

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
 Data File : BM016256.D
 Acq On : 08 Aug 2018 18:55
 Operator : SJ/JU
 Sample : J4313-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-13

Quant Time: Aug 09 01:40:31 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	8.14	152	43599	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	158510	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	73552	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	140889	20.00	ng	0.00
75) Chrysene-d12	21.64	240	156884	20.00	ng	0.00
86) Perylene-d12	23.97	264	176526	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	230267	87.73	ng	0.00
7) Phenol-d6	7.30	99	272534	79.51	ng	0.00
23) Nitrobenzene-d5	9.32	82	204767	60.08	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	68082	72.98	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	348903	57.72	ng	0.00
78) Terphenyl-d14	20.09	244	424702	56.67	ng	0.00

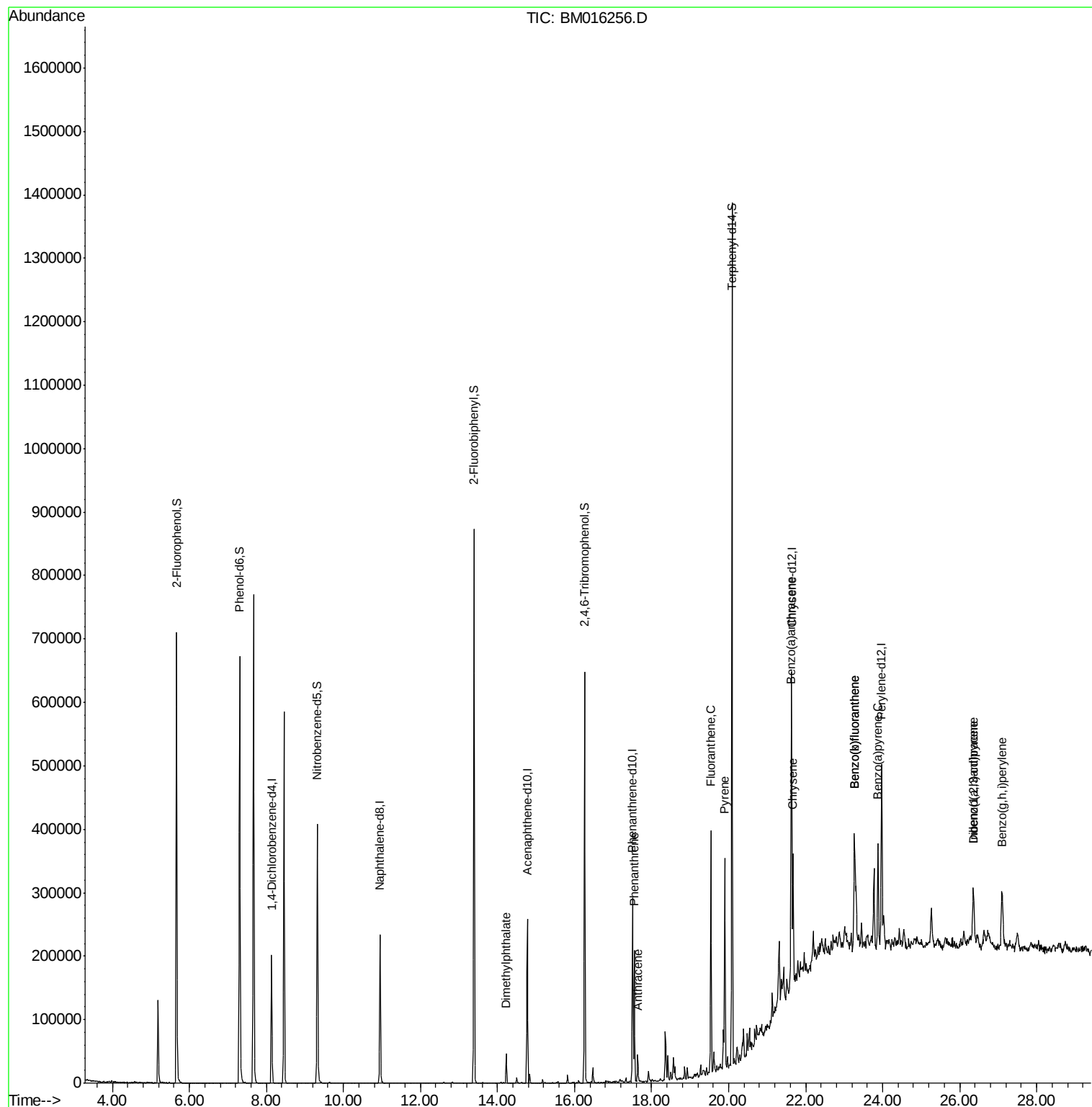
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.23	163	26631	4.137	ng	99
70) Phenanthrene	17.55	178	105075	13.321	ng	99
71) Anthracene	17.64	178	26065	3.400	ng	98
74) Fluoranthene	19.54	202	189800	21.571	ng	99
77) Pyrene	19.90	202	169134	17.990	ng	99
80) Benzo(a)anthracene	21.62	228	108124	11.190	ng	97
82) Chrysene	21.67	228	95245	10.276	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	72115	6.556	ng	# 92
87) Benzo(b)fluoranthene	23.27	252	147273	14.170	ng	# 97
88) Benzo(k)fluoranthene	23.27	252	147168	13.972	ng	97
89) Benzo(a)pyrene	23.87	252	101988	10.207	ng	98
90) Dibenzo(a,h)anthracene	26.36	278	24211	2.339	ng	# 79
91) Benzo(g,h,i)perylene	27.10	276	73913	7.549	ng	# 92

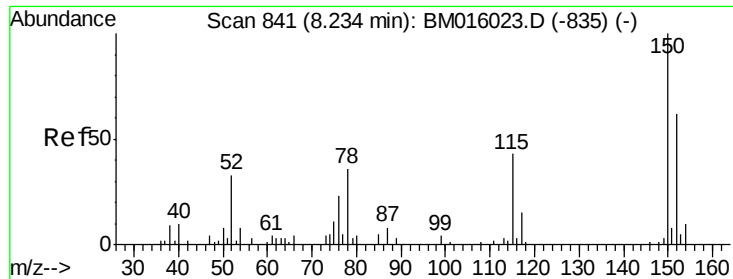
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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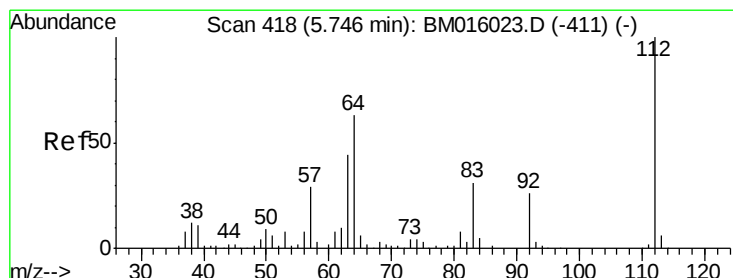
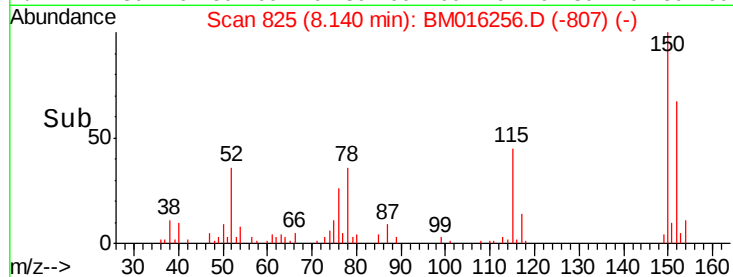
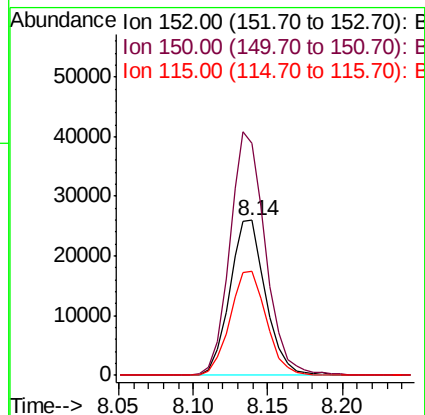
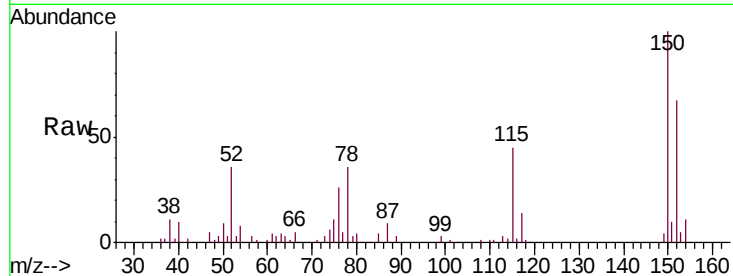


