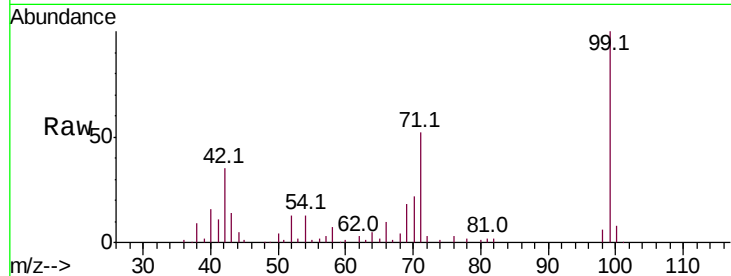
Tot Ion: 99 Resp: 138411

Ion Ratio Lower Upper

99 100

42 34.8 11.0 16.4#

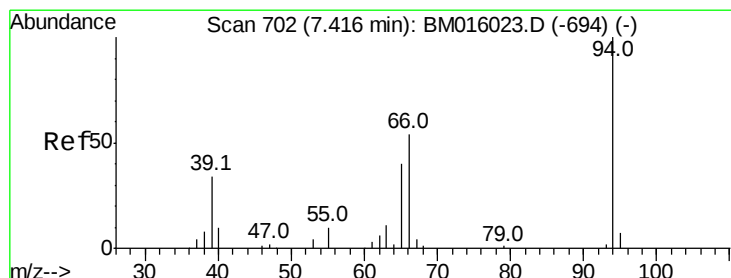
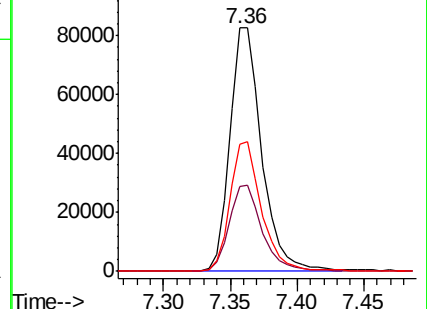
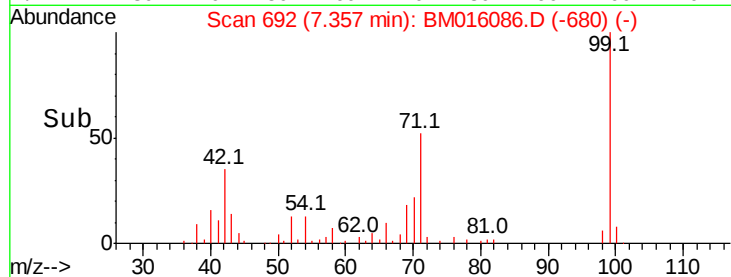
71 52.0 23.4 35.2#



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) (-)



#10

Phenol

Concen: 0.814 ng

RT: 7.39 min Scan# 698

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

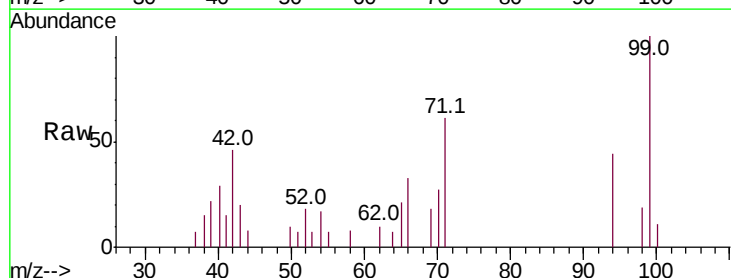
Tgt Ion: 94 Resp: 4186

Ion Ratio Lower Upper

94 100

65 47.9 18.8 58.8

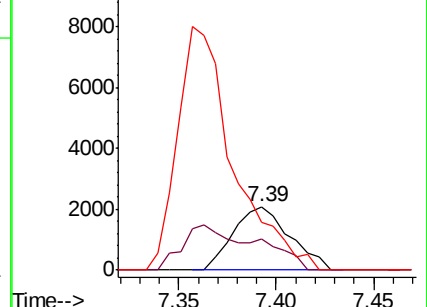
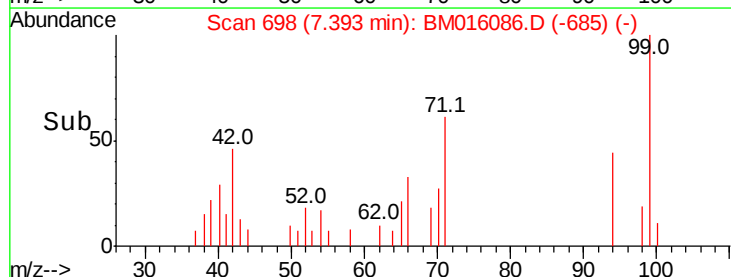
66 74.6 39.9 79.9

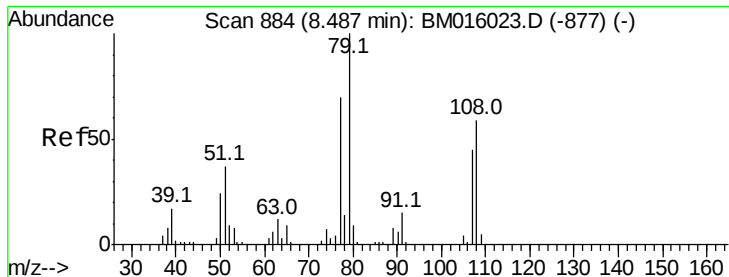


Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)





#15

Benzyl Alcohol

Concen: 2.379 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampled :

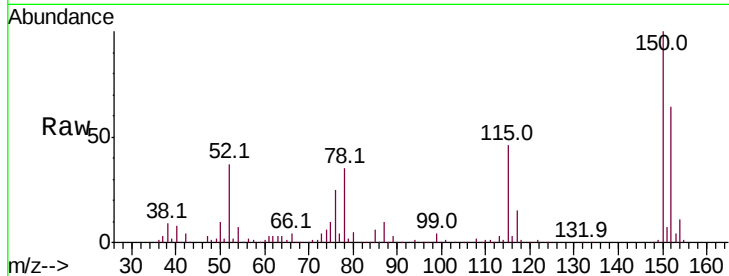
Tot Ion: 79 Resp: 9744

Ion Ratio Lower Upper

79 100

108 66.7 65.0 97.4

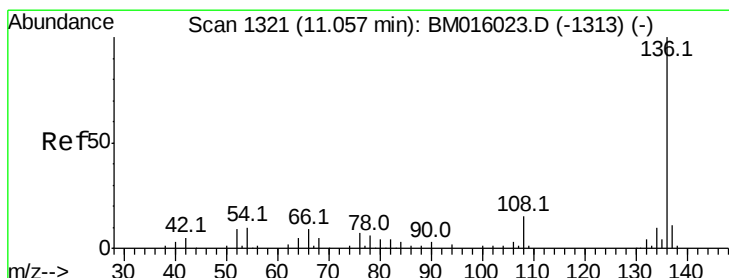
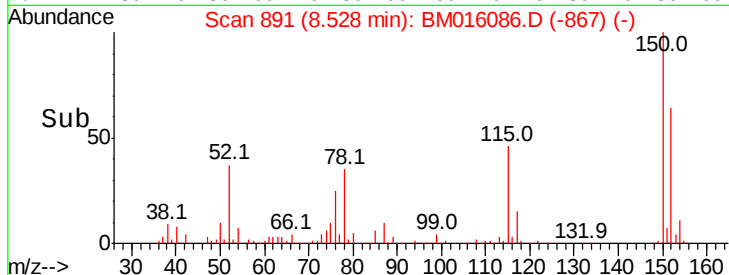
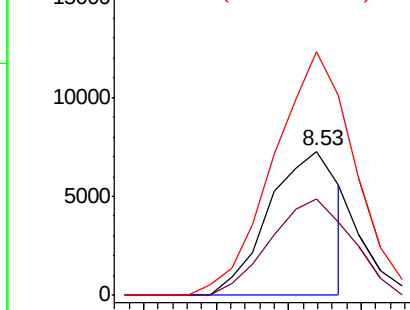
77 169.0 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016086.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM016086.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM016086.D (-867) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.02 min Scan# 1315

Delta R.T. -0.04 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Tgt Ion: 136 Resp: 244432

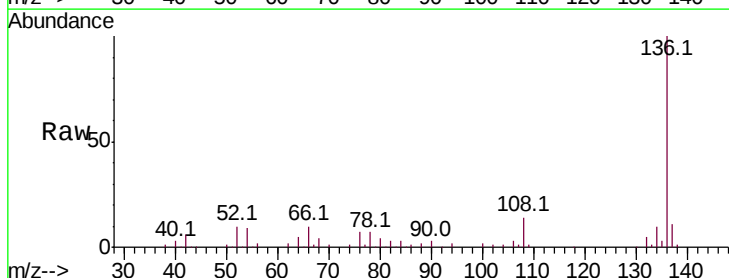
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.8 4.6 6.8#

