

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
 Data File : BM018931.D
 Acq On : 26 Feb 2019 16:09
 Operator : JU/SJ
 Sample : K1597-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-23

Quant Time: Feb 27 00:36:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

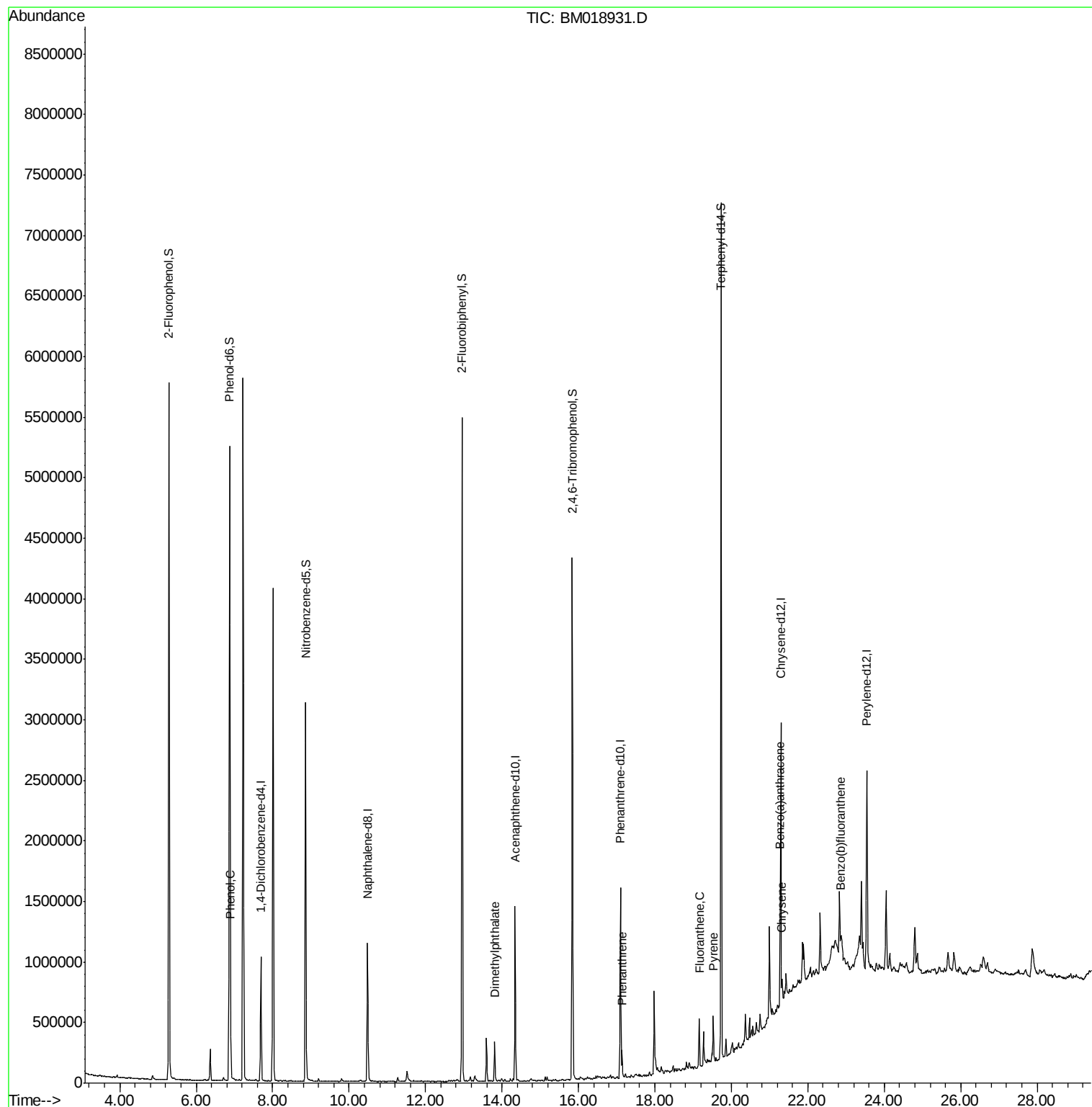
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	254439	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	920259	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	439308	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	855729	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	956131	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1110224	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	2297354	147.94	ng	-0.02
7) Phenol-d6	6.87	99	3064283	140.07	ng	-0.01
23) Nitrobenzene-d5	8.86	82	1985082	99.74	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	772834	122.04	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	2625672	79.34	ng	-0.02
79) Terphenyl-d14	19.73	244	2996318	64.65	ng	-0.01
Target Compounds						
10) Phenol	6.90	94	196805	8.550	ng	Qvalue 98
50) Dimethylphthalate	13.80	163	200798	5.485	ng	98
71) Phenanthrene	17.14	178	111694	2.429	ng	99
75) Fluoranthene	19.16	202	210493	3.962	ng	99
78) Pyrene	19.53	202	210269	3.787	ng	99
81) Benzo(a)anthracene	21.27	228	111759	2.005	ng	97
83) Chrysene	21.33	228	111571	2.089	ng	98
88) Benzo(b)fluoranthene	22.87	252	156802	2.469	ng	# 92

