

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018295.D
 Acq On : 19 Dec 2018 13:18
 Operator : JU/SJ
 Sample : J6319-11 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 14:00:37 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	93793	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	349567	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	185256	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	409568	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	501265	20.00	ng	-0.02
87) Perylene-d12	23.29	264	560690	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	46602	8.30	ng	0.00
7) Phenol-d6	6.69	99	53575	6.87	ng	-0.01
23) Nitrobenzene-d5	8.66	82	31003	4.55	ng	0.00
42) 2,4,6-Tribromophenol	15.66	330	16228	5.97	ng	0.00
45) 2-Fluorobiphenyl	12.76	172	55778	3.90	ng	-0.01
79) Terphenyl-d14	19.56	244	87541	3.95	ng	-0.01

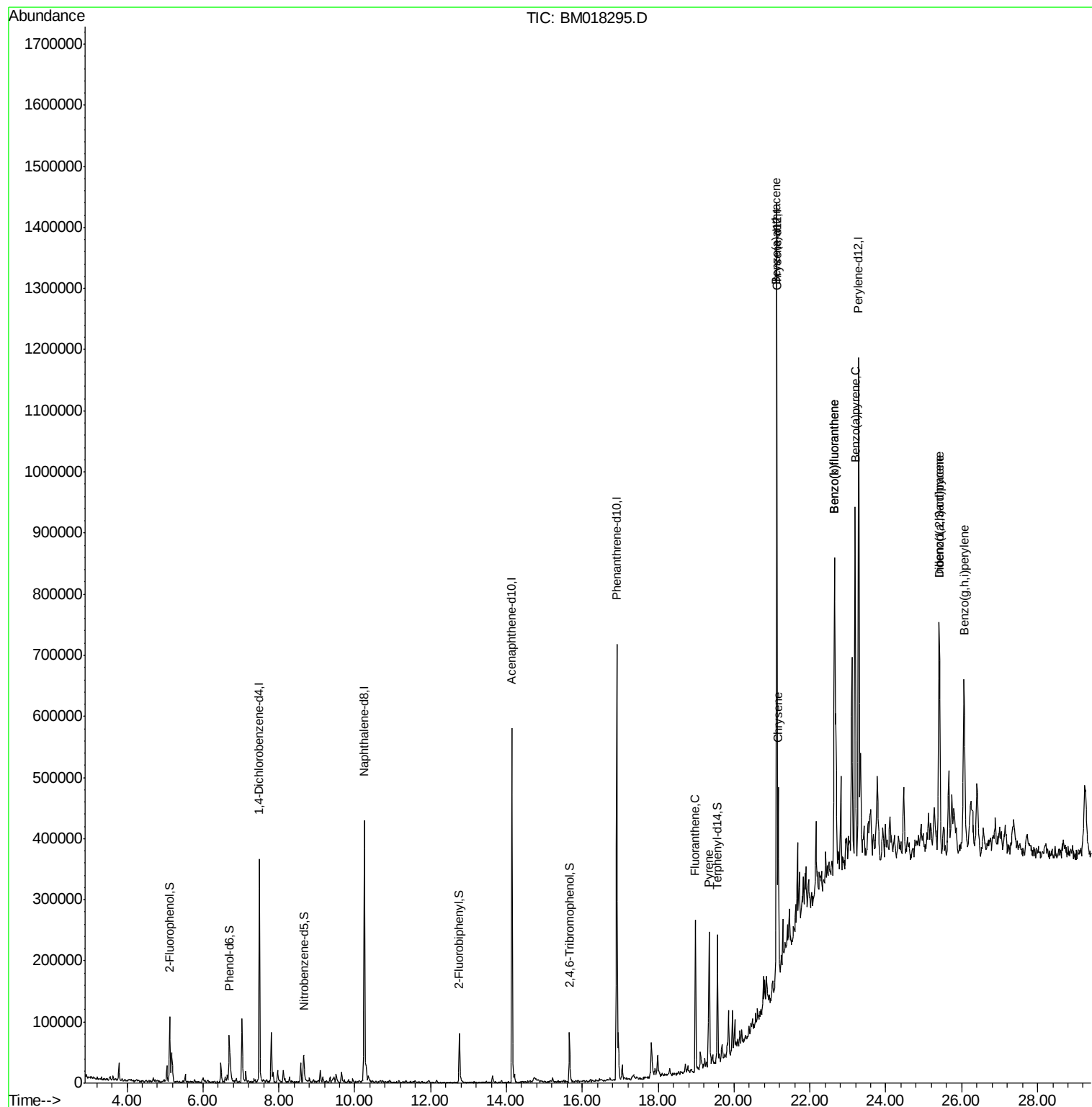
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
75) Fluoranthene	18.98	202	146305	5.656	ng	98
78) Pyrene	19.35	202	140891	4.717	ng	99
81) Benzo(a)anthracene	21.12	228	188867	6.450	ng	99
83) Chrysene	21.16	228	163609	5.809	ng	98
86) Indeno(1,2,3-cd)pyrene	25.41	276	300884	10.725	ng	96
88) Benzo(b)fluoranthene	22.65	252	524969	16.668	ng	96
89) Benzo(k)fluoranthene	22.65	252	526158	16.775	ng	94
90) Benzo(a)pyrene	23.19	252	372861	12.447	ng	99
91) Dibenzo(a,h)anthracene	25.41	278	100645	3.627	ng	# 78
92) Benzo(g,h,i)perylene	26.06	276	293157	11.177	ng	98

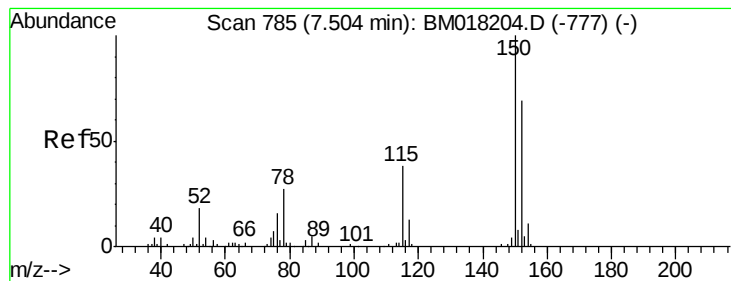
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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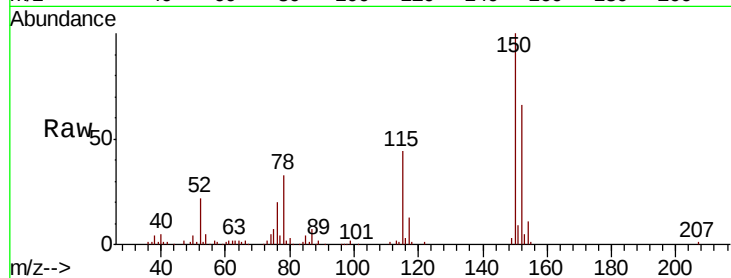


#1

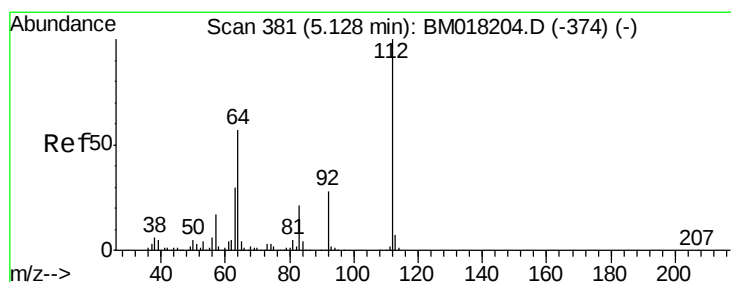
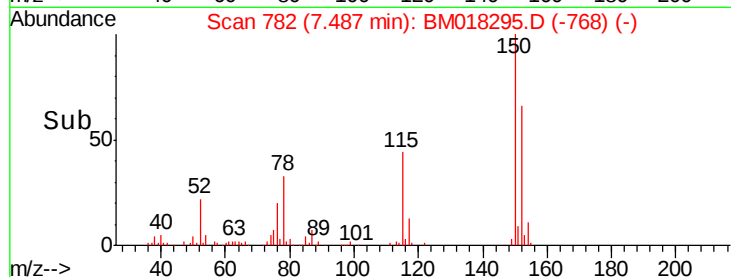
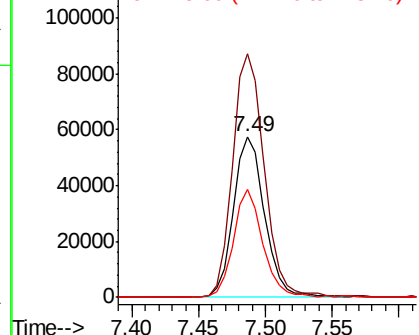
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 93793
Ion Ratio Lower Upper
152 100
150 151.4 116.1 174.1
115 67.1 44.6 67.0#



