

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072618\
 Data File : BM016085.D
 Acq On : 26 Jul 2018 23:01
 Operator : SJ/JU
 Sample : J4160-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 27 04:59:30 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	58751	20.00	ng	-0.03
21) Naphthalene-d8	11.02	136	227338	20.00	ng	-0.04
38) Acenaphthene-d10	14.83	164	132503	20.00	ng	-0.02
63) Phenanthrene-d10	17.56	188	297883	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	270964	20.00	ng	-0.02
86) Perylene-d12	24.04	264	217967	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	152450	43.10	ng	-0.02
7) Phenol-d6	7.36	99	128836	27.89	ng	-0.02
23) Nitrobenzene-d5	9.39	82	524458	107.30	ng	-0.02
41) 2,4,6-Tribromophenol	16.32	330	170655	101.55	ng	-0.02
44) 2-Fluorobiphenyl	13.46	172	1098451	100.87	ng	-0.02
78) Terphenyl-d14	20.14	244	1772916	136.96	ng	-0.02

Target Compounds

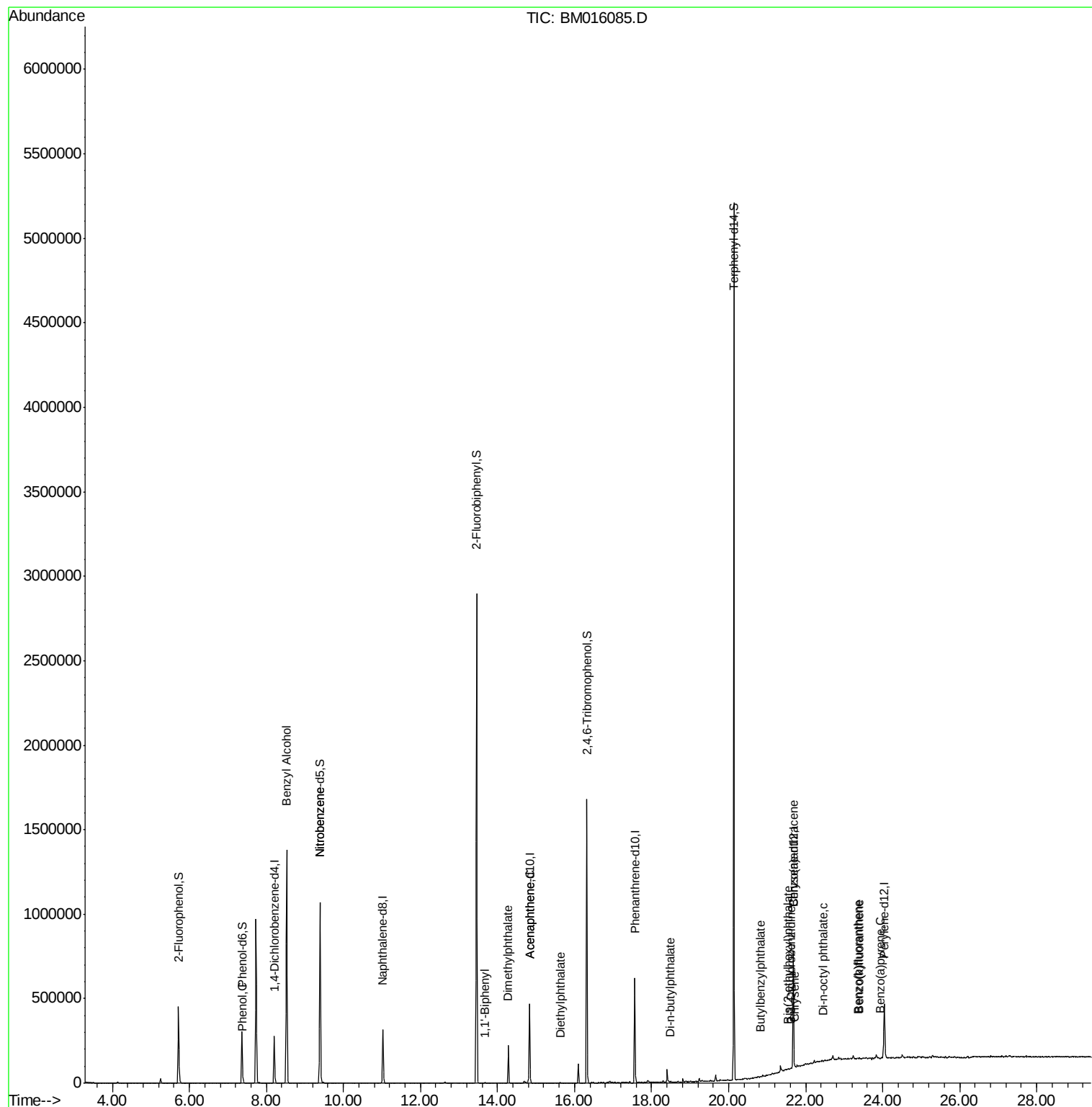
						Qvalue
10) Phenol	7.39	94	3126	0.677	ng	89
15) Benzyl Alcohol	8.53	79	9256	2.517	ng	# 48
24) Nitrobenzene	9.39	77	2741	0.557	ng	# 41
45) 1,1'-Biphenyl	13.68	154	1154	0.097	ng	82
49) Dimethylphthalate	14.28	163	116386	10.037	ng	98
51) Acenaphthene	14.83	154	288	0.034	ng	# 5
59) Diethylphthalate	15.64	149	662	0.053	ng	# 58
73) Di-n-butylphthalate	18.49	149	698	0.033	ng	# 78
79) Butylbenzylphthalate	20.82	149	253	0.031	ng	# 28
80) Benzo(a)anthracene	21.68	228	765	0.046	ng	# 51
81) 3,3'-Dichlorobenzidine	21.62	252	107	0.016	ng	# 26
82) Chrysene	21.72	228	365	0.023	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.56	149	1334	0.112	ng	# 52
84) Di-n-octyl phthalate	22.46	149	280	0.014	ng	# 1
87) Benzo(b)fluoranthene	23.35	252	708	0.055	ng	# 1
88) Benzo(k)fluoranthene	23.39	252	1139	0.088	ng	# 1
89) Benzo(a)pyrene	23.94	252	152	0.012	ng	# 1

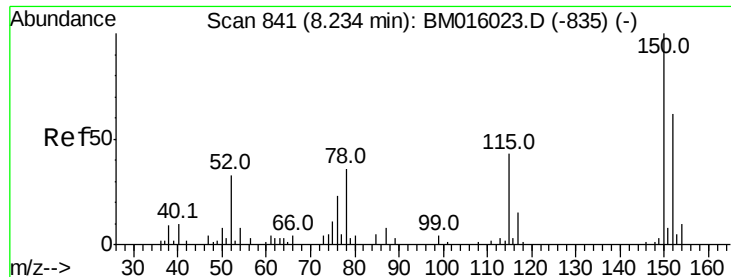
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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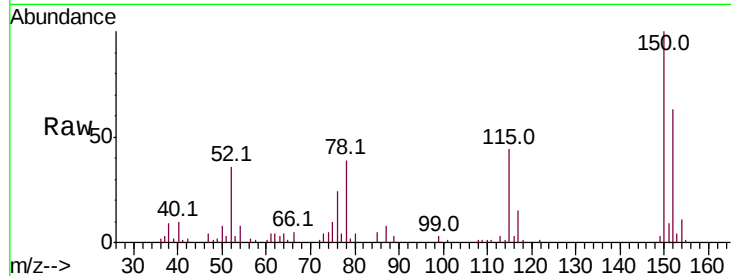


#1

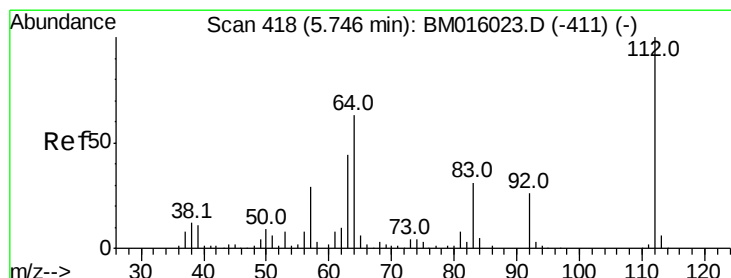
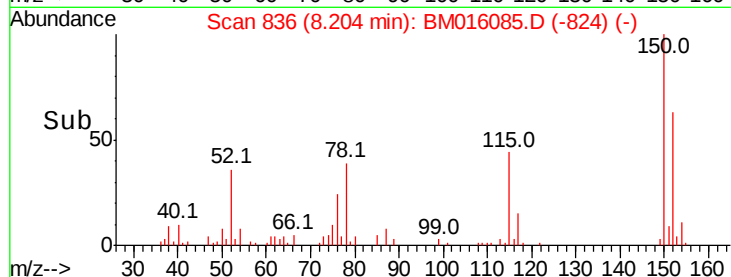
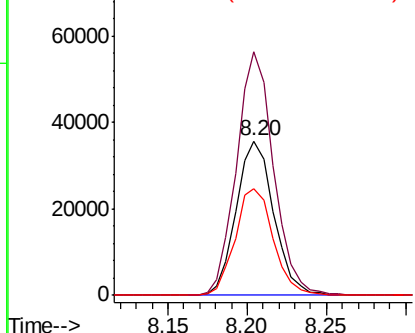
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.20 min Scan# 836
Delta R.T. -0.03 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 58751
Ion Ratio Lower Upper
152 100
150 157.8 119.5 179.3
115 69.6 43.0 64.4#



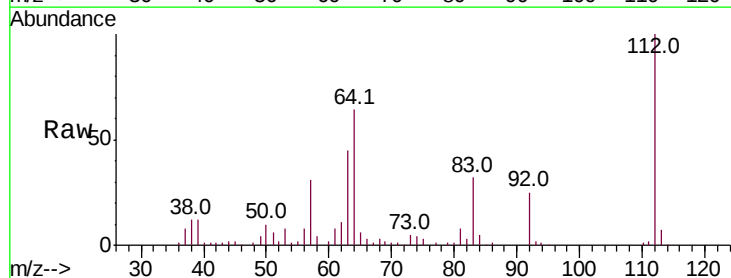
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