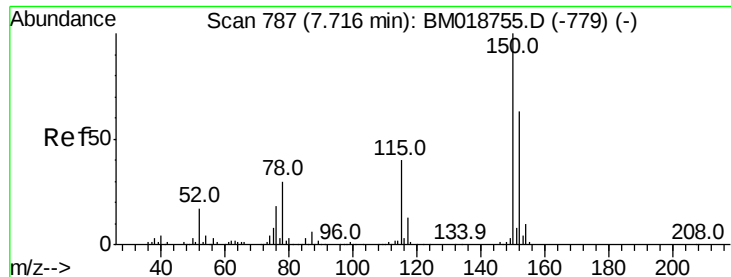
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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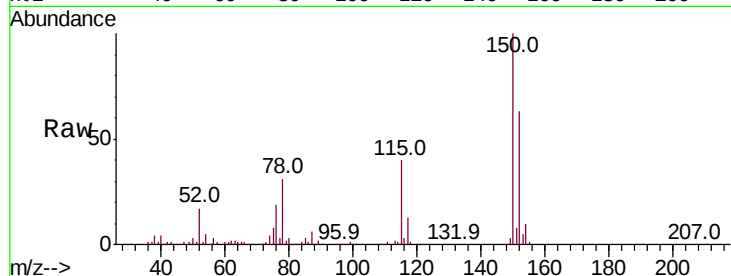


#1

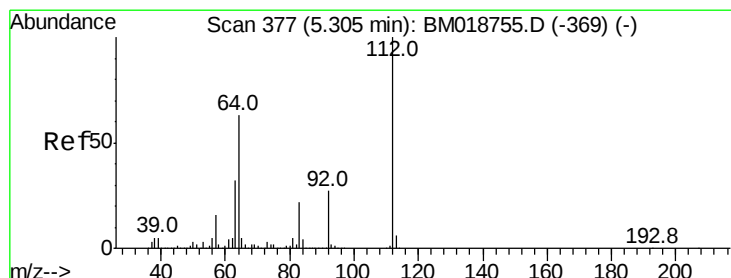
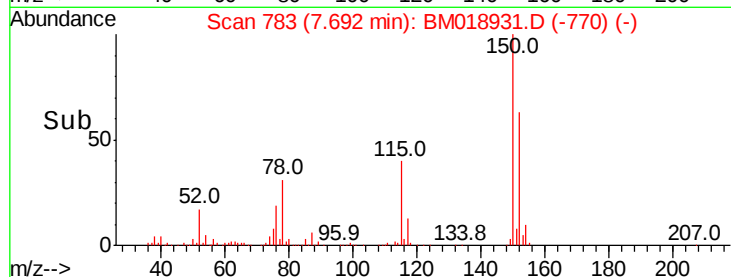
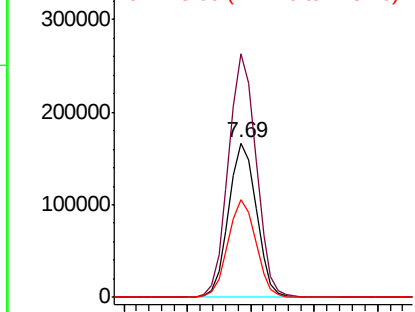
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018931.D
Acq: 26 Feb 2019 16:09