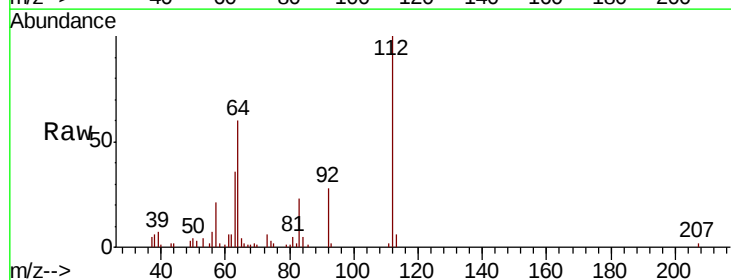
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



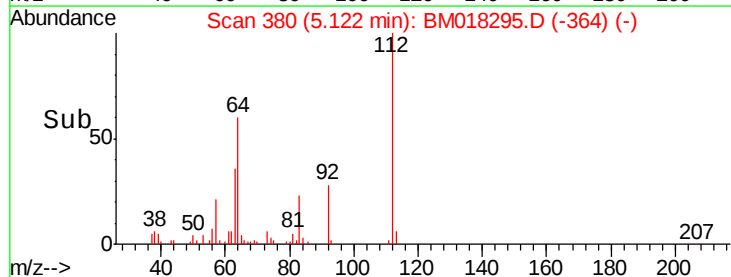
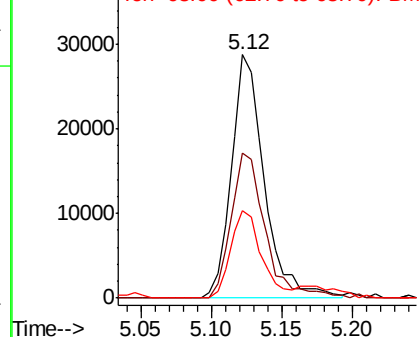
#5

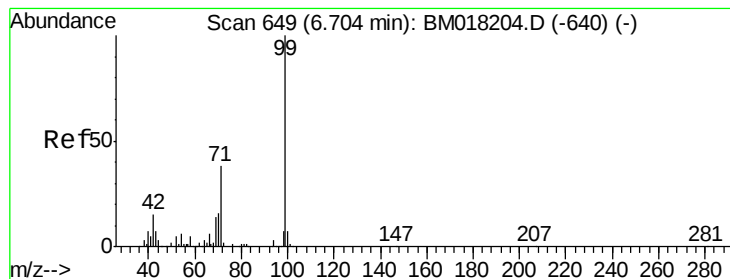
2-Fluorophenol
Concen: 8.300 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion:112 Resp: 46602
Ion Ratio Lower Upper
112 100
64 59.8 45.4 68.2
63 35.8 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: 6.865 ng

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM018295.D

Acq: 19 Dec 2018 13:18

Instrument :

BNA_M

ClientSampleId :

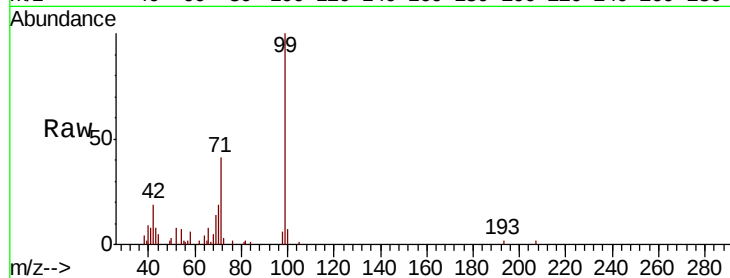
Tot Ion: 99 Resp: 53575

Ion Ratio Lower Upper

99 100

42 18.7 12.3 18.5#

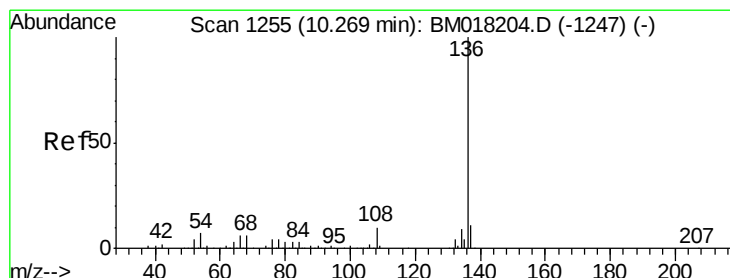
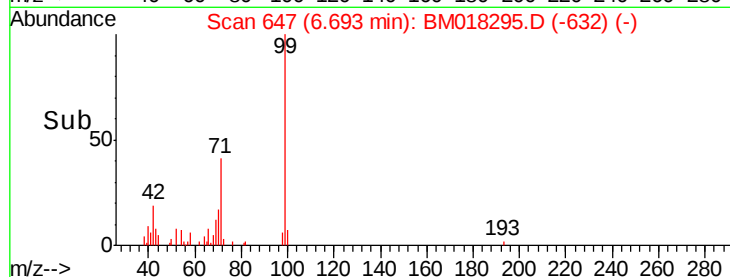
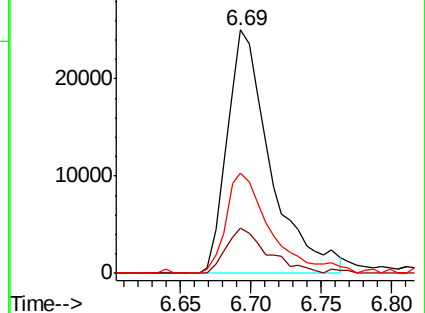
71 41.4 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018295.D

Acq: 19 Dec 2018 13:18

Tgt Ion: 136 Resp: 349567

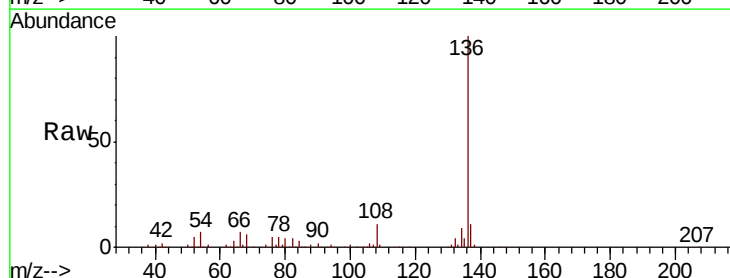
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.2 5.2 7.8

68 6.0 5.0 7.6

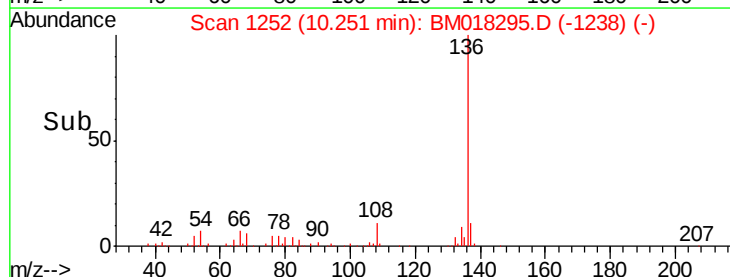
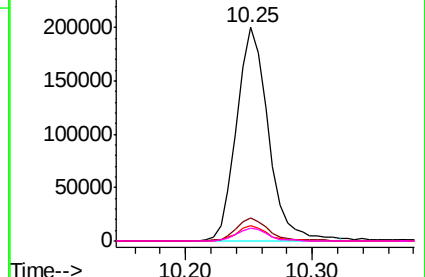