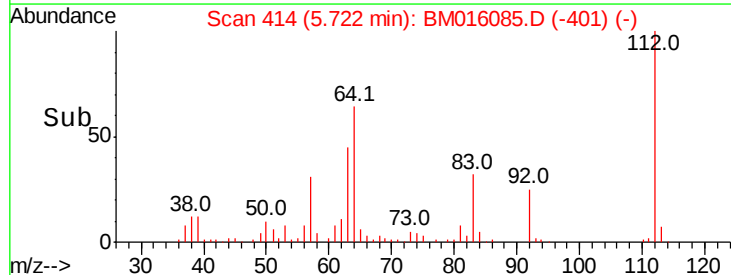
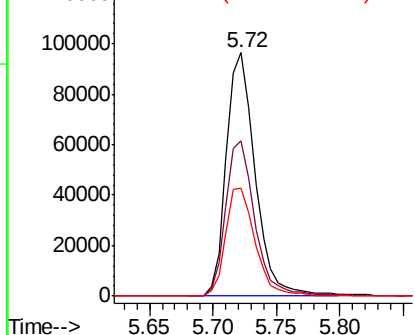
#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Tgt Ion:112 Resp: 152450
Ion Ratio Lower Upper
112 100
64 63.6 38.6 57.8#
63 44.6 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# 693

Delta R.T. -0.02 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

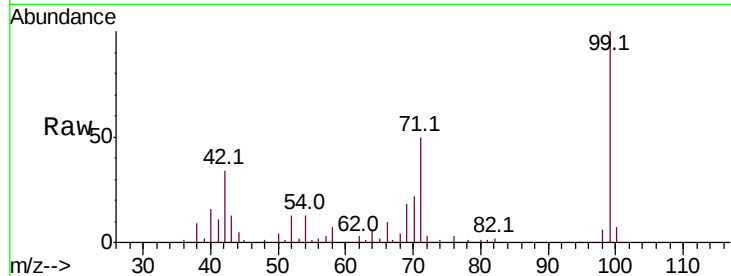
Tot Ion: 99 Resp: 128836

Ion Ratio Lower Upper

99 100

42 33.6 11.0 16.4#

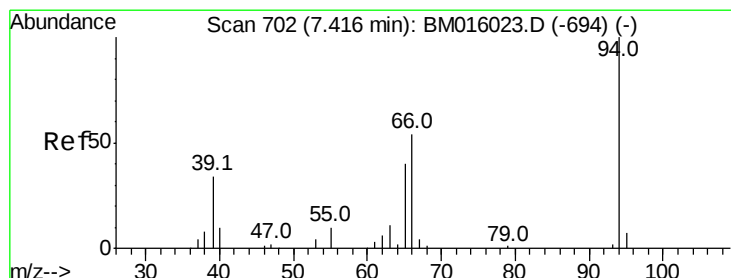
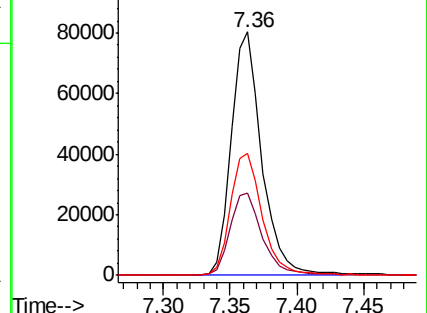
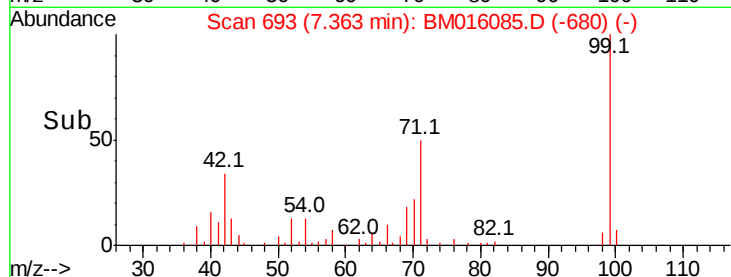
71 50.2 23.4 35.2#



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) (-)



#10

Phenol

Concen: 0.677 ng

RT: 7.39 min Scan# 698

Delta R.T. -0.02 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

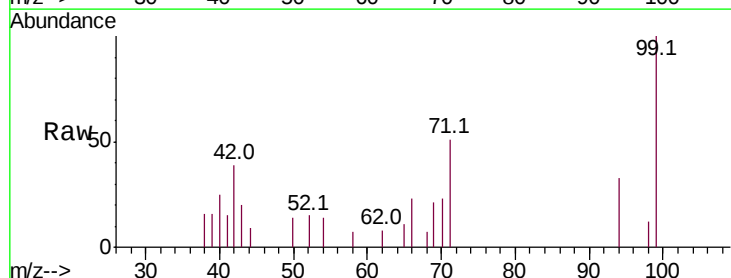
Tgt Ion: 94 Resp: 3126

Ion Ratio Lower Upper

94 100

65 33.8 18.8 58.8

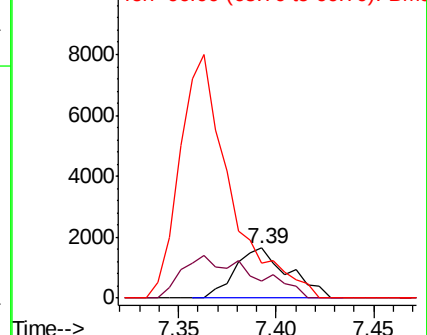
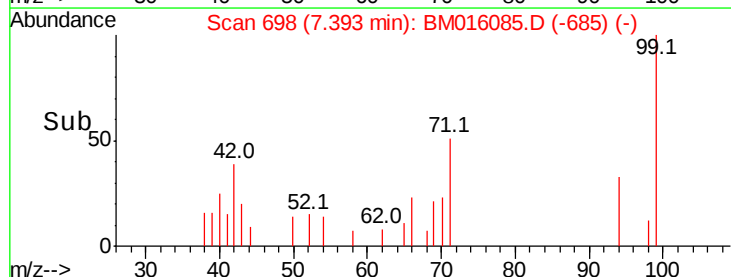
66 69.1 39.9 79.9

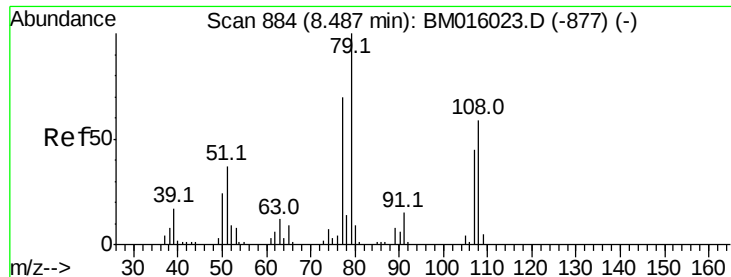


Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

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: 2.517 ng

RT: 8.53 min Scan# 891

Delta R.T. 0.04 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

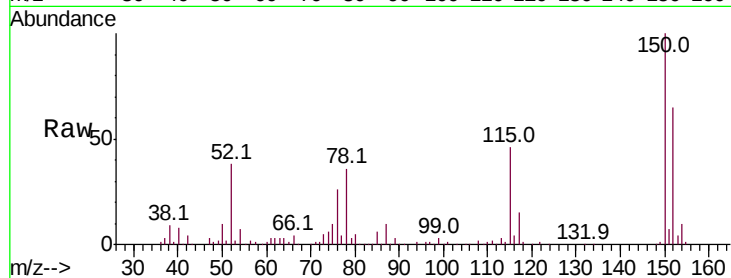
Tot Ion: 79 Resp: 9256

Ion Ratio Lower Upper

79 100

108 71.3 65.0 97.4

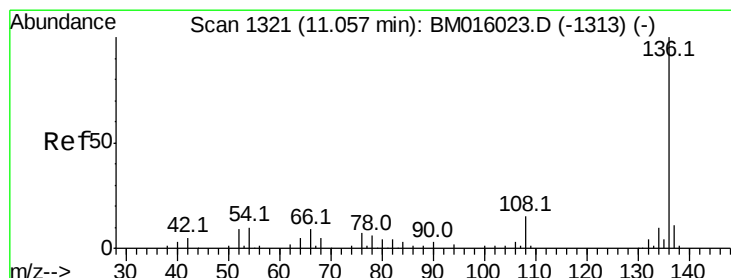
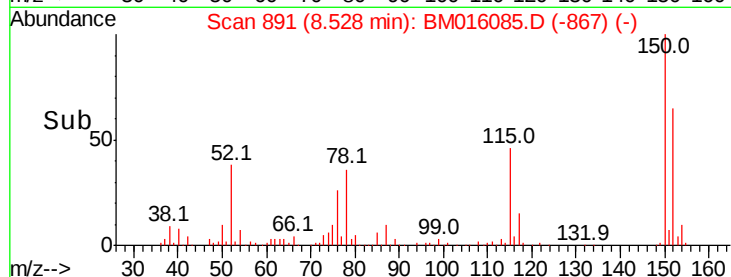
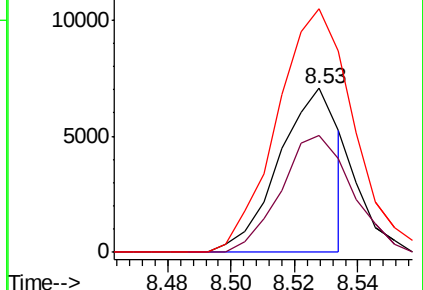
77 148.3 53.0 79.6#



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: BM016085.D

Acq: 26 Jul 2018 23:01

Tgt Ion: 136 Resp: 227338

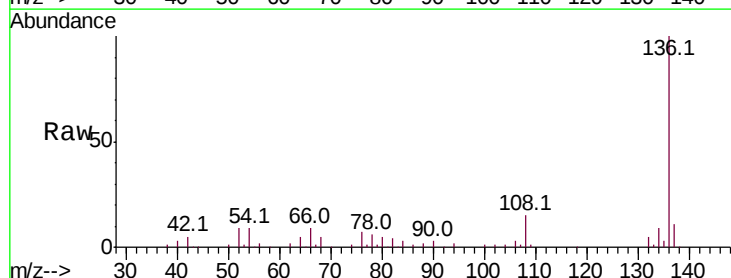
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 4.6 6.8#

