

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016080.D
 Acq On : 26 Jul 2018 19:58
 Operator : SJ/JU
 Sample : PB111458TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 04:58:14 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	65285	20.00	ng	-0.03
21) Naphthalene-d8	11.03	136	247744	20.00	ng	-0.03
38) Acenaphthene-d10	14.83	164	138766	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	311559	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	265840	20.00	ng	-0.02
86) Perylene-d12	24.04	264	214849	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	623072	158.54	ng	-0.02
7) Phenol-d6	7.37	99	773839	150.77	ng	-0.02
23) Nitrobenzene-d5	9.39	82	550301	103.31	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	314072	178.45	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1154638	101.24	ng	-0.02
78) Terphenyl-d14	20.14	244	2058588	162.10	ng	-0.02

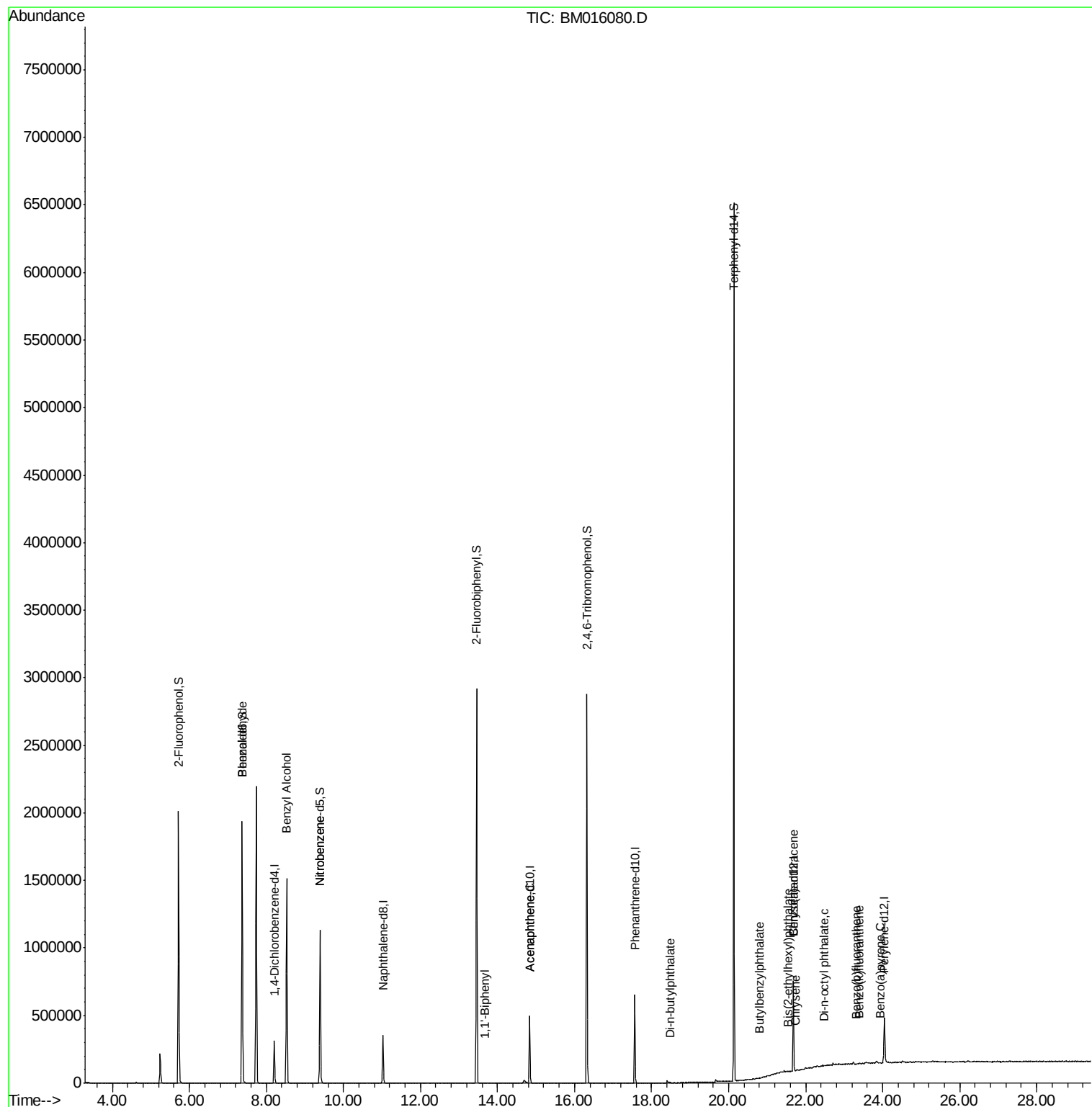
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.37	77	2450	0.679	ng	# 2
15) Benzyl Alcohol	8.53	79	9299	2.275	ng	# 40
24) Nitrobenzene	9.39	77	2793	0.521	ng	# 35
45) 1,1'-Biphenyl	13.67	154	1250	0.100	ng	# 87
51) Acenaphthene	14.83	154	453	0.052	ng	# 5
73) Di-n-butylphthalate	18.49	149	1141	0.052	ng	# 78
79) Butylbenzylphthalate	20.81	149	592	0.073	ng	# 28
80) Benzo(a)anthracene	21.69	228	1015	0.062	ng	# 53
82) Chrysene	21.72	228	251	0.016	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.56	149	1609	0.137	ng	# 52
84) Di-n-octyl phthalate	22.48	149	433	0.022	ng	# 1
87) Benzo(b)fluoranthene	23.32	252	360	0.028	ng	# 1
88) Benzo(k)fluoranthene	23.38	252	289	0.023	ng	# 1
89) Benzo(a)pyrene	23.96	252	167	0.014	ng	# 1

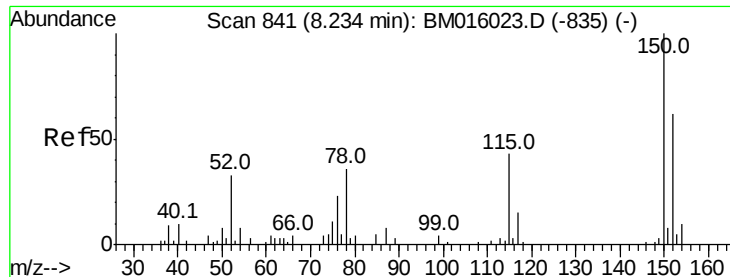
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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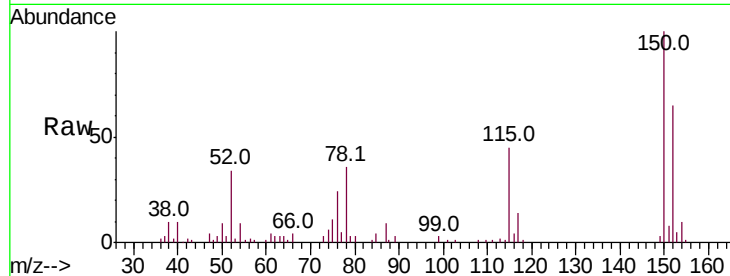


#1

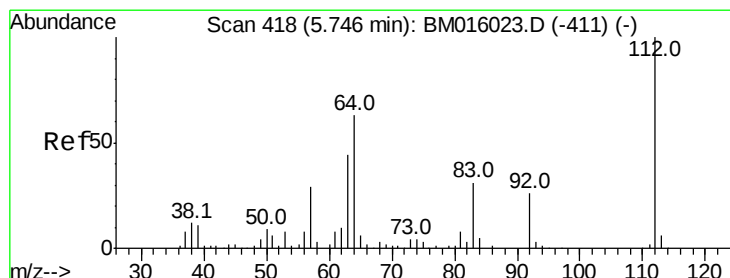
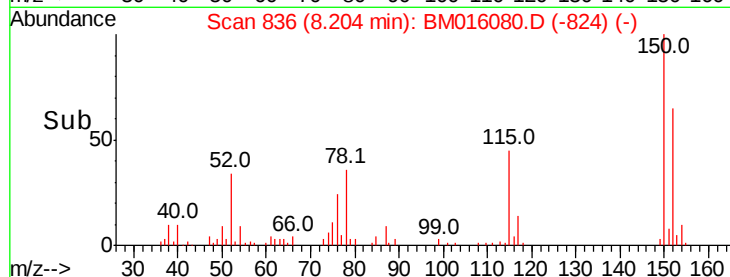
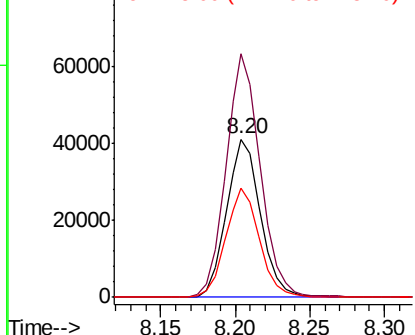
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 65285
Ion Ratio Lower Upper
152 100
150 153.8 119.5 179.3
115 68.6 43.0 64.4#



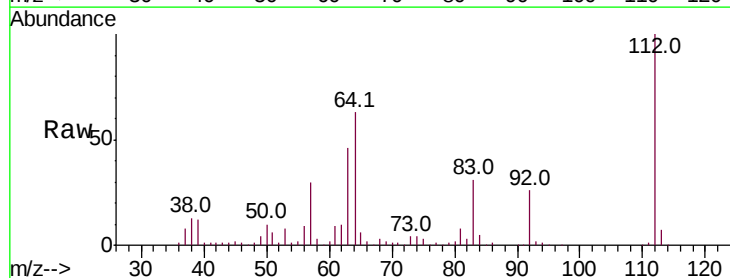
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



