

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016250.D
 Acq On : 08 Aug 2018 15:14
 Operator : SJ/JU
 Sample : J4313-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 16:25:47 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	43399	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	156392	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75902	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	155070	20.00	ng	0.00
75) Chrysene-d12	21.63	240	168074	20.00	ng	0.00
86) Perylene-d12	23.97	264	182930	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	286926	109.82	ng	0.00
7) Phenol-d6	7.30	99	339864	99.61	ng	0.00
23) Nitrobenzene-d5	9.32	82	252894	75.21	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	98668	102.49	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	468778	75.15	ng	0.00
78) Terphenyl-d14	20.09	244	638629	79.54	ng	0.00

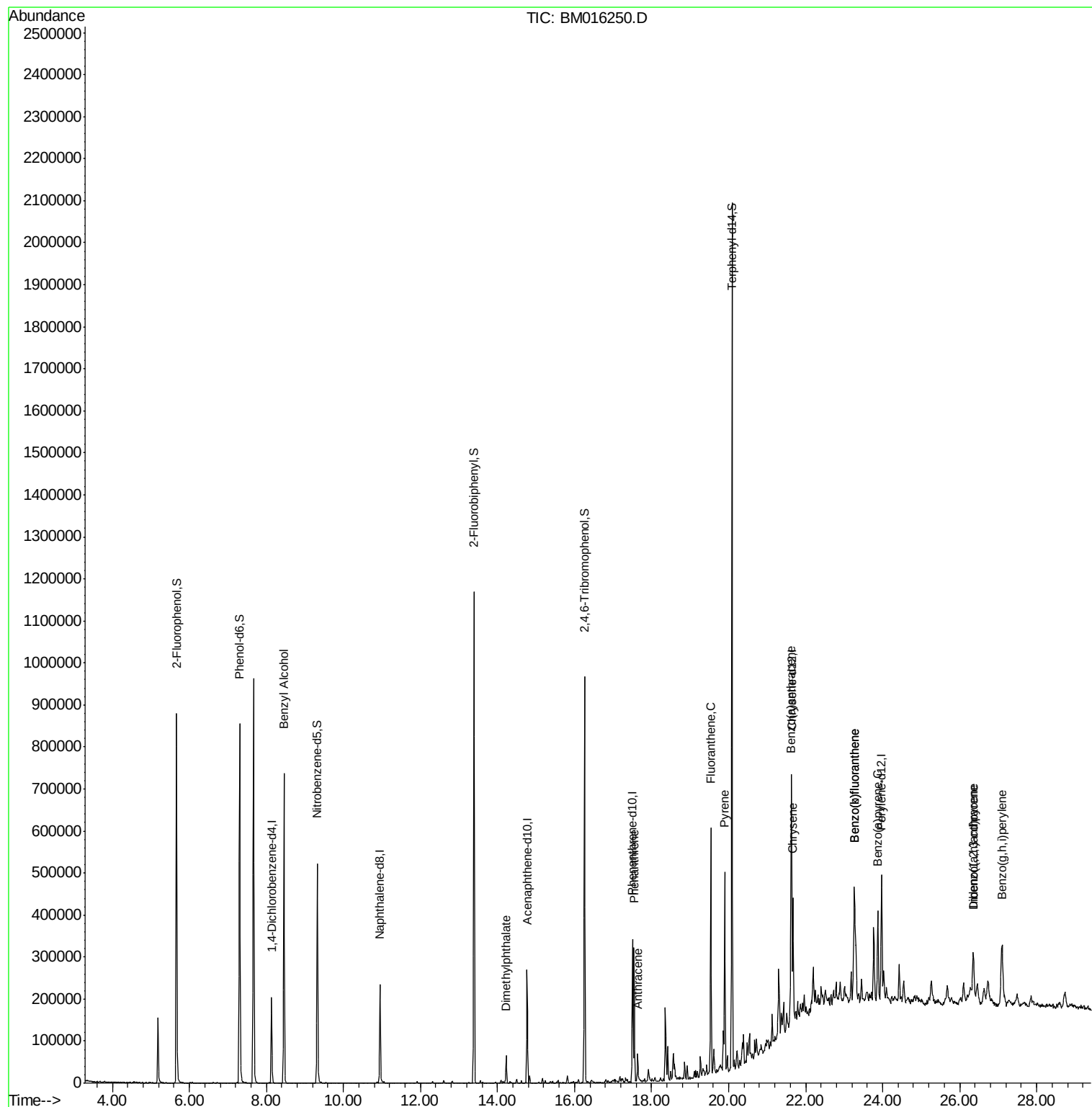
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.45	79	5791	2.132	ng	# 46
49) Dimethylphthalate	14.22	163	35290	5.313	ng	98
70) Phenanthrene	17.54	178	160295	18.463	ng	98
71) Anthracene	17.64	178	34886	4.135	ng	# 94
74) Fluoranthene	19.54	202	280653	28.980	ng	98
77) Pyrene	19.90	202	251464	24.966	ng	99
80) Benzo(a)anthracene	21.62	228	159440	15.402	ng	98
82) Chrysene	21.67	228	135989	13.695	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	98124	8.327	ng	# 95
87) Benzo(b)fluoranthene	23.27	252	197178	18.307	ng	# 95
88) Benzo(k)fluoranthene	23.27	252	196018	17.958	ng	95
89) Benzo(a)pyrene	23.87	252	139083	13.433	ng	97
90) Dibenzo(a,h)anthracene	26.34	278	32006	2.984	ng	# 85
91) Benzo(a,h,i)perylene	27.10	276	96459	9.507	ng	# 91

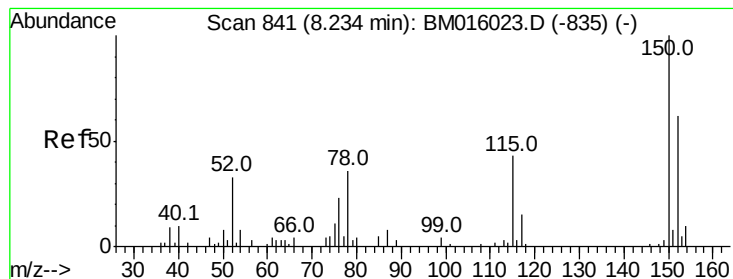
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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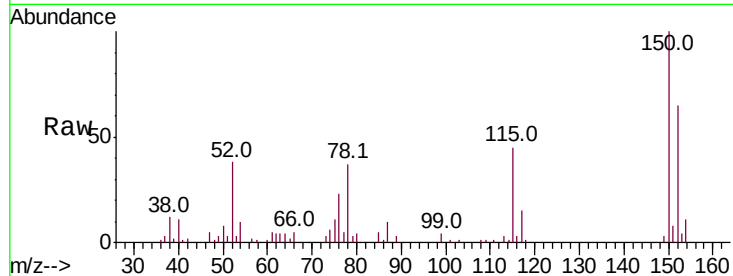


#1

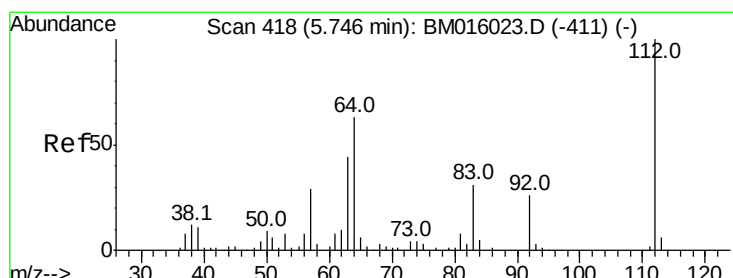
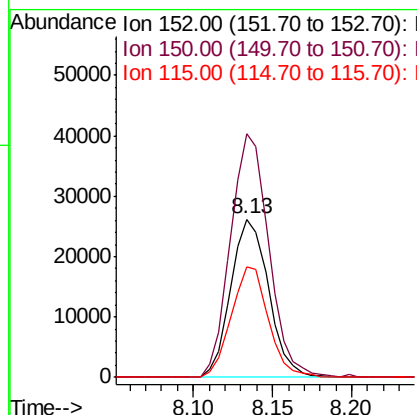
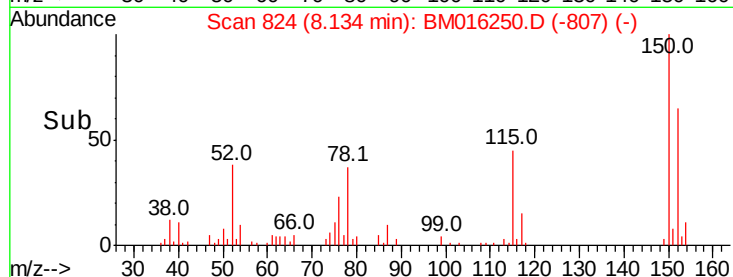
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 43399
Ion Ratio Lower Upper
152 100
150 154.2 119.5 179.3
115 69.8 43.0 64.4#



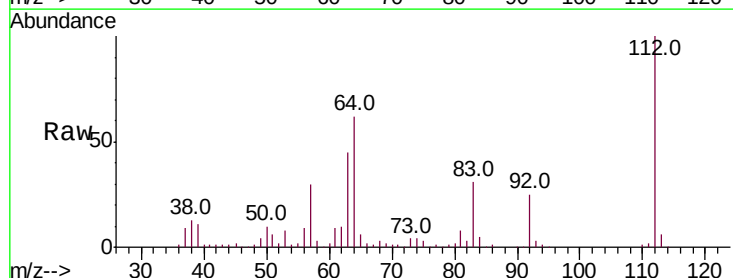
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



