

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090518\
 Data File : BM016672.D
 Acq On : 05 Sep 2018 15:29
 Operator : SJ/JU
 Sample : J4757-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 05 17:54:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 16:42:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	65730	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	218631	20.00	ng	0.00
38) Acenaphthene-d10	14.61	164	144424	20.00	ng	0.00
63) Phenanthrene-d10	17.35	188	434646	20.00	ng	0.00
75) Chrysene-d12	21.50	240	665738	20.00	ng	0.00
86) Perylene-d12	23.77	264	848770	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	82856	24.70	ng	0.00
7) Phenol-d6	7.15	99	277757	62.58	ng	0.00
23) Nitrobenzene-d5	9.15	82	279320	58.33	ng	0.00
41) 2,4,6-Tribromophenol	16.11	330	68419	16.95	ng	0.00
44) 2-Fluorobiphenyl	13.22	172	730878	48.64	ng	0.00
78) Terphenyl-d14	19.94	244	1632448	51.90	ng	0.00

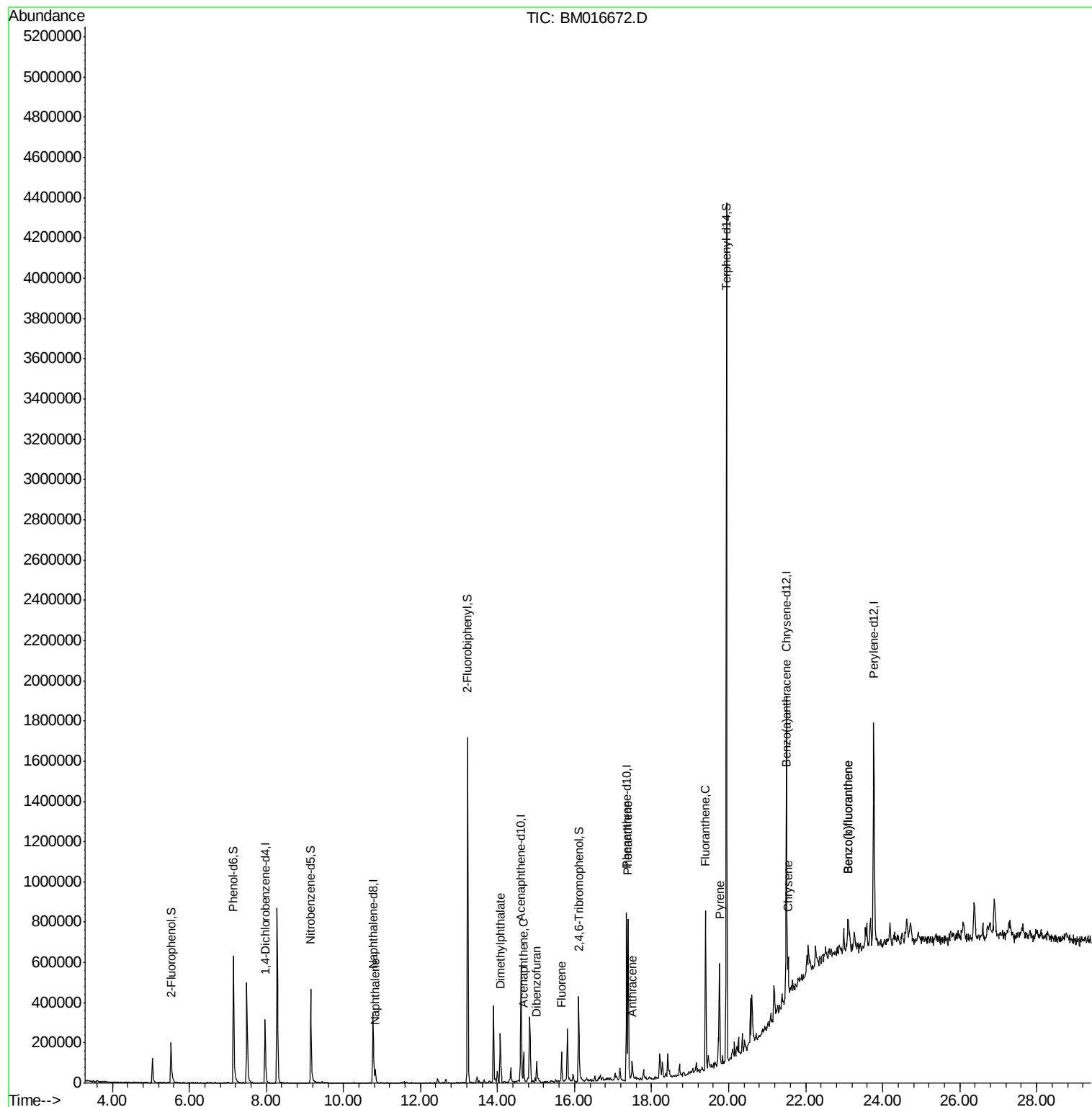
Target Compounds				Qvalue		
31) Naphthalene	10.83	128	50334	4.832	ng	96
49) Dimethylphthalate	14.07	163	139347	10.043	ng	# 98
51) Acenaphthene	14.67	154	41886	4.695	ng	93
54) Dibenzofuran	15.02	168	53984	3.161	ng	# 78
57) Fluorene	15.66	166	58899	4.565	ng	# 93
70) Phenanthrene	17.39	178	452506	20.143	ng	98
71) Anthracene	17.50	178	49016	2.197	ng	# 92
74) Fluoranthene	19.40	202	478206	14.518	ng	94
77) Pyrene	19.76	202	331183	9.154	ng	99
80) Benzo(a)anthracene	21.49	228	136608	3.490	ng	# 92
82) Chrysene	21.54	228	104013	2.785	ng	94
87) Benzo(b)fluoranthene	23.10	252	140817	2.878	ng	# 92
88) Benzo(k)fluoranthene	23.10	252	140817	2.829	ng	# 93

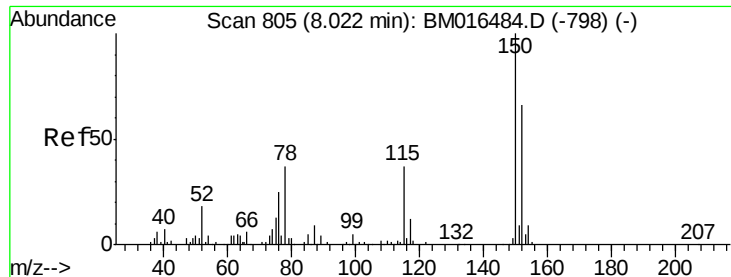
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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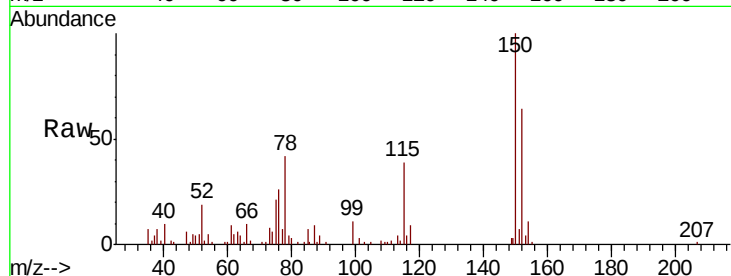


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	119.5	179.3
115	60.8	43.0	64.4

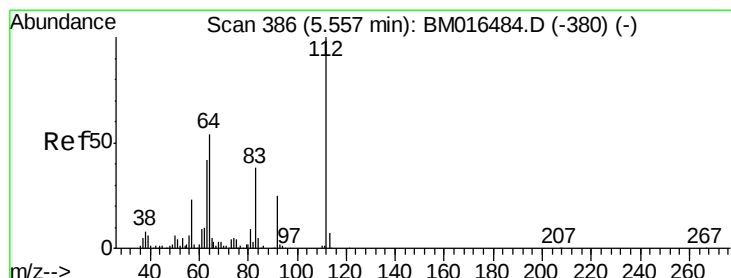
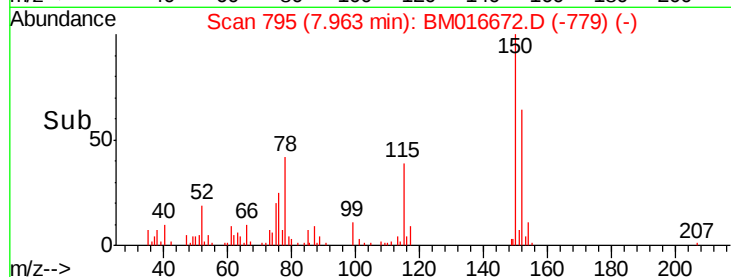
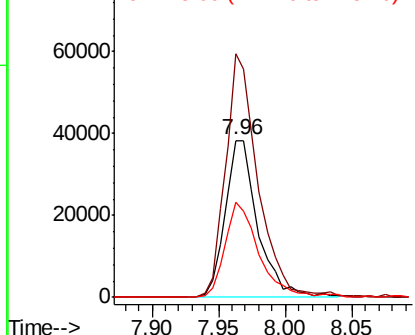


