

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
 Data File : BM016270.D
 Acq On : 09 Aug 2018 05:15
 Operator : SJ/JU
 Sample : J4328-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-04

Quant Time: Aug 09 07:05:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 16:23:37 2018
 Response via : Initial Calibration

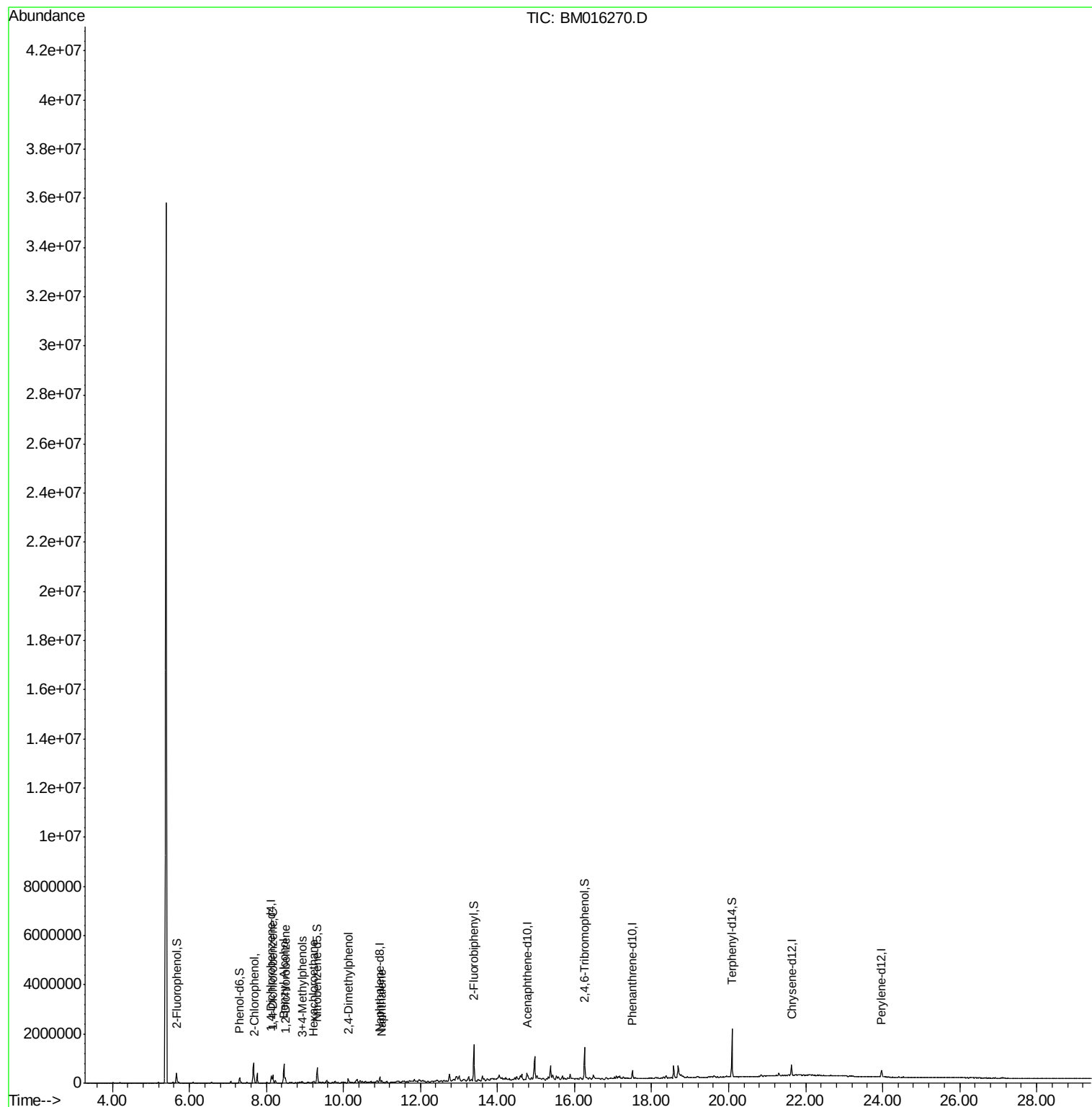
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	43332	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	152963	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	96130	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	157958	20.00	ng	0.00
75) Chrysene-d12	21.63	240	168813	20.00	ng	0.00
86) Perylene-d12	23.97	264	182102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	130437	50.00	ng	0.00
7) Phenol-d6	7.30	99	94307	27.68	ng	0.00
23) Nitrobenzene-d5	9.32	82	299048	90.93	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	128432	105.34	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	553518	70.06	ng	0.00
78) Terphenyl-d14	20.09	244	677602	84.02	ng	0.00
Target Compounds						
8) 2-Chlorophenol	7.69	128	16963	5.471	ng	84
13) 1,4-Dichlorobenzene	8.17	146	108799	29.561	ng	# 95
14) 1,2-Dichlorobenzene	8.49	146	30704	8.526	ng	# 93
15) Benzyl Alcohol	8.45	79	7208	2.657	ng	# 44
18) Hexachloroethane	9.23	117	6535	4.108	ng	# 1
20) 3+4-Methylphenols	8.92	107	19364	5.780	ng	# 82
27) 2,4-Dimethylphenol	10.13	122	33853	17.584	ng	# 75
31) Naphthalene	10.99	128	36449	4.708	ng	# 92

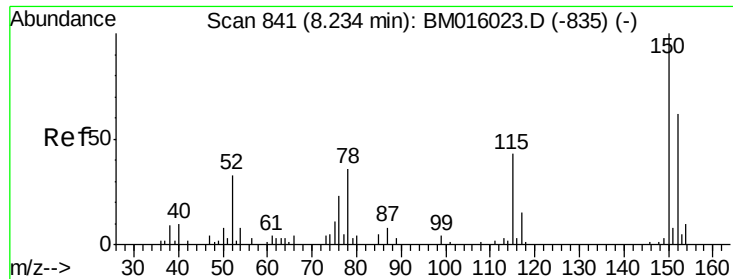
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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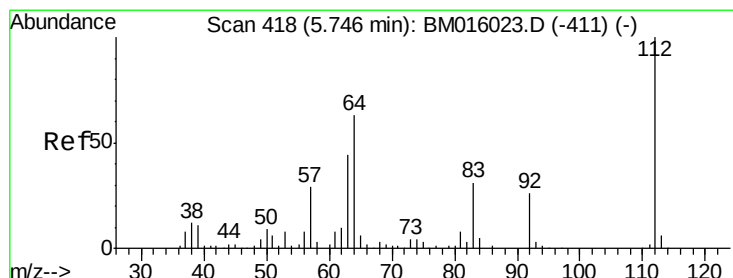
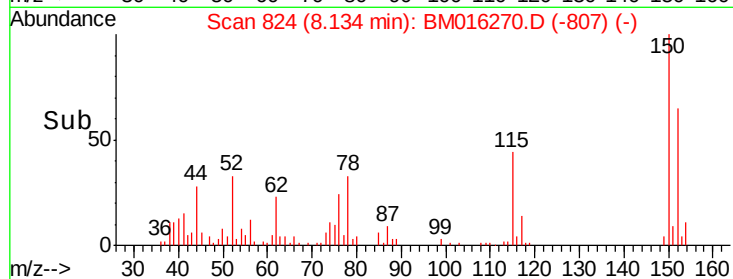
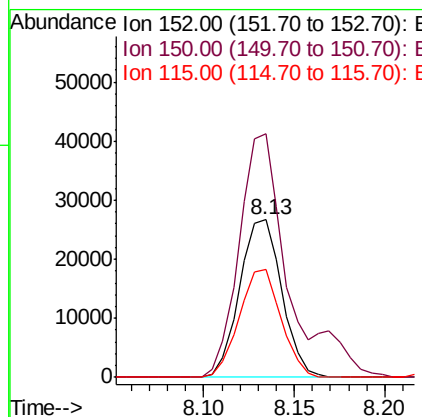
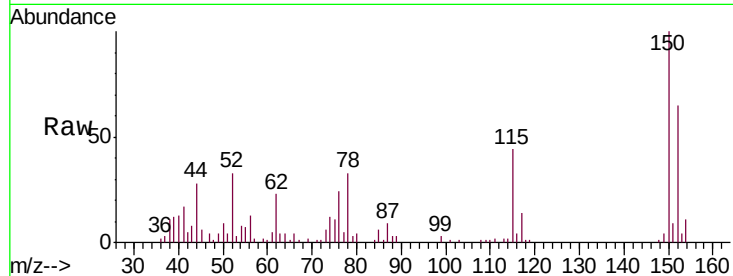