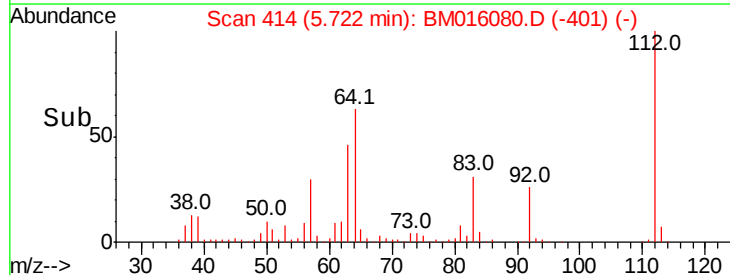
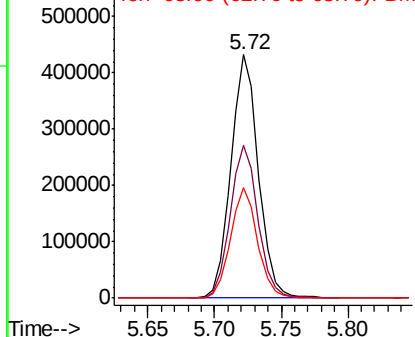
#5

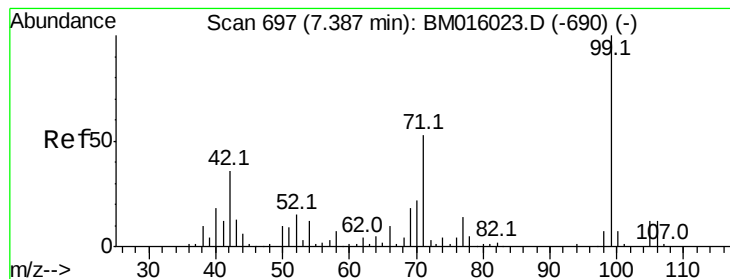
2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Tgt Ion:112 Resp: 623072
Ion Ratio Lower Upper
112 100
64 62.8 38.6 57.8#
63 45.5 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: BM016080.D

Acq: 26 Jul 2018 19:58

Instrument :

BNA_M

ClientSampled :

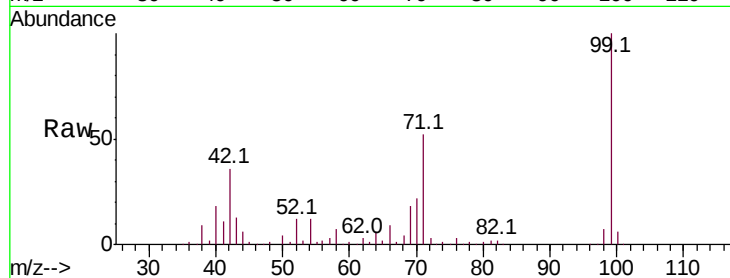
Tot Ion: 99 Resp: 773839

Ion Ratio Lower Upper

99 100

42 35.8 11.0 16.4#

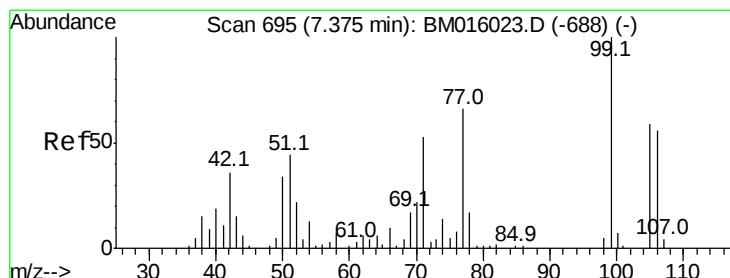
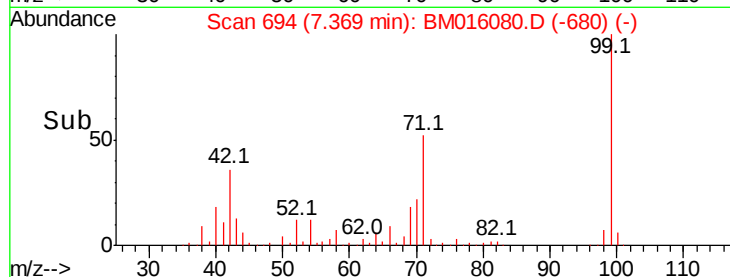
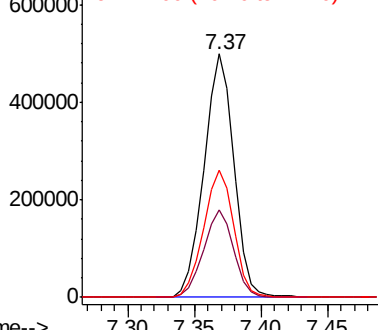
71 52.2 23.4 35.2#



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: 0.679 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

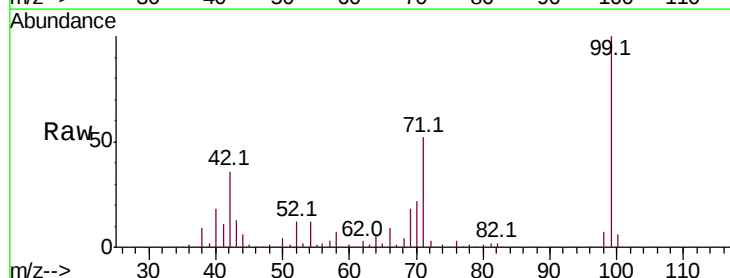
Tgt Ion: 77 Resp: 2450

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

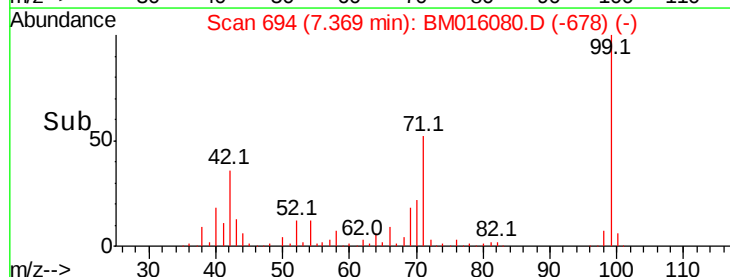
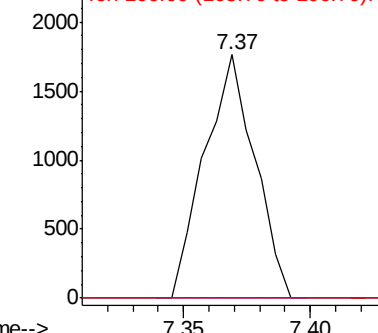
106 0.0 73.7 113.7#

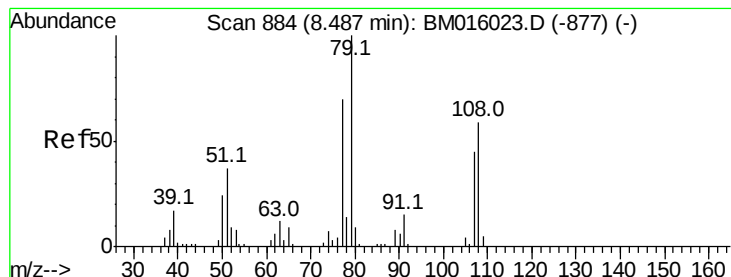


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-688) (-)

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: 2.275 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

Instrument :

BNA_M

ClientSampleId :

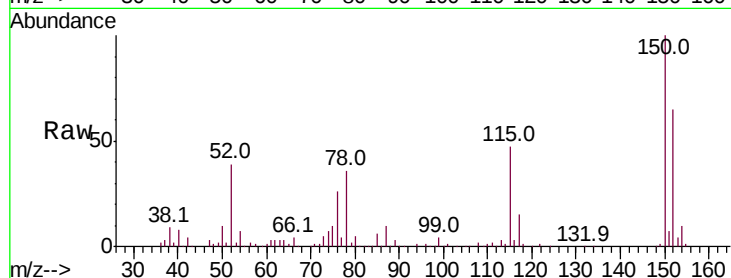
Tot Ion: 79 Resp: 9299

Ion Ratio Lower Upper

79 100

108 70.2 65.0 97.4

77 159.9 53.0 79.6#

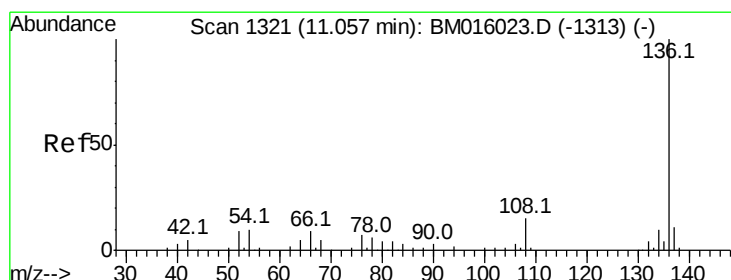
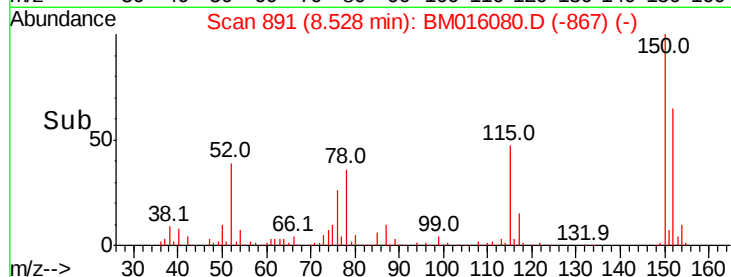
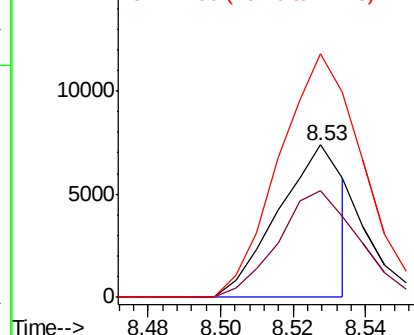


