

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016241.D
 Acq On : 08 Aug 2018 05:56
 Operator : SJ/JU
 Sample : J4313-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 06:51:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	47044	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	201148	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	112701	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	258157	20.00	ng	0.00
75) Chrysene-d12	21.64	240	269332	20.00	ng	0.00
86) Perylene-d12	23.97	264	237032	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	234278	82.72	ng	0.00
7) Phenol-d6	7.30	99	308430	83.39	ng	0.00
23) Nitrobenzene-d5	9.32	82	231023	53.42	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	104036	72.78	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	466471	50.36	ng	0.00
78) Terphenyl-d14	20.09	244	832561	64.71	ng	0.00

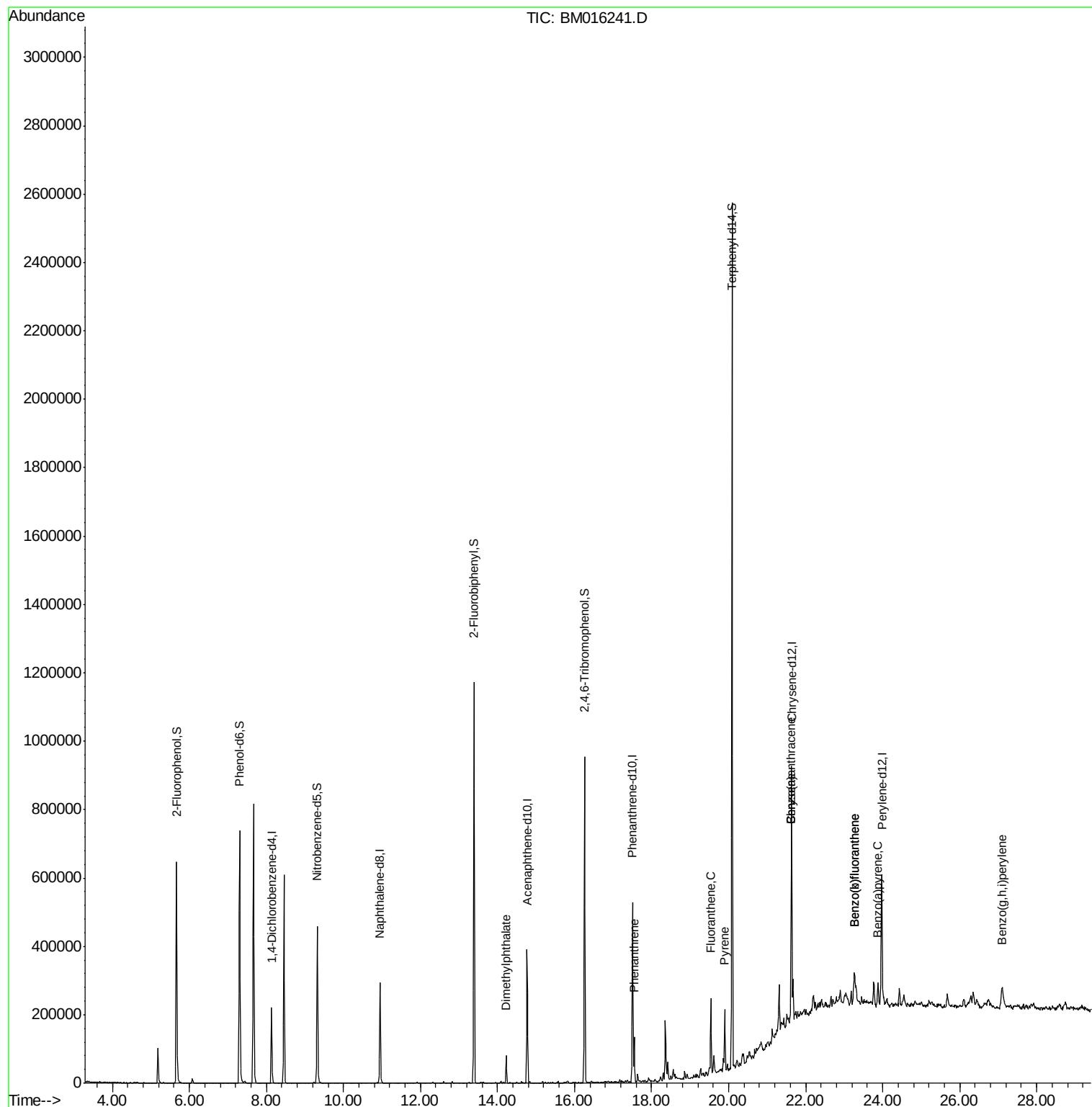
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.22	163	42707	4.330	ng	# 99
70) Phenanthrene	17.55	178	67988	4.704	ng	97
74) Fluoranthene	19.54	202	104718	6.495	ng	99
77) Pyrene	19.90	202	95065	5.890	ng	96
80) Benzo(a)anthracene	21.62	228	59113	3.564	ng	98
82) Chrysene	21.62	228	58390	3.669	ng	96
87) Benzo(b)fluoranthene	23.27	252	60769	4.354	ng	# 97
88) Benzo(k)fluoranthene	23.27	252	60014	4.243	ng	99
89) Benzo(a)pyrene	23.87	252	42356	3.157	ng	96
91) Benzo(g,h,i)perylene	27.09	276	27661	2.104	ng	94

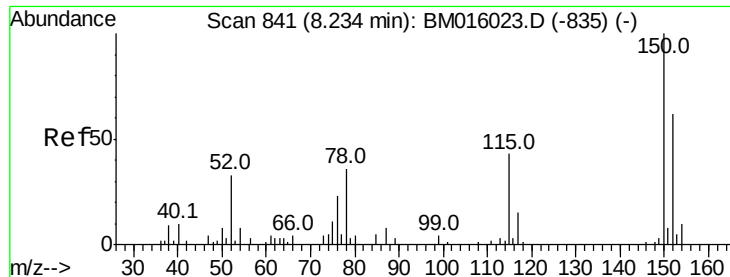
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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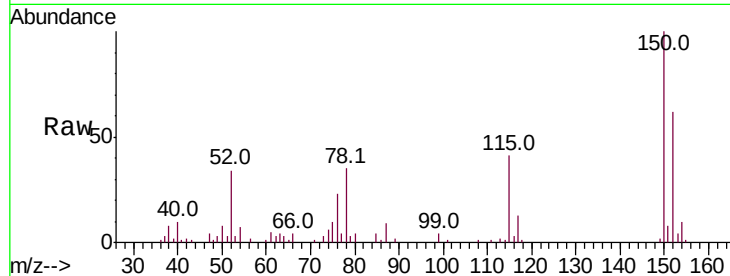


#1

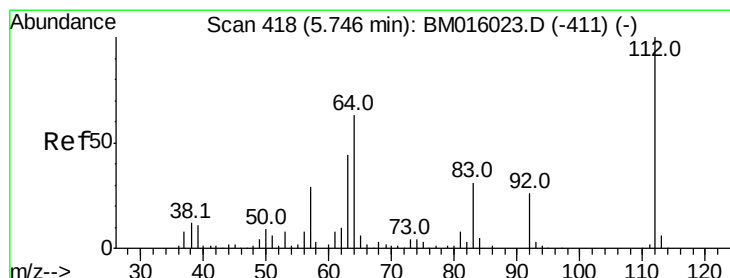
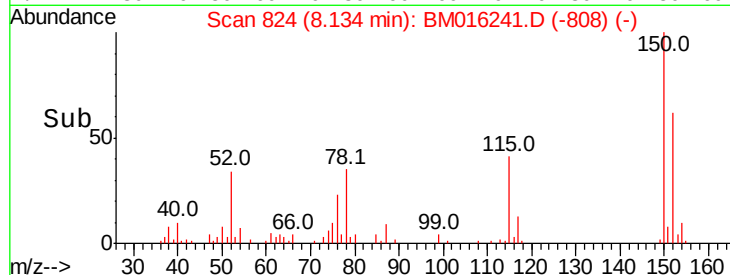
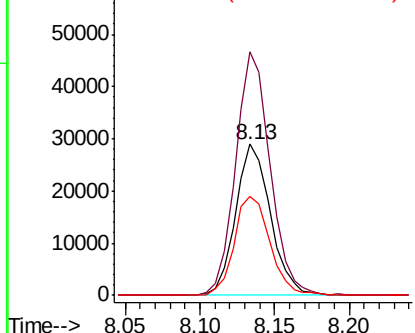
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM016241.D
Acq: 08 Aug 2018 05:56