68 4.9 3.7 5.5

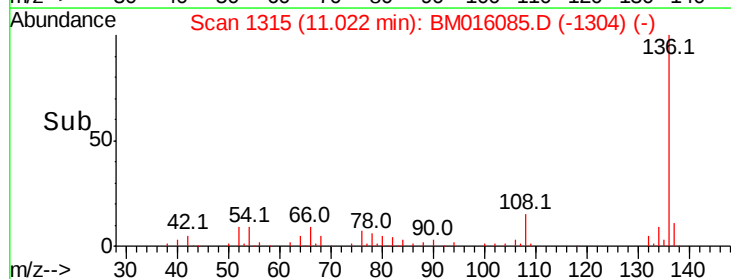
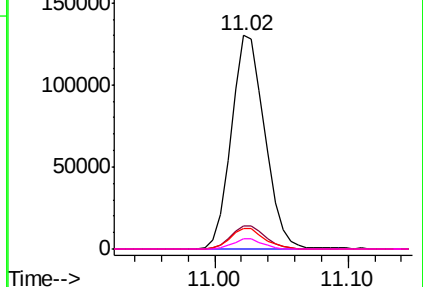


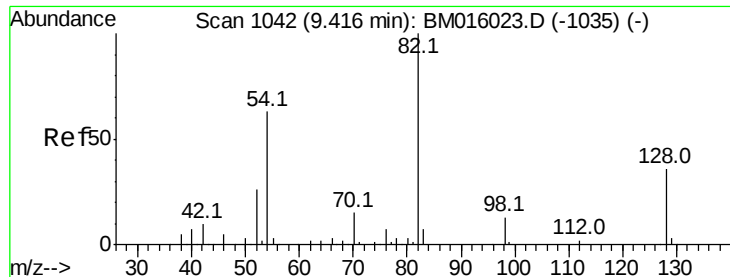
Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

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) (-)

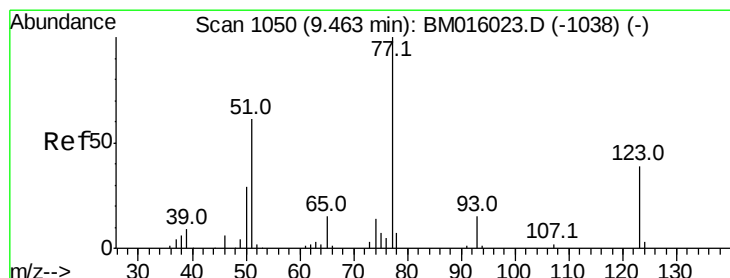
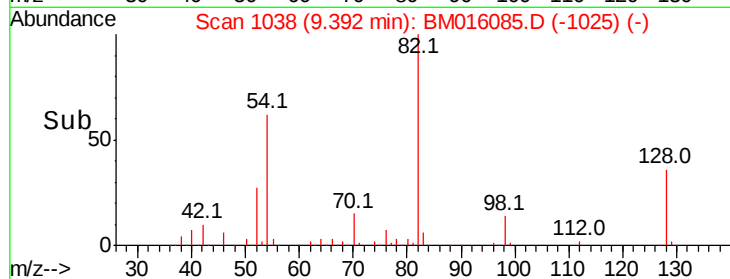
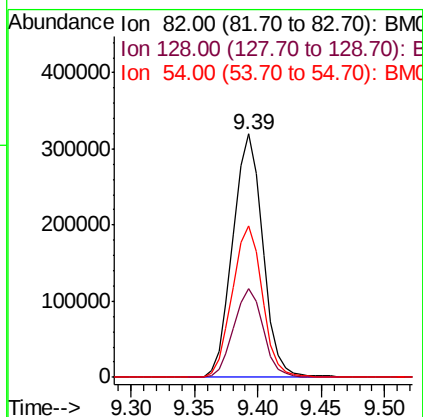
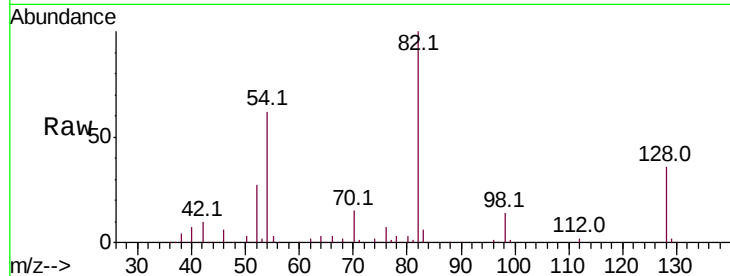




#23
Nitrobenzene-d5
Concen: N.D. na
RT: 9.39 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

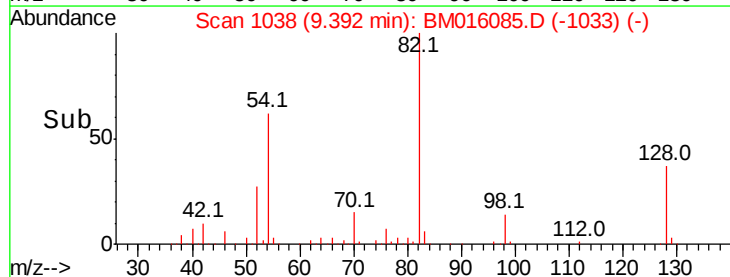
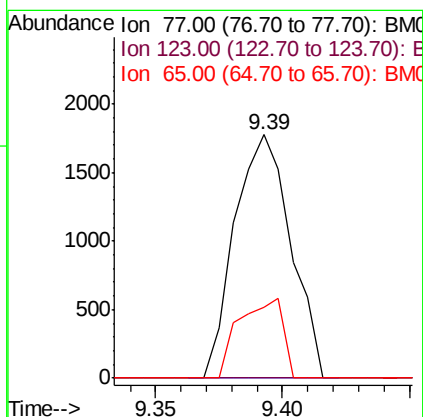
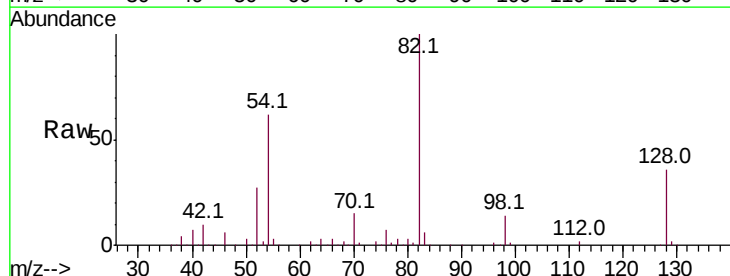
Instrument :
BNA_M
ClientSampleId :

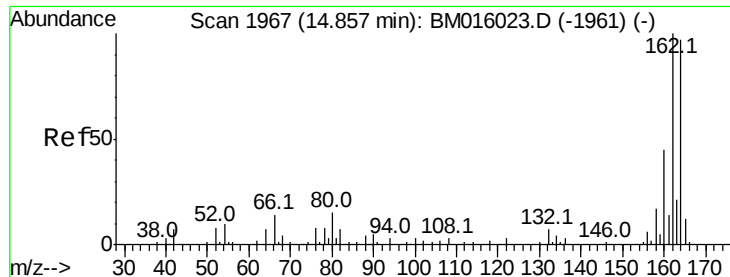
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	32.8	49.2
54	62.0	40.6	60.8#



#24
Nitrobenzene
Concen: 0.557 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	29.2	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: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampleId :

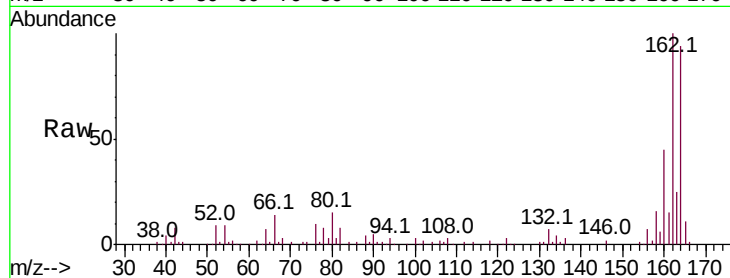
Tot Ion:164 Resp: 132503

Ion Ratio Lower Upper

164 100

162 106.9 82.4 123.6

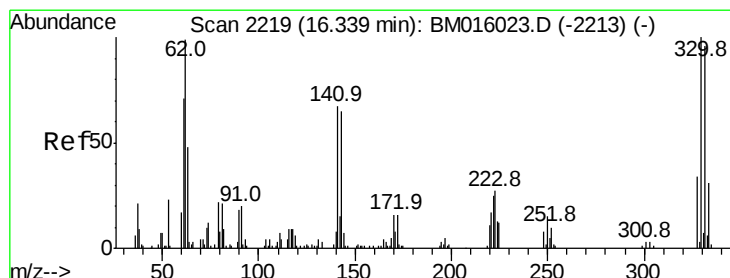
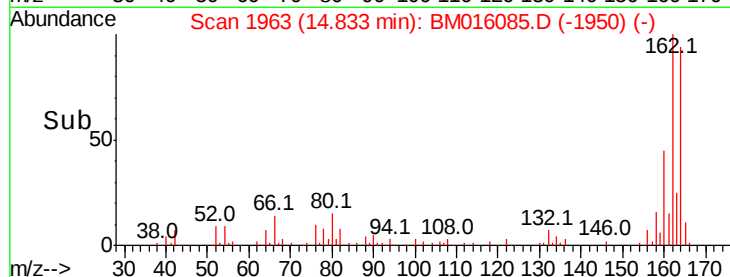
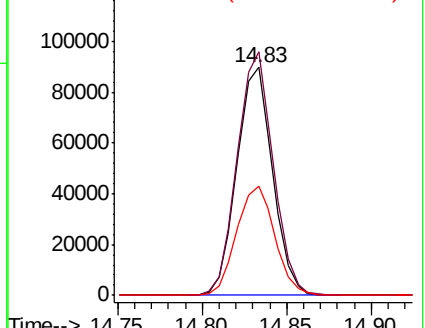
160 48.2 35.8 53.6