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampled :
 C-13

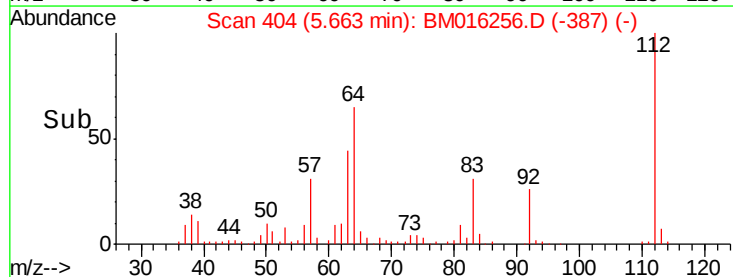
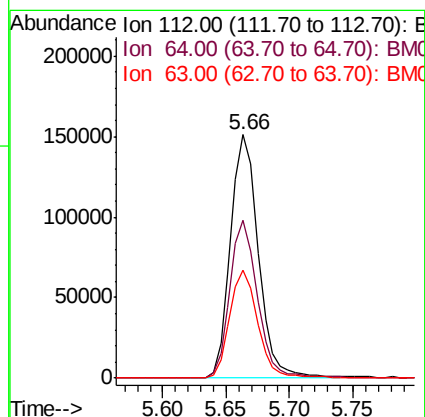
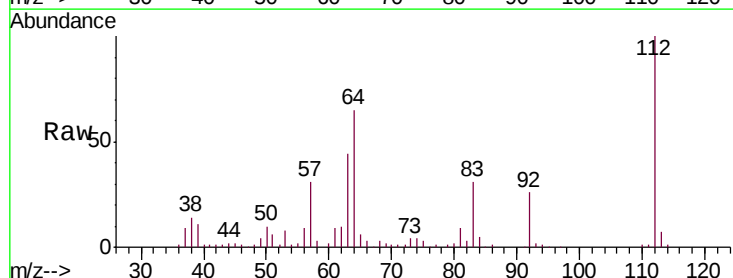
Tgt Ion:152 Resp: 43599
 Ion Ratio Lower Upper
 152 100
 150 149.5 119.5 179.3
 115 67.1 43.0 64.4#

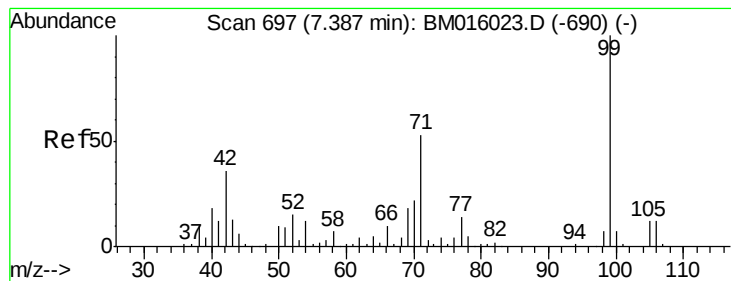


#5

2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion:112 Resp: 230267
 Ion Ratio Lower Upper
 112 100
 64 64.7 38.6 57.8#
 63 44.4 19.3 28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

ClientSampled :

C-13

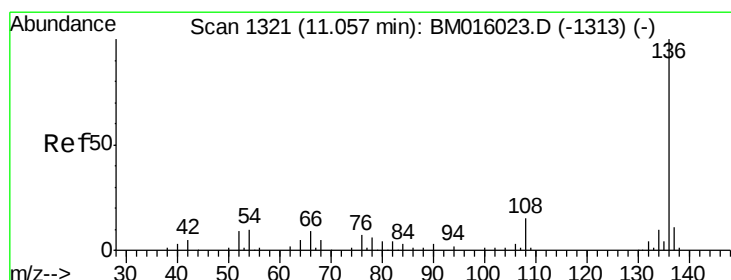
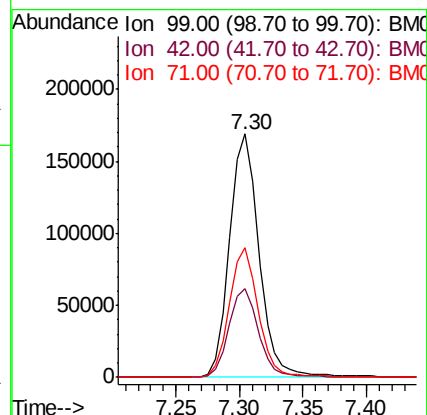
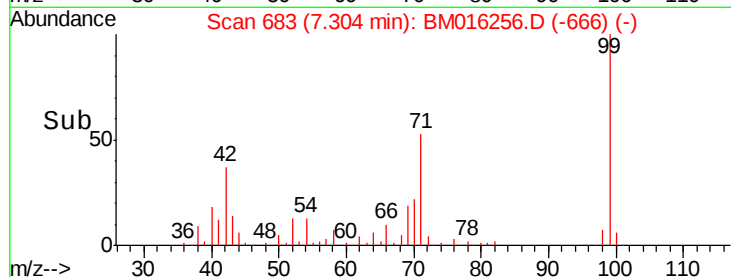
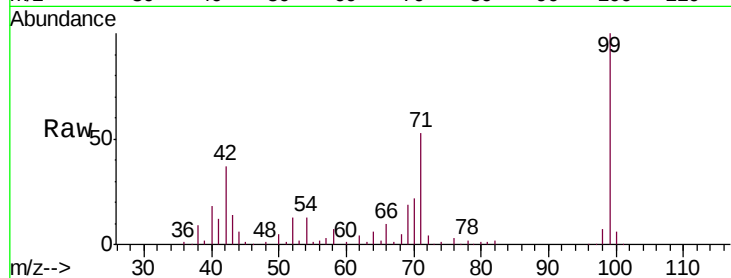
Tgt Ion: 99 Resp: 272534

Ion Ratio Lower Upper

99 100

42 36.7 11.0 16.4#

71 53.5 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Tgt Ion: 136 Resp: 158510

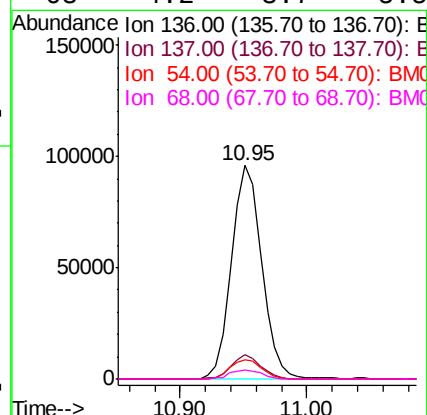
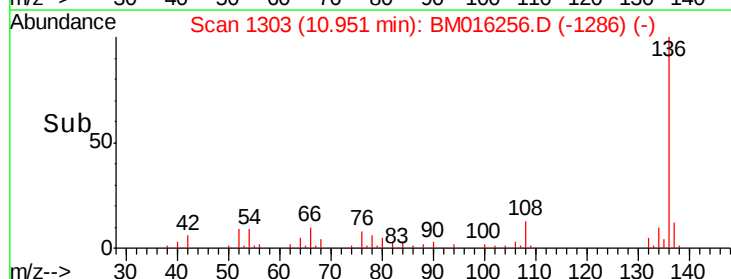
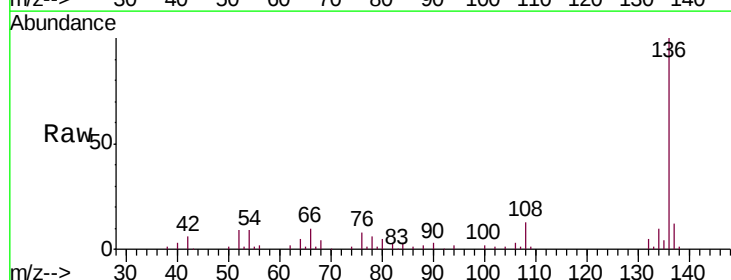
Ion Ratio Lower Upper

