

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016239.D
 Acq On : 08 Aug 2018 04:44
 Operator : SJ/JU
 Sample : J4310-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 06:50:55 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

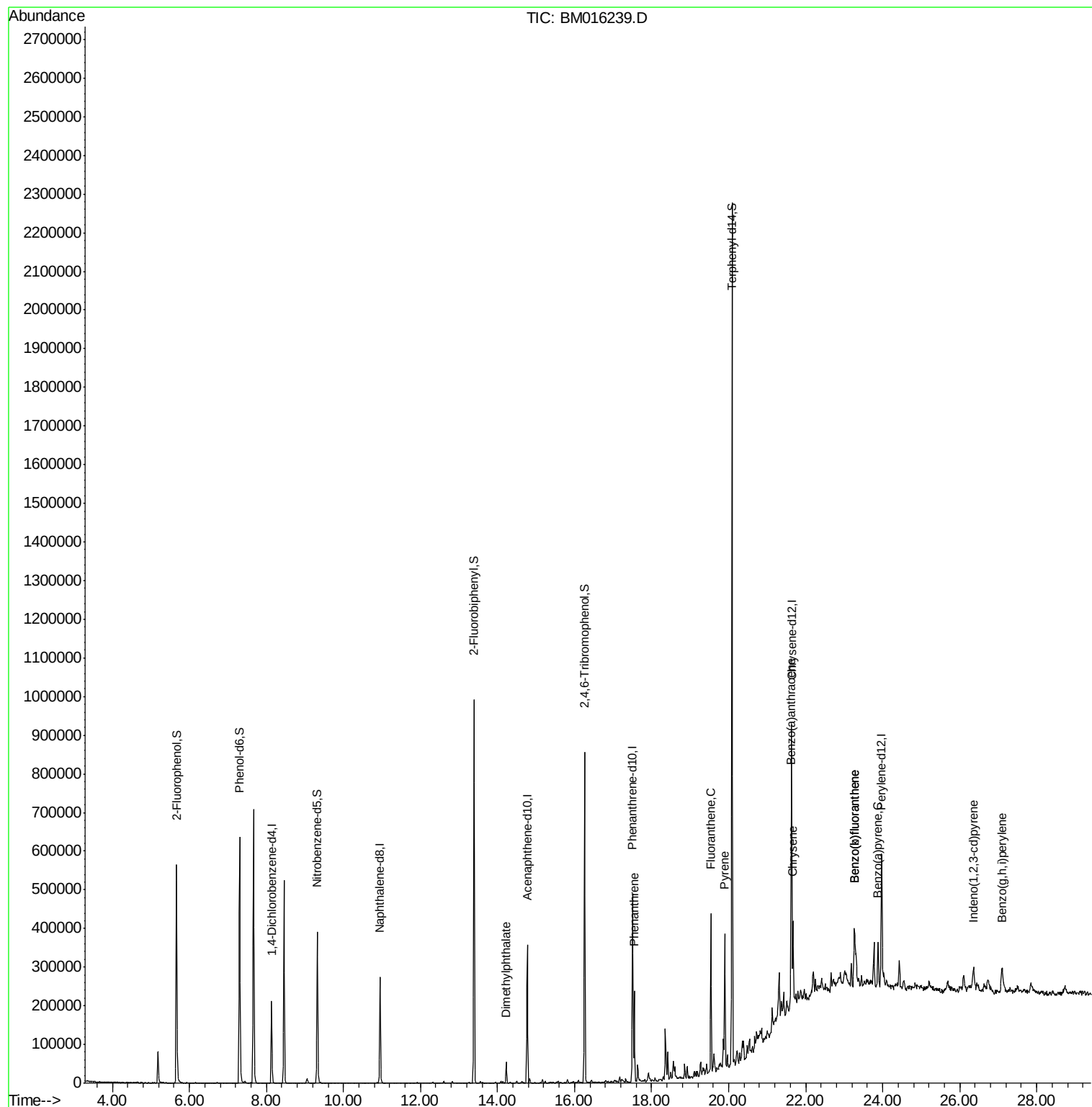
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	46465	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	187216	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	104003	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	236825	20.00	ng	0.00
75) Chrysene-d12	21.64	240	250006	20.00	ng	0.00
86) Perylene-d12	23.98	264	216402	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	204720	73.19	ng	0.00
7) Phenol-d6	7.30	99	266583	72.98	ng	0.00
23) Nitrobenzene-d5	9.32	82	193574	48.09	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	91991	69.74	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	404147	47.28	ng	0.00
78) Terphenyl-d14	20.09	244	728978	61.04	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.23	163	30266	3.325	ng	98
70) Phenanthrene	17.55	178	122876	9.267	ng	99
74) Fluoranthene	19.54	202	207132	14.005	ng	98
77) Pyrene	19.90	202	185628	12.390	ng	100
80) Benzo(a)anthracene	21.62	228	106995	6.949	ng	96
82) Chrysene	21.67	228	96747	6.550	ng	96
85) Indeno(1,2,3-cd)pyrene	26.36	276	49428	2.820	ng	# 93
87) Benzo(b)fluoranthene	23.27	252	106561	8.363	ng	# 95
88) Benzo(k)fluoranthene	23.27	252	104543	8.096	ng	96
89) Benzo(a)pyrene	23.88	252	76863	6.275	ng	99
91) Benzo(g,h,i)perylene	27.10	276	46537	3.877	ng	# 88

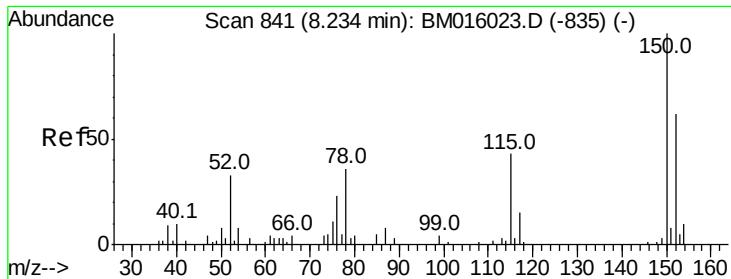
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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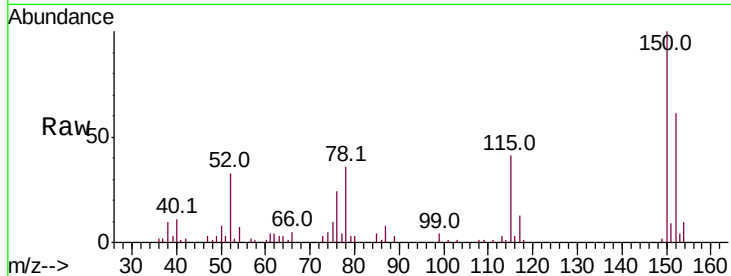


#1

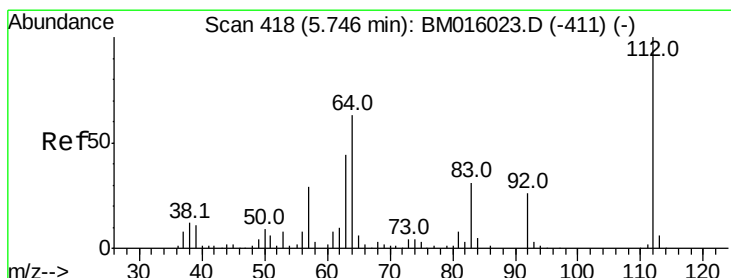
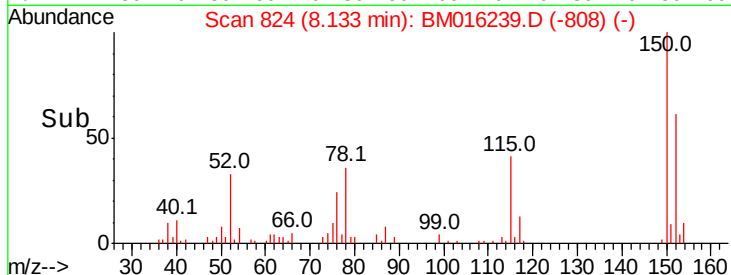
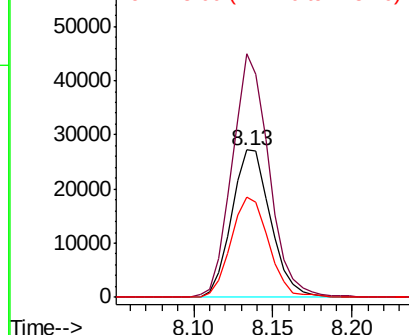
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 46465
Ion Ratio Lower Upper
152 100
150 165.1 119.5 179.3
115 68.0 43.0 64.4#



