

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018297.D
 Acq On : 19 Dec 2018 14:31
 Operator : JU/SJ
 Sample : J6319-11 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 15:43:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	97789	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	377311	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	206146	20.00	ng	-0.02
64) Phenanthrene-d10	16.90	188	461213	20.00	ng	-0.02
76) Chrysene-d12	21.13	240	542740	20.00	ng	-0.01
87) Perylene-d12	23.29	264	594297	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	253314	43.27	ng	0.00
7) Phenol-d6	6.69	99	329980	40.56	ng	-0.02
23) Nitrobenzene-d5	8.65	82	206892	28.13	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	111138	36.73	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	329141	20.68	ng	-0.02
79) Terphenyl-d14	19.56	244	494895	20.62	ng	-0.01

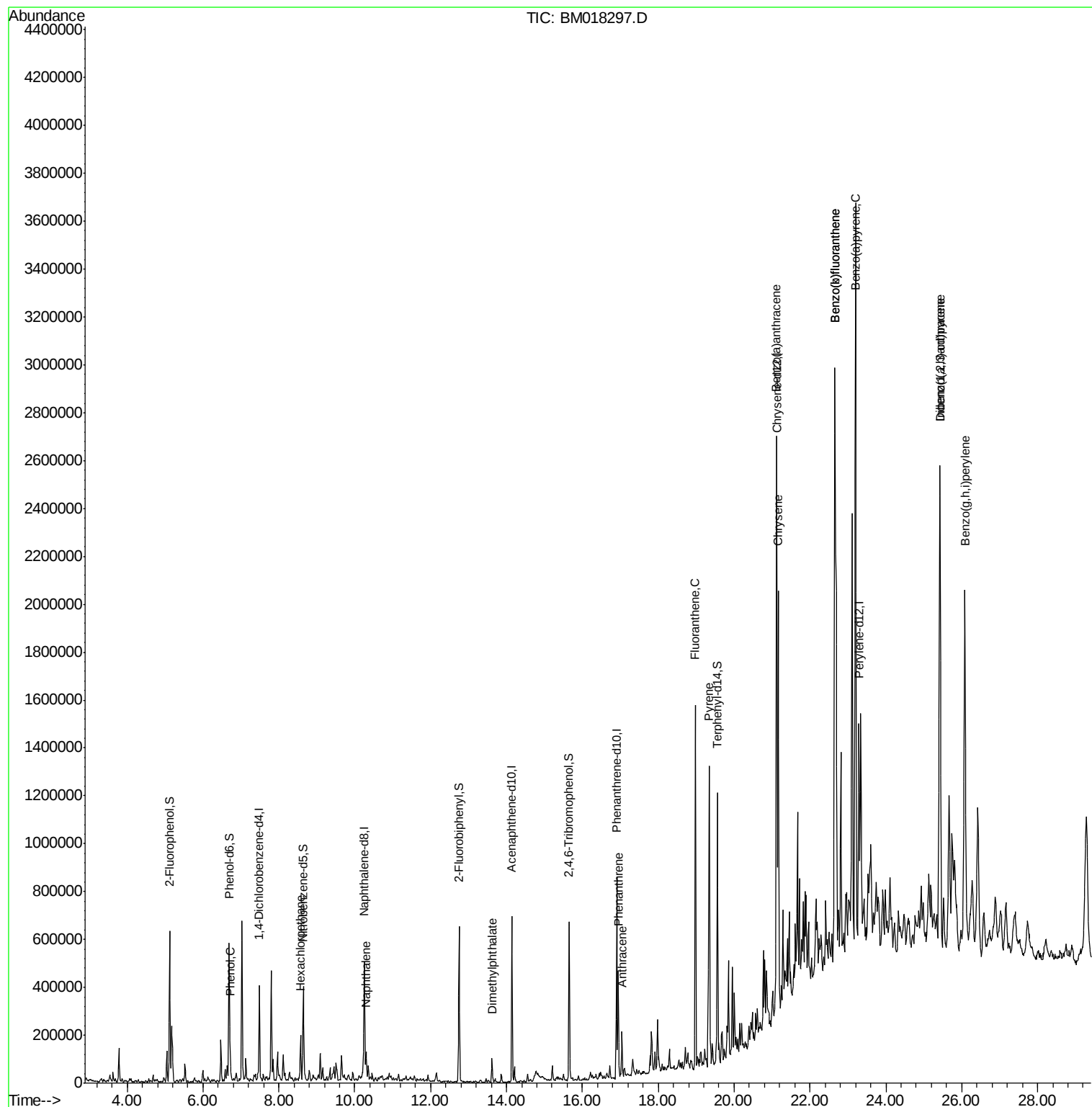
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.72	94	27601	3.203	ng	95
18) Hexachloroethane	8.57	117	19103	6.645	ng	# 1
31) Naphthalene	10.30	128	39801	2.157	ng	# 89
50) Dimethylphthalate	13.62	163	63245	3.690	ng	# 98
71) Phenanthrene	16.95	178	242107	9.664	ng	100
72) Anthracene	17.04	178	111350	4.480	ng	98
75) Fluoranthene	18.98	202	824521	28.308	ng	100
78) Pyrene	19.35	202	784801	24.268	ng	100
81) Benzo(a)anthracene	21.12	228	1055234	33.284	ng	97
83) Chrysene	21.17	228	897016	29.415	ng	97
86) Indeno(1,2,3-cd)pyrene	25.43	276	1640624	54.010	ng	95
88) Benzo(b)fluoranthene	22.66	252	2862836	85.757	ng	98
89) Benzo(k)fluoranthene	22.66	252	2859603	86.013	ng	97
90) Benzo(a)pyrene	23.20	252	2024098	63.750	ng	97
91) Dibenzo(a,h)anthracene	25.43	278	561148	19.079	ng	# 90
92) Benzo(g,h,i)perylene	26.08	276	1568379	56.413	ng	98

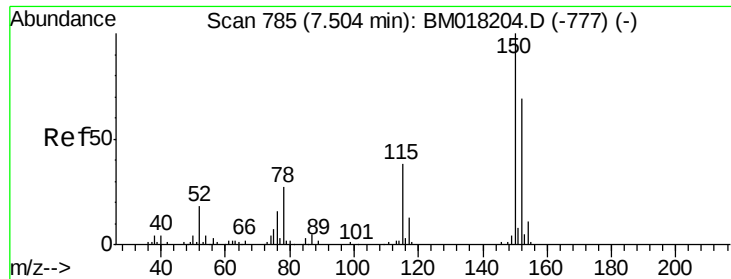
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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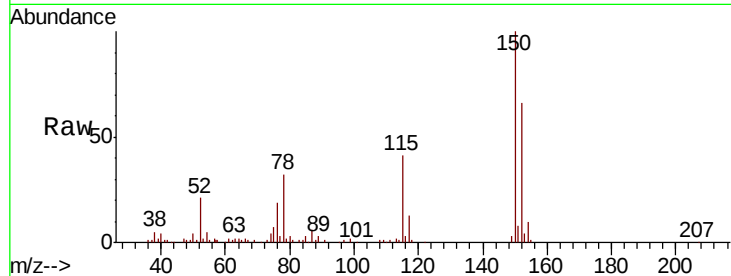


#1

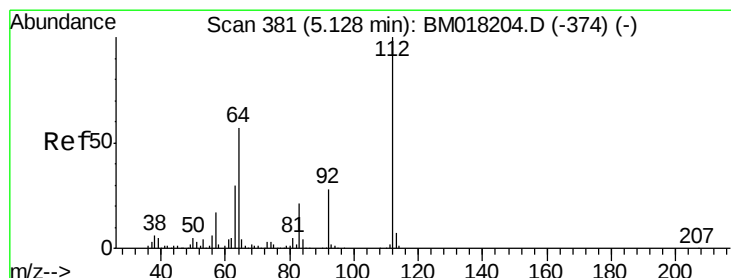
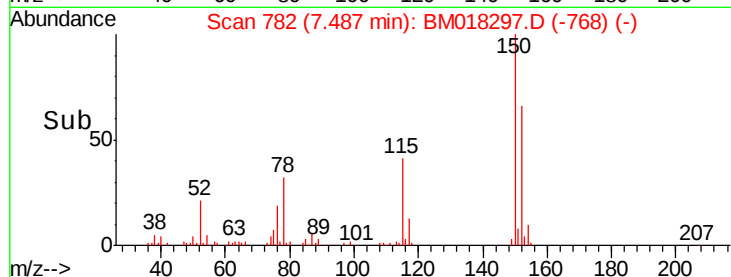
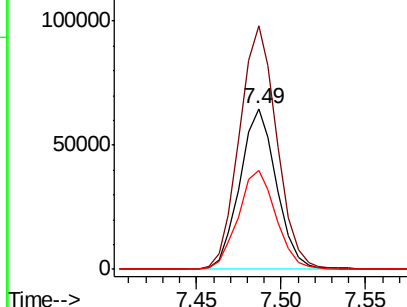
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	116.1	174.1
115	61.5	44.6	67.0



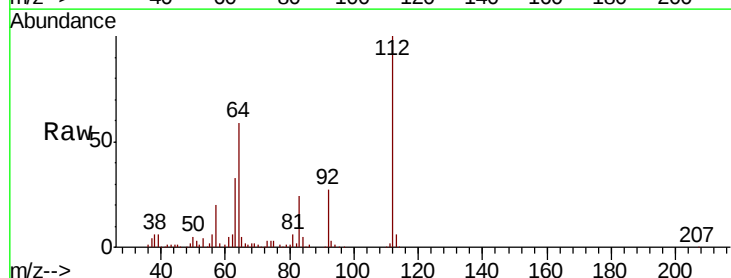
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