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 47044
Ion Ratio Lower Upper
152 100
150 161.0 119.5 179.3
115 65.5 43.0 64.4#



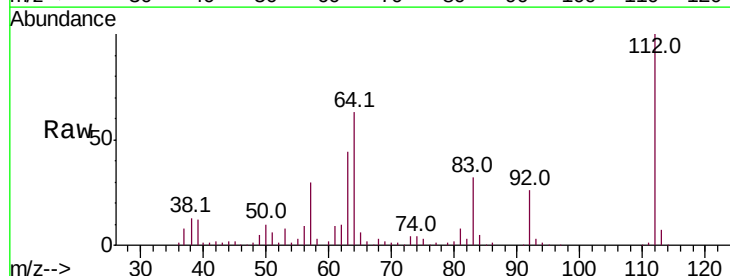
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



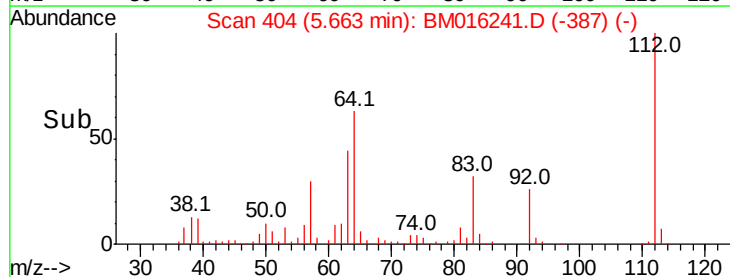
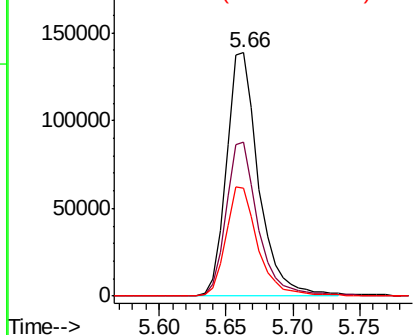
#5

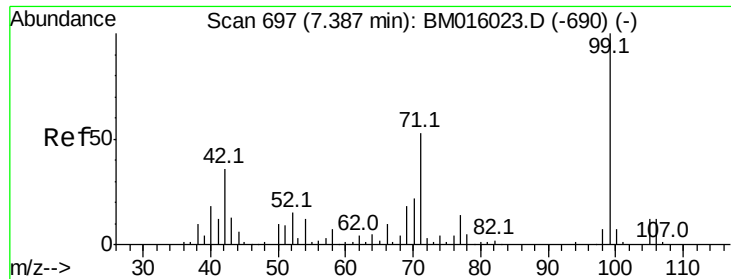
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016241.D
Acq: 08 Aug 2018 05:56

Tgt Ion:112 Resp: 234278
Ion Ratio Lower Upper
112 100
64 63.3 38.6 57.8#
63 44.3 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: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampled :

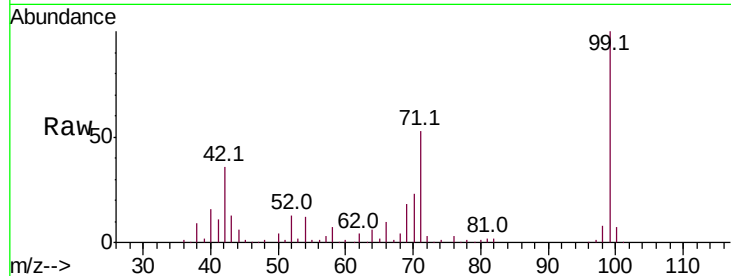
Tot Ion: 99 Resp: 308430

Ion Ratio Lower Upper

99 100

42 35.8 11.0 16.4#

71 52.6 23.4 35.2#

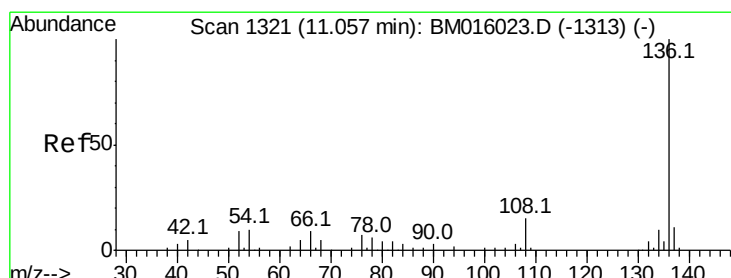
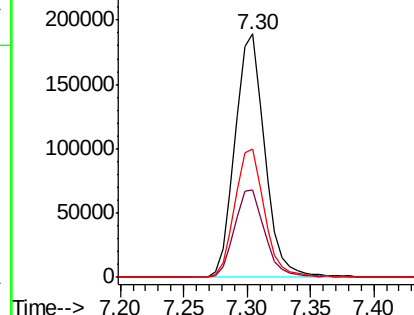
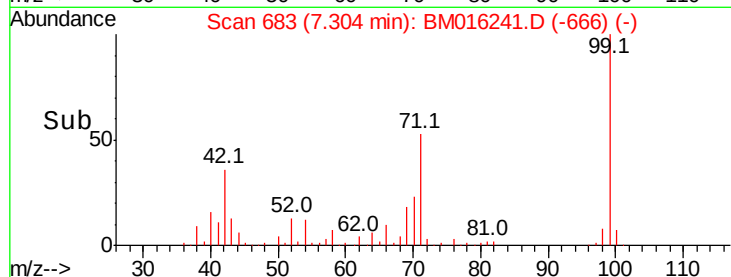


Abundance

Ion 99.00 (98.70 to 99.70): BM016241.D (-666) (-)

Ion 42.00 (41.70 to 42.70): BM016241.D (-666) (-)

Ion 71.00 (70.70 to 71.70): BM016241.D (-666) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Tgt Ion: 136 Resp: 201148

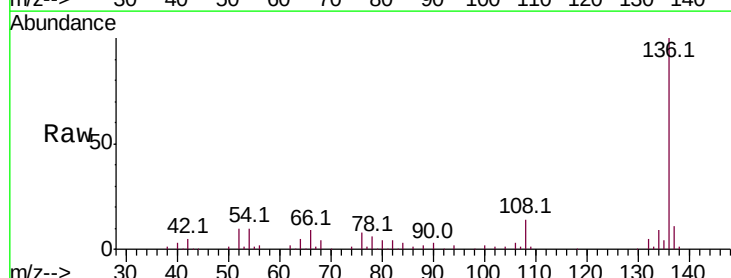
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.6 4.6 6.8#

68 4.4 3.7 5.5



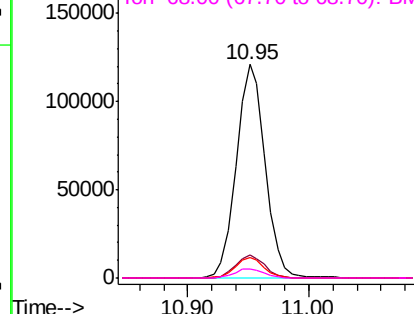
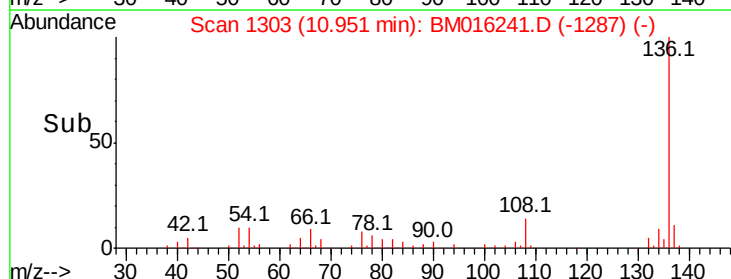
Abundance

