

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016087.D
 Acq On : 27 Jul 2018 00:13
 Operator : SJ/JU
 Sample : J4160-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 05:00:05 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	65797	20.00	ng	-0.03
21) Naphthalene-d8	11.02	136	244959	20.00	ng	-0.04
38) Acenaphthene-d10	14.83	164	127170	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	244167	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	207544	20.00	ng	-0.02
86) Perylene-d12	24.04	264	213698	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	179835	45.40	ng	-0.02
7) Phenol-d6	7.36	99	154345	29.84	ng	-0.02
23) Nitrobenzene-d5	9.39	82	608815	115.60	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	148273	91.93	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1156655	110.67	ng	-0.02
78) Terphenyl-d14	20.13	244	1195924	120.62	ng	-0.02

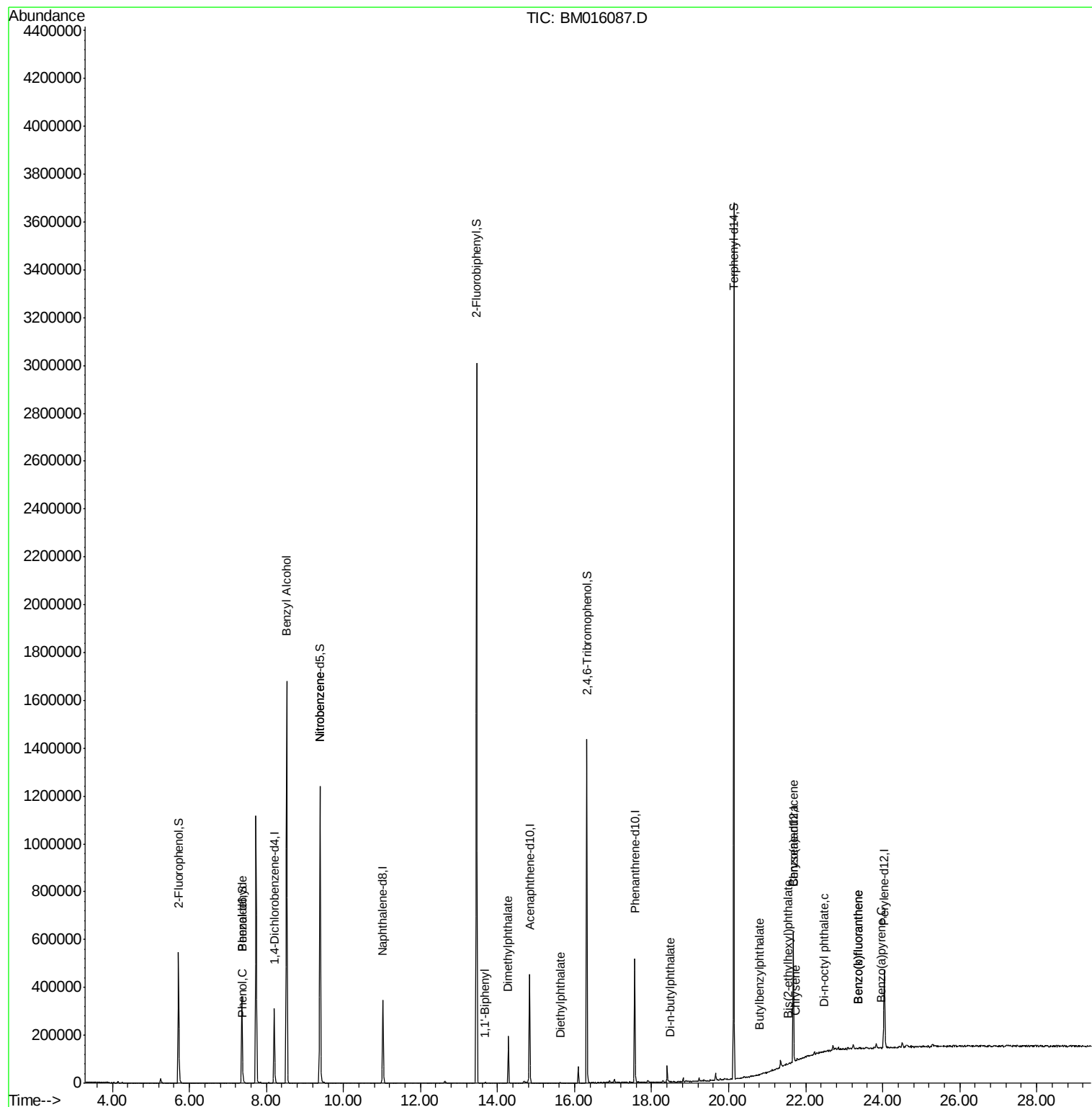
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.36	77	231	0.064	ng	# 2
10) Phenol	7.39	94	3675	0.710	ng	# 56
15) Benzyl Alcohol	8.53	79	11478	2.787	ng	# 42
24) Nitrobenzene	9.39	77	3158	0.596	ng	# 42
45) 1,1'-Biphenyl	13.68	154	1217	0.106	ng	# 86
49) Dimethylphthalate	14.28	163	103014	9.256	ng	# 98
59) Diethylphthalate	15.63	149	570	0.048	ng	# 58
73) Di-n-butylphthalate	18.49	149	500	0.029	ng	# 78
79) Butylbenzylphthalate	20.80	149	522	0.083	ng	# 28
80) Benzo(a)anthracene	21.68	228	772	0.060	ng	# 51
82) Chrysene	21.72	228	218	0.018	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.55	149	931	0.102	ng	# 52
84) Di-n-octyl phthalate	22.47	149	402	0.026	ng	# 1
87) Benzo(b)fluoranthene	23.36	252	990	0.079	ng	# 1
88) Benzo(k)fluoranthene	23.36	252	990	0.078	ng	# 1
89) Benzo(a)pyrene	23.96	252	360	0.030	ng	# 1

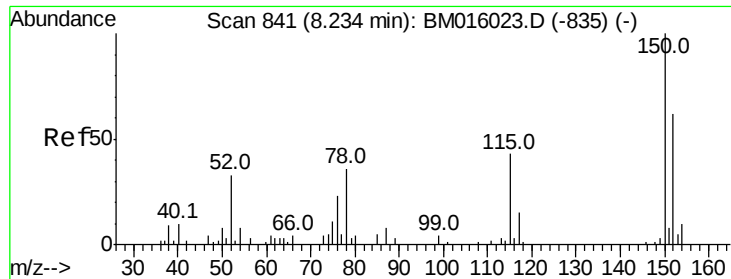
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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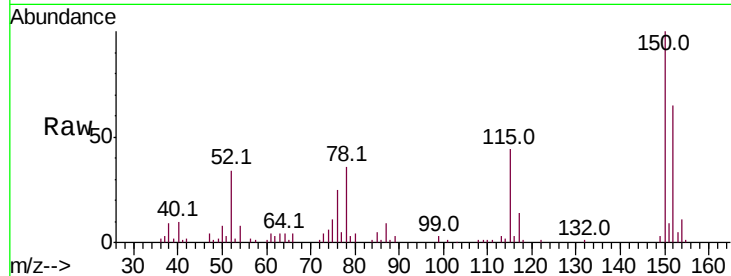


#1

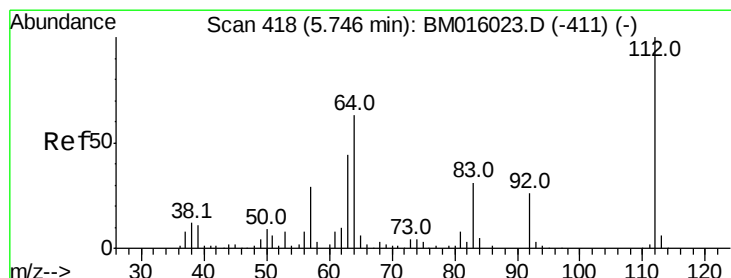
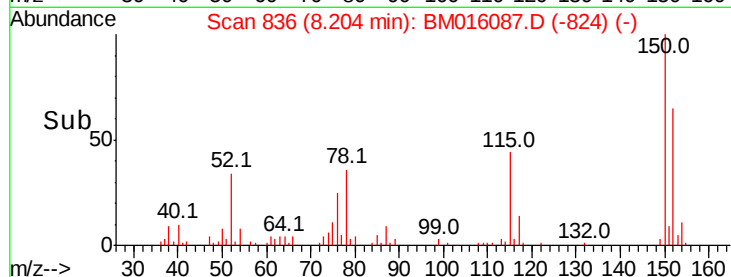
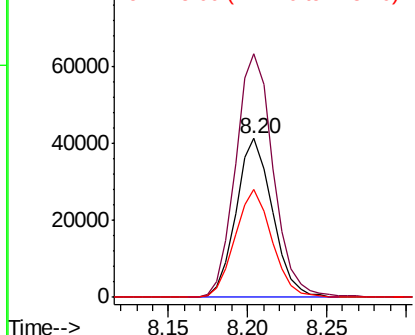
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 65797
Ion Ratio Lower Upper
152 100
150 153.4 119.5 179.3
115 67.9 43.0 64.4#



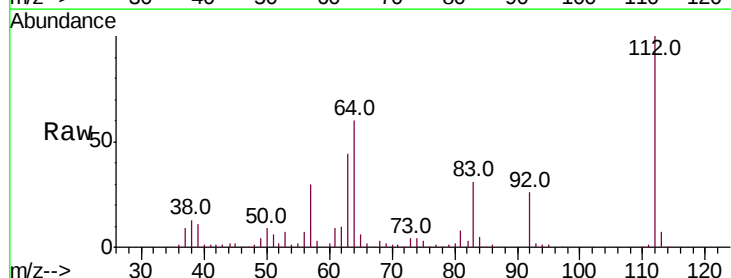
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