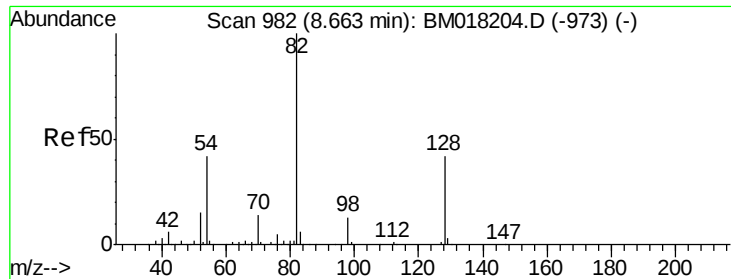
Abundance Ion 136.00 (135.70 to 136.70): BM018204.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM018204.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM018204.D (-1247) (-)

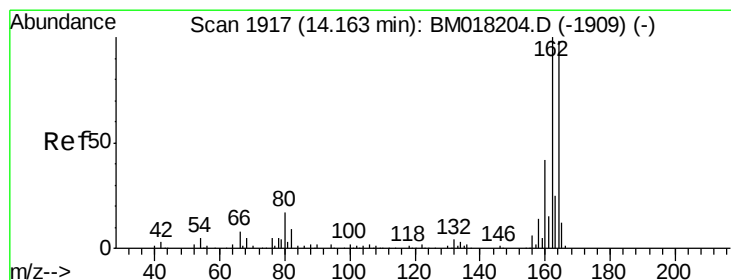
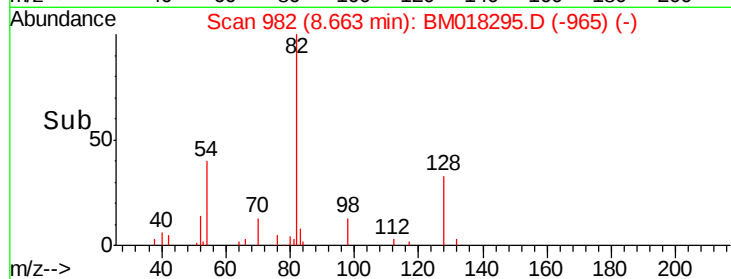
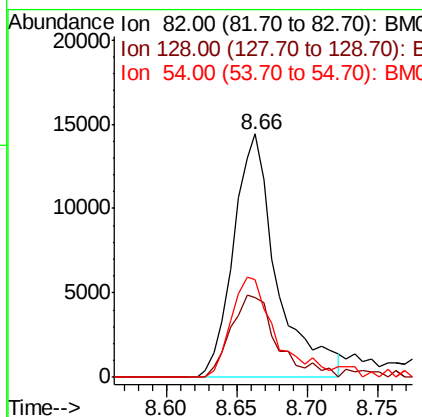
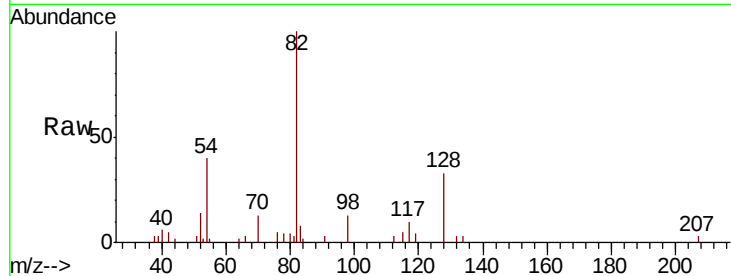




#23
 Nitrobenzene-d5
 Concen: 4.549 ng
 RT: 8.66 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BM018295.D
 Acq: 19 Dec 2018 13:18

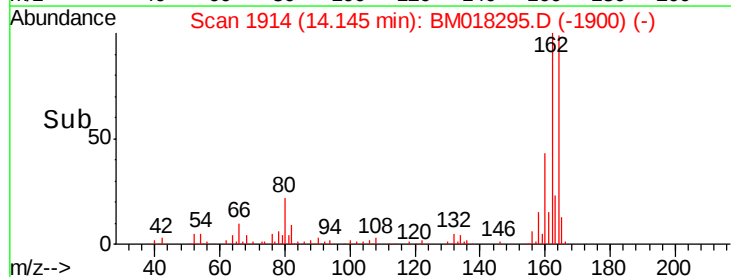
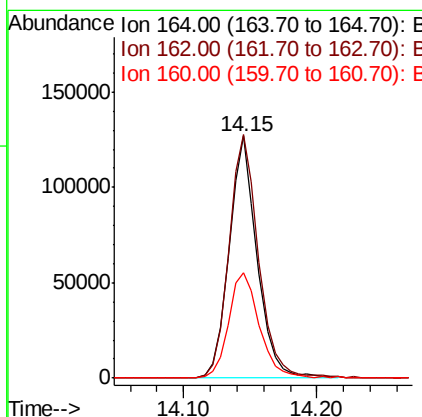
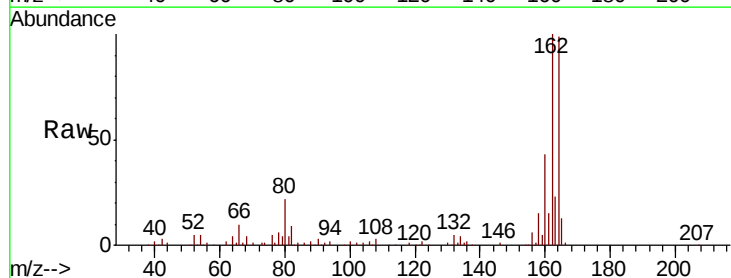
Instrument :
 BNA_M
 ClientSampleId :

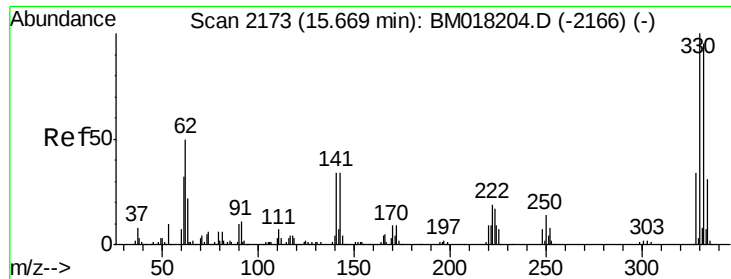
Tot Ion	82	Resp	31003
Ion Ratio	Lower	Upper	
82	100		
128	33.0	33.4	50.2#
54	40.3	33.4	50.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.15 min Scan# 1914
 Delta R.T. -0.02 min
 Lab File: BM018295.D
 Acq: 19 Dec 2018 13:18

Tgt Ion	164	Resp	185256
Ion Ratio	Lower	Upper	
164	100		
162	100.7	81.8	122.6
160	43.4	34.6	51.8