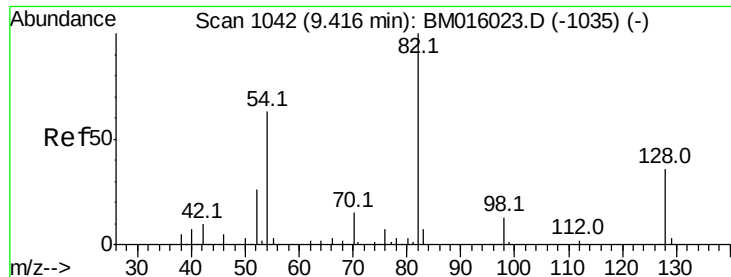
Ion 136.00 (135.70 to 136.70): BM016241.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016241.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016241.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016241.D (-1287) (-)

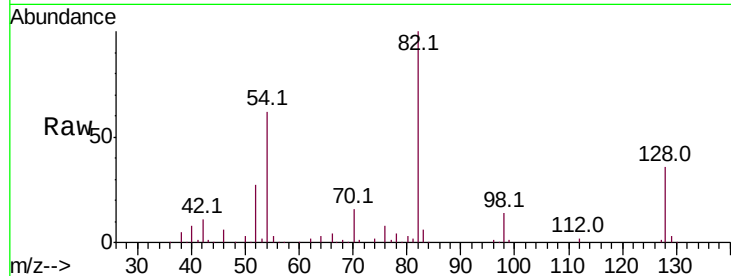




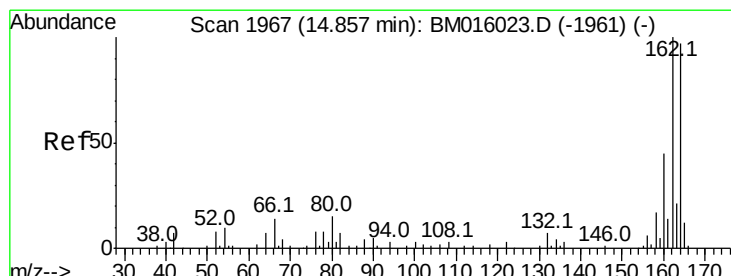
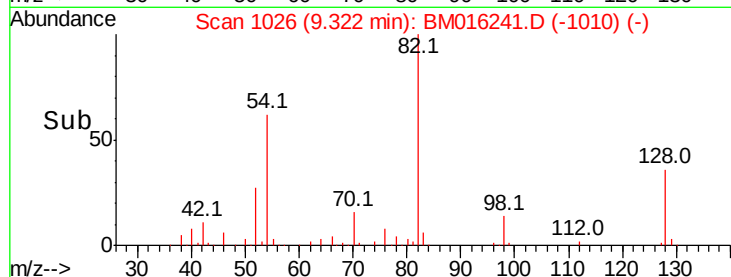
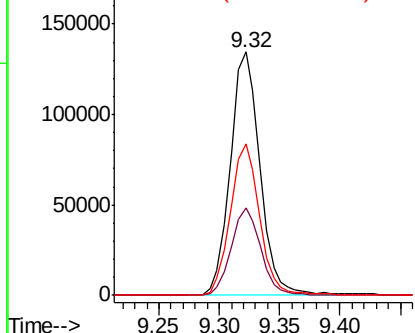
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016241.D
Acq: 08 Aug 2018 05:56

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 82 Resp: 231023
Ion Ratio Lower Upper
82 100
128 36.0 32.8 49.2
54 62.4 40.6 60.8#

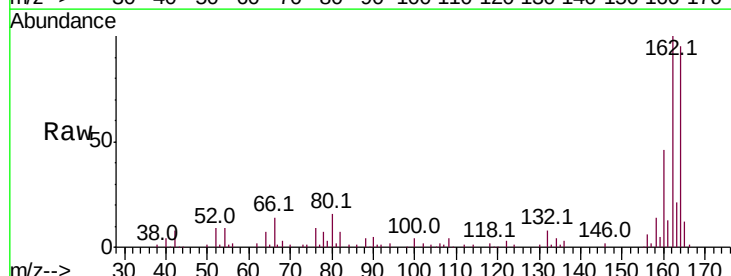


Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

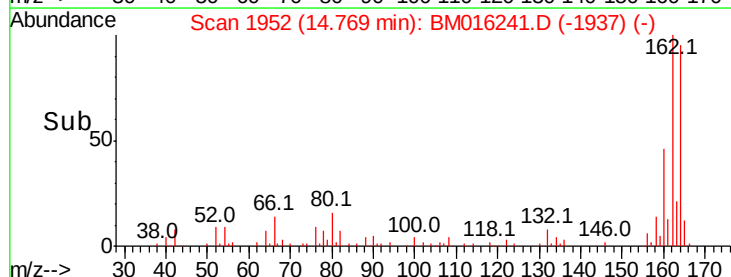
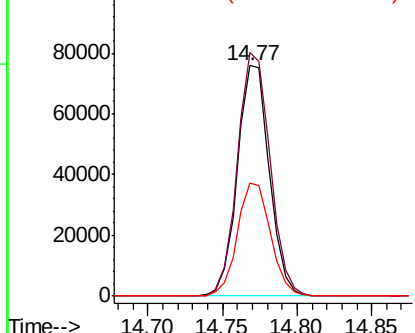


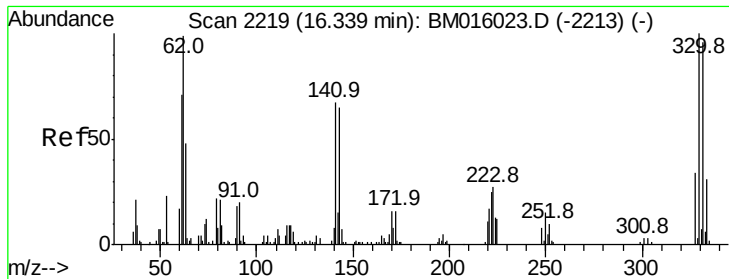
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM016241.D
Acq: 08 Aug 2018 05:56

Tgt Ion:164 Resp: 112701
Ion Ratio Lower Upper
164 100
162 105.5 82.4 123.6
160 48.8 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

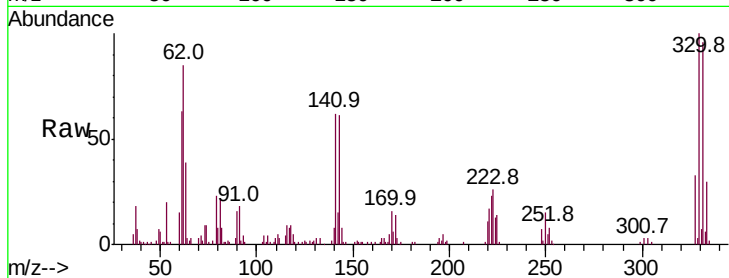




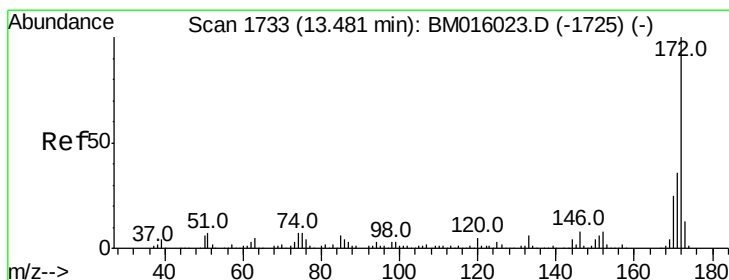
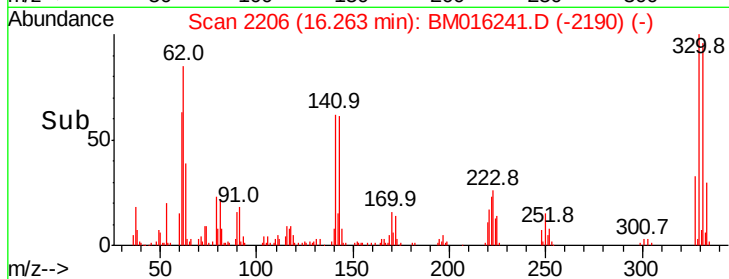
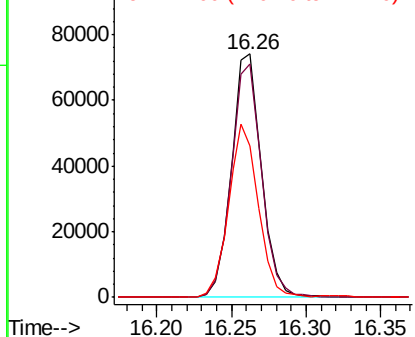
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016241.D
 Acq: 08 Aug 2018 05:56