Abundance

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: 11.03 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

Tgt Ion: 136 Resp: 247744

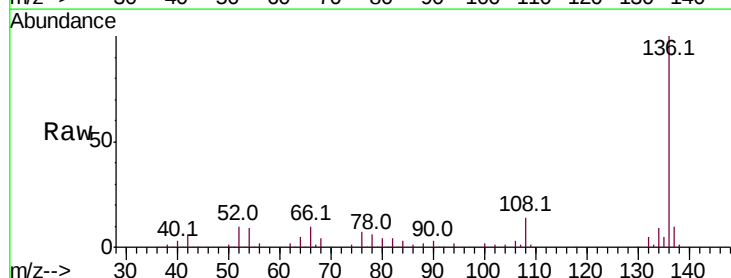
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 9.2 4.6 6.8#

68 4.0 3.7 5.5



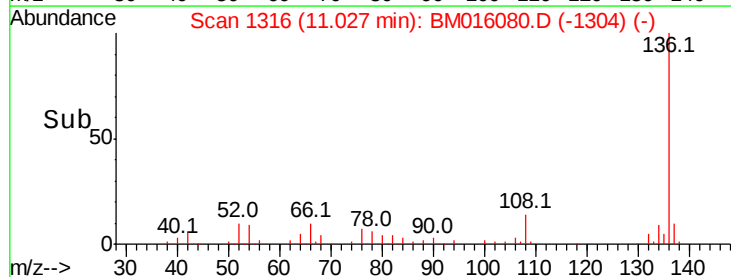
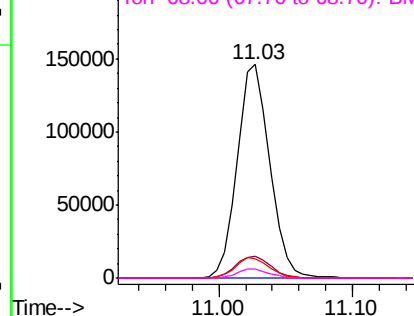
Abundance

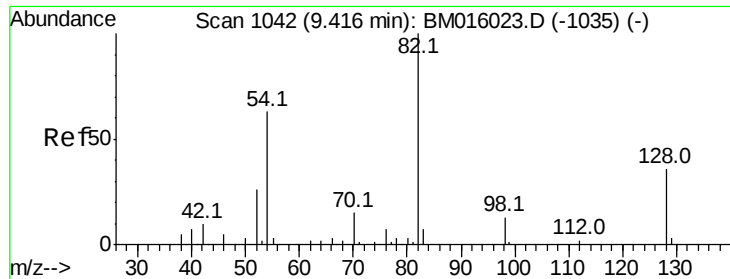
Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)

Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)

Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)

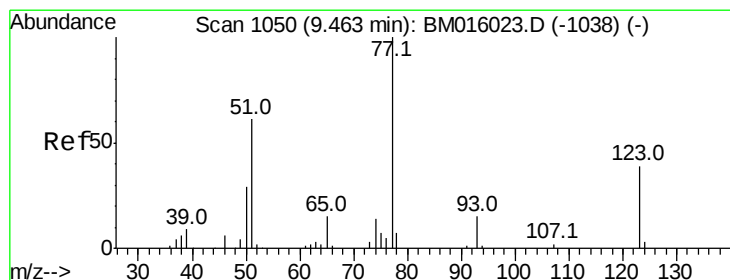
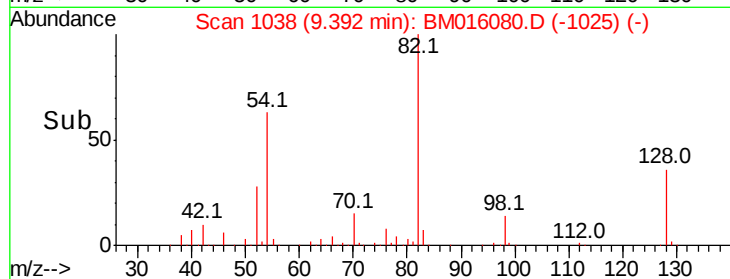
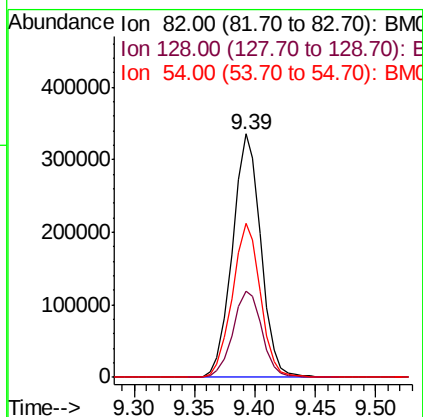
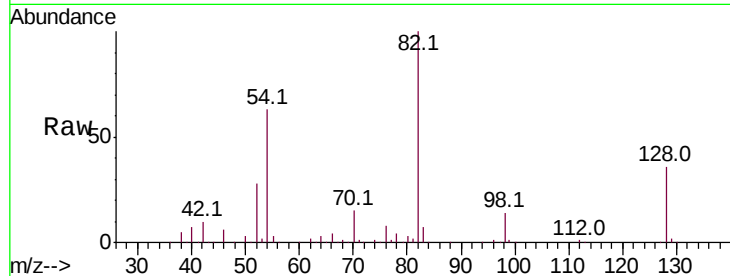




#23
Nitrobenzene-d5
Concen: N.D. na
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

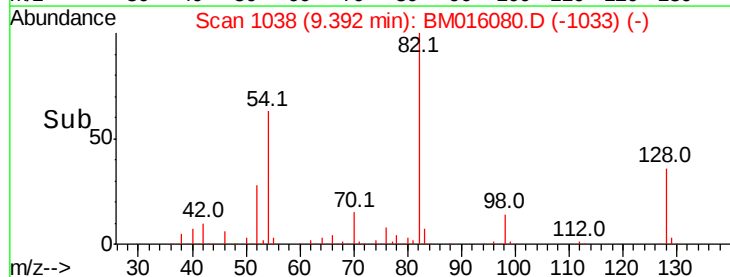
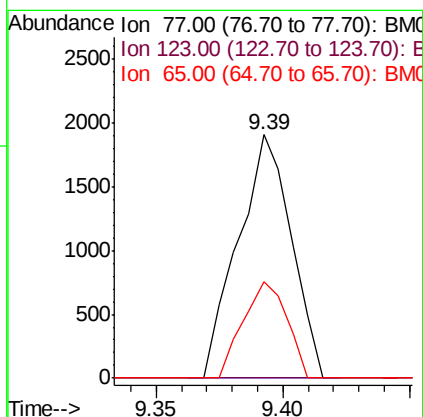
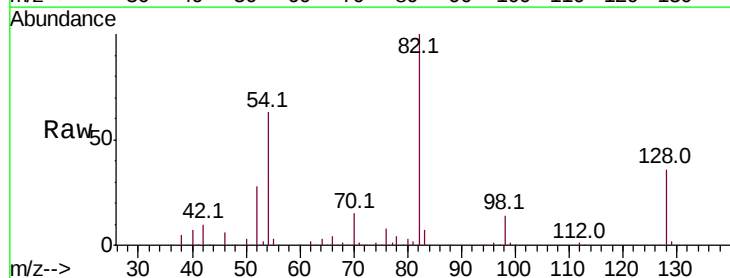
Instrument :
BNA_M
ClientSampleId :

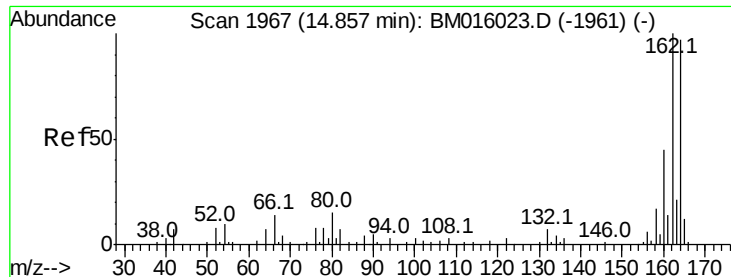
Tot Ion: 82 Resp: 550301
Ion Ratio Lower Upper
82 100
128 35.6 32.8 49.2
54 63.0 40.6 60.8#



#24
Nitrobenzene
Concen: 0.521 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Tgt Ion: 77 Resp: 2793
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 39.5 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: BM016080.D

Acq: 26 Jul 2018 19:58

Instrument :

BNA_M

ClientSampleId :