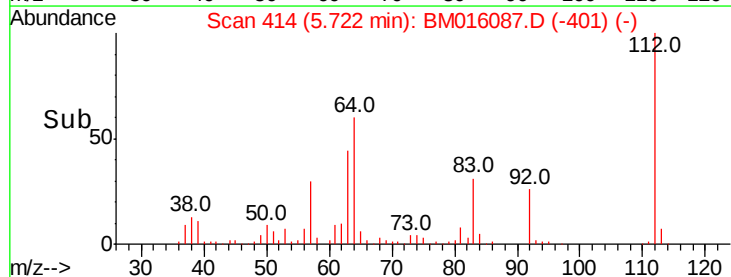
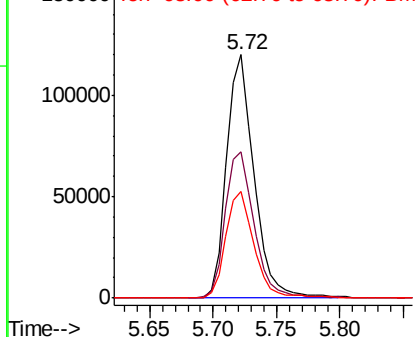
#5

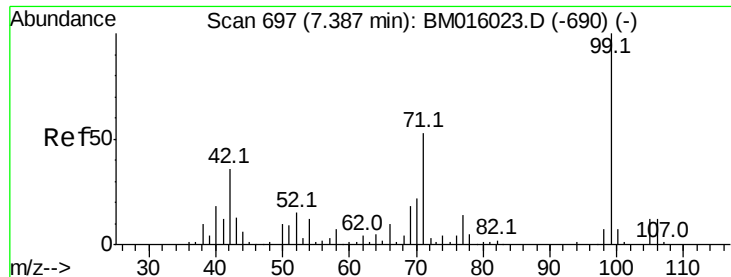
2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Tgt Ion:112 Resp: 179835
Ion Ratio Lower Upper
112 100
64 60.1 38.6 57.8#
63 43.9 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. na

RT: 7.36 min Scan# 693

Delta R.T. -0.02 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampleId :

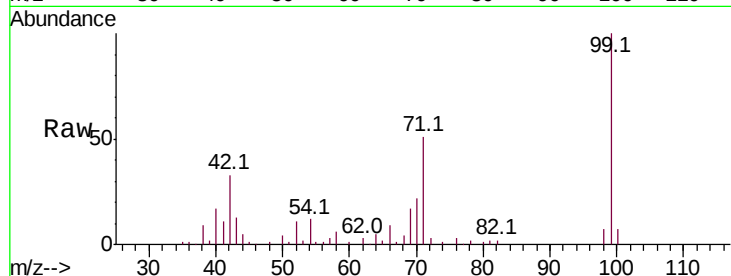
Tot Ion: 99 Resp: 154345

Ion Ratio Lower Upper

99 100

42 33.4 11.0 16.4#

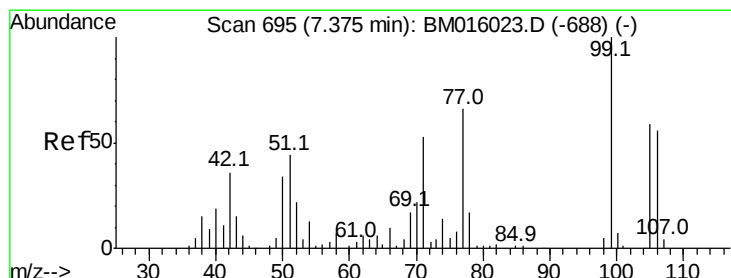
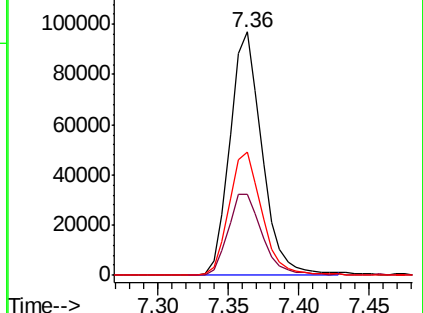
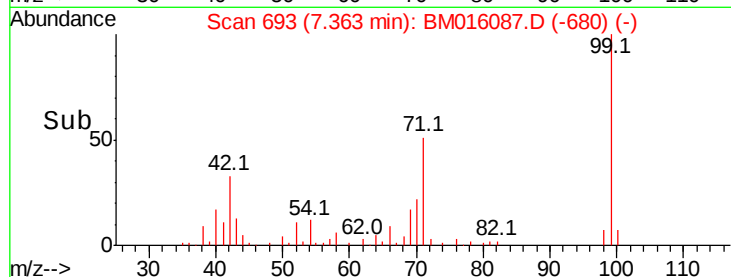
71 50.8 23.4 35.2#



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: 0.064 ng

RT: 7.36 min Scan# 693

Delta R.T. -0.01 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

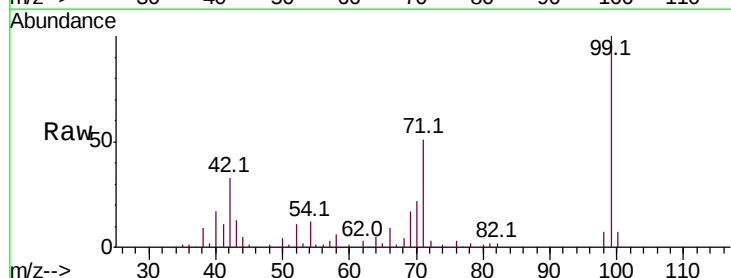
Tgt Ion: 77 Resp: 231

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

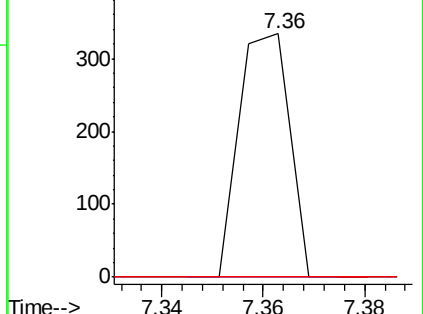
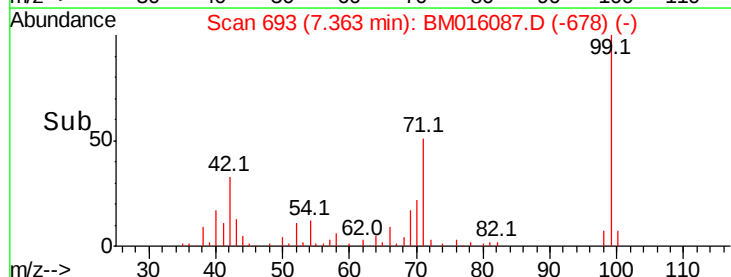
106 0.0 73.7 113.7#

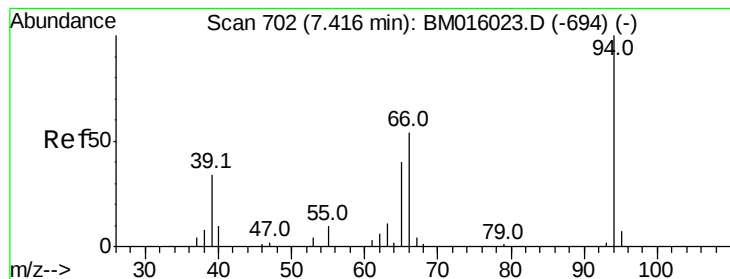


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-688) (-)

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

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





#10

Phenol

Concen: 0.710 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.03 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampled :

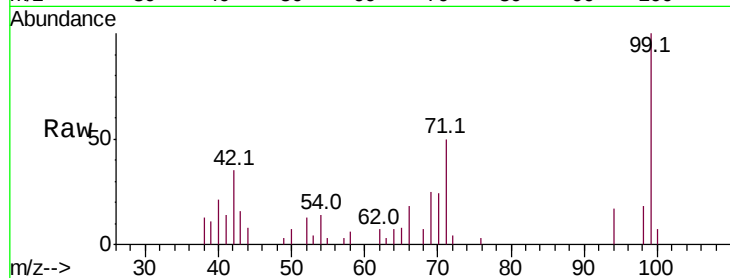
Tot Ion: 94 Resp: 3675

Ion Ratio Lower Upper

94 100

65 49.4 18.8 58.8

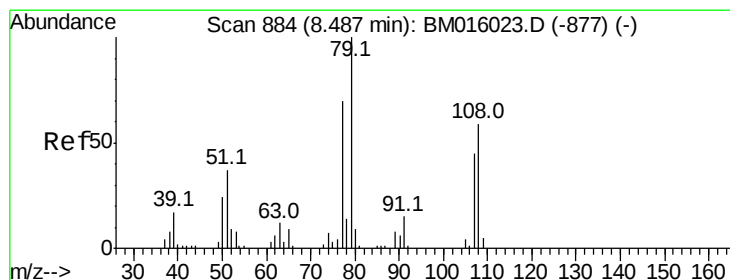
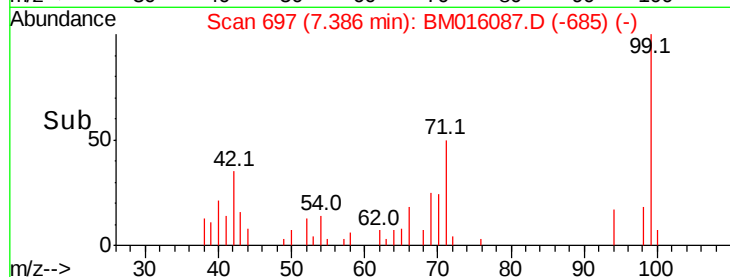
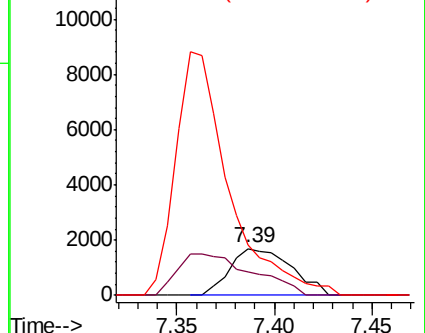
66 106.7 39.9 79.9#



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: 2.787 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