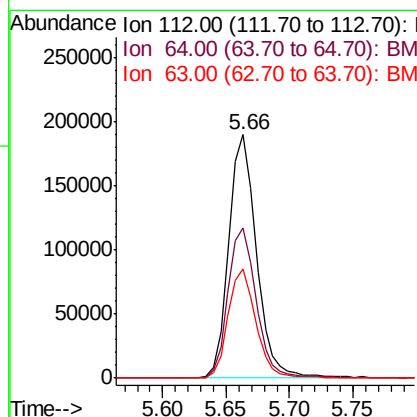
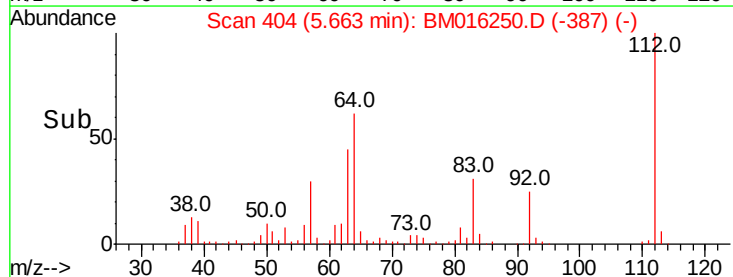
#5

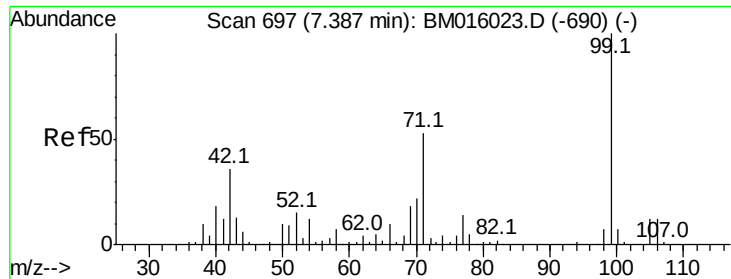
2-Fluorophenol
Concen: N.D. ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion:112 Resp: 286926
Ion Ratio Lower Upper
112 100
64 61.8 38.6 57.8#
63 44.7 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: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampled :

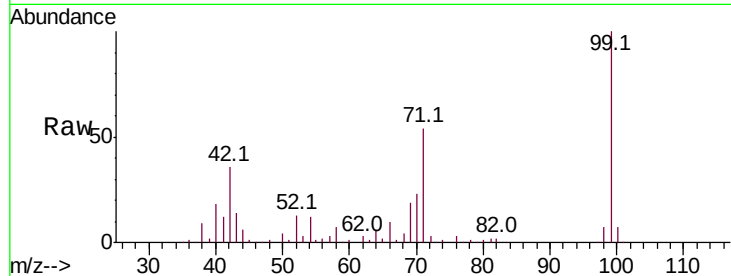
Tot Ion: 99 Resp: 339864

Ion Ratio Lower Upper

99 100

42 36.5 11.0 16.4#

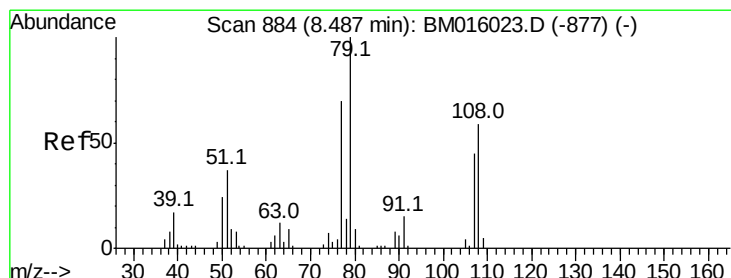
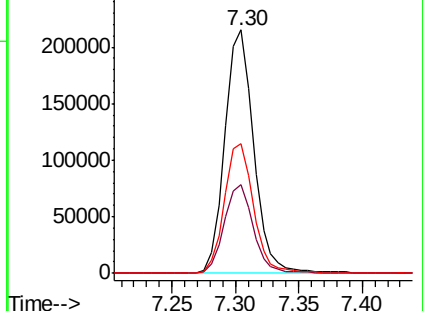
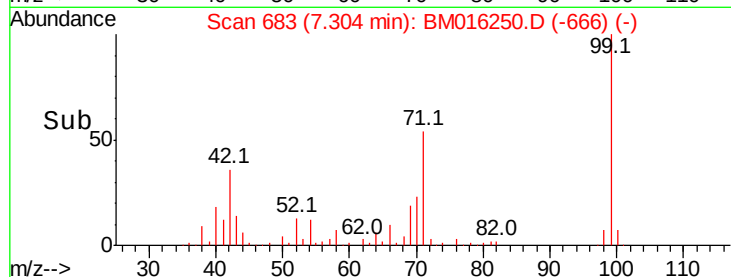
71 53.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#15

Benzyl Alcohol

Concen: 2.132 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.06 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

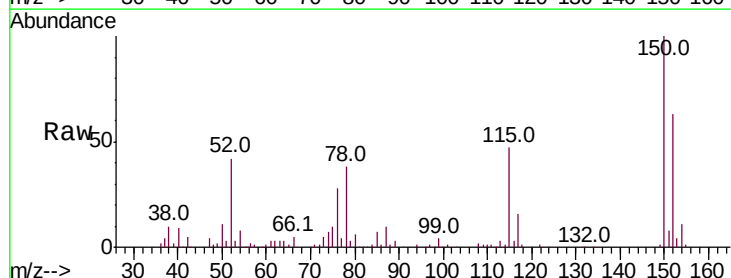
Tgt Ion: 79 Resp: 5791

Ion Ratio Lower Upper

79 100

108 58.9 65.0 97.4#

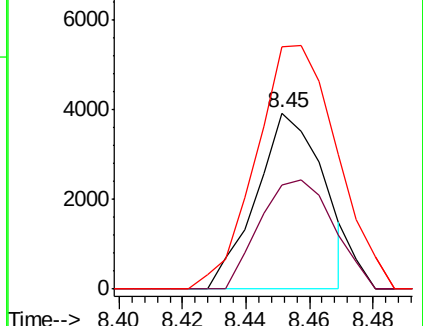
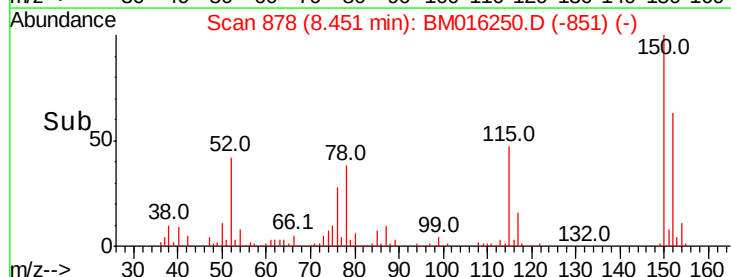
77 137.7 53.0 79.6#

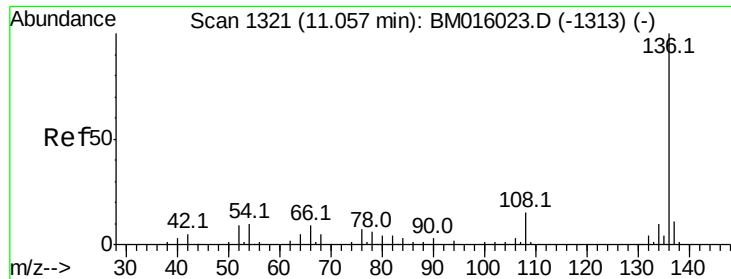


Abundance Ion 79.00 (78.70 to 79.70): BM016023.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016023.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-877) (-)

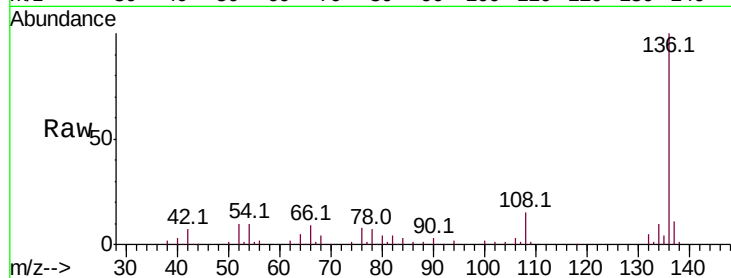




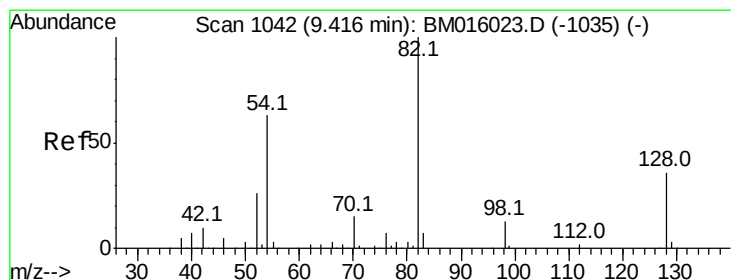
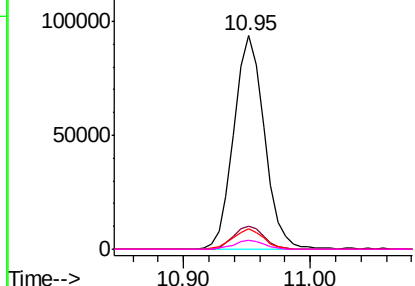
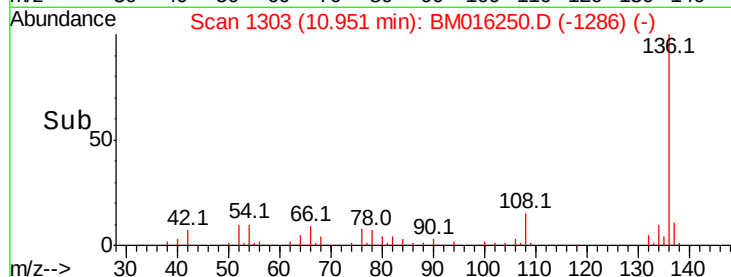
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp:	156392
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.7 13.1
54	9.8	4.6 6.8#
68	4.5	3.7 5.5