68 3.8 3.7 5.5

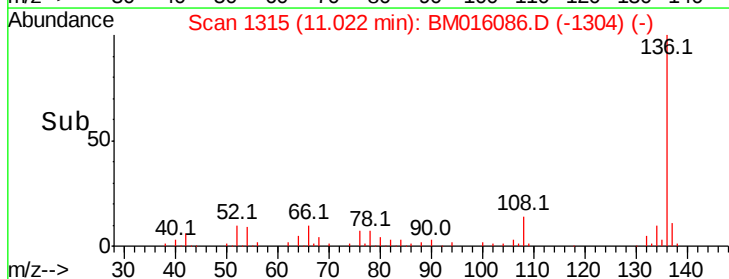
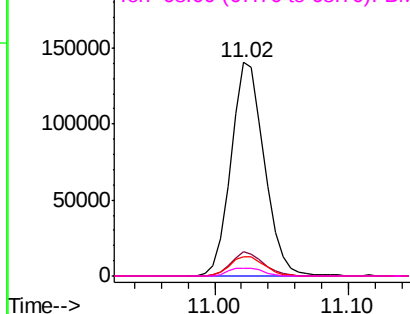


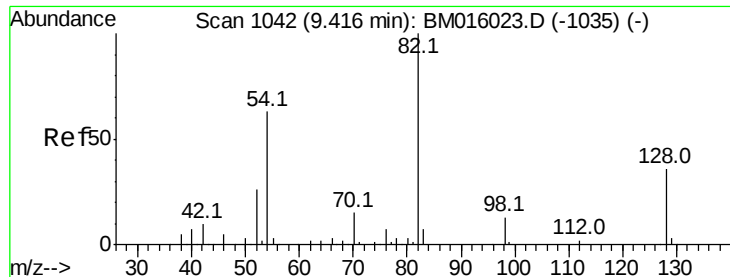
Abundance Ion 136.00 (135.70 to 136.70): BM016086.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016086.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016086.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016086.D (-1304) (-)

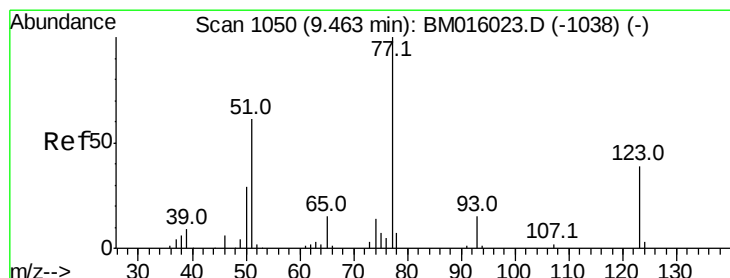
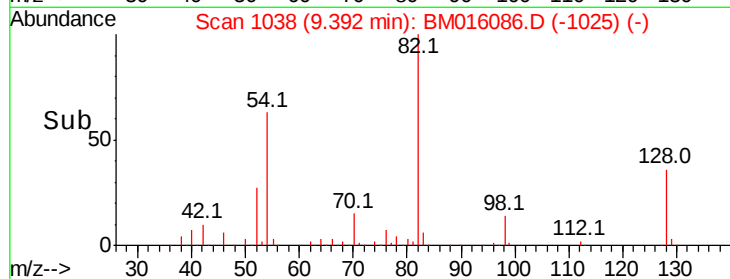
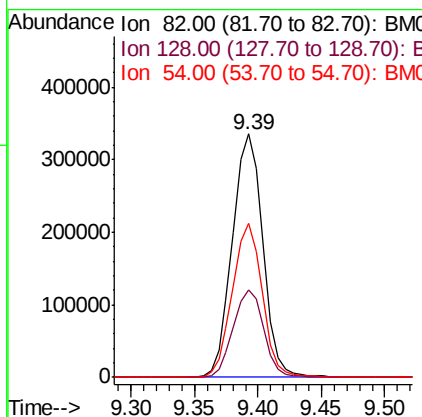
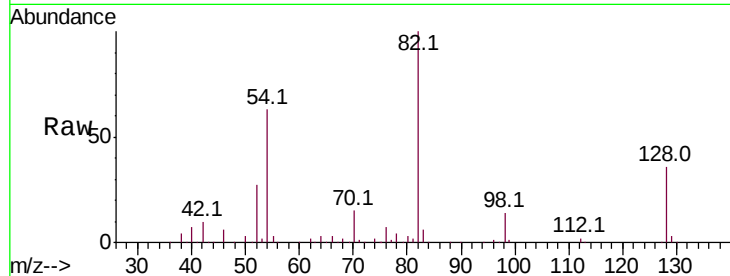




#23
Nitrobenzene-d5
Concen: N.D. na
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

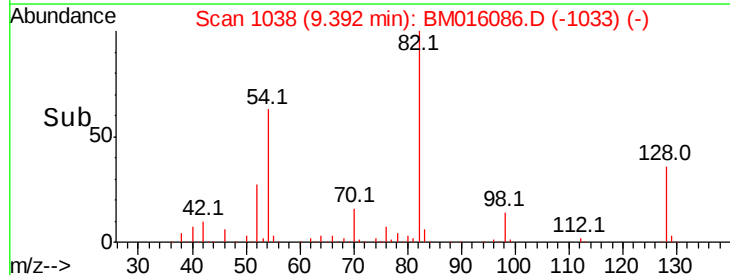
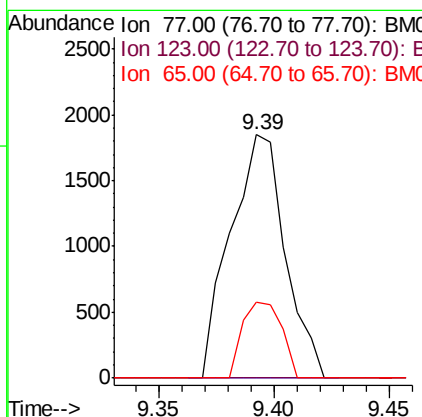
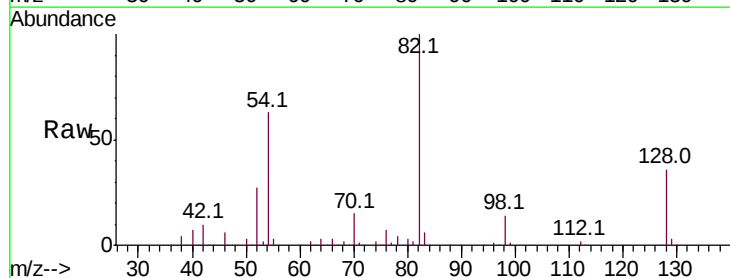
Instrument :
BNA_M
ClientSampleId :

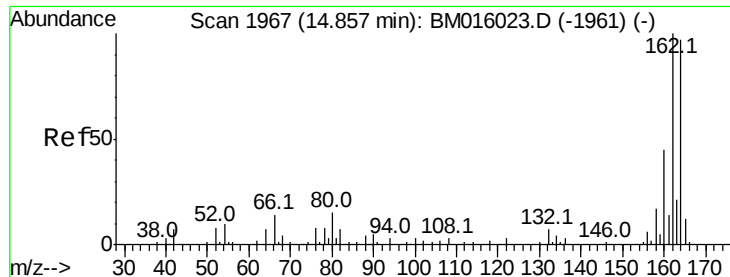
Tot Ion: 82 Resp: 560050
Ion Ratio Lower Upper
82 100
128 35.9 32.8 49.2
54 63.2 40.6 60.8#



#24
Nitrobenzene
Concen: 0.576 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Tgt Ion: 77 Resp: 3046
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 31.4 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: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampleId :