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 104036
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 70.4 0.0 0.0#

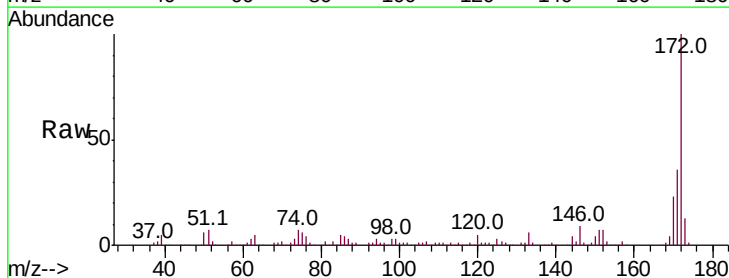


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

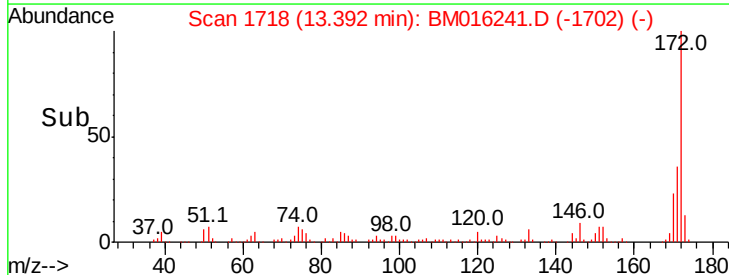
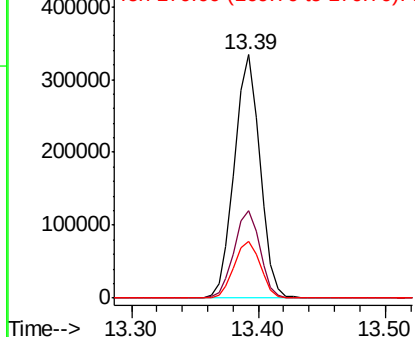


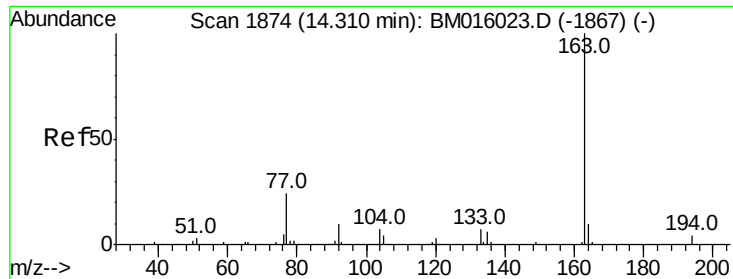
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016241.D
 Acq: 08 Aug 2018 05:56

Tgt Ion:172 Resp: 466471
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.5 42.7
 170 23.4 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





#49

Dimethylphthalate

Concen: 4.330 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM016241.D

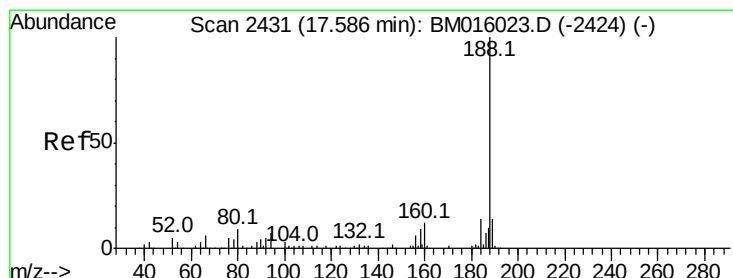
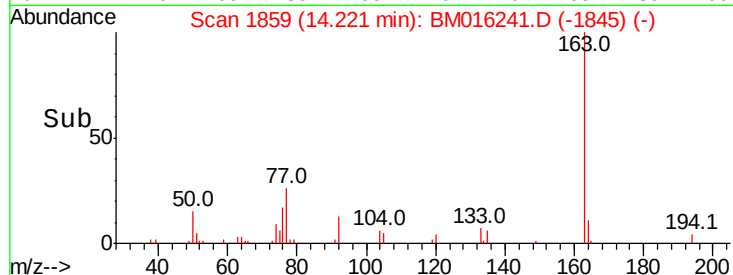
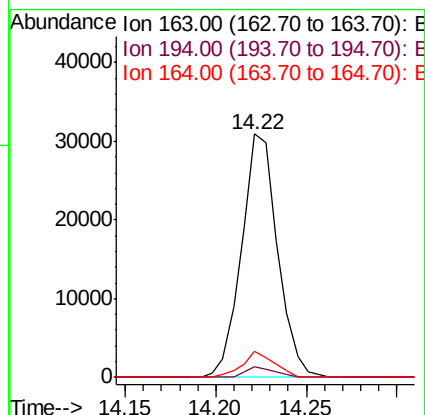
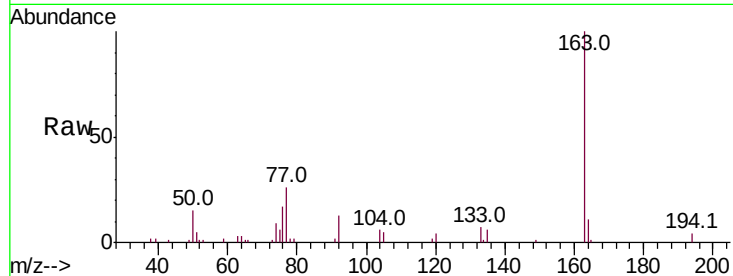
Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampleId :

Tot Ion:163	Resp:	42707
Ion Ratio	Lower	Upper
163	100	
194	4.2	2.7 4.1#
164	10.6	8.2 12.2



#63

Phenanthrene-d10

Concen: 20.000 ng

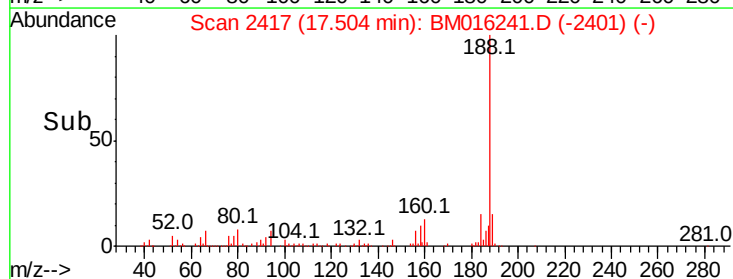
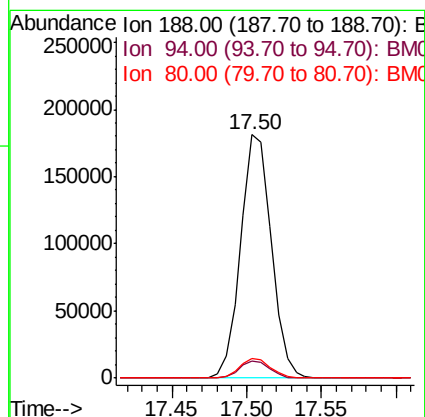
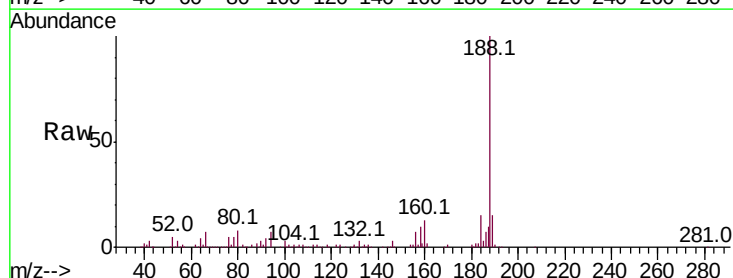
RT: 17.50 min Scan# 2417