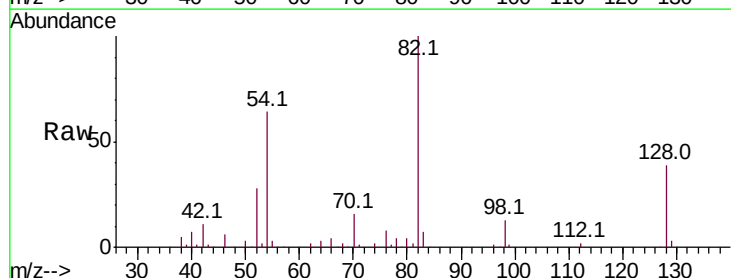


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

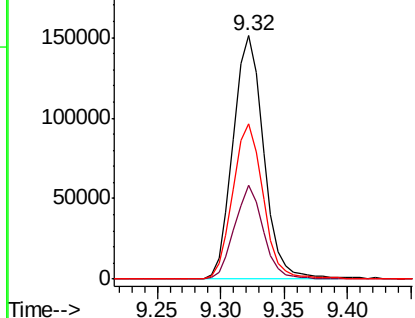
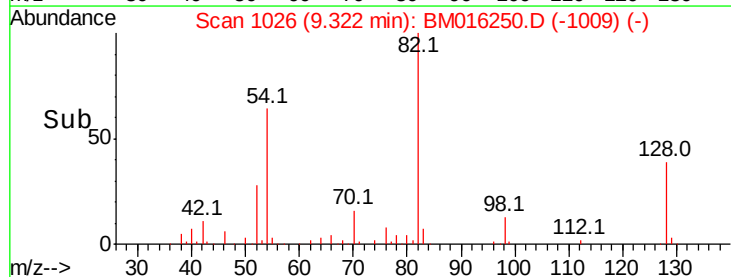


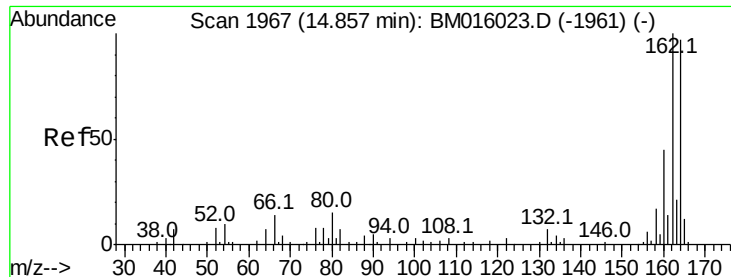
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion: 82	Resp:	252894
Ion Ratio	Lower	Upper
82	100	
128	38.6	32.8 49.2
54	63.8	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. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampleId :

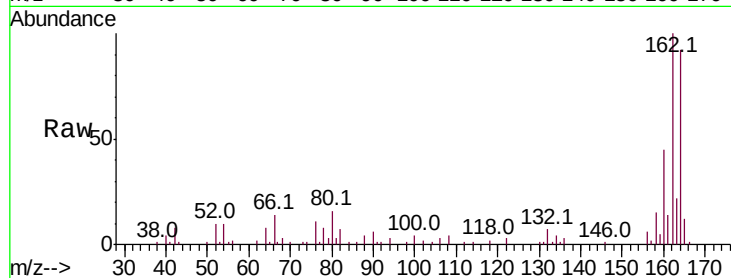
Tot Ion:164 Resp: 75902

Ion Ratio Lower Upper

164 100

162 109.0 82.4 123.6

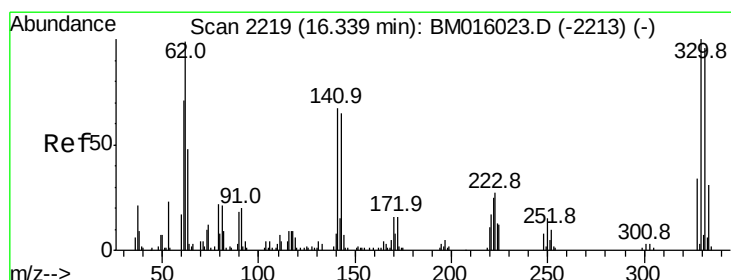
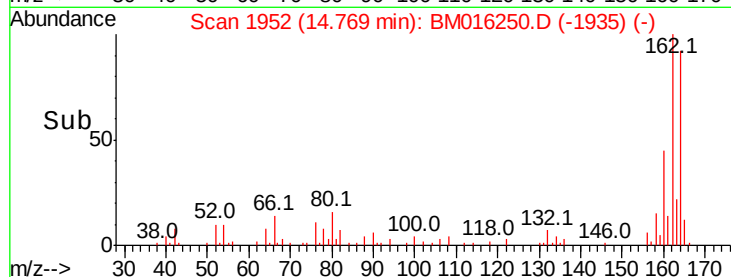
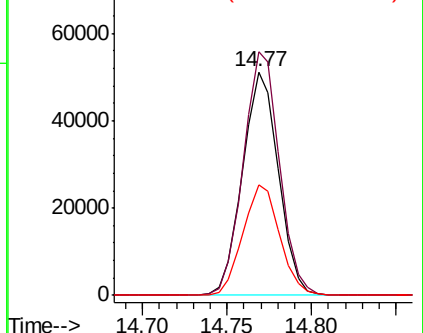
160 49.3 35.8 53.6



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: BM016250.D

Acq: 08 Aug 2018 15:14

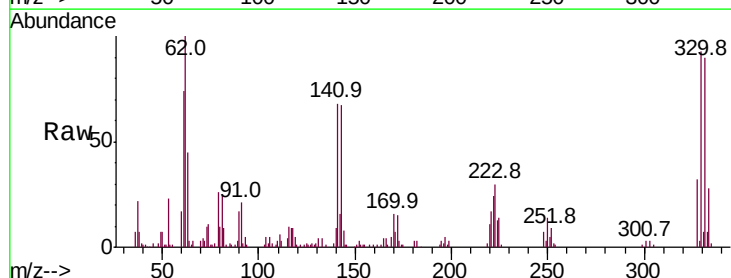
Tgt Ion:330 Resp: 98668

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

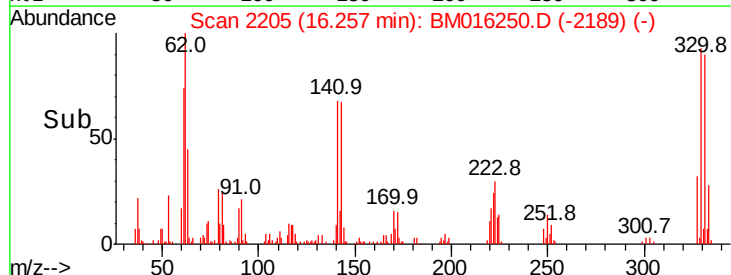
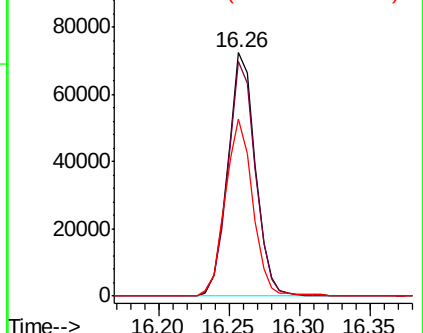
141 73.1 0.0 0.0#