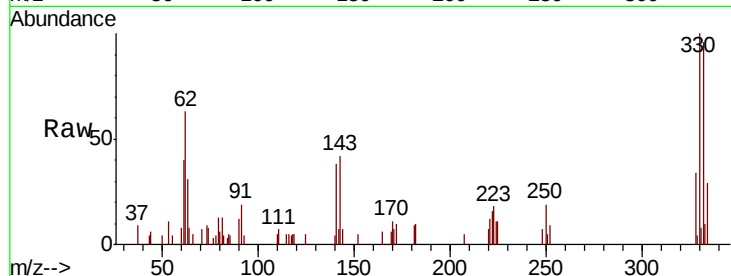




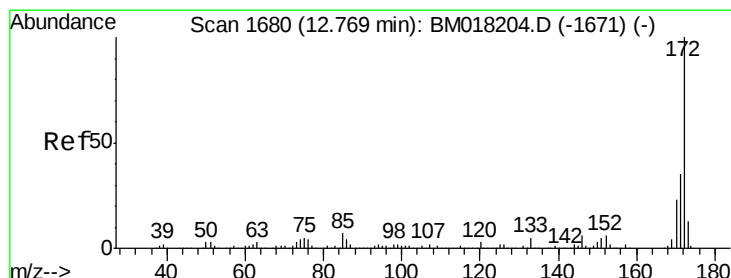
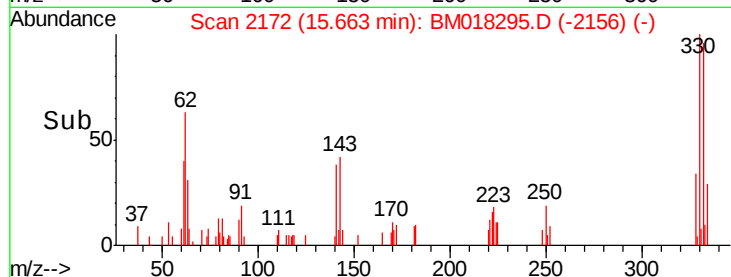
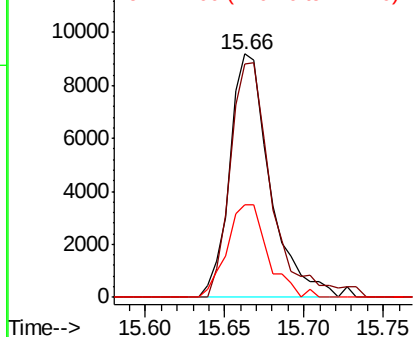
#42
 2,4,6-Tribromophenol
 Concen: 5.968 ng
 RT: 15.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BM018295.D
 Acq: 19 Dec 2018 13:18

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 16228
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.6 118.0
 141 38.4 27.1 40.7

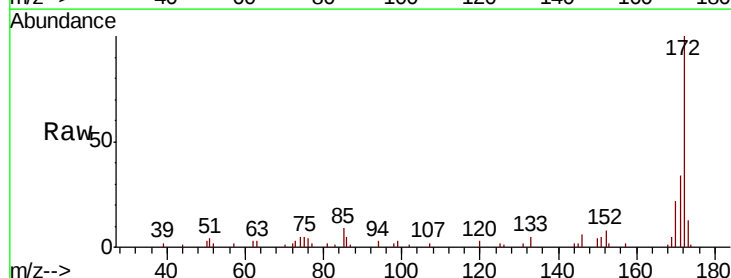


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

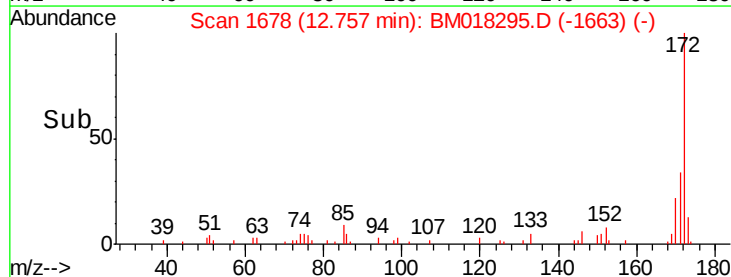
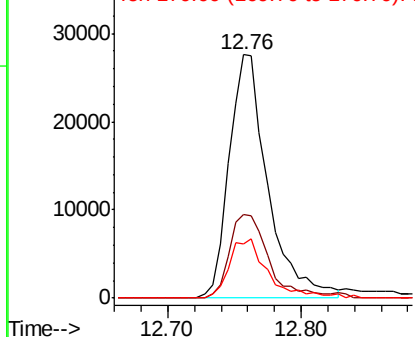


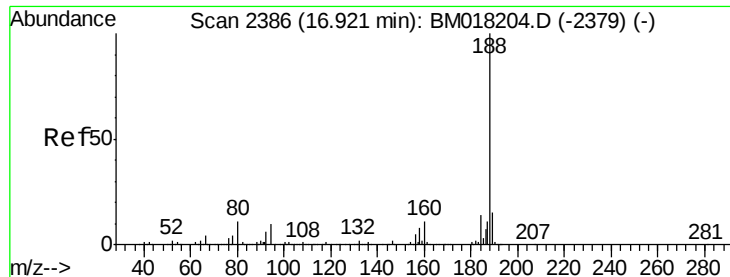
#45
 2-Fluorobiphenyl
 Concen: 3.900 ng
 RT: 12.76 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BM018295.D
 Acq: 19 Dec 2018 13:18

Tgt Ion:172 Resp: 55778
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.3 42.5
 170 22.2 18.1 27.1



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

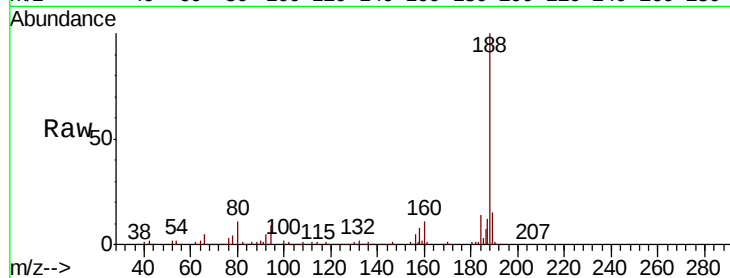




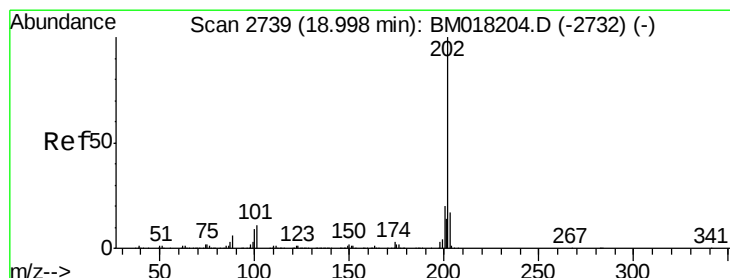
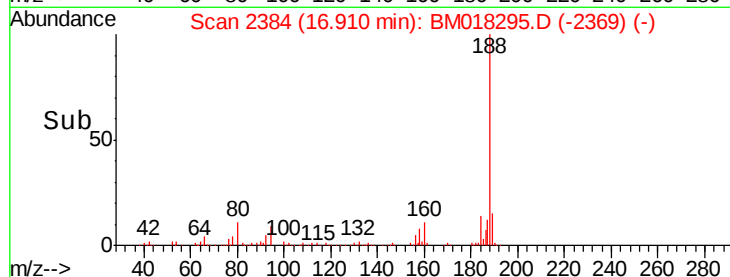
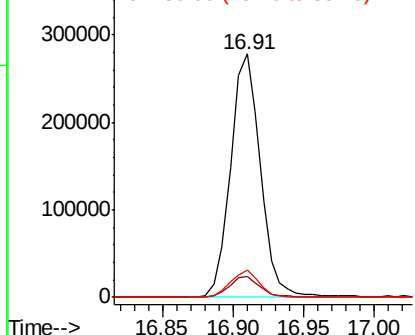
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	11.2	9.0	13.6

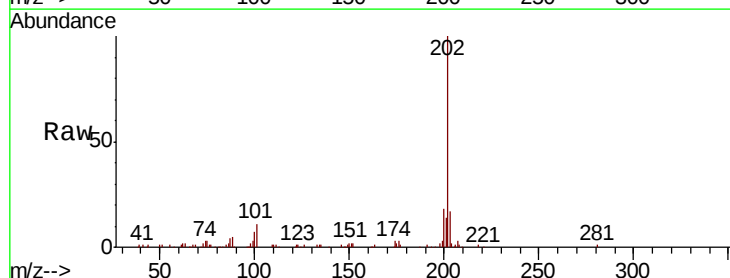


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

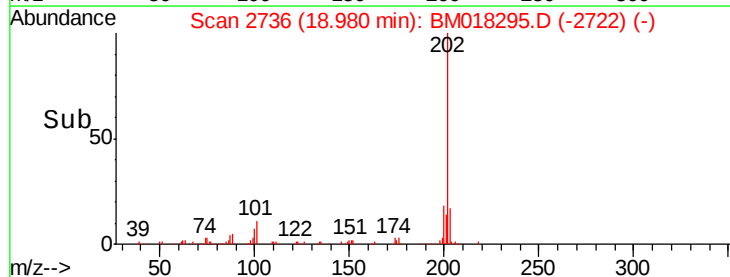
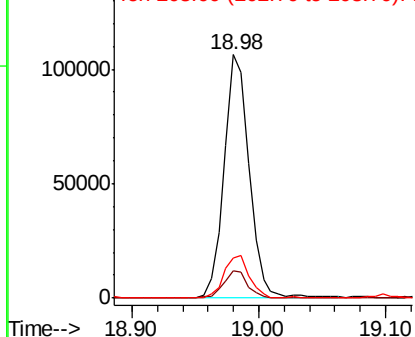