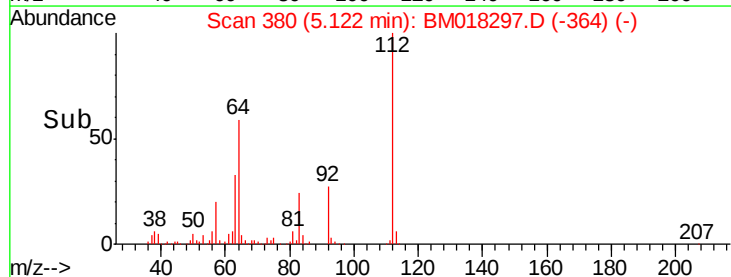
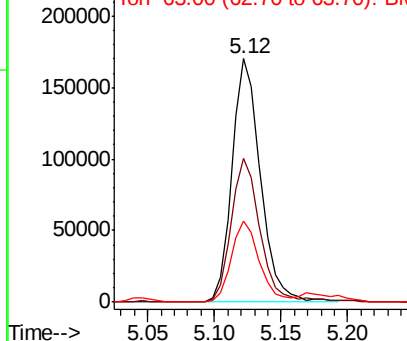
#5

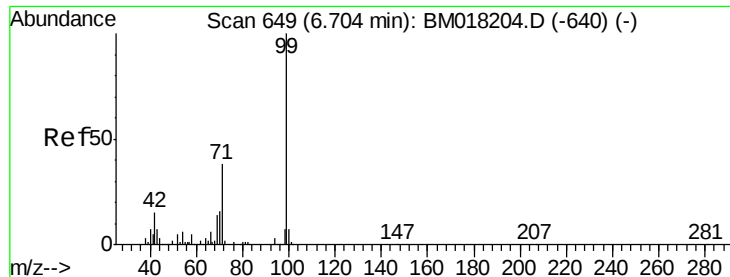
2-Fluorophenol
Concen: 43.272 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.2
63	33.1	24.0	36.0



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: 40.556 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

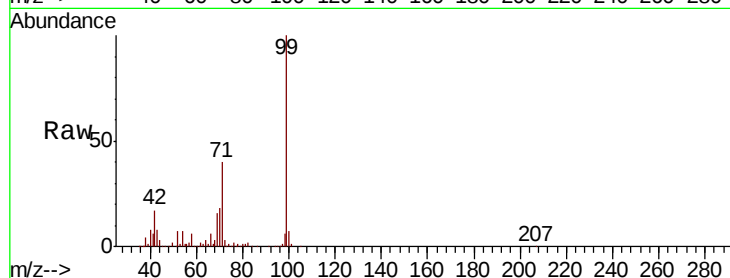
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 99 Resp: 329980

Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.3	18.5
71	39.9	30.2	45.2

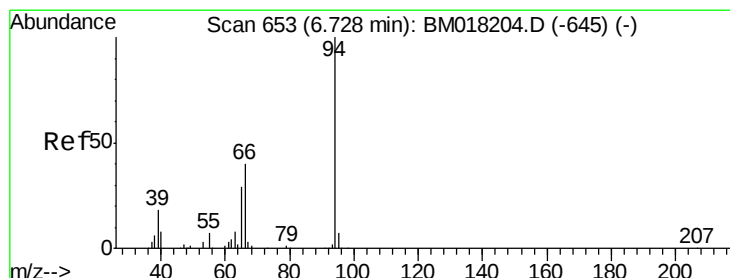
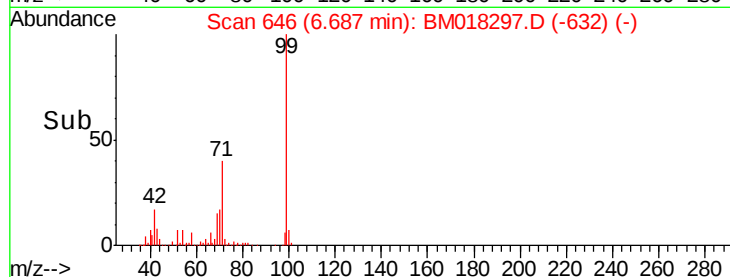
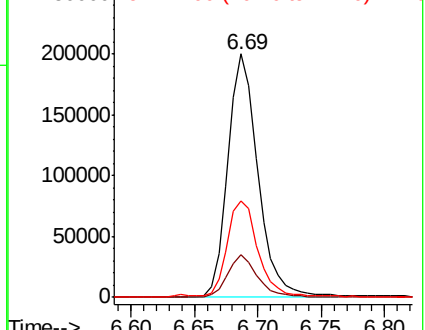


Abundance

Ion 99.00 (98.70 to 99.70): BM018297.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018297.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018297.D (-632) (-)



#10

Phenol

Concen: 3.203 ng

RT: 6.72 min Scan# 651

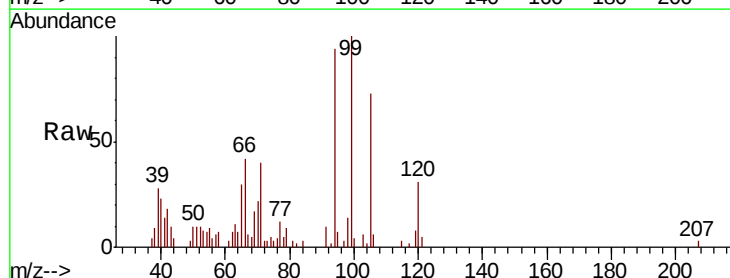
Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion: 94 Resp: 27601

Ion	Ratio	Lower	Upper
94	100		
65	32.1	9.5	49.5
66	44.9	21.3	61.3

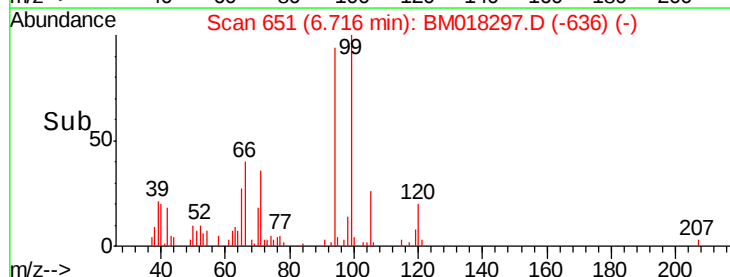
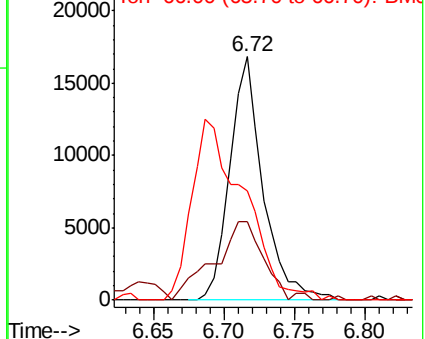


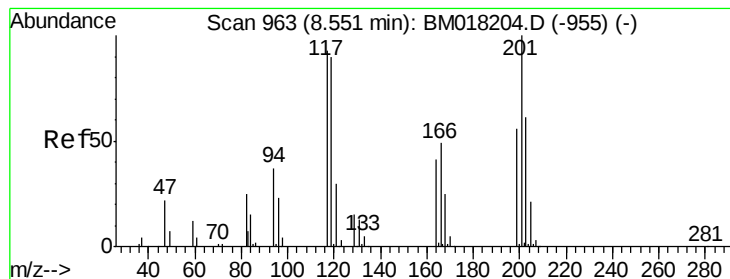
Abundance

Ion 94.00 (93.70 to 94.70): BM018297.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018297.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018297.D (-636) (-)





#18

Hexachloroethane

Concen: 6.645 ng

RT: 8.57 min Scan# 967

Delta R.T. 0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampleId :

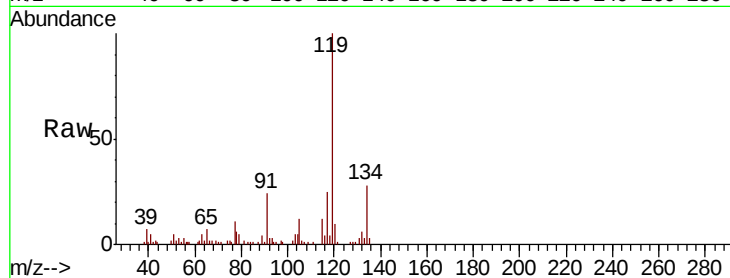
Tot Ion:117 Resp: 19103

Ion Ratio Lower Upper

117 100

119 404.7 77.0 115.4#

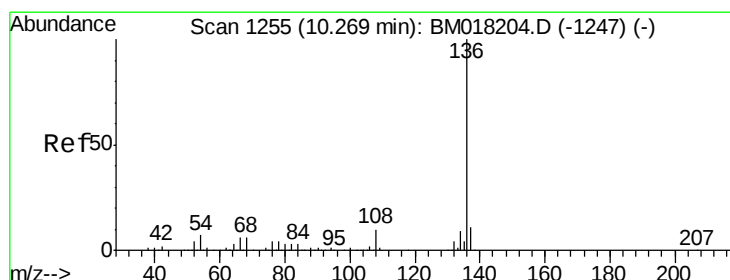
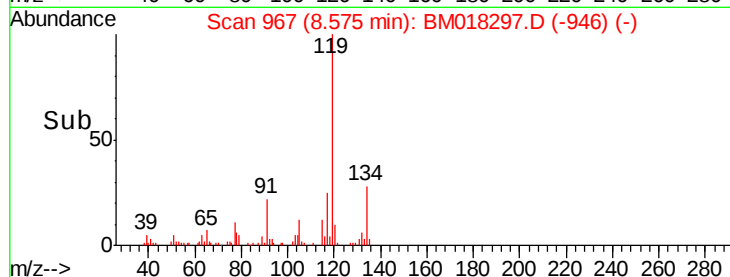
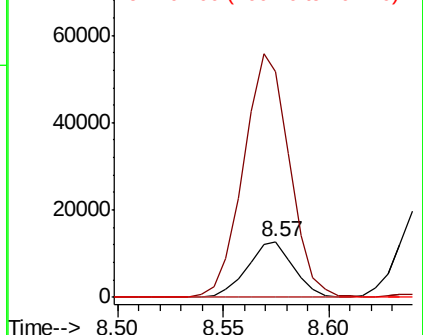
201 0.0 85.7 128.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion:136 Resp: 377311