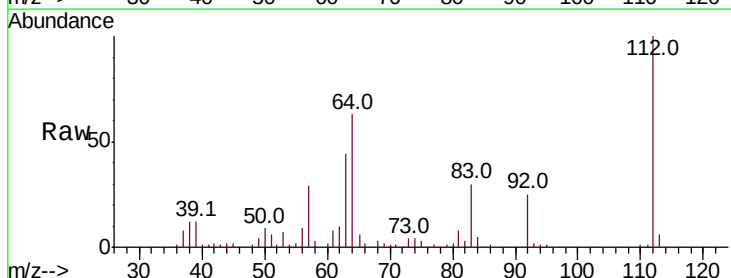
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



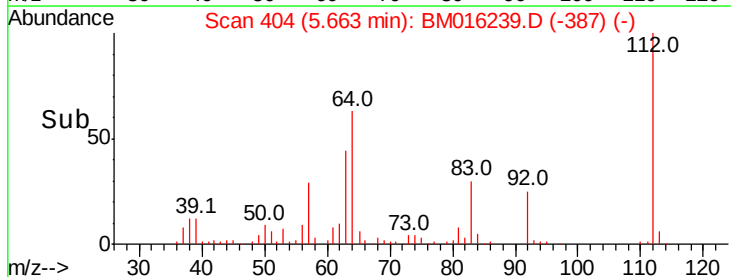
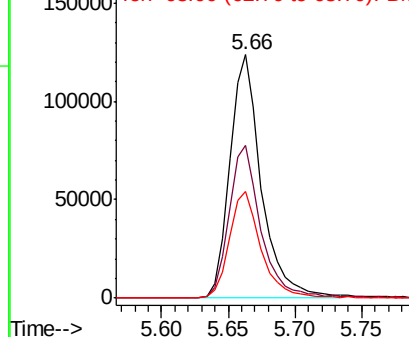
#5

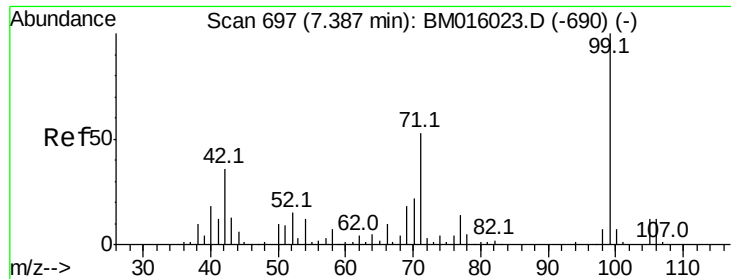
2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion:112 Resp: 204720
Ion Ratio Lower Upper
112 100
64 63.0 38.6 57.8#
63 43.7 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: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampleId :

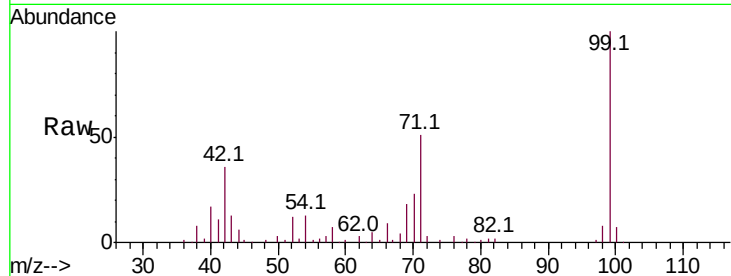
Tot Ion: 99 Resp: 266583

Ion Ratio Lower Upper

99 100

42 35.5 11.0 16.4#

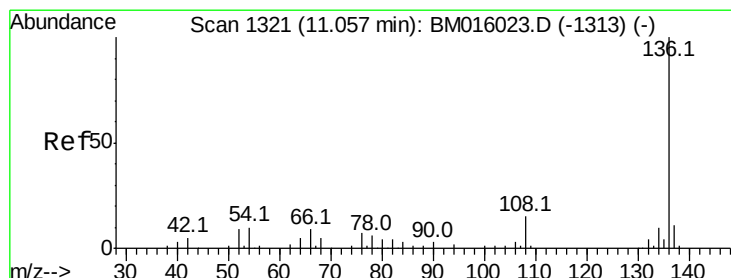
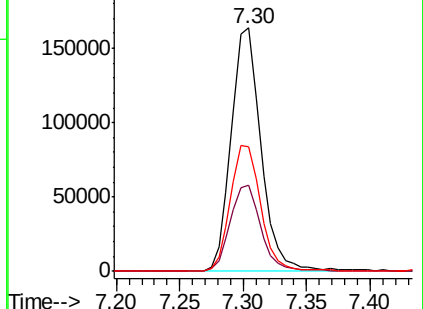
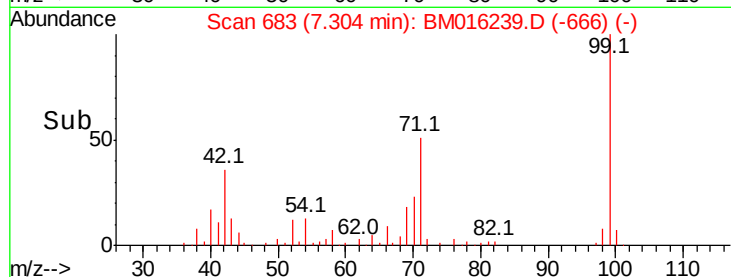
71 51.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016239.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016239.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016239.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Tgt Ion: 136 Resp: 187216

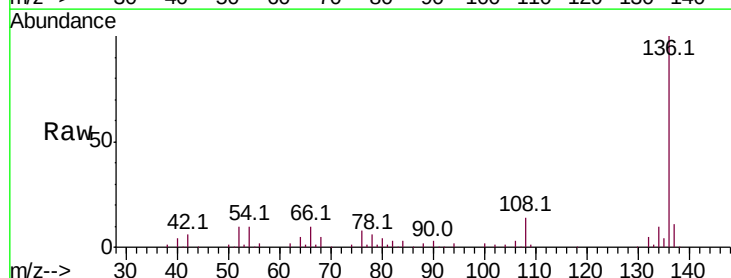
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.9 4.6 6.8#

68 4.6 3.7 5.5

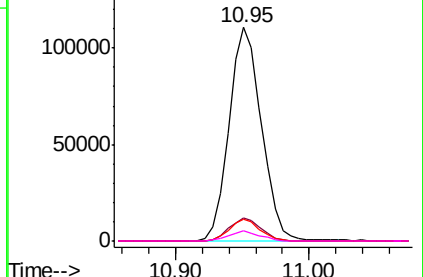
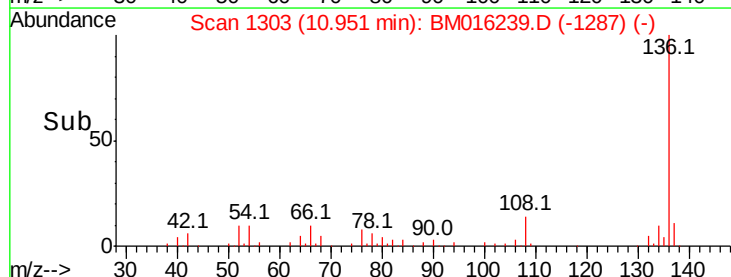


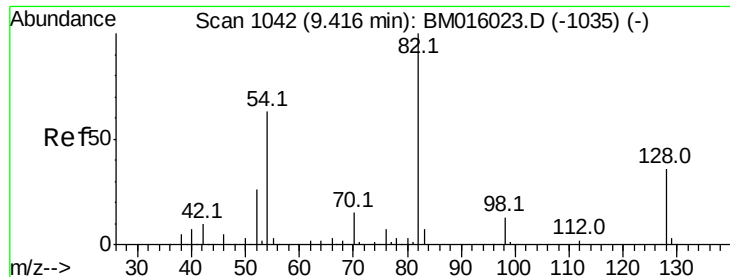
Abundance Ion 136.00 (135.70 to 136.70): BM016239.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016239.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016239.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016239.D (-1287) (-)