Instrument :
BNA_M
ClientSampleId :
TP-23

Tot Ion:152 Resp: 254439
Ion Ratio Lower Upper
152 100
150 158.0 127.3 190.9
115 63.4 50.8 76.2



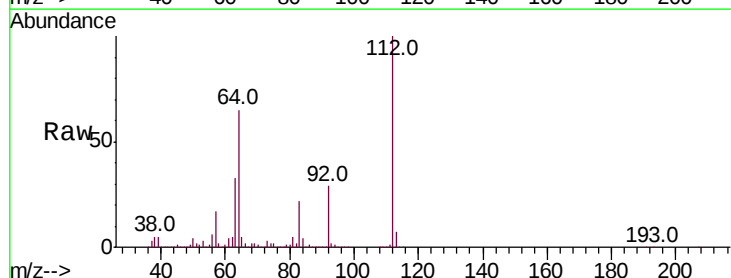
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



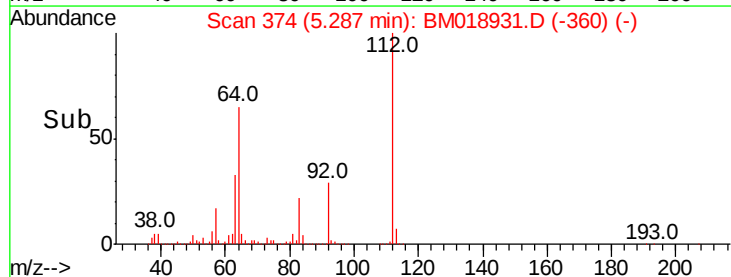
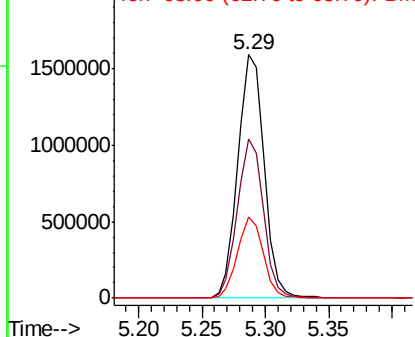
#5

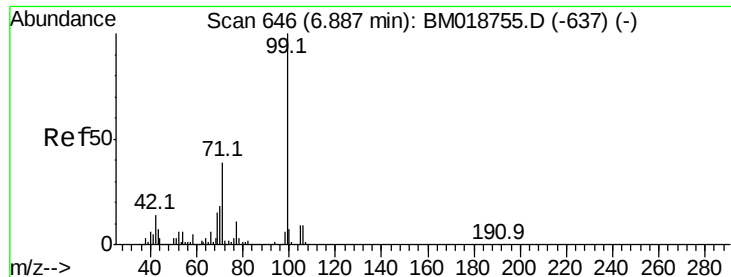
2-Fluorophenol
Concen: 147.939 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018931.D
Acq: 26 Feb 2019 16:09

Tgt Ion:112 Resp: 2297354
Ion Ratio Lower Upper
112 100
64 65.1 50.6 75.8
63 33.4 25.7 38.5



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: 140.071 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampled :