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: BM016085.D

Acq: 26 Jul 2018 23:01

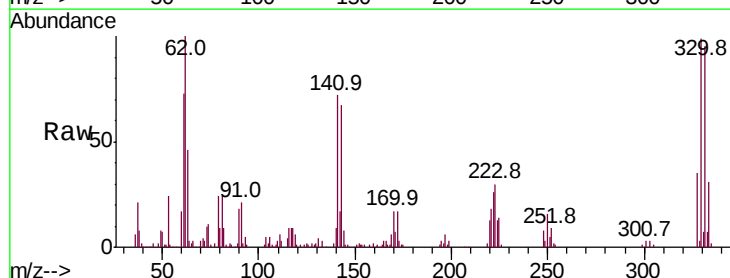
Tgt Ion:330 Resp: 170655

Ion Ratio Lower Upper

330 100

332 95.7 0.0 0.0#

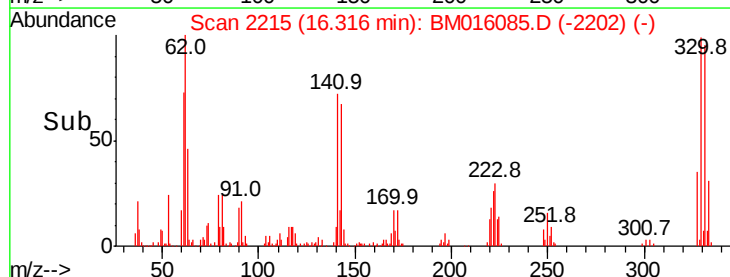
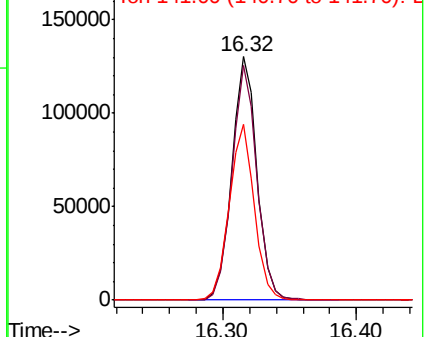
141 72.8 0.0 0.0#

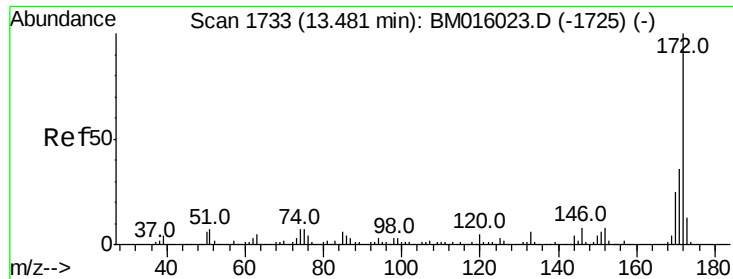


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



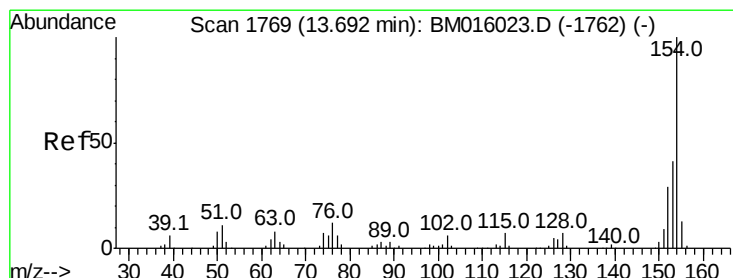
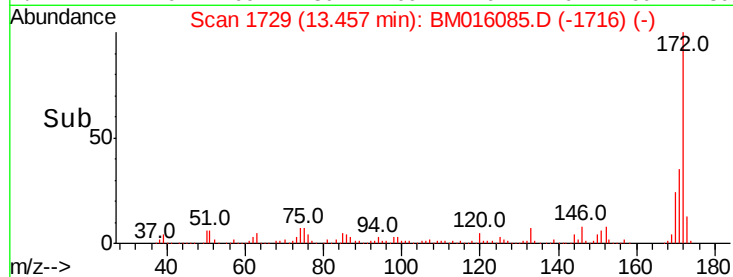
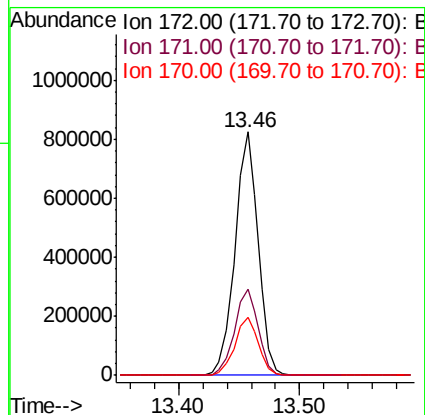
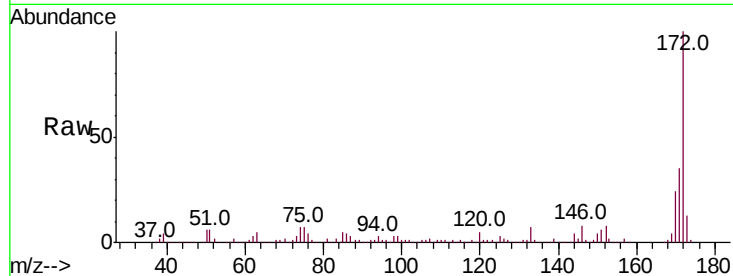


#44
 2-Fluorobiphenyl
 Concen: N.D. na
 RT: 13.46 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BM016085.D
 Acq: 26 Jul 2018 23:01

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 1098451

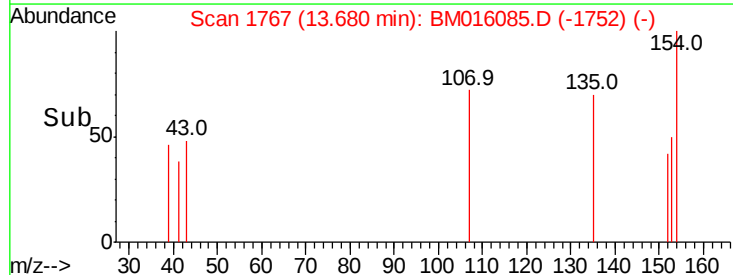
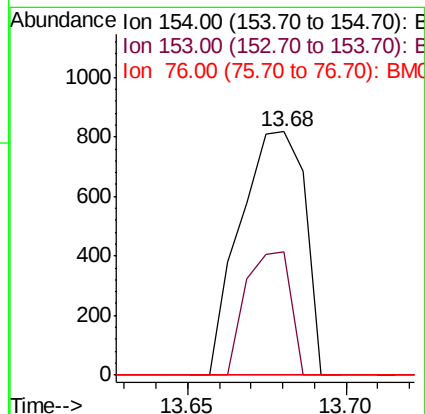
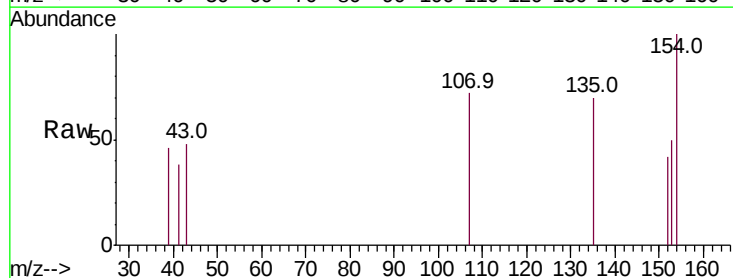
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	24.0	18.8	28.2

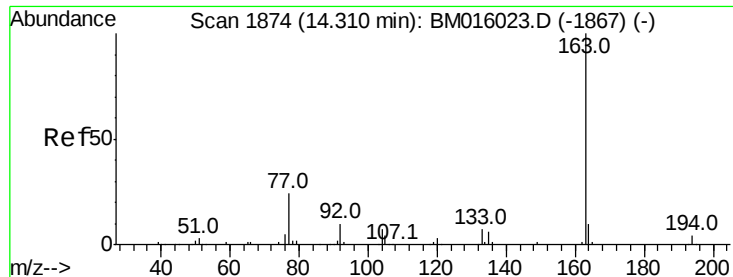


#45
 1,1'-Biphenyl
 Concen: 0.097 ng
 RT: 13.68 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BM016085.D
 Acq: 26 Jul 2018 23:01

Tgt Ion:154 Resp: 1154

Ion	Ratio	Lower	Upper
154	100		
153	50.5	20.7	60.7
76	0.0	0.0	30.9





#49

Dimethylphthalate

Concen: 10.037 ng

RT: 14.28 min Scan# 1869

Delta R.T. -0.03 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

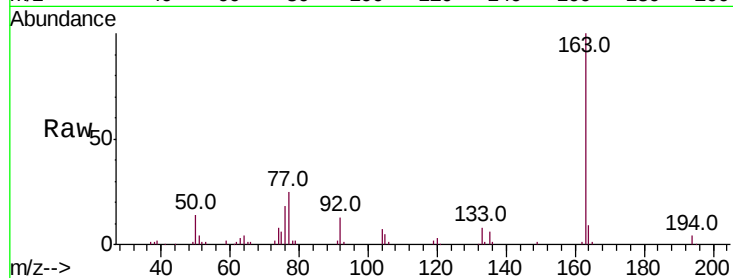
Tot Ion:163 Resp: 116386

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

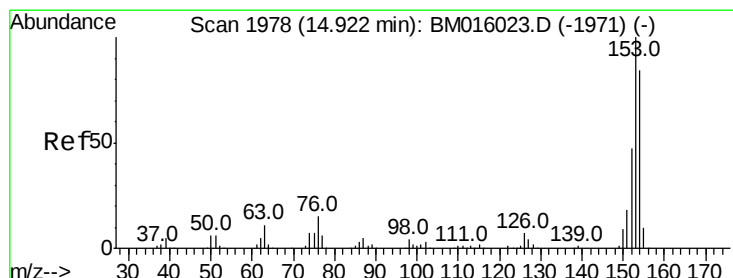
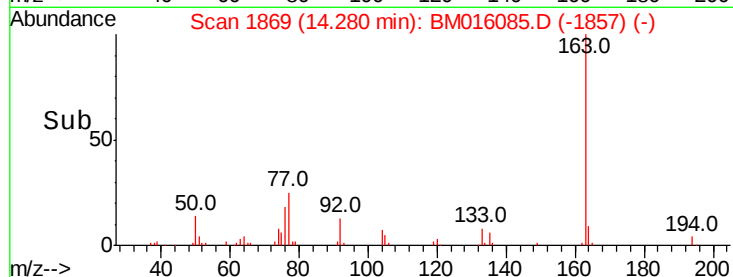
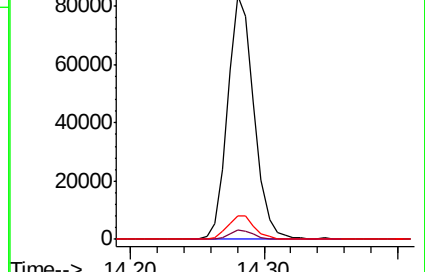
164 9.4 8.2 12.2