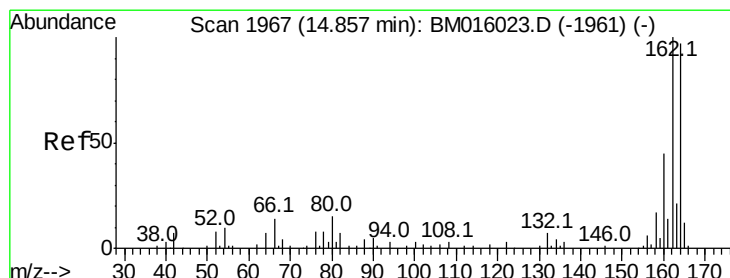
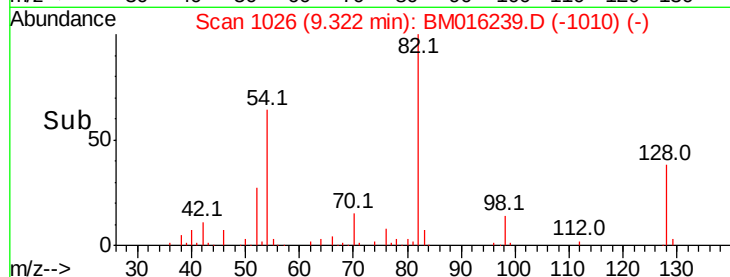
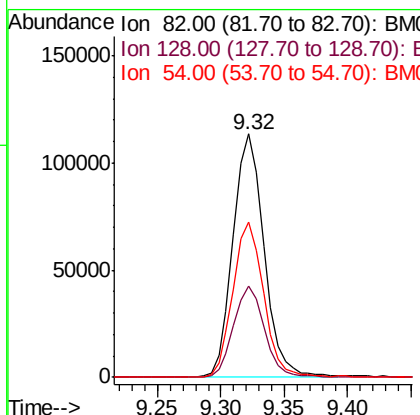
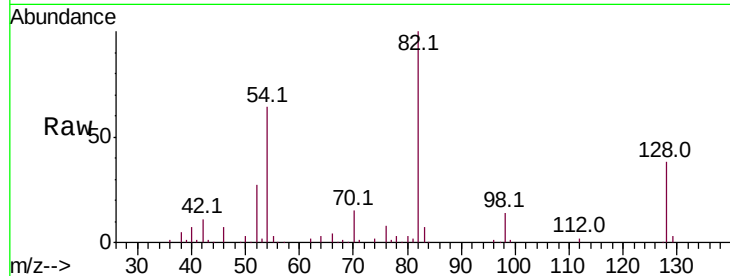




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

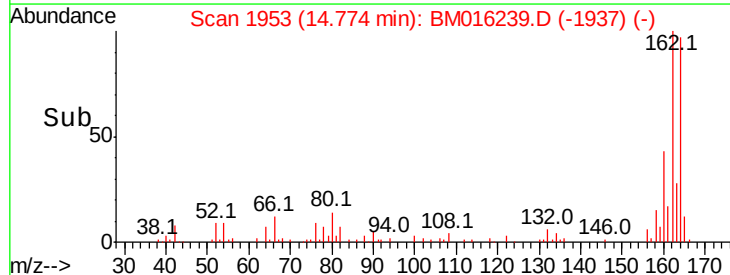
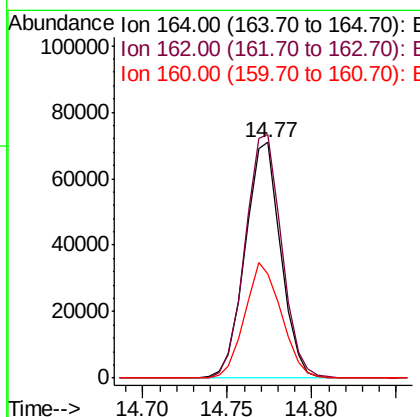
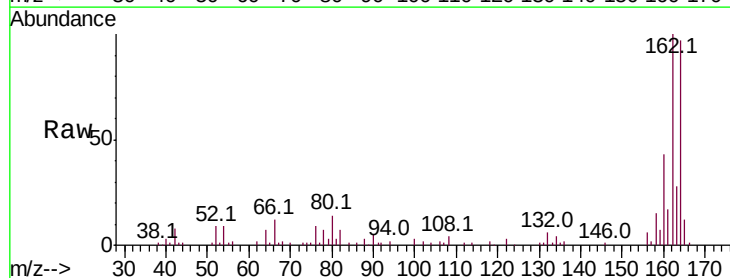
Instrument :
 BNA_M
 ClientSampled :

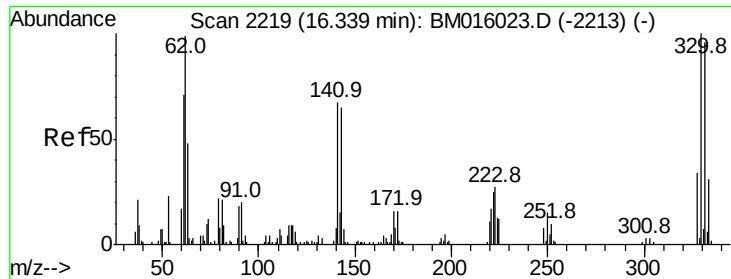
Tot Ion: 82 Resp: 193574
 Ion Ratio Lower Upper
 82 100
 128 37.6 32.8 49.2
 54 63.9 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Tgt Ion: 164 Resp: 104003
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.4 123.6
 160 44.1 35.8 53.6

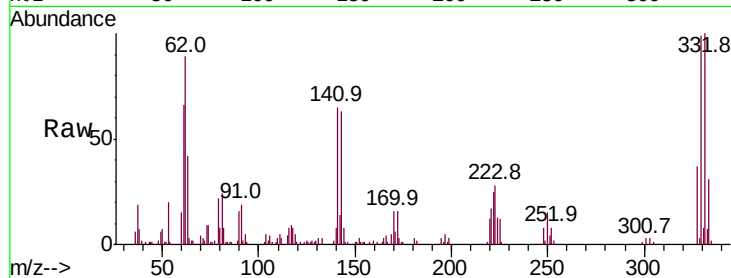




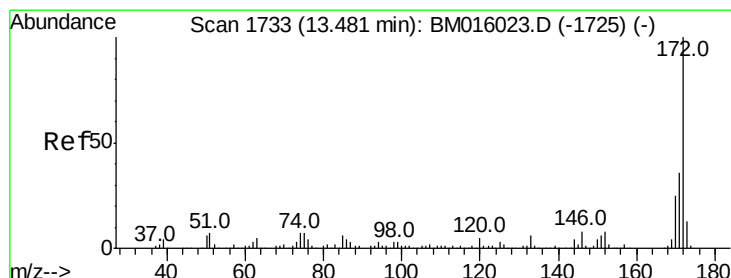
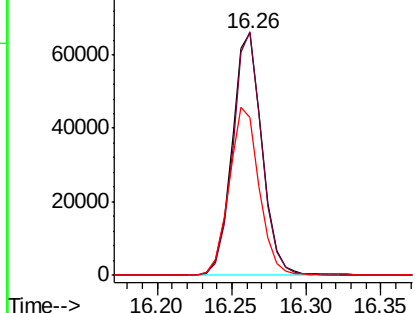
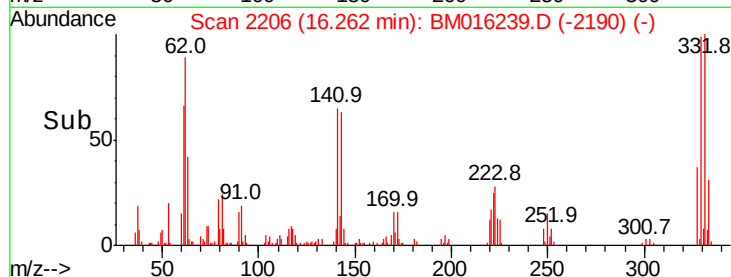
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	70.1	0.0	0.0#