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

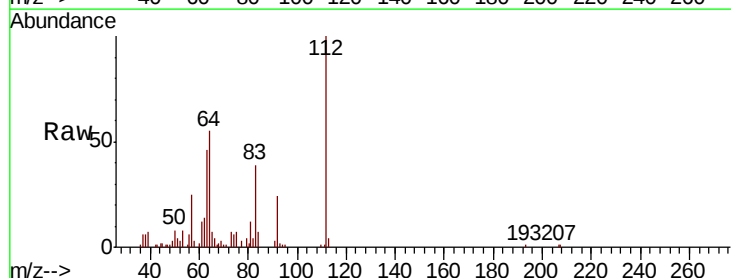
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.702 ng
RT: 5.52 min Scan# 380
Delta R.T. 0.01 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	38.6	57.8
63	46.1	19.3	28.9

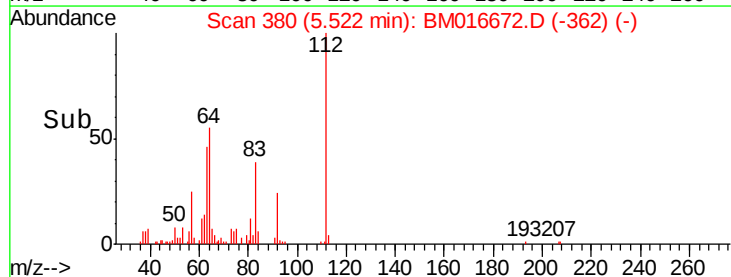
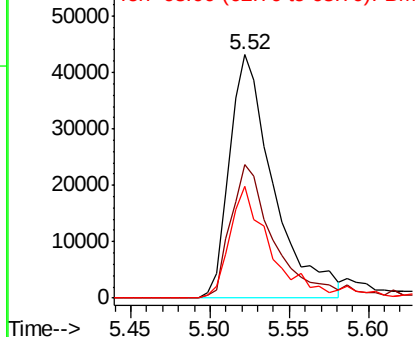


Abundance

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: 62.577 ng

RT: 7.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Instrument :

BNA_M

ClientSampleId :

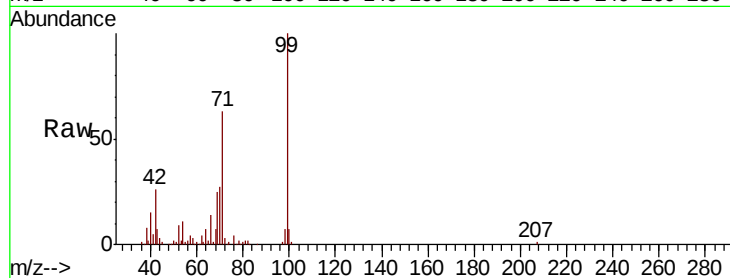
Tot Ion: 99 Resp: 277757

Ion Ratio Lower Upper

99 100

42 25.9 11.0 16.4#

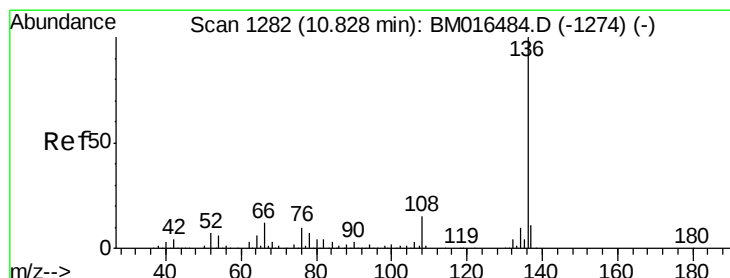
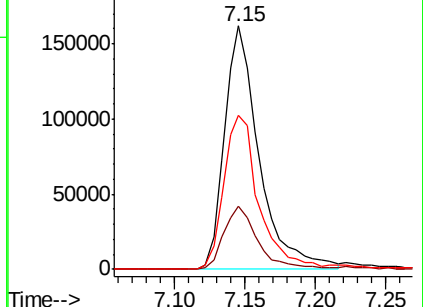
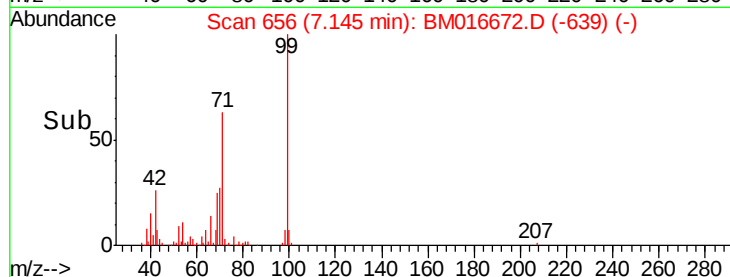
71 63.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016672.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM016672.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM016672.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Tgt Ion: 136 Resp: 218631

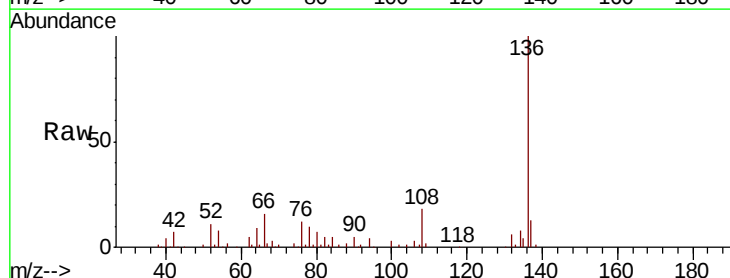
Ion Ratio Lower Upper

136 100

137 12.9 8.7 13.1

54 7.6 4.6 6.8#

68 3.2 3.7 5.5#

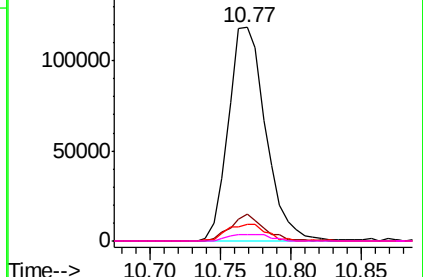
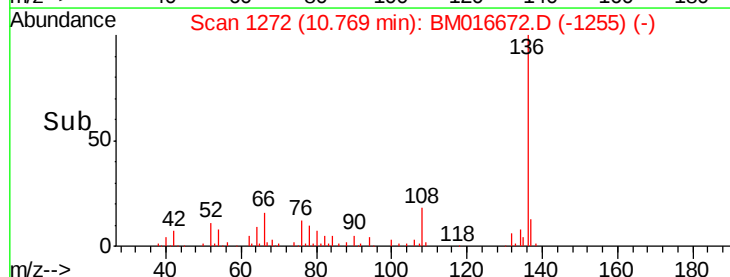


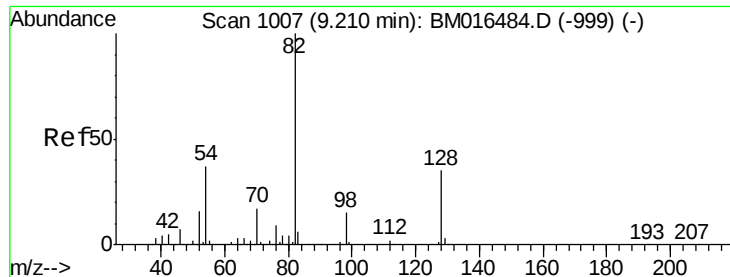
Abundance Ion 136.00 (135.70 to 136.70): BM016672.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM016672.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM016672.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM016672.D (-1255) (-)