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM016270.D
Acq: 09 Aug 2018 05:15

Instrument :
BNA_M
ClientSampled :
MW-04

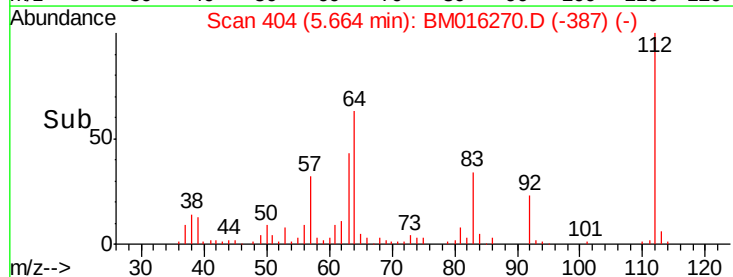
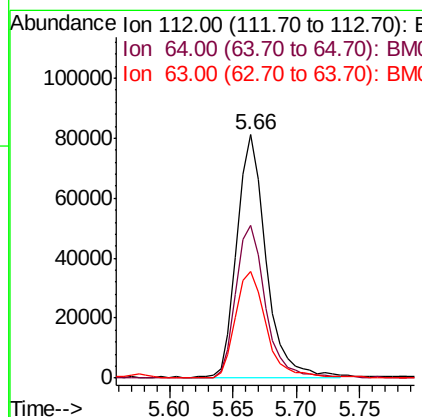
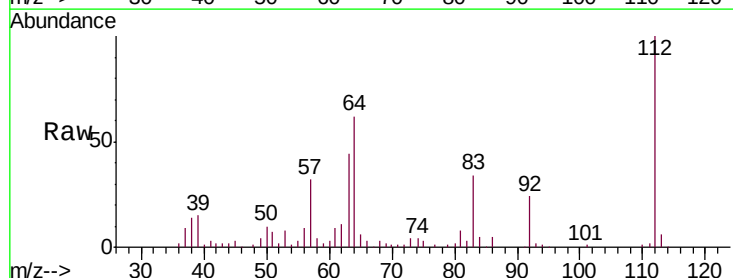
Tgt Ion:152 Resp: 43332
Ion Ratio Lower Upper
152 100
150 154.4 119.5 179.3
115 68.5 43.0 64.4#

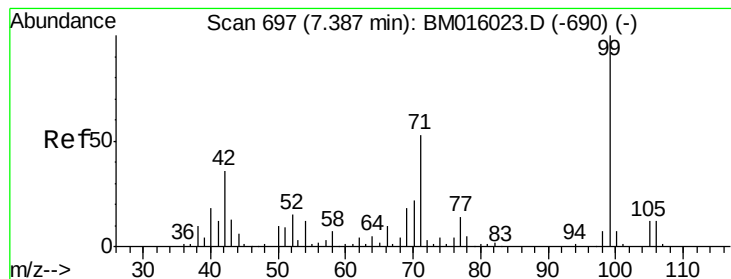


#5

2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016270.D
Acq: 09 Aug 2018 05:15

Tgt Ion:112 Resp: 130437
Ion Ratio Lower Upper
112 100
64 62.5 38.6 57.8#
63 43.6 19.3 28.9#





#7

Phenol-d6

Concen: Below ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

Instrument :

BNA_M

ClientSampled :

MW-04

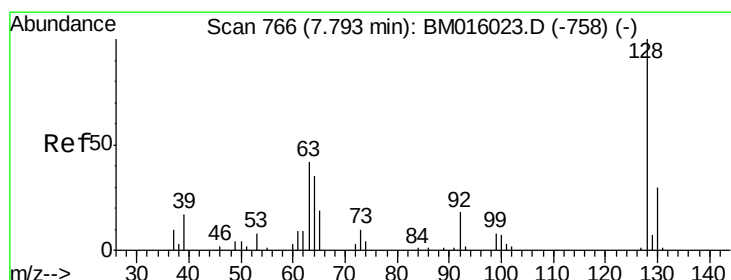
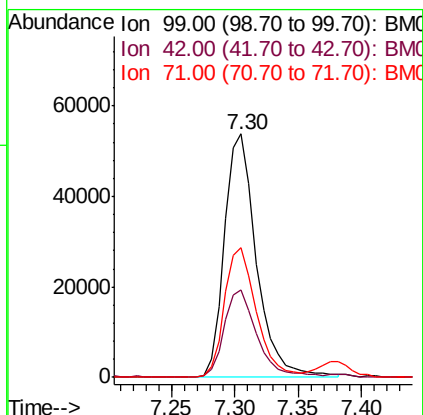
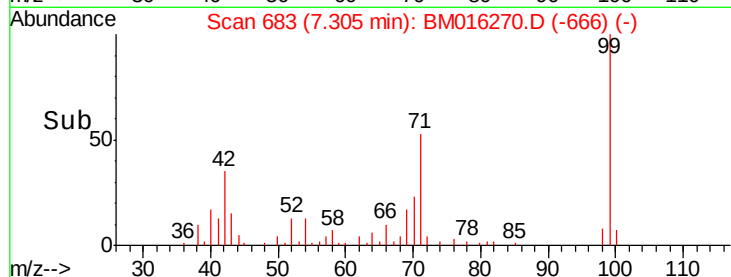
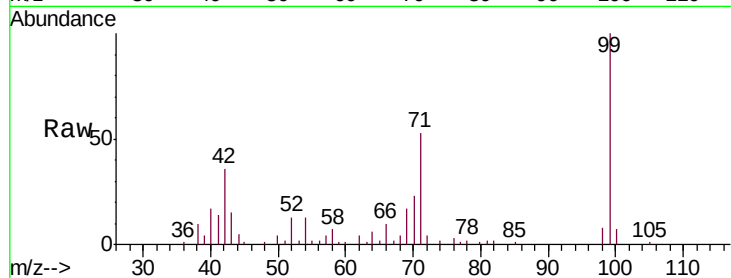
Tgt Ion: 99 Resp: 94307