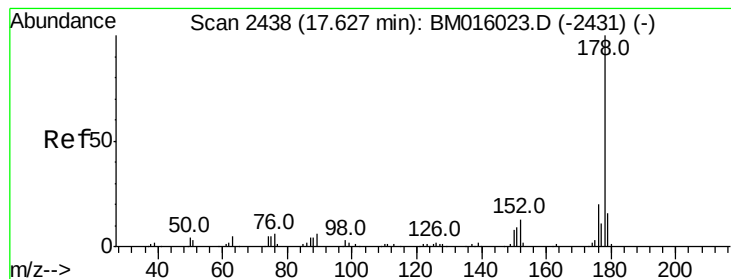
Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Tgt Ion:188	Resp:	258157
Ion Ratio	Lower	Upper
188	100	
94	7.0	8.7 13.1#
80	8.2	9.3 13.9#





#70

Phenanthrene

Concen: 4.704 ng

RT: 17.55 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampleId :

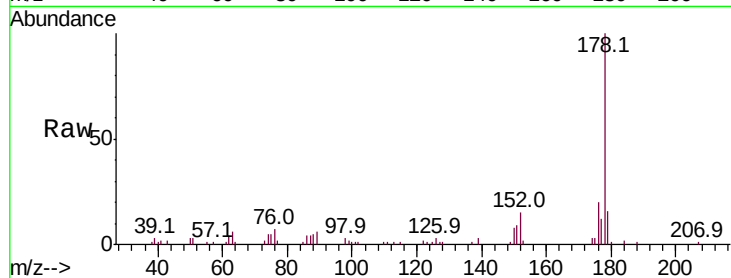
Tot Ion:178 Resp: 67988

Ion Ratio Lower Upper

178 100

176 20.3 15.2 22.8

179 16.1 12.1 18.1

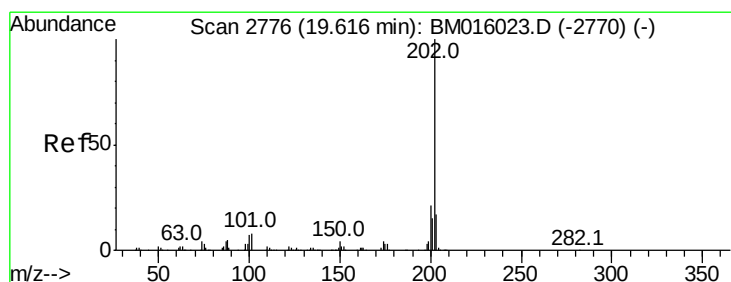
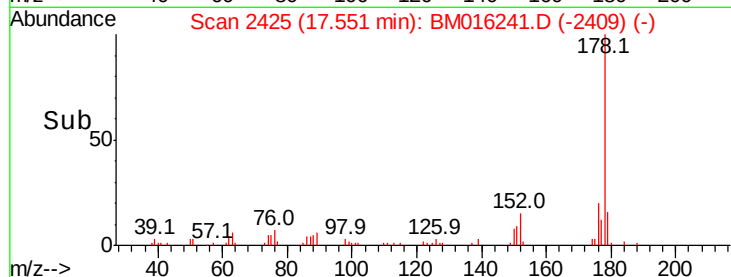
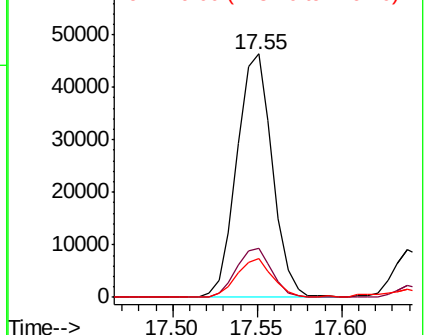


Abundance

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



#74

Fluoranthene

Concen: 6.495 ng

RT: 19.54 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

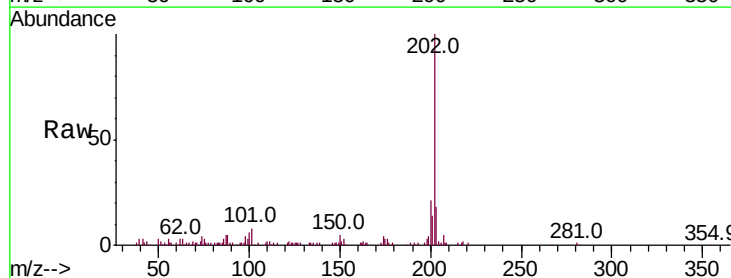
Tgt Ion:202 Resp: 104718

Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.7

203 17.8 0.0 37.2

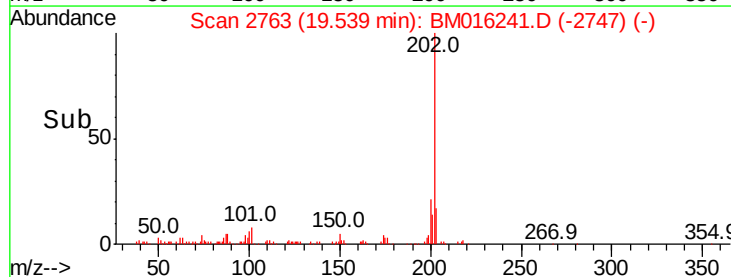
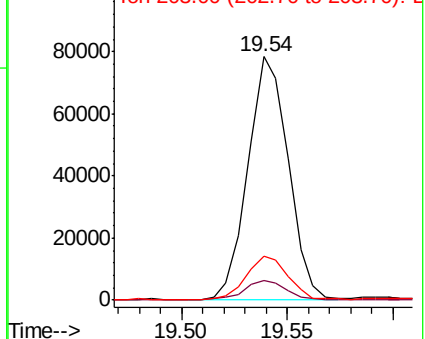


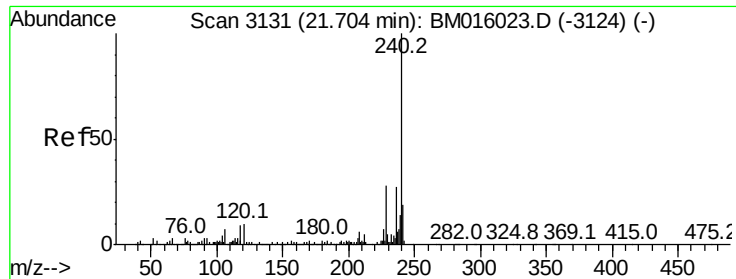
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM016241.D