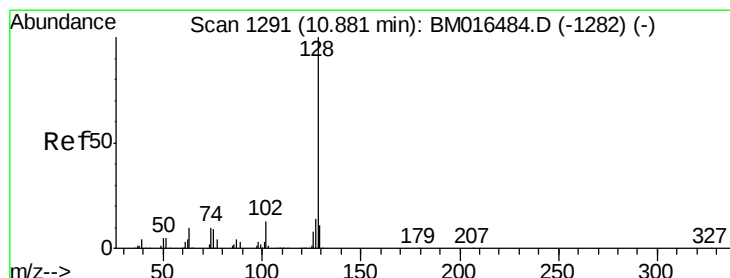
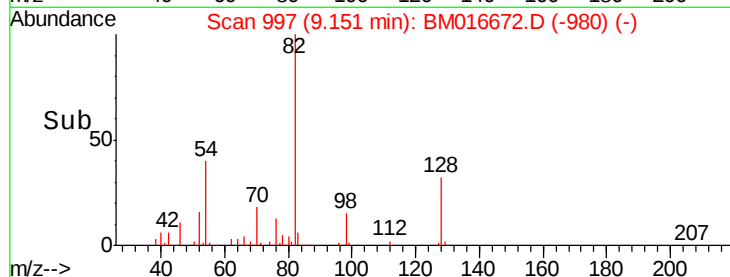
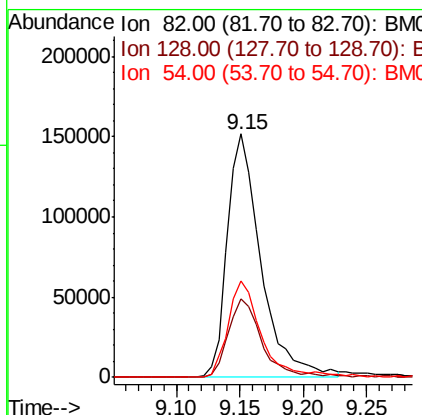
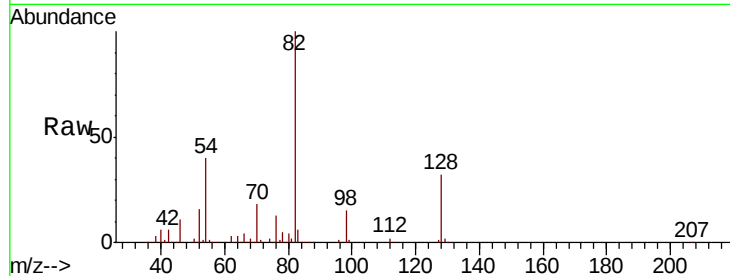




#23
 Nitrobenzene-d5
 Concen: 58.333 ng
 RT: 9.15 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BM016672.D
 Acq: 05 Sep 2018 15:29

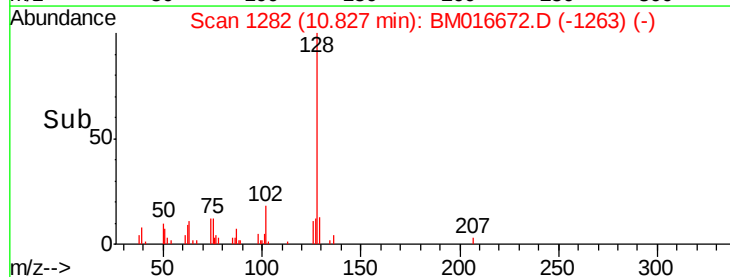
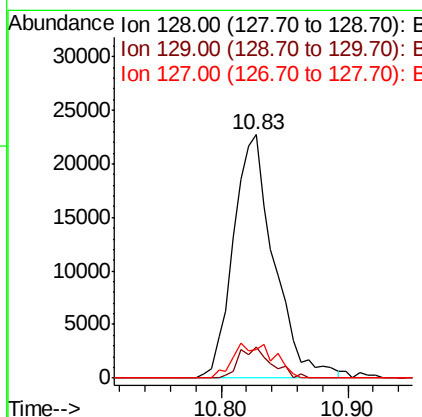
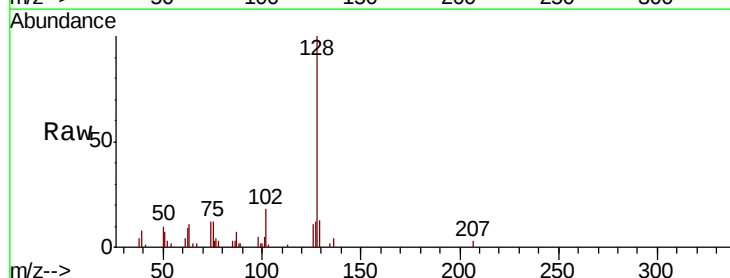
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.2	32.8	49.2#
54	39.5	40.6	60.8#



#31
 Naphthalene
 Concen: 4.832 ng
 RT: 10.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: BM016672.D
 Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.9	13.3
127	11.7	10.4	15.6





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

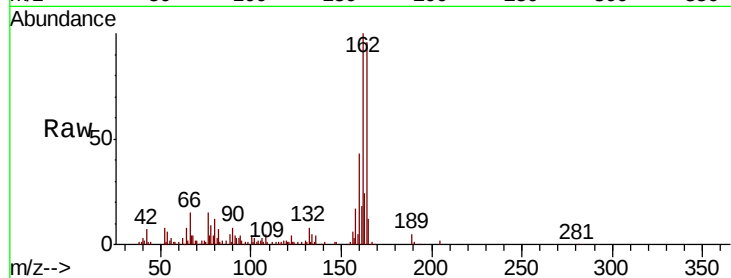
Instrument :

BNA_M

ClientSampleId :

Tot Ion:164 Resp: 144424

Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.4	123.6
160	45.4	35.8	53.6



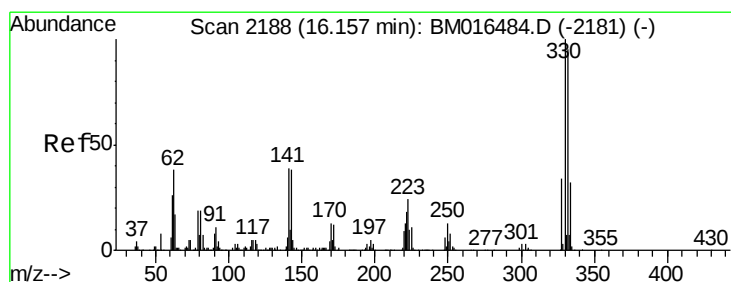
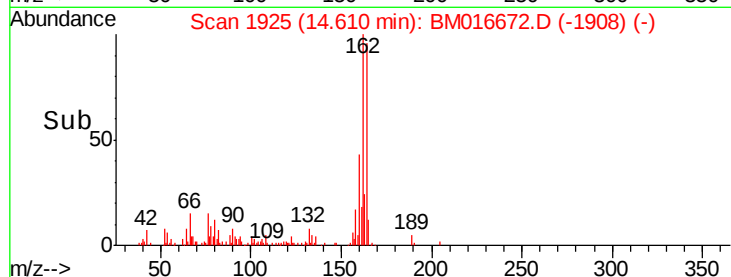
Abundance

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

Time-->



#41

2,4,6-Tribromophenol

Concen: 16.947 ng

RT: 16.11 min Scan# 2180

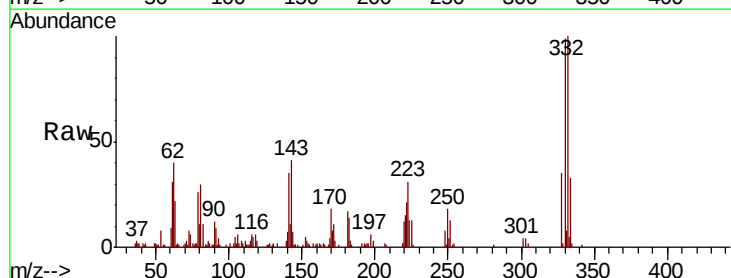
Delta R.T. 0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Tgt Ion:330 Resp: 68419