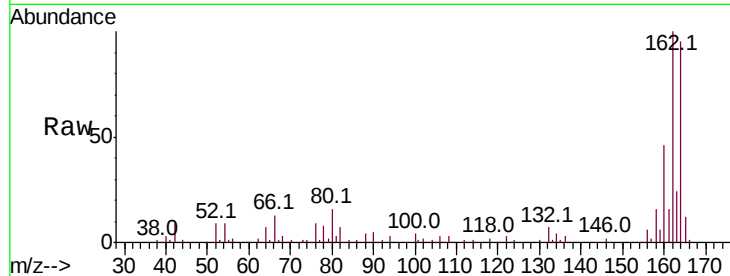
Tot Ion:164 Resp: 129958

Ion Ratio Lower Upper

164 100

162 105.1 82.4 123.6

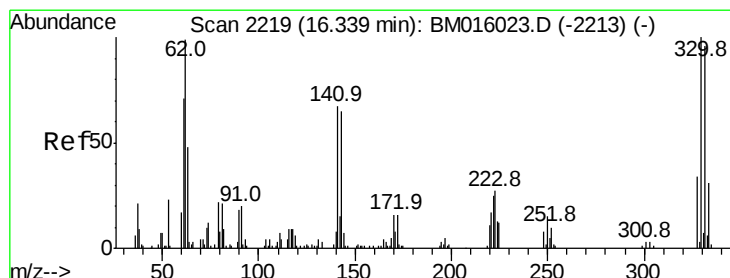
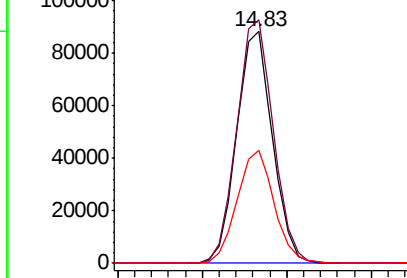
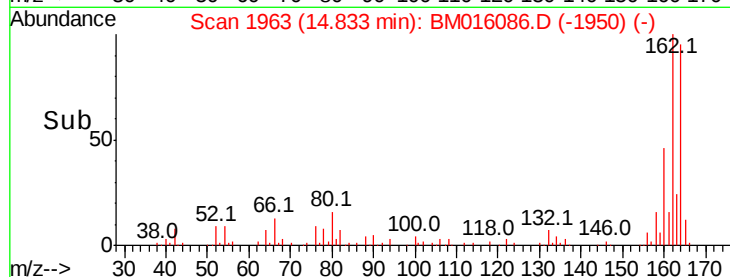
160 48.6 35.8 53.6



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# 2215

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

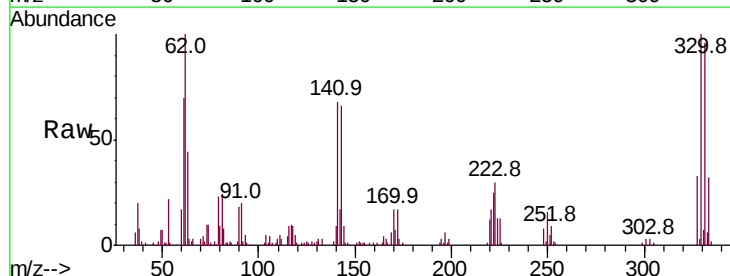
Tgt Ion:330 Resp: 155192

Ion Ratio Lower Upper

330 100

332 95.7 0.0 0.0#

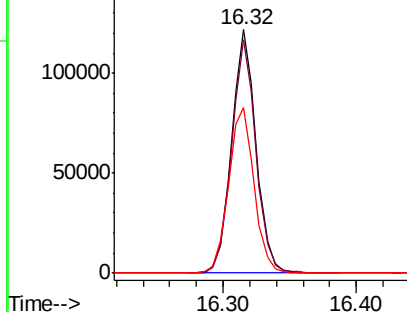
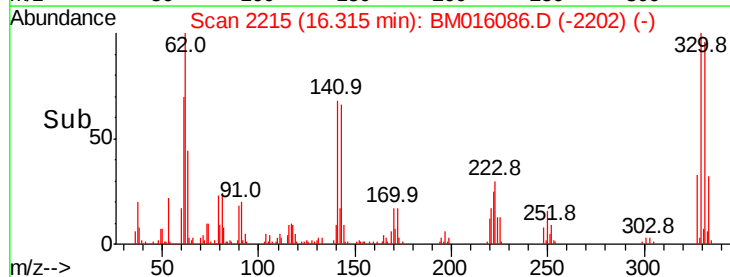
141 71.3 0.0 0.0#

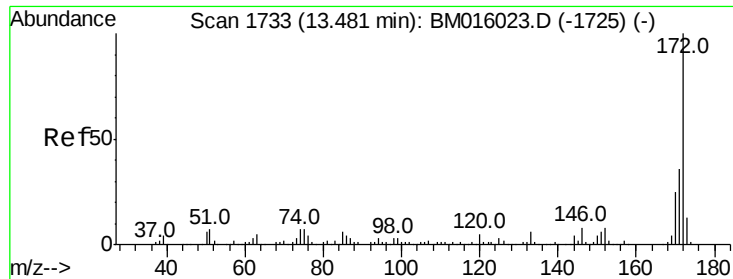


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



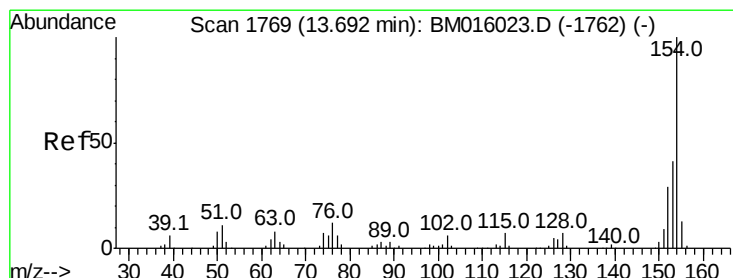
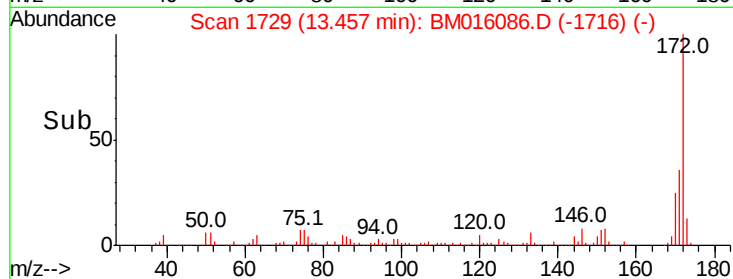
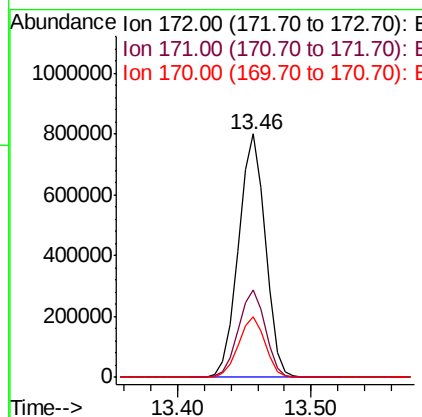
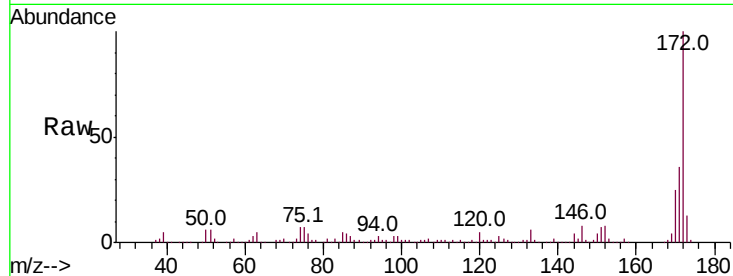


#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.46 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BM016086.D
 Acq: 26 Jul 2018 23:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 1117399

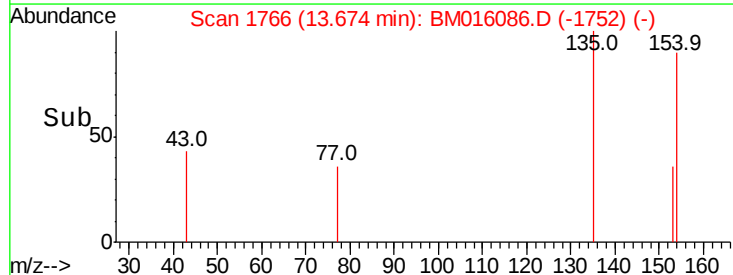
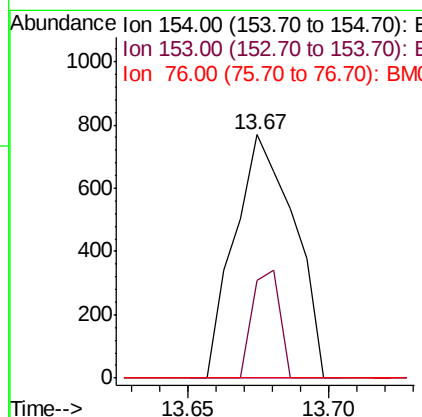
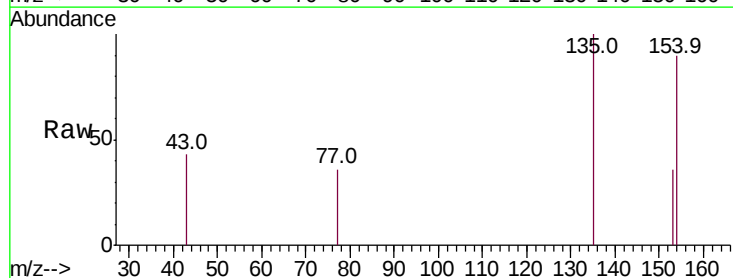
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	24.7	18.8	28.2