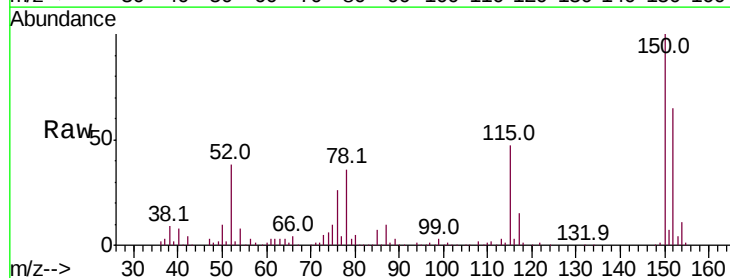
Tgt Ion: 79 Resp: 11478

Ion Ratio Lower Upper

79 100

108 62.6 65.0 97.4#

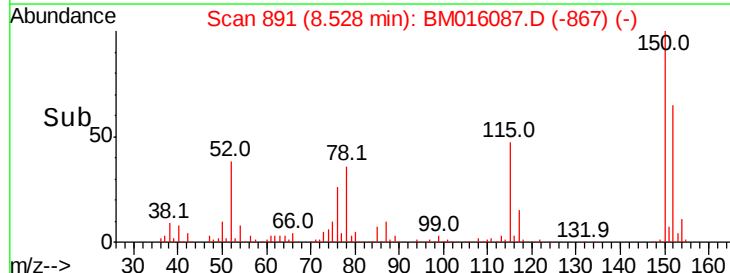
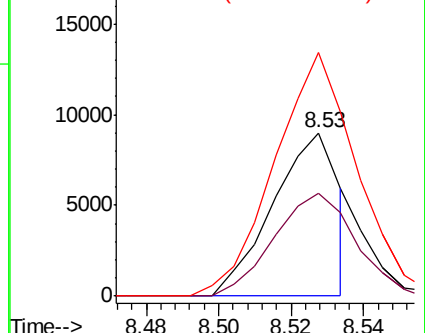
77 148.9 53.0 79.6#

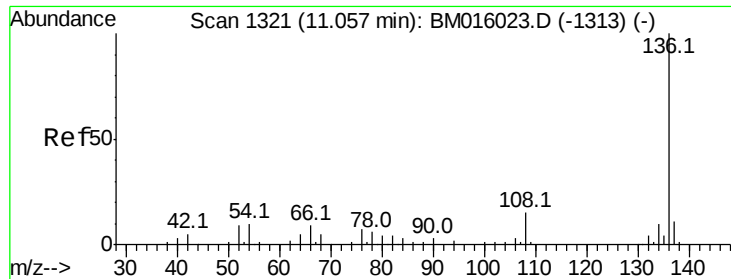


Abundance Ion 79.00 (78.70 to 79.70): BM016023.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016023.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-877) (-)

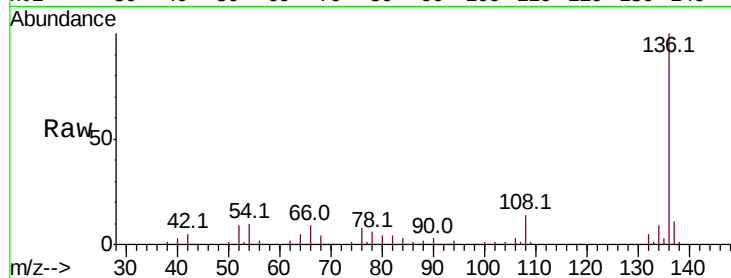




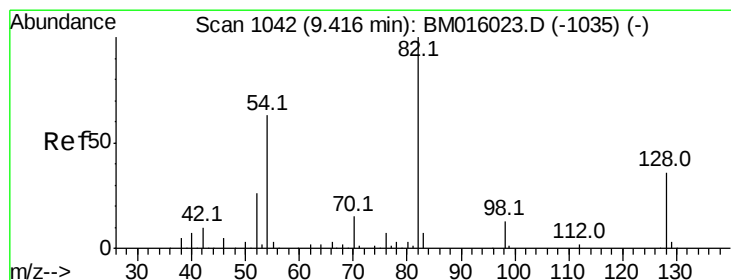
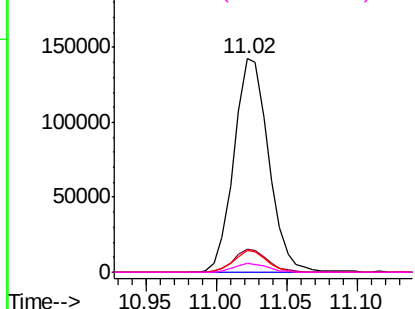
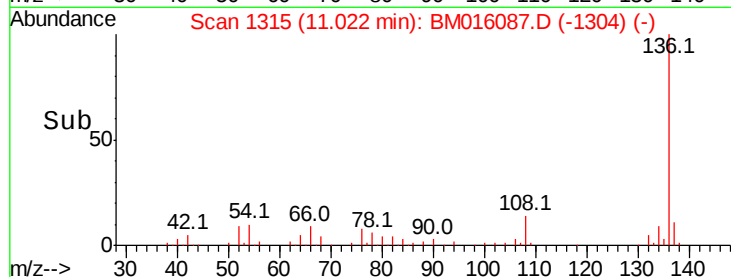
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.02 min Scan# 1315
Delta R.T. -0.04 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	136	Resp:	244959
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.9	4.6	6.8#
68	4.0	3.7	5.5

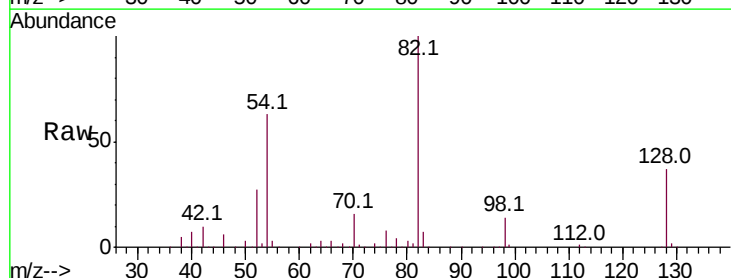


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

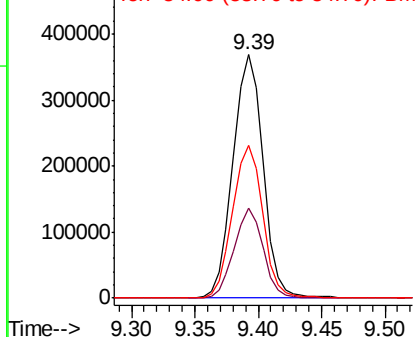
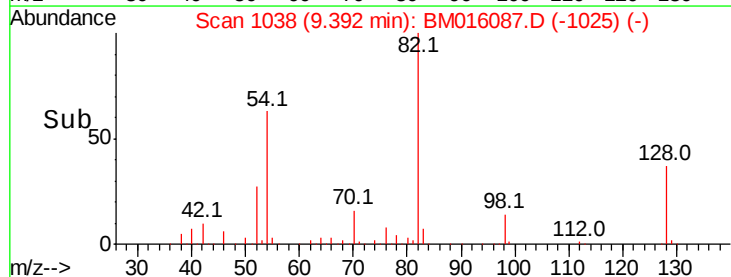


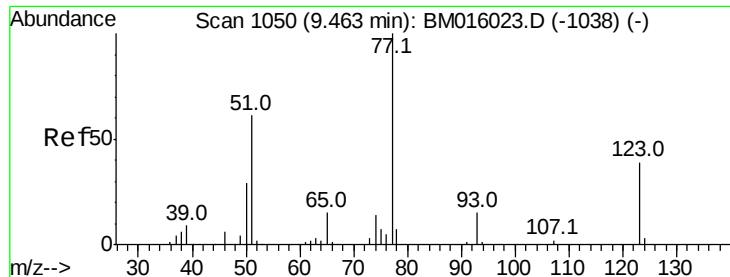
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Tgt Ion:	82	Resp:	608815
Ion	Ratio	Lower	Upper
82	100		
128	36.8	32.8	49.2
54	62.7	40.6	60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

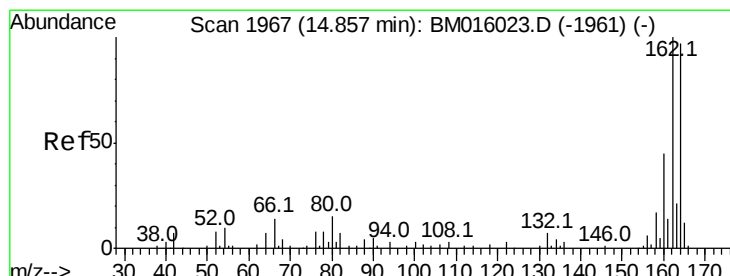
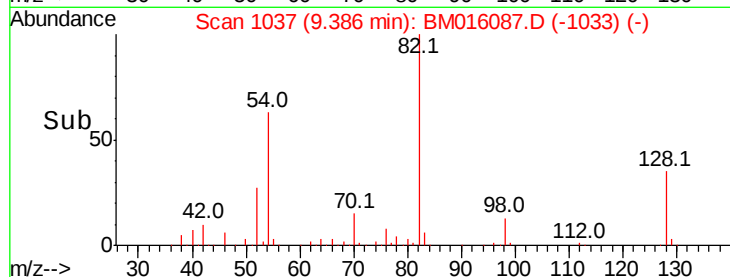
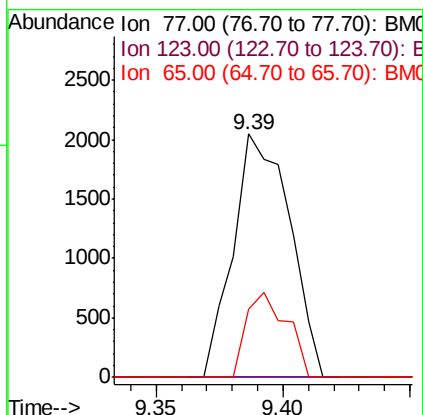
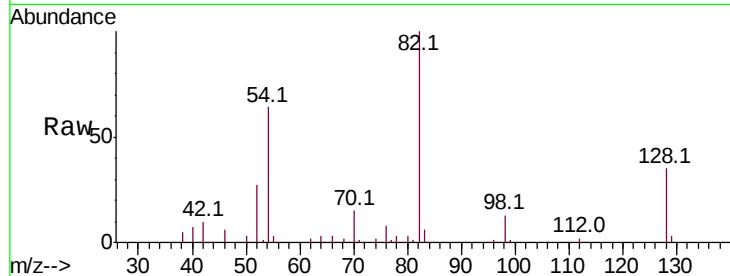