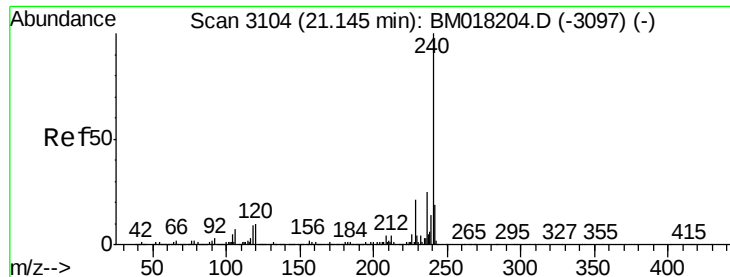
#75
Fluoranthene
Concen: 5.656 ng
RT: 18.98 min Scan# 2736
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.5
203	16.6	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

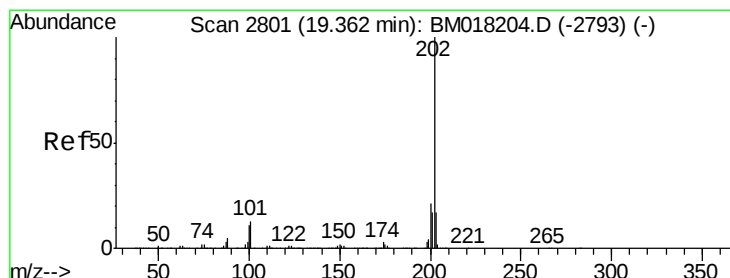
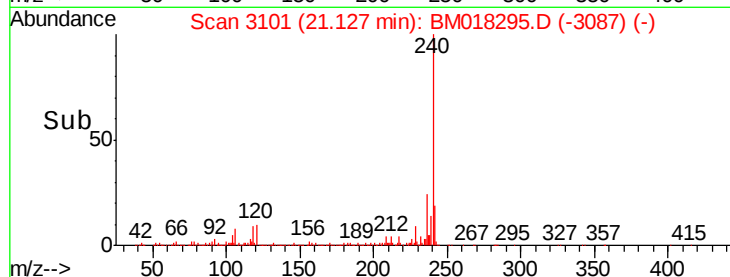
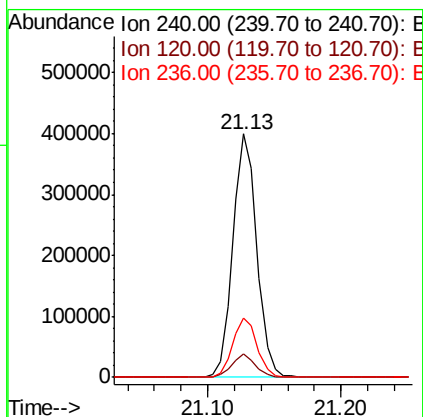
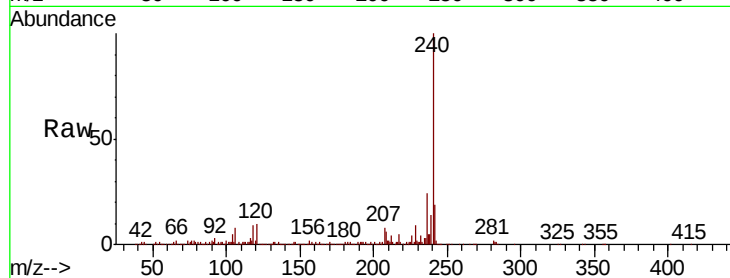




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

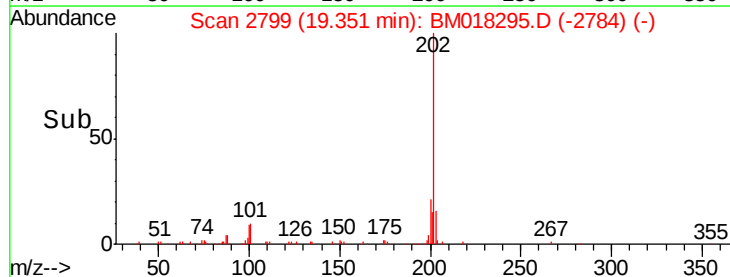
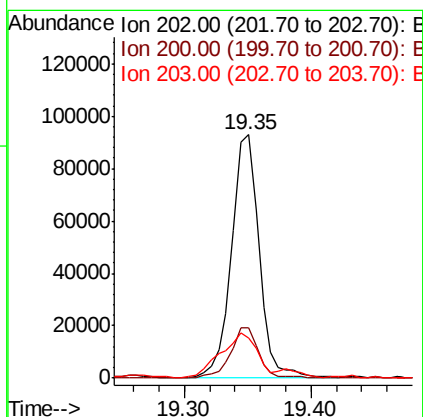
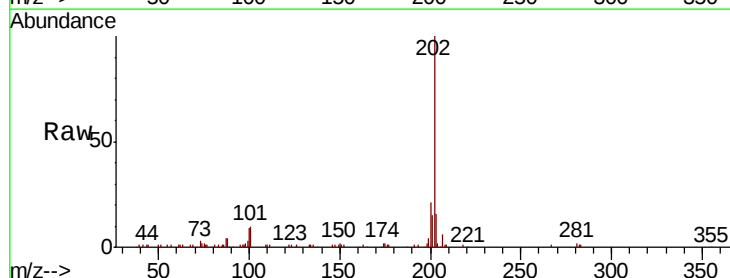
Instrument :
BNA_M
ClientSampleId :

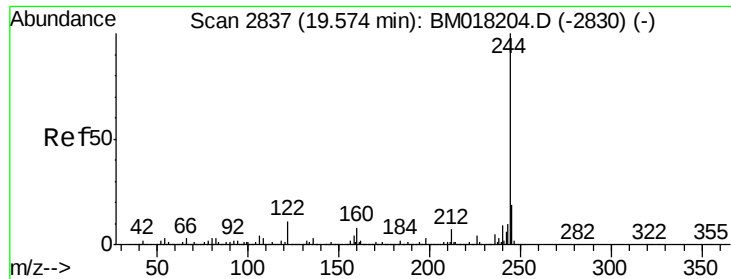
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	24.2	20.3	30.5



#78
Pyrene
Concen: 4.717 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	16.4	14.0	21.0





#79

Terphenyl-d14

Concen: 3.950 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018295.D

Acq: 19 Dec 2018 13:18

Instrument :

BNA_M

ClientSampleId :