Ion Ratio Lower Upper

99 100

42 35.8 11.0 16.4#

71 53.1 23.4 35.2#



#8

2-Chlorophenol

Concen: 5.471 ng

RT: 7.69 min Scan# 749

Delta R.T. -0.01 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

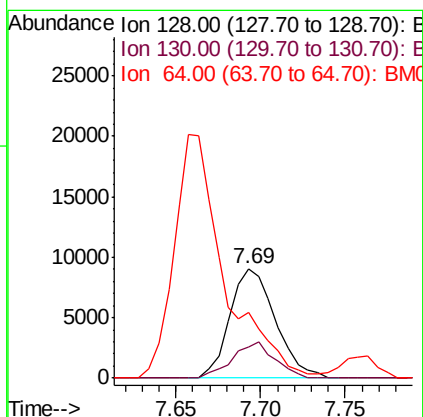
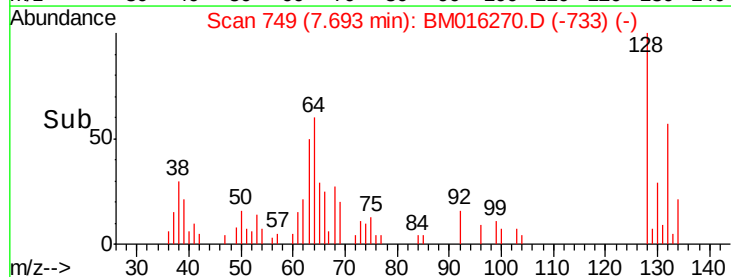
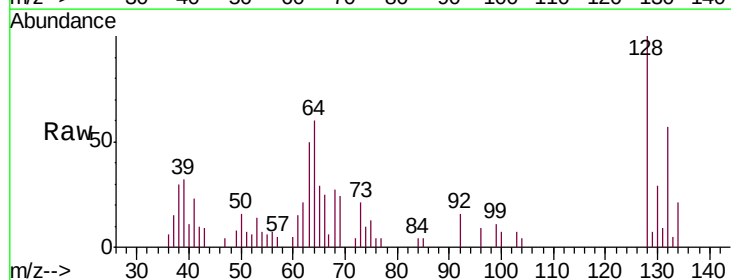
Tgt Ion: 128 Resp: 16963

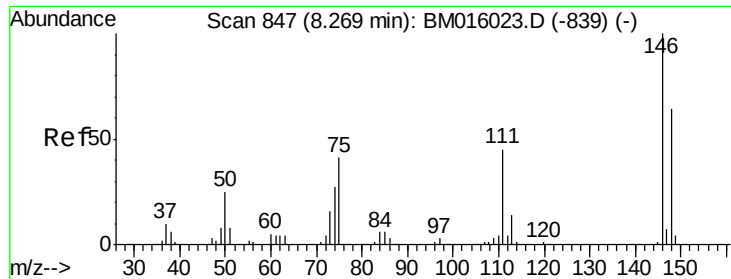
Ion Ratio Lower Upper

128 100

130 28.5 12.0 52.0

64 59.8 24.9 64.9

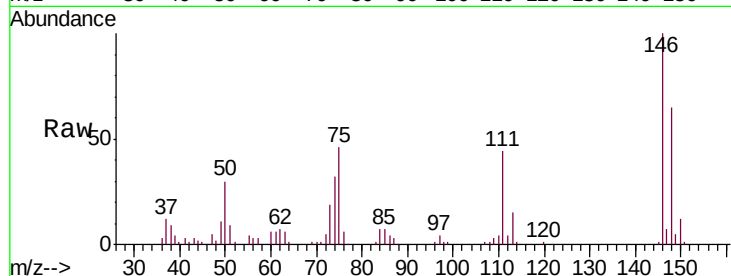




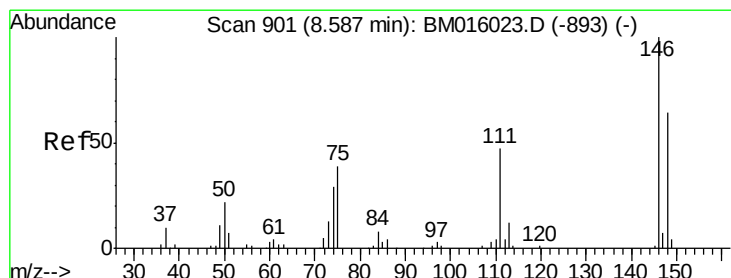
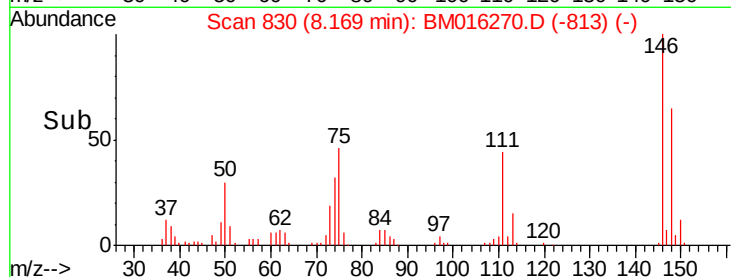
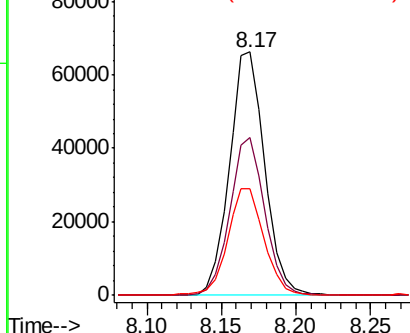
#13
 1,4-Dichlorobenzene
 Concen: 29.561 ng
 RT: 8.17 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

Instrument :
 BNA_M
 ClientSampleId :
 MW-04

Tgt Ion:146 Resp: 108799
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.9 77.9
 111 43.8 29.2 43.8#

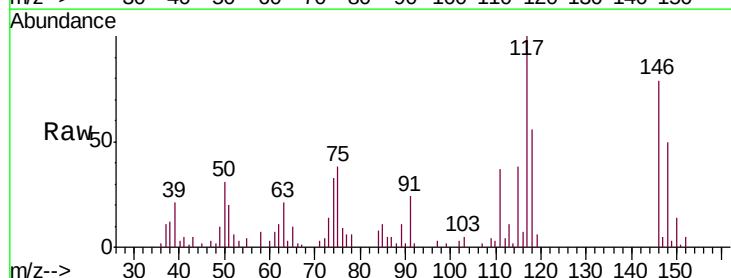


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

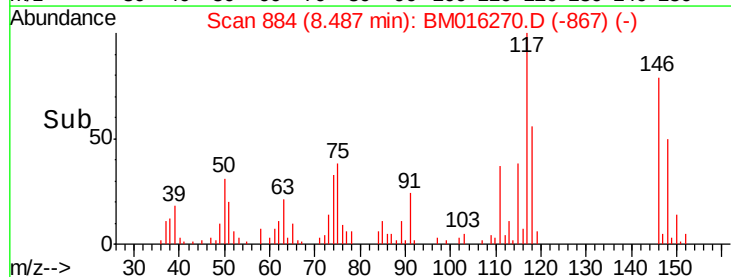
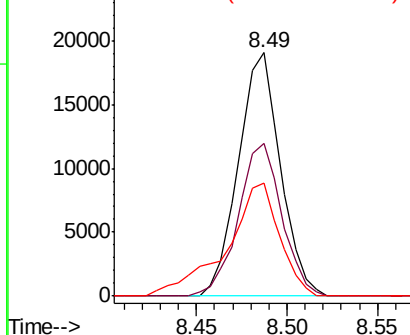


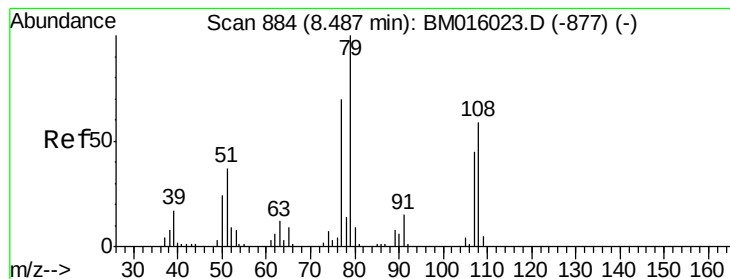
#14
 1,2-Dichlorobenzene
 Concen: 8.526 ng
 RT: 8.49 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