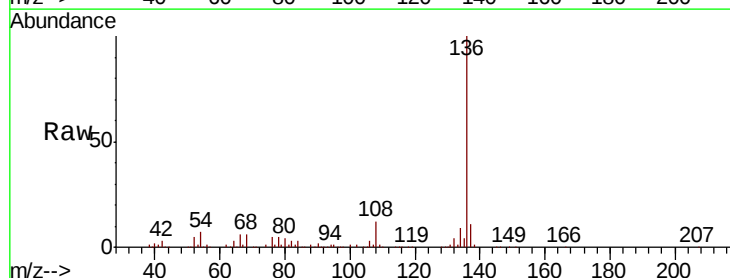
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 6.9 5.2 7.8

68 6.1 5.0 7.6

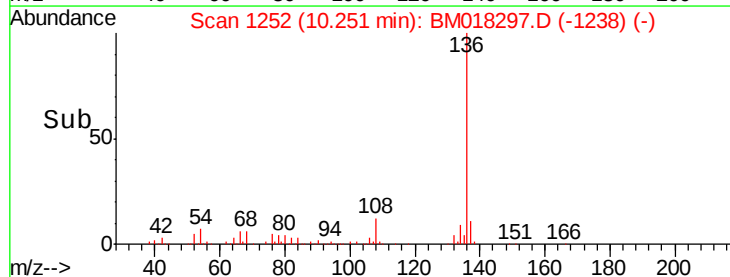
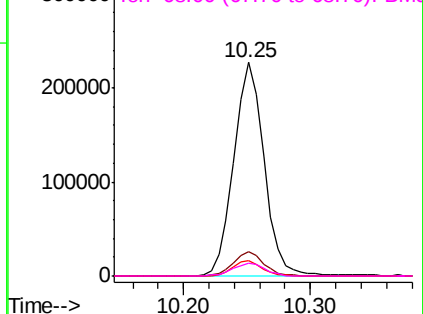


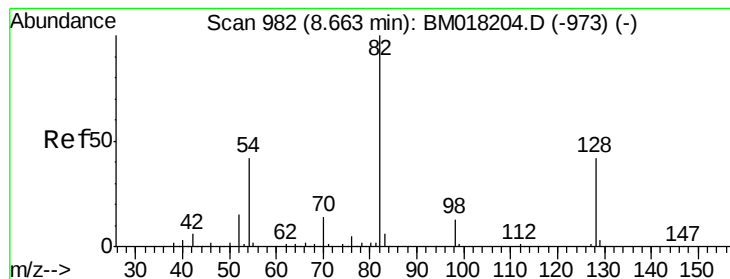
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0





#23

Nitrobenzene-d5

Concen: 28.126 ng

RT: 8.65 min Scan# 979

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampleId :

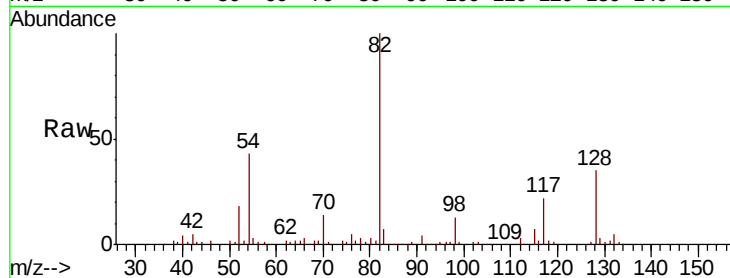
Tot Ion: 82 Resp: 206892

Ion Ratio Lower Upper

82 100

128 35.5 33.4 50.2

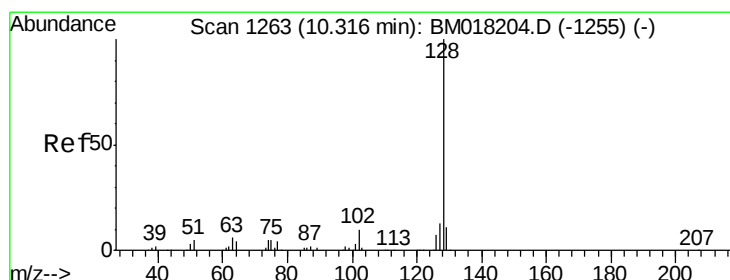
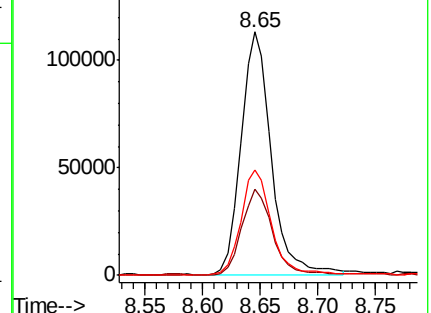
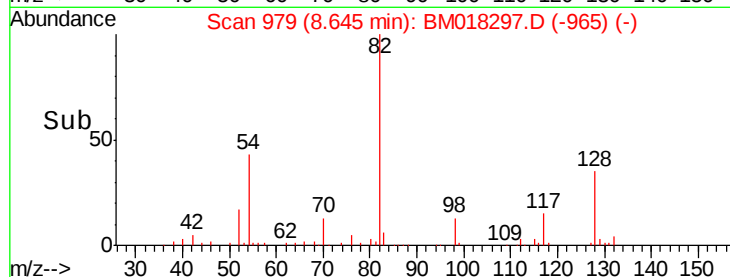
54 43.3 33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BM018204.D (-973) (-)

Ion 128.00 (127.70 to 128.70): BM018204.D (-973) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-973) (-)



#31

Naphthalene

Concen: 2.157 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

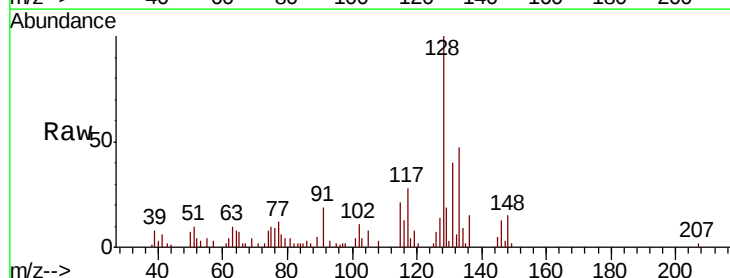
Tgt Ion:128 Resp: 39801

Ion Ratio Lower Upper

128 100

129 18.8 8.9 13.3#

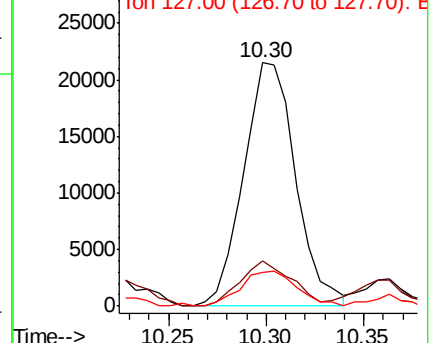
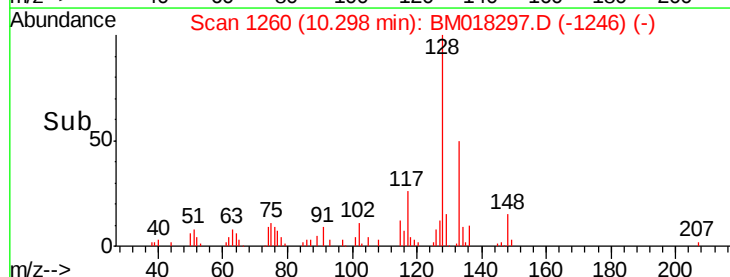
127 14.0 10.4 15.6

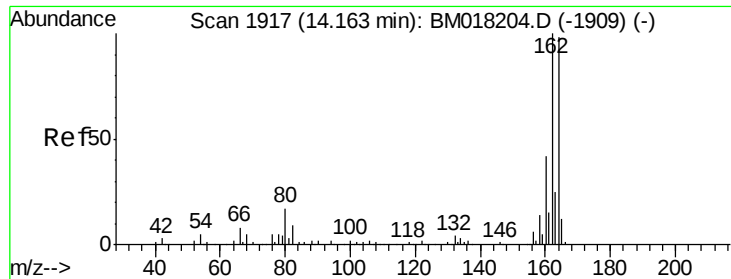


Abundance Ion 128.00 (127.70 to 128.70): BM018204.D (-1255) (-)

Ion 129.00 (128.70 to 129.70): BM018204.D (-1255) (-)

Ion 127.00 (126.70 to 127.70): BM018204.D (-1255) (-)

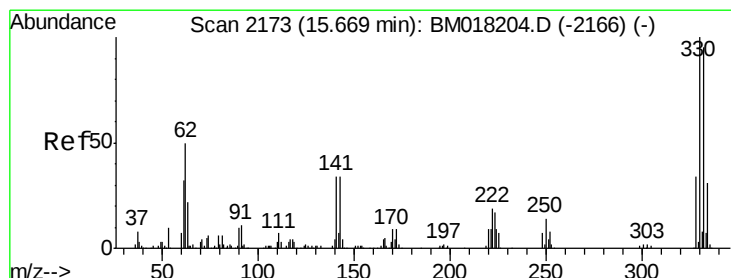
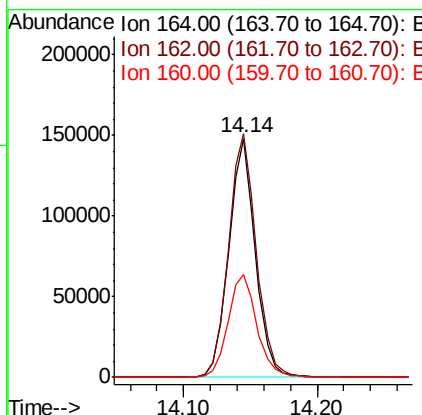
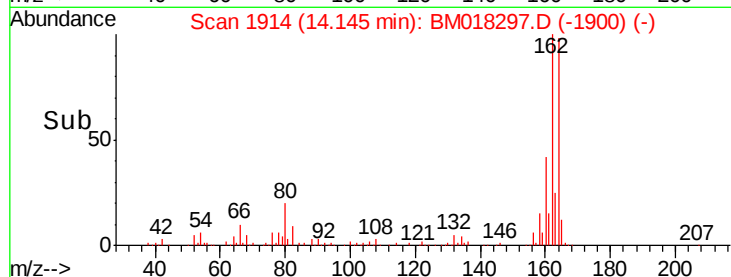
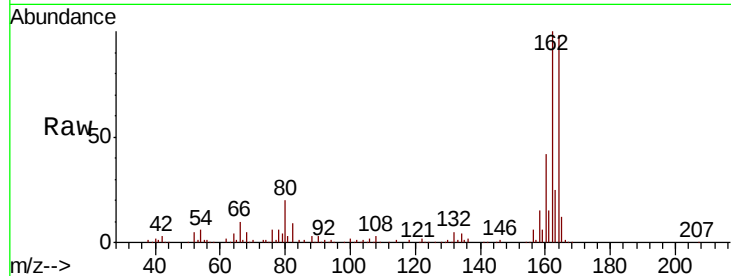