#24
Nitrobenzene
Concen: 0.596 ng
RT: 9.39 min Scan# 1037
Delta R.T. -0.08 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

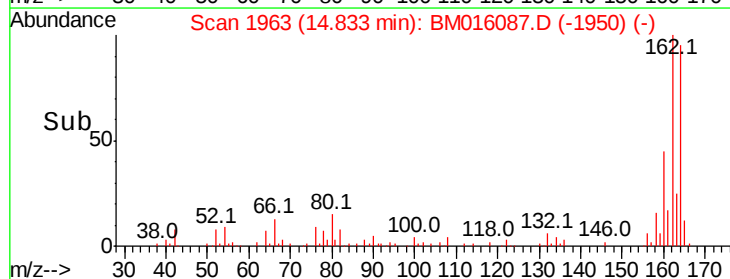
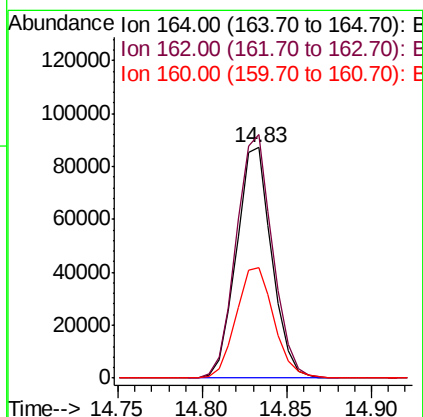
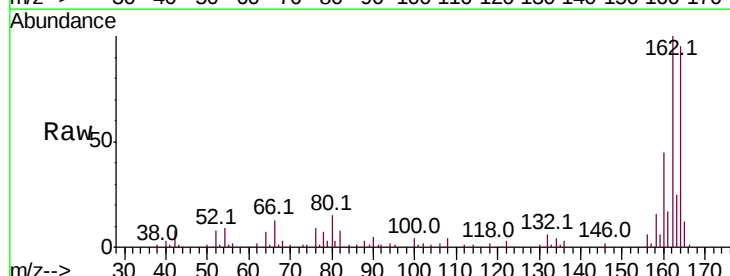
Instrument :
BNA_M
ClientSampled :

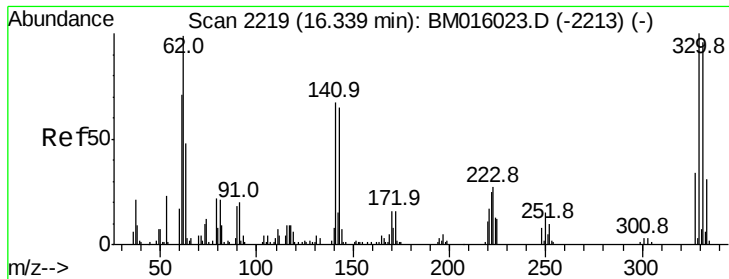
Tot Ion: 77 Resp: 3158
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 27.9 10.9 16.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.83 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Tgt Ion:164 Resp: 127170
Ion Ratio Lower Upper
164 100
162 105.6 82.4 123.6
160 47.8 35.8 53.6





#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.32 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampleId :

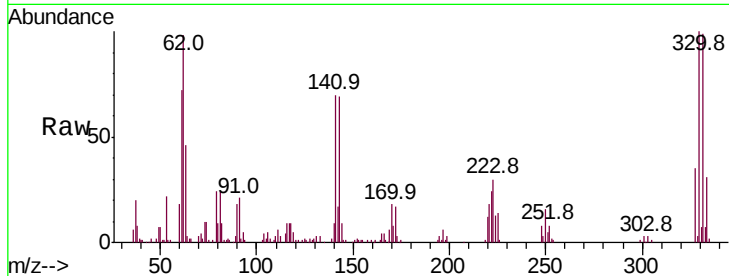
Tot Ion:330 Resp: 148273

Ion Ratio Lower Upper

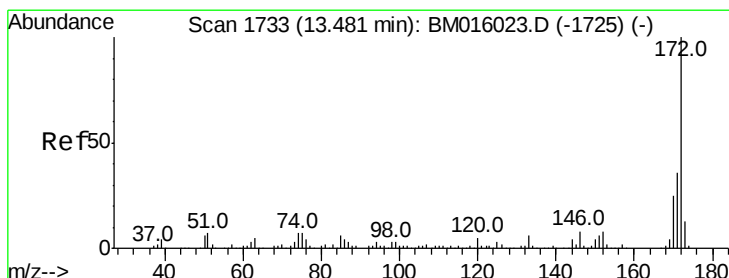
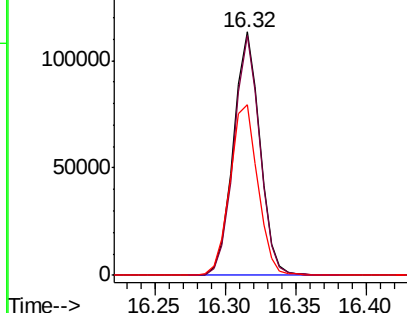
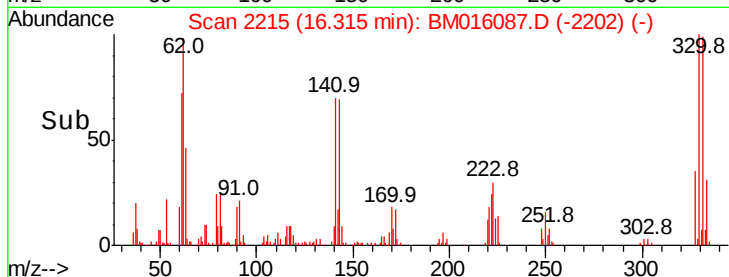
330 100

332 96.6 0.0 0.0#

141 73.8 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: BM016087.D

Acq: 27 Jul 2018 00:13

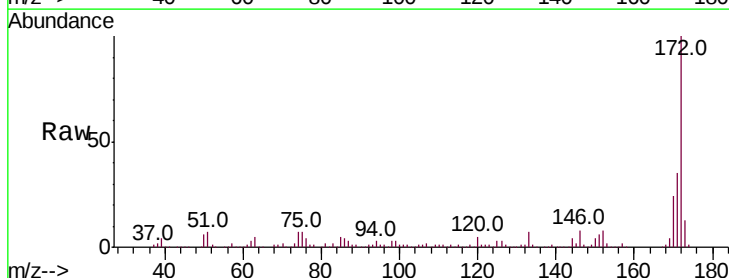
Tgt Ion:172 Resp: 1156655

Ion Ratio Lower Upper

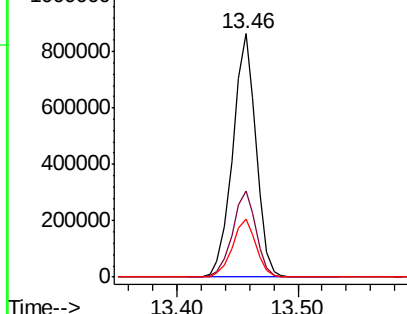
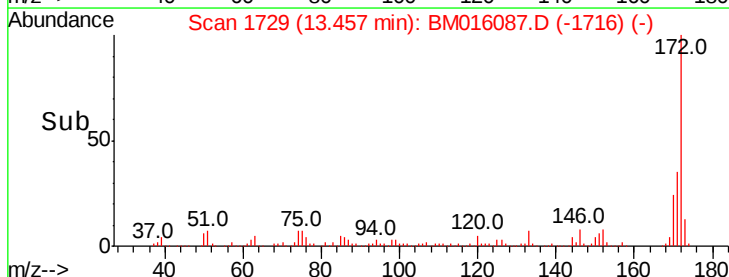
172 100

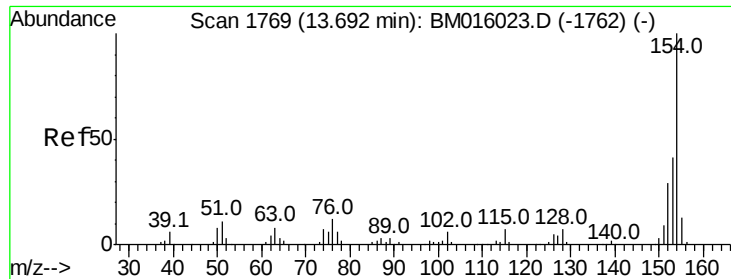
171 35.4 28.5 42.7

170 24.0 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

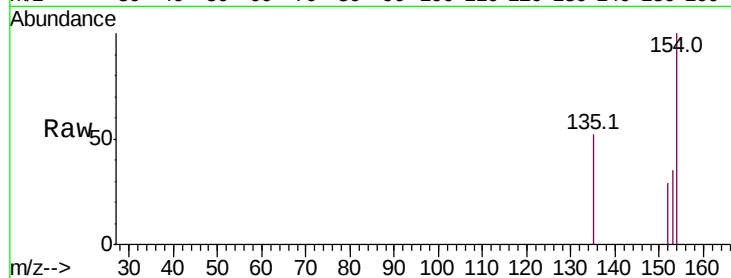




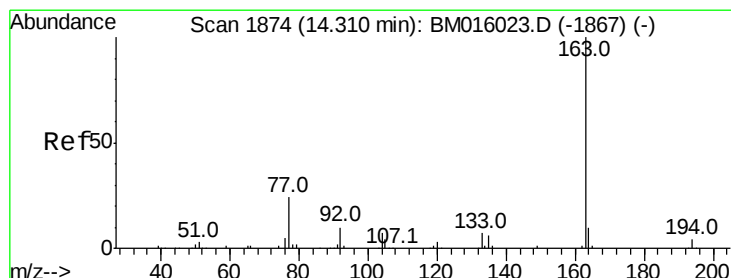
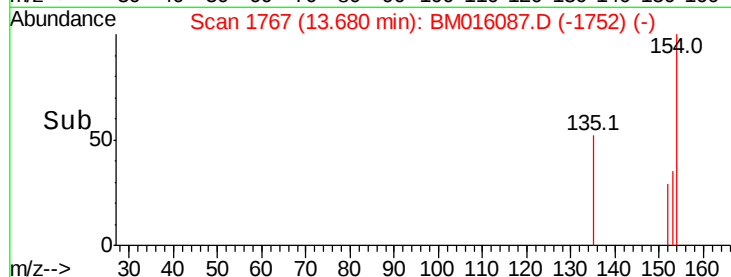
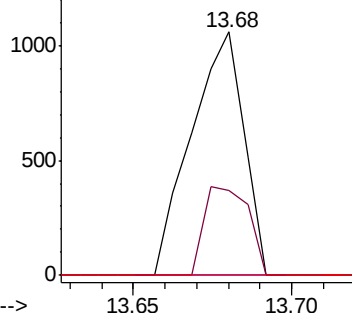
#45
 1,1'-Biphenyl
 Concen: 0.106 ng
 RT: 13.68 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BM016087.D
 Acq: 27 Jul 2018 00:13