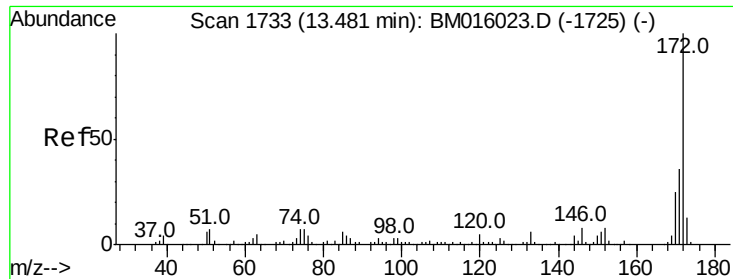


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

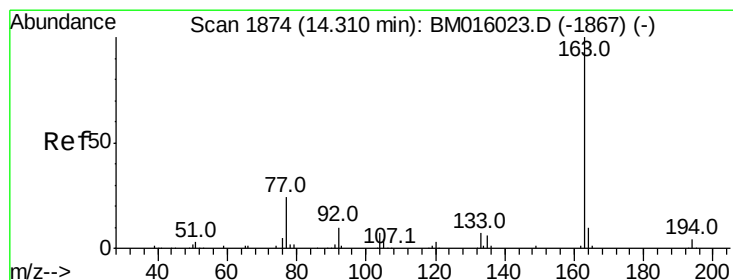
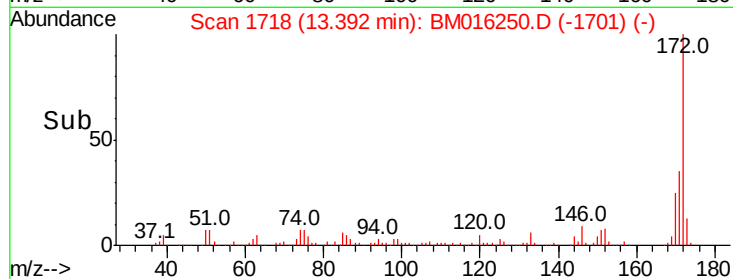
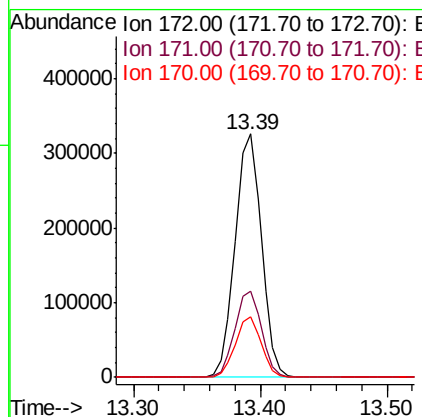
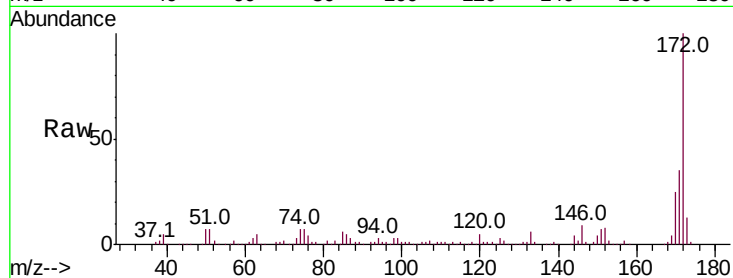




#44
2-Fluorobiphenyl
Concen: N.D. na
RT: 13.39 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

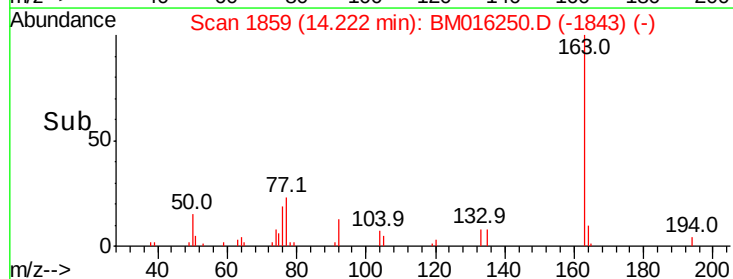
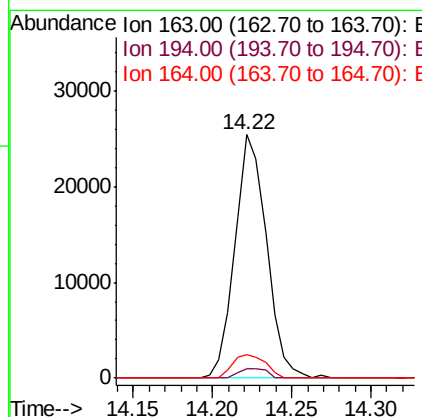
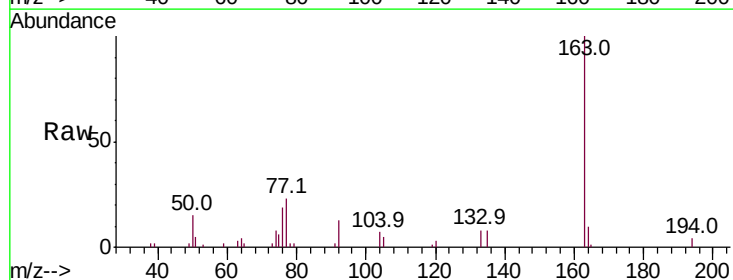
Instrument :
BNA_M
ClientSampleId :

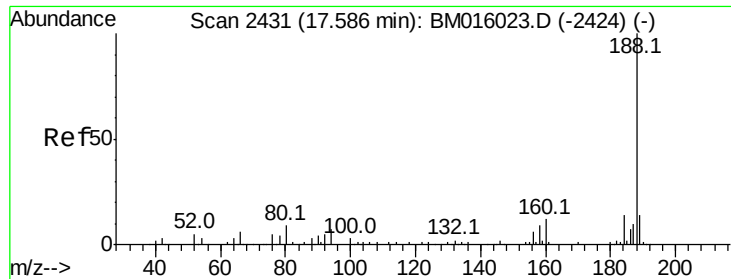
Tot Ion:172 Resp: 468778
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.8 18.8 28.2



#49
Dimethylphthalate
Concen: 5.313 ng
RT: 14.22 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion:163 Resp: 35290
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.5 8.2 12.2

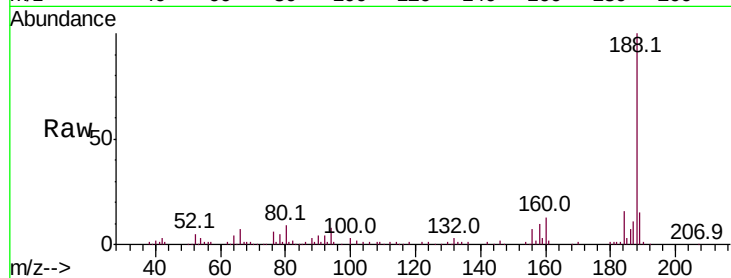




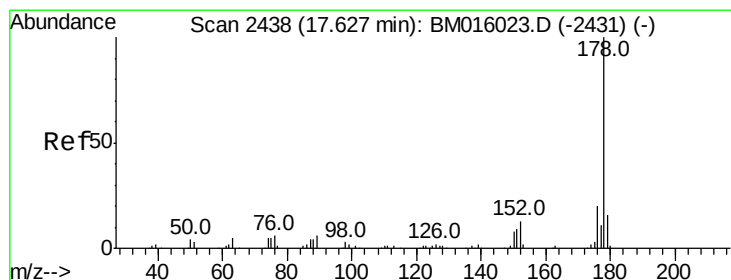
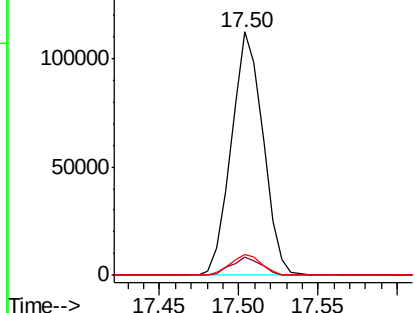
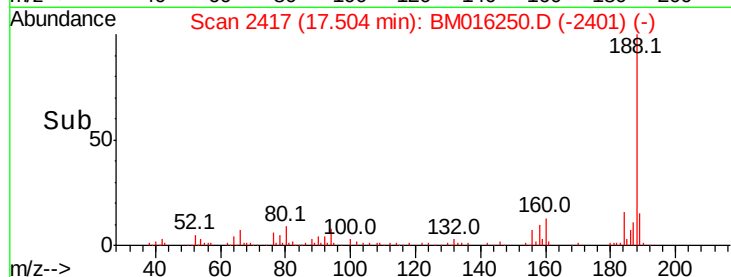
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:188 Resp: 155070
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.7 13.1#
 80 8.7 9.3 13.9#

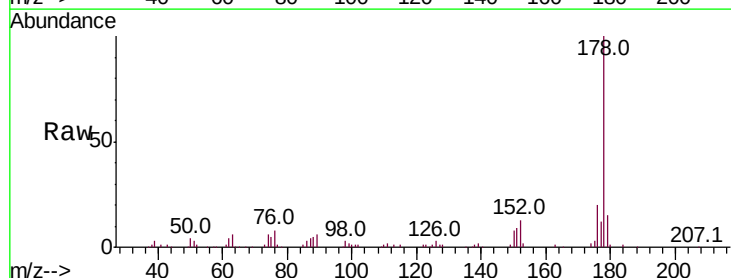


Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BM
 Ion 80.00 (79.70 to 80.70): BM

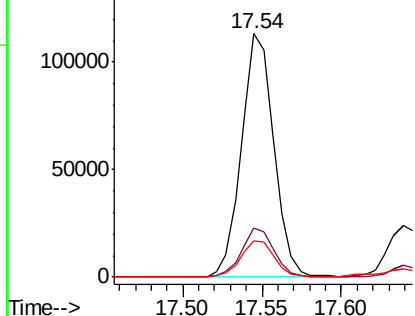
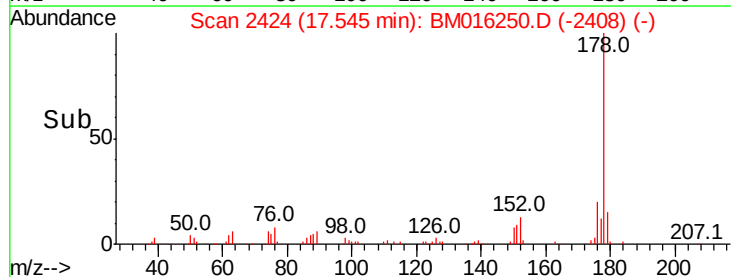