TP-23

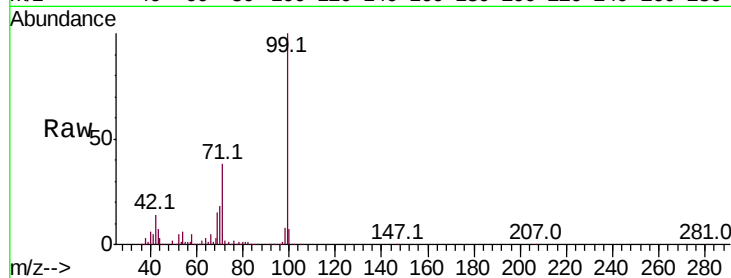
Tot Ion: 99 Resp: 3064283

Ion Ratio Lower Upper

99 100

42 13.7 11.0 16.6

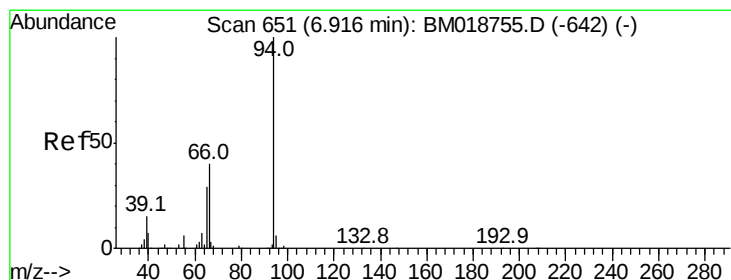
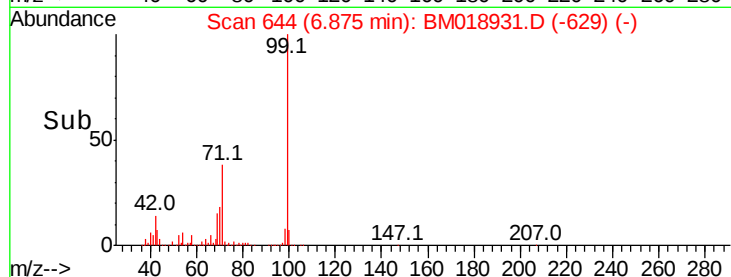
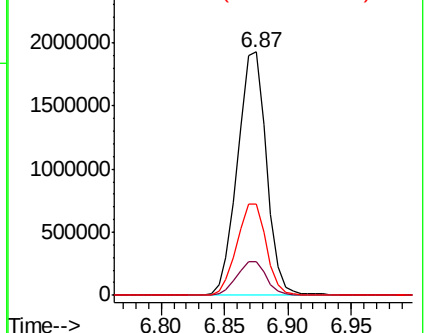
71 37.6 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#10

Phenol

Concen: 8.550 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

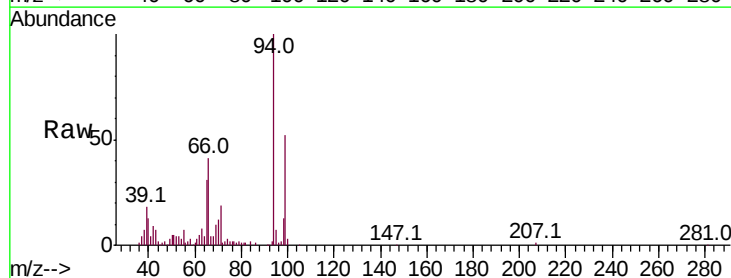
Tgt Ion: 94 Resp: 196805

Ion Ratio Lower Upper

94 100

65 31.4 9.6 49.6

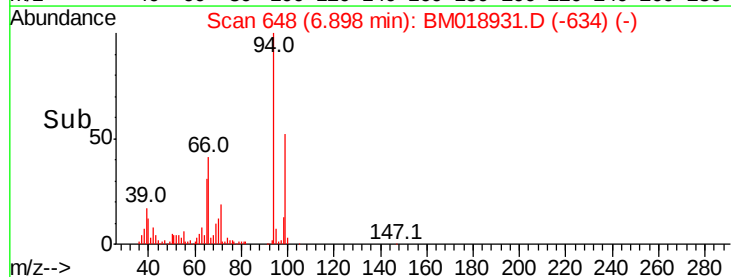
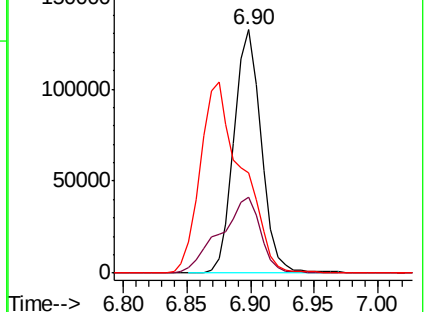
66 40.9 20.4 60.4

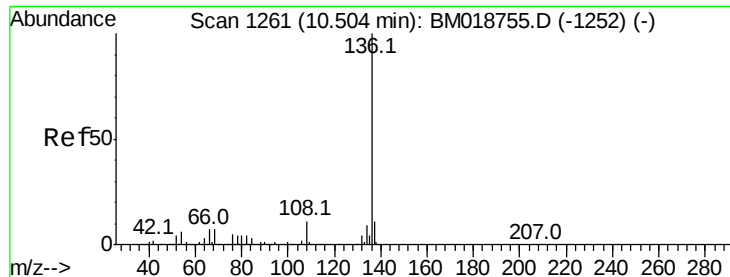


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampleId :

TP-23

Tot Ion:136 Resp: 920259

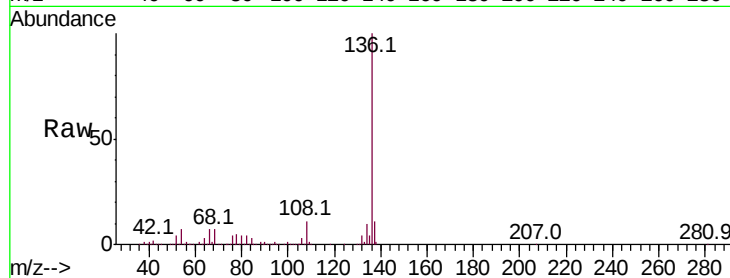
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.9 5.0 7.6

68 7.5 5.5 8.3

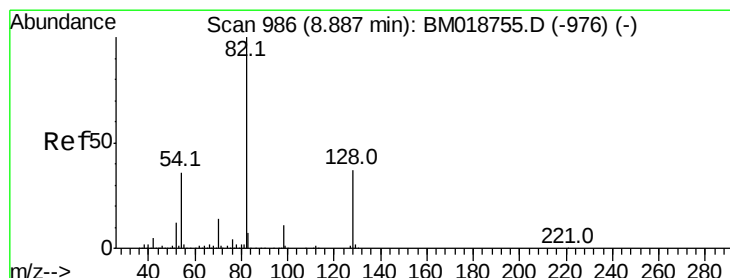
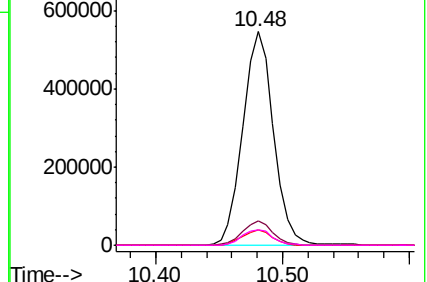
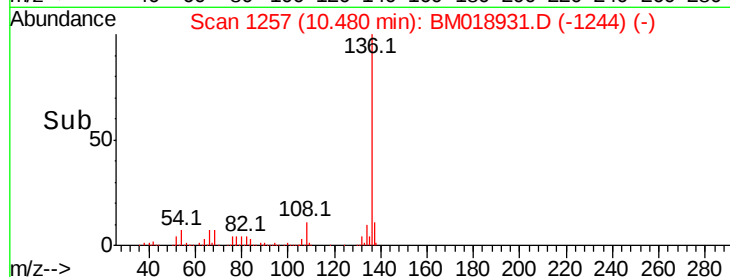


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.741 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