Tgt Ion:146 Resp: 30704
 Ion Ratio Lower Upper
 146 100
 148 62.7 52.3 78.5
 111 46.6 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.657 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.06 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

Instrument :

BNA_M

ClientSampleId :

MW-04

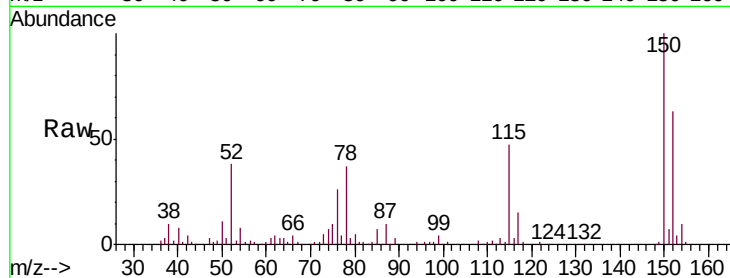
Tgt Ion: 79 Resp: 7208

Ion Ratio Lower Upper

79 100

108 78.3 65.0 97.4

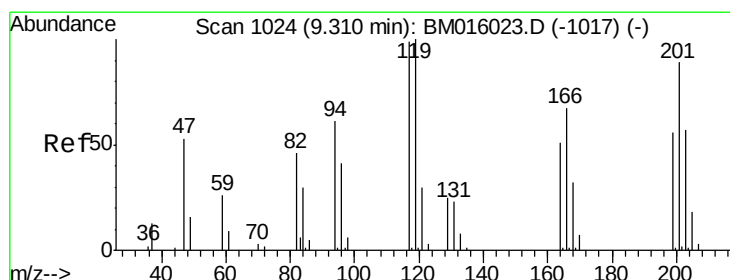
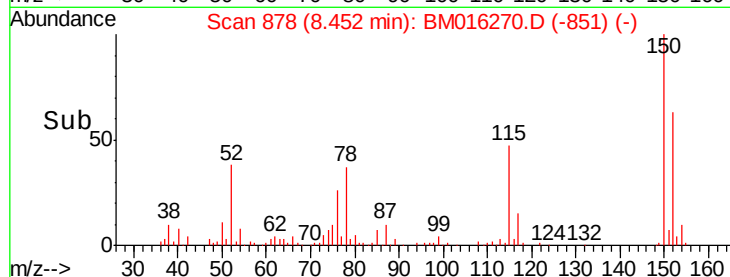
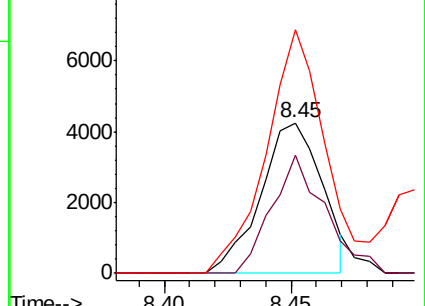
77 161.8 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016270.D (-851) (-)

Ion 108.00 (107.70 to 108.70): BM016270.D (-851) (-)

Ion 77.00 (76.70 to 77.70): BM016270.D (-851) (-)



#18

Hexachloroethane

Concen: 4.108 ng

RT: 9.23 min Scan# 1010

Delta R.T. 0.02 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

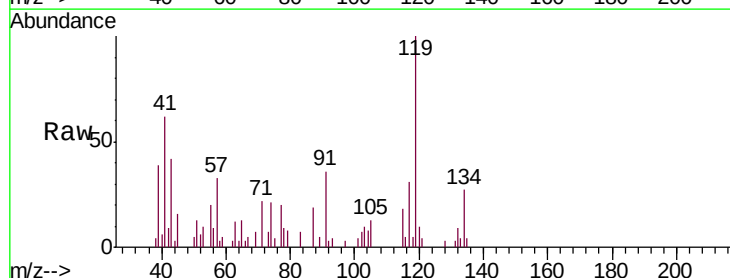
Tgt Ion: 117 Resp: 6535

Ion Ratio Lower Upper

117 100

119 318.8 79.2 118.8#

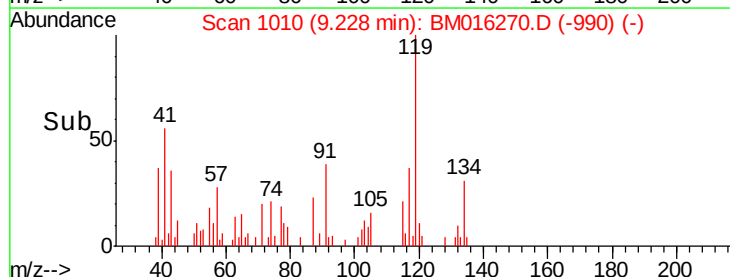
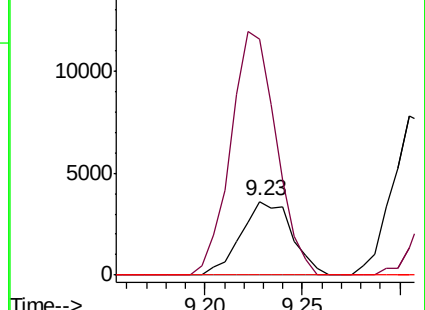
201 0.0 69.8 104.6#

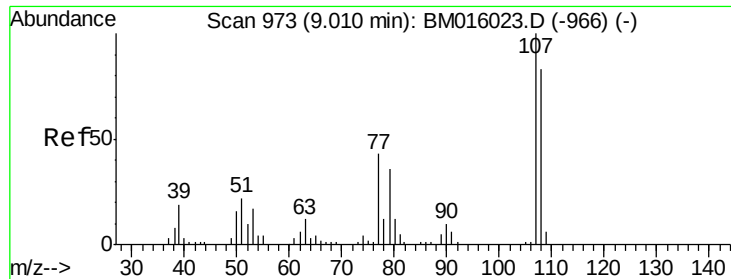


Abundance Ion 117.00 (116.70 to 117.70): BM016270.D (-990) (-)

Ion 119.00 (118.70 to 119.70): BM016270.D (-990) (-)

Ion 201.00 (200.70 to 201.70): BM016270.D (-990) (-)

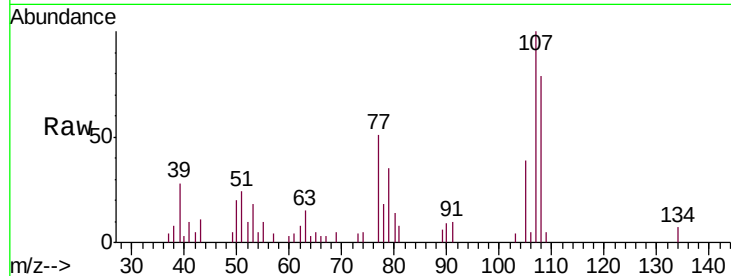




#20
3+4-Methylphenols
Concen: 5.780 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.00 min
Lab File: BM016270.D
Acq: 09 Aug 2018 05:15

Instrument :
BNA_M
ClientSampleId :
MW-04

Tgt Ion:	107	Resp:	19364
Ion	Ratio	Lower	Upper
107	100		
108	79.3	73.2	113.2
77	51.3	10.7	50.7#
79	34.7	9.6	49.6