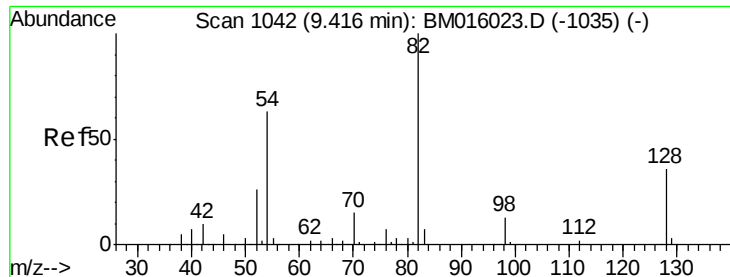
136 100

137 11.6 8.7 13.1

54 8.8 4.6 6.8#

68 4.2 3.7 5.5

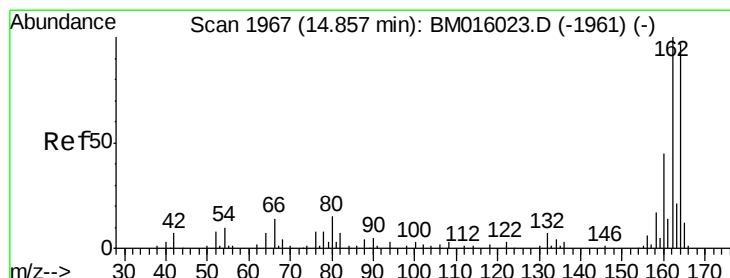
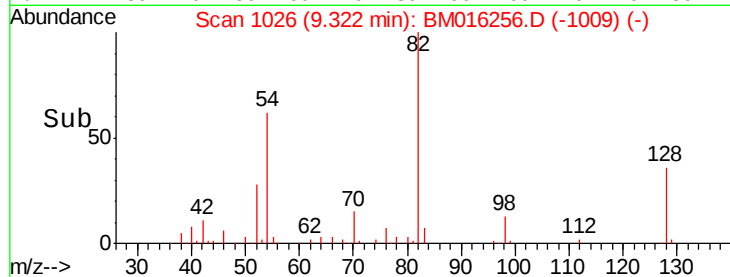
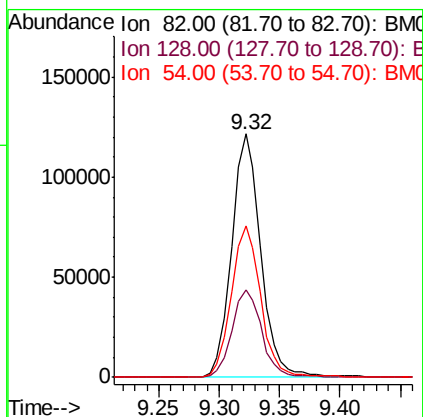
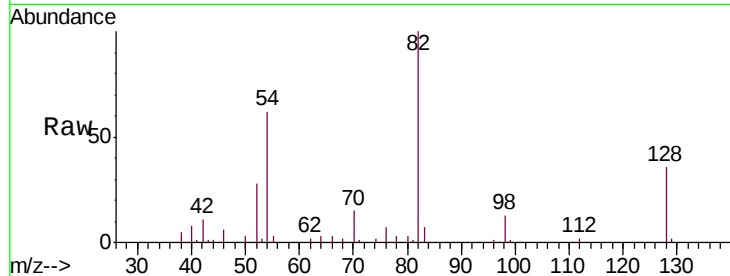




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

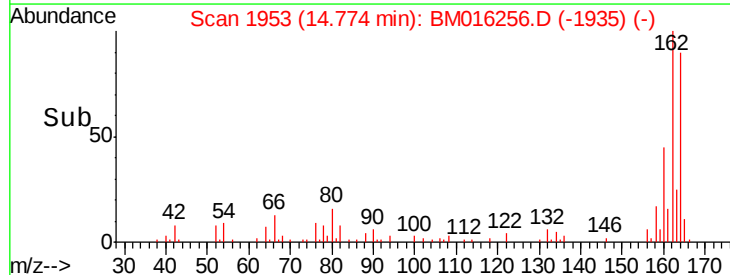
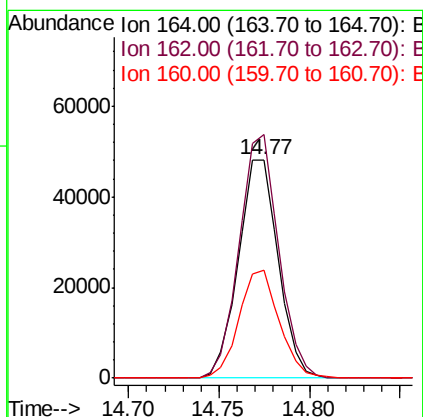
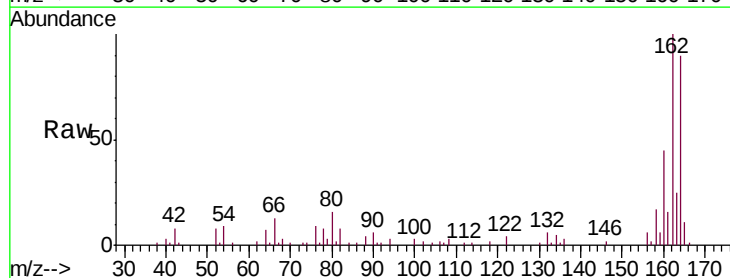
Instrument :
 BNA_M
 ClientSampleId :
 C-13

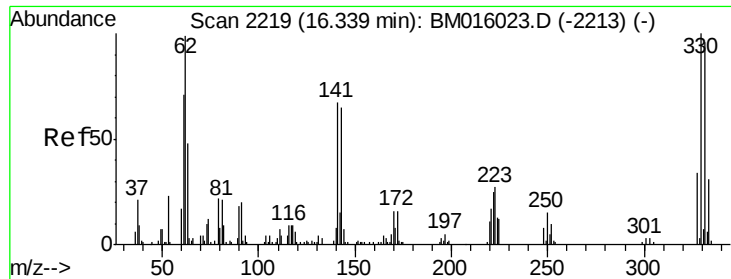
Tgt Ion: 82 Resp: 204767
 Ion Ratio Lower Upper
 82 100
 128 36.1 32.8 49.2
 54 62.4 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion: 164 Resp: 73552
 Ion Ratio Lower Upper
 164 100
 162 111.5 82.4 123.6
 160 49.6 35.8 53.6

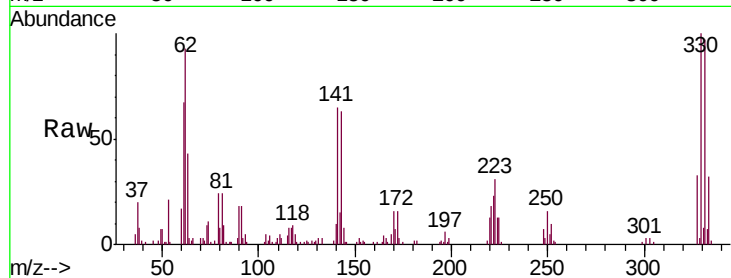




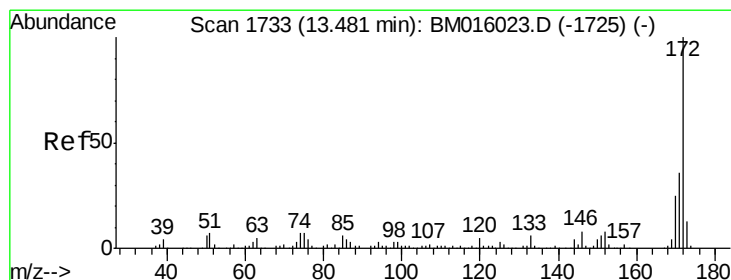
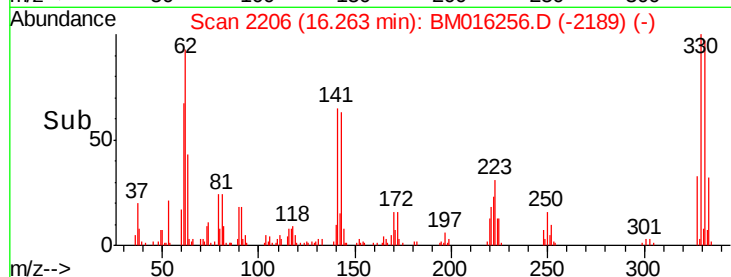
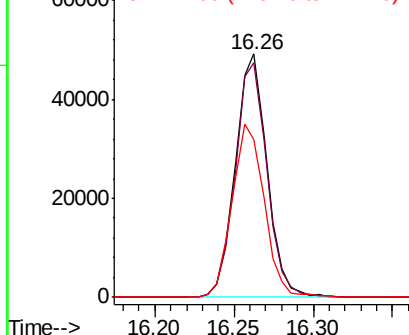
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampled :
 C-13

Tgt Ion:330 Resp: 68082
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 72.6 0.0 0.0#

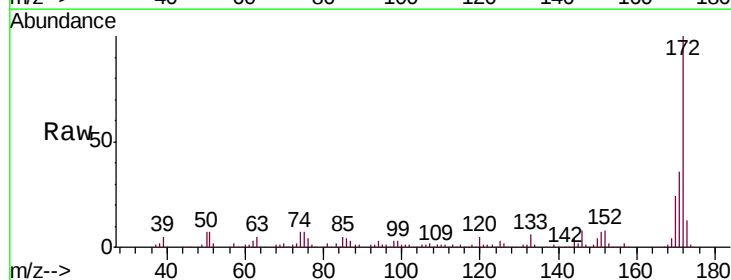


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

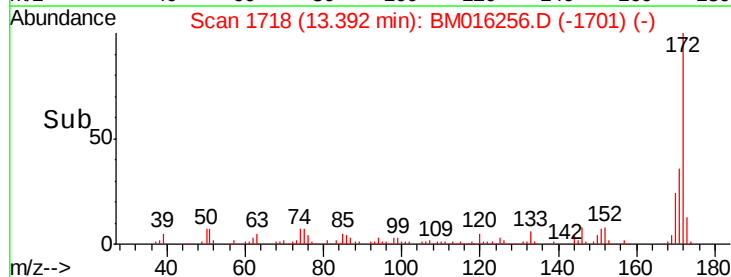
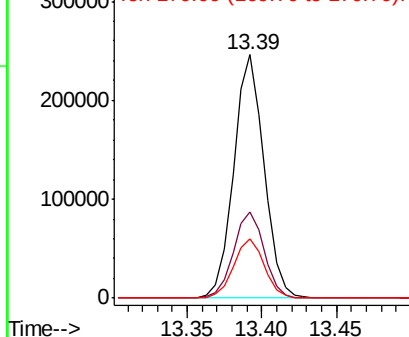