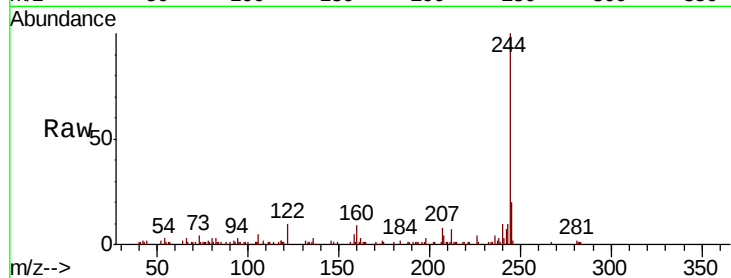
Tot Ion:244 Resp: 87541

Ion Ratio Lower Upper

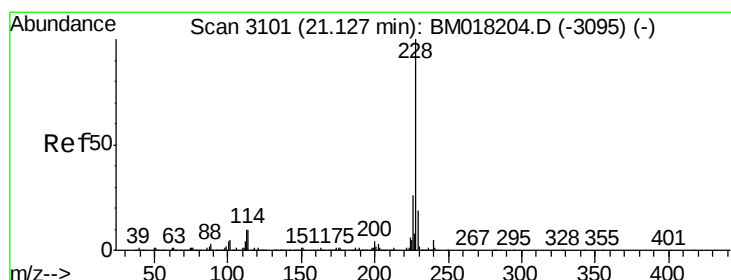
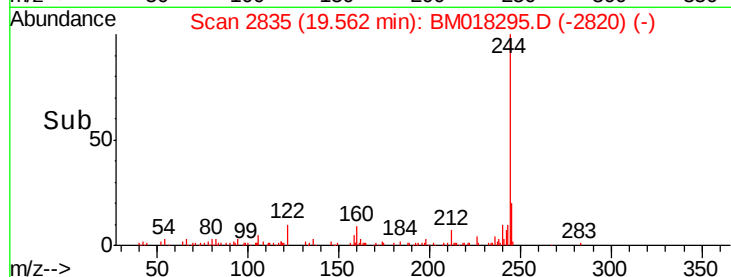
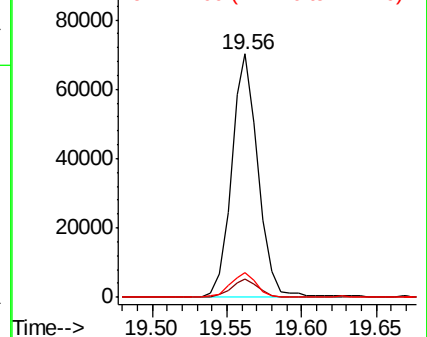
244 100

212 7.5 5.8 8.8

122 10.1 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: 6.450 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM018295.D

Acq: 19 Dec 2018 13:18

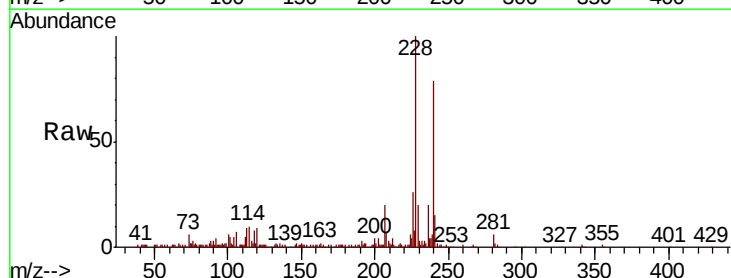
Tgt Ion:228 Resp: 188867

Ion Ratio Lower Upper

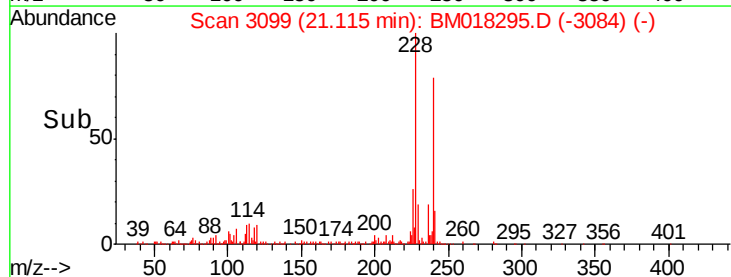
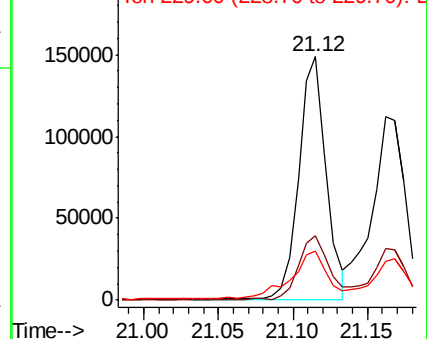
228 100

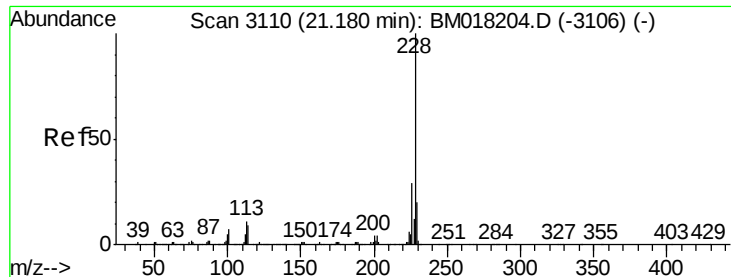
226 26.4 21.0 31.4

229 20.0 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

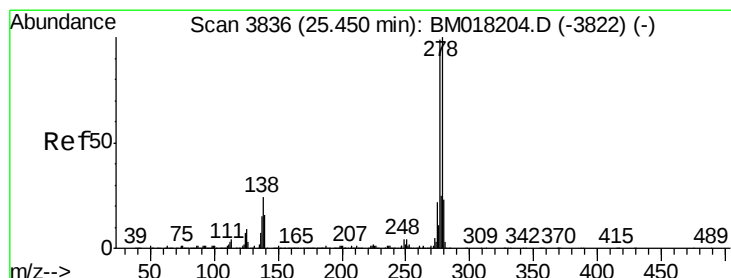
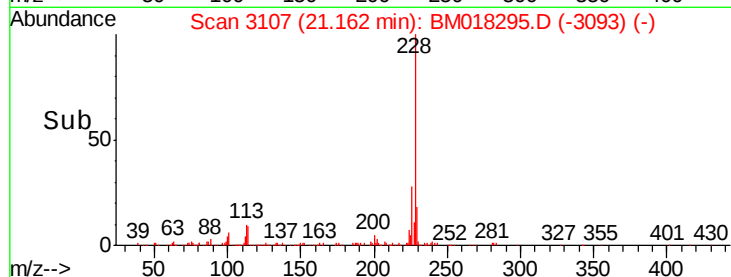
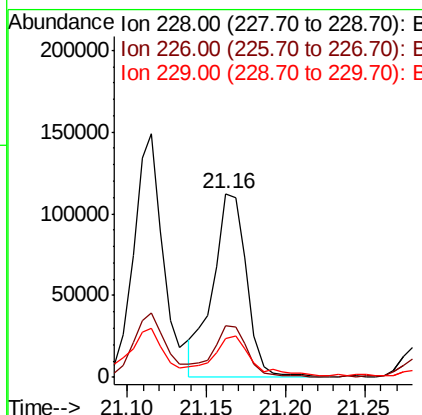
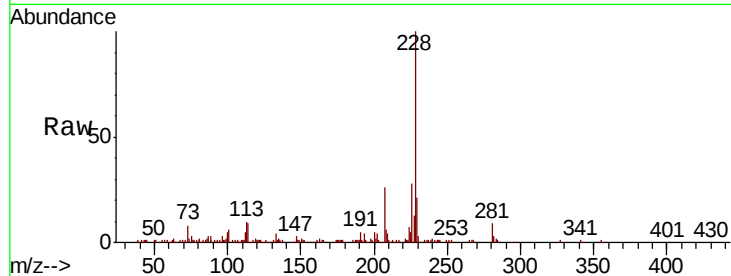




#83
Chrysene
Concen: 5.809 ng
RT: 21.16 min Scan# 3107
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

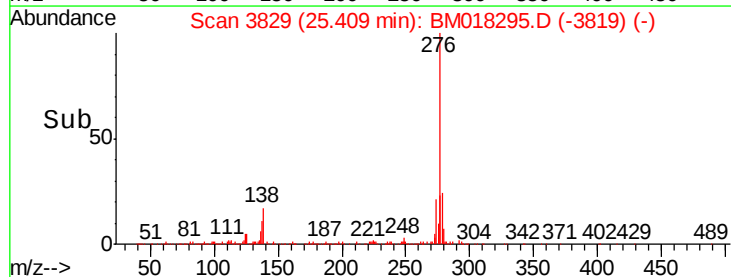
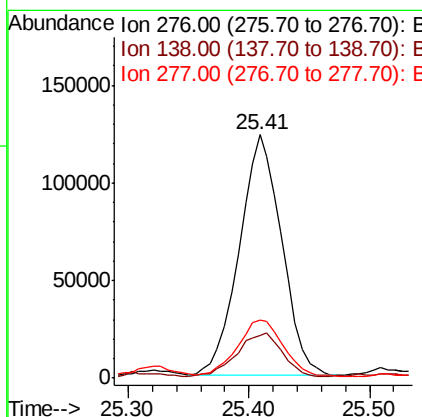
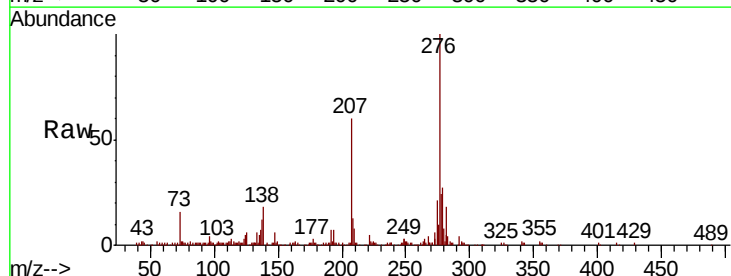
Instrument :
BNA_M
ClientSampleId :