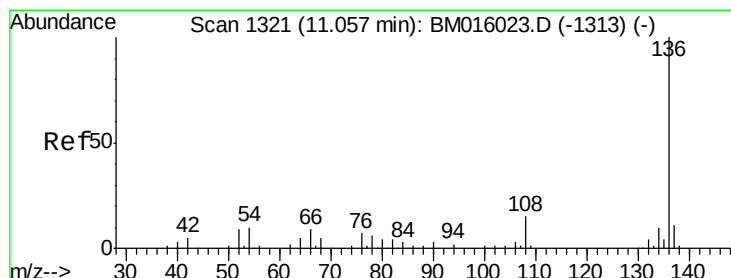
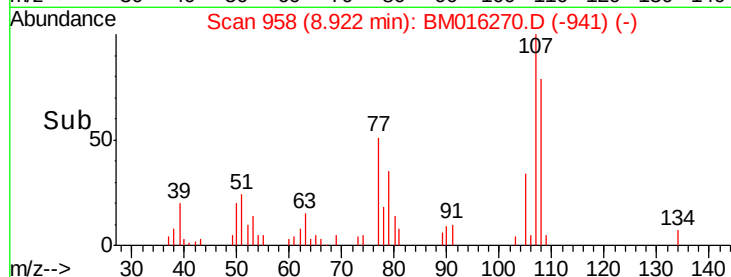
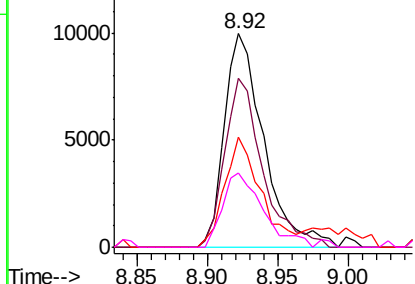
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

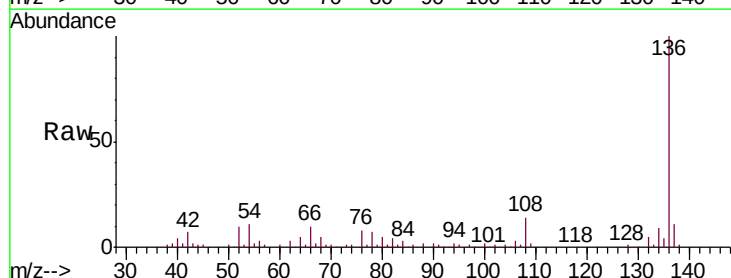
Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BM016270.D
Acq: 09 Aug 2018 05:15

Tgt Ion:	136	Resp:	152963
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.5	4.6	6.8#
68	5.1	3.7	5.5



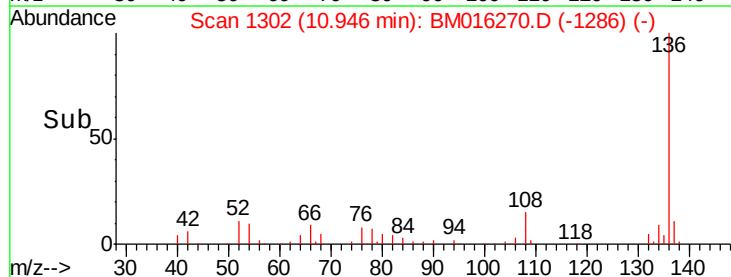
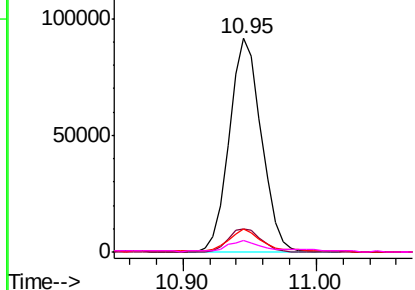
Abundance

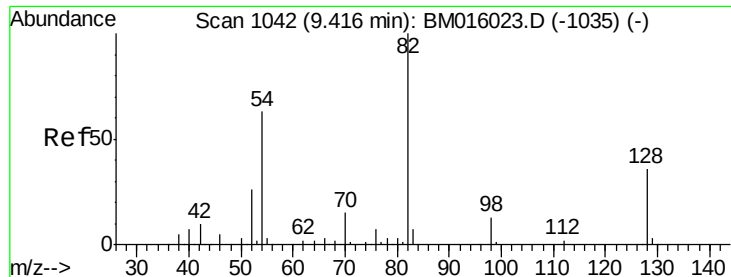
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

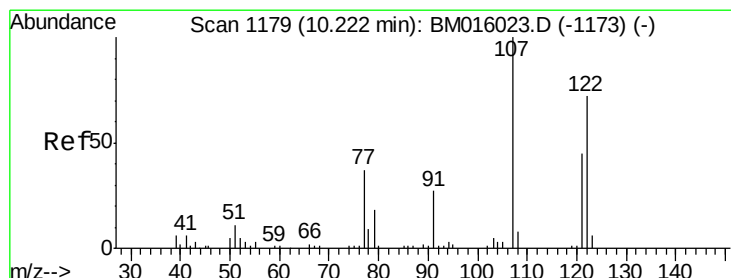
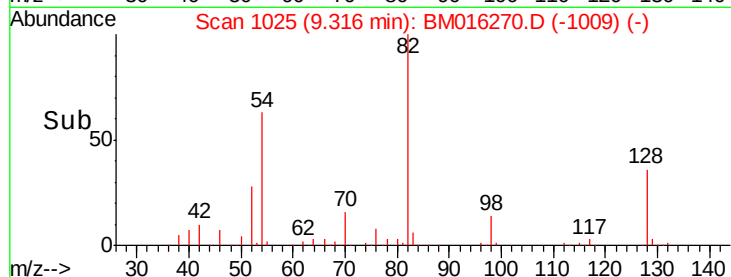
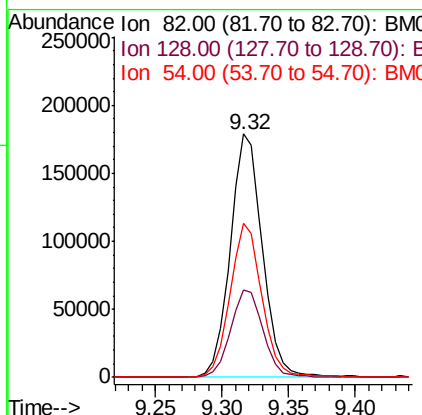
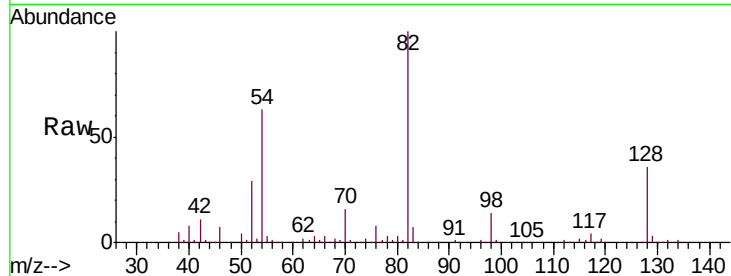




#23
 Nitrobenzene-d5
 Concen: Below ng
 RT: 9.32 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