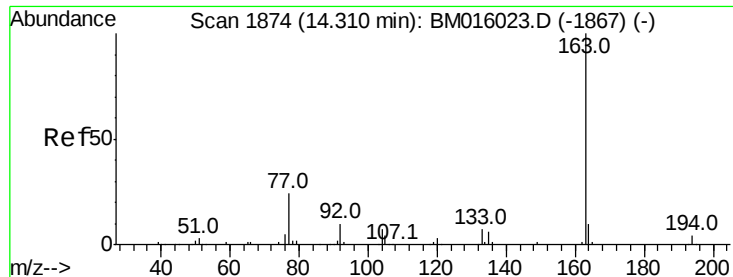


#45
 1,1'-Biphenyl
 Concen: 0.096 ng
 RT: 13.67 min Scan# 1766
 Delta R.T. -0.02 min
 Lab File: BM016086.D
 Acq: 26 Jul 2018 23:37

Tgt Ion:154 Resp: 1124

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.7	60.7
76	0.0	0.0	30.9





#49

Dimethylphthalate

Concen: 10.990 ng

RT: 14.28 min Scan# 1869

Delta R.T. -0.03 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampleId :

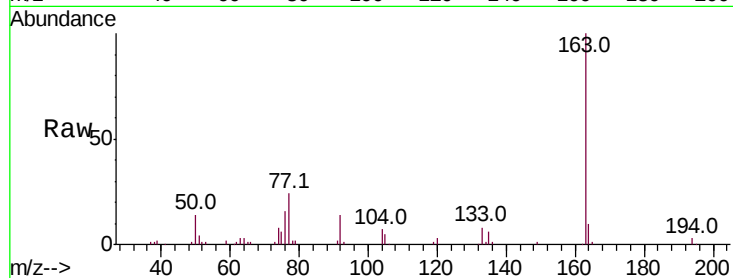
Tot Ion:163 Resp: 124995

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

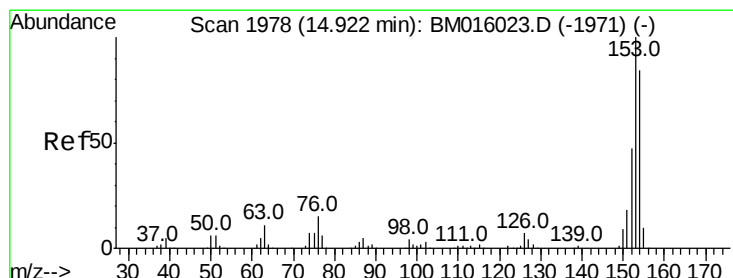
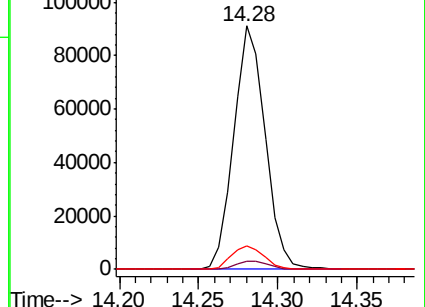
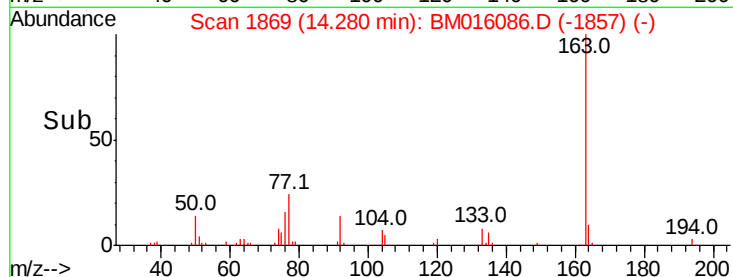
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 0.033 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.09 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

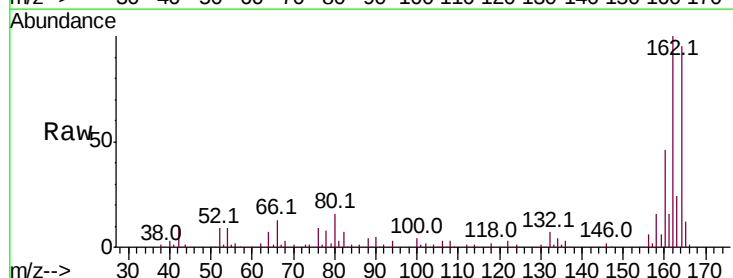
Tgt Ion:154 Resp: 271

Ion Ratio Lower Upper

154 100

153 0.0 90.0 135.0#

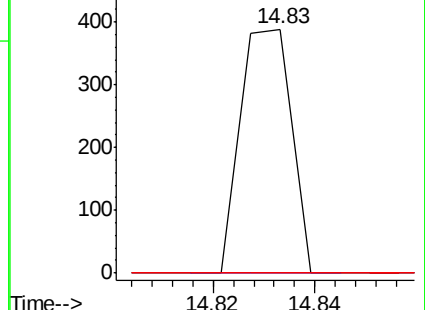
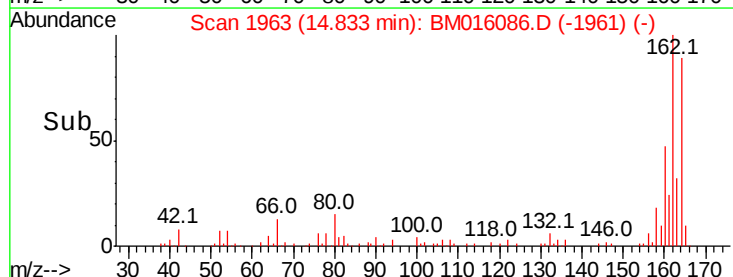
152 0.0 42.6 63.8#

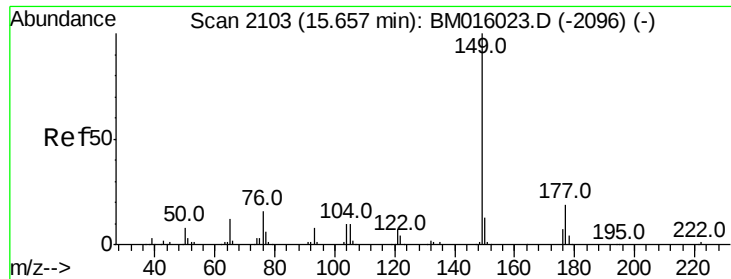


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#59

Diethylphthalate

Concen: 0.064 ng

RT: 15.63 min Scan# 2098

Delta R.T. -0.03 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampled :

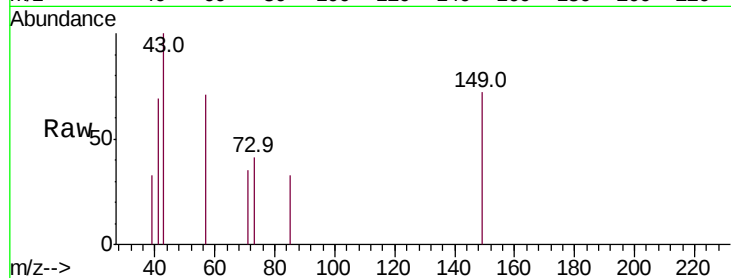
Tot Ion:149 Resp: 785

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

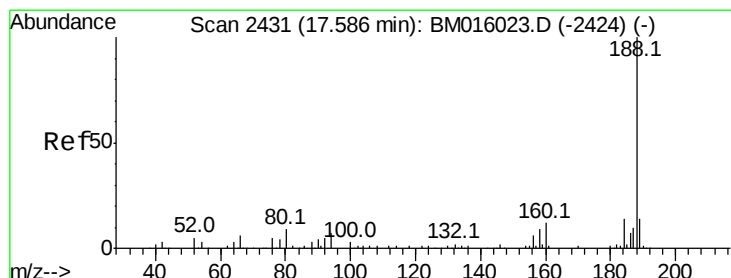
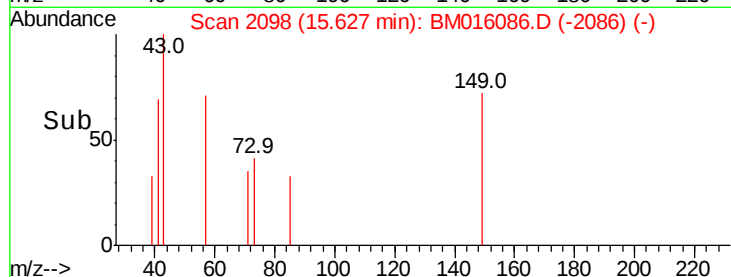
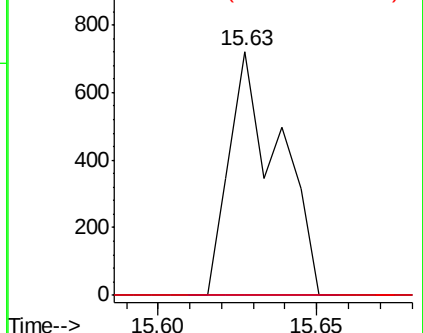
150 0.0 9.8 14.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.56 min Scan# 2427