Ion	Ratio	Lower	Upper
330	100		
332	98.5	0.0	0.0#
141	35.2	0.0	0.0#



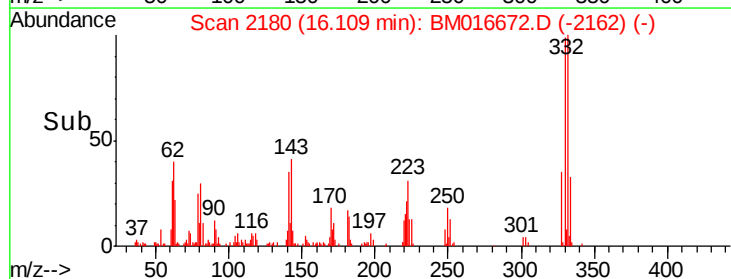
Abundance

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

Time-->

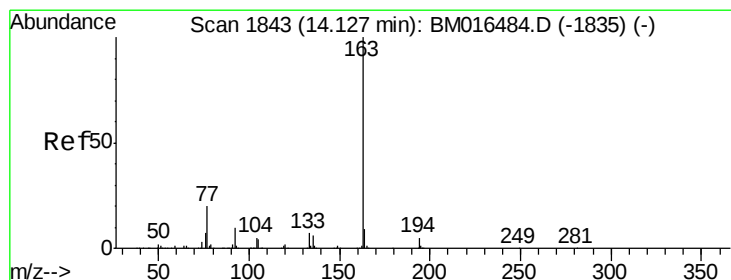
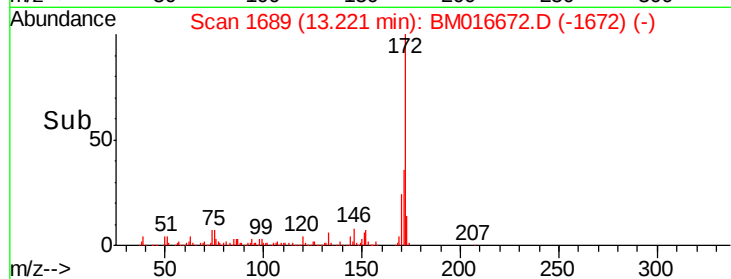
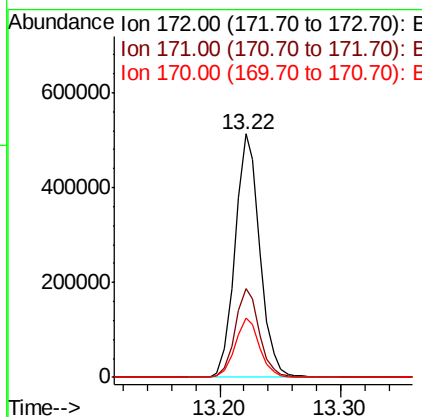
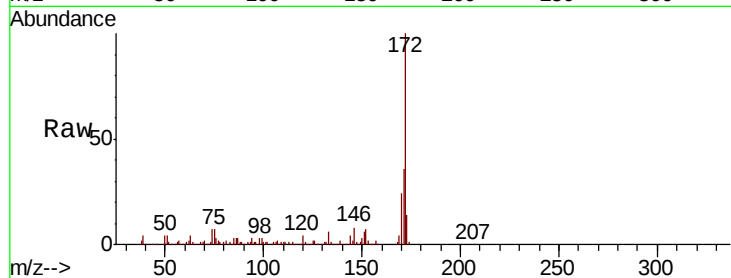




#44
2-Fluorobiphenyl
Concen: 48.644 ng
RT: 13.22 min Scan# 1689
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

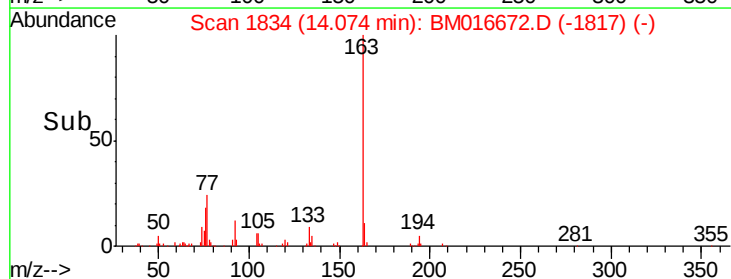
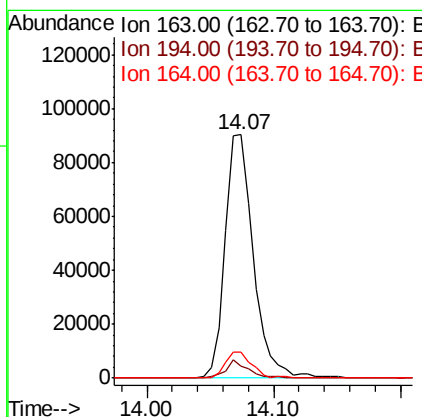
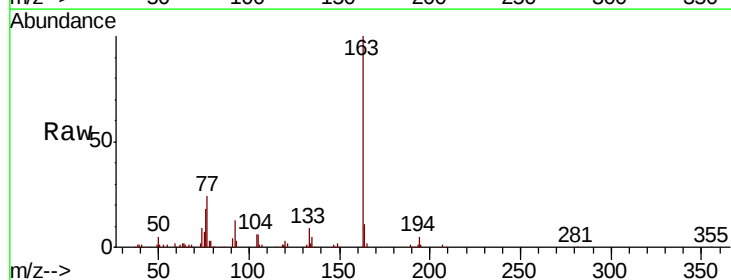
Instrument :
BNA_M
ClientSampleId :

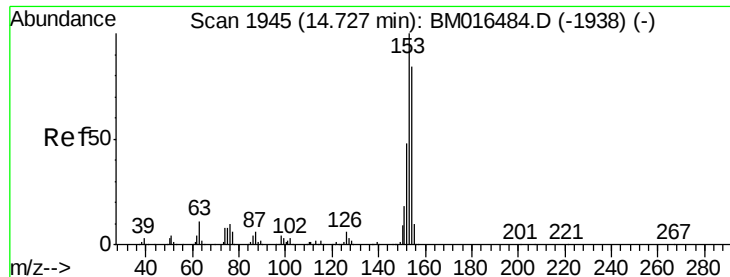
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.5	42.7
170	24.3	18.8	28.2



#49
Dimethylphthalate
Concen: 10.043 ng
RT: 14.07 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.7	4.1#
164	10.9	8.2	12.2





#51

Acenaphthene

Concen: 4.695 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Instrument :

BNA_M

ClientSampleId :

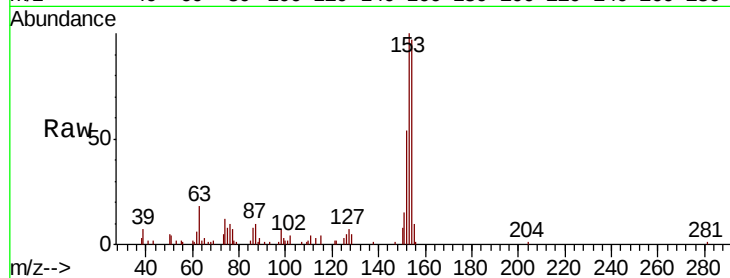
Tot Ion:154 Resp: 41886

Ion Ratio Lower Upper

154 100

153 103.6 90.0 135.0

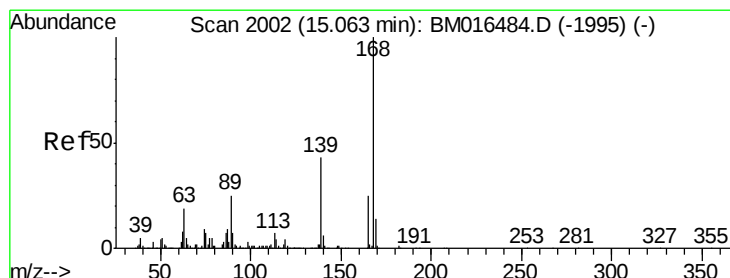
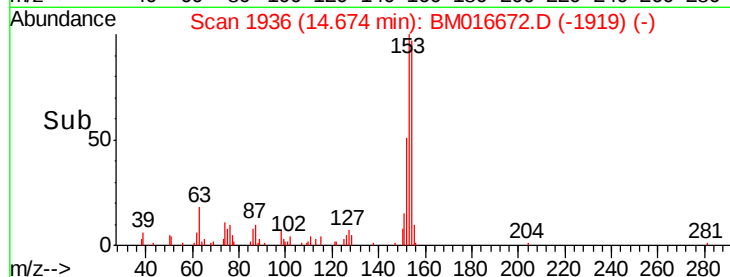
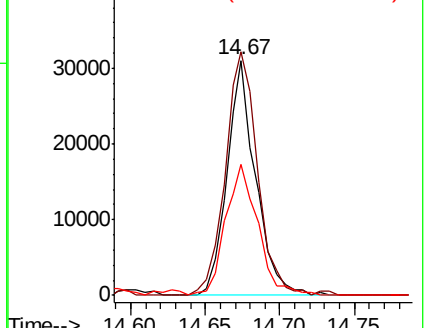
152 55.7 42.6 63.8



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



#54

Dibenzofuran

Concen: 3.161 ng

RT: 15.02 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

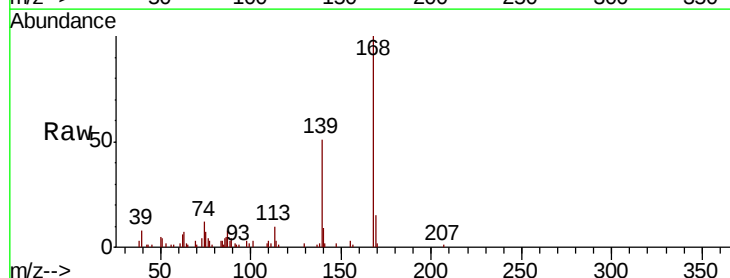
Tgt Ion:168 Resp: 53984

Ion Ratio Lower Upper

168 100

139 51.2 27.3 40.9#

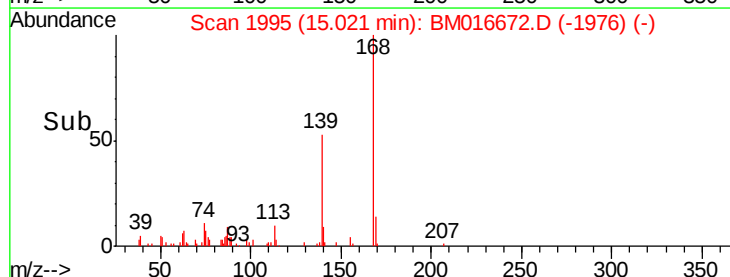
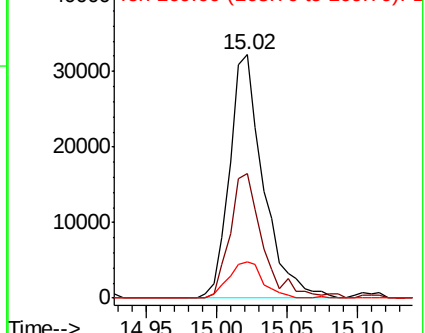
169 14.8 10.6 16.0