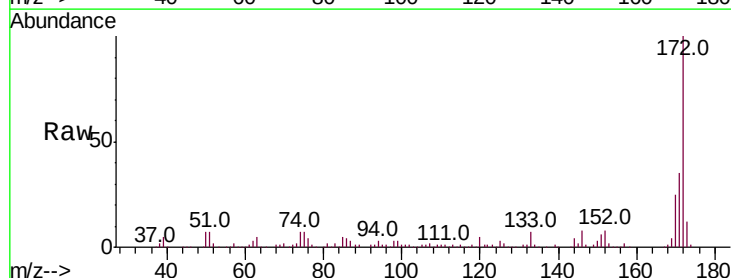


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

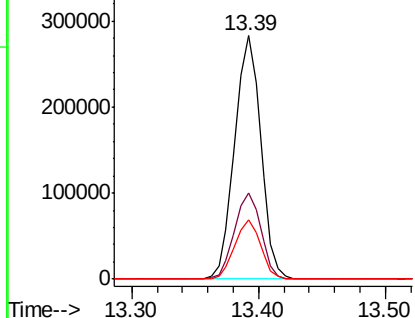
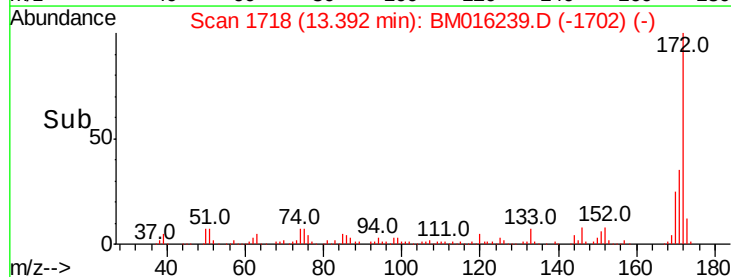


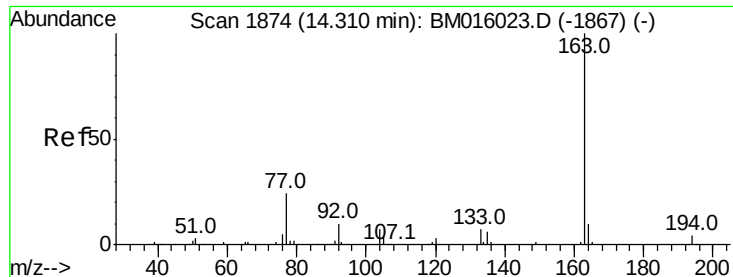
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.6	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: 3.325 ng

RT: 14.23 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampled :

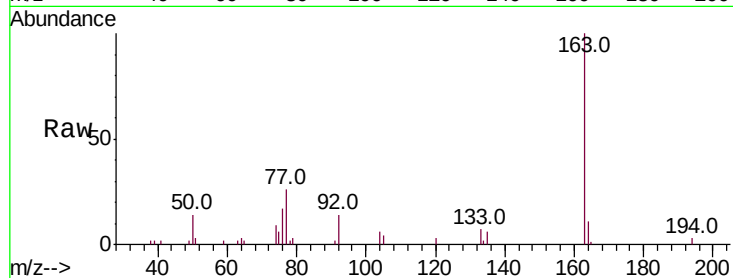
Tot Ion:163 Resp: 30266

Ion Ratio Lower Upper

163 100

194 2.9 2.7 4.1

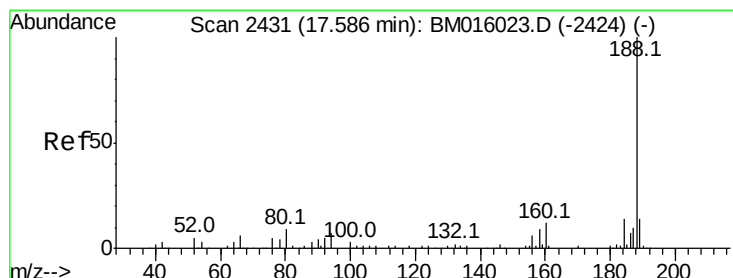
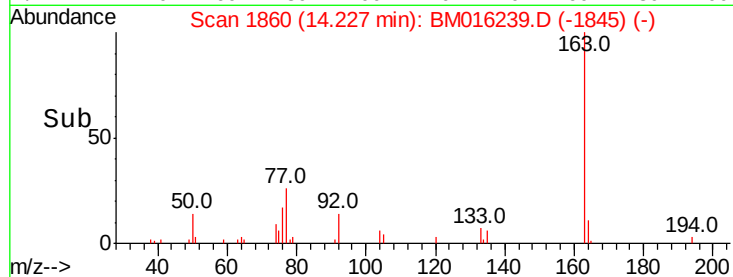
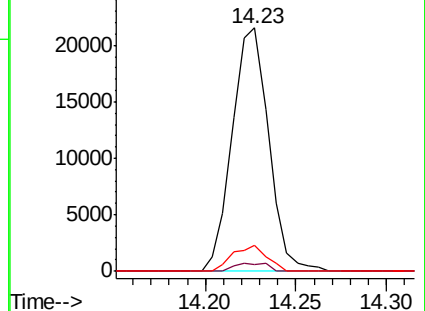
164 10.8 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

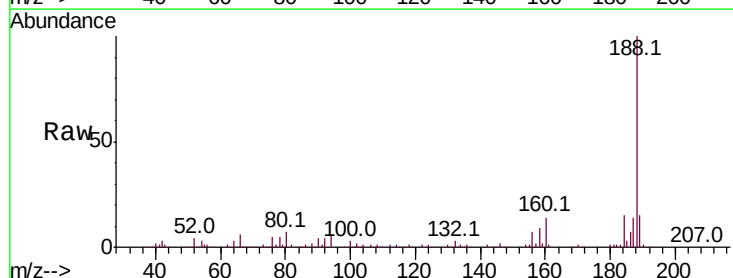
Tgt Ion:188 Resp: 236825

Ion Ratio Lower Upper

188 100

94 6.3 8.7 13.1#

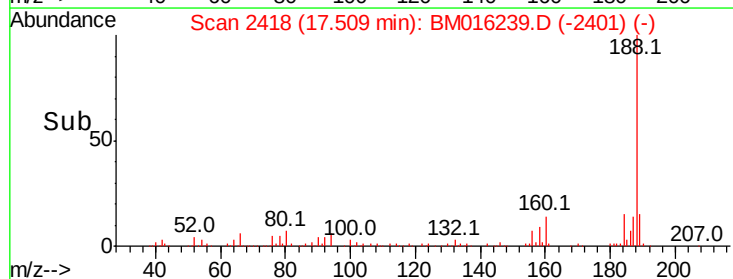
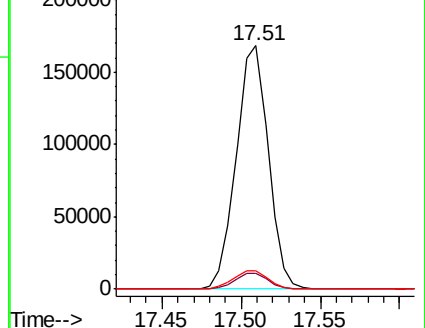
80 7.5 9.3 13.9#

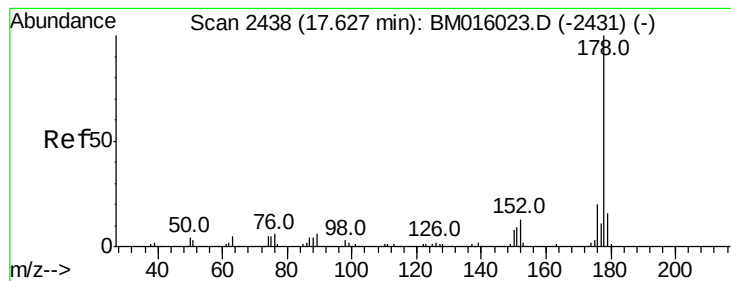


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 9.267 ng

RT: 17.55 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampleId :