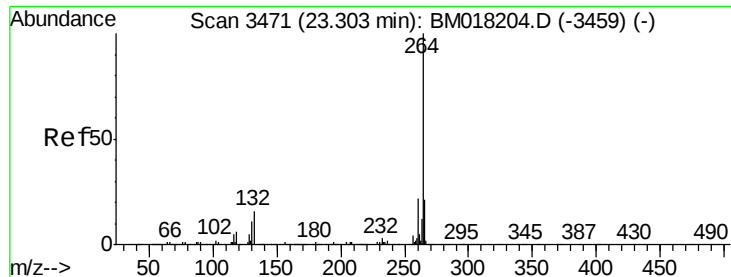
Tot Ion:228 Resp: 163609
Ion Ratio Lower Upper
228 100
226 28.1 23.1 34.7
229 21.1 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.725 ng
RT: 25.41 min Scan# 3829
Delta R.T. -0.04 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion:276 Resp: 300884
Ion Ratio Lower Upper
276 100
138 19.6 18.6 28.0
277 25.3 20.3 30.5

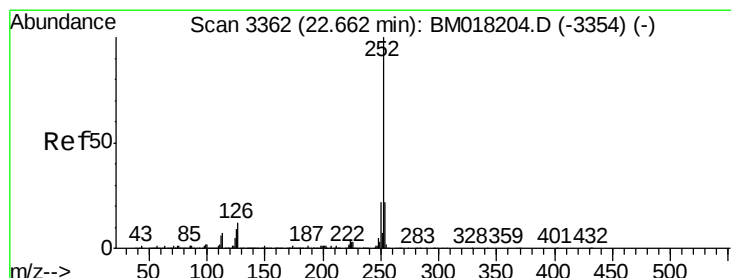
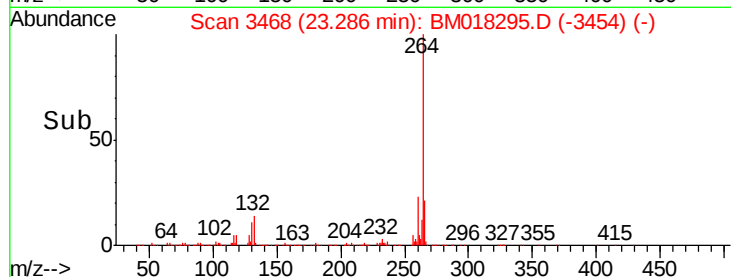
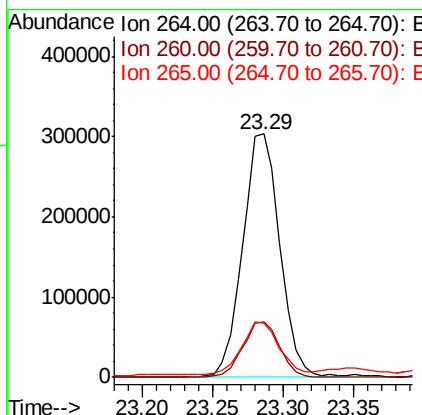
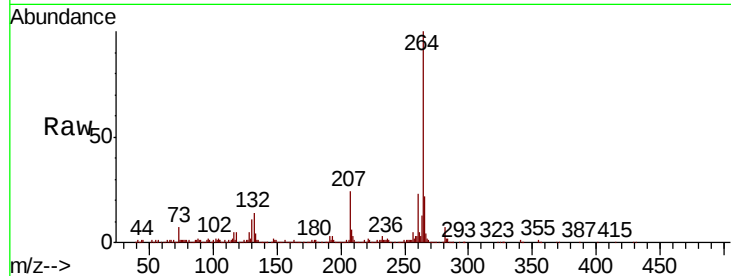




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

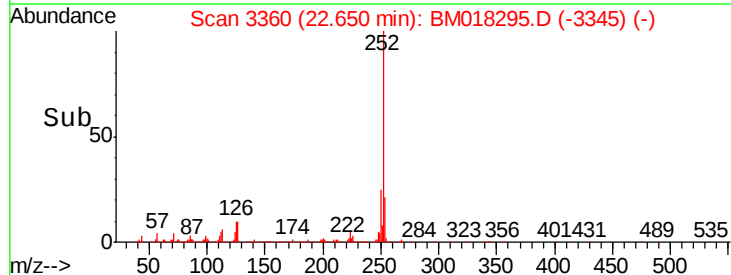
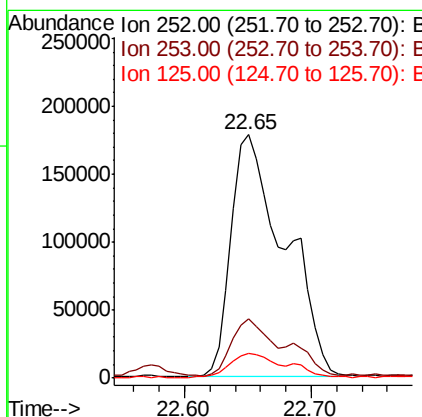
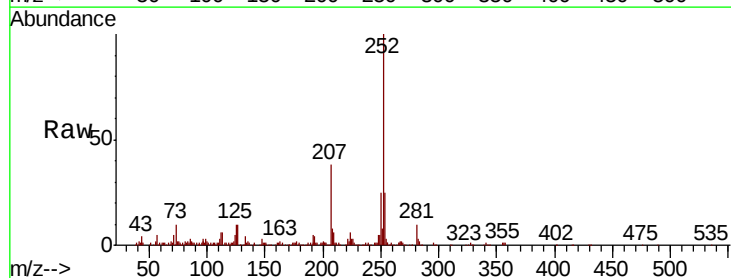
Instrument :
BNA_M
ClientSampleId :

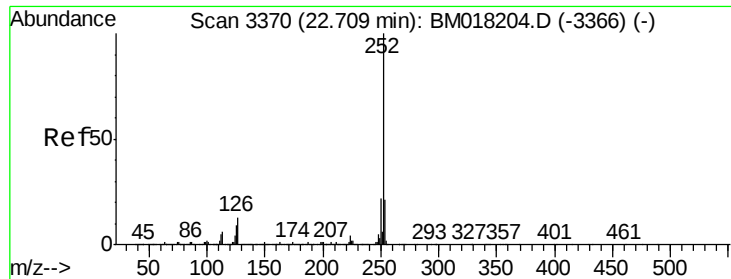
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.5	26.3
265	22.0	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 16.668 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	10.1	7.4	11.0