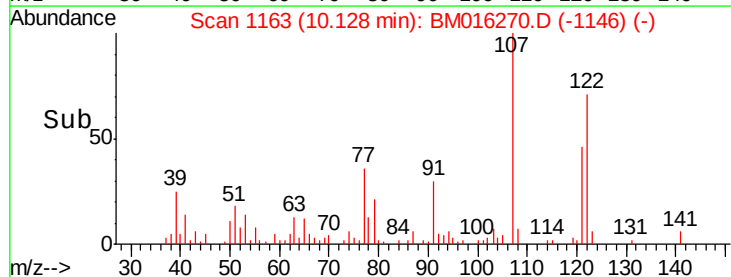
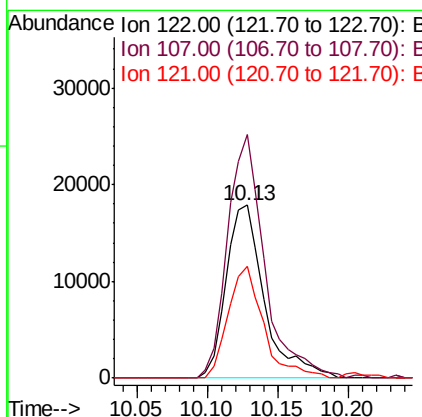
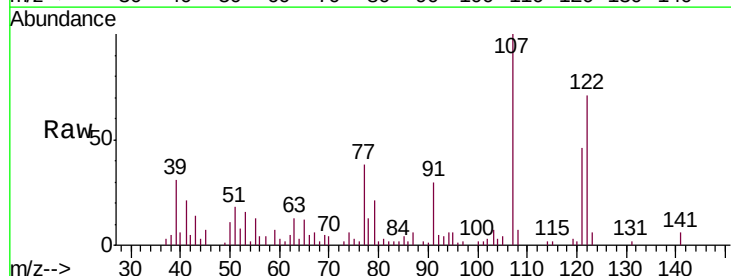
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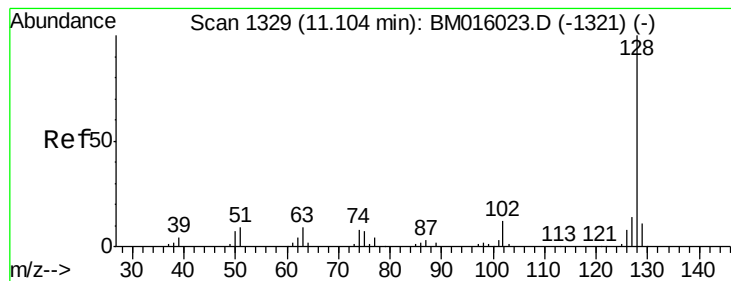
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	32.8	49.2
54	63.2	40.6	60.8#



#27
 2,4-Dimethylphenol
 Concen: 17.584 ng
 RT: 10.13 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

Tgt Ion	Ratio	Lower	Upper
122	100		
107	140.9	84.7	127.1#
121	64.8	46.6	69.8





#31

Naphthalene

Concen: 4.708 ng

RT: 10.99 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

Instrument :

BNA_M

ClientSampleId :

MW-04

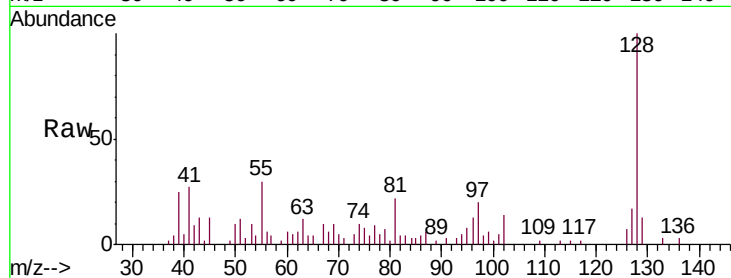
Tgt Ion:128 Resp: 36449

Ion Ratio Lower Upper

128 100

129 13.0 8.9 13.3

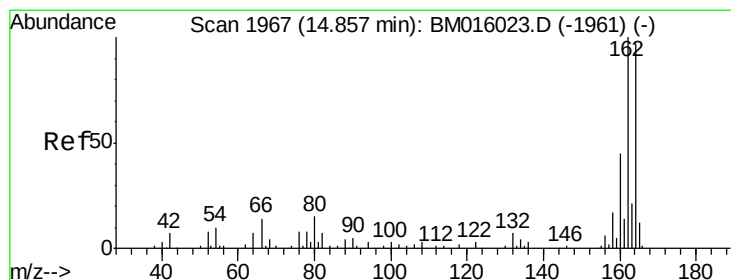
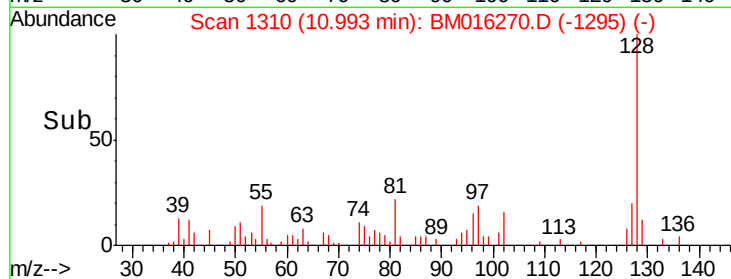
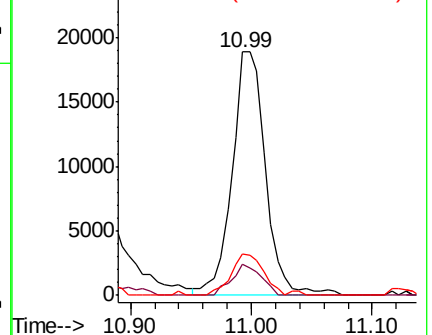
127 17.0 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

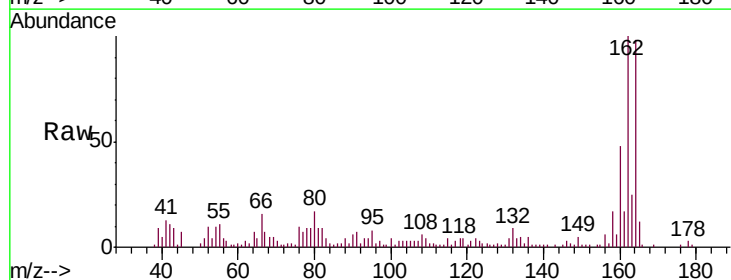
Tgt Ion:164 Resp: 96130

Ion Ratio Lower Upper

164 100

162 101.7 82.4 123.6

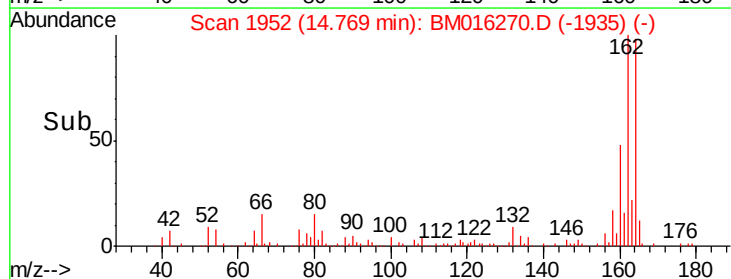
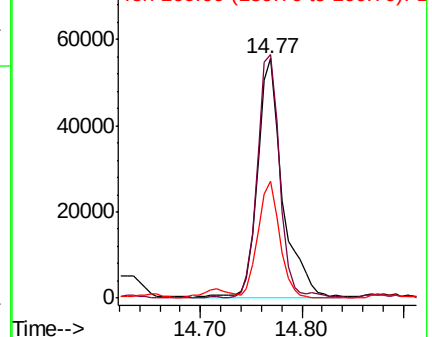
160 49.0 35.8 53.6