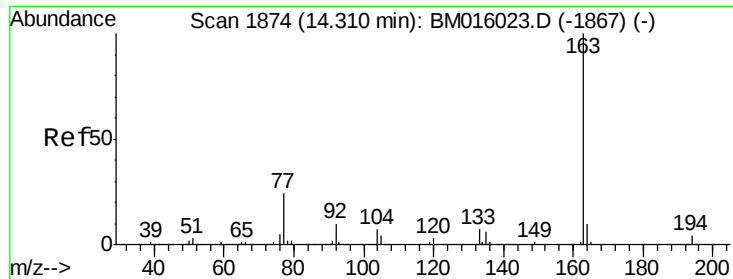
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion:172 Resp: 348903
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 24.3 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: 4.137 ng

RT: 14.23 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

ClientSampleId :

C-13

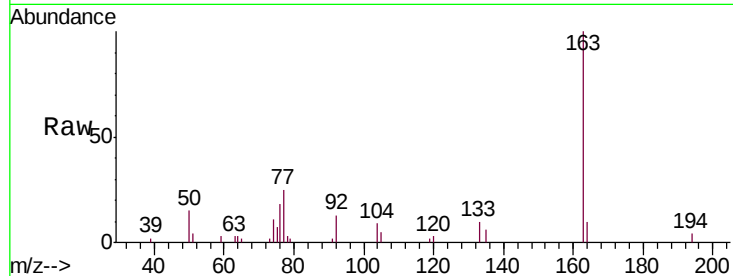
Tgt Ion:163 Resp: 26631

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

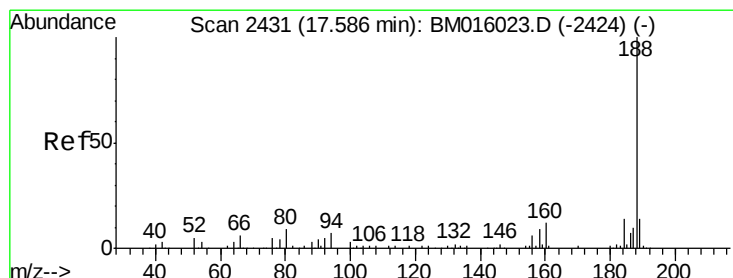
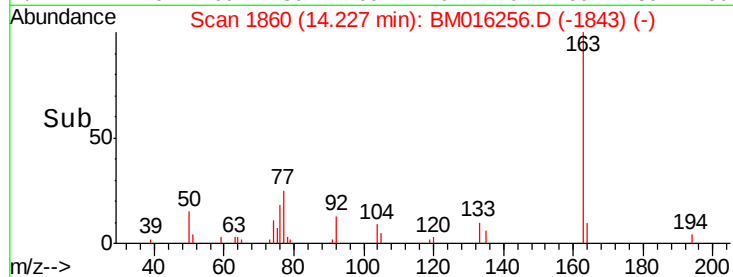
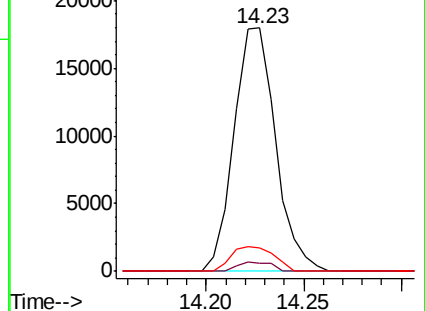
164 9.7 8.2 12.2



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: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

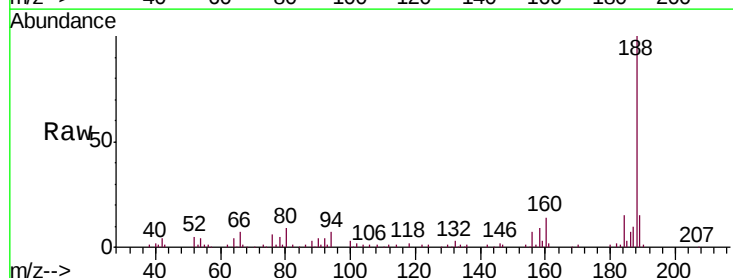
Tgt Ion:188 Resp: 140889

Ion Ratio Lower Upper

188 100

94 7.3 8.7 13.1#

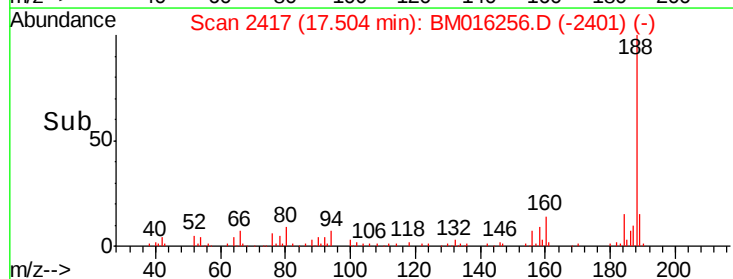
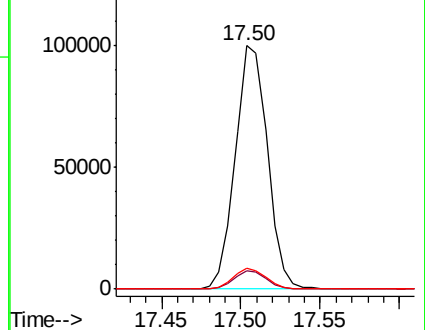
80 8.6 9.3 13.9#

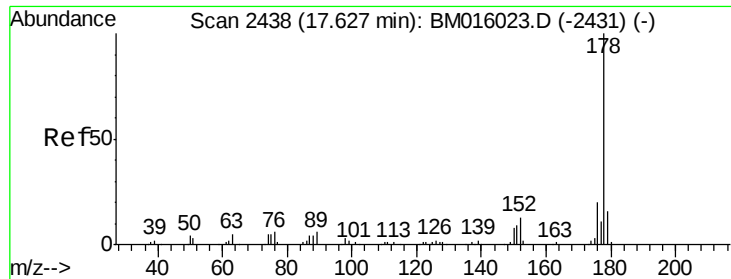


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

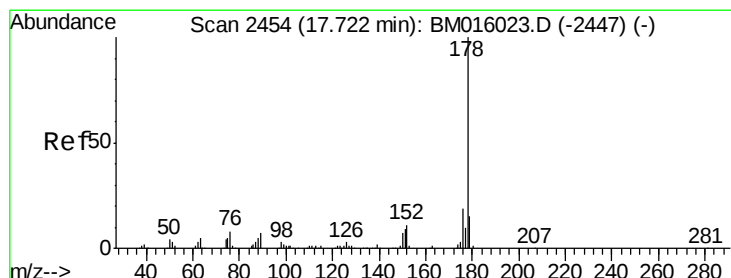
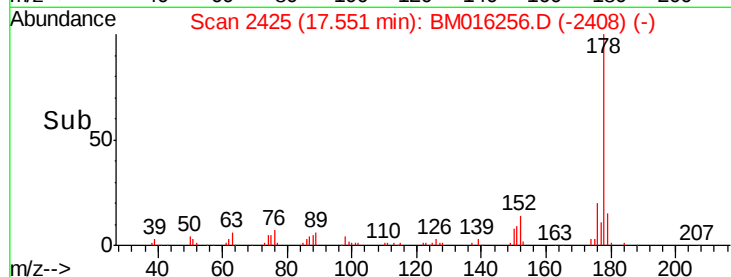
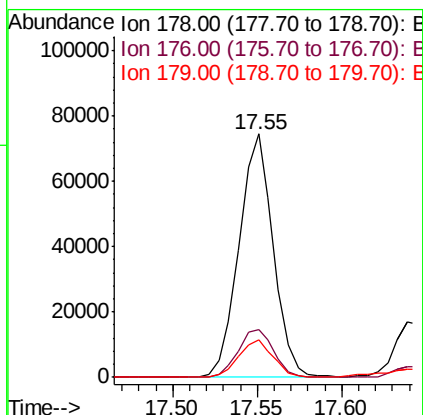
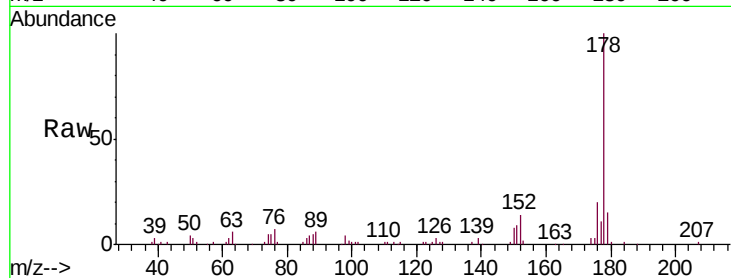