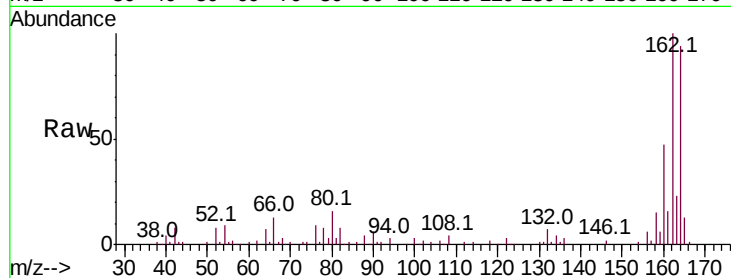
Tot Ion:164 Resp: 138766

Ion Ratio Lower Upper

164 100

162 105.9 82.4 123.6

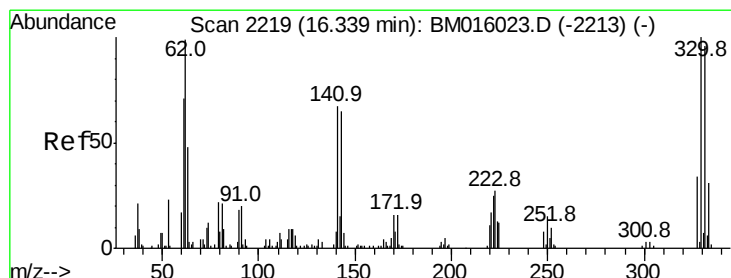
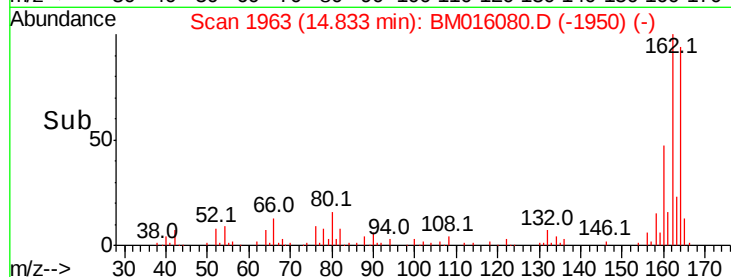
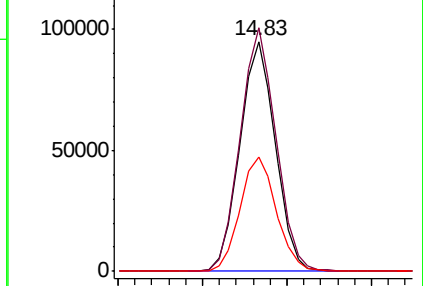
160 49.9 35.8 53.6



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: BM016080.D

Acq: 26 Jul 2018 19:58

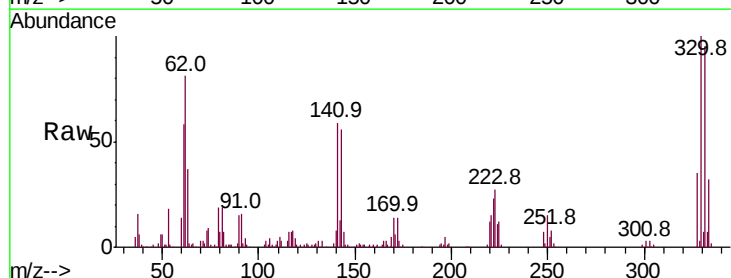
Tgt Ion:330 Resp: 314072

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

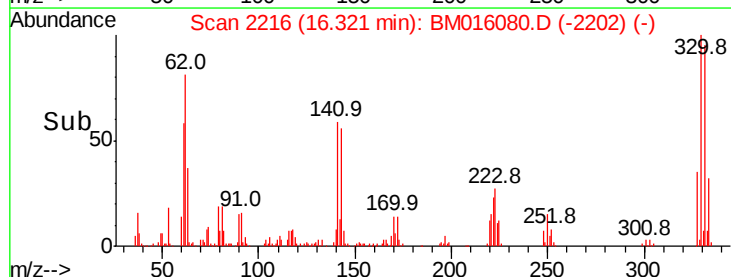
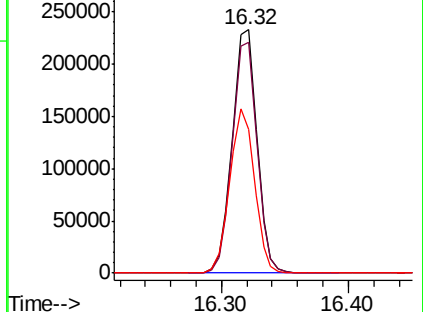
141 67.5 0.0 0.0#

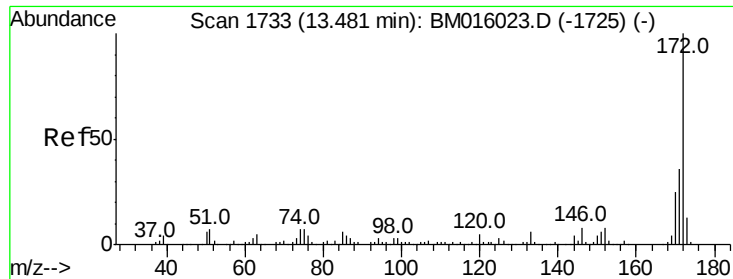


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



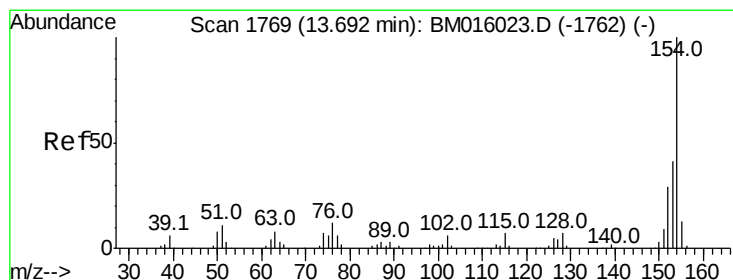
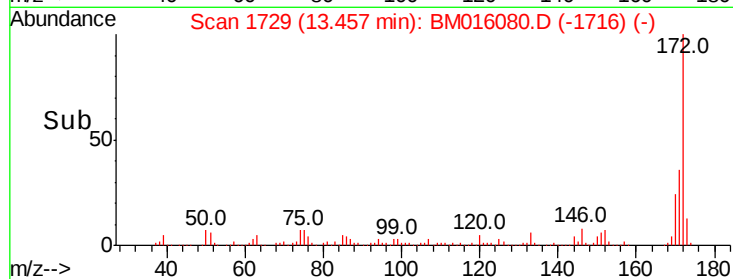
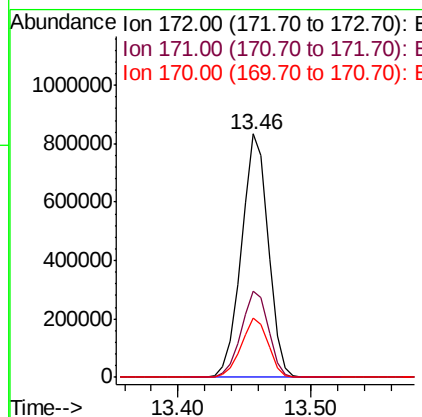
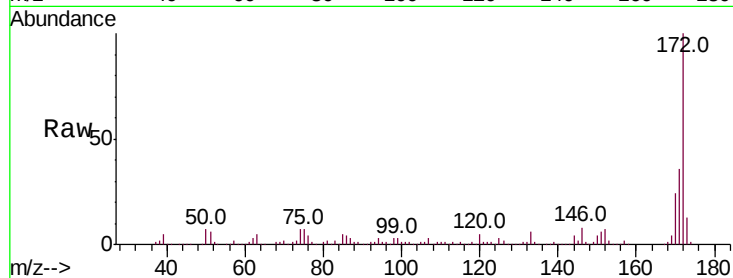


#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.46 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 1154638

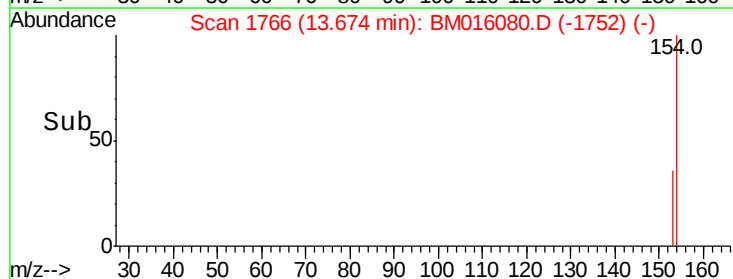
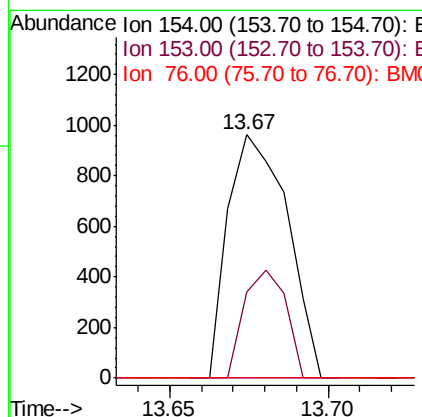
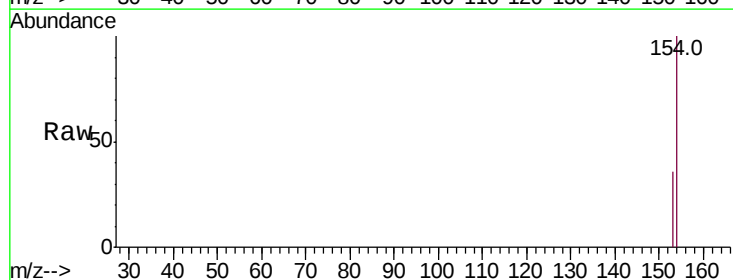
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	24.2	18.8	28.2