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

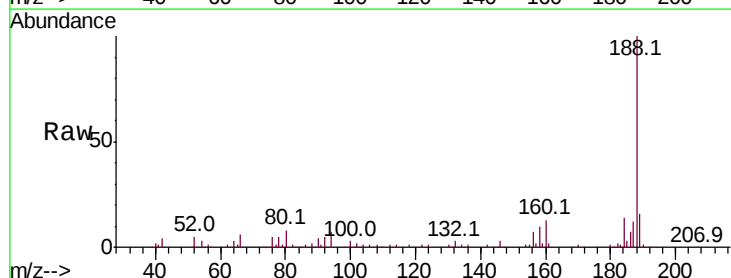
Tgt Ion:188 Resp: 273057

Ion Ratio Lower Upper

188 100

94 7.4 8.7 13.1#

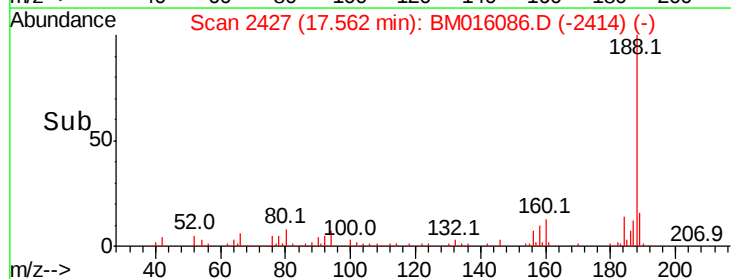
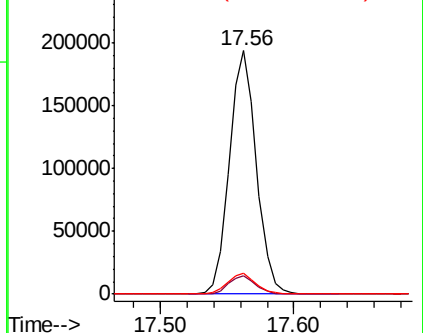
80 8.4 9.3 13.9#

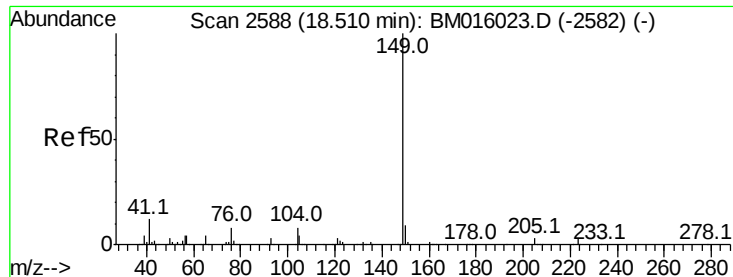


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

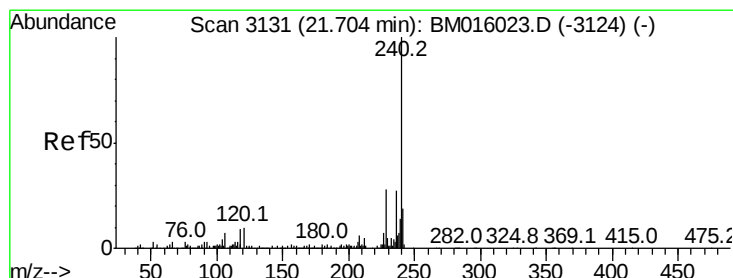
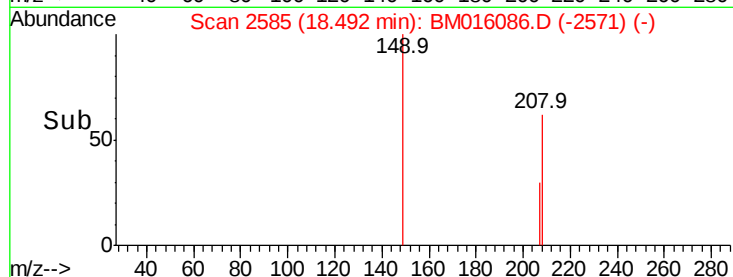
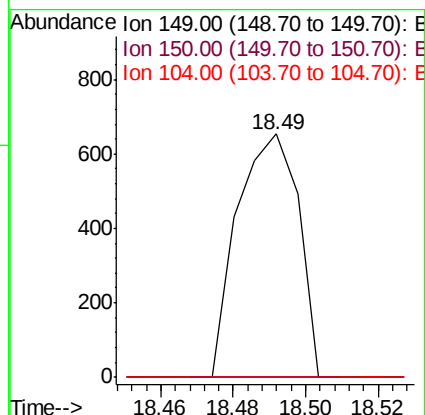
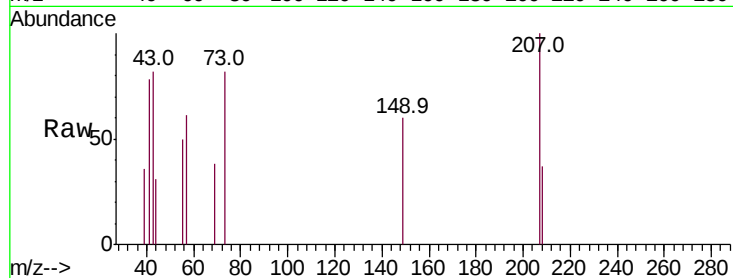




#73
Di-n-butylphthalate
Concen: 0.040 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

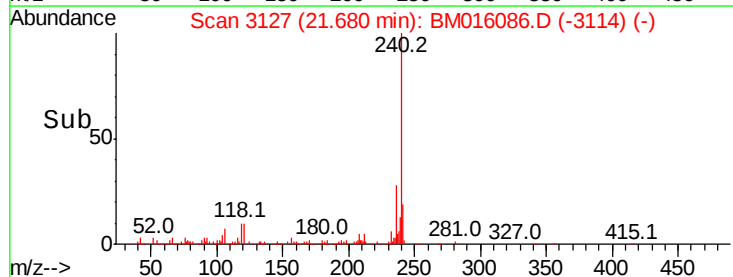
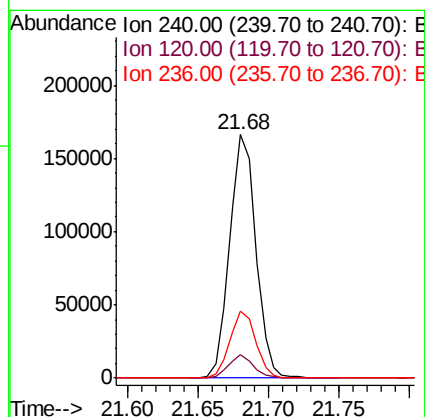
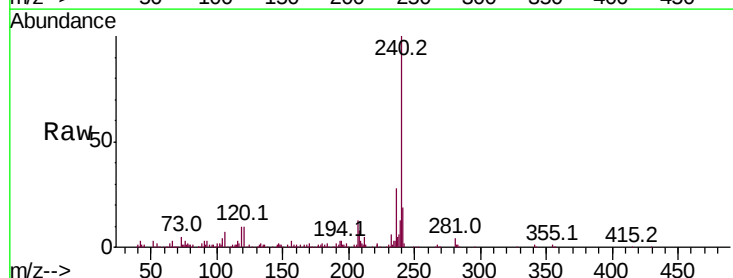
Instrument :
BNA_M
ClientSampleId :