#70
Phenanthrene
Concen: 13.321 ng
RT: 17.55 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

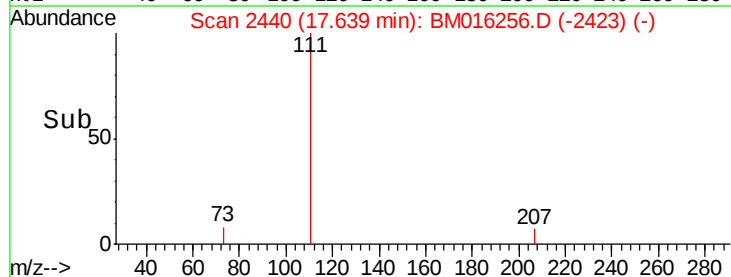
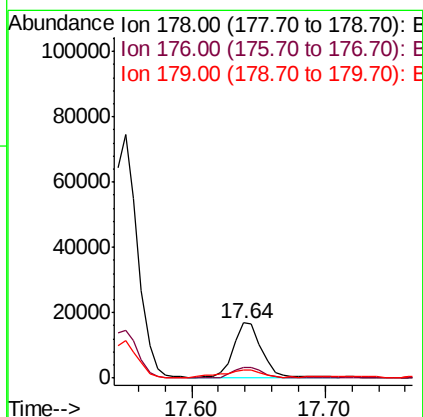
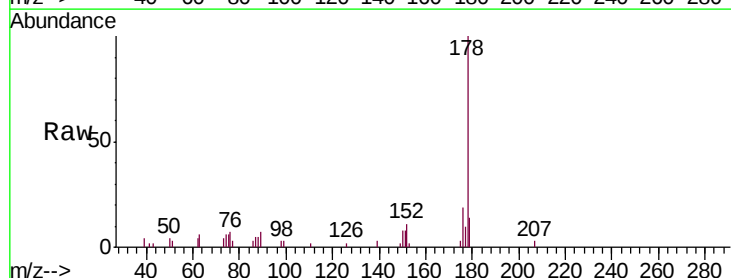
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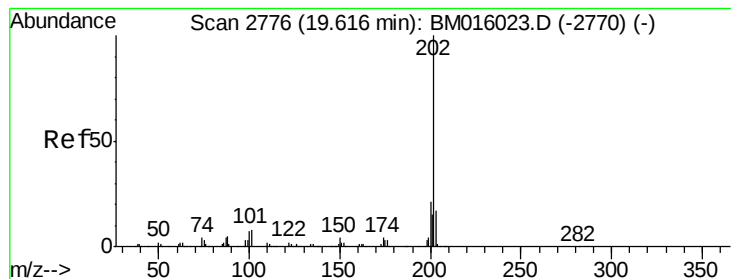
Tgt Ion:178 Resp: 105075
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.5 12.1 18.1



#71
Anthracene
Concen: 3.400 ng
RT: 17.64 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion:178 Resp: 26065
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 14.4 12.6 19.0





#74

Fluoranthene

Concen: 21.571 ng

RT: 19.54 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

ClientSampleId :

C-13

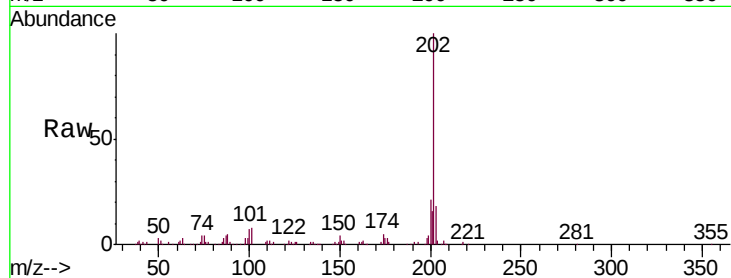
Tgt Ion:202 Resp: 189800

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.7

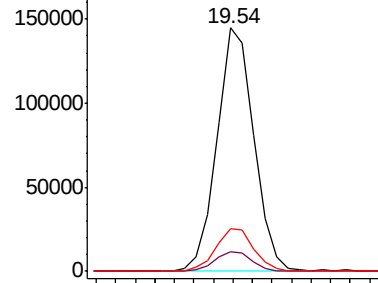
203 17.5 0.0 37.2



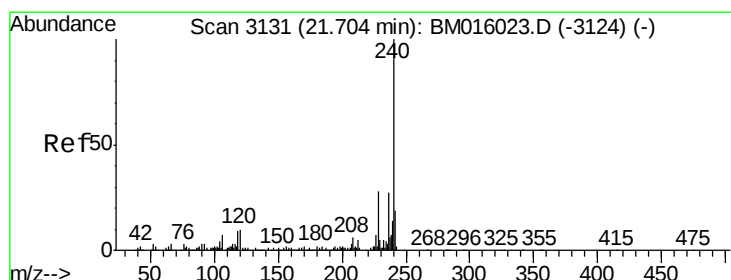
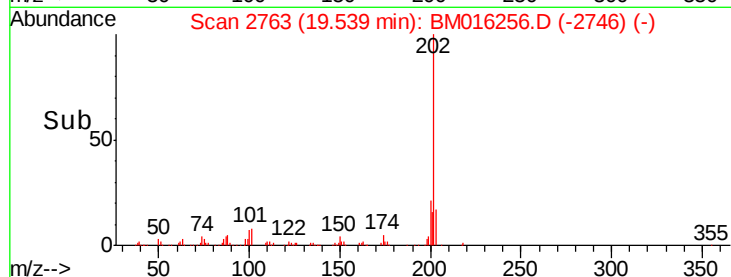
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

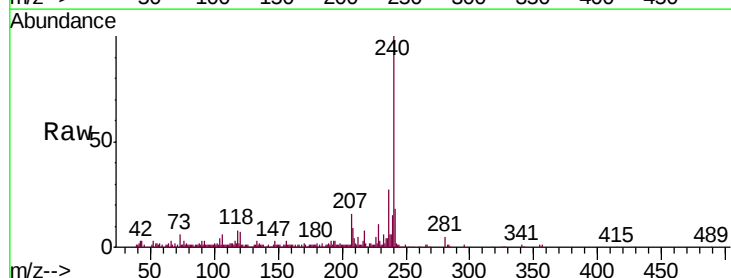
Tgt Ion:240 Resp: 156884

Ion Ratio Lower Upper

240 100

120 7.5 8.2 12.2#

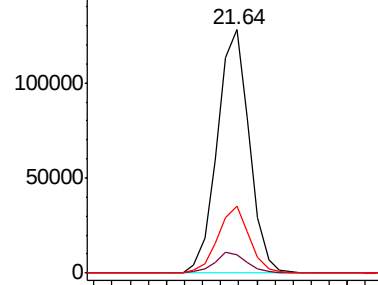
236 27.4 20.0 30.0



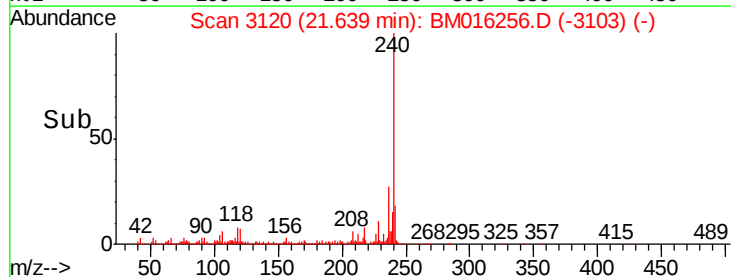
Abundance Ion 240.00 (239.70 to 240.70): E

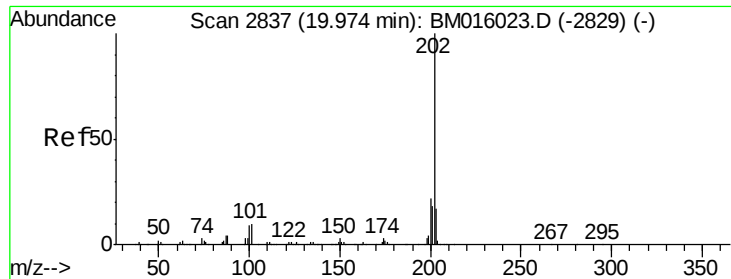
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 17.990 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

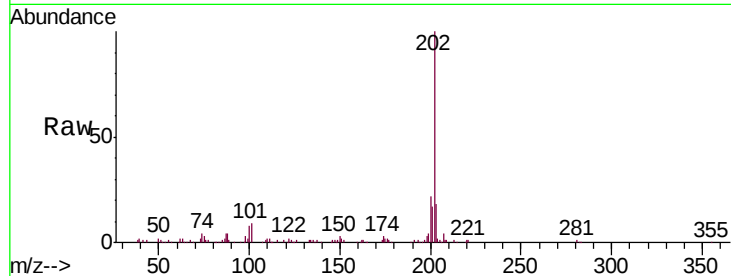
Instrument :