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:154 Resp: 1217
 Ion Ratio Lower Upper
 154 100
 153 34.8 20.7 60.7
 76 0.0 0.0 30.9

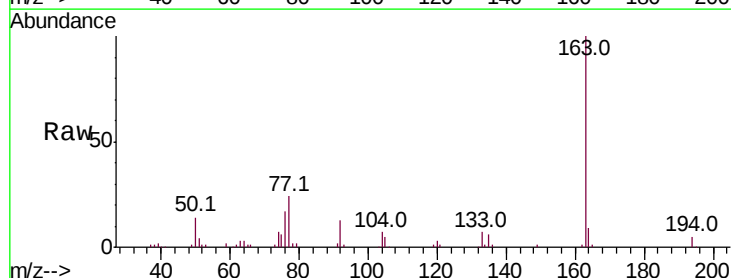


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

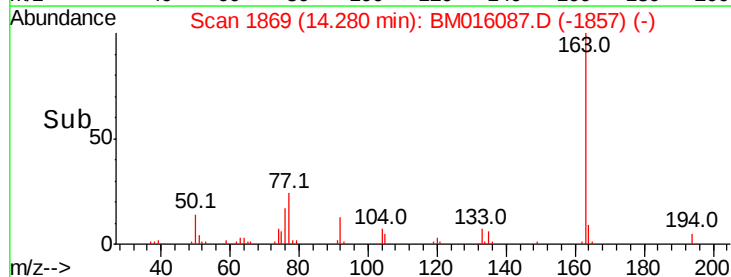
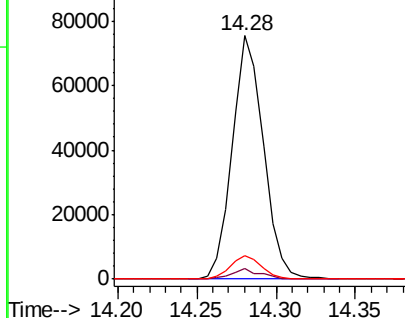


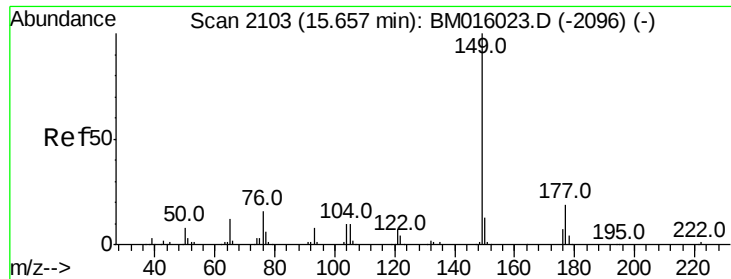
#49
 Dimethylphthalate
 Concen: 9.256 ng
 RT: 14.28 min Scan# 1869
 Delta R.T. -0.03 min
 Lab File: BM016087.D
 Acq: 27 Jul 2018 00:13

Tgt Ion:163 Resp: 103014
 Ion Ratio Lower Upper
 163 100
 194 4.5 2.7 4.1#
 164 9.4 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





#59

Diethylphthalate

Concen: 0.048 ng

RT: 15.63 min Scan# 2099

Delta R.T. -0.02 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampleId :

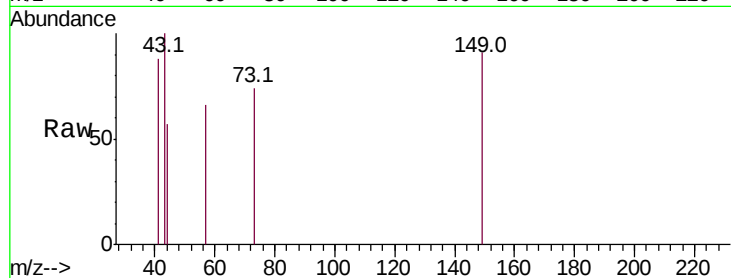
Tot Ion:149 Resp: 570

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

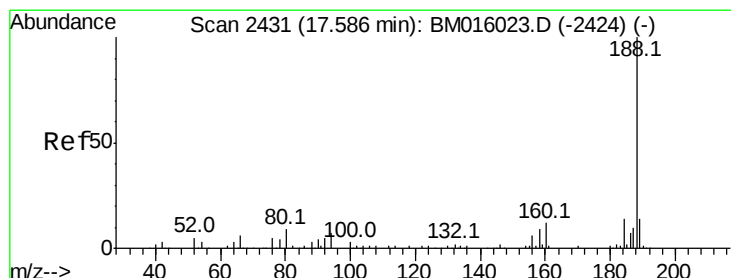
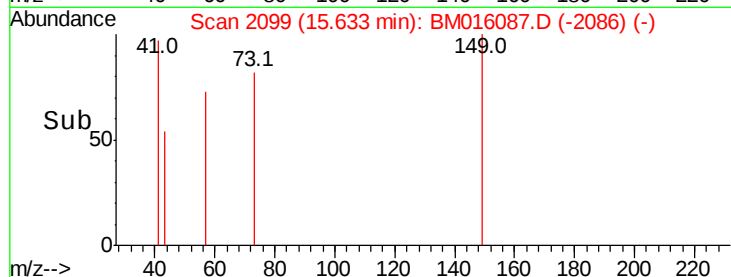
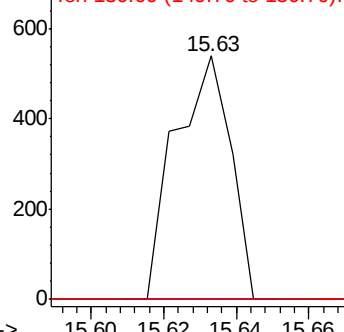
150 0.0 9.8 14.8#



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: BM016087.D

Acq: 27 Jul 2018 00:13

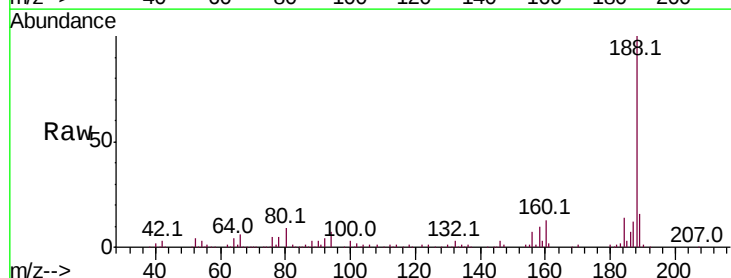
Tgt Ion:188 Resp: 244167

Ion Ratio Lower Upper

188 100

94 6.8 8.7 13.1#

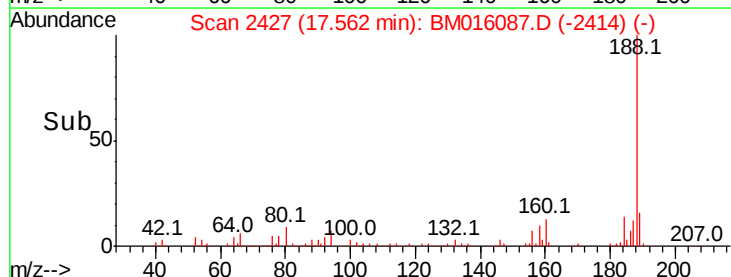
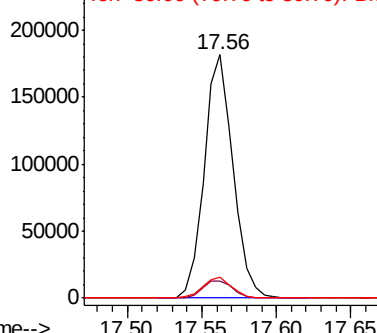
80 8.7 9.3 13.9#