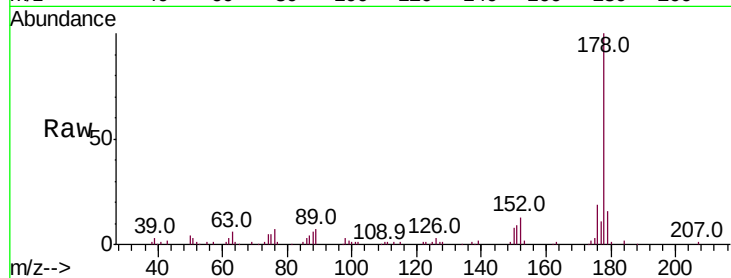
Tot Ion:178 Resp: 122876

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

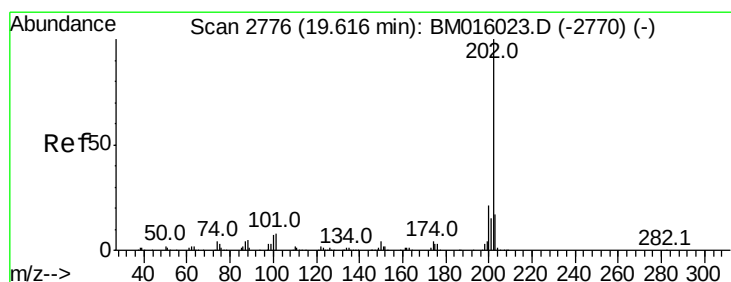
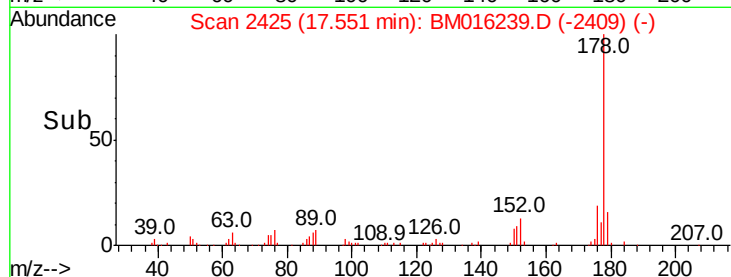
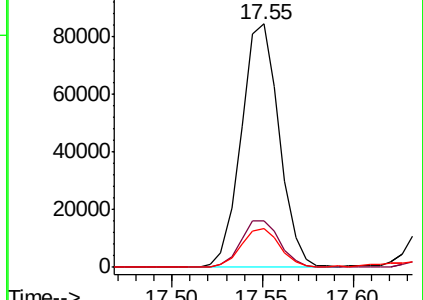
179 15.7 12.1 18.1



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: 14.005 ng

RT: 19.54 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

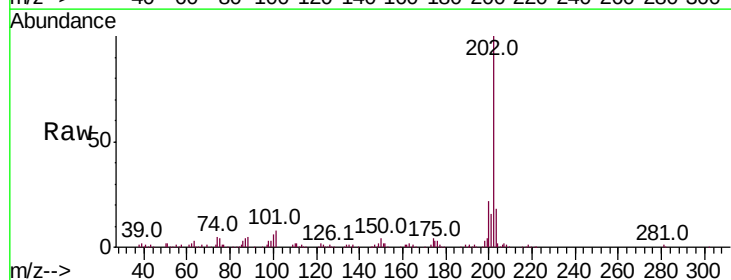
Tgt Ion:202 Resp: 207132

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.7

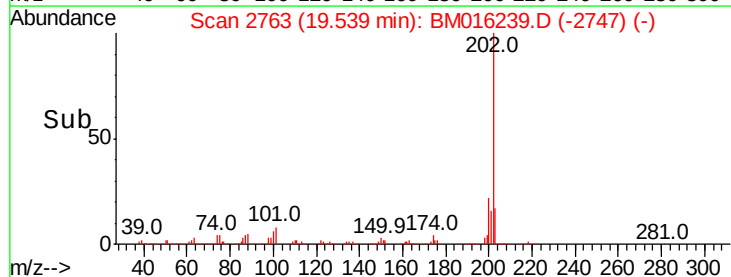
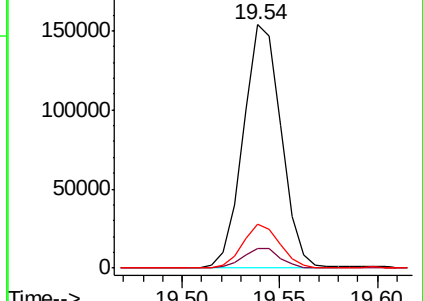
203 17.8 0.0 37.2

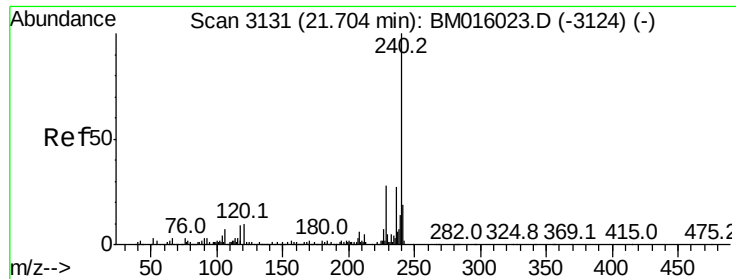


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampled :

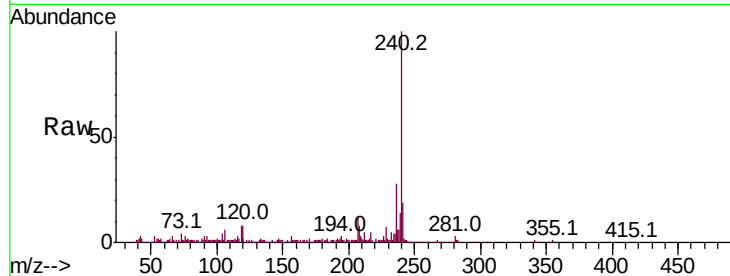
Tot Ion:240 Resp: 250006

Ion Ratio Lower Upper

240 100

120 7.6 8.2 12.2#

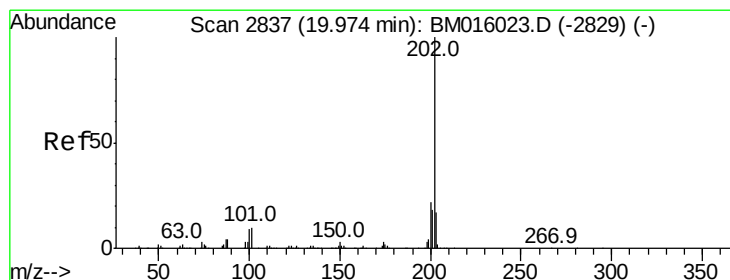
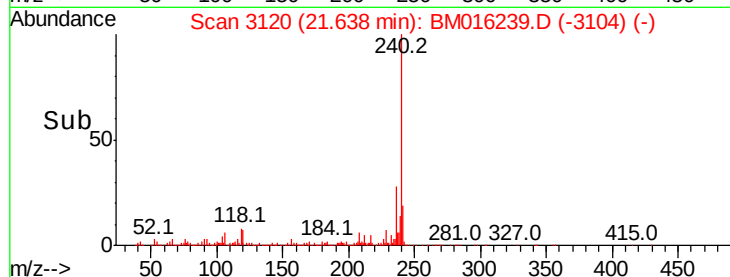
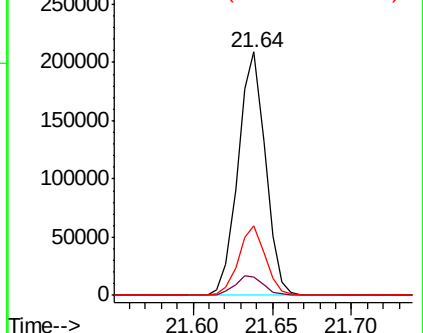
236 28.4 20.0 30.0