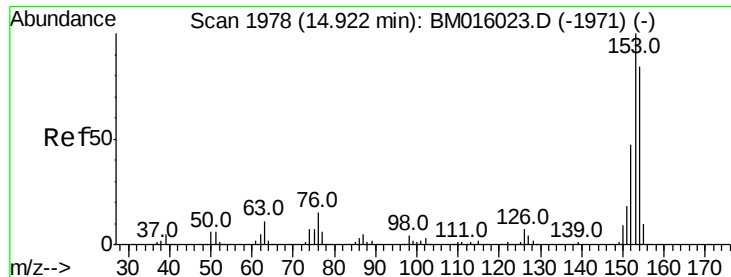


#45
 1,1'-Biphenyl
 Concen: 0.100 ng
 RT: 13.67 min Scan# 1766
 Delta R.T. -0.02 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

Tgt Ion:154 Resp: 1250

Ion	Ratio	Lower	Upper
154	100		
153	35.5	20.7	60.7
76	0.0	0.0	30.9





#51

Acenaphthene

Concen: 0.052 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.09 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

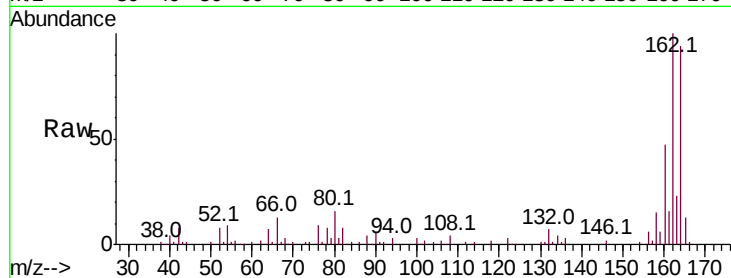
Instrument :

BNA_M

ClientSampleId :

Tot Ion:154 Resp: 453

Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.0	135.0#
152	0.0	42.6	63.8#



Abundance

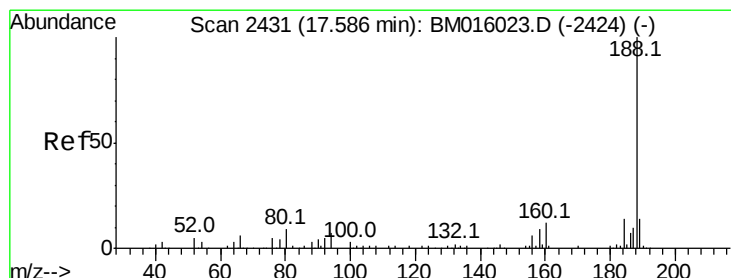
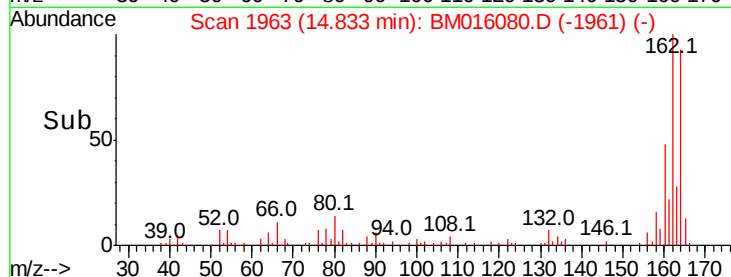
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.83

Time--> 14.80 14.82 14.84 14.86



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.56 min Scan# 2427

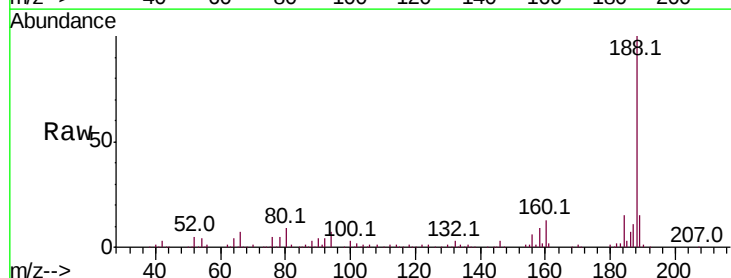
Delta R.T. -0.02 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

Tgt Ion:188 Resp: 311559

Ion	Ratio	Lower	Upper
188	100		
94	6.9	8.7	13.1#
80	8.7	9.3	13.9#



Abundance

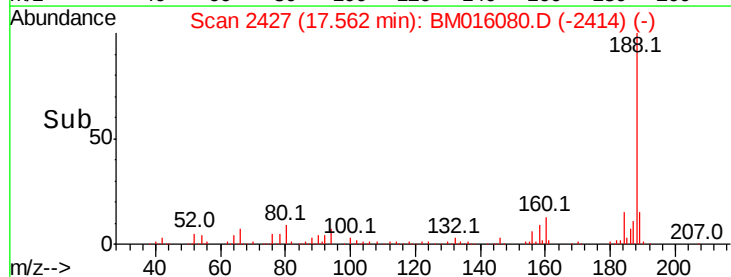
Ion 188.00 (187.70 to 188.70): E

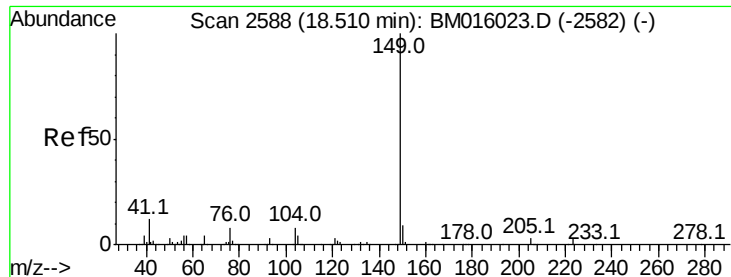
Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

17.56

Time--> 17.50 17.60

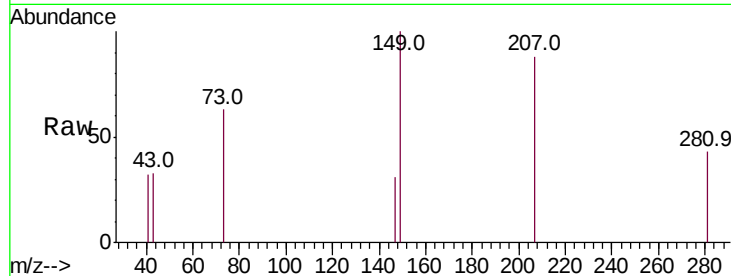




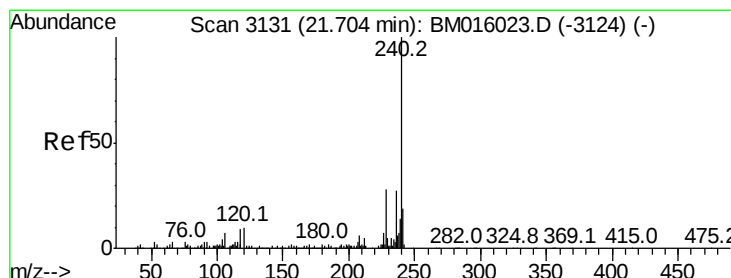
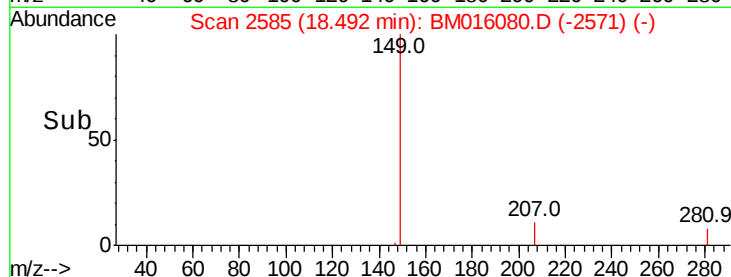
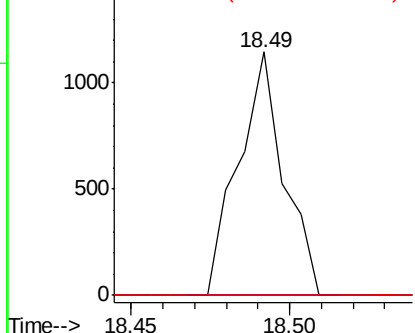
#73
Di-n-butylphthalate
Concen: 0.052 ng
RT: 18.49 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 1141
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#

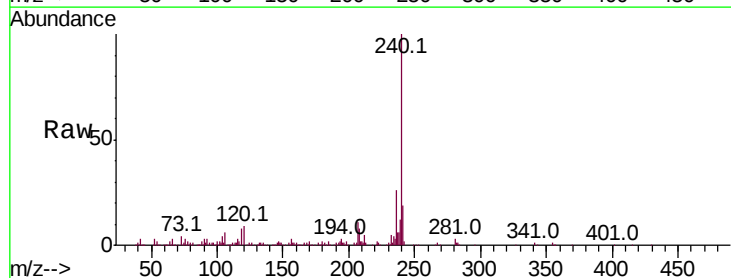


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

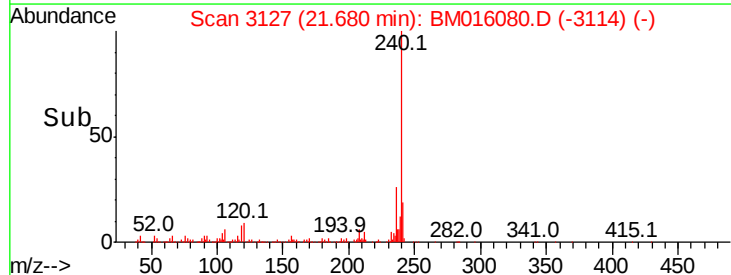
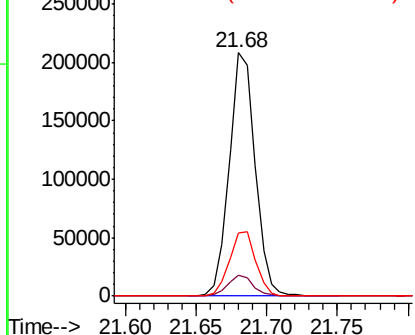