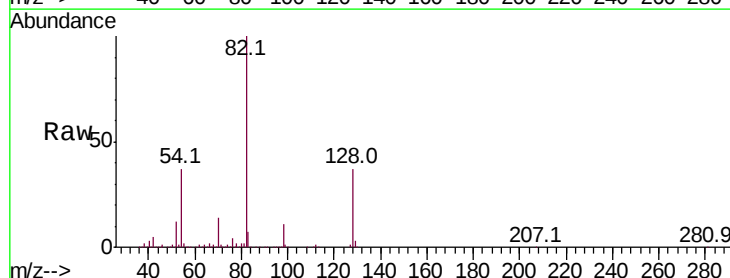
Tgt Ion: 82 Resp: 1985082

Ion Ratio Lower Upper

82 100

128 37.0 29.9 44.9

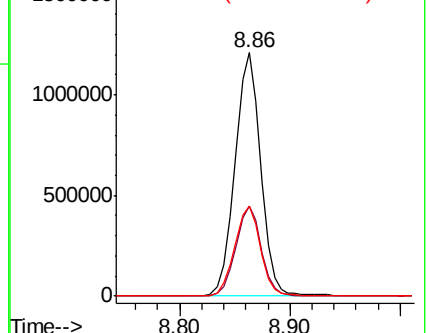
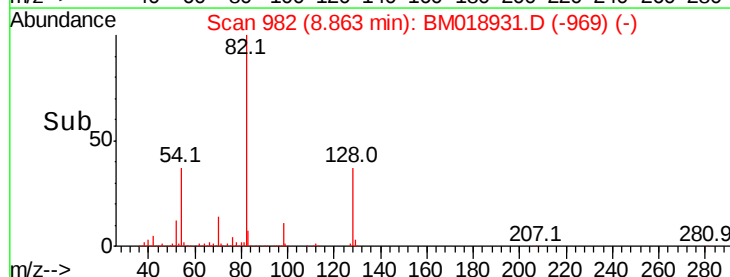
54 36.7 29.1 43.7

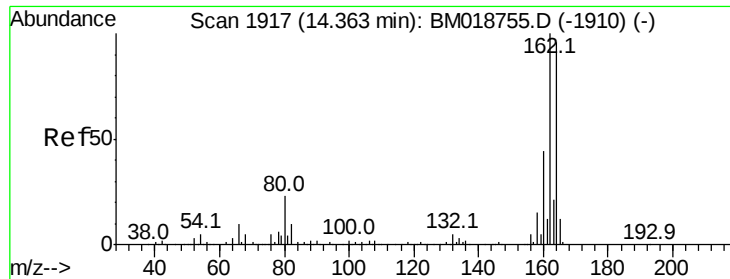


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.34 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampleId :

TP-23

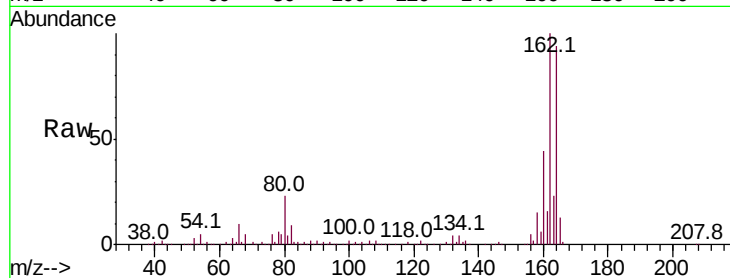
Tot Ion:164 Resp: 439308

Ion Ratio Lower Upper

164 100

162 106.1 83.4 125.0

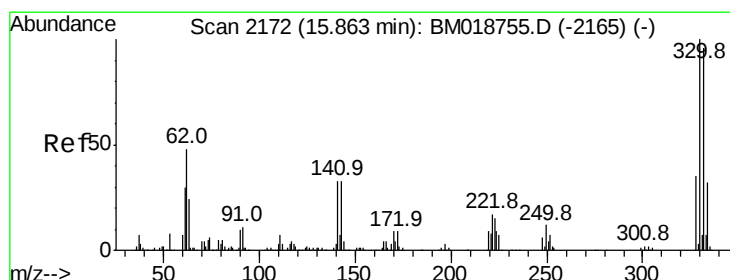
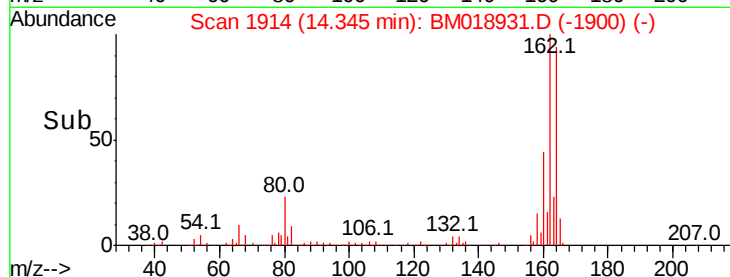
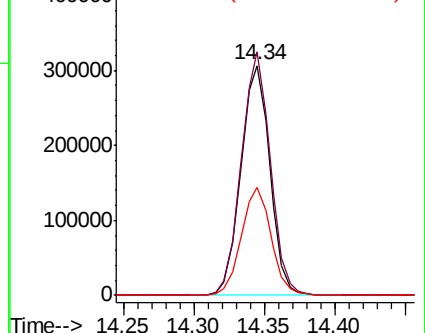
160 46.8 36.6 55.0