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



#51

Acenaphthene

Concen: 0.034 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.09 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

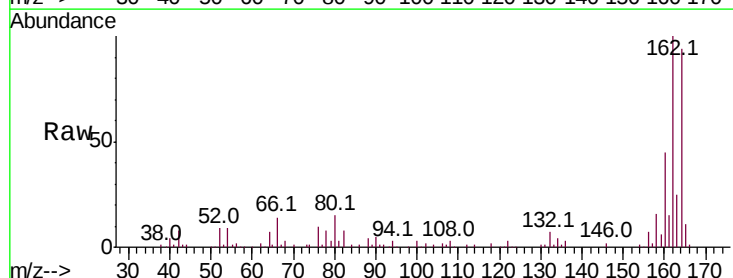
Tgt Ion:154 Resp: 288

Ion Ratio Lower Upper

154 100

153 0.0 90.0 135.0#

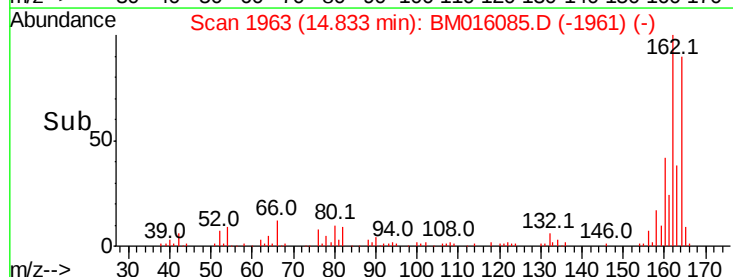
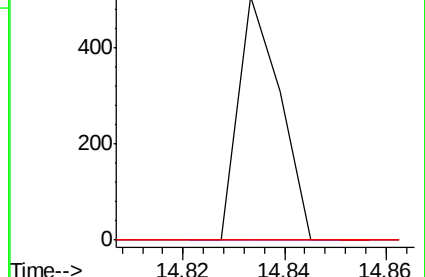
152 0.0 42.6 63.8#

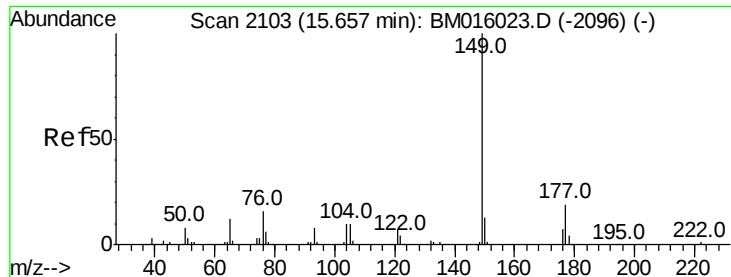


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

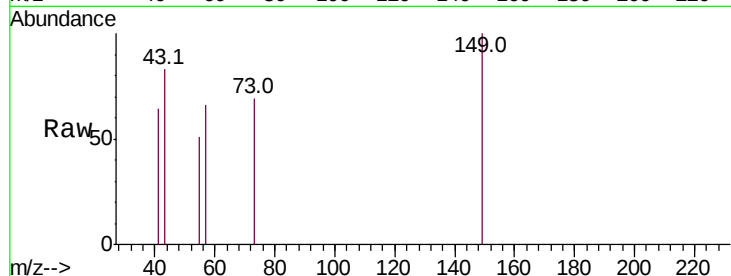




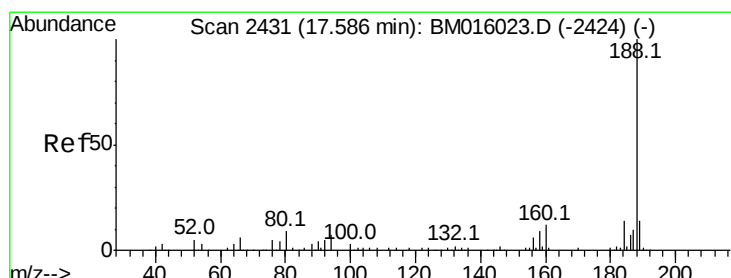
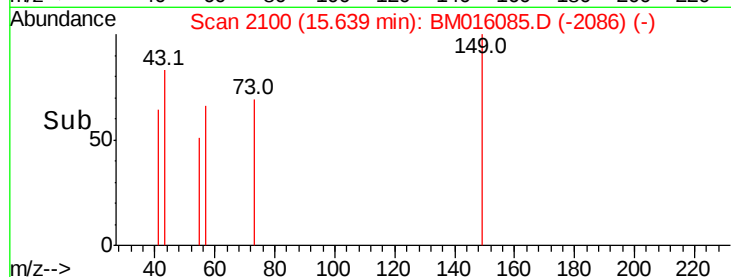
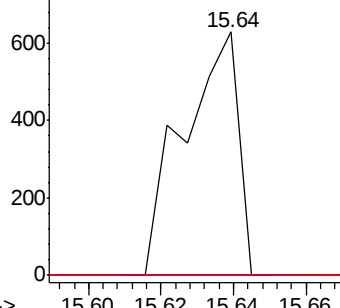
#59
Diethylphthalate
Concen: 0.053 ng
RT: 15.64 min Scan# 2100
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 662
Ion Ratio Lower Upper
149 100
177 0.0 18.3 27.5#
150 0.0 9.8 14.8#

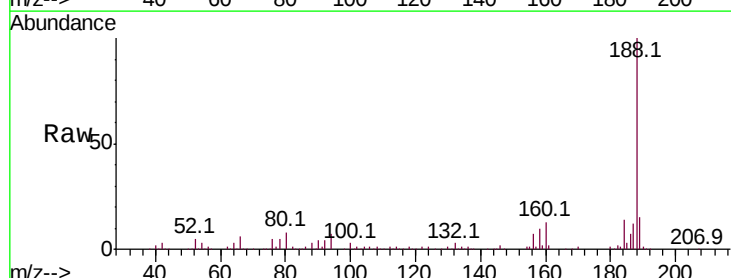


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

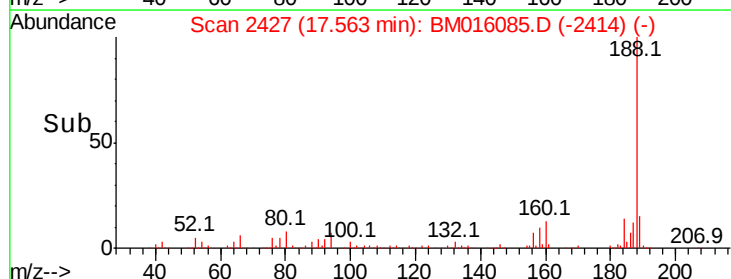
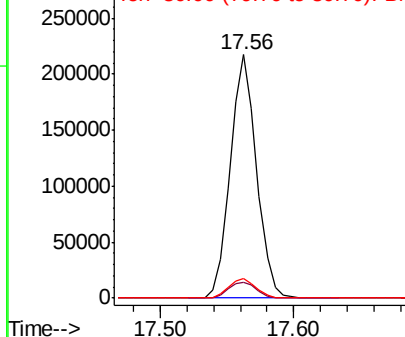


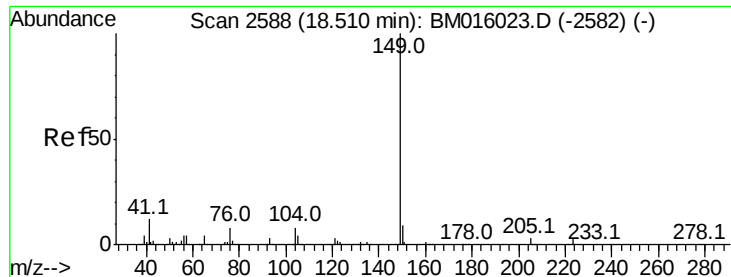
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.56 min Scan# 2427
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Tgt Ion:188 Resp: 297883
Ion Ratio Lower Upper
188 100
94 6.6 8.7 13.1#
80 8.2 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

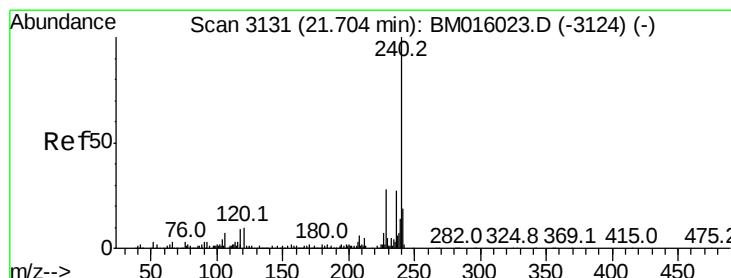
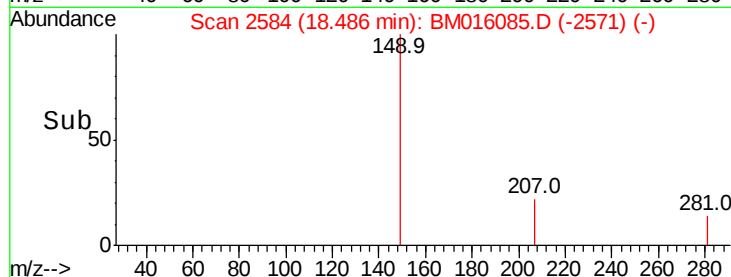
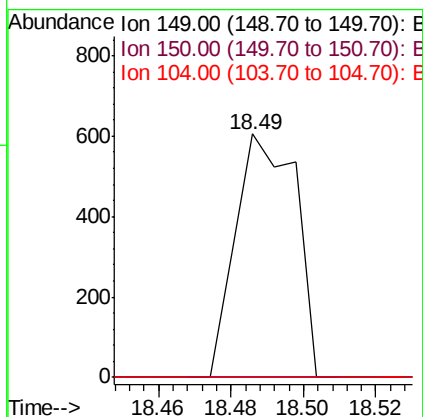
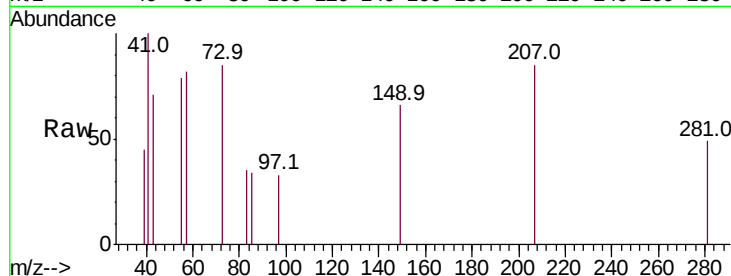