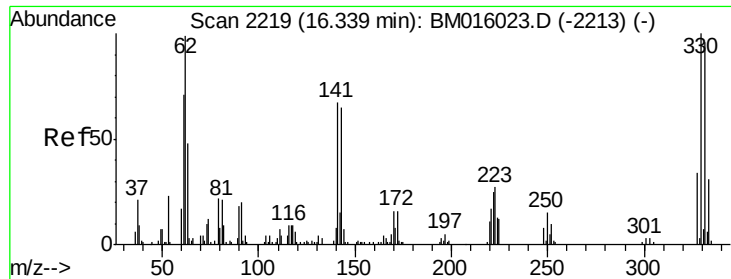


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

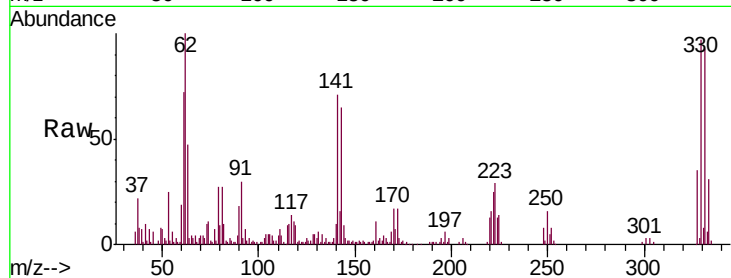




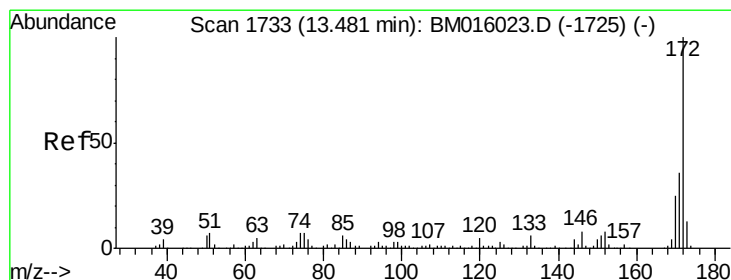
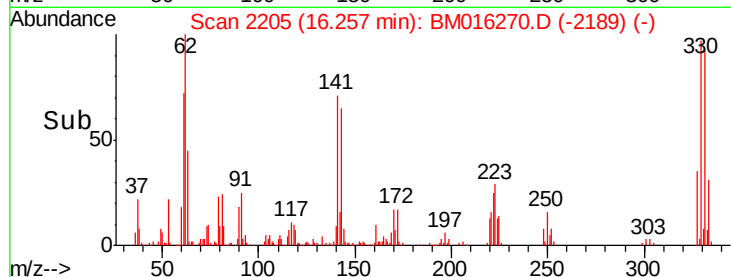
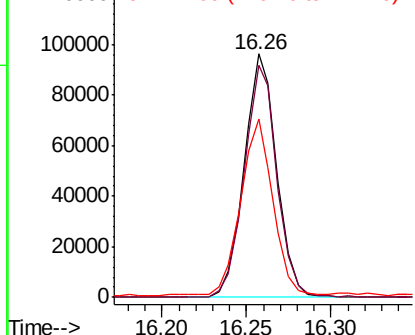
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

Instrument :
 BNA_M
 ClientSampleId :
 MW-04

Tgt Ion: 330 Resp: 128432
 Ion Ratio Lower Upper
 330 100
 332 96.4 0.0 0.0#
 141 70.7 0.0 0.0#

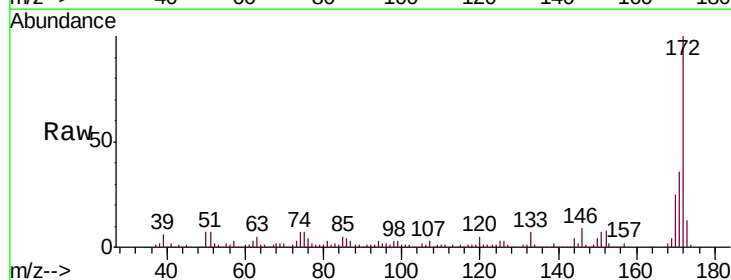


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

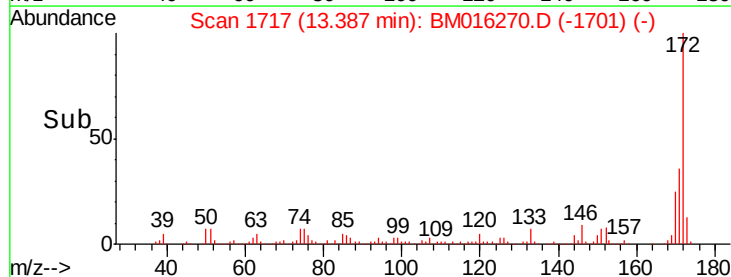
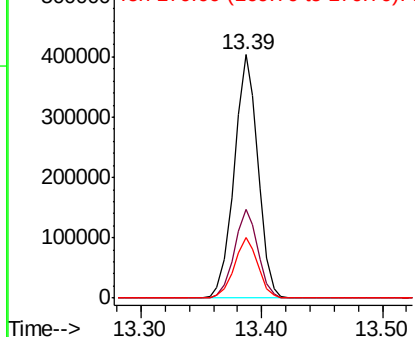


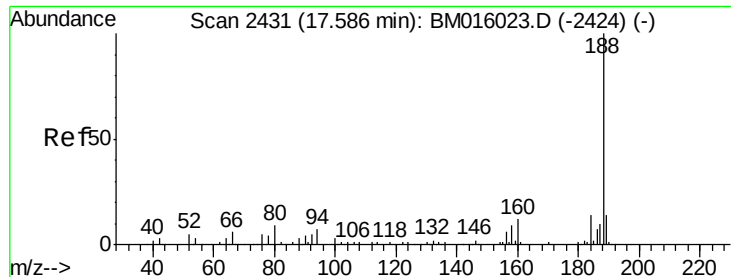
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1717
 Delta R.T. -0.01 min
 Lab File: BM016270.D
 Acq: 09 Aug 2018 05:15

Tgt Ion: 172 Resp: 553518
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.5 42.7
 170 24.8 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

Instrument :

BNA_M

ClientSampleId :