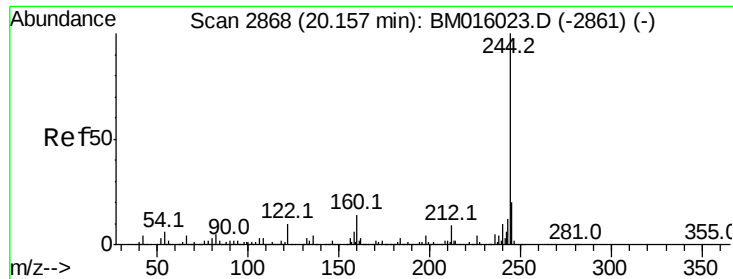
Tot Ion:149 Resp: 762
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Tgt Ion:240 Resp: 215625
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 27.6 20.0 30.0





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.13 min Scan# 2864

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampled :

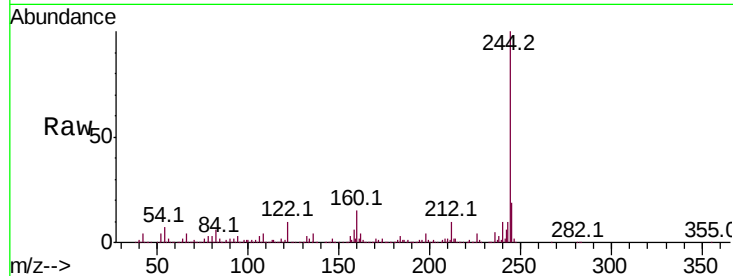
Tot Ion:244 Resp: 1244947

Ion Ratio Lower Upper

244 100

212 9.7 4.9 7.3#

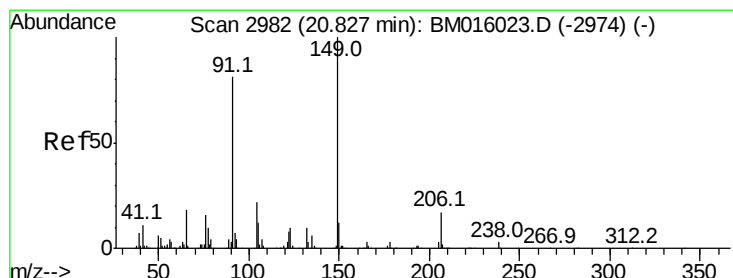
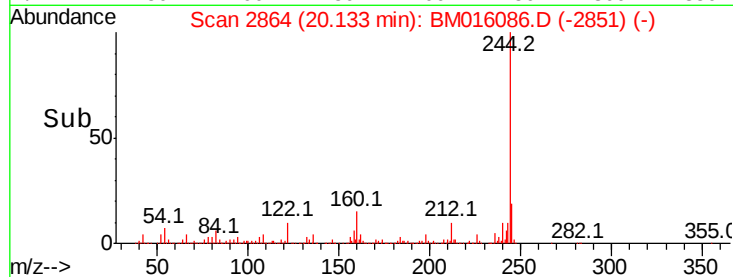
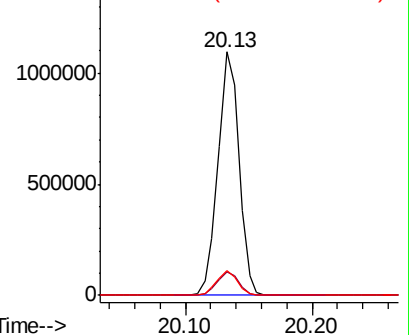
122 10.3 6.2 9.4#



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: 0.184 ng

RT: 20.80 min Scan# 2978

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

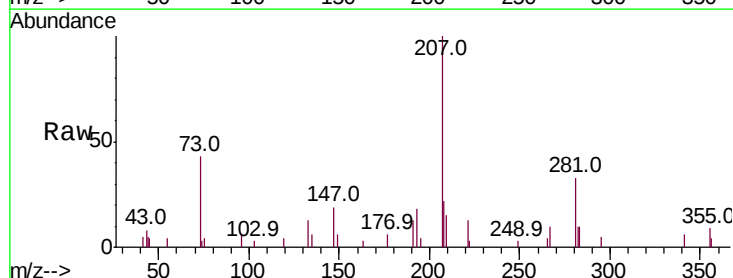
Tgt Ion:149 Resp: 1207

Ion Ratio Lower Upper

149 100

91 0.0 50.1 75.1#

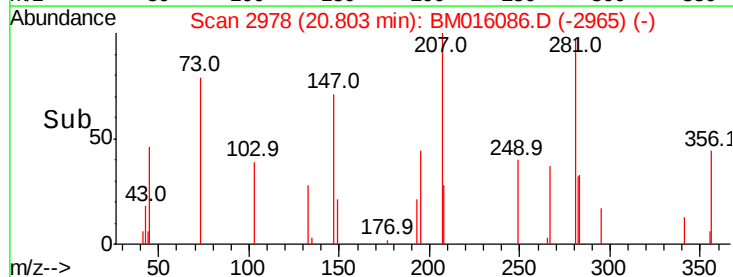
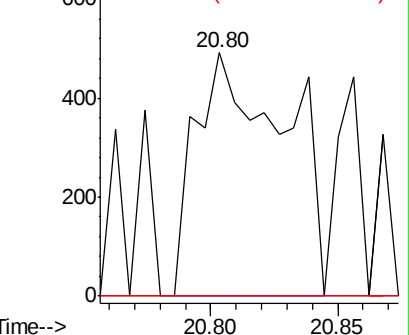
206 0.0 16.2 24.2#

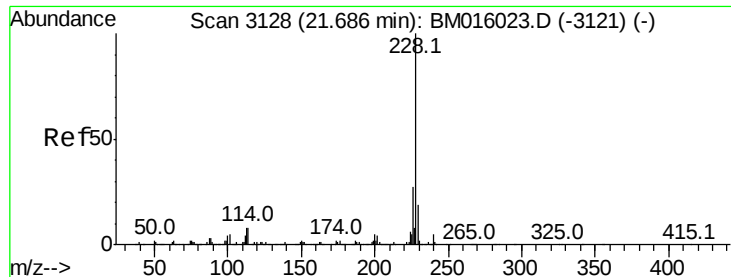


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

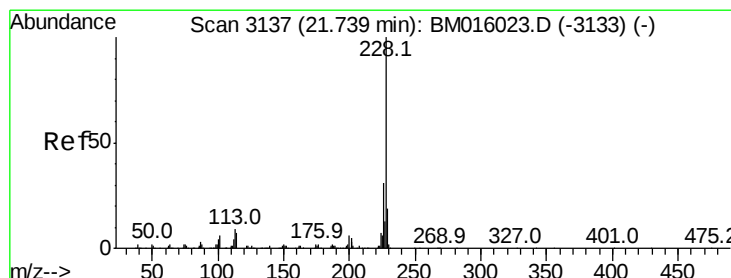
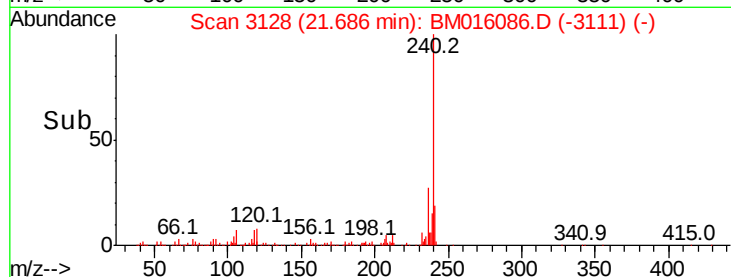
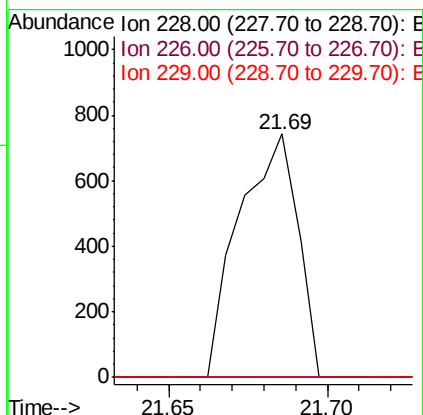
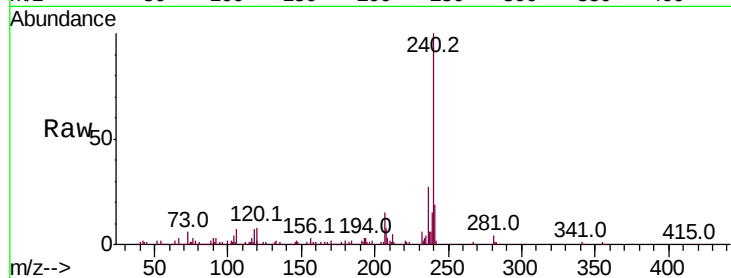




#80
Benzo(a)anthracene
Concen: 0.072 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