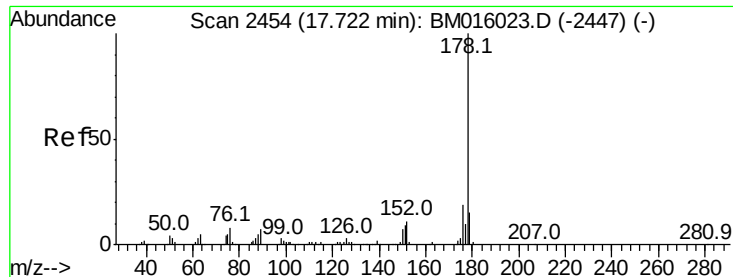
#70
 Phenanthrene
 Concen: 18.463 ng
 RT: 17.54 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Tgt Ion:178 Resp: 160295
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.2 22.8
 179 15.0 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
 150000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

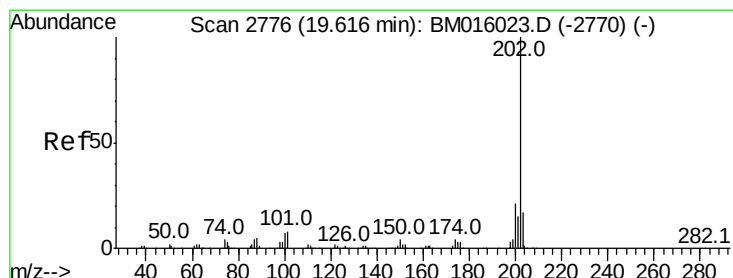
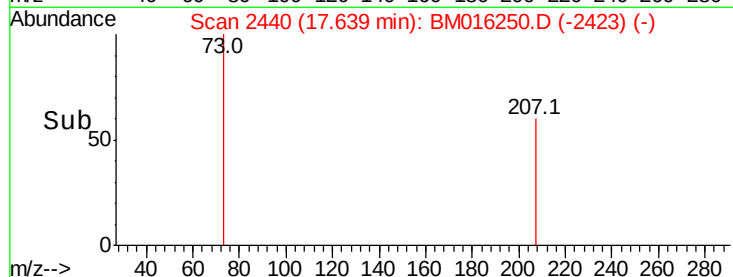
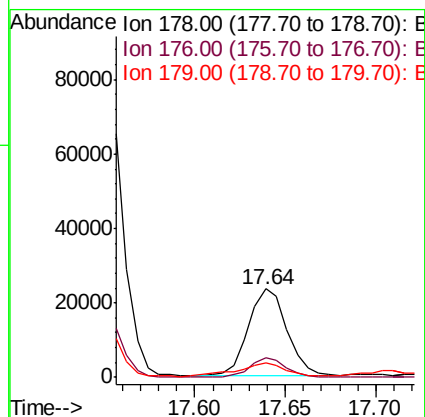
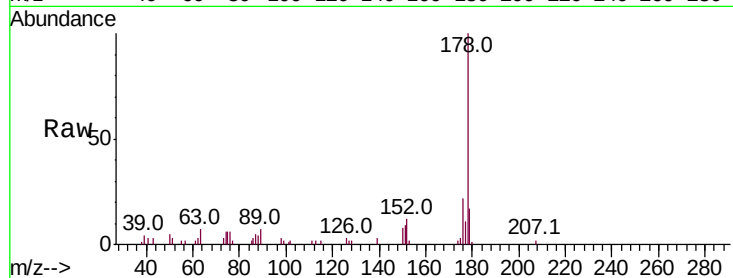




#71
 Anthracene
 Concen: 4.135 ng
 RT: 17.64 min Scan# 2440
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

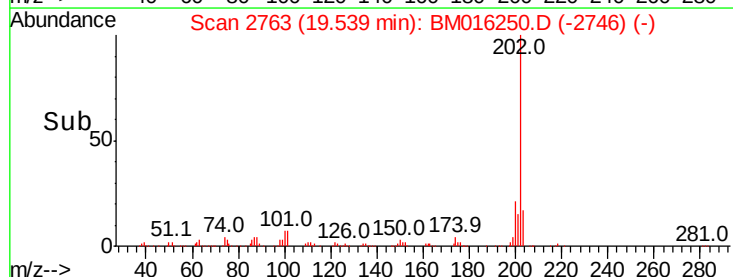
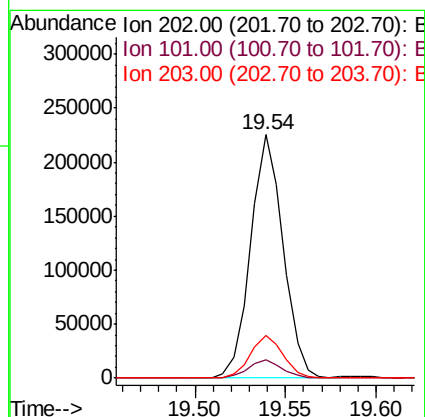
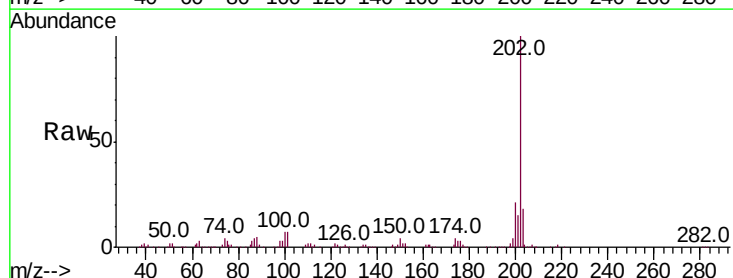
Instrument :
 BNA_M
 ClientSampled :

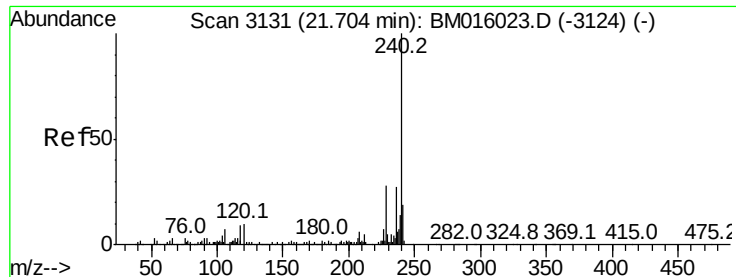
Tot Ion:178 Resp: 34886
 Ion Ratio Lower Upper
 178 100
 176 22.4 14.6 22.0#
 179 16.9 12.6 19.0



#74
 Fluoranthene
 Concen: 28.980 ng
 RT: 19.54 min Scan# 2763
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Tgt Ion:202 Resp: 280653
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 28.7
 203 17.7 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampleId :

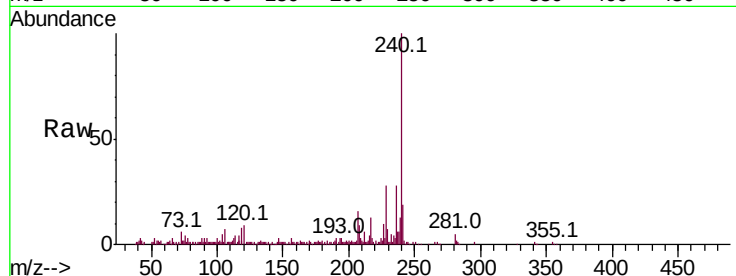
Tot Ion:240 Resp: 168074

Ion Ratio Lower Upper

240 100

120 8.8 8.2 12.2

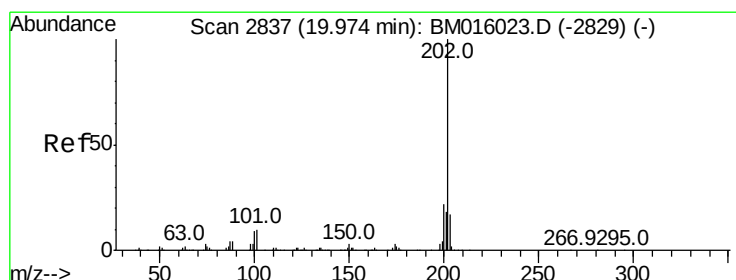
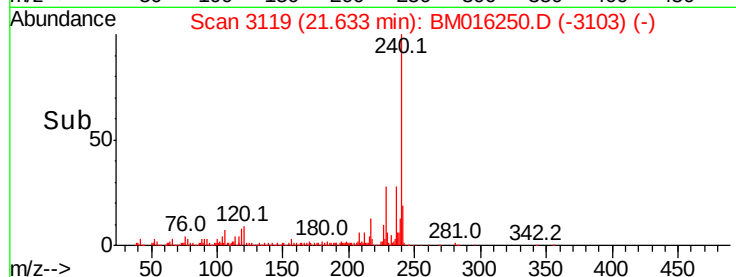
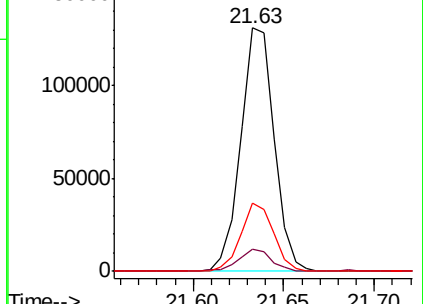
236 28.2 20.0 30.0