#73
Di-n-butylphthalate
Concen: 0.033 ng
RT: 18.49 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

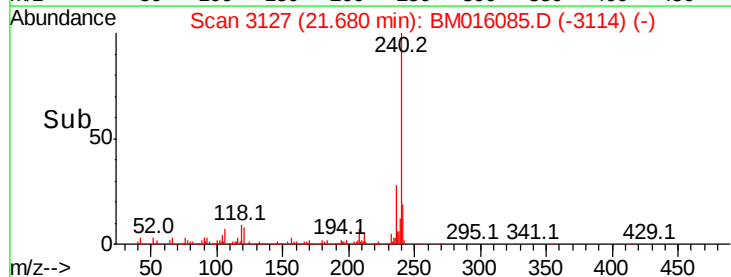
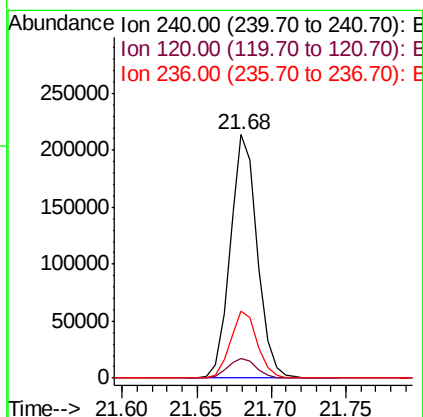
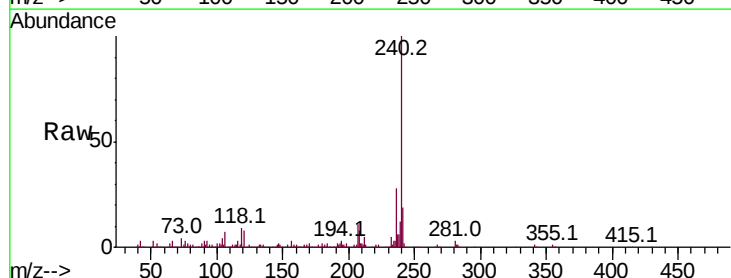
Instrument :
BNA_M
ClientSampleId :

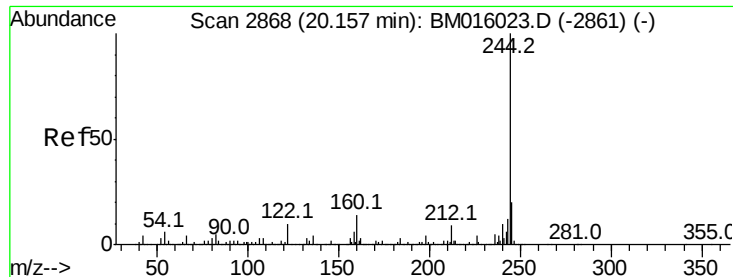
Tot Ion:149 Resp: 698
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 3.7 5.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Tgt Ion:240 Resp: 270964
Ion Ratio Lower Upper
240 100
120 8.0 8.2 12.2#
236 27.7 20.0 30.0





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.14 min Scan# 2865

Delta R.T. -0.02 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

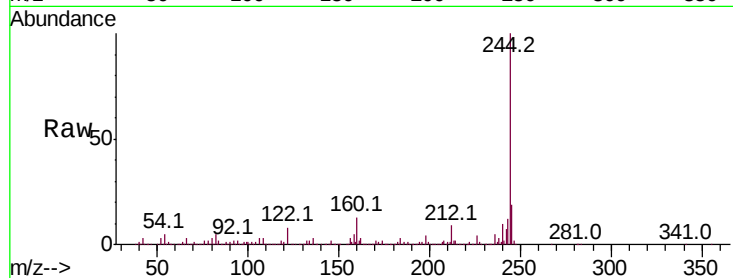
Tot Ion:244 Resp: 1772916

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

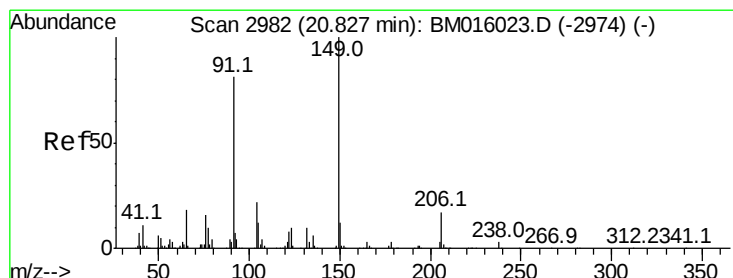
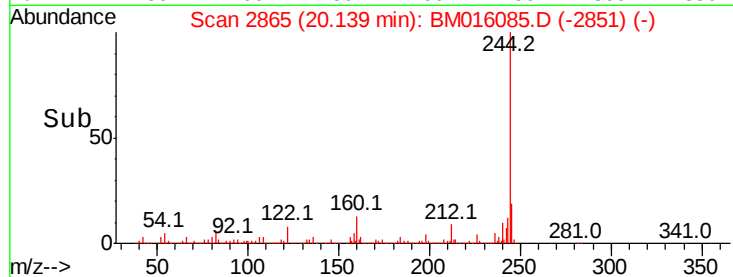
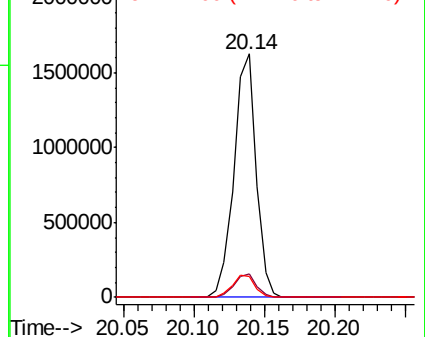
122 8.4 6.2 9.4



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: 0.031 ng

RT: 20.82 min Scan# 2981

Delta R.T. -0.01 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

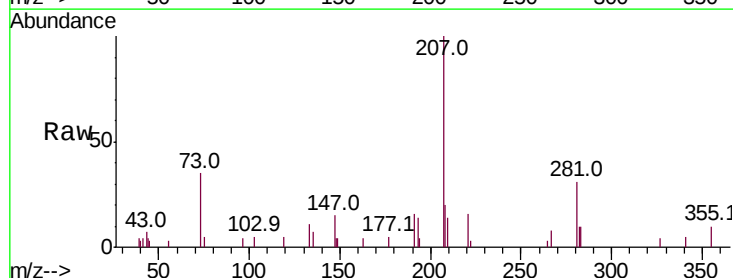
Tgt Ion:149 Resp: 253

Ion Ratio Lower Upper

149 100

91 0.0 50.1 75.1#

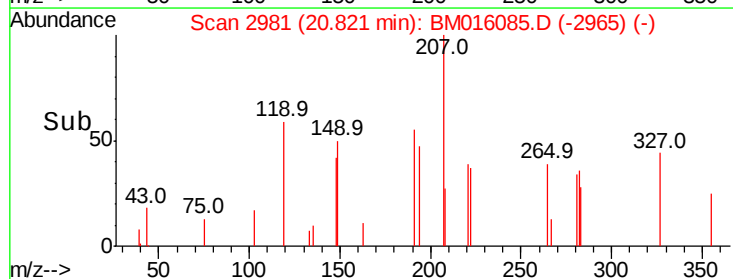
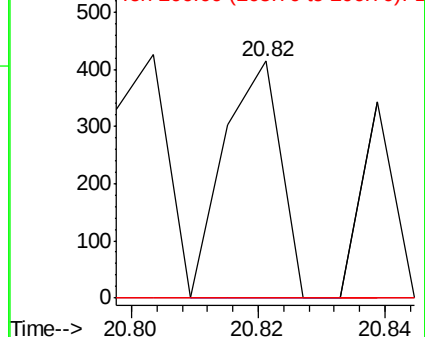
206 0.0 16.2 24.2#

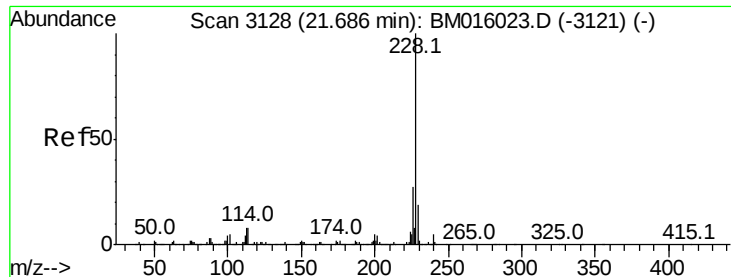


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

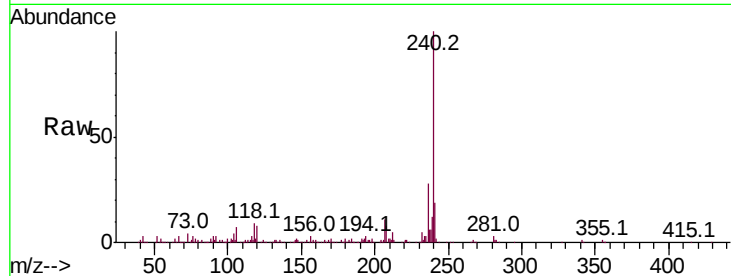




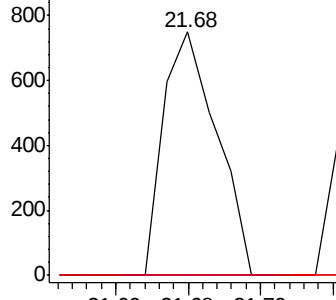
#80
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.68 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Instrument :
BNA_M
ClientSampleId :