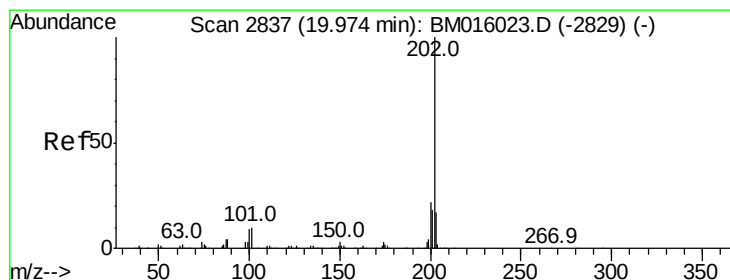
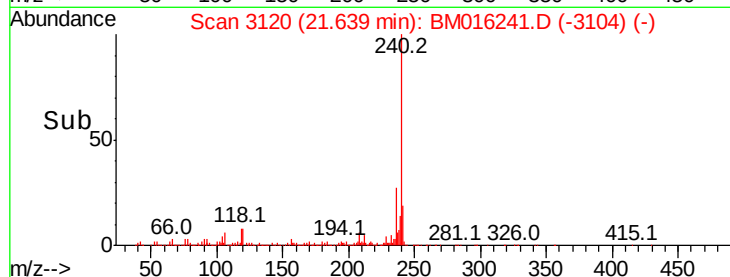
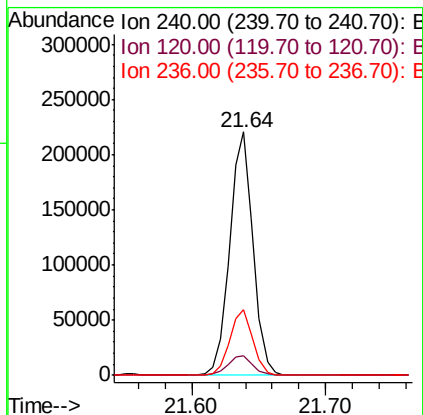
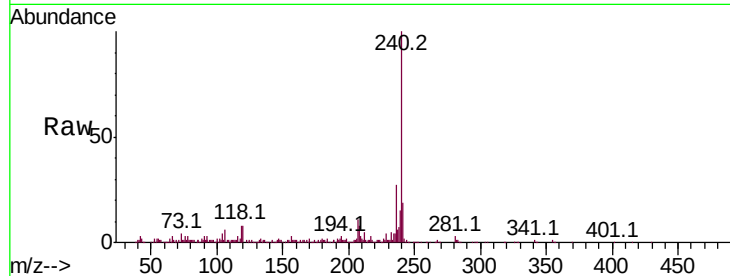
Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	240	Resp:	269332
Ion	Ratio	Lower	Upper
240	100		
120	8.0	8.2	12.2#
236	27.2	20.0	30.0



#77

Pyrene

Concen: 5.890 ng

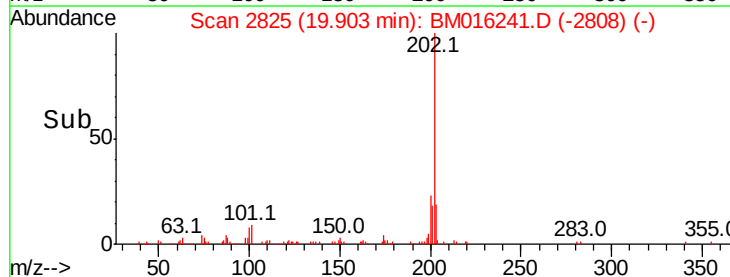
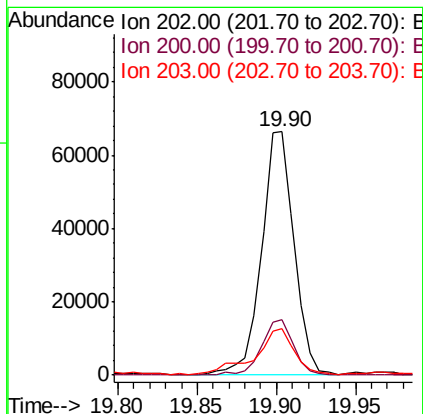
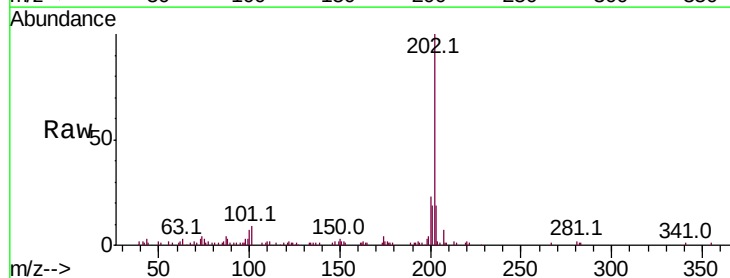
RT: 19.90 min Scan# 2825

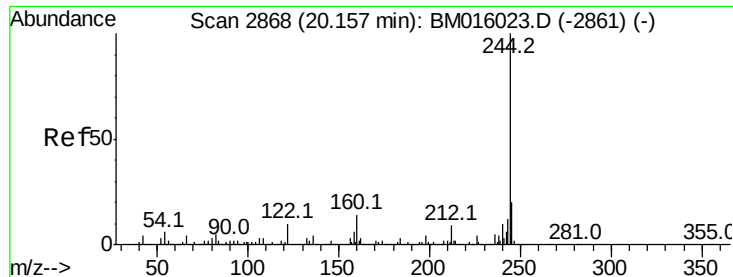
Delta R.T. -0.00 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Tgt Ion:	202	Resp:	95065
Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.9	25.3
203	19.3	14.1	21.1





#78

Terphenyl-d14

Concen: 5.890 ng

RT: 20.09 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampleId :

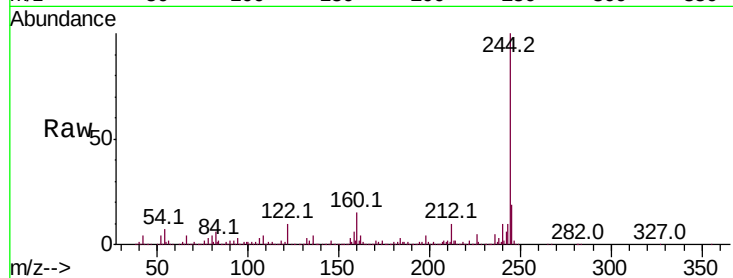
Tot Ion:244 Resp: 832561

Ion Ratio Lower Upper

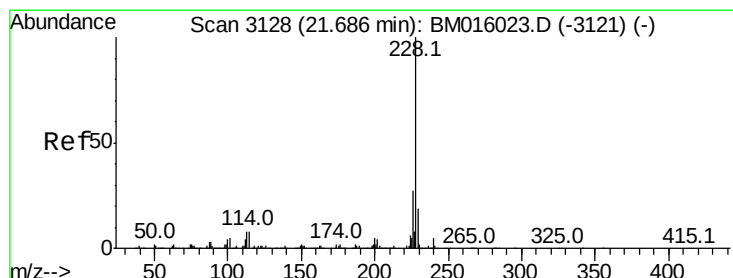
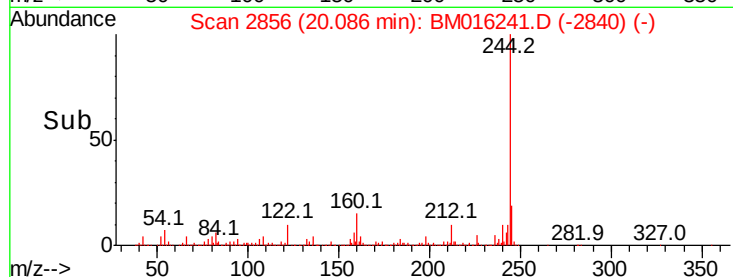
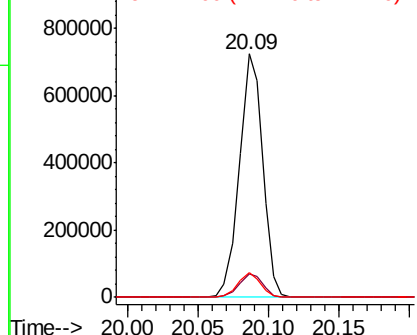
244 100