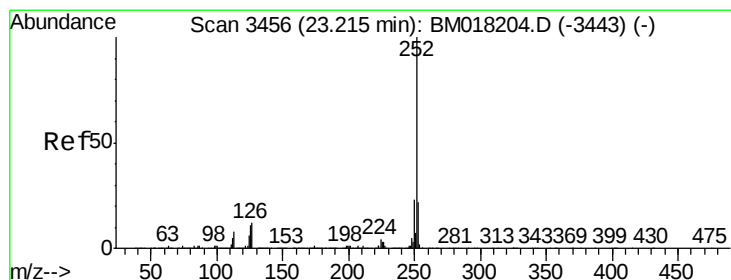
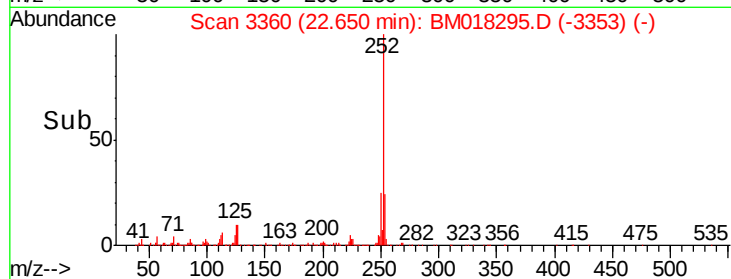
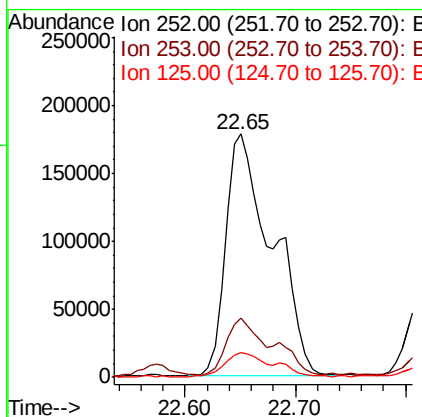
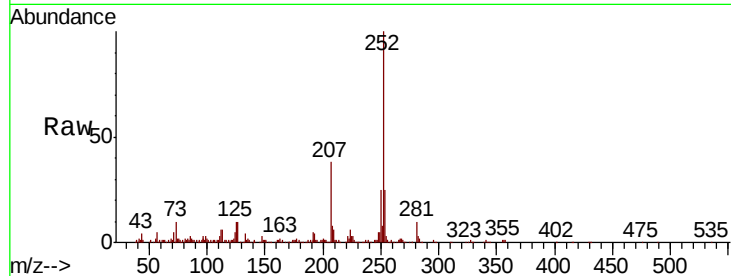




#89
Benzo(k)fluoranthene
Concen: 16.775 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.06 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

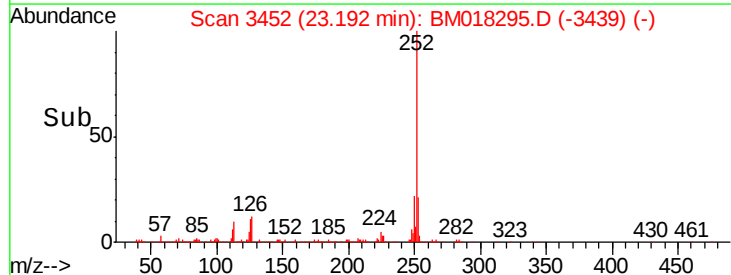
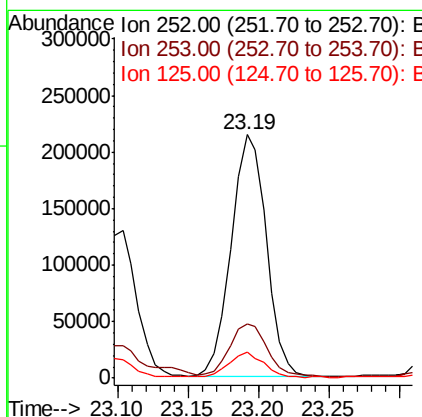
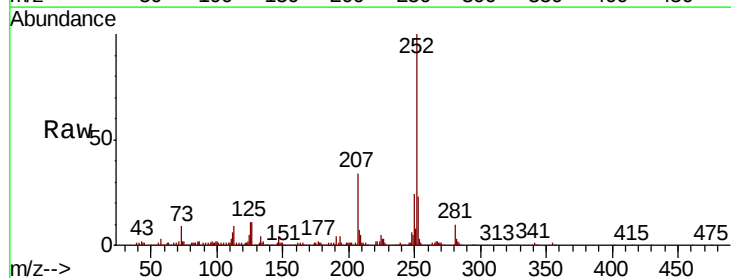
Instrument :
BNA_M
ClientSampled :

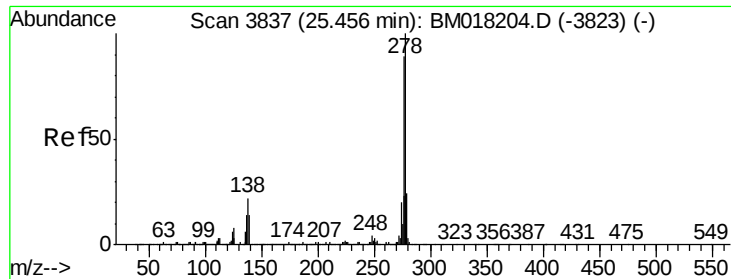
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.9	25.3
125	10.1	7.5	11.3



#90
Benzo(a)pyrene
Concen: 12.447 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.02 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.9	8.6	12.8

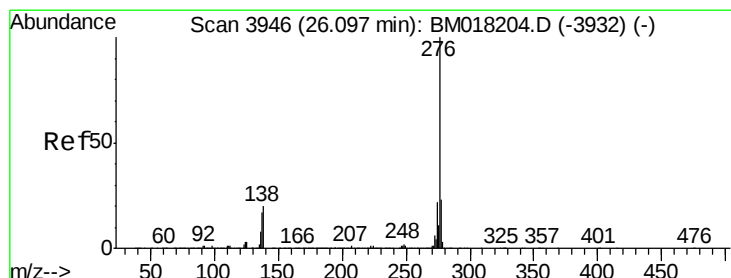
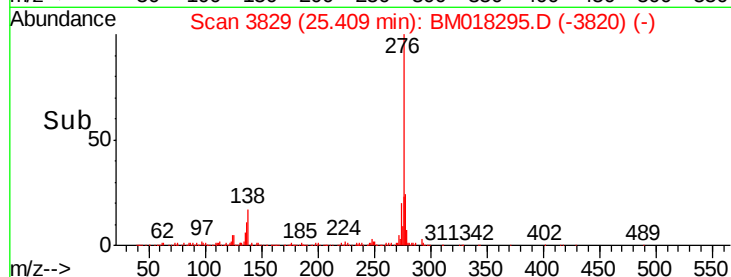
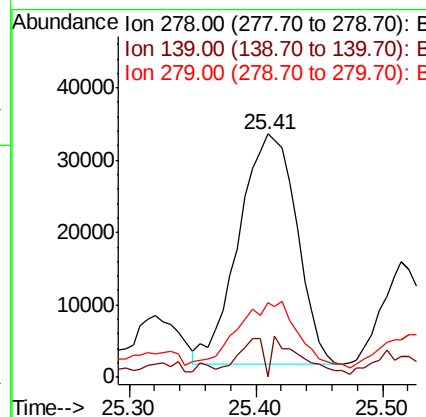
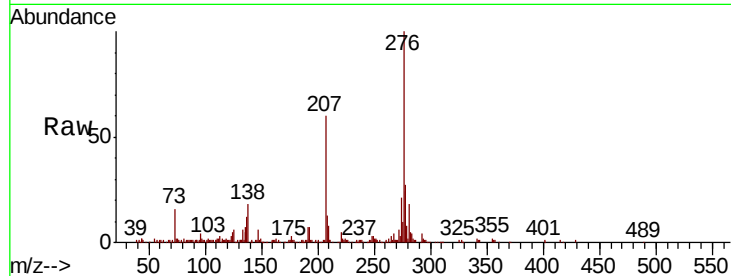




#91
Dibenzo(a,h)anthracene
Concen: 3.627 ng
RT: 25.41 min Scan# 3829
Delta R.T. -0.05 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 100645
Ion Ratio Lower Upper
278 100
139 0.0 11.6 17.4#
279 30.9 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 11.177 ng
RT: 26.06 min Scan# 3940
Delta R.T. -0.04 min
Lab File: BM018295.D
Acq: 19 Dec 2018 13:18

Tgt Ion:276 Resp: 293157
Ion Ratio Lower Upper
276 100
277 23.1 18.7 28.1
138 18.6 15.8 23.8