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



#77

Pyrene

Concen: 12.390 ng

RT: 19.90 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

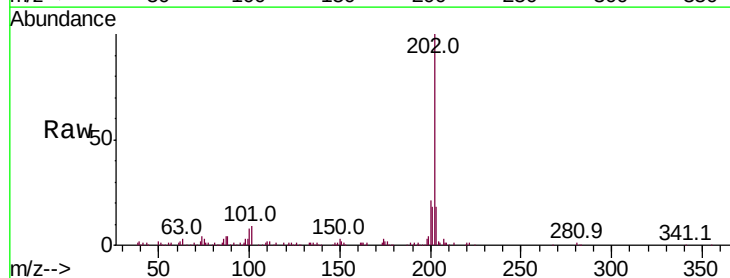
Tgt Ion:202 Resp: 185628

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

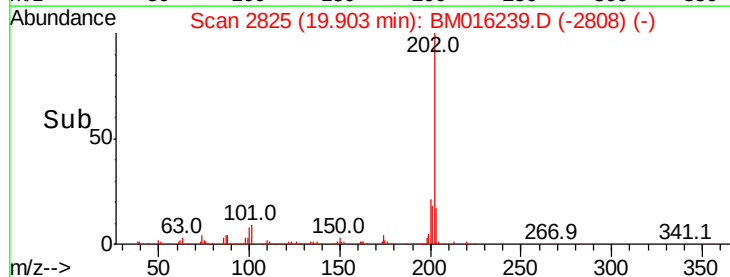
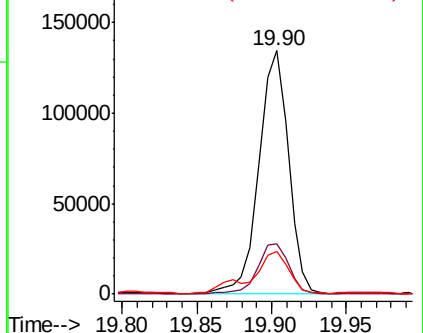
203 17.5 14.1 21.1

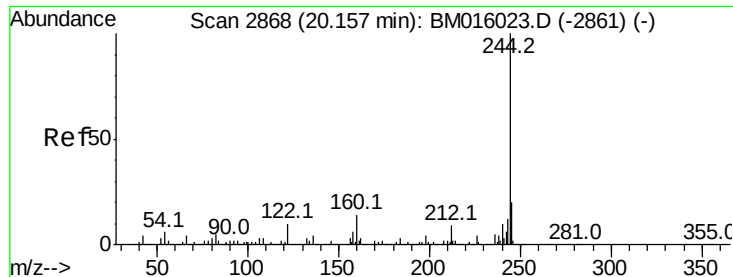


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.390 ng

RT: 20.09 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampleId :

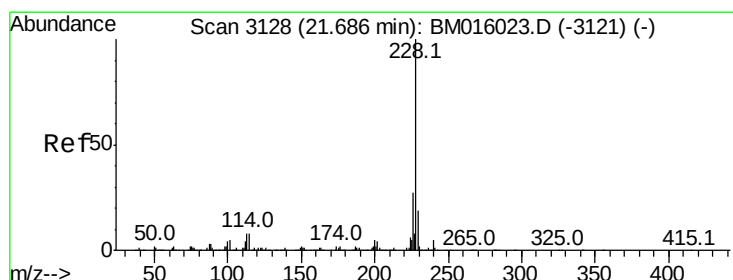
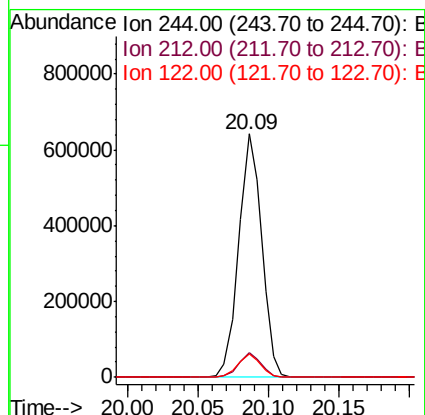
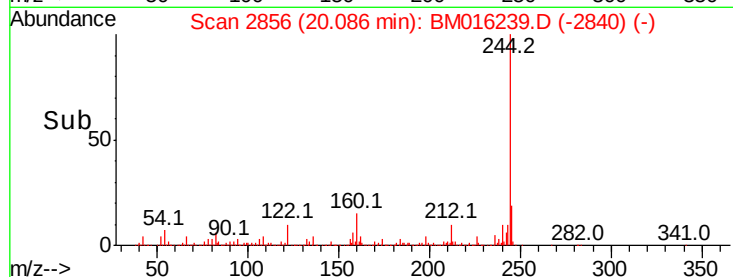
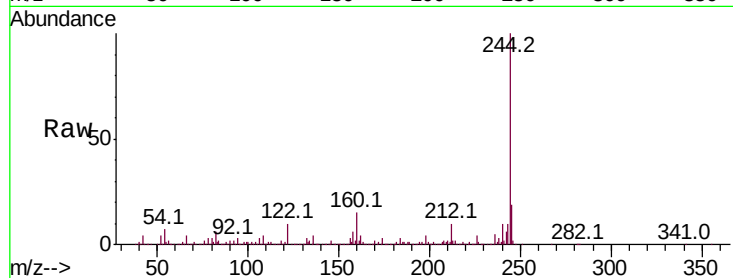
Tot Ion:244 Resp: 728978

Ion Ratio Lower Upper

244 100

212 10.1 4.9 7.3#

122 9.6 6.2 9.4#



#80

Benzo(a)anthracene

Concen: 6.949 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

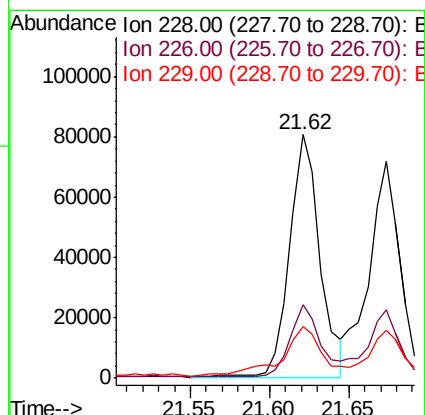
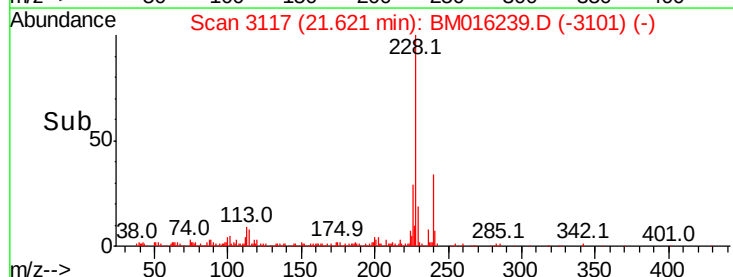
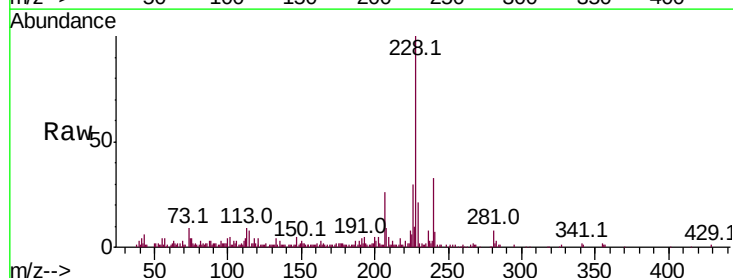
Tgt Ion:228 Resp: 106995