212 9.9 4.9 7.3#

122 10.1 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



#80

Benzo(a)anthracene

Concen: 3.564 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

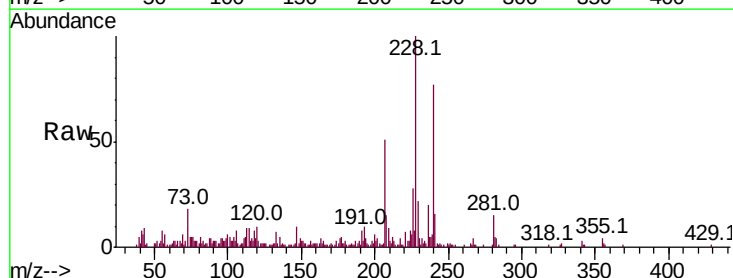
Tgt Ion:228 Resp: 59113

Ion Ratio Lower Upper

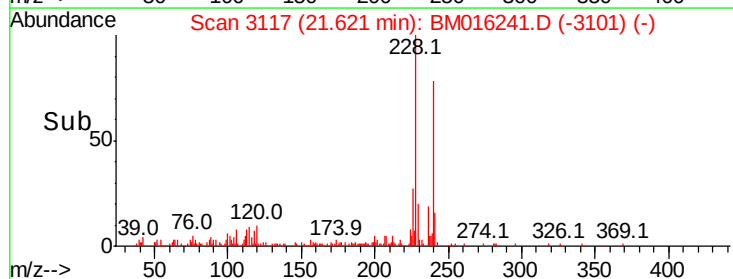
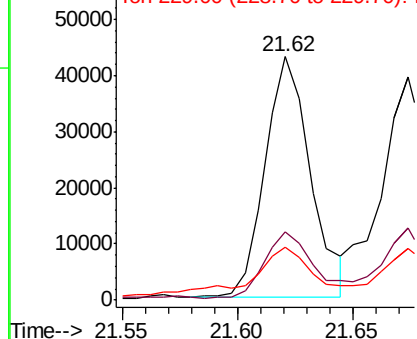
228 100

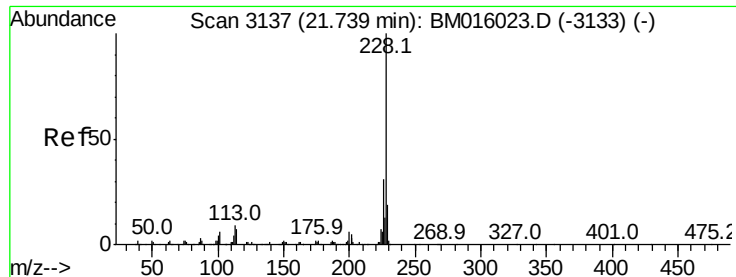
226 27.9 21.7 32.5

229 21.7 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: 3.669 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.06 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

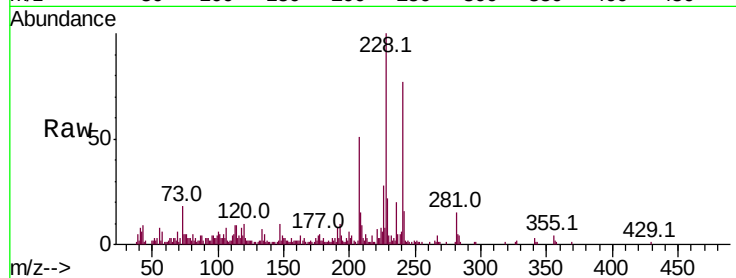
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 58390

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.1	36.1
229	21.7	15.5	23.3

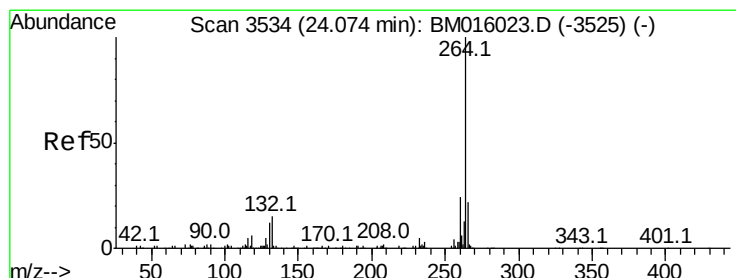
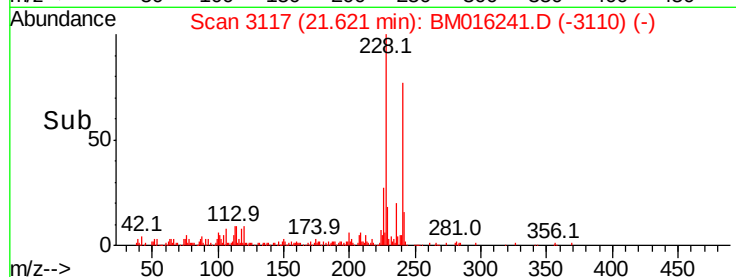
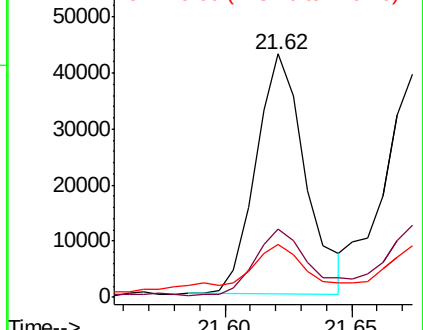


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.97 min Scan# 3517

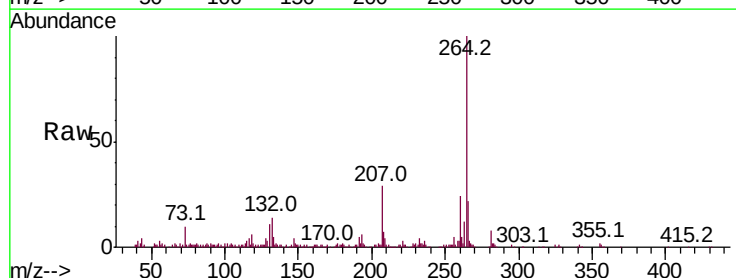
Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Tgt Ion:264 Resp: 237032

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	27.8
265	21.8	17.3	25.9

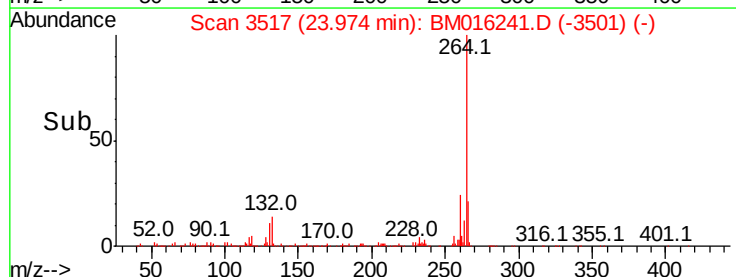
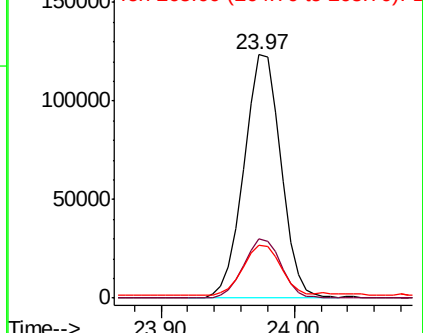


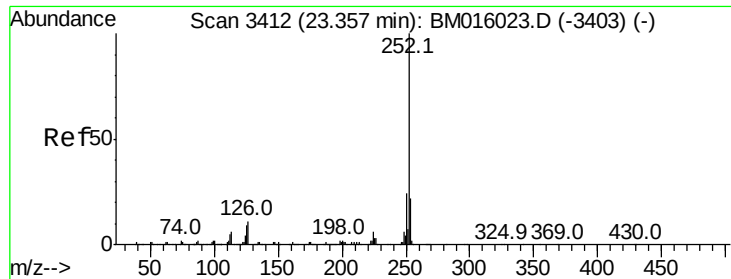
Abundance

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: 4.354 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.00 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampleId :