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

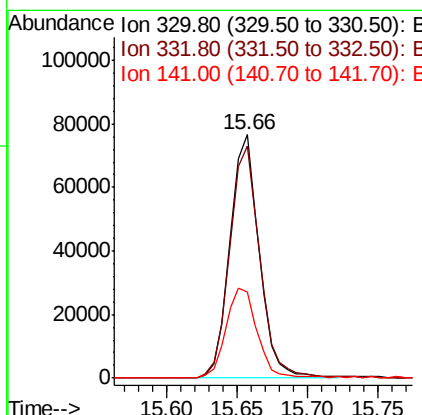
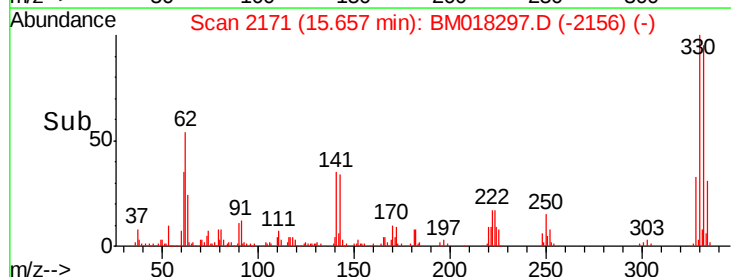
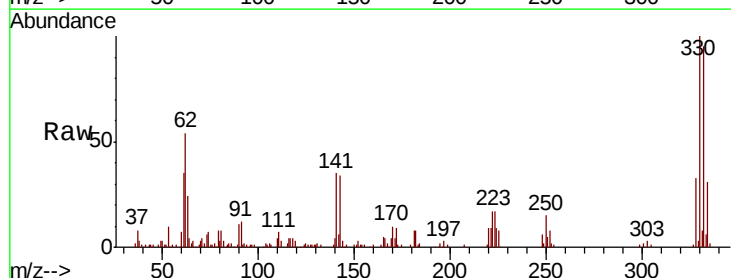
Instrument :
BNA_M
ClientSampleId :

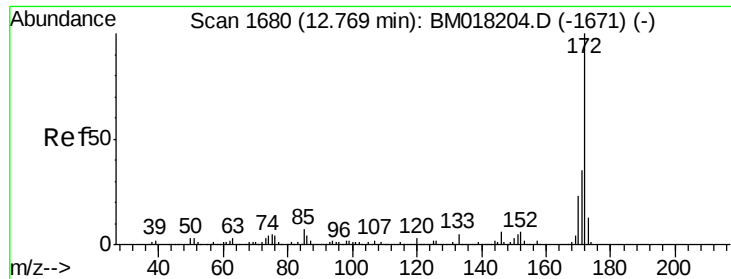
Tot Ion:164 Resp: 206146
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 43.0 34.6 51.8



#42
2,4,6-Tribromophenol
Concen: 36.732 ng
RT: 15.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion:330 Resp: 111138
Ion Ratio Lower Upper
330 100
332 98.4 78.6 118.0
141 39.5 27.1 40.7

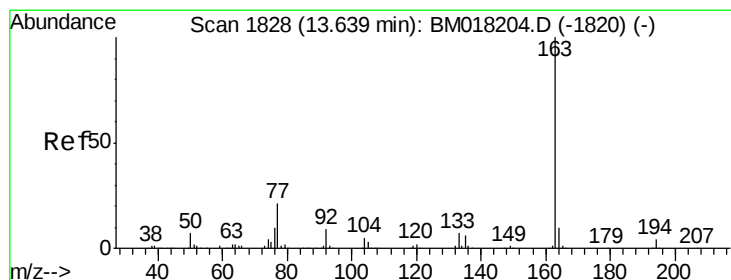
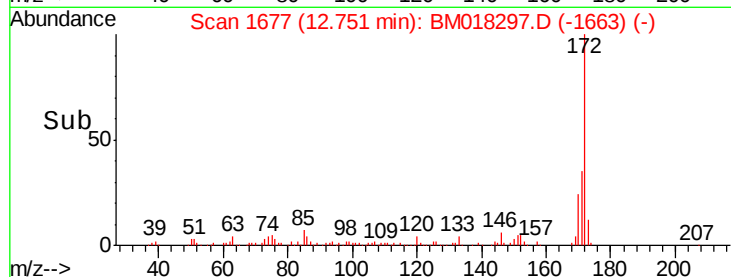
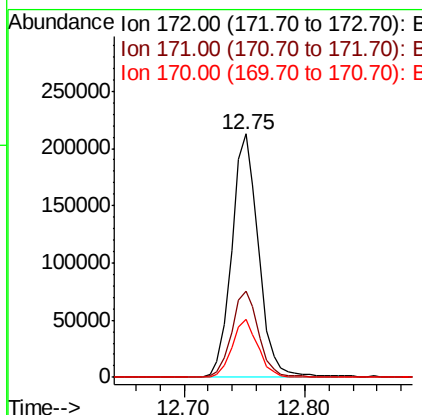
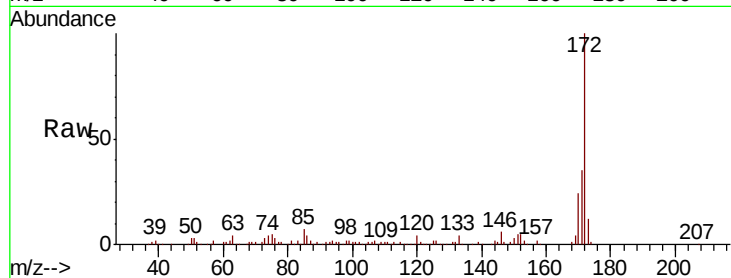




#45
2-Fluorobiphenyl
Concen: 20.680 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

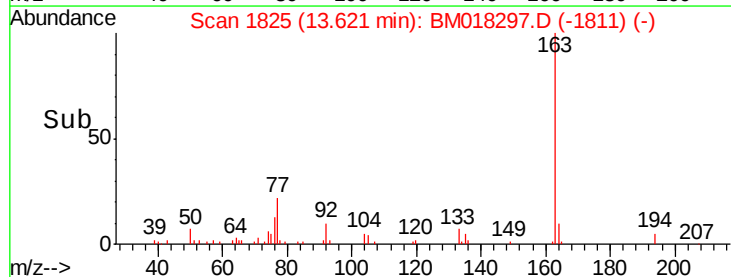
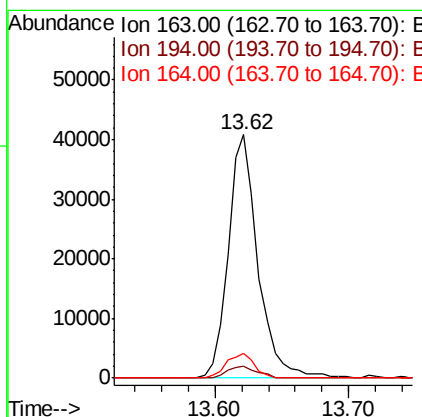
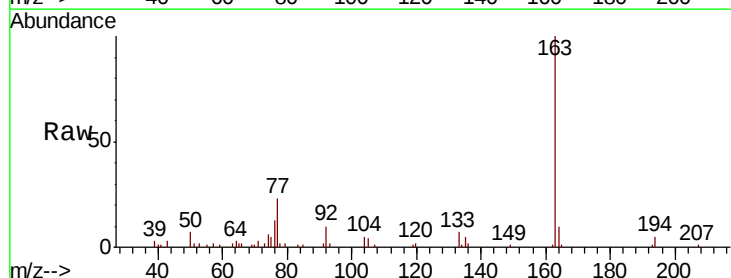
Instrument :
BNA_M
ClientSampled :

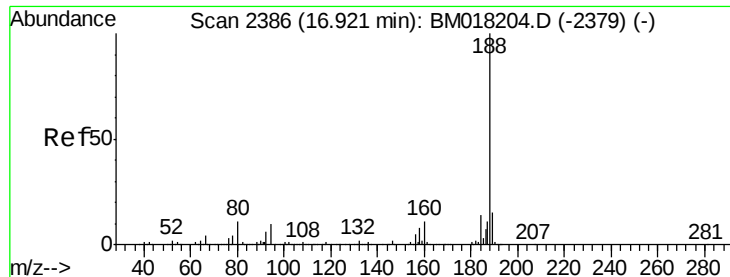
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	24.0	18.1	27.1



#50
Dimethylphthalate
Concen: 3.690 ng
RT: 13.62 min Scan# 1825
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.1	4.7#
164	10.1	7.9	11.9