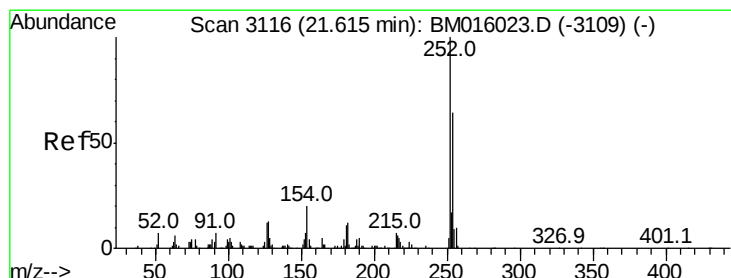
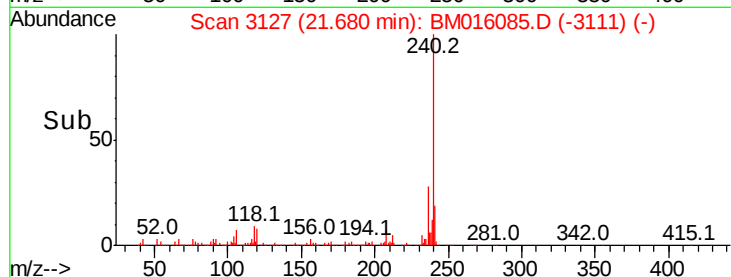
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.7	32.5#
229	0.0	16.0	24.0#



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

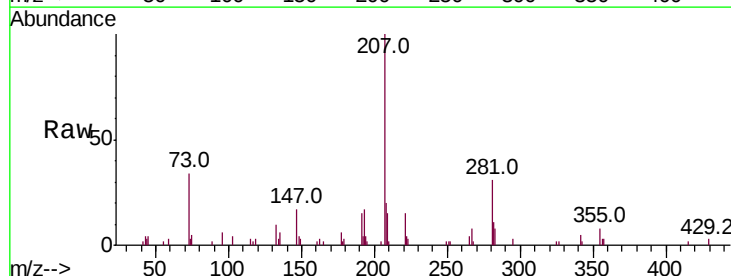


Time-->

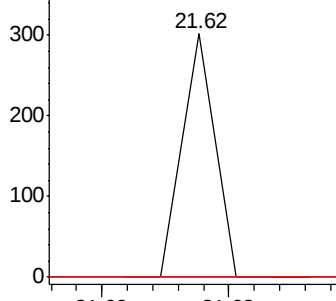


#81
3,3'-Dichlorobenzidine
Concen: 0.016 ng
RT: 21.62 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

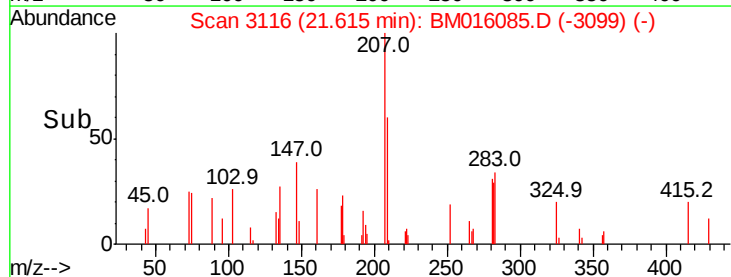
Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.9	77.9#
126	0.0	9.8	14.8#

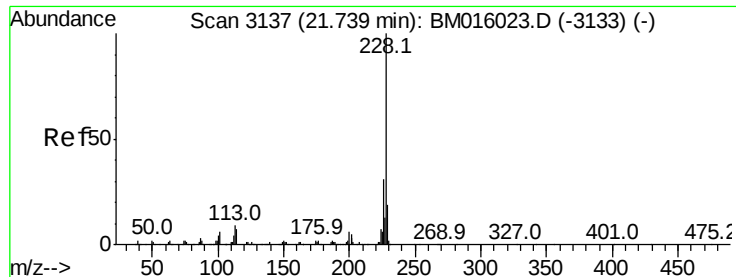


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Time-->





#82

Chrysene

Concen: 0.023 ng

RT: 21.72 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

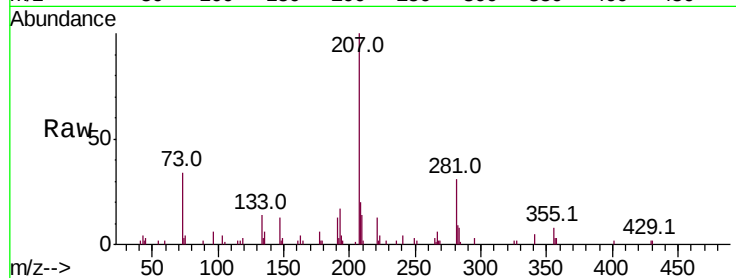
Tot Ion:228 Resp: 365

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

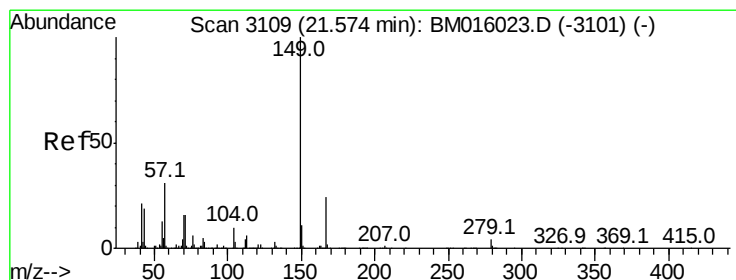
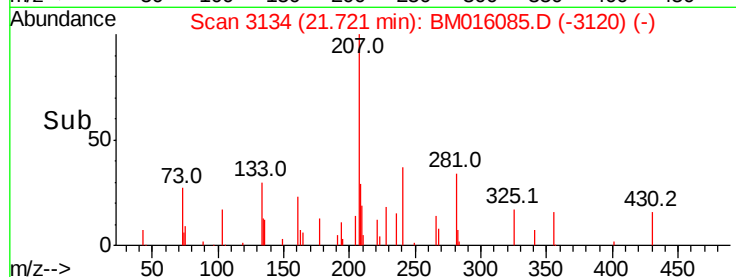
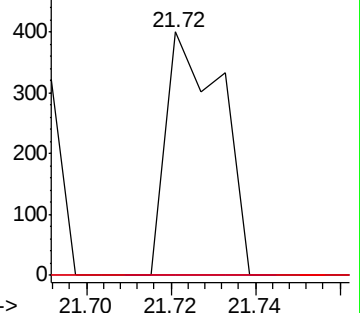
229 0.0 15.5 23.3#



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: 0.112 ng

RT: 21.56 min Scan# 3106

Delta R.T. -0.02 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

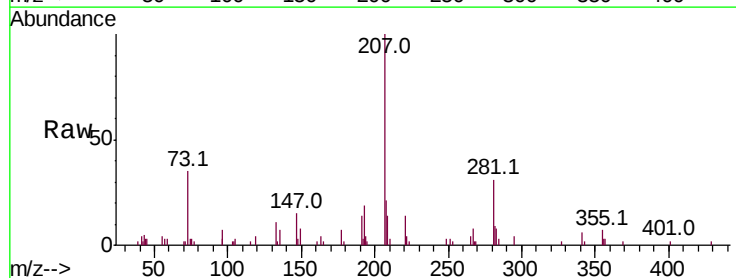
Tgt Ion:149 Resp: 1334

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

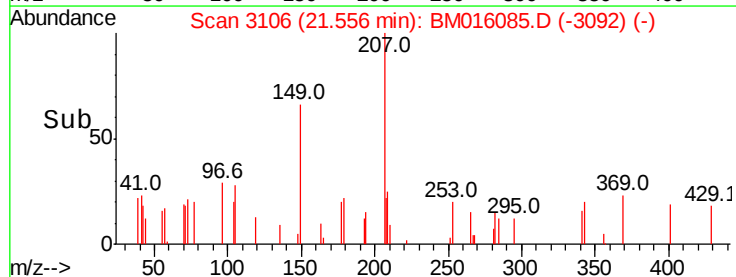
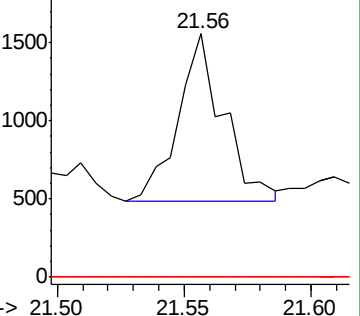
279 0.0 3.4 5.0#

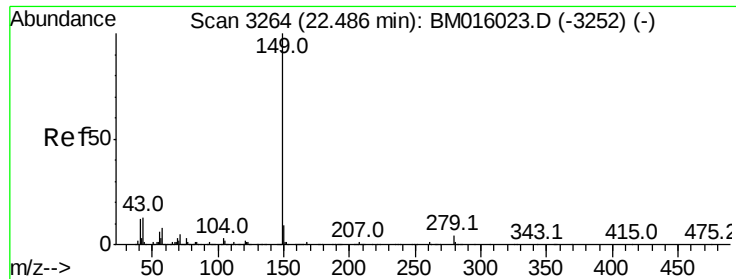


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

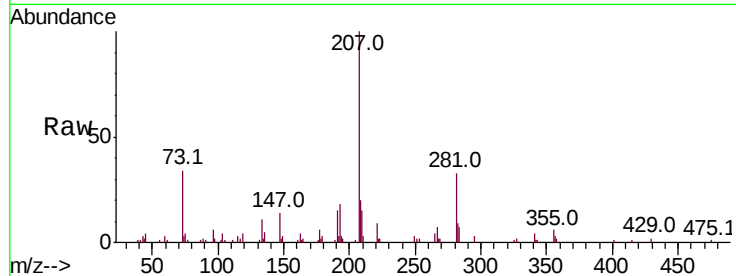




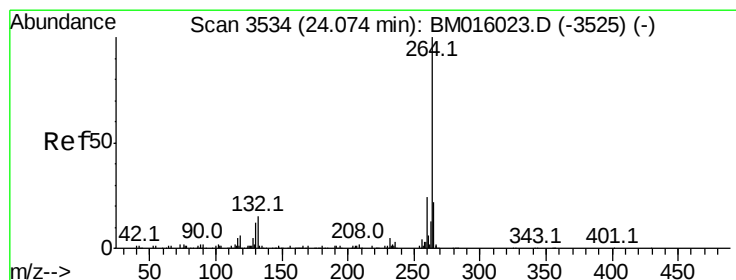
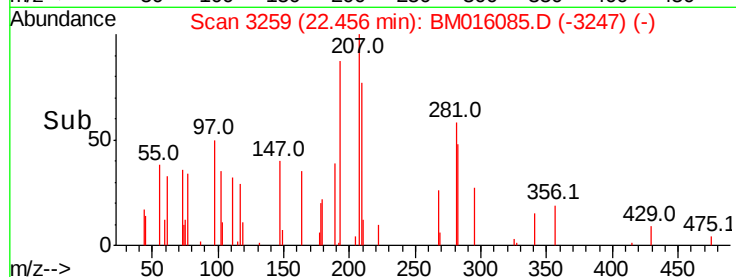
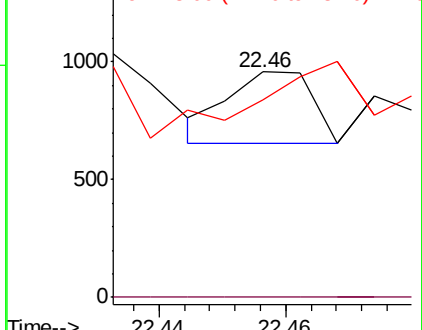
#84
Di-n-octyl phthalate
Concen: 0.014 ng
RT: 22.46 min Scan# 3259
Delta R.T. -0.03 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 280
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 81.4 7.3 10.9#