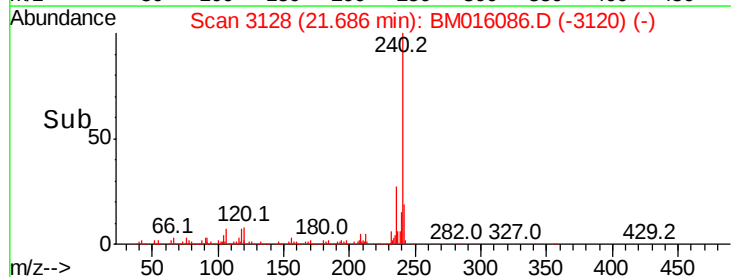
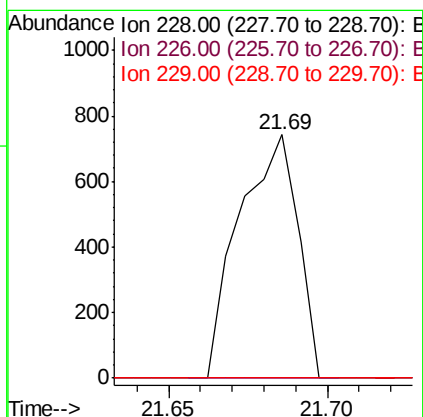
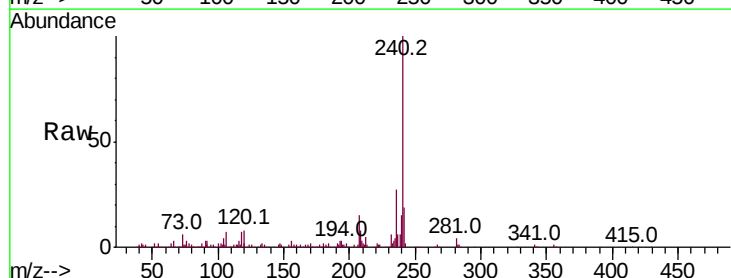
Instrument :
BNA_M
ClientSampleId :

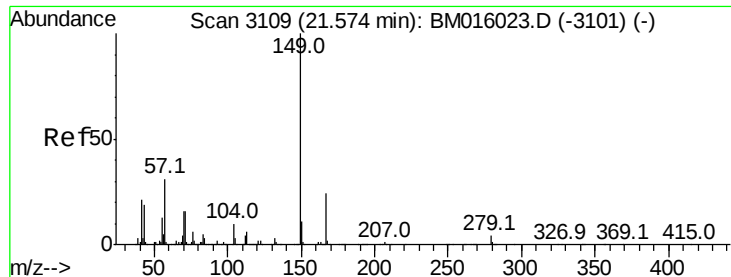
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.7	32.5#
229	0.0	16.0	24.0#



#82
Chrysene
Concen: 0.075 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.05 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.1	36.1#
229	0.0	15.5	23.3#

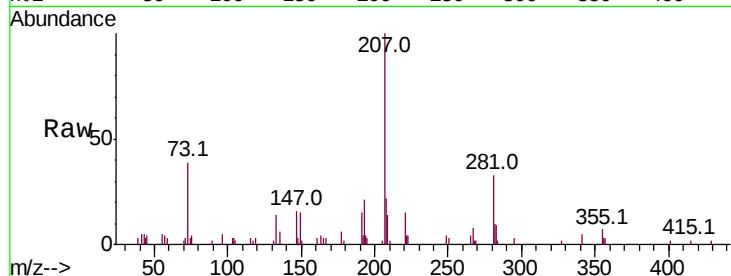




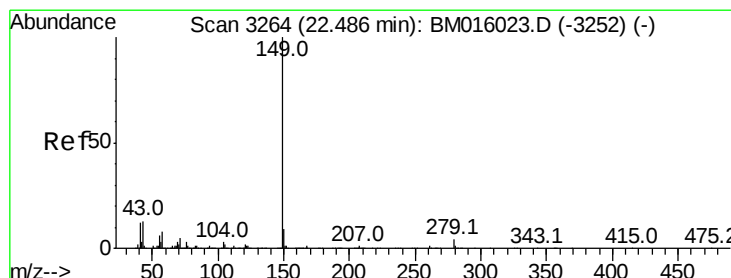
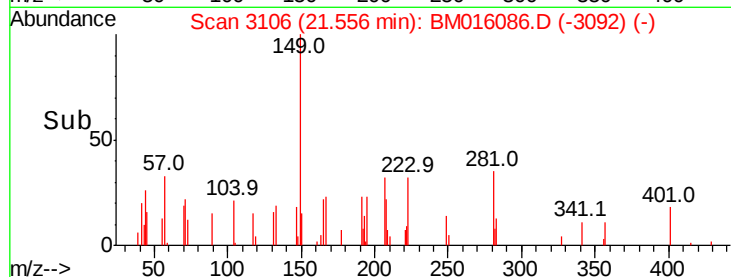
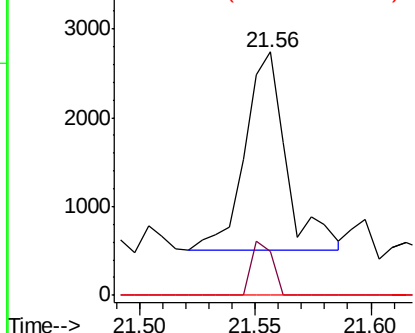
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.294 ng
 RT: 21.56 min Scan# 3106
 Delta R.T. -0.02 min
 Lab File: BM016086.D
 Acq: 26 Jul 2018 23:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 2799
 Ion Ratio Lower Upper
 149 100
 167 18.2 22.4 33.6#
 279 0.0 3.4 5.0#

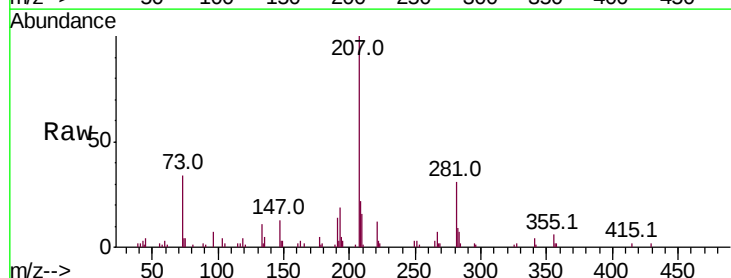


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

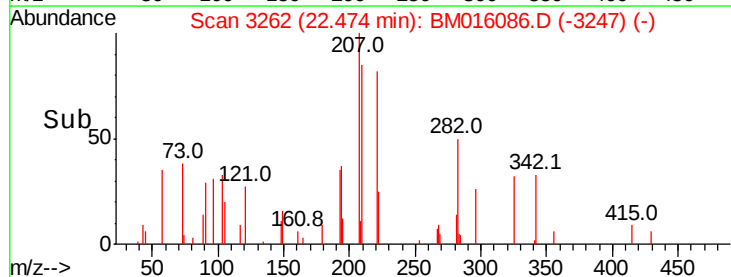
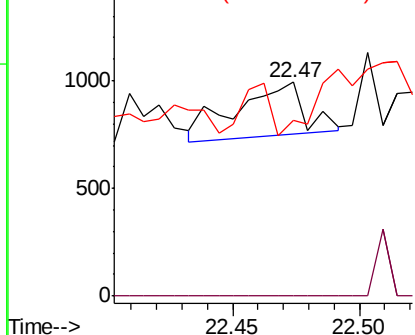


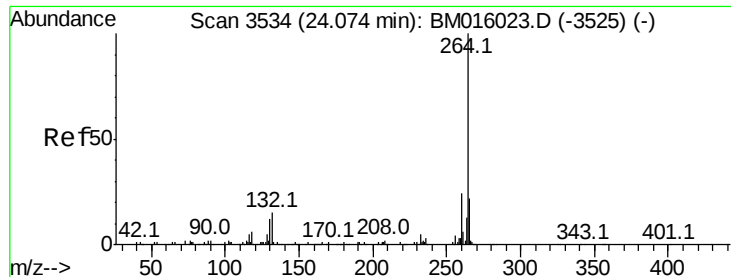
#84
 Di-n-octyl phthalate
 Concen: 0.030 ng
 RT: 22.47 min Scan# 3262
 Delta R.T. -0.01 min
 Lab File: BM016086.D
 Acq: 26 Jul 2018 23:37

Tgt Ion:149 Resp: 474
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 38.2 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