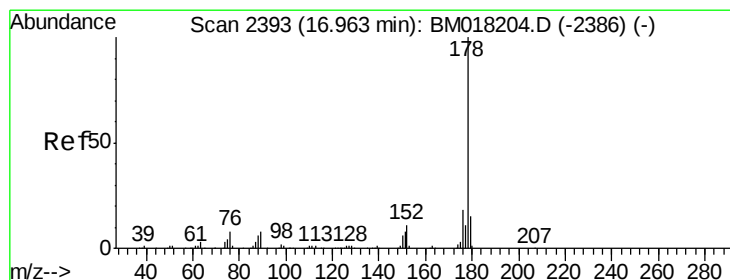
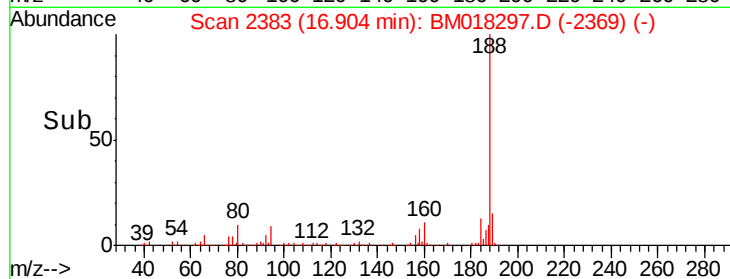
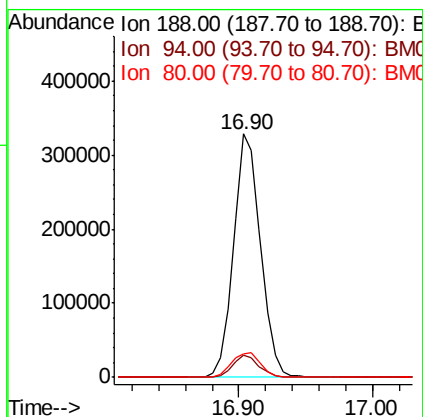
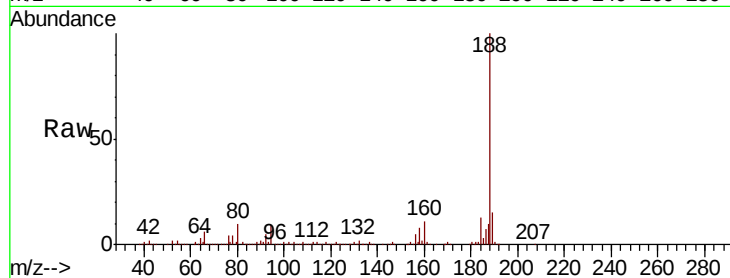




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.90 min Scan# 2383
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

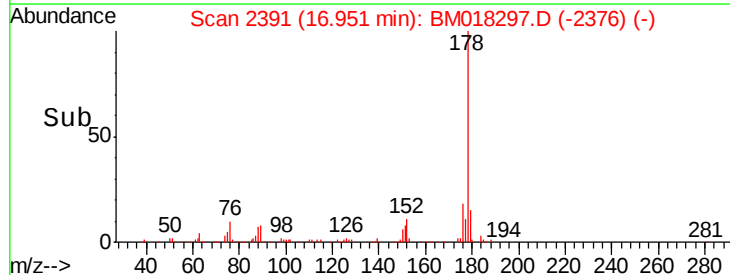
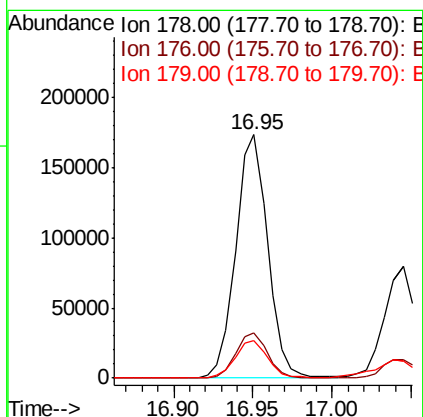
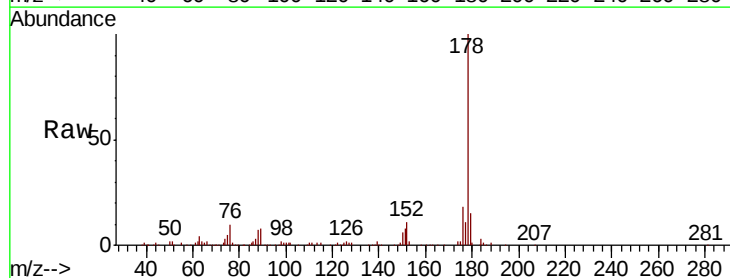
Instrument :
BNA_M
ClientSampleId :

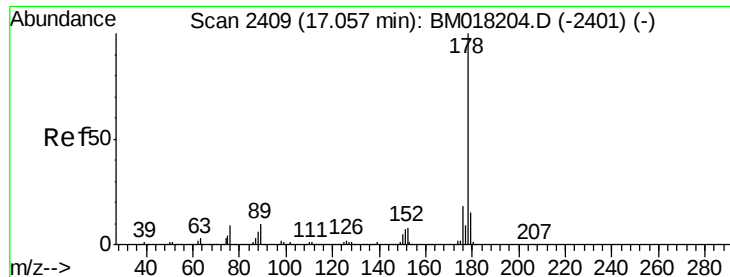
Tot Ion:188 Resp: 461213
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.8 9.0 13.6



#71
Phenanthrene
Concen: 9.664 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion:178 Resp: 242107
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.4 12.0 18.0





#72

Anthracene

Concen: 4.480 ng

RT: 17.04 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampleId :

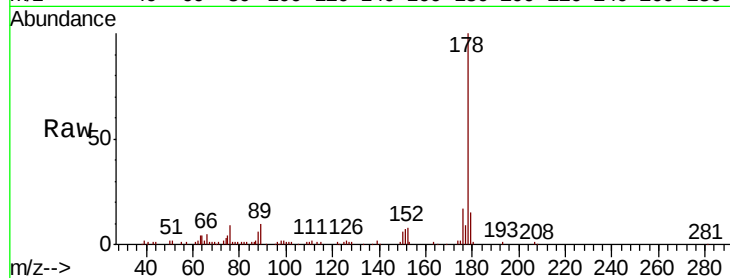
Tot Ion:178 Resp: 111350

Ion Ratio Lower Upper

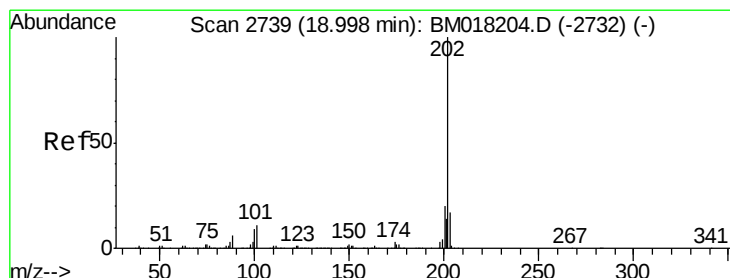
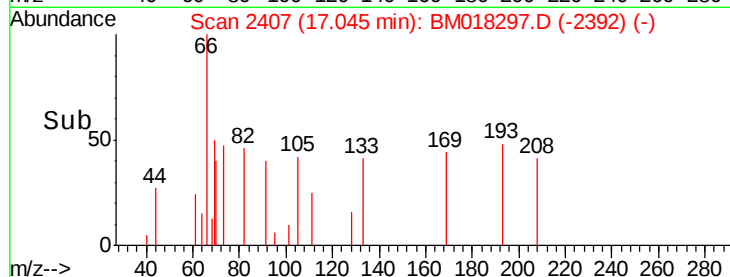
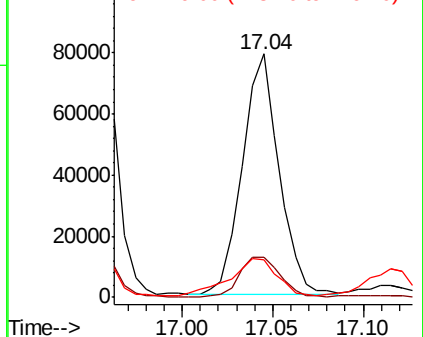
178 100

176 16.7 14.3 21.5

179 15.3 12.0 18.0



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



#75

Fluoranthene

Concen: 28.308 ng

RT: 18.98 min Scan# 2736

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

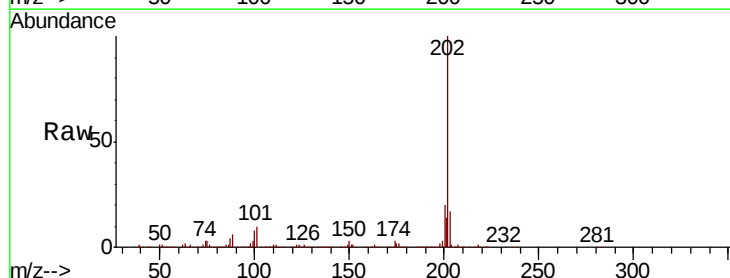
Tgt Ion:202 Resp: 824521

Ion Ratio Lower Upper

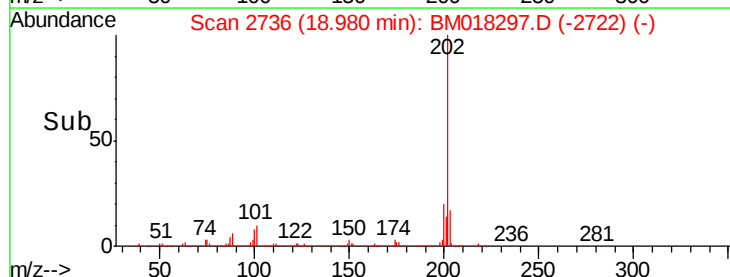
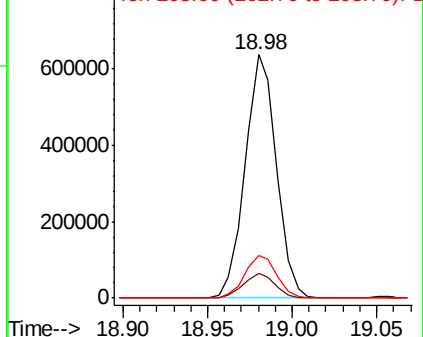
202 100