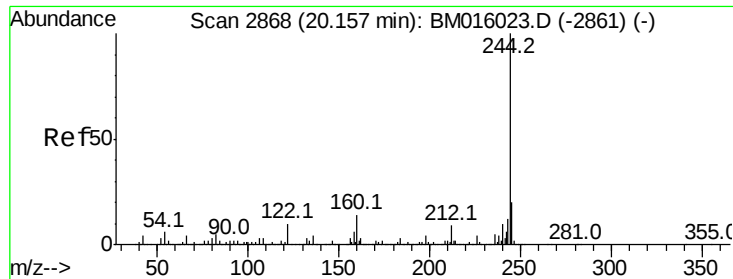
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Tgt Ion:240 Resp: 265840
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.2
236 26.1 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

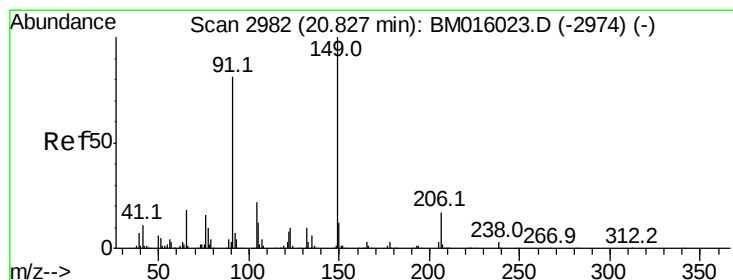
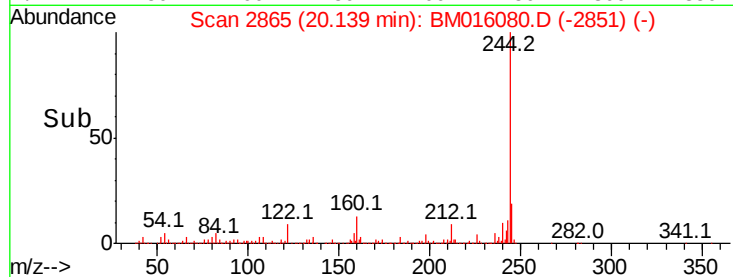
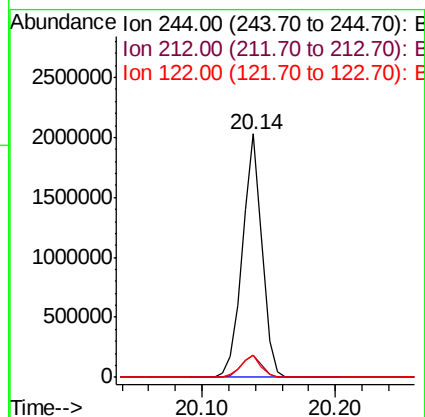
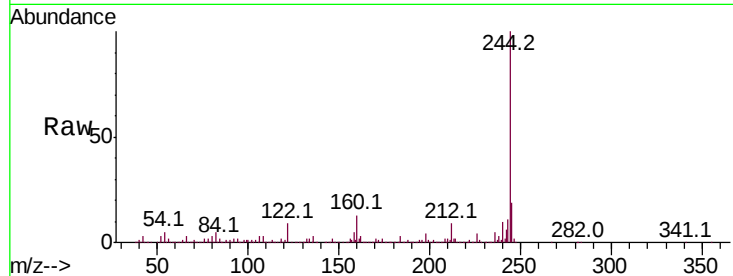




#78
 Terphenyl-d14
 Concen: N.D. ng
 RT: 20.14 min Scan# 2865
 Delta R.T. -0.02 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

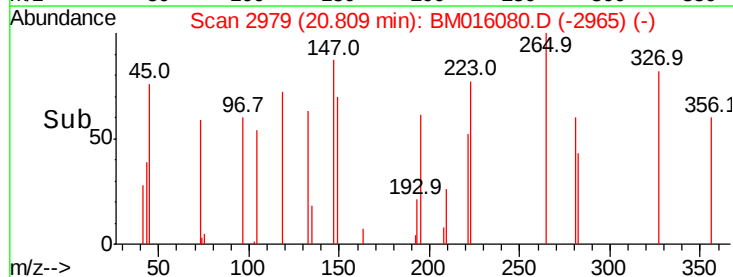
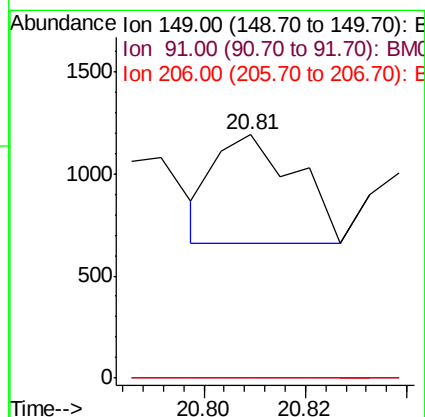
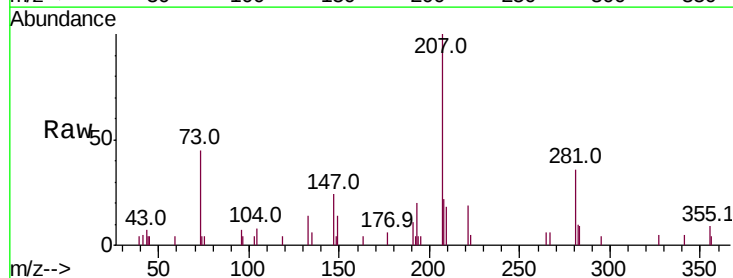
Instrument :
 BNA_M
 ClientSampled :

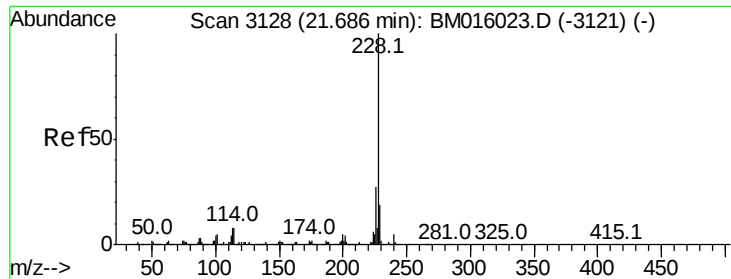
Tot Ion:244 Resp: 2058588
 Ion Ratio Lower Upper
 244 100
 212 9.1 4.9 7.3#
 122 8.9 6.2 9.4



#79
 Butylbenzylphthalate
 Concen: 0.073 ng
 RT: 20.81 min Scan# 2979
 Delta R.T. -0.02 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

Tgt Ion:149 Resp: 592
 Ion Ratio Lower Upper
 149 100
 91 0.0 50.1 75.1#
 206 0.0 16.2 24.2#

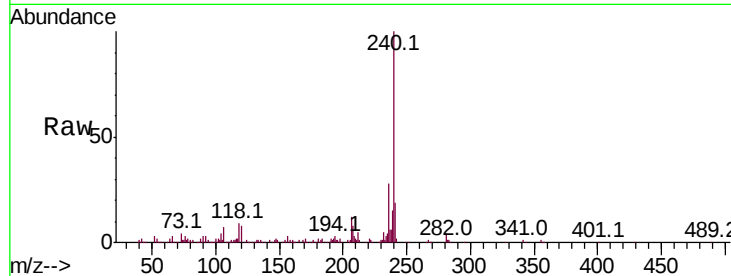




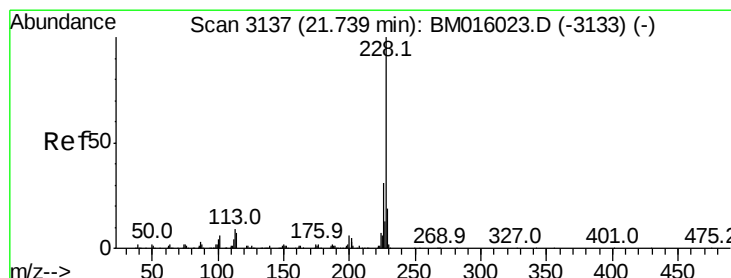
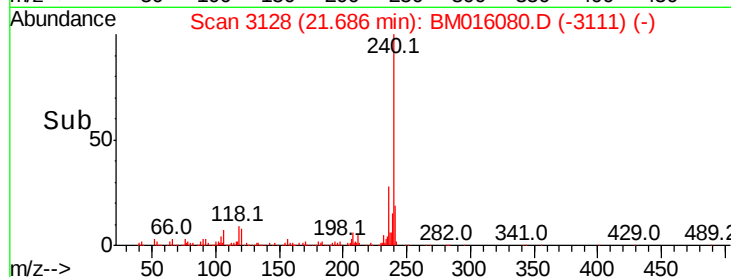
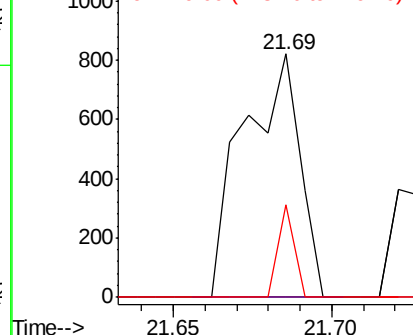
#80
Benzo(a)anthracene
Concen: 0.062 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Instrument :
BNA_M
ClientSampled :