BNA_M

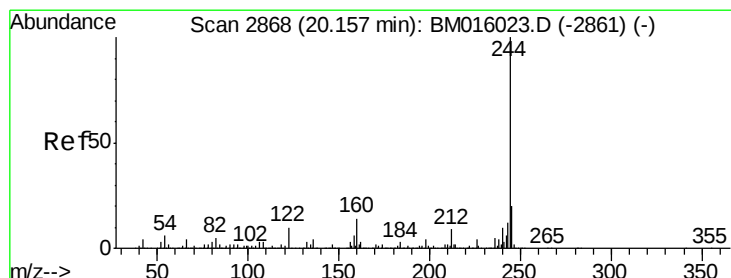
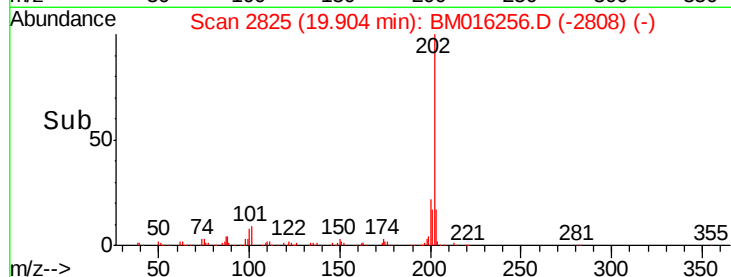
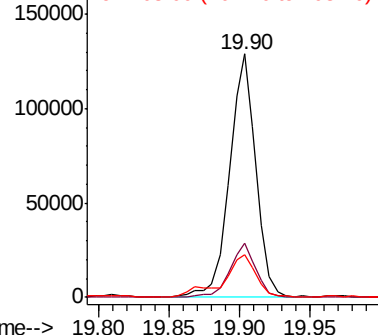
ClientSampleId :

C-13

Tgt Ion:	202	Resp:	169134
Ion	Ratio	Lower	Upper
202	100		
200	22.1	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: 17.990 ng

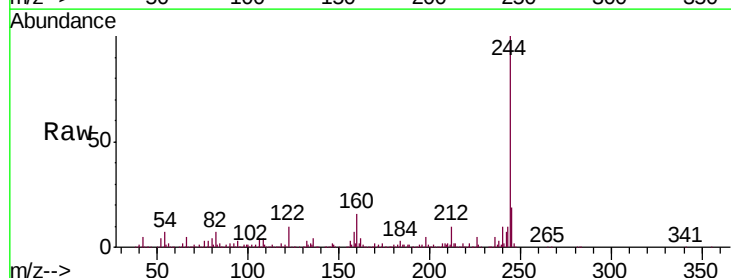
RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

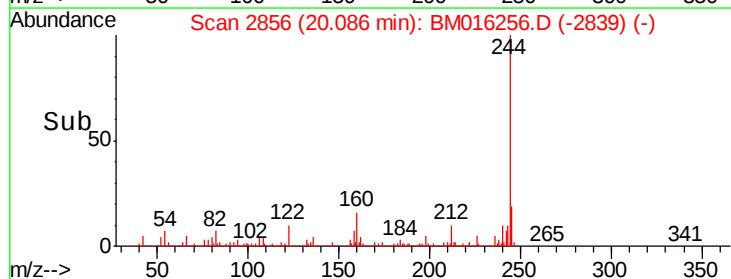
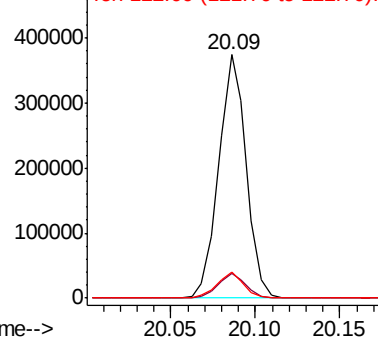
Lab File: BM016256.D

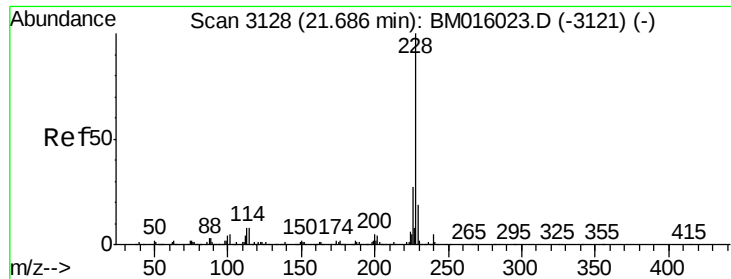
Acq: 08 Aug 2018 18:55

Tgt Ion:	244	Resp:	424702
Ion	Ratio	Lower	Upper
244	100		
212	10.0	4.9	7.3#
122	10.5	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

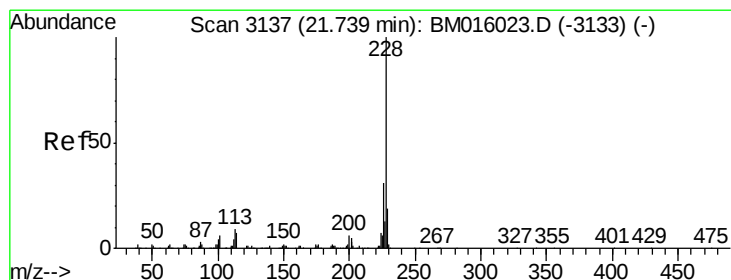
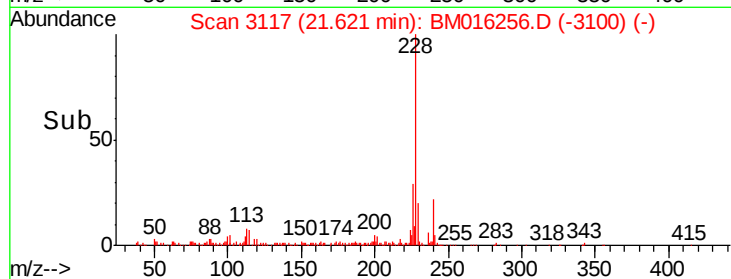
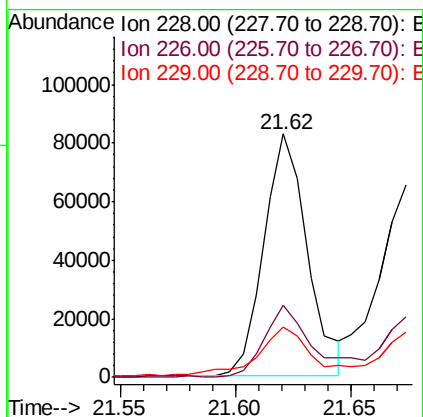
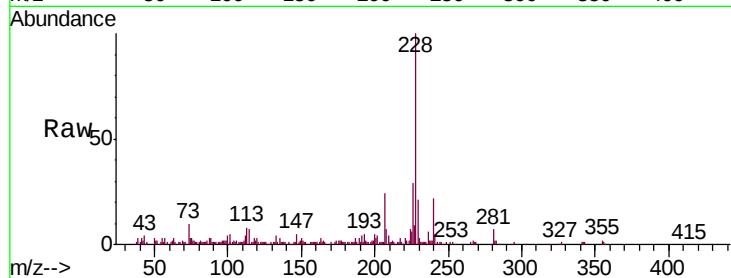




#80
Benzo(a)anthracene
Concen: 11.190 ng
RT: 21.62 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

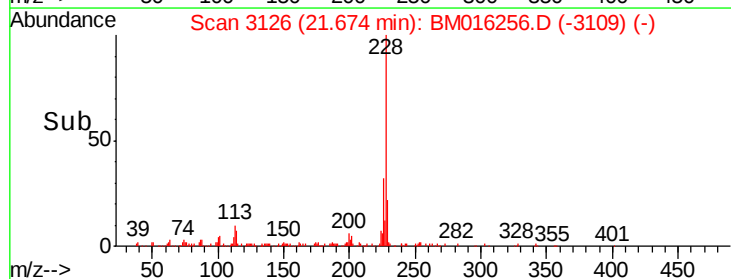
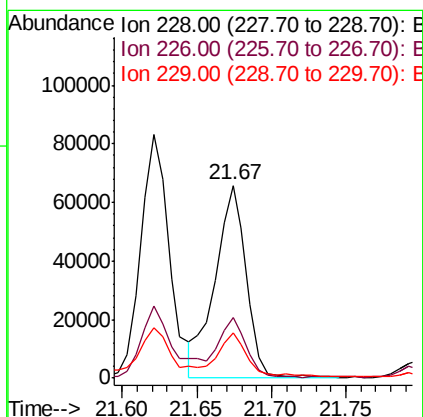
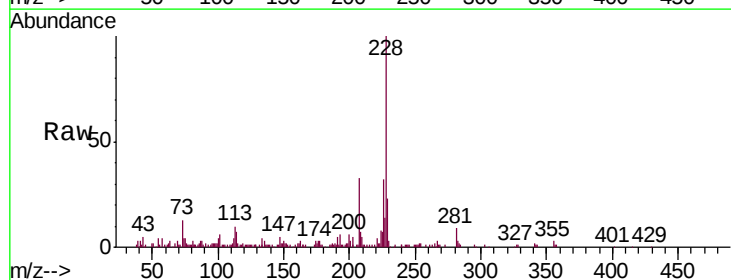
Instrument :
BNA_M
ClientSampled :
C-13