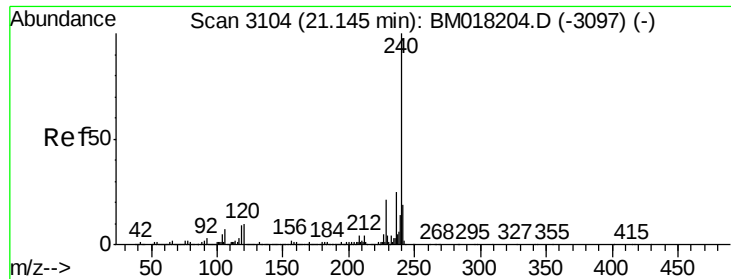
101 10.3 0.0 30.5

203 17.5 0.0 37.5



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

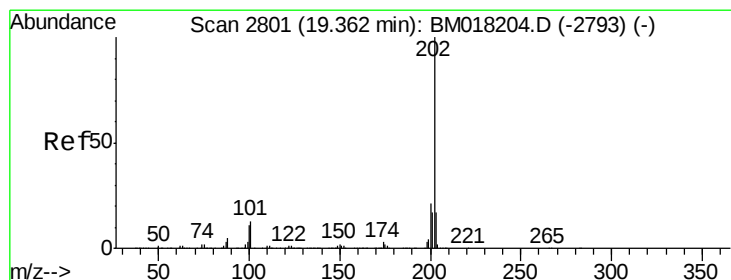
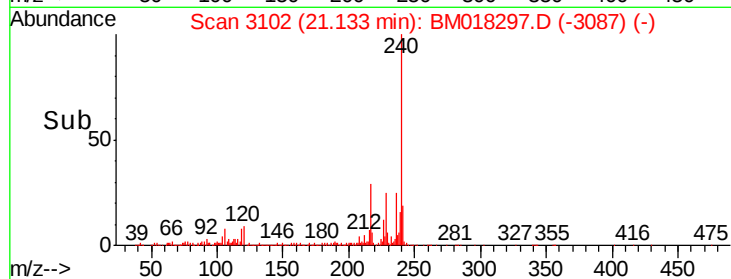
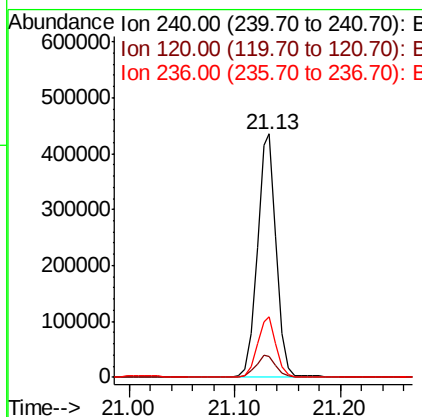
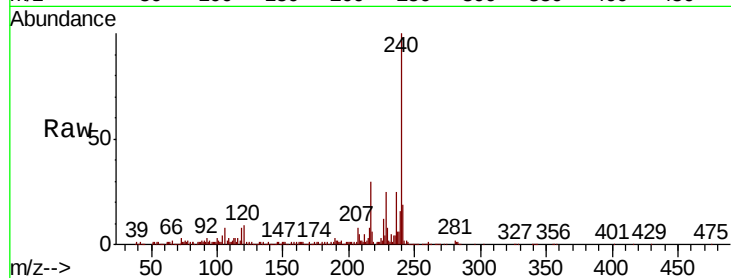




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

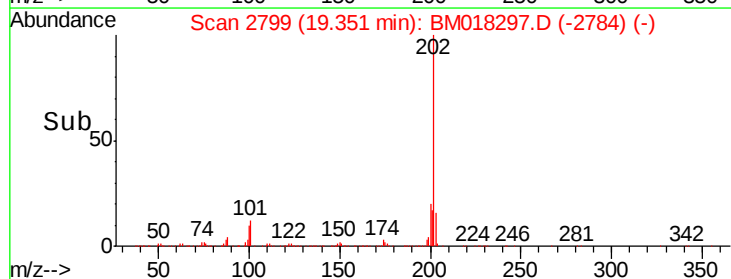
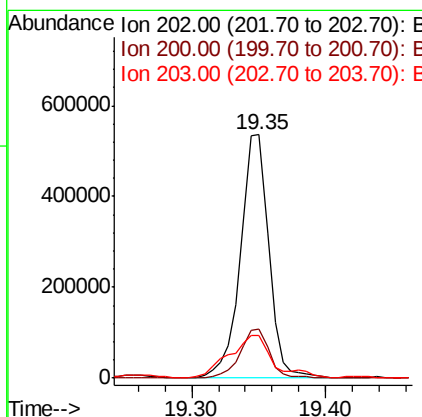
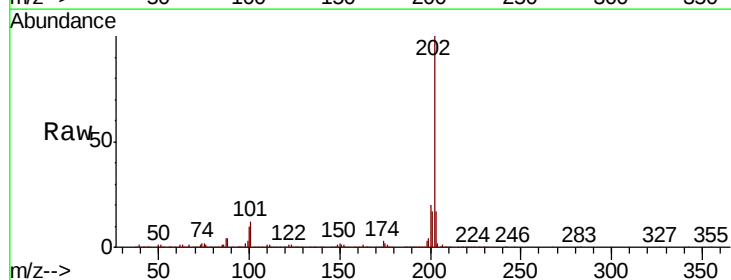
Instrument :
BNA_M
ClientSampleId :

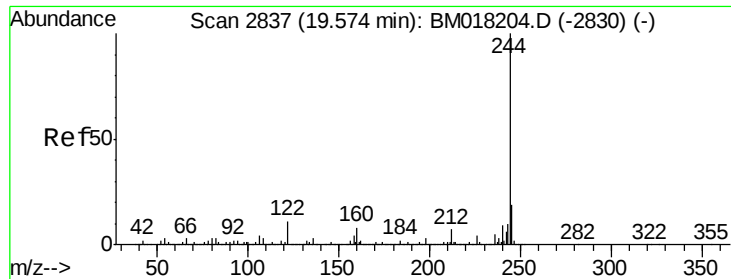
Tot Ion:240 Resp: 542740
Ion Ratio Lower Upper
240 100
120 8.7 8.2 12.2
236 24.9 20.3 30.5



#78
Pyrene
Concen: 24.268 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion:202 Resp: 784801
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 20.623 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampleId :

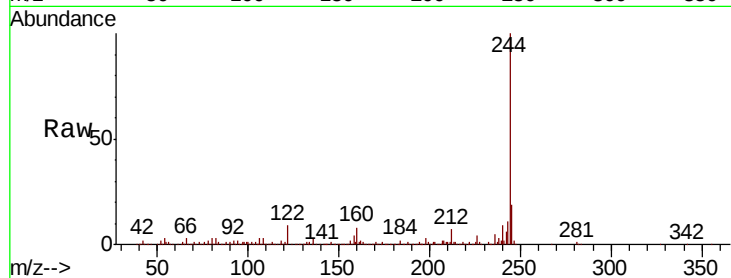
Tot Ion:244 Resp: 494895

Ion Ratio Lower Upper

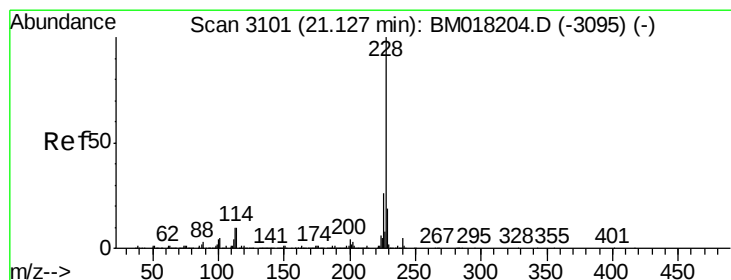
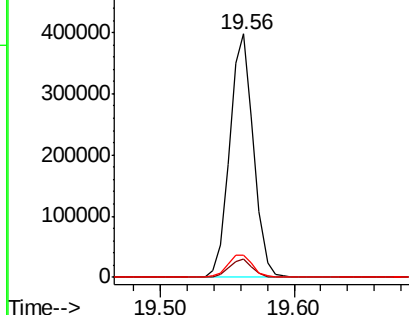
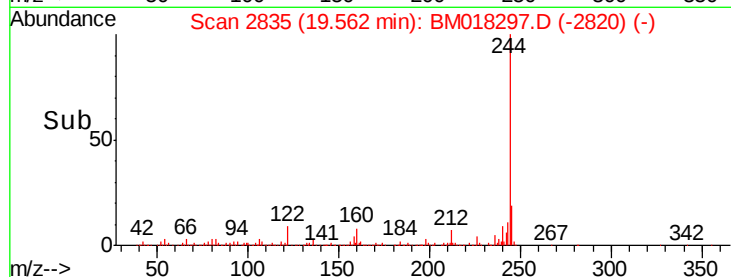
244 100

212 7.3 5.8 8.8

122 9.1 9.0 13.6



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



#81

Benzo(a)anthracene

Concen: 33.284 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

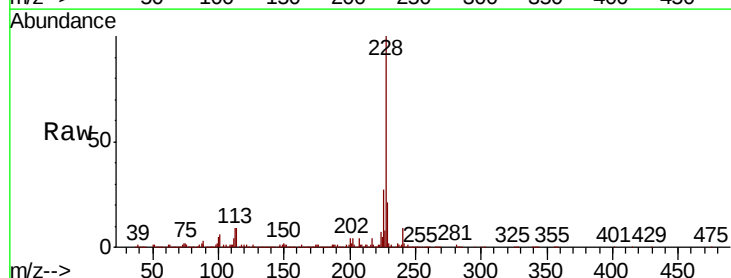
Tgt Ion:228 Resp: 1055234

Ion Ratio Lower Upper

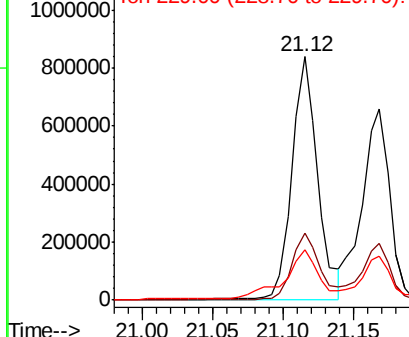
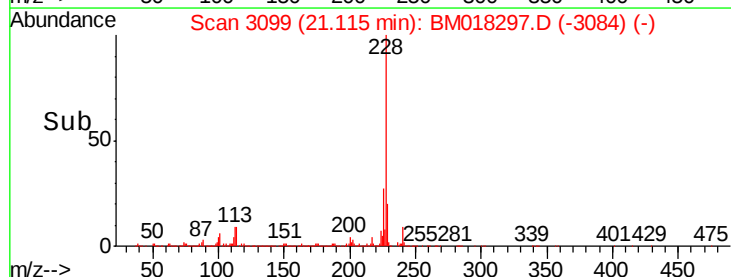
228 100