Tot Ion:228 Resp: 1015
Ion Ratio Lower Upper
228 100
226 0.0 21.7 32.5#
229 38.2 16.0 24.0#

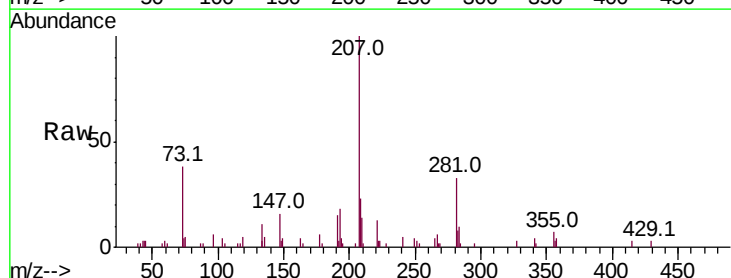


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

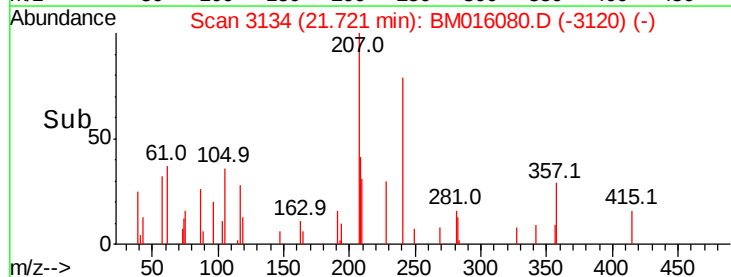
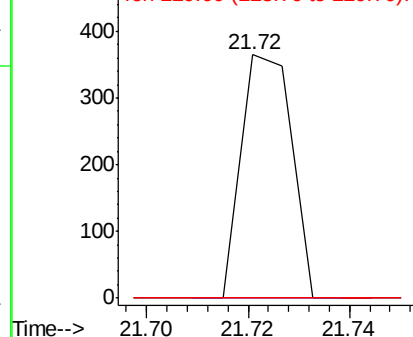


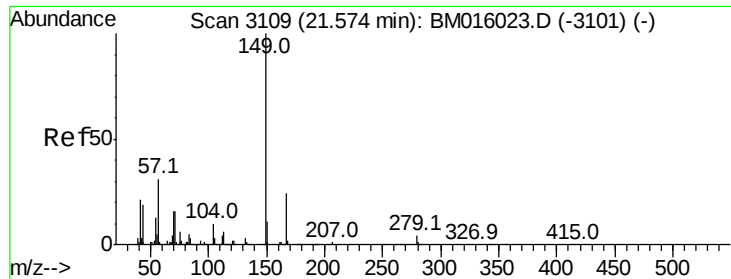
#82
Chrysene
Concen: 0.016 ng
RT: 21.72 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BM016080.D
Acq: 26 Jul 2018 19:58

Tgt Ion:228 Resp: 251
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

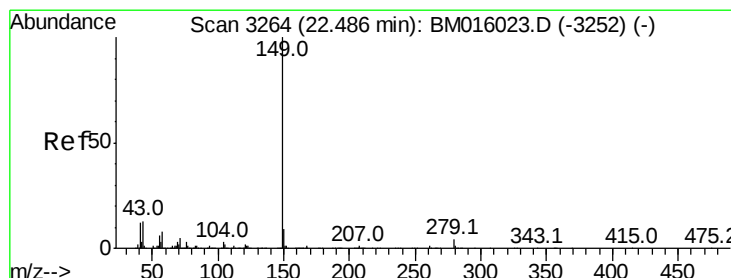
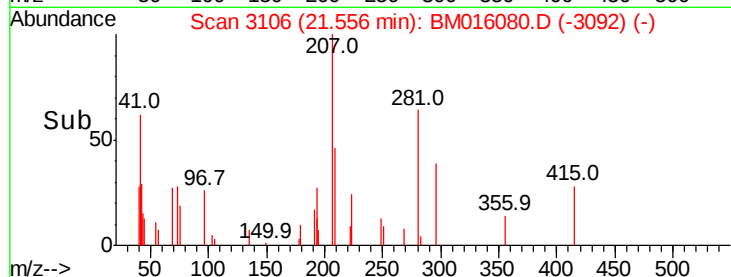
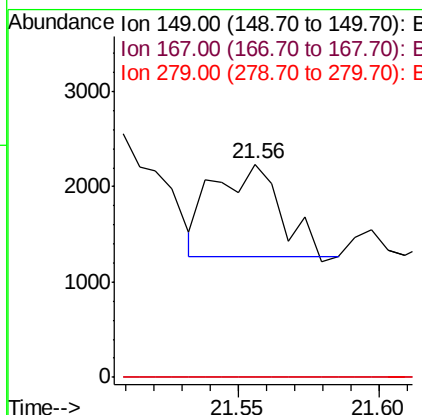
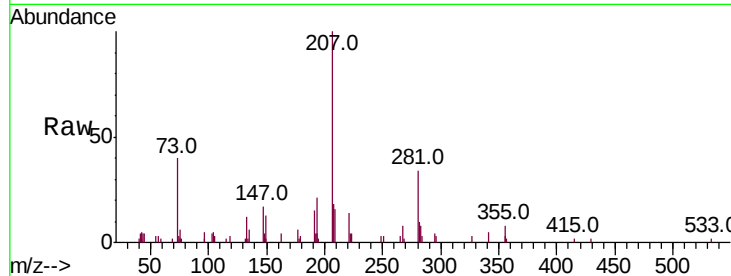




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.137 ng
 RT: 21.56 min Scan# 3106
 Delta R.T. -0.02 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

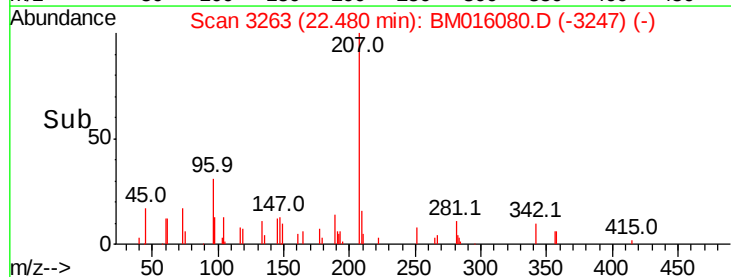
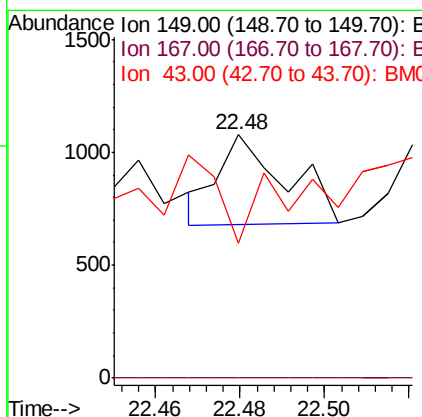
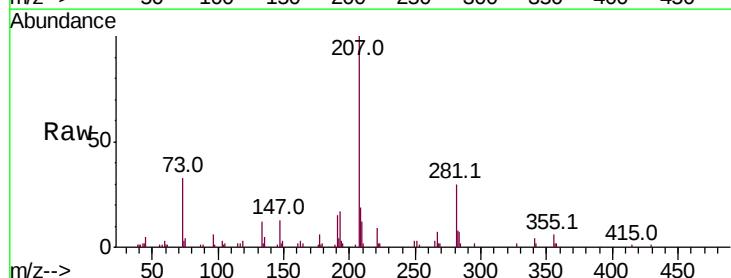
Instrument :
 BNA_M
 ClientSampleID :

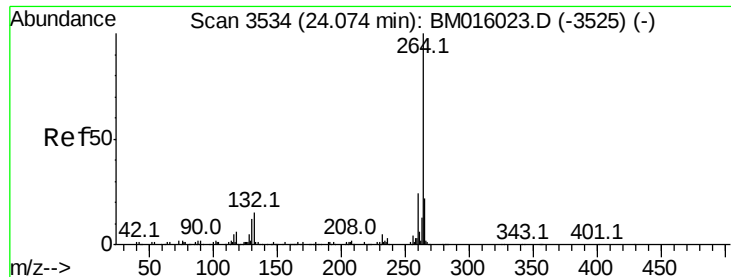
Tot Ion:149 Resp: 1609
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.4 33.6#
 279 0.0 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 0.022 ng
 RT: 22.48 min Scan# 3263
 Delta R.T. -0.01 min
 Lab File: BM016080.D
 Acq: 26 Jul 2018 19:58

Tgt Ion:149 Resp: 433
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 55.7 7.3 10.9#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.04 min Scan# 3529

Delta R.T. -0.03 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

Instrument :

BNA_M

ClientSampled :