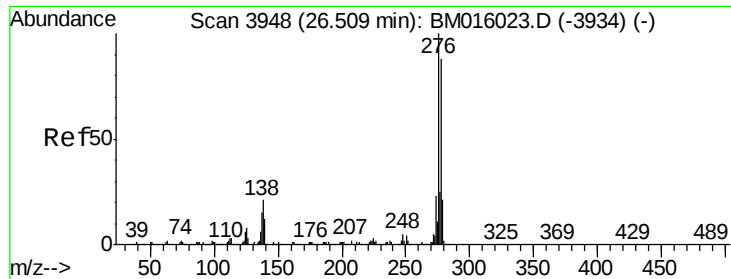
Tgt Ion:228 Resp: 108124
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 20.6 16.0 24.0



#82
Chrysene
Concen: 10.276 ng
RT: 21.67 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion:228 Resp: 95245
Ion Ratio Lower Upper
228 100
226 31.7 24.1 36.1
229 23.2 15.5 23.3

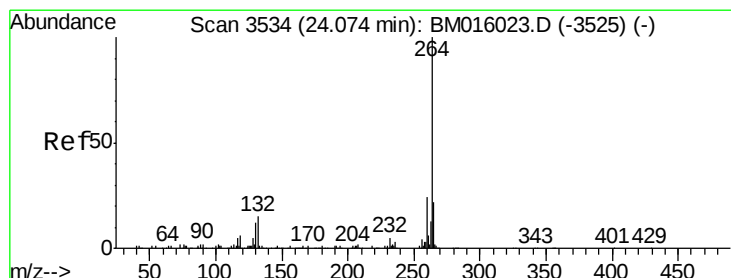
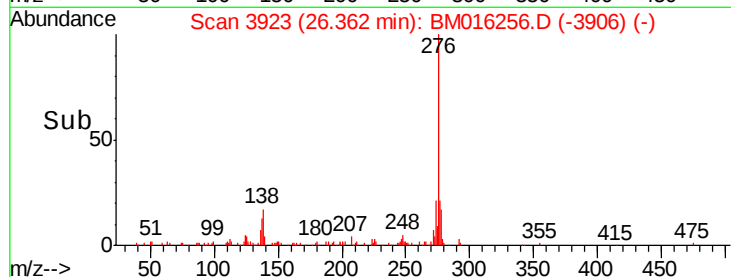
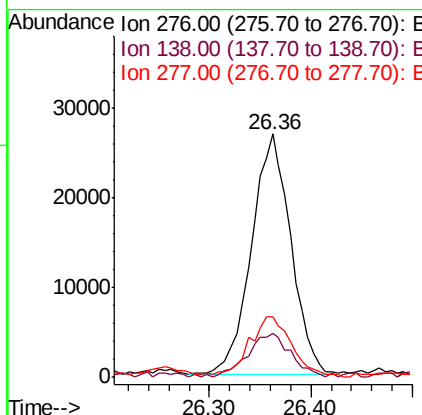
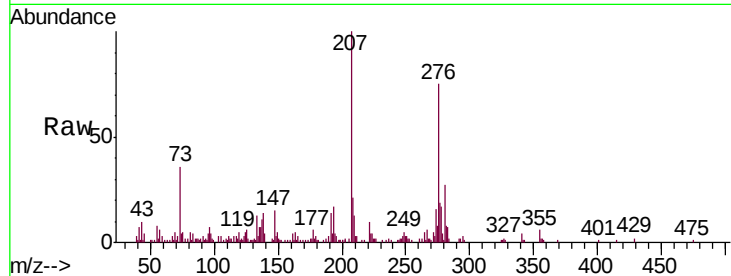




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.556 ng
 RT: 26.36 min Scan# 3923
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

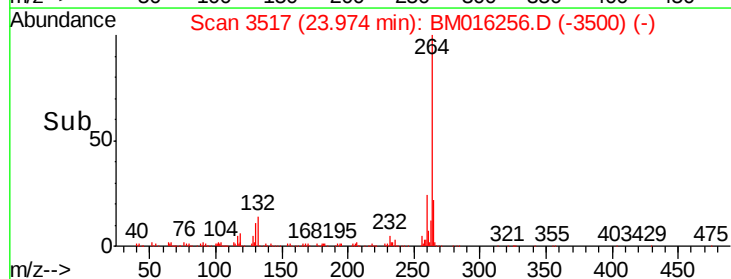
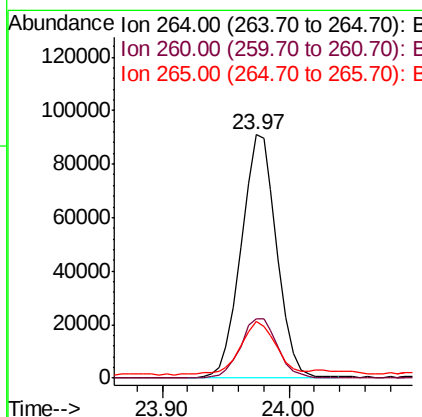
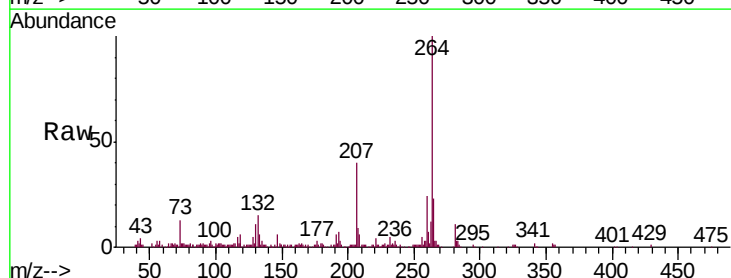
Instrument :
 BNA_M
 ClientSampleId :
 C-13

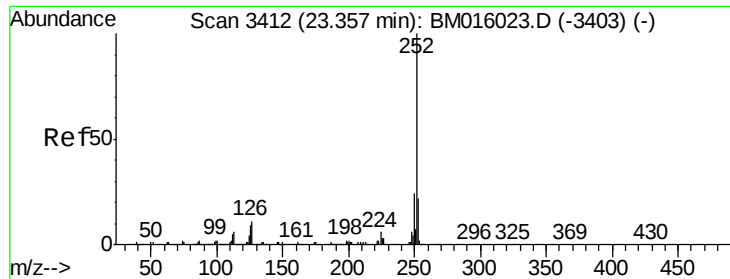
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	12.0	18.0#
277	28.0	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.97 min Scan# 3517
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	23.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 14.170 ng

RT: 23.27 min Scan# 3397

Delta R.T. 0.00 min

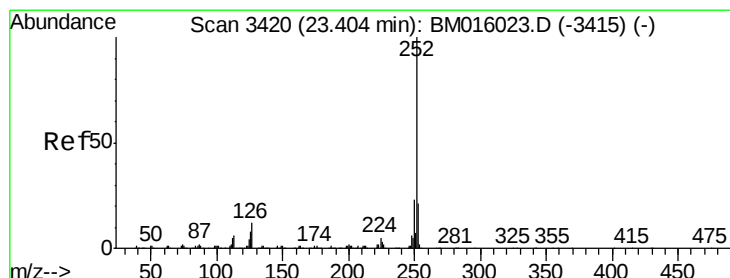
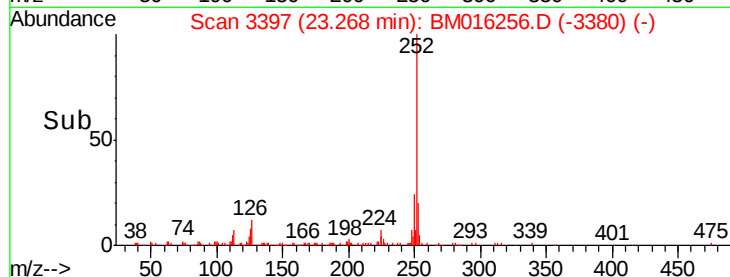
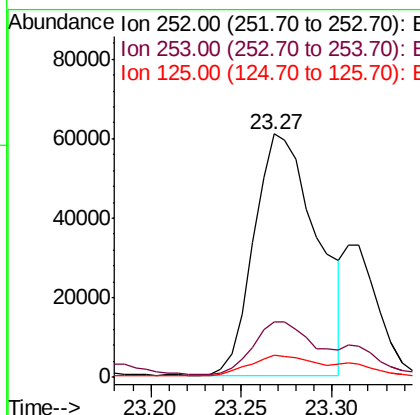
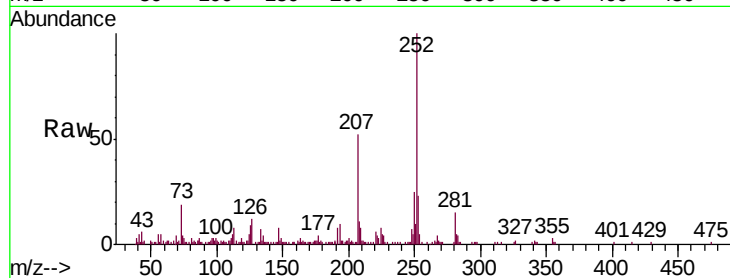
Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampleId :
C-13