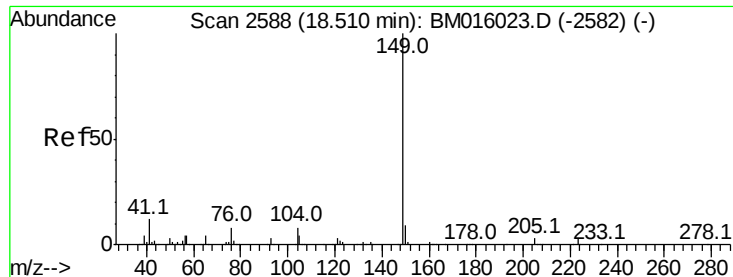


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

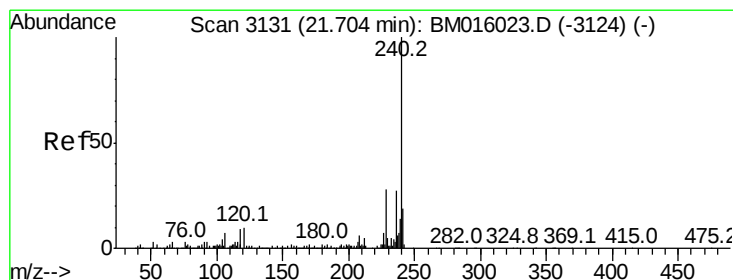
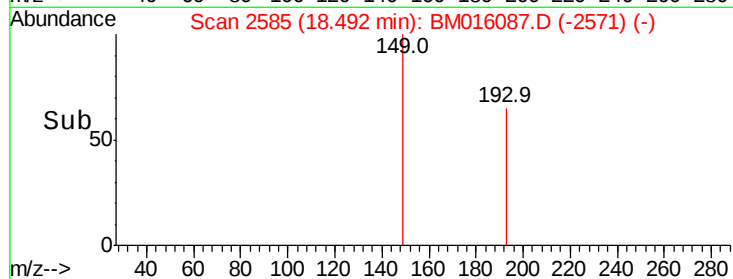
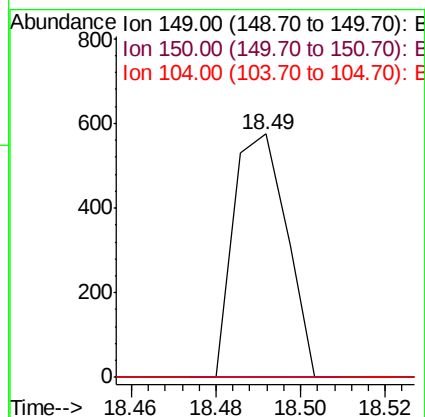
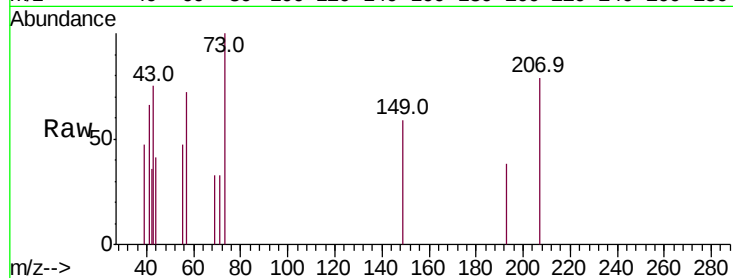




#73
Di-n-butylphthalate
Concen: 0.029 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

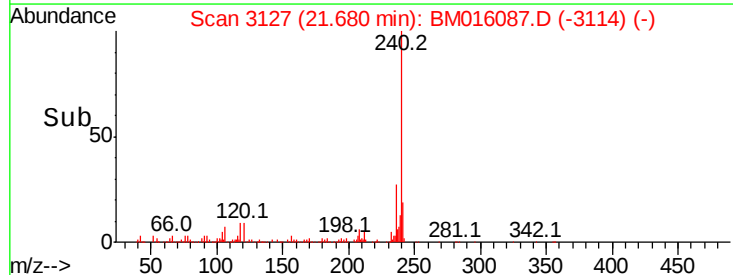
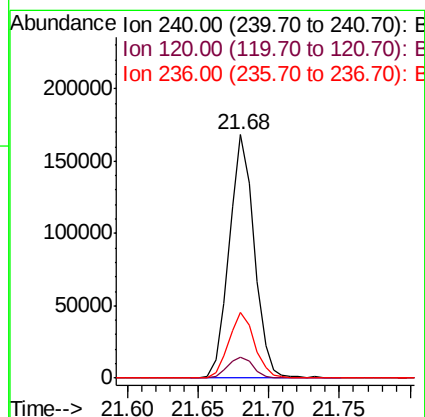
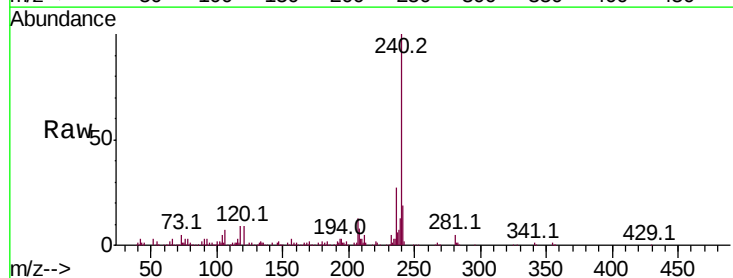
Instrument :
BNA_M
ClientSampleId :

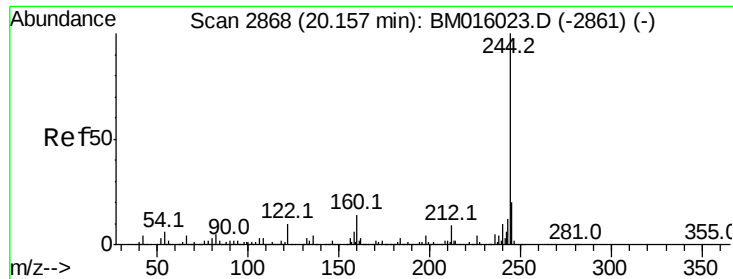
Tot Ion:149 Resp: 500
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Tgt Ion:240 Resp: 207544
Ion Ratio Lower Upper
240 100
120 8.6 8.2 12.2
236 27.0 20.0 30.0

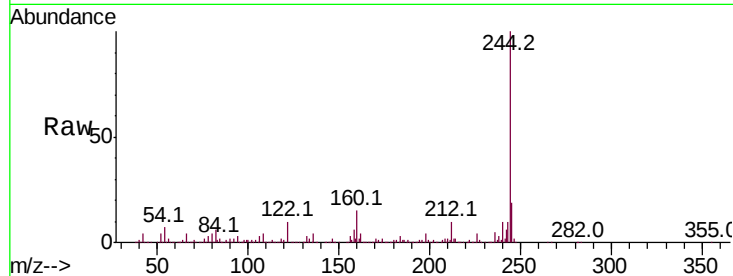




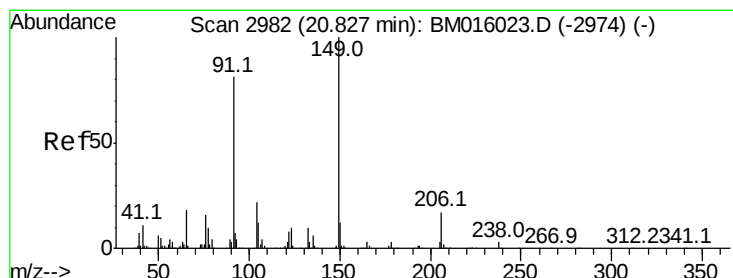
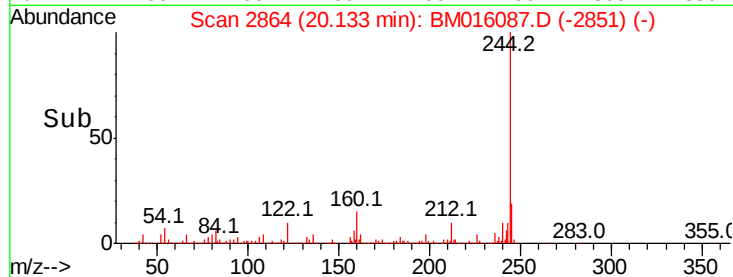
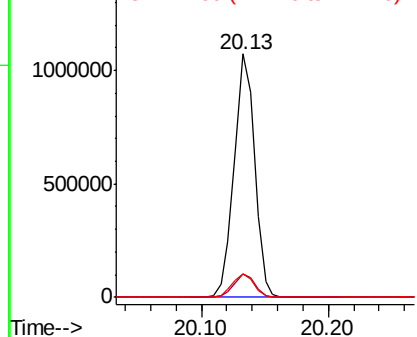
#78
 Terphenyl-d14
 Concen: N.D. ng
 RT: 20.13 min Scan# 2864
 Delta R.T. -0.02 min
 Lab File: BM016087.D
 Acq: 27 Jul 2018 00:13

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:244 Resp: 1195924
 Ion Ratio Lower Upper
 244 100
 212 9.8 4.9 7.3#
 122 9.8 6.2 9.4#

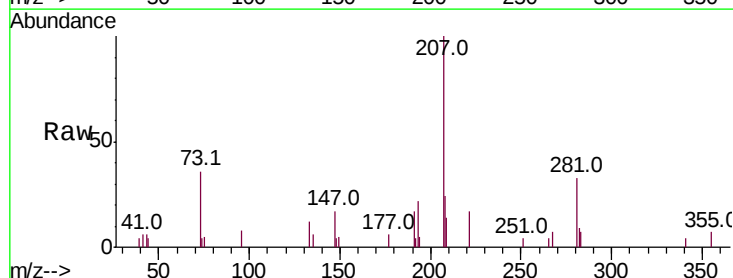


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

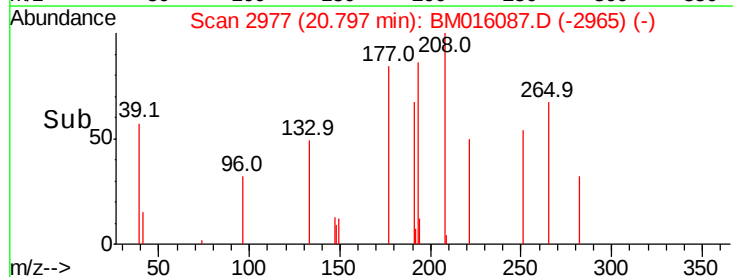
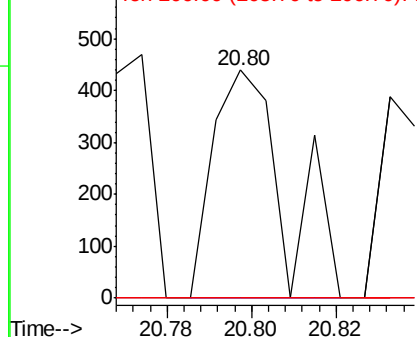