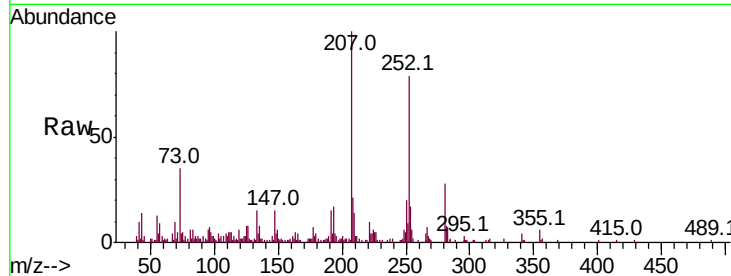
Tot Ion:252 Resp: 60769

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

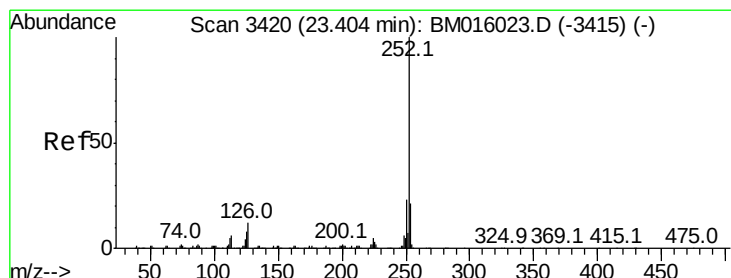
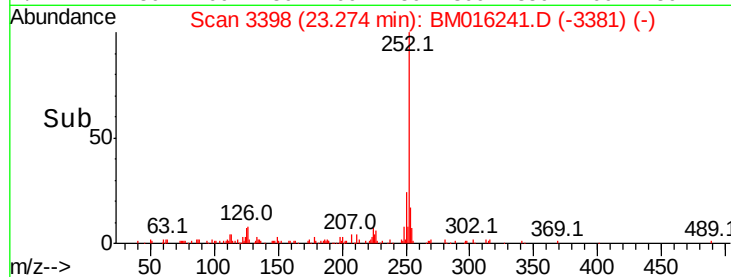
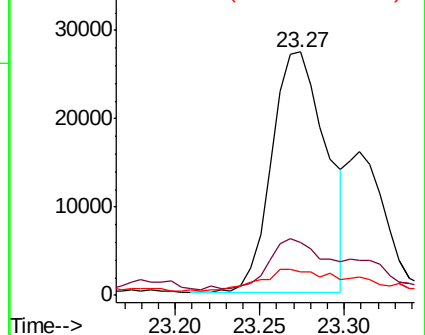
125 9.8 9.9 14.9#



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: 4.243 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.05 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

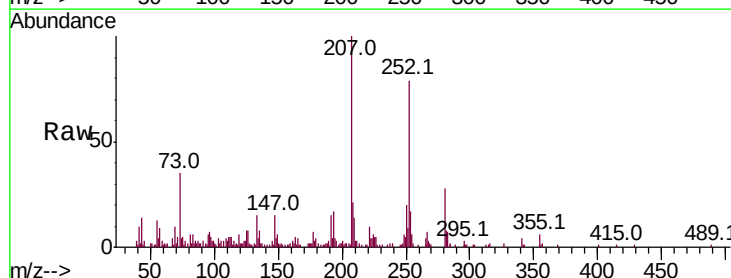
Tgt Ion:252 Resp: 60014

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

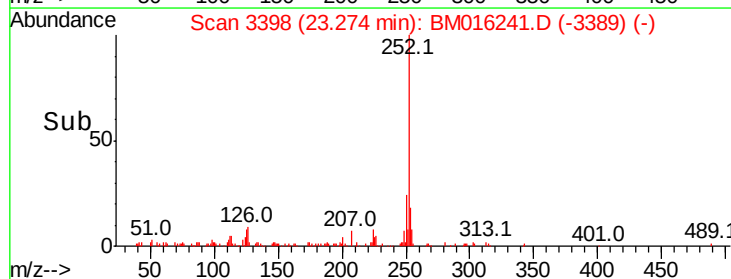
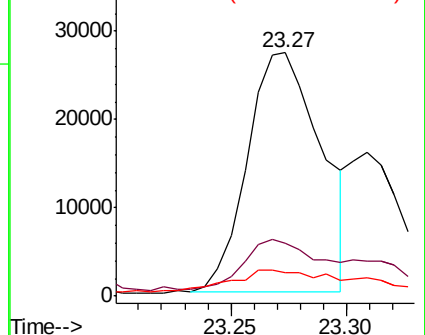
125 9.8 8.1 12.1

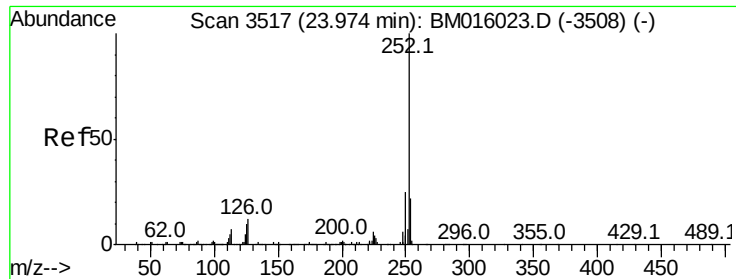


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.157 ng

RT: 23.87 min Scan# 3500

Delta R.T. -0.01 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

Instrument :

BNA_M

ClientSampled :

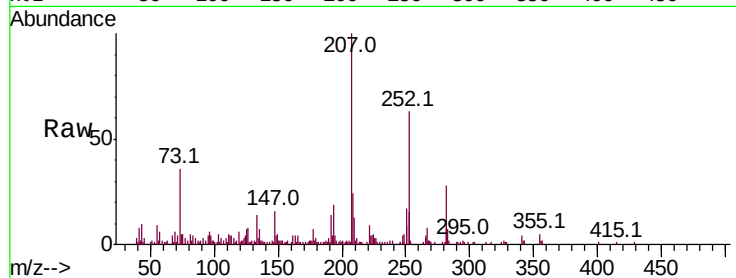
Tot Ion:252 Resp: 42356

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

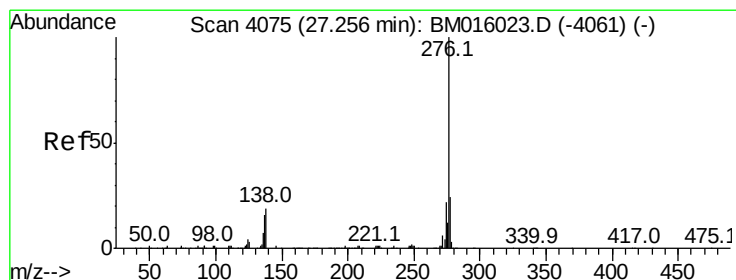
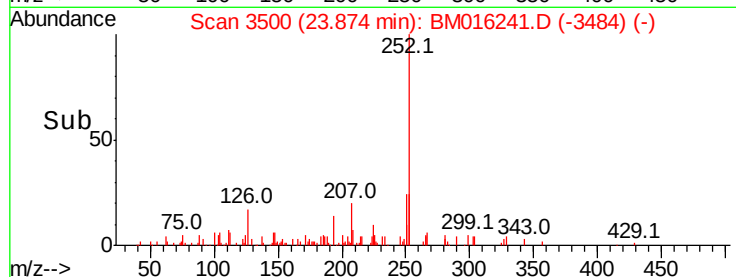
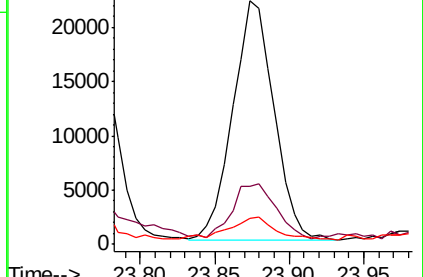
125 10.5 7.4 11.2



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



#91

Benzo(g,h,i)perylene

Concen: 2.104 ng

RT: 27.09 min Scan# 4047

Delta R.T. -0.02 min

Lab File: BM016241.D

Acq: 08 Aug 2018 05:56

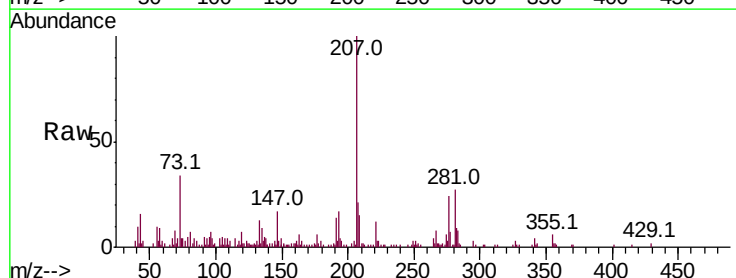
Tgt Ion:276 Resp: 27661

Ion Ratio Lower Upper

276 100

277 27.1 18.5 27.7

138 22.0 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