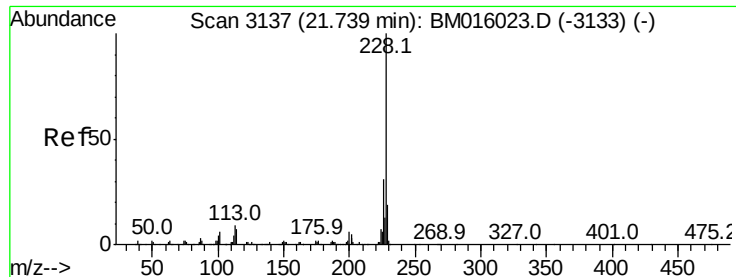
Ion Ratio Lower Upper

228 100

226 30.2 21.7 32.5

229 21.0 16.0 24.0

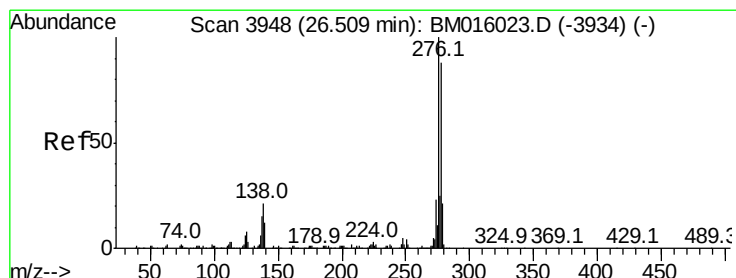
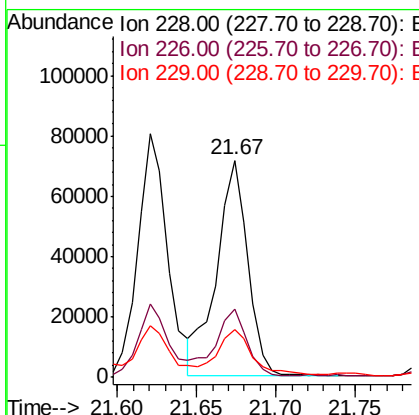
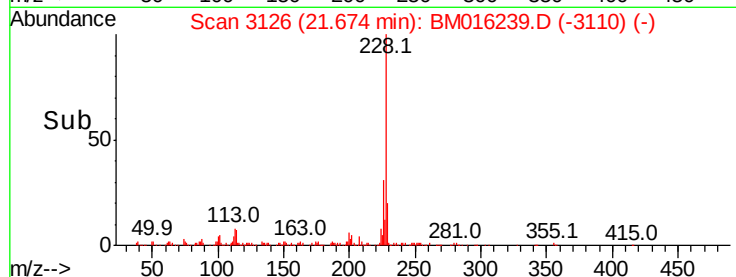
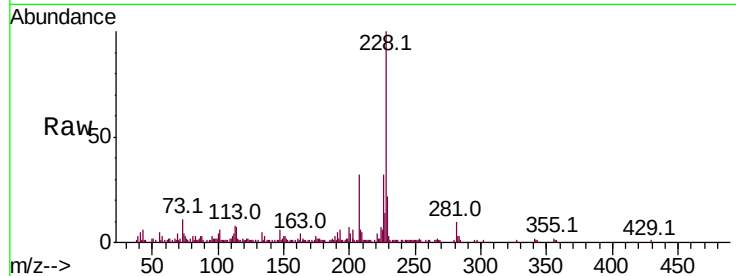




#82
Chrysene
Concen: 6.550 ng
RT: 21.67 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

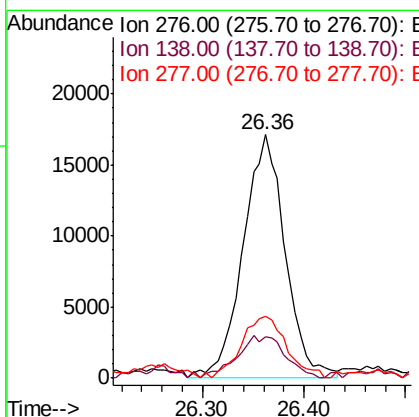
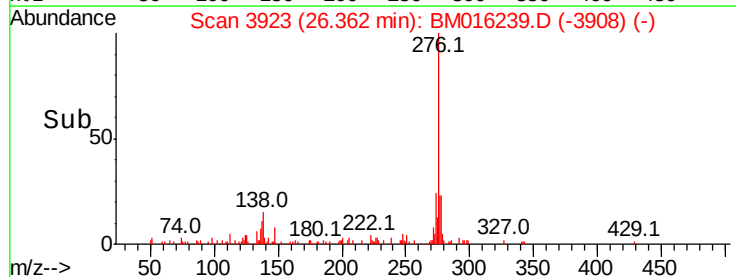
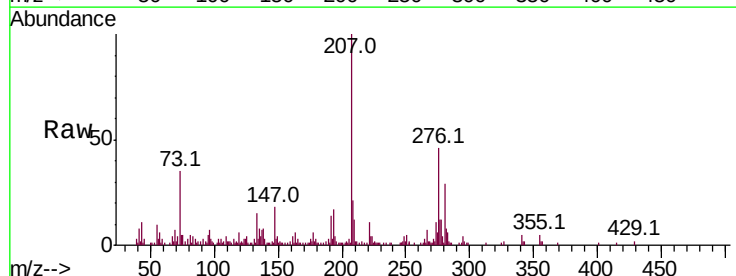
Instrument :
BNA_M
ClientSampleId :

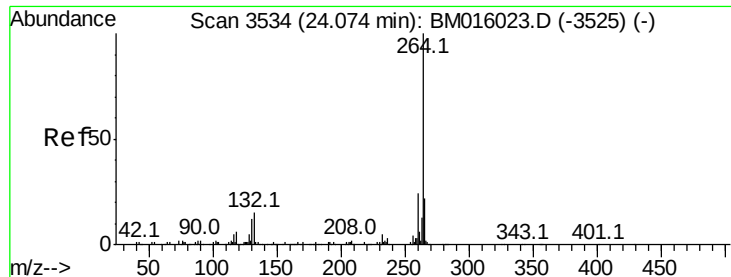
Tot Ion:228 Resp: 96747
Ion Ratio Lower Upper
228 100
226 31.6 24.1 36.1
229 22.3 15.5 23.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.820 ng
RT: 26.36 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion:276 Resp: 49428
Ion Ratio Lower Upper
276 100
138 20.0 12.0 18.0#
277 27.4 20.0 30.0





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.98 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampled :

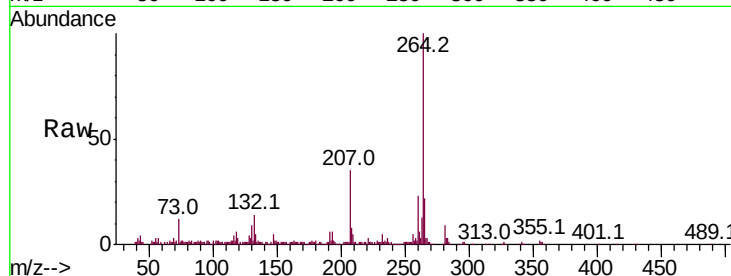
Tot Ion:264 Resp: 216402

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

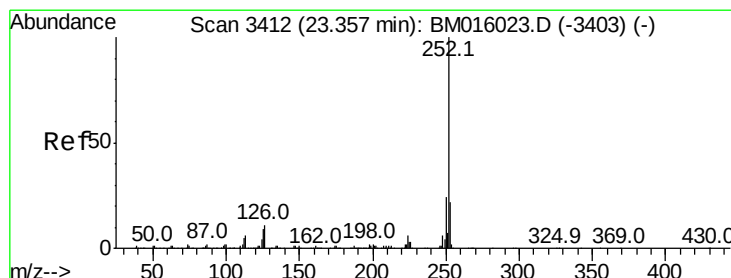
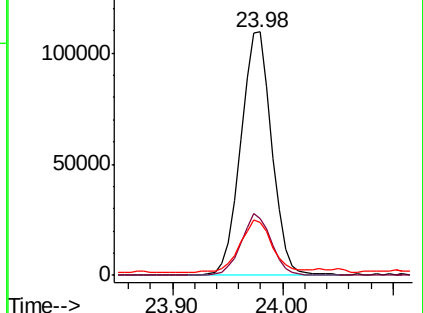
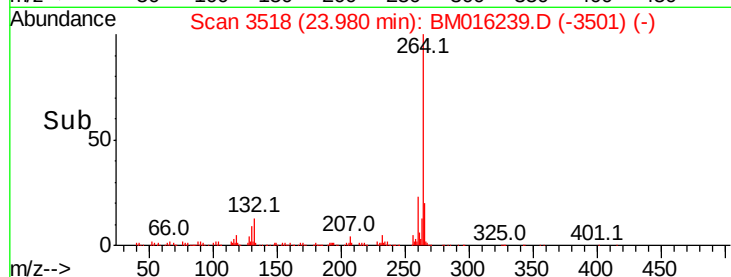
265 21.7 17.3 25.9