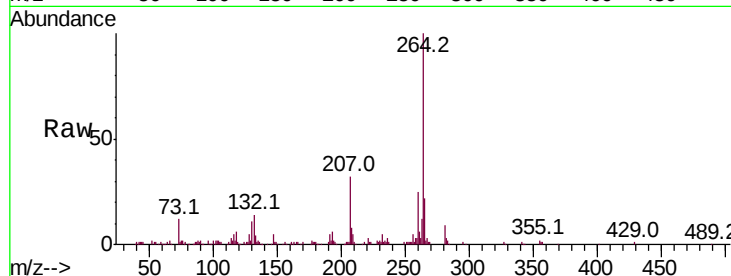
Tot Ion:264 Resp: 214849

Ion Ratio Lower Upper

264 100

260 24.8 18.6 27.8

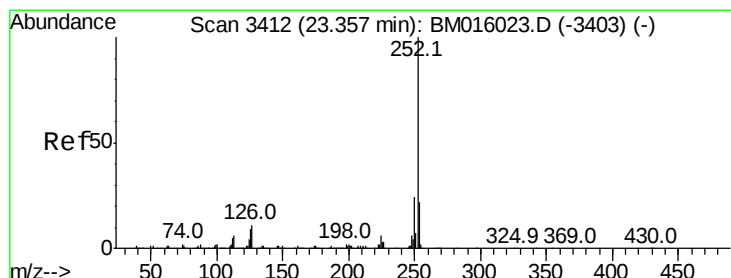
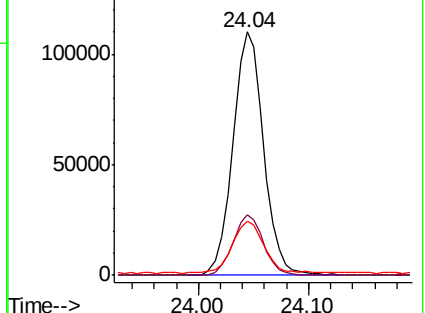
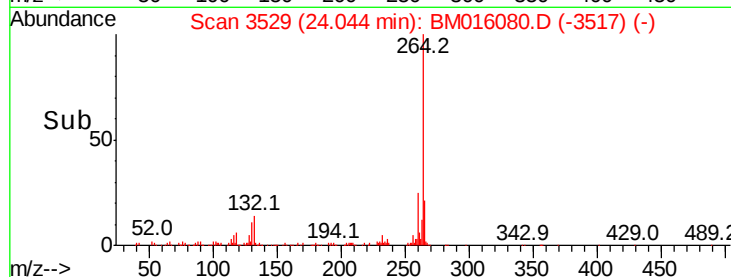
265 22.4 17.3 25.9



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: 0.028 ng

RT: 23.32 min Scan# 3406

Delta R.T. -0.04 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

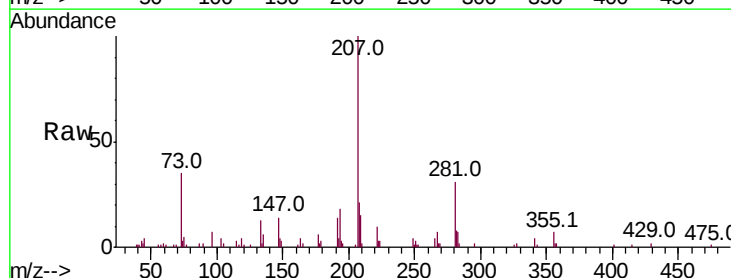
Tgt Ion:252 Resp: 360

Ion Ratio Lower Upper

252 100

253 115.4 18.0 27.0#

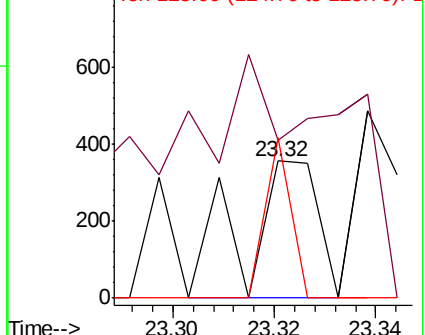
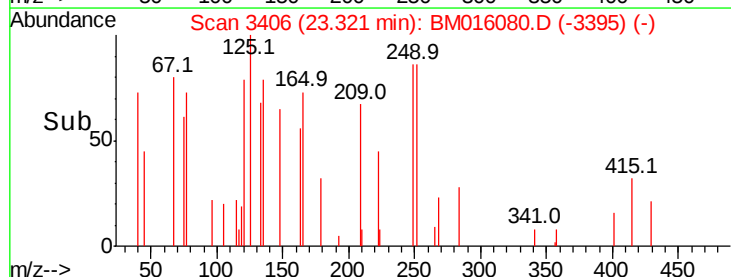
125 116.6 9.9 14.9#

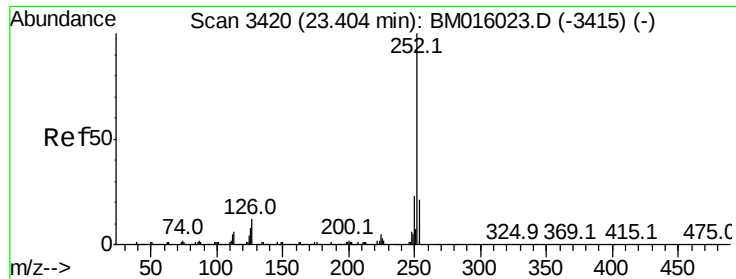


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 23.38 min Scan# 3416

Delta R.T. -0.02 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

Instrument :

BNA_M

ClientSampleId :

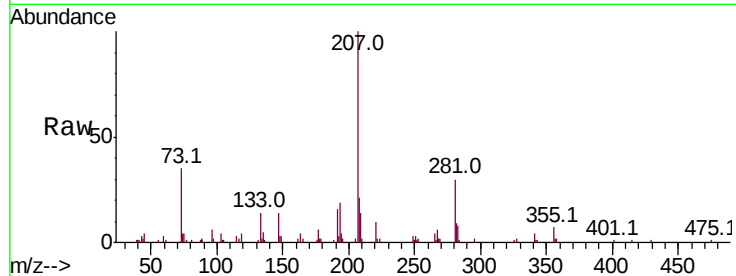
Tot Ion:252 Resp: 289

Ion Ratio Lower Upper

252 100

253 116.7 17.2 25.8#

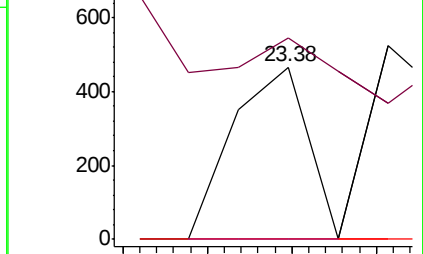
125 0.0 8.1 12.1#



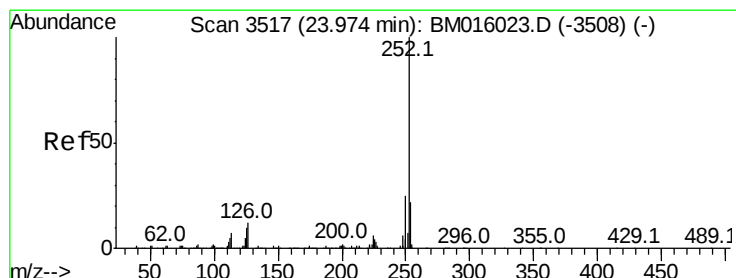
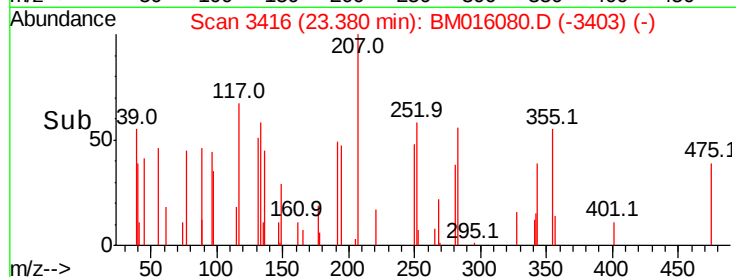
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 0.014 ng

RT: 23.96 min Scan# 3514

Delta R.T. -0.02 min

Lab File: BM016080.D

Acq: 26 Jul 2018 19:58

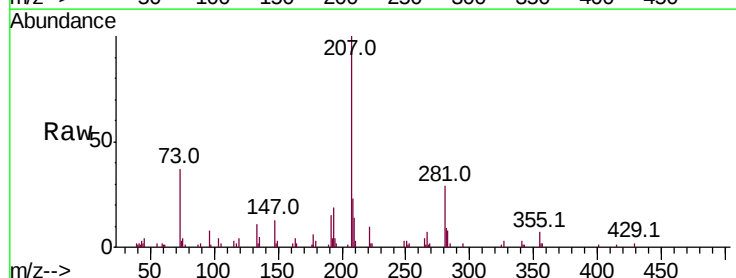
Tgt Ion:252 Resp: 167

Ion Ratio Lower Upper

252 100

253 143.6 17.6 26.4#

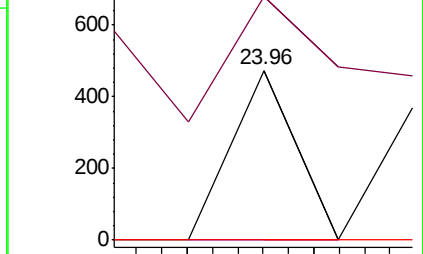
125 0.0 7.4 11.2#



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



Time-->