Tgt Ion:252 Resp: 147273

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	8.9	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 13.972 ng

RT: 23.27 min Scan# 3397

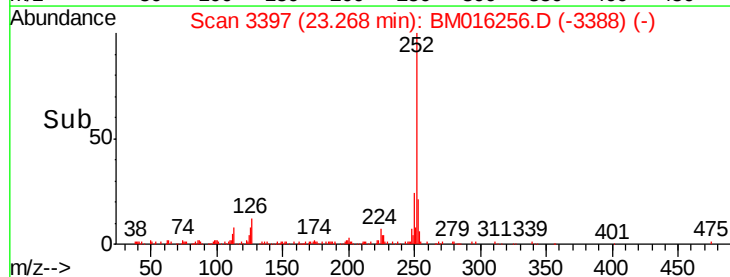
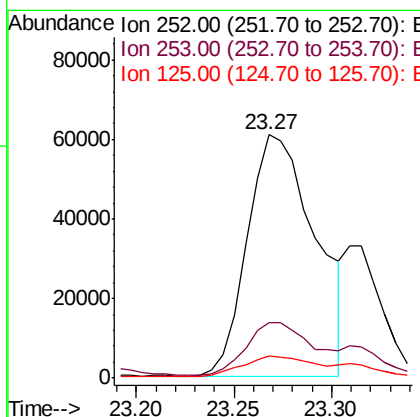
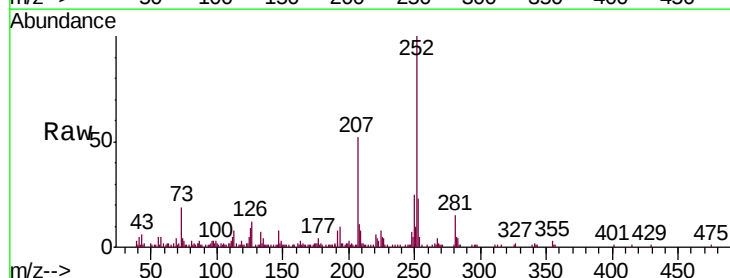
Delta R.T. -0.05 min

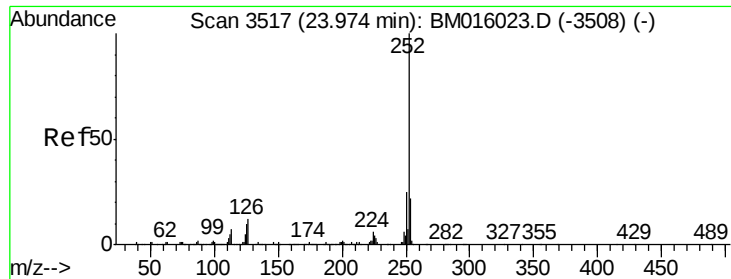
Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Tgt Ion:252 Resp: 147168

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	8.9	8.1	12.1

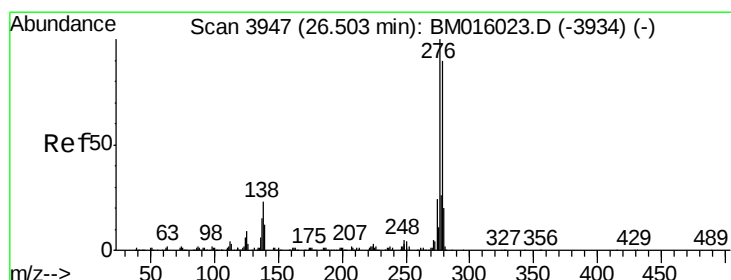
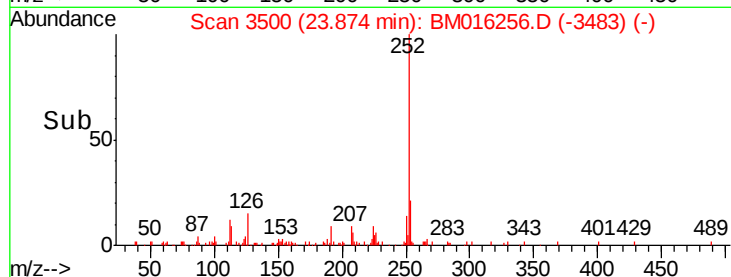
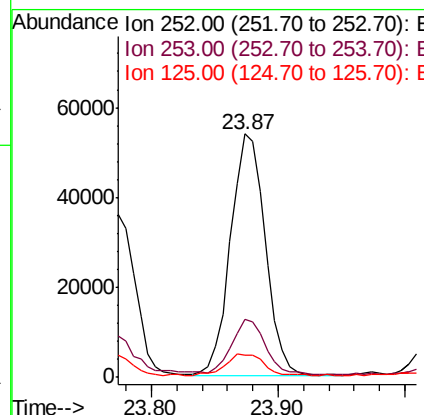
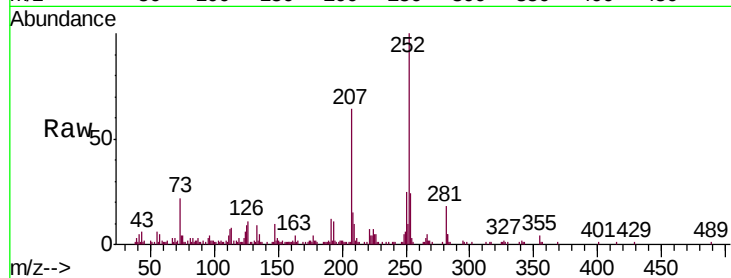




#89
Benzo(a)pyrene
Concen: 10.207 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

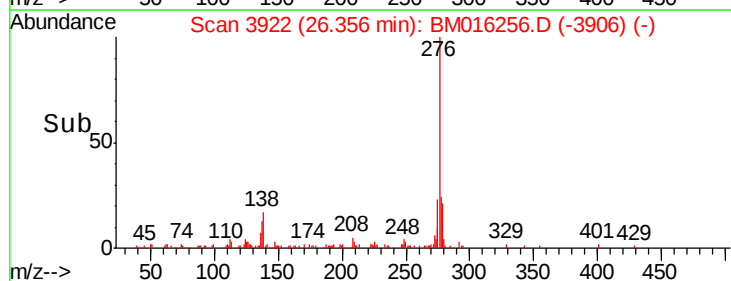
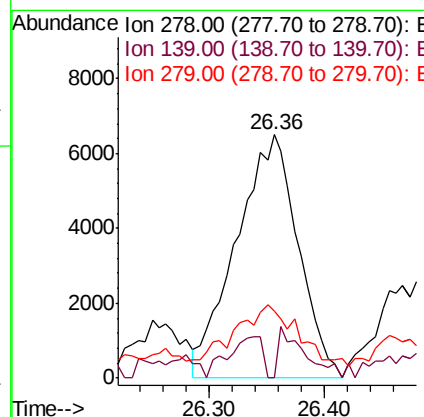
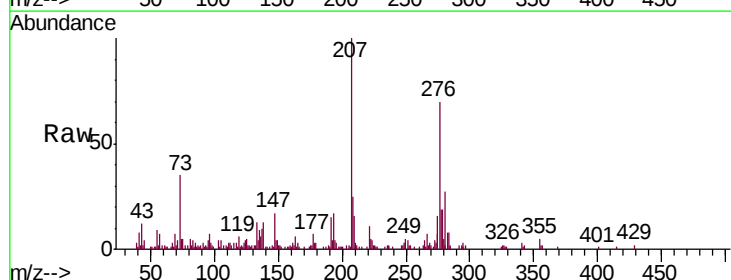
Instrument :
BNA_M
ClientSampleId :
C-13

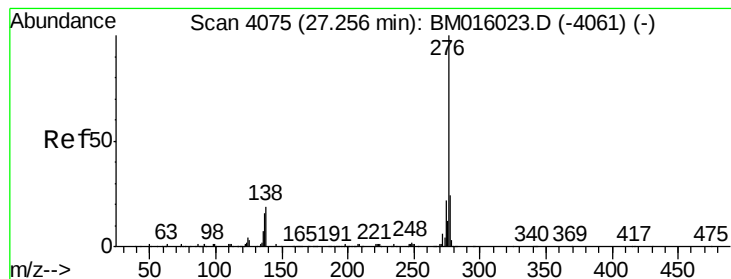
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.3	7.4	11.2



#90
Dibenzo(a,h)anthracene
Concen: 2.339 ng
RT: 26.36 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	27.6	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 7.549 ng

RT: 27.10 min Scan# 4048

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

ClientSampleId :

C-13

Tgt Ion: 276 Resp: 73913

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 17.2 19.0 28.6#