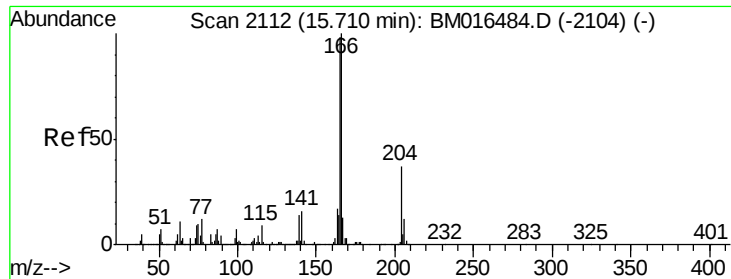


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.565 ng

RT: 15.66 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Instrument :

BNA_M

ClientSampleId :

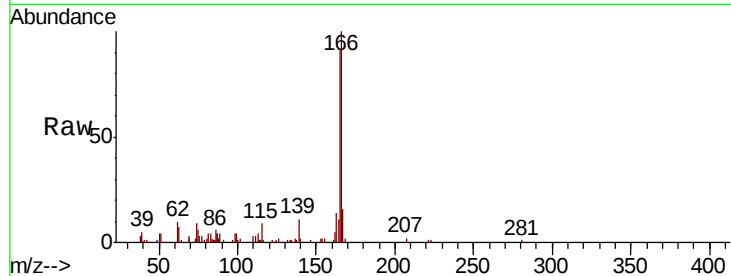
Tot Ion:166 Resp: 58899

Ion Ratio Lower Upper

166 100

165 91.4 79.0 118.4

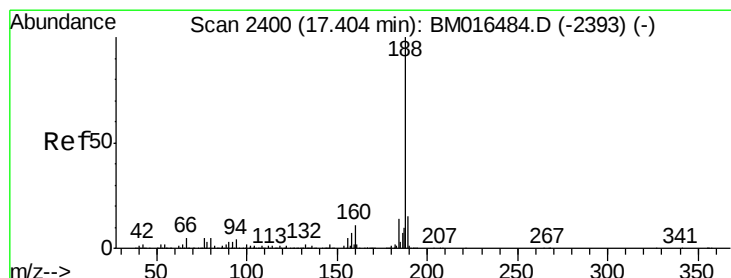
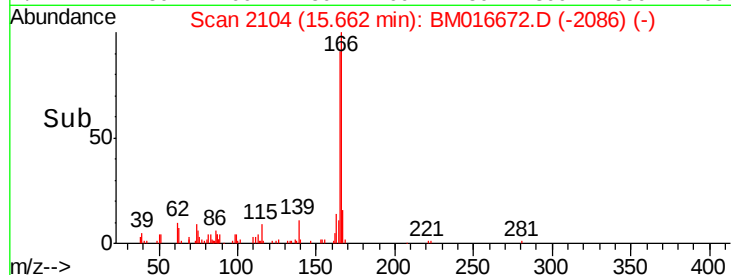
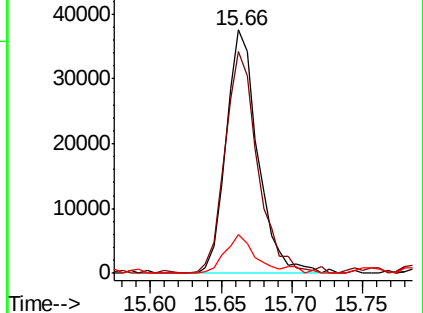
167 16.0 10.3 15.5#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

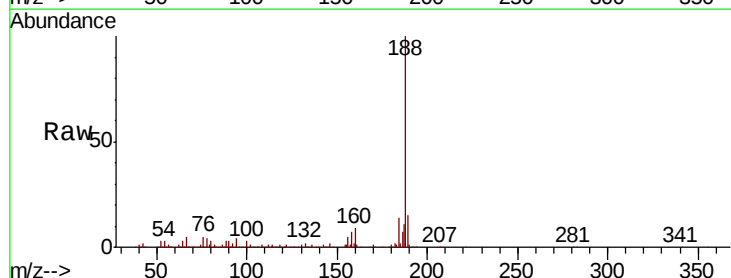
Tgt Ion:188 Resp: 434646

Ion Ratio Lower Upper

188 100

94 3.7 8.7 13.1#

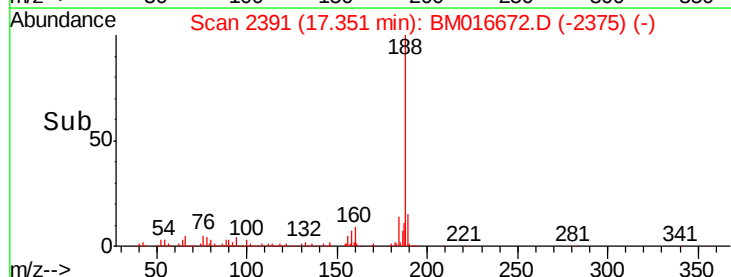
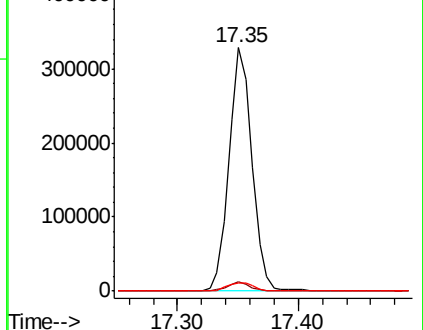
80 3.2 9.3 13.9#

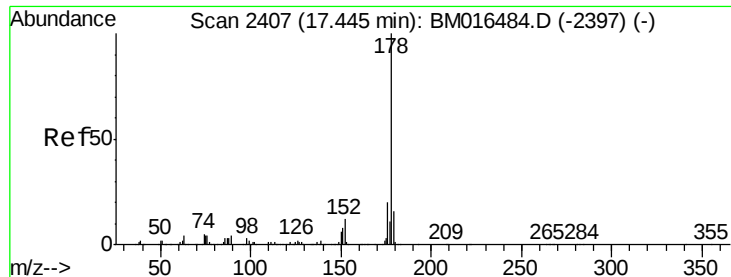


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 20.143 ng

RT: 17.39 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Instrument :

BNA_M

ClientSampleId :

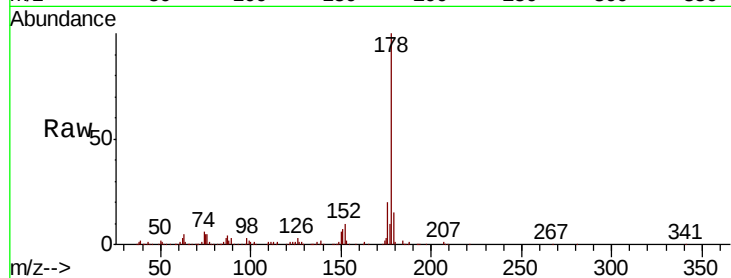
Tot Ion:178 Resp: 452506

Ion Ratio Lower Upper

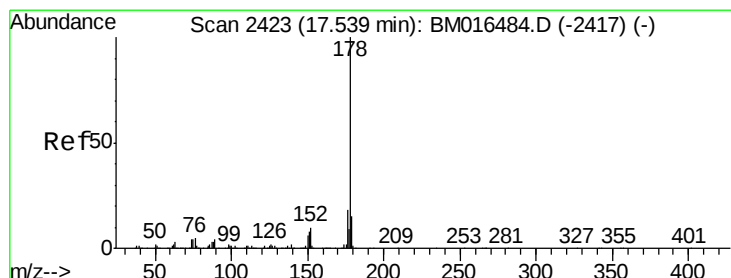
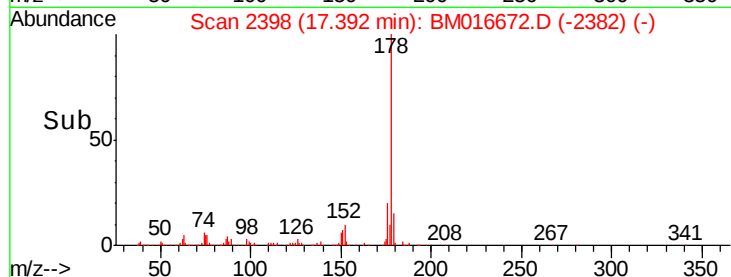
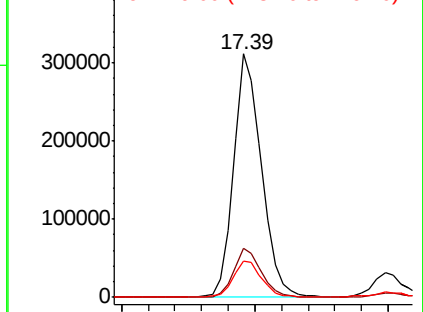
178 100