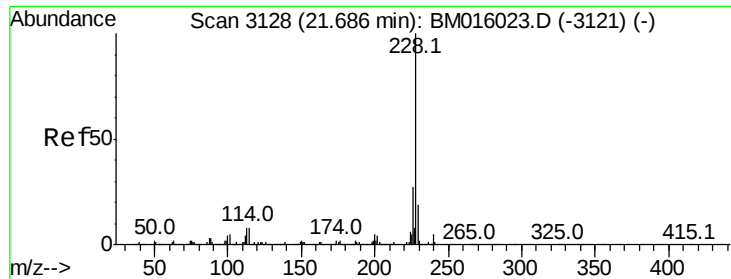
#79
 Butylbenzylphthalate
 Concen: 0.083 ng
 RT: 20.80 min Scan# 2977
 Delta R.T. -0.03 min
 Lab File: BM016087.D
 Acq: 27 Jul 2018 00:13

Tgt Ion:149 Resp: 522
 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

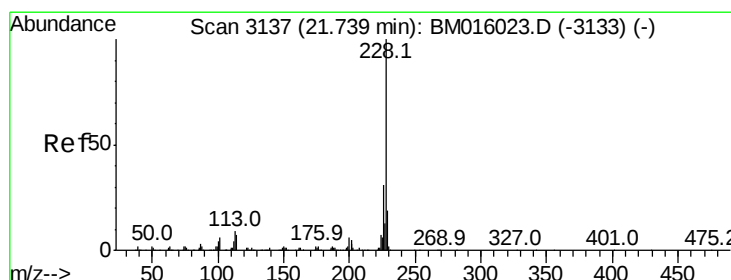
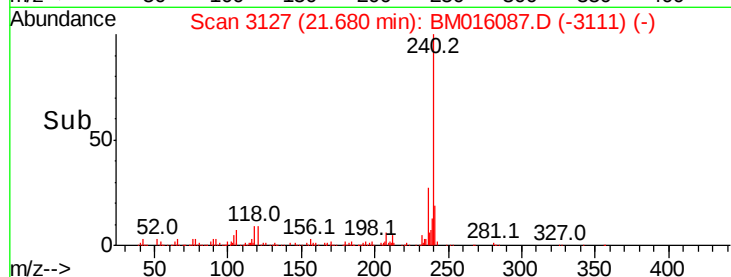
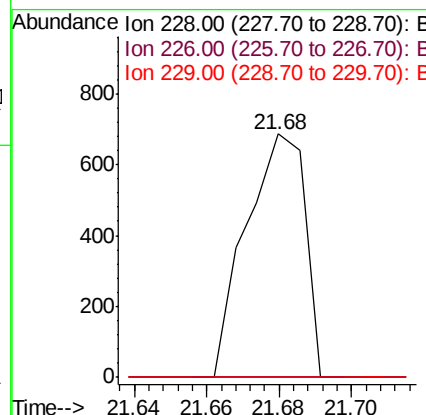
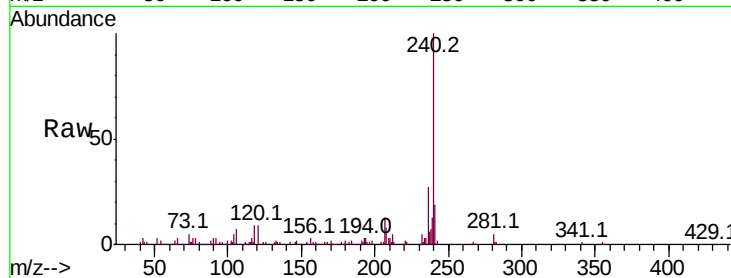




#80
Benzo(a)anthracene
Concen: 0.060 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

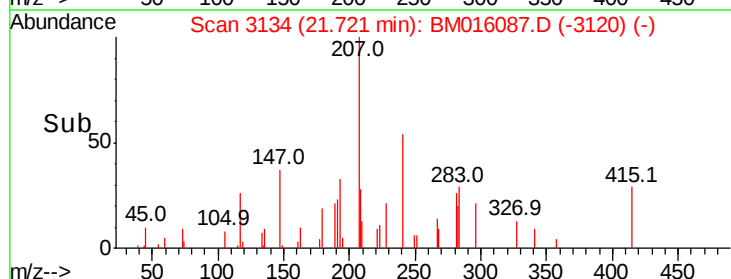
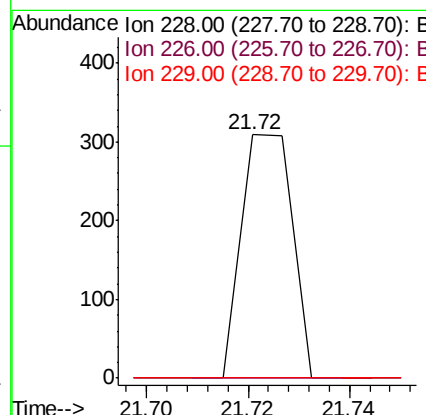
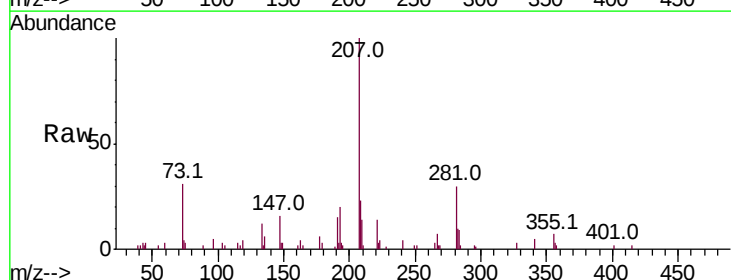
Instrument :
BNA_M
ClientSampleId :

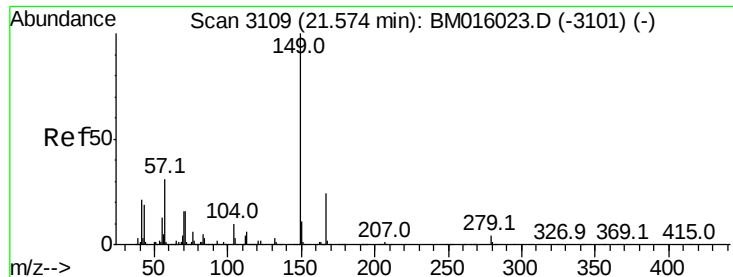
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.7	32.5#
229	0.0	16.0	24.0#



#82
Chrysene
Concen: 0.018 ng
RT: 21.72 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

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: 0.102 ng

RT: 21.55 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampleId :

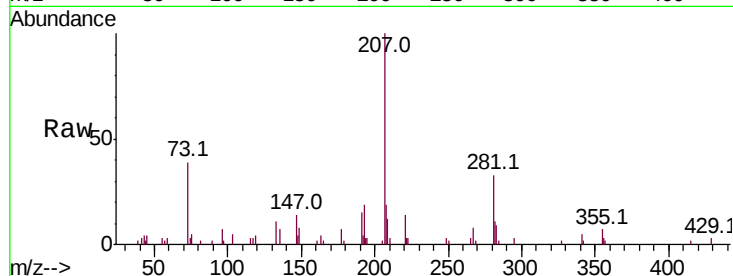
Tot Ion:149 Resp: 931

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

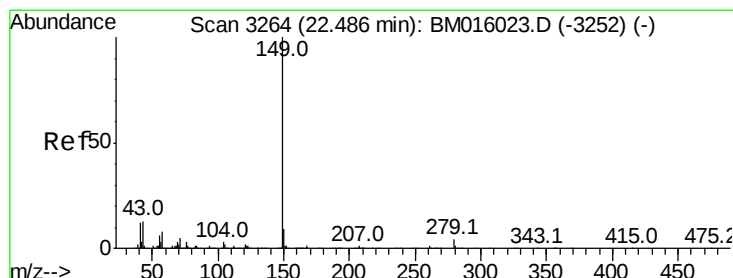
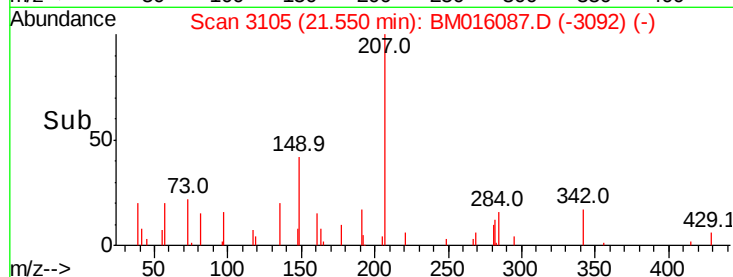
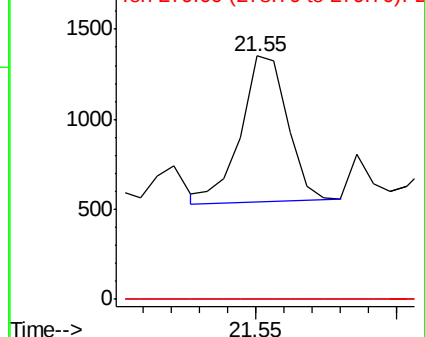
279 0.0 3.4 5.0#