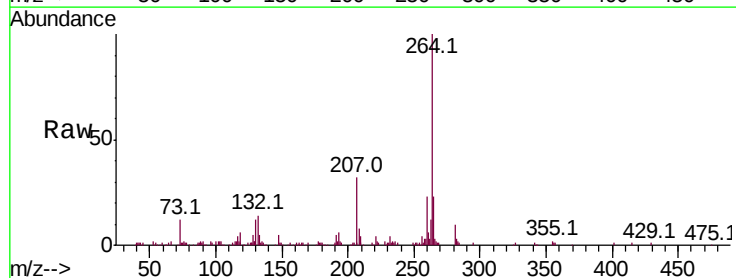


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM0

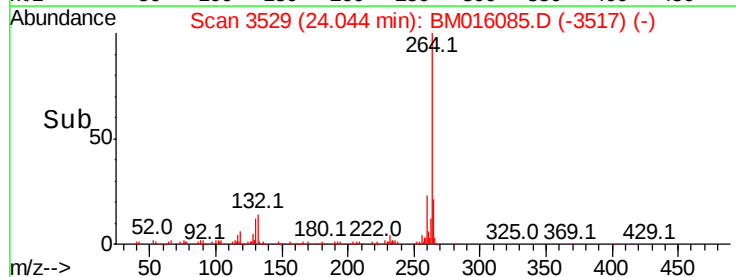
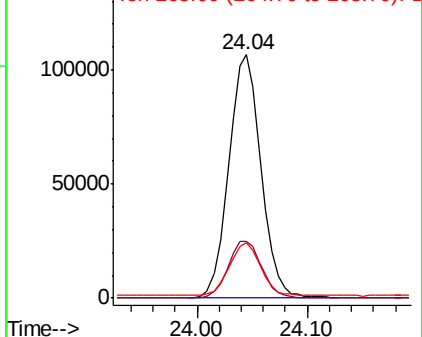


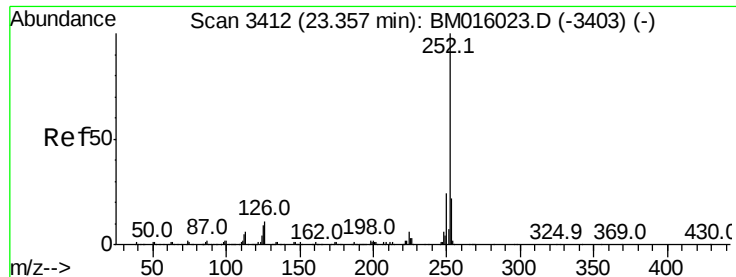
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.04 min Scan# 3529
Delta R.T. -0.03 min
Lab File: BM016085.D
Acq: 26 Jul 2018 23:01

Tgt Ion:264 Resp: 217967
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 22.6 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: 0.055 ng

RT: 23.35 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampled :

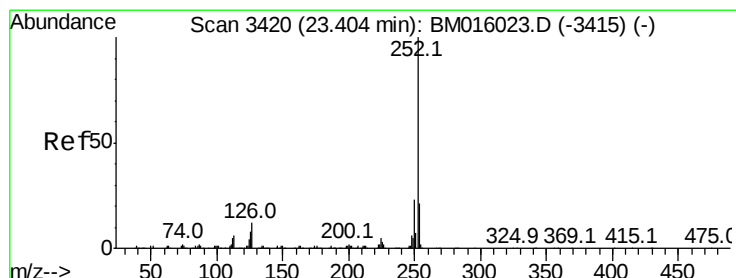
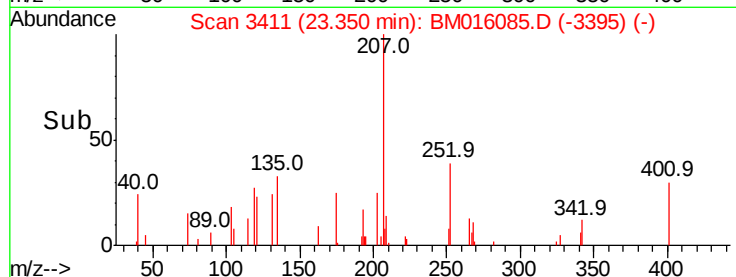
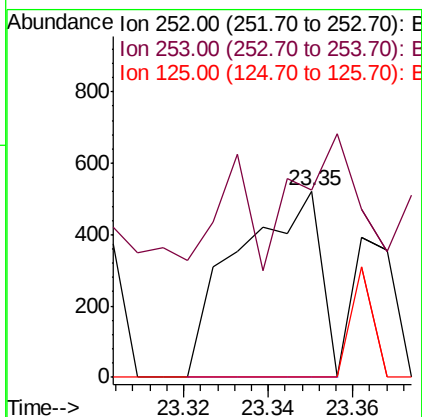
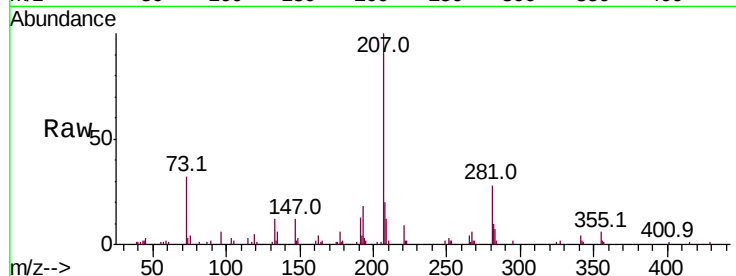
Tot Ion:252 Resp: 708

Ion Ratio Lower Upper

252 100

253 100.6 18.0 27.0#

125 0.0 9.9 14.9#



#88

Benzo(k)fluoranthene

Concen: 0.088 ng

RT: 23.39 min Scan# 3418

Delta R.T. -0.01 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

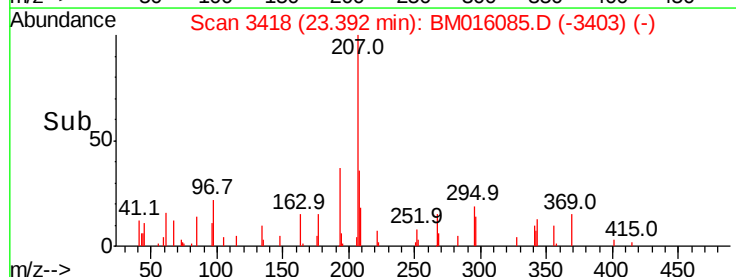
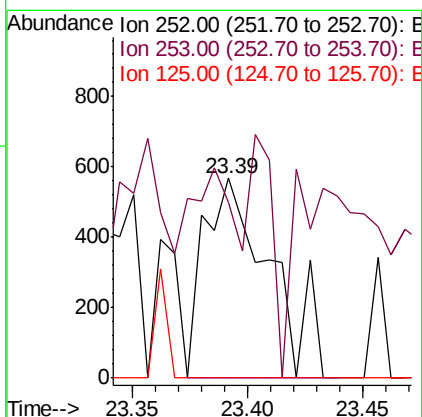
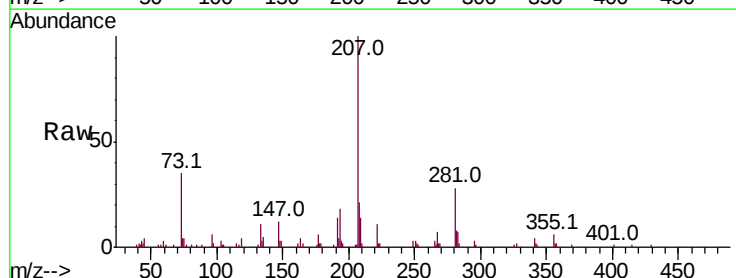
Tgt Ion:252 Resp: 1139

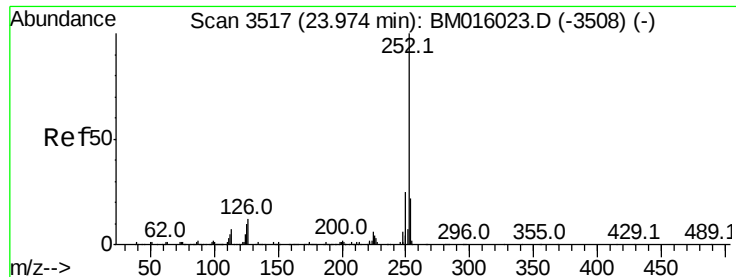
Ion Ratio Lower Upper

252 100

253 88.0 17.2 25.8#

125 0.0 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 0.012 ng

RT: 23.94 min Scan# 3511

Delta R.T. -0.04 min

Lab File: BM016085.D

Acq: 26 Jul 2018 23:01

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 252 Resp: 152

Ion Ratio Lower Upper

252 100

253 114.6 17.6 26.4#

125 0.0 7.4 11.2#