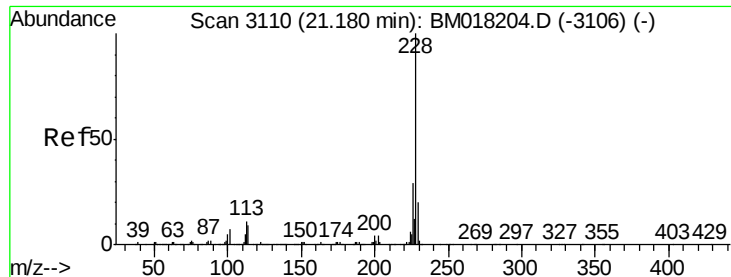
226 27.4 21.0 31.4

229 20.7 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





#83

Chrysene

Concen: 29.415 ng

RT: 21.17 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampled :

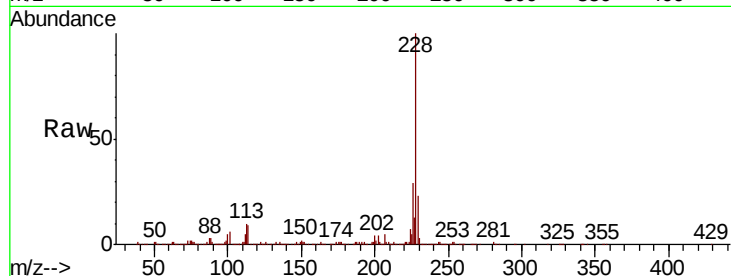
Tot Ion:228 Resp: 897016

Ion Ratio Lower Upper

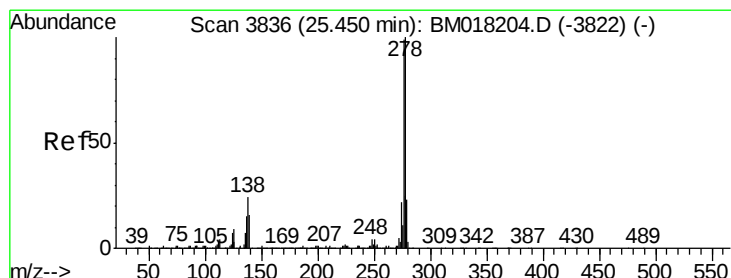
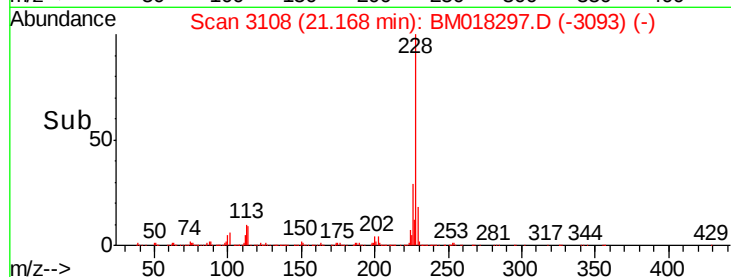
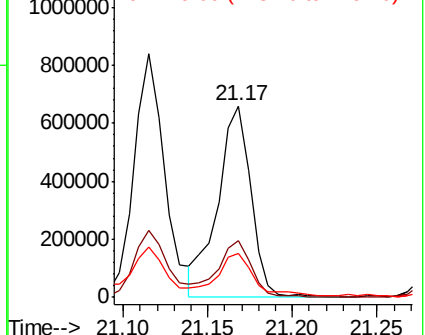
228 100

226 29.4 23.1 34.7

229 22.9 15.8 23.6



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

Indeno(1,2,3-cd)pyrene

Concen: 54.010 ng

RT: 25.43 min Scan# 3832

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

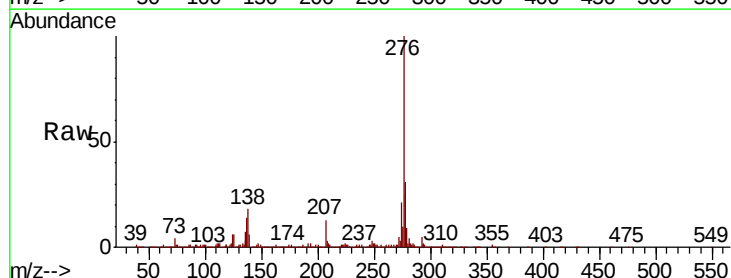
Tgt Ion:276 Resp: 1640624

Ion Ratio Lower Upper

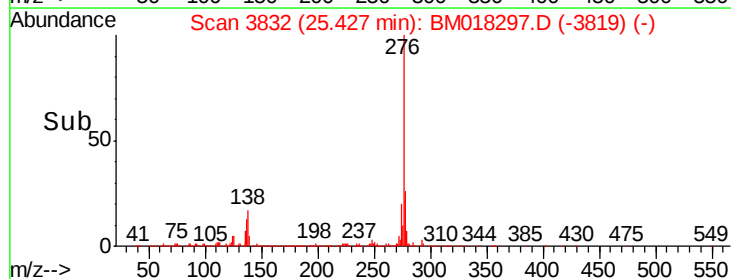
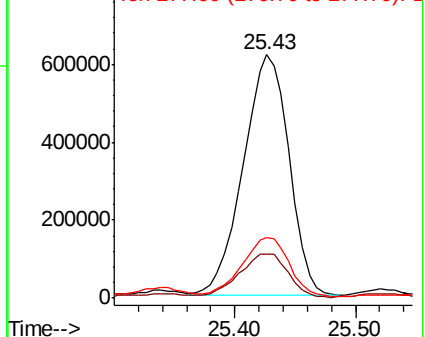
276 100

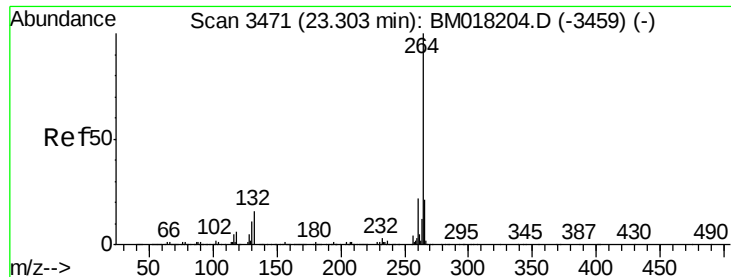
138 19.0 18.6 28.0

277 24.8 20.3 30.5



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

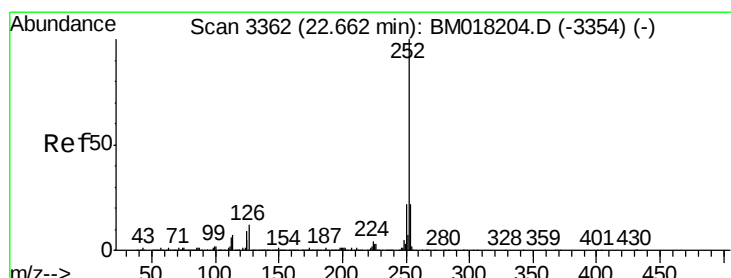
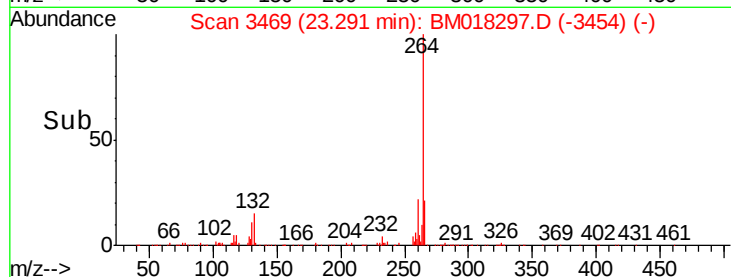
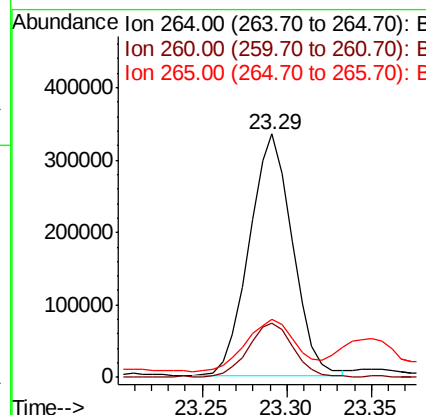
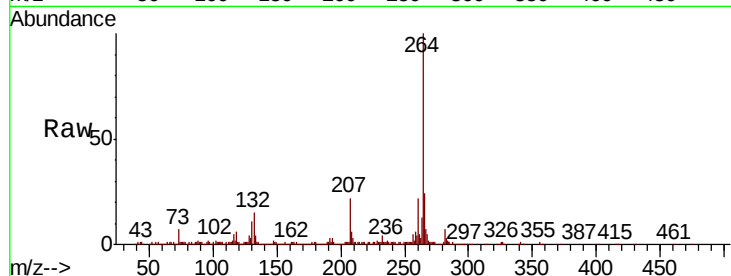




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

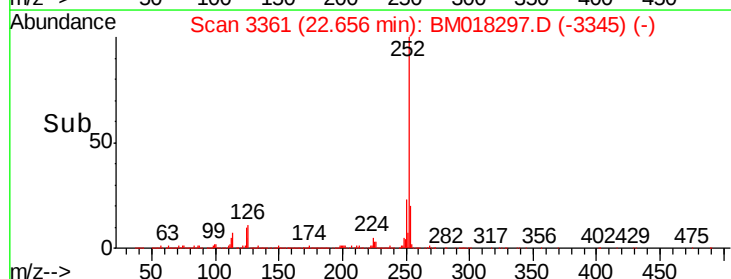
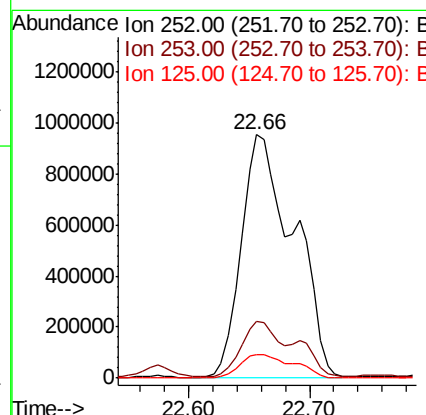
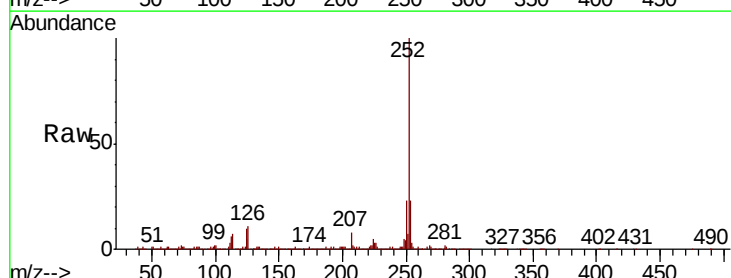
Instrument :
BNA_M
ClientSampleId :