MW-04

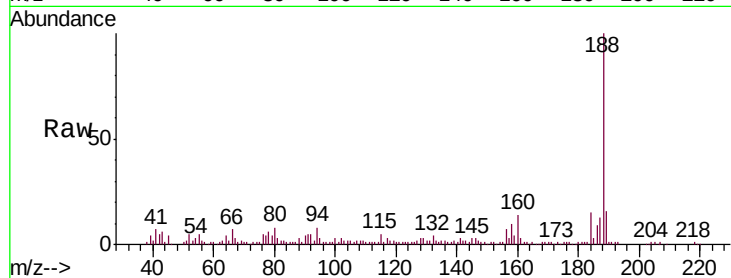
Tgt Ion:188 Resp: 157958

Ion Ratio Lower Upper

188 100

94 8.1 8.7 13.1#

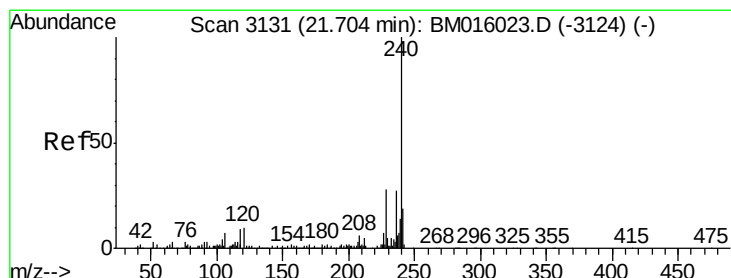
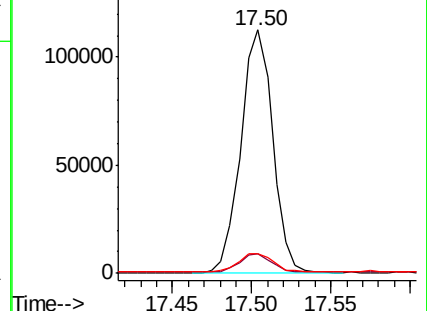
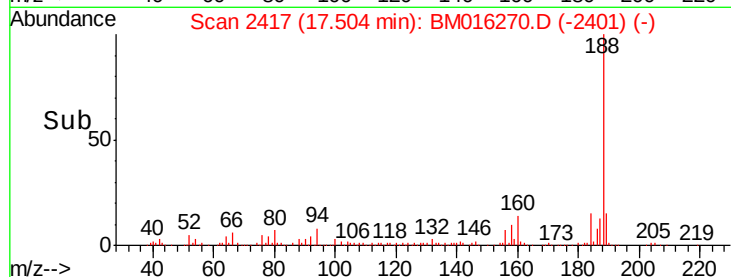
80 8.0 9.3 13.9#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

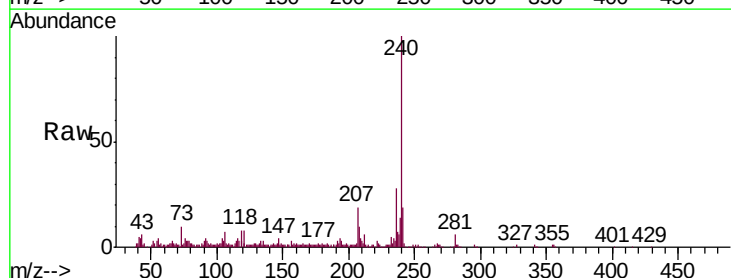
Tgt Ion:240 Resp: 168813

Ion Ratio Lower Upper

240 100

120 7.9 8.2 12.2#

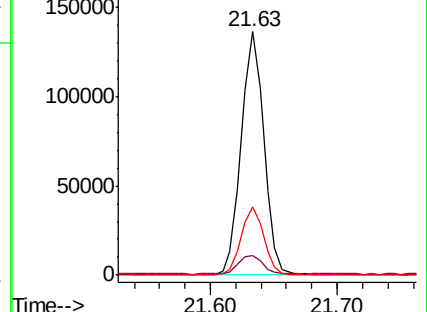
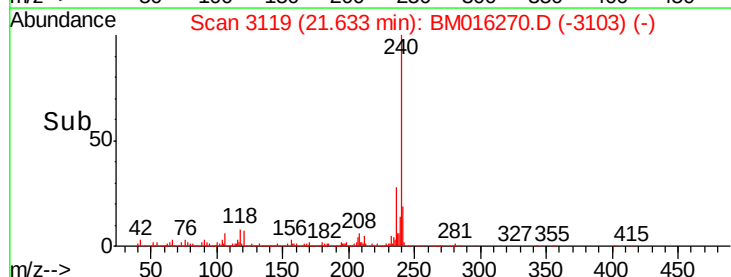
236 28.3 20.0 30.0

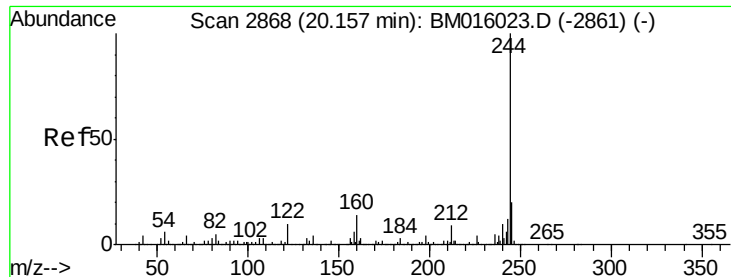


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: Below ng

RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

Instrument :

BNA_M

ClientSampleId :

MW-04

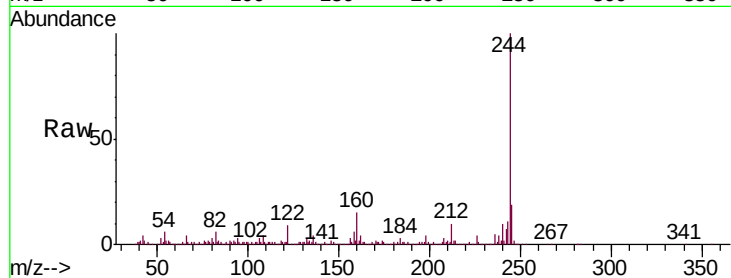
Tgt Ion:244 Resp: 677602

Ion Ratio Lower Upper

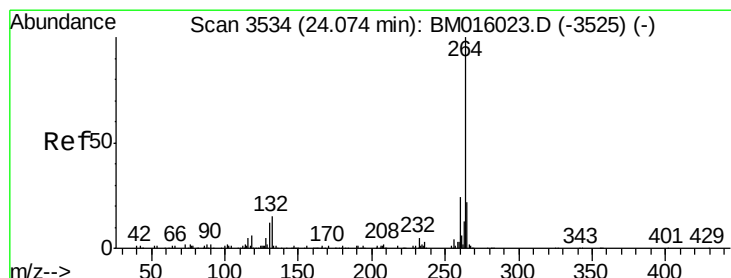
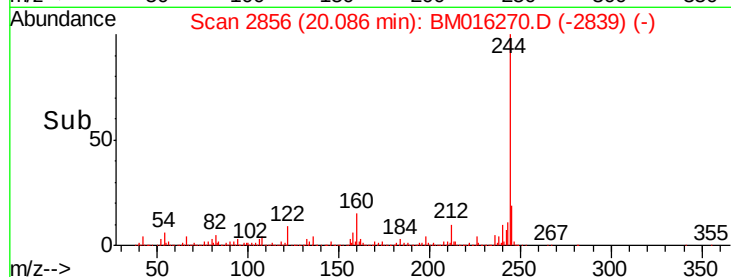
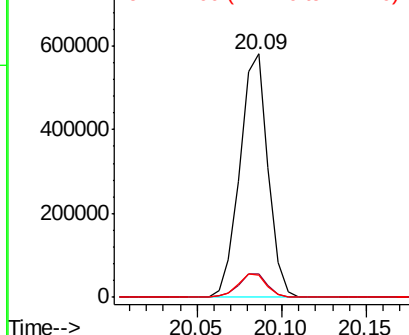
244 100

212 9.6 4.9 7.3#

122 8.9 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.97 min Scan# 3517

Delta R.T. 0.00 min

Lab File: BM016270.D

Acq: 09 Aug 2018 05:15

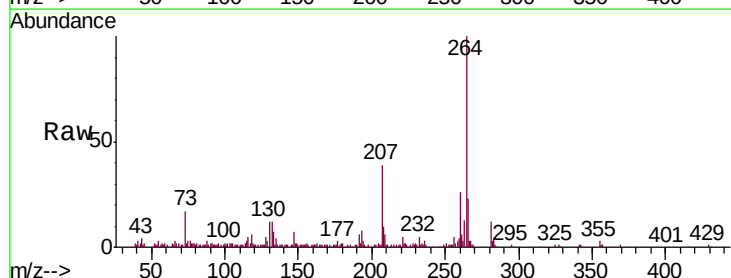
Tgt Ion:264 Resp: 182102

Ion Ratio Lower Upper

264 100

260 25.8 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