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: 24.966 ng

RT: 19.90 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

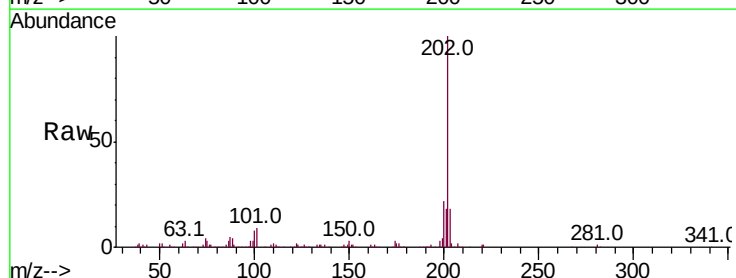
Tgt Ion:202 Resp: 251464

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

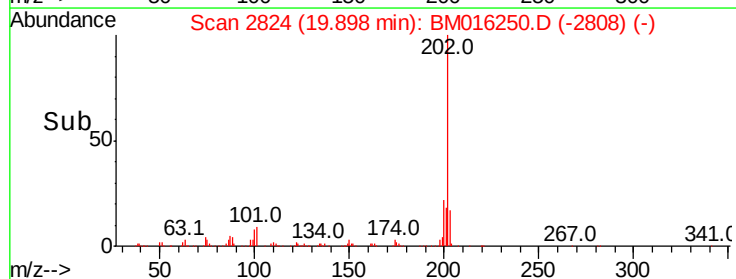
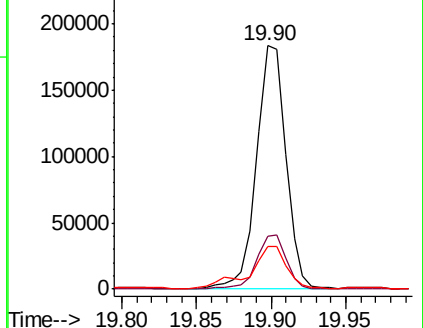
203 17.6 14.1 21.1

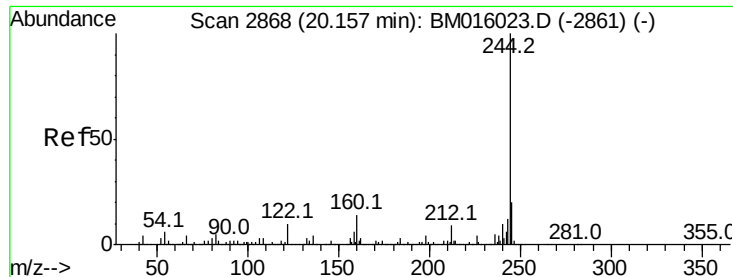


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 24.966 ng

RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampleId :

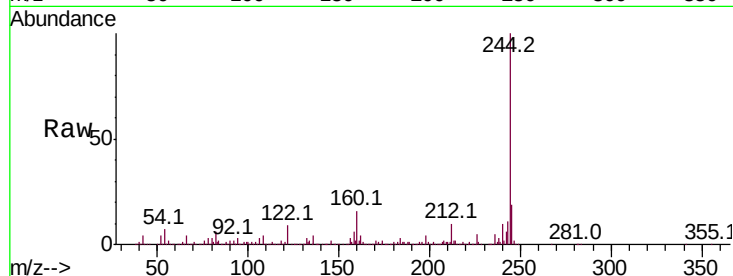
Tot Ion:244 Resp: 638629

Ion Ratio Lower Upper

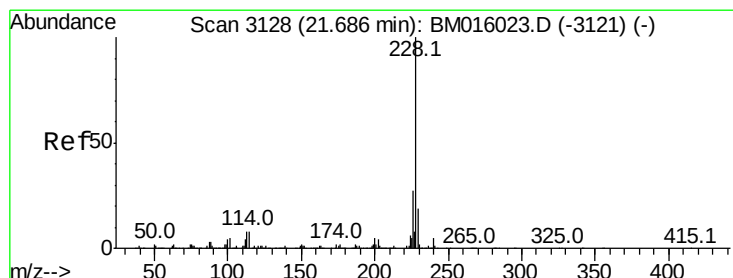
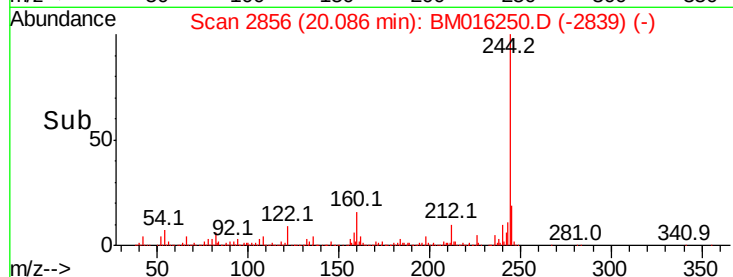
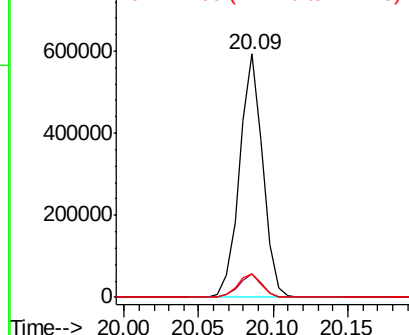
244 100

212 9.7 4.9 7.3#

122 9.4 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 15.402 ng

RT: 21.62 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

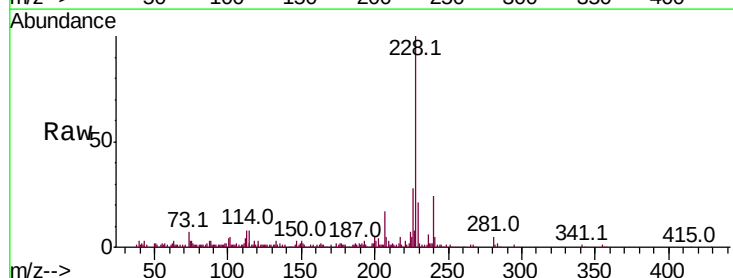
Tgt Ion:228 Resp: 159440

Ion Ratio Lower Upper

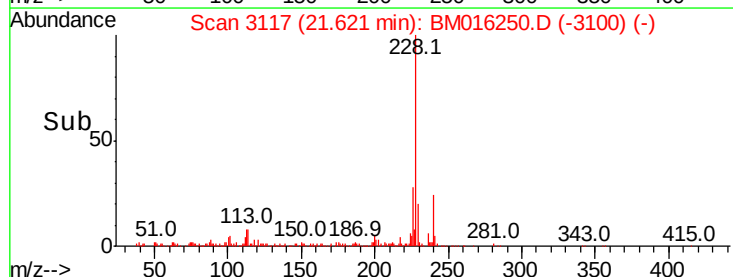
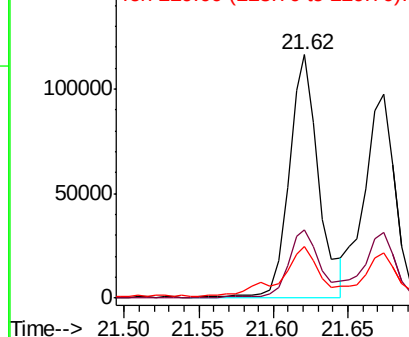
228 100

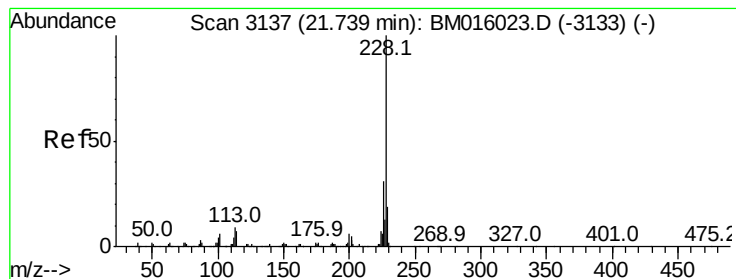
226 28.0 21.7 32.5

229 21.3 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: 13.695 ng

RT: 21.67 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampleId :

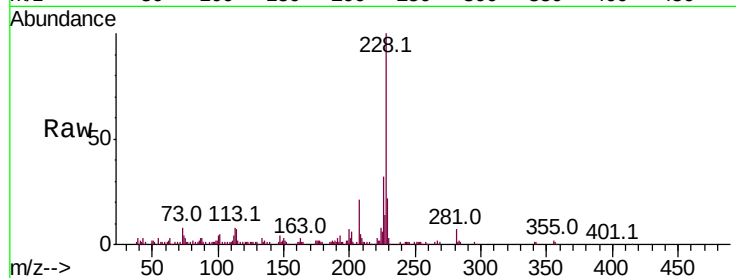
Tot Ion:228 Resp: 135989

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.1	36.1
229	22.1	15.5	23.3

228 100

226 32.3 24.1 36.1

229 22.1 15.5 23.3

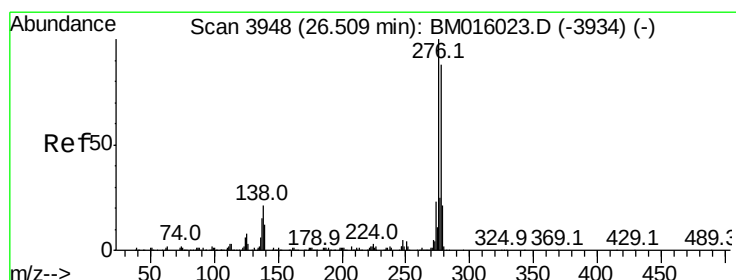
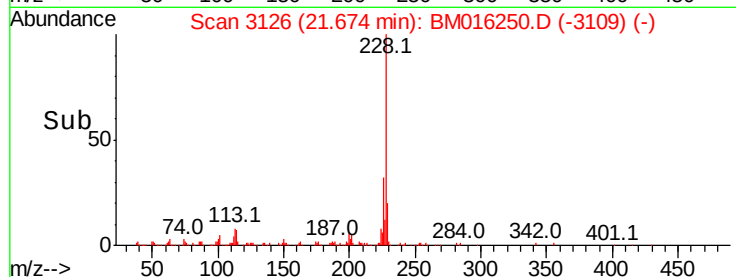
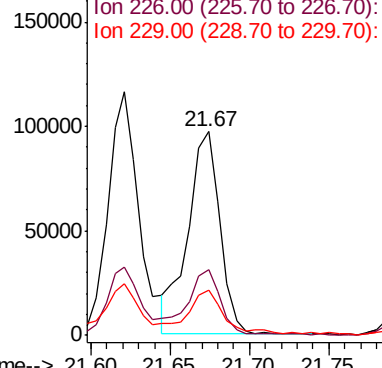


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.327 ng

RT: 26.36 min Scan# 3922

Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

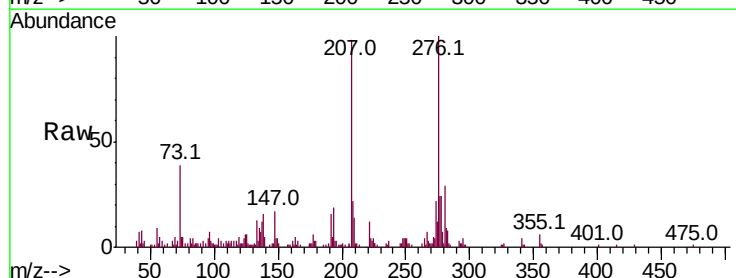
Tgt Ion:276 Resp: 98124

Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.0	18.0#
277	26.6	20.0	30.0

276 100

138 18.5 12.0 18.0#

277 26.6 20.0 30.0

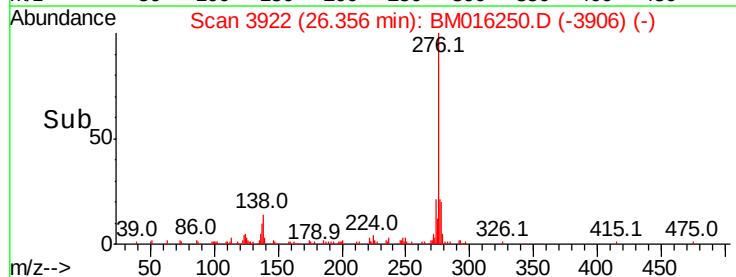
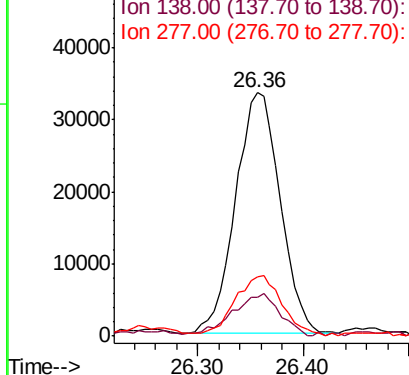


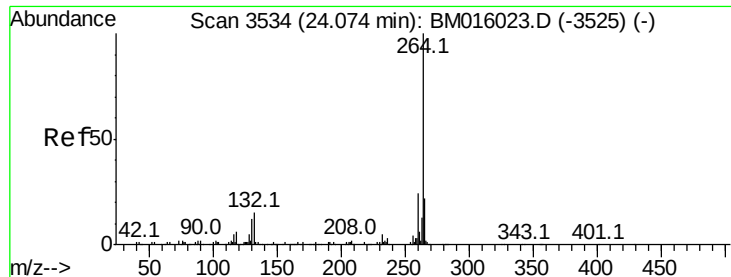
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

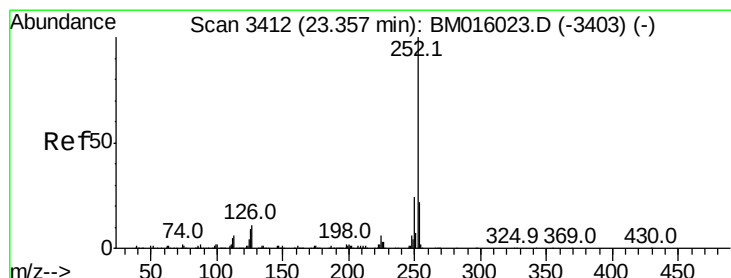
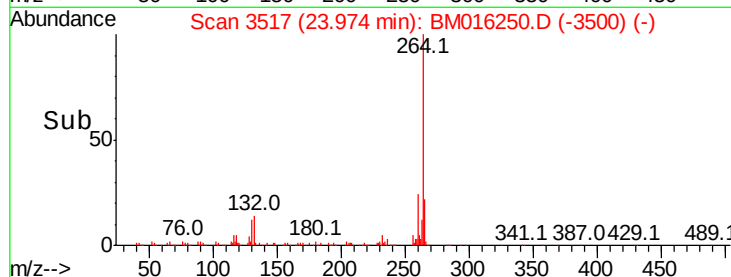
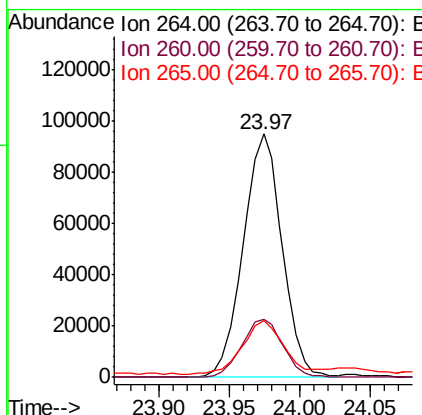
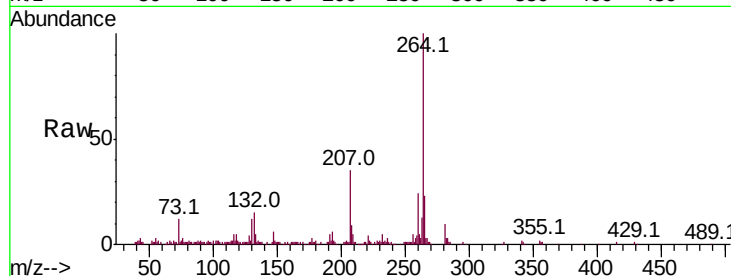




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.97 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

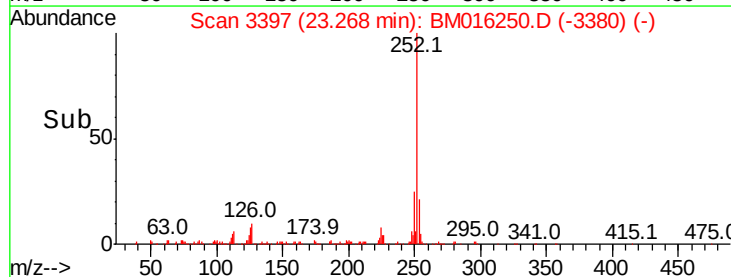
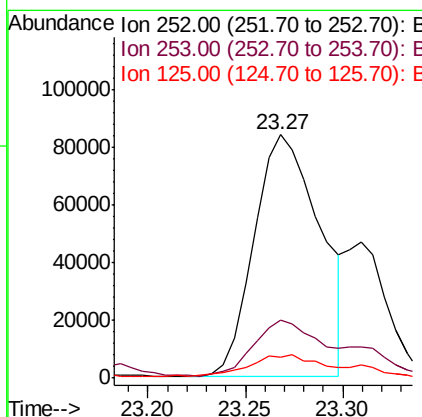
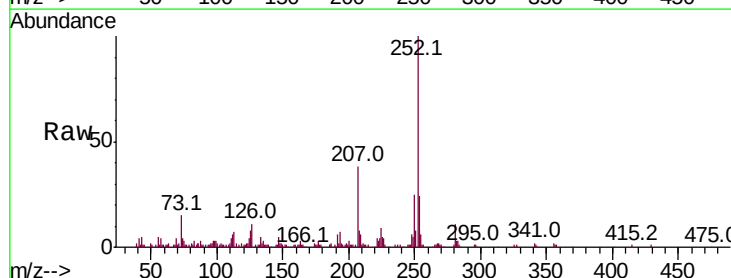
Instrument :
BNA_M
ClientSampleId :