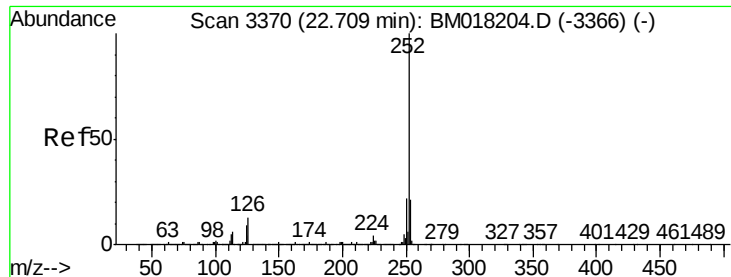
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.5	26.3
265	23.8	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 85.757 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	9.7	7.4	11.0

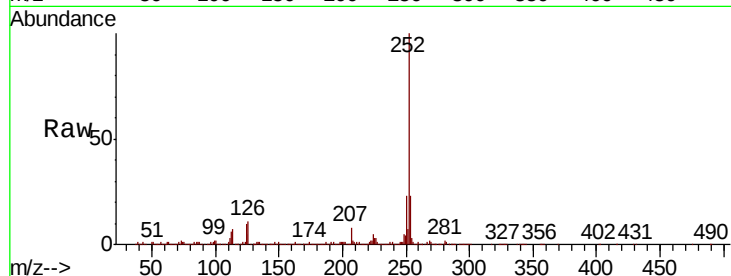




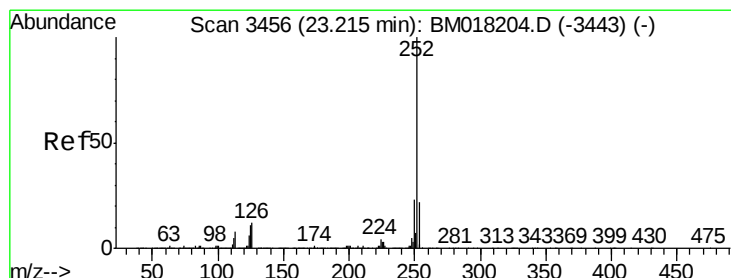
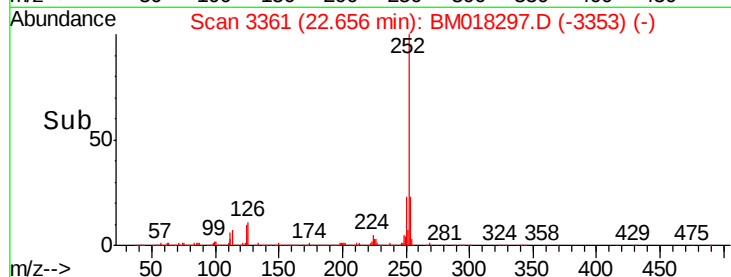
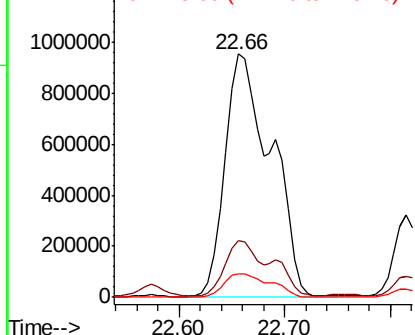
#89
Benzo(k)fluoranthene
Concen: 86.013 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.05 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2859603
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 9.7 7.5 11.3

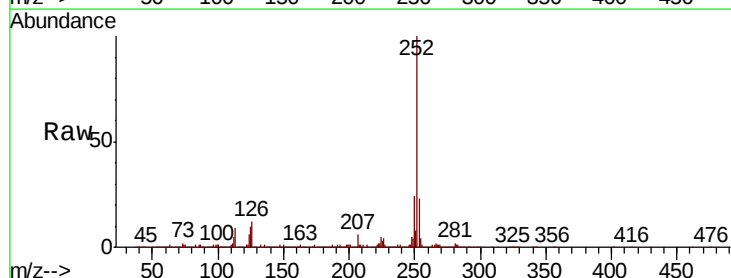


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

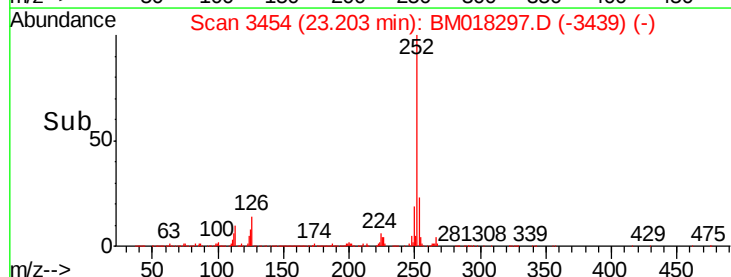
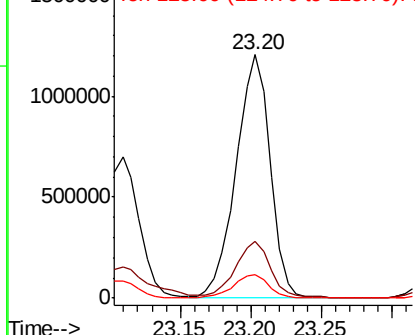


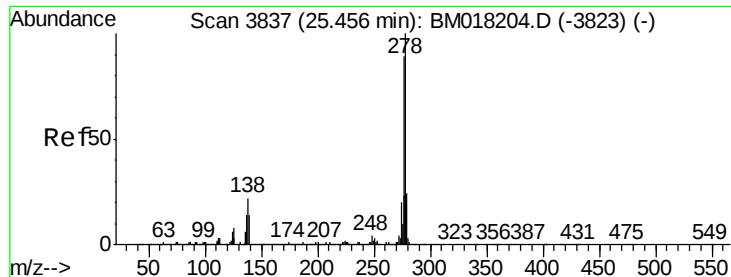
#90
Benzo(a)pyrene
Concen: 63.750 ng
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion:252 Resp: 2024098
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 9.8 8.6 12.8



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

Dibenzo(a,h)anthracene

Concen: 19.079 ng

RT: 25.43 min Scan# 3832

Delta R.T. -0.03 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampled :

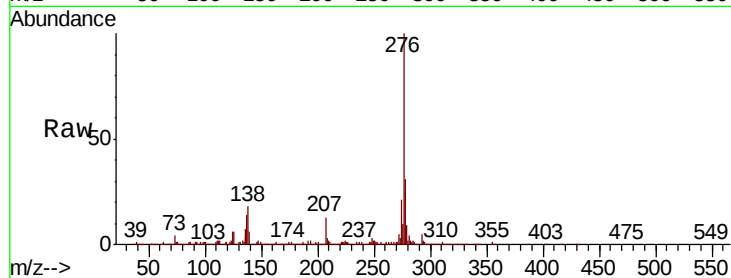
Tot Ion:278 Resp: 561148

Ion Ratio Lower Upper

278 100

139 18.3 11.6 17.4#

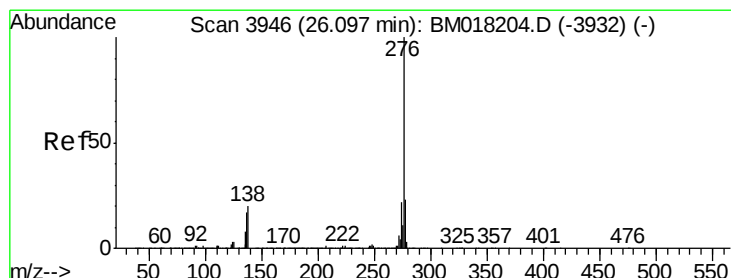
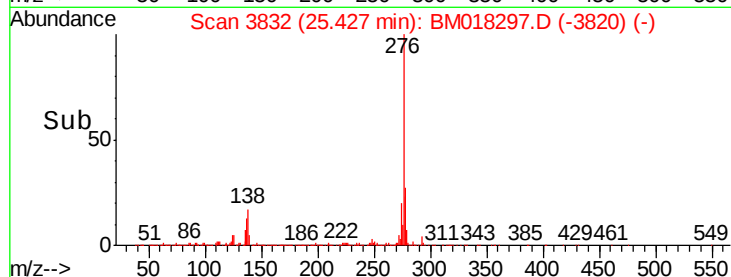
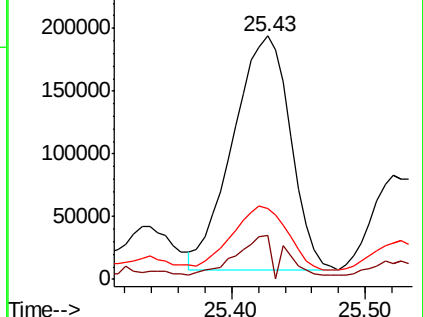
279 29.0 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 56.413 ng

RT: 26.08 min Scan# 3943

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

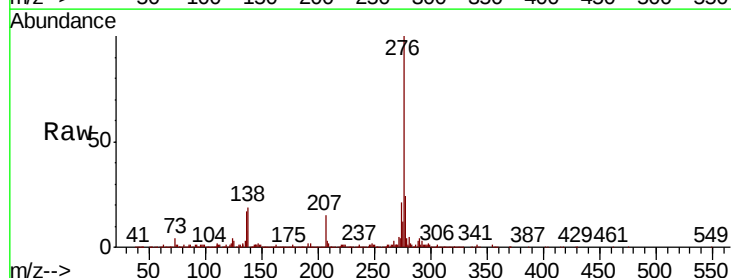
Tgt Ion:276 Resp: 1568379

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 18.9 15.8 23.8



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