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: 0.026 ng

RT: 22.47 min Scan# 3261

Delta R.T. -0.02 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

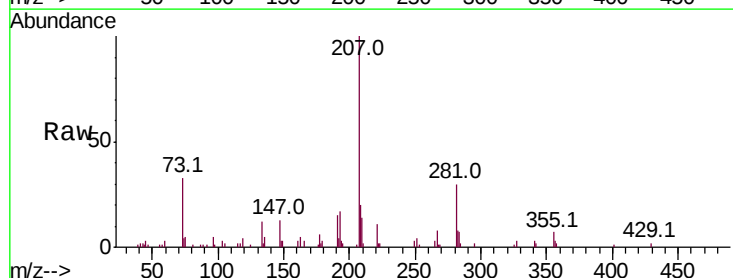
Tgt Ion:149 Resp: 402

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

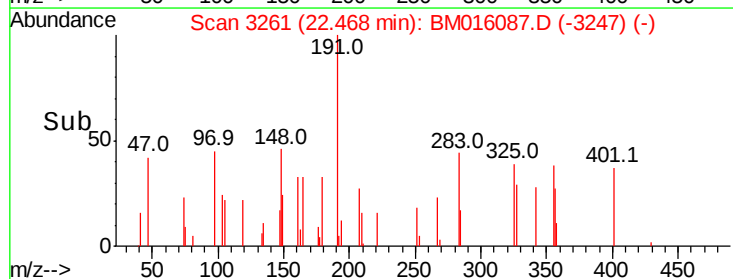
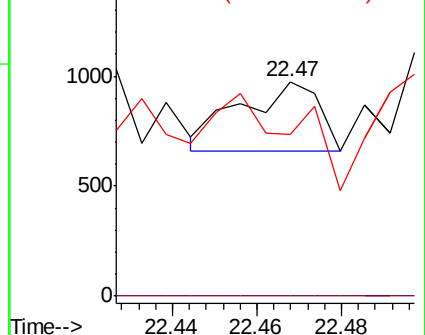
43 148.3 7.3 10.9#

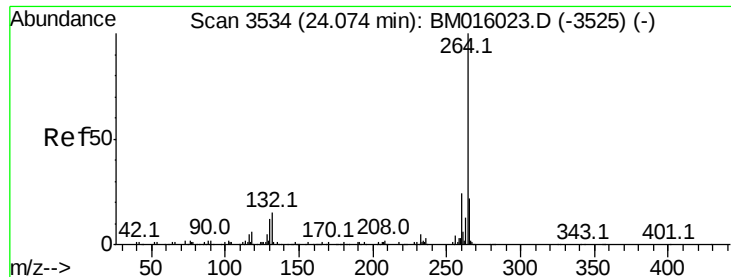


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

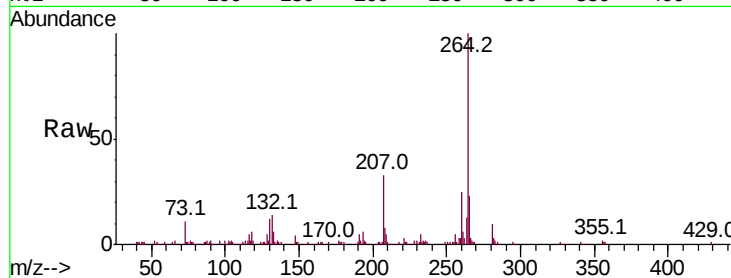




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.04 min Scan# 3529
Delta R.T. -0.03 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	23.0	17.3	25.9

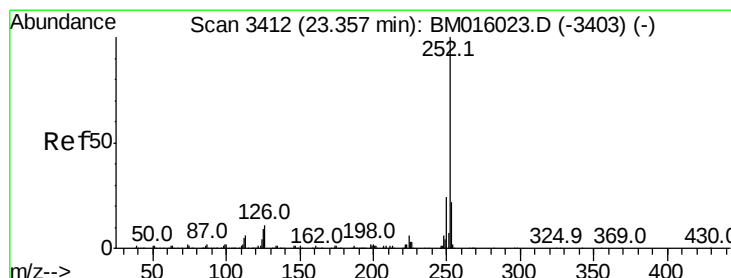
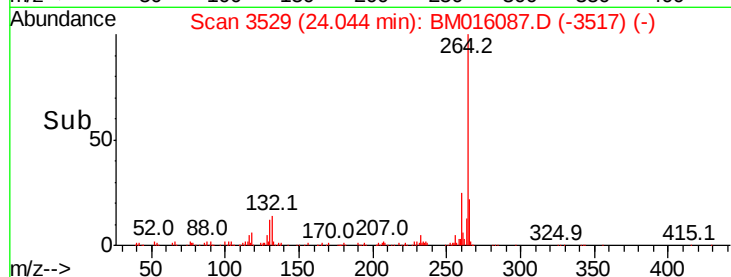
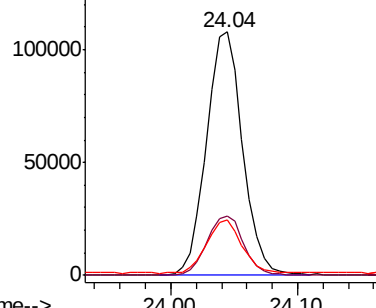


Abundance

Ion 264.00 (263.70 to 264.70): E

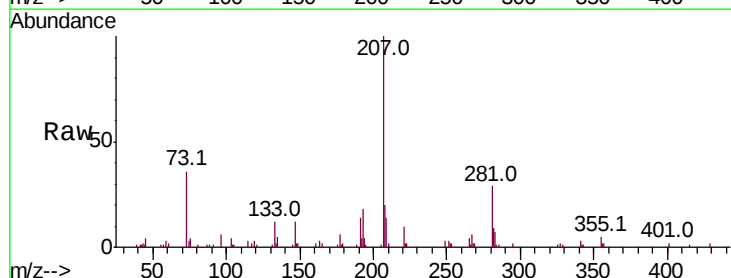
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 0.079 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM016087.D
Acq: 27 Jul 2018 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	97.8	18.0	27.0#
125	0.0	9.9	14.9#

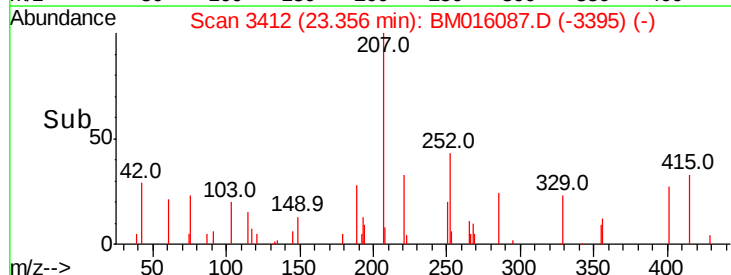
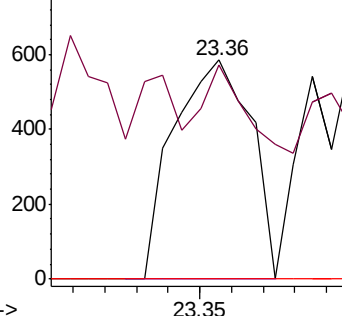


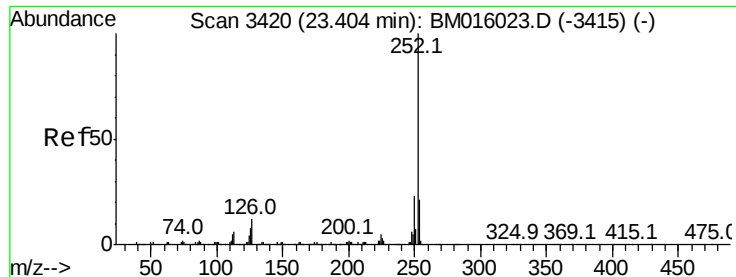
Abundance

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: 0.078 ng

RT: 23.36 min Scan# 3412

Delta R.T. -0.05 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Instrument :

BNA_M

ClientSampled :

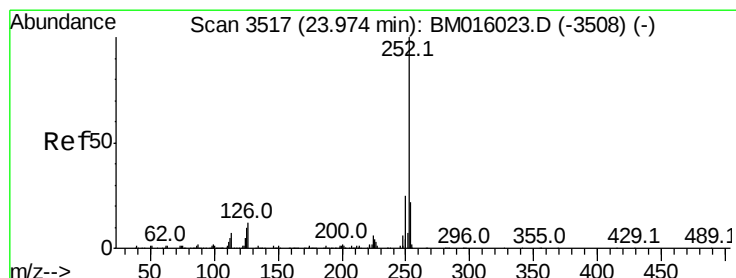
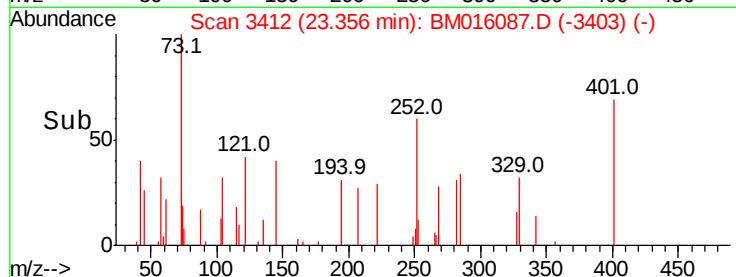
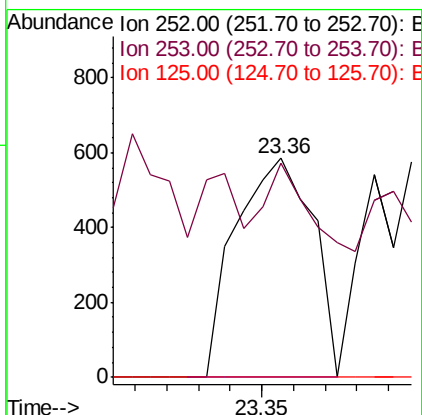
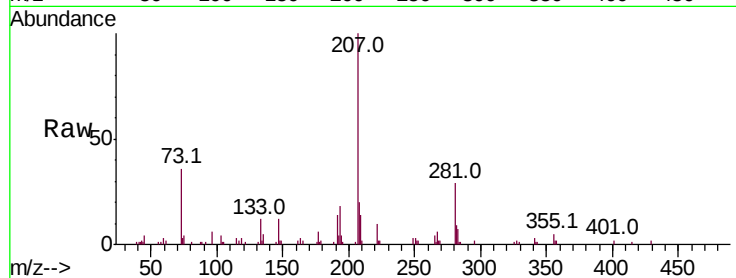
Tot Ion:252 Resp: 990

Ion Ratio Lower Upper

252 100

253 97.8 17.2 25.8#

125 0.0 8.1 12.1#



#89

Benzo(a)pyrene

Concen: 0.030 ng

RT: 23.96 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM016087.D

Acq: 27 Jul 2018 00:13

Tgt Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

253 109.1 17.6 26.4#

125 0.0 7.4 11.2#