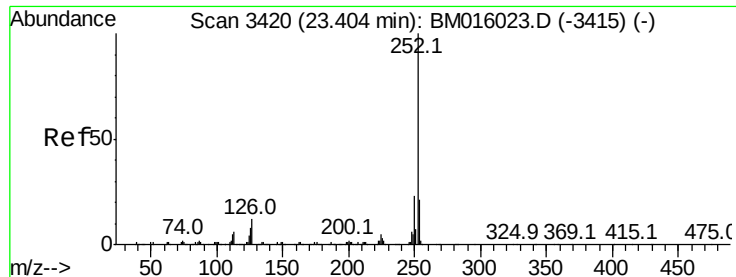
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	23.4	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 18.307 ng
RT: 23.27 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	8.5	9.9	14.9

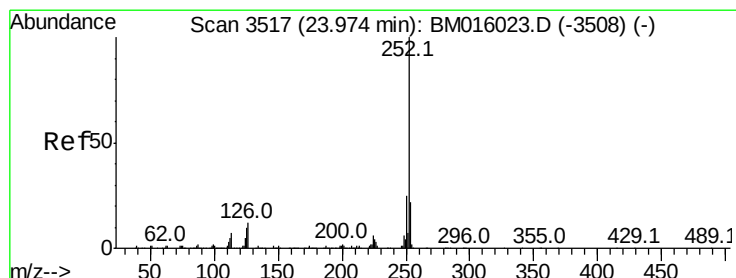
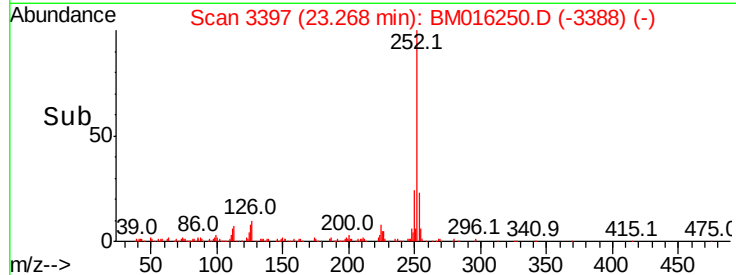
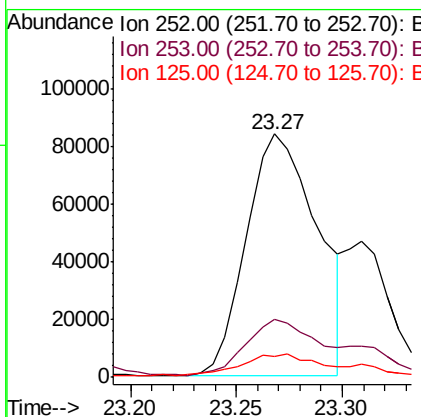
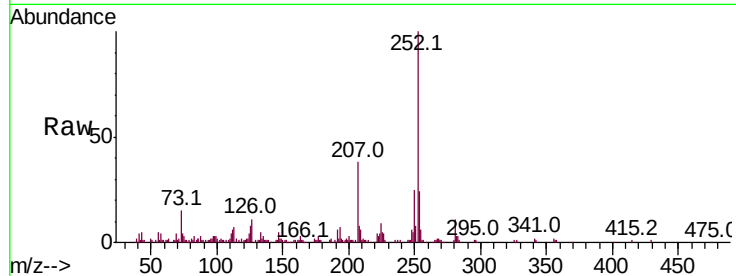




#88
Benzo(k)fluoranthene
Concen: 17.958 ng
RT: 23.27 min Scan# 3397
Delta R.T. -0.05 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

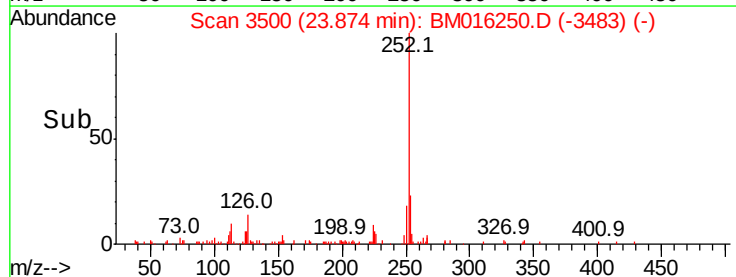
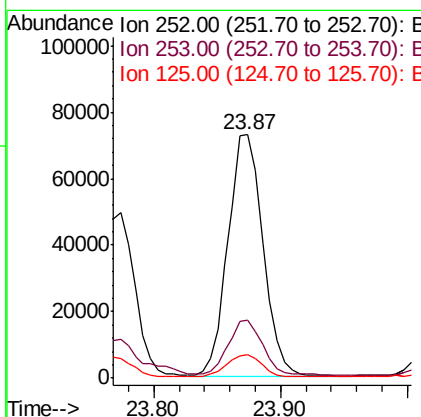
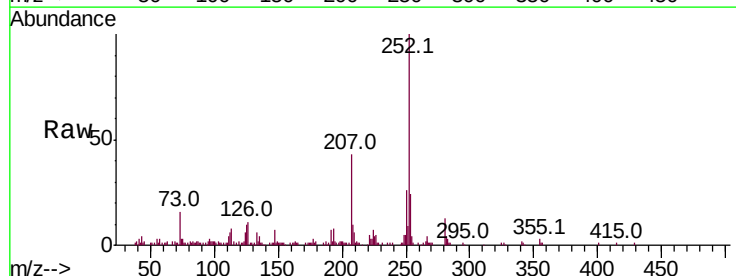
Instrument :
BNA_M
ClientSampleId :

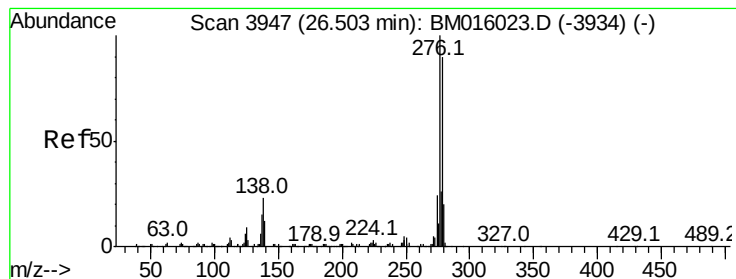
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	8.5	8.1	12.1



#89
Benzo(a)pyrene
Concen: 13.433 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.9	7.4	11.2





#90

Dibenzo(a,h)anthracene

Concen: 2.984 ng

RT: 26.34 min Scan# 3920

Delta R.T. -0.02 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

ClientSampleId :

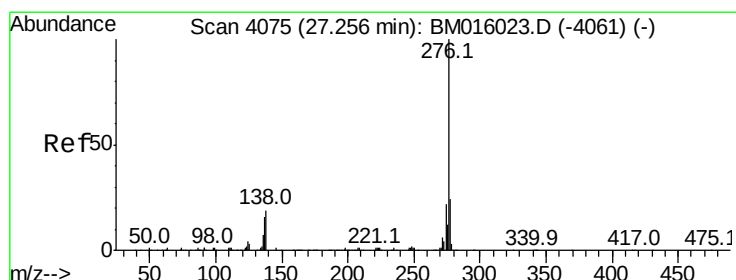
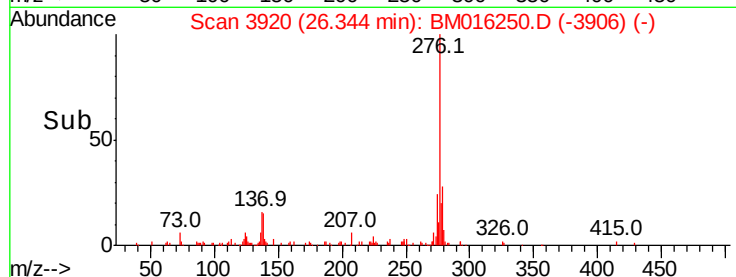
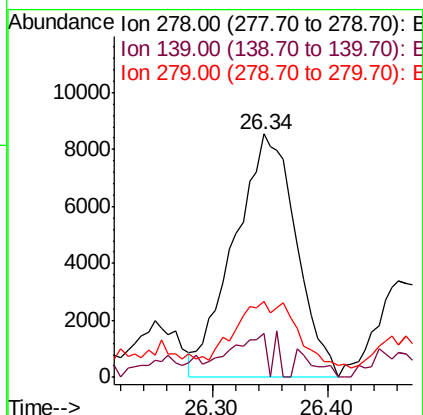
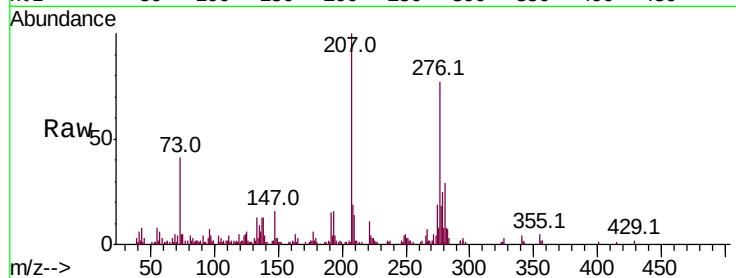
Tot Ion:278 Resp: 32006

Ion Ratio Lower Upper

278 100

139 22.9 13.4 20.0#

279 31.0 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 9.507 ng

RT: 27.10 min Scan# 4048

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Tgt Ion:276 Resp: 96459

Ion Ratio Lower Upper

276 100

277 25.2 18.5 27.7

138 17.4 19.0 28.6#