176 20.3 15.2 22.8

179 15.0 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.197 ng

RT: 17.50 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

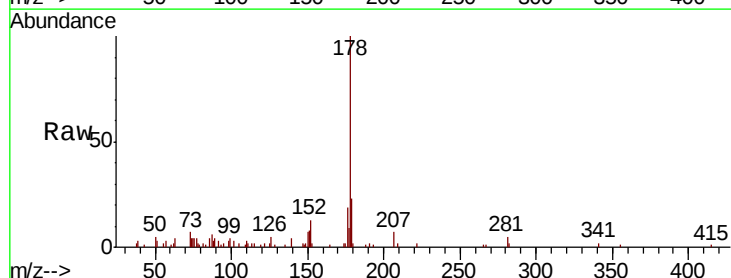
Tgt Ion:178 Resp: 49016

Ion Ratio Lower Upper

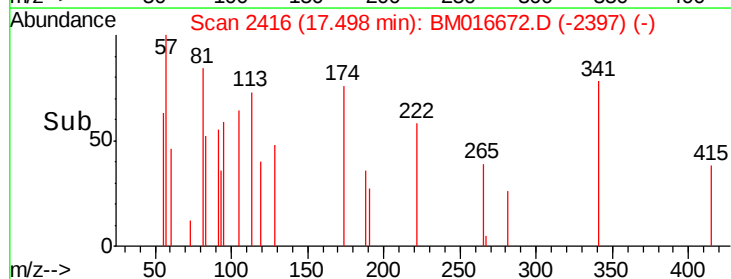
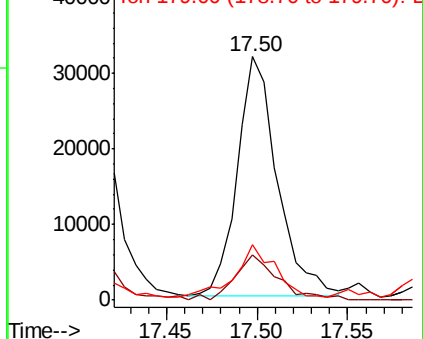
178 100

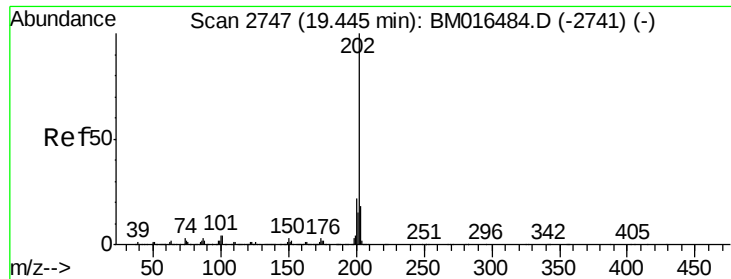
176 18.7 14.6 22.0

179 22.7 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

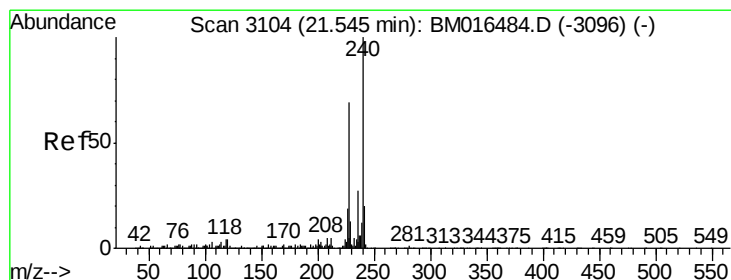
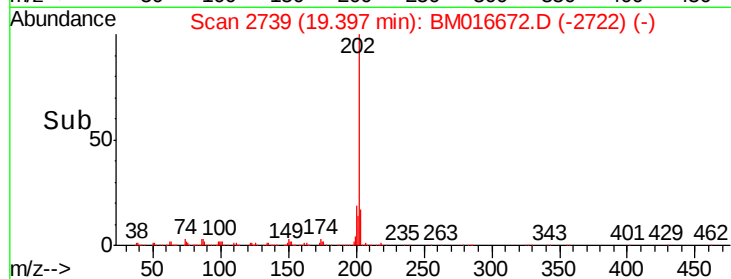
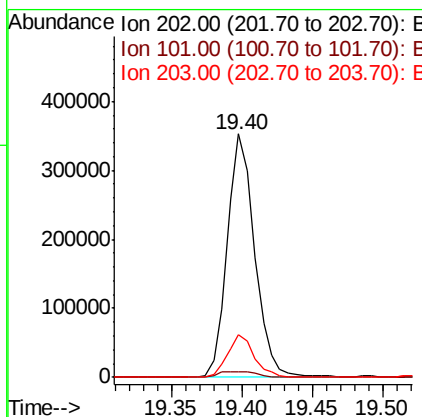
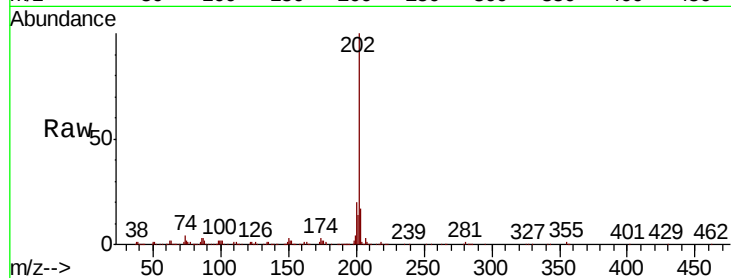




#74
Fluoranthene
Concen: 14.518 ng
RT: 19.40 min Scan# 2739
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

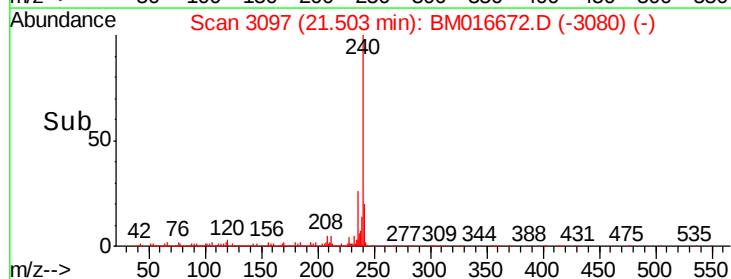
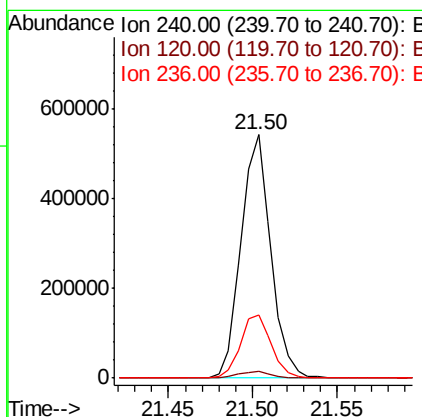
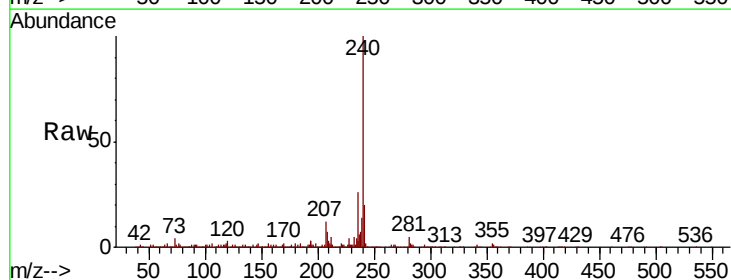
Instrument :
BNA_M
ClientSampleId :