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: 8.363 ng

RT: 23.27 min Scan# 3397

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

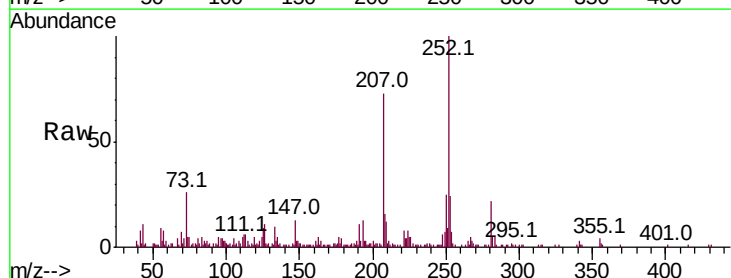
Tgt Ion:252 Resp: 106561

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

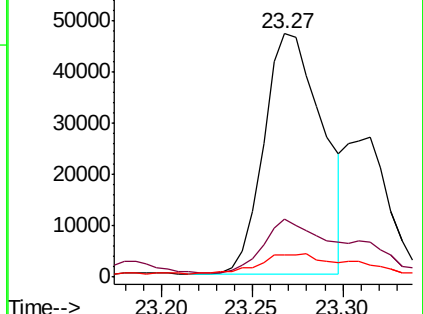
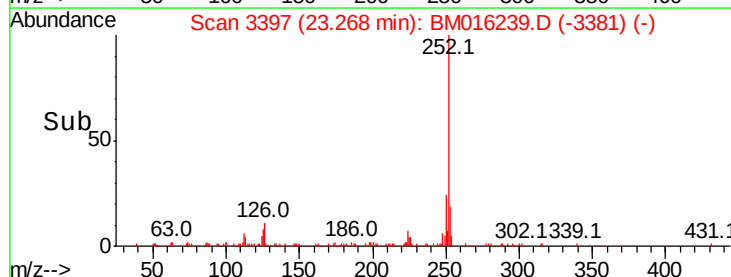
125 9.0 9.9 14.9#

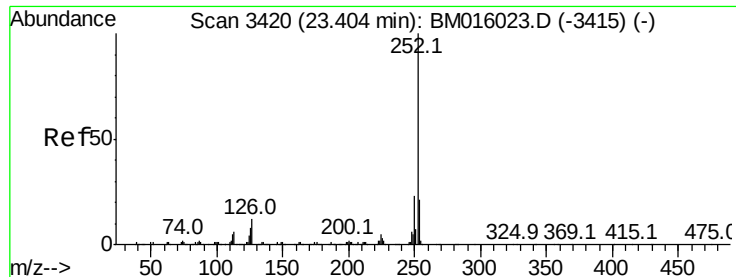


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 8.096 ng

RT: 23.27 min Scan# 3397

Delta R.T. -0.05 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampleId :

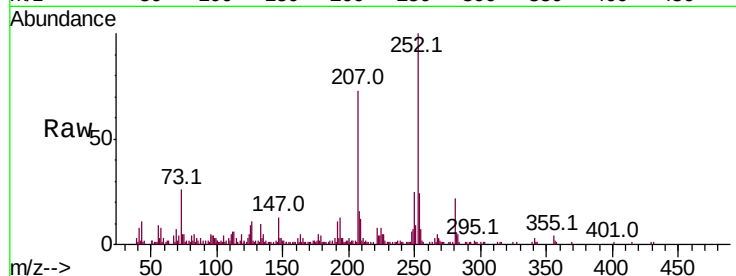
Tot Ion:252 Resp: 104543

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

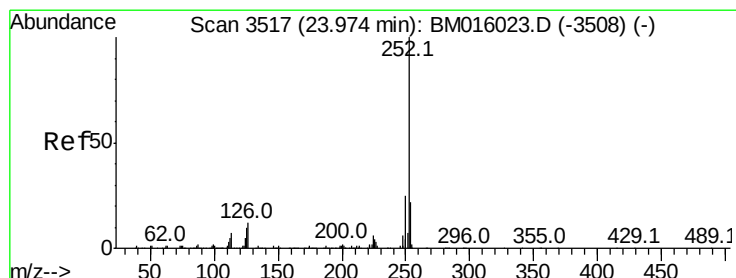
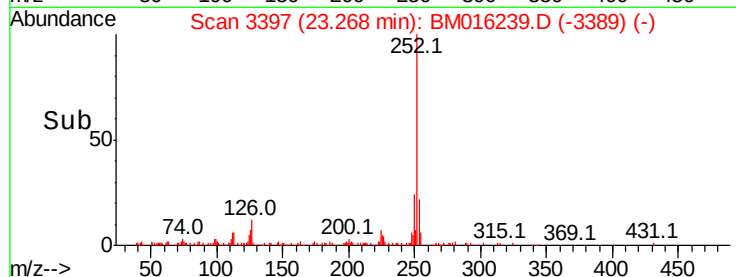
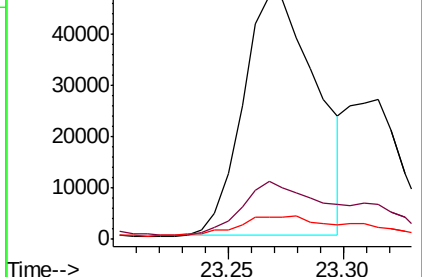
125 9.0 8.1 12.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 6.275 ng

RT: 23.88 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

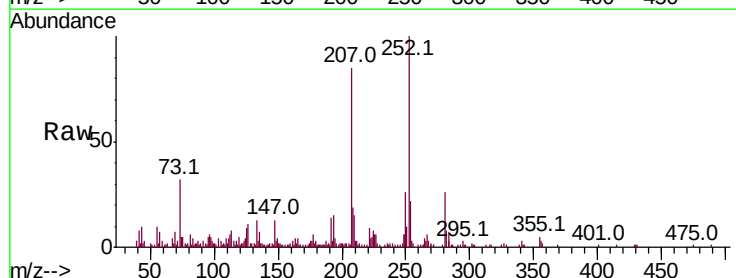
Tgt Ion:252 Resp: 76863

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

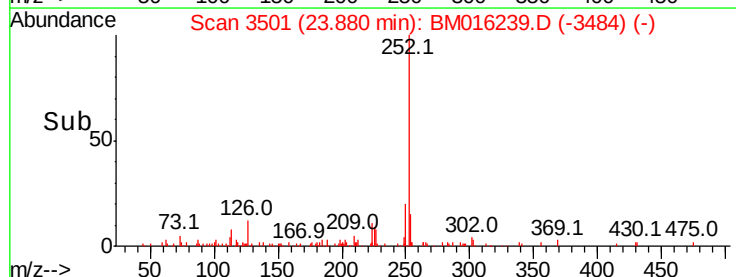
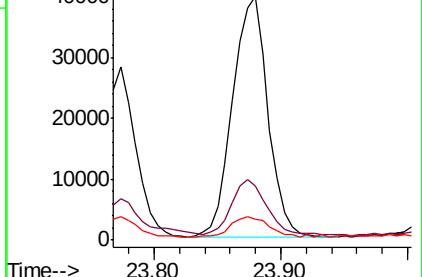
125 8.5 7.4 11.2

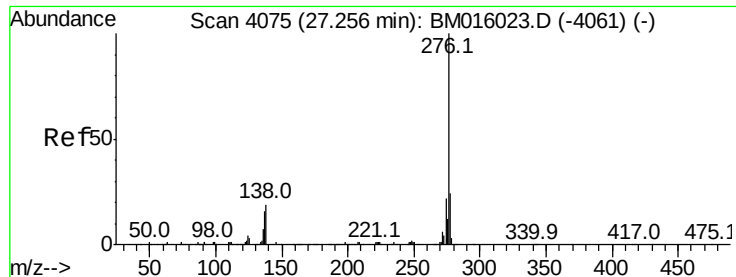


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

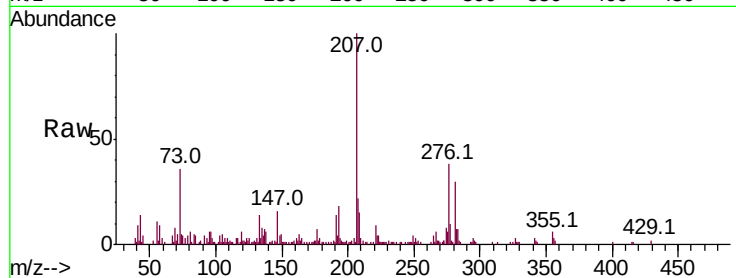




#91
 Benzo(a,h,i)perylene
 Concen: 3.877 ng
 RT: 27.10 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.5	27.7
138	16.0	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