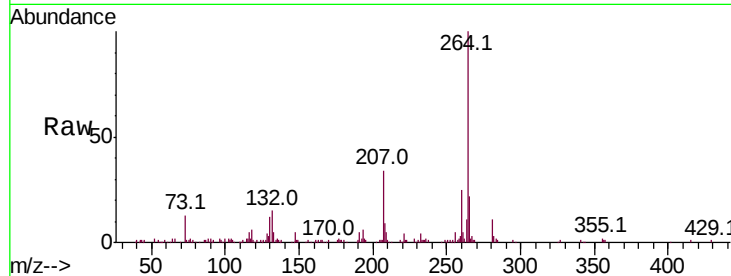




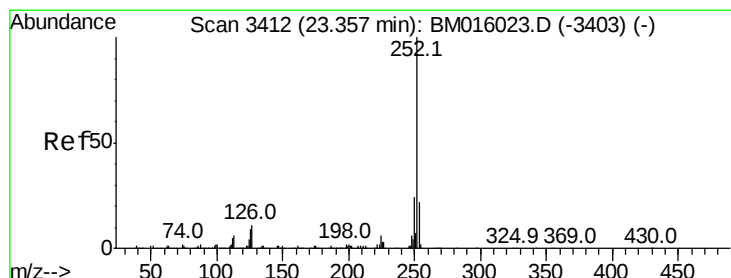
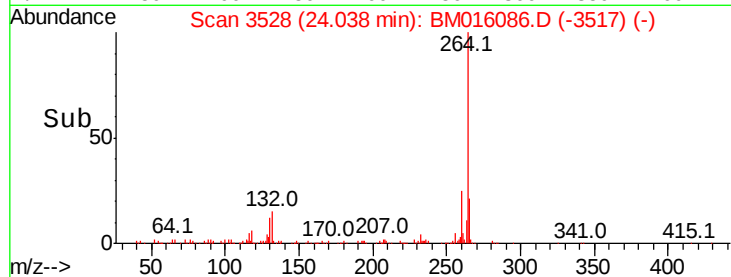
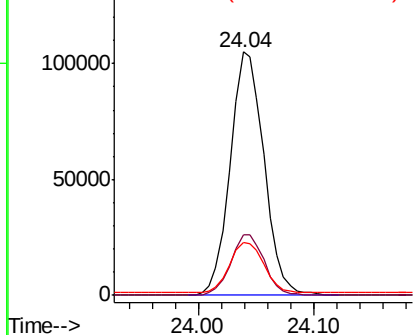
#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.04 min Scan# 3528
Delta R.T. -0.04 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.6	27.8
265	21.9	17.3	25.9

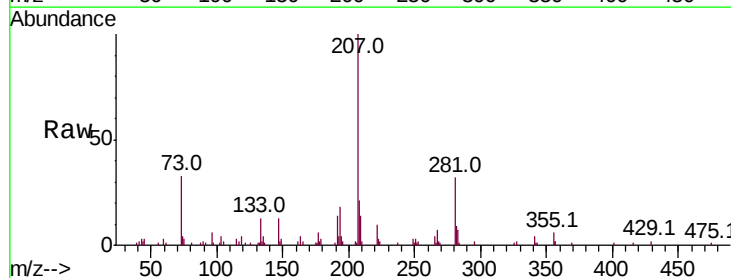


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

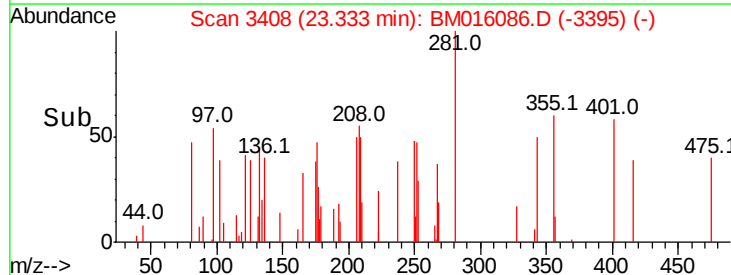
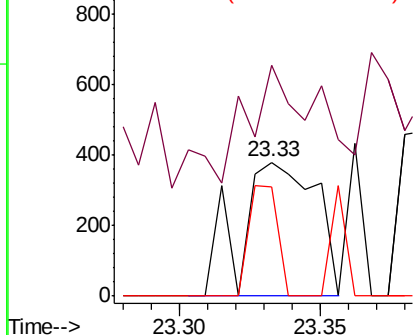


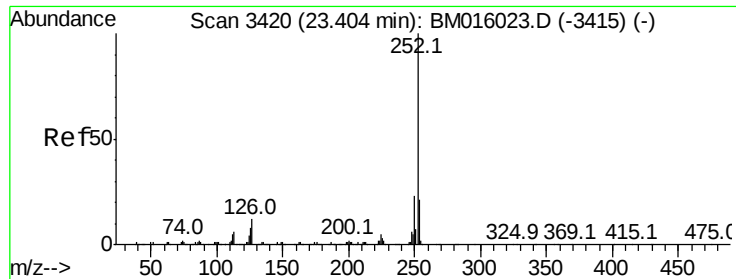
#87
Benzo(b)fluoranthene
Concen: 0.056 ng
RT: 23.33 min Scan# 3408
Delta R.T. -0.02 min
Lab File: BM016086.D
Acq: 26 Jul 2018 23:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	173.3	18.0	27.0#
125	81.7	9.9	14.9#



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





#88

Benzo(k)fluoranthene

Concen: 0.036 ng

RT: 23.39 min Scan# 3417

Delta R.T. -0.02 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

Instrument :

BNA_M

ClientSampleId :

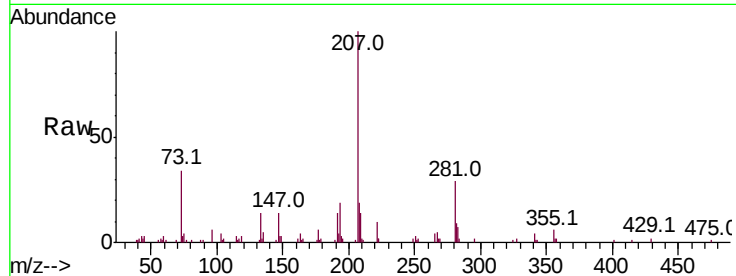
Tot Ion:252 Resp: 459

Ion Ratio Lower Upper

252 100

253 117.5 17.2 25.8#

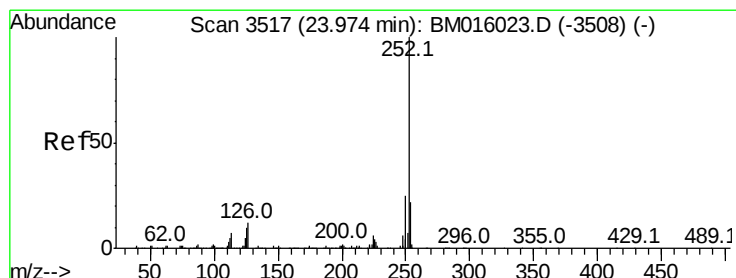
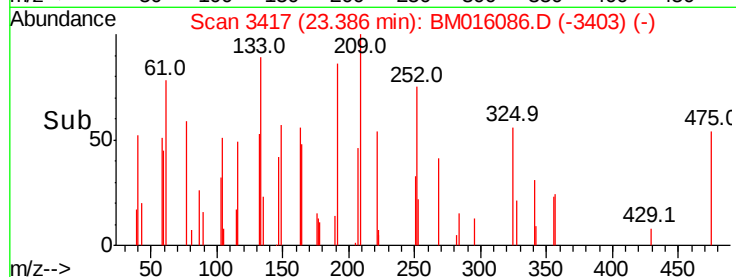
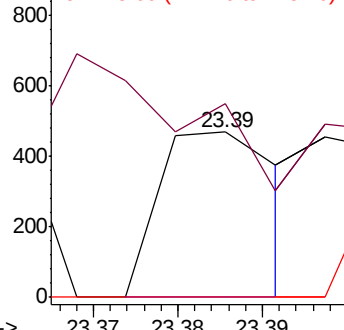
125 0.0 8.1 12.1#



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: 0.020 ng

RT: 23.94 min Scan# 3511

Delta R.T. -0.04 min

Lab File: BM016086.D

Acq: 26 Jul 2018 23:37

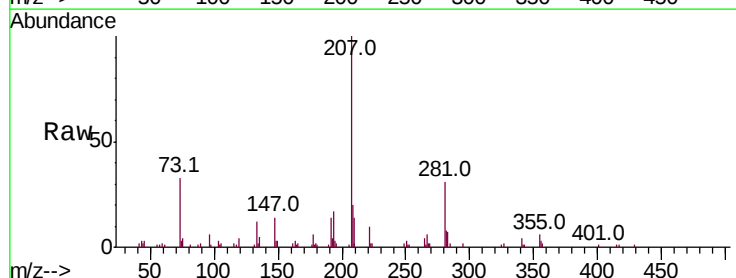
Tgt Ion:252 Resp: 237

Ion Ratio Lower Upper

252 100

253 154.7 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