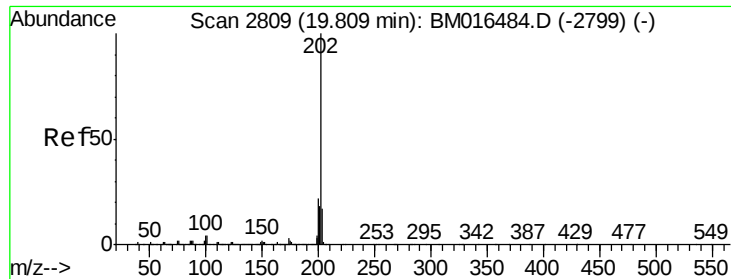
Tot Ion	Ratio	Lower	Upper
202	100		
101	2.3	0.0	28.7
203	17.3	0.0	37.2



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3097
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.6	8.2	12.2#
236	25.9	20.0	30.0

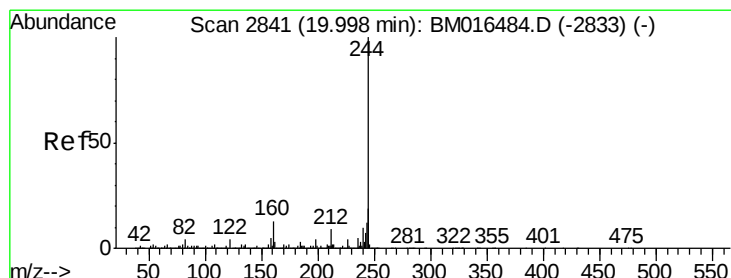
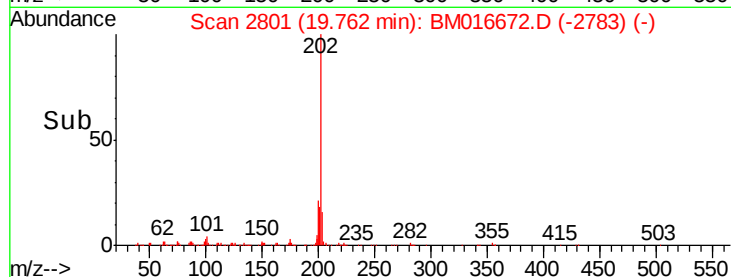
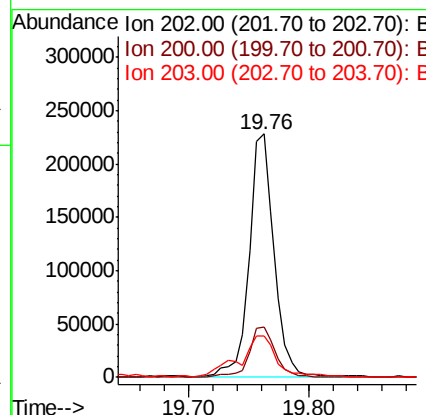
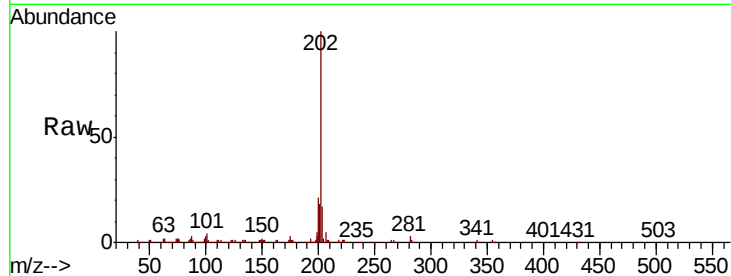




#77
Pvrene
Concen: 9.154 ng
RT: 19.76 min Scan# 2801
Delta R.T. 0.01 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

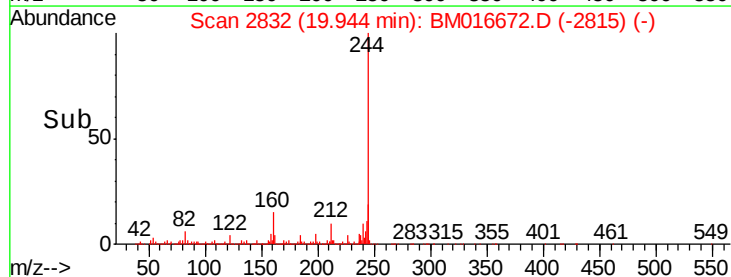
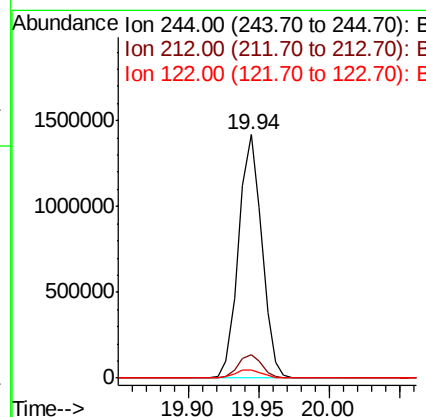
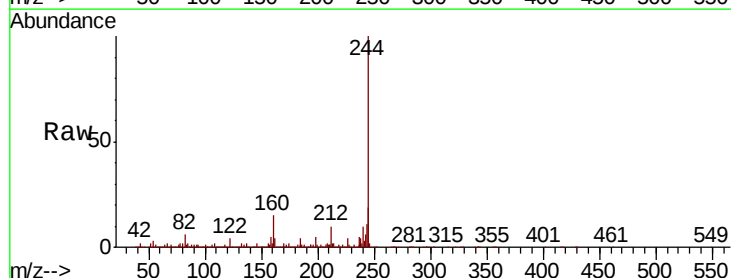
Instrument :
BNA_M
ClientSampleId :

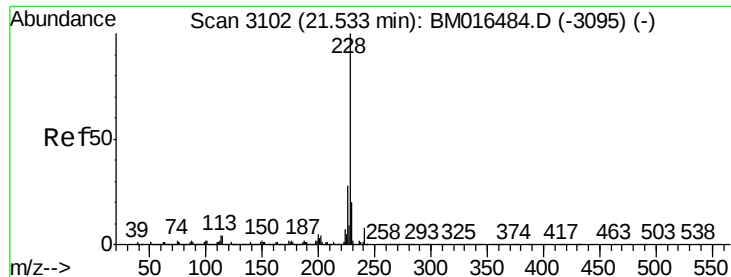
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	16.8	14.1	21.1



#78
Terphenyl-d14
Concen: 51.900 ng
RT: 19.94 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	4.9	7.3#
122	3.6	6.2	9.4#

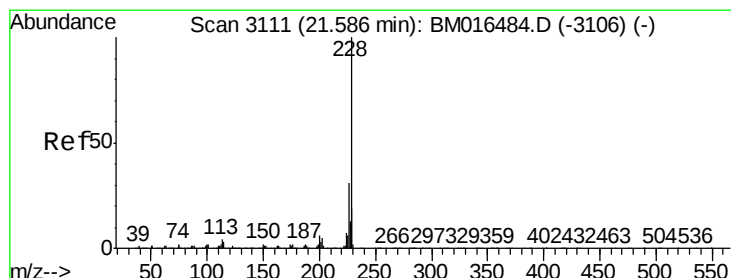
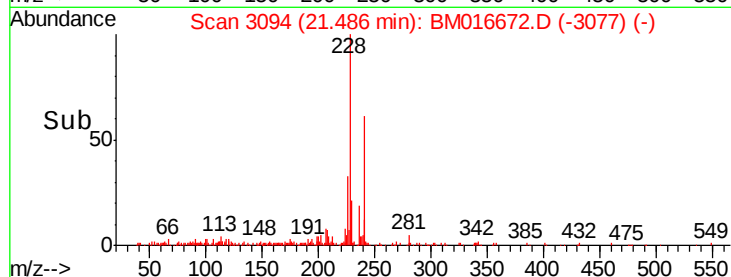
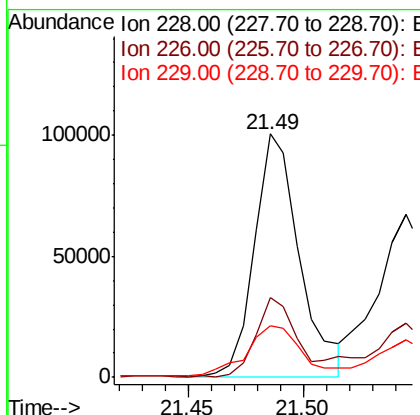
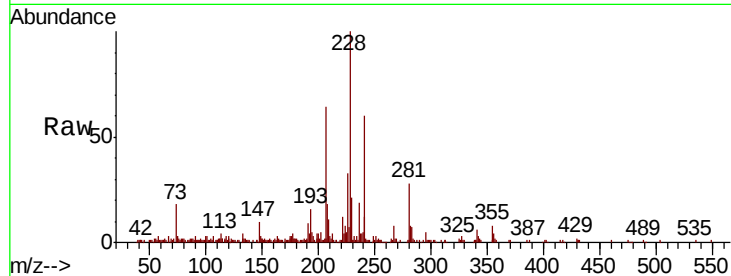




#80
Benzo(a)anthracene
Concen: 3.490 ng
RT: 21.49 min Scan# 3094
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

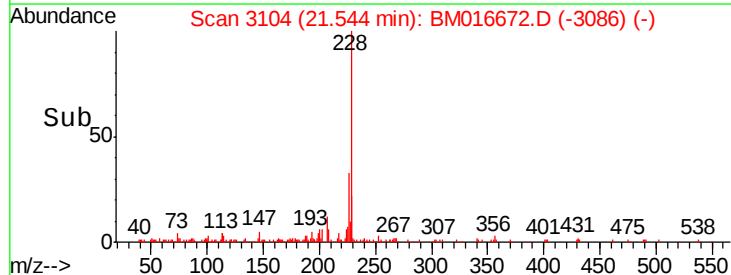
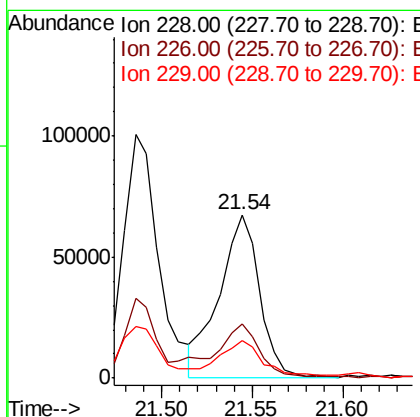
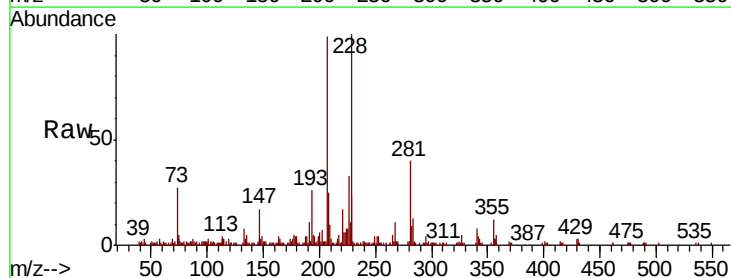
Instrument :
BNA_M
ClientSampleId :

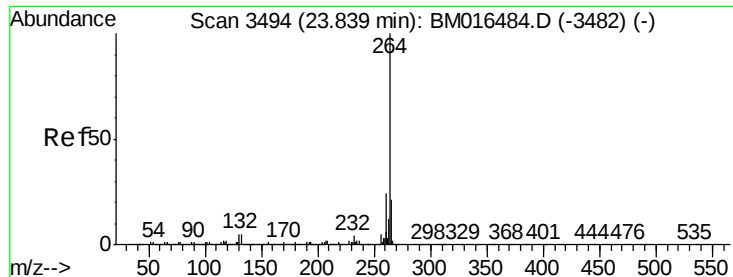
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	21.7	32.5#
229	21.2	16.0	24.0



#82
Chrysene
Concen: 2.785 ng
RT: 21.54 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.1	36.1
229	22.7	15.5	23.3



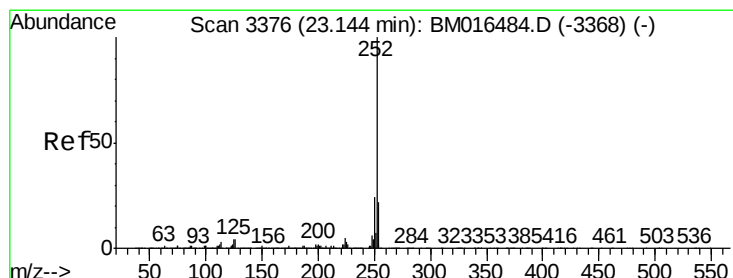
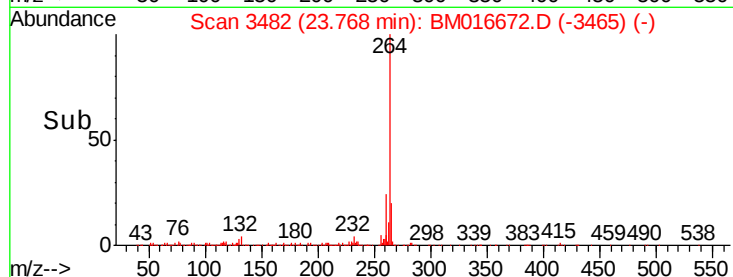
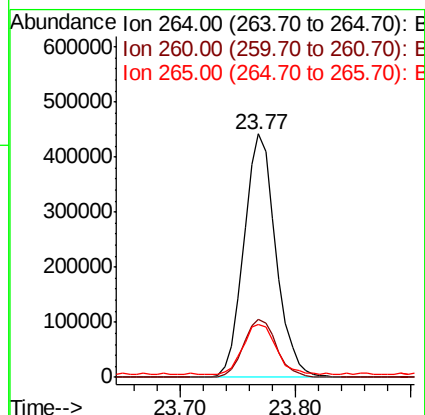
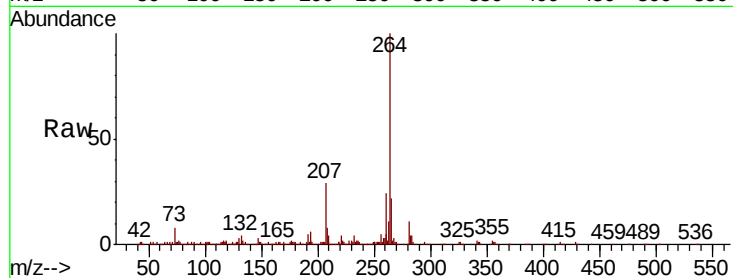


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.77 min Scan# 3482
Delta R.T. -0.00 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:264 Resp: 848770

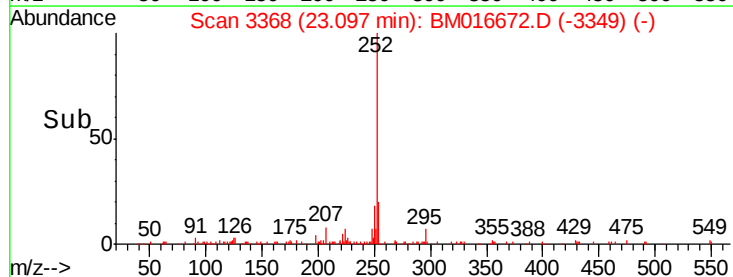
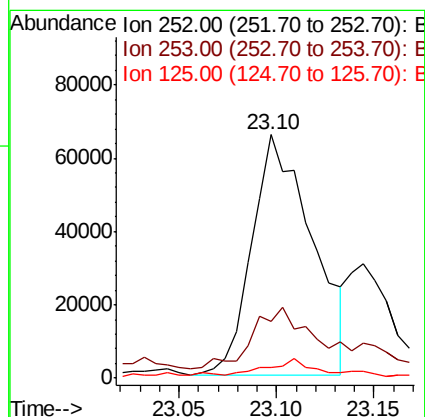
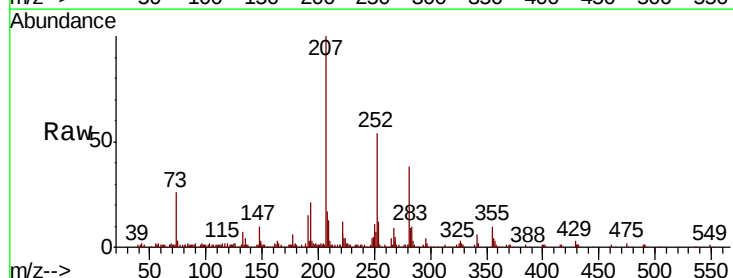
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.9	17.3	25.9

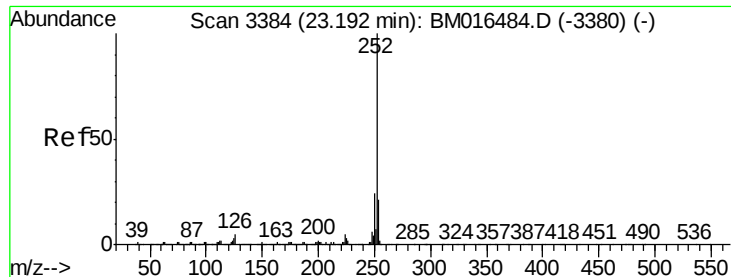


#87
Benzo(b)fluoranthene
Concen: 2.878 ng
RT: 23.10 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM016672.D
Acq: 05 Sep 2018 15:29

Tgt Ion:252 Resp: 140817

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	4.5	9.9	14.9





#88

Benzo(k)fluoranthene

Concen: 2.829 ng

RT: 23.10 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM016672.D

Acq: 05 Sep 2018 15:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	140817
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	4.5	8.1	12.1#