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



#42

2,4,6-Tribromophenol

Concen: 122.042 ng

RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

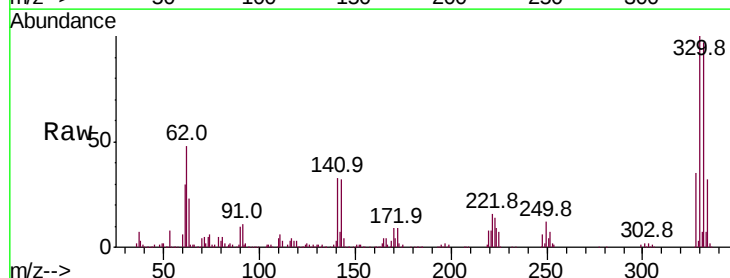
Tgt Ion:330 Resp: 772834

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

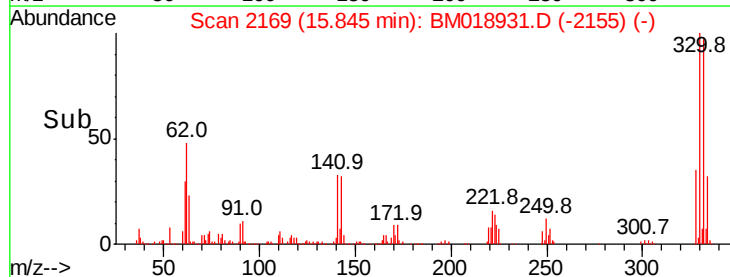
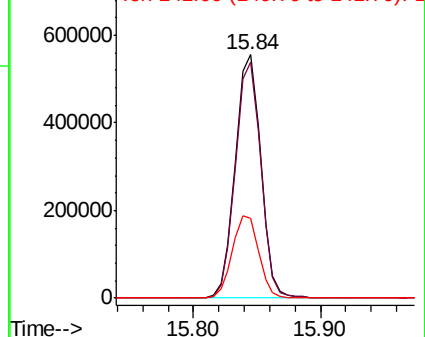
141 35.2 28.7 43.1

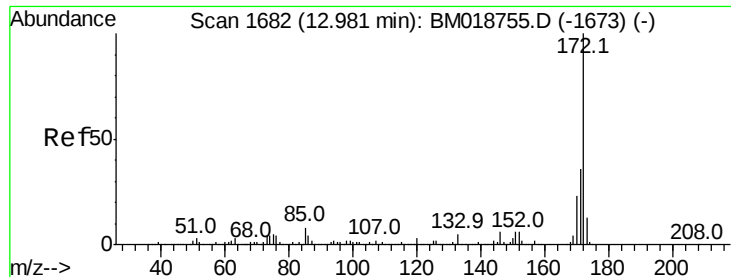


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



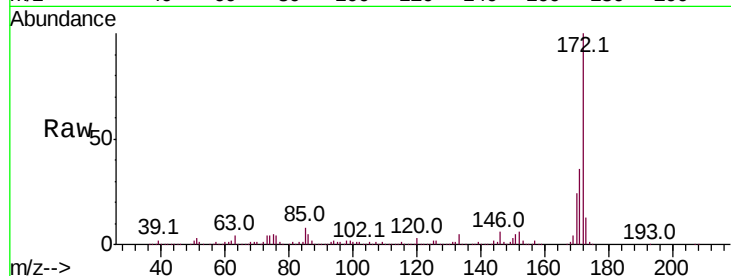


#45
 2-Fluorobiphenyl
 Concen: 79.341 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.02 min
 Lab File: BM018931.D
 Acq: 26 Feb 2019 16:09

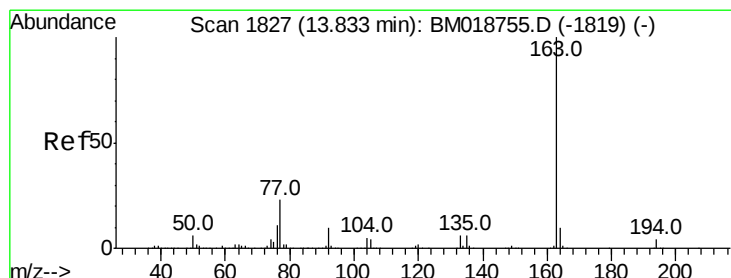
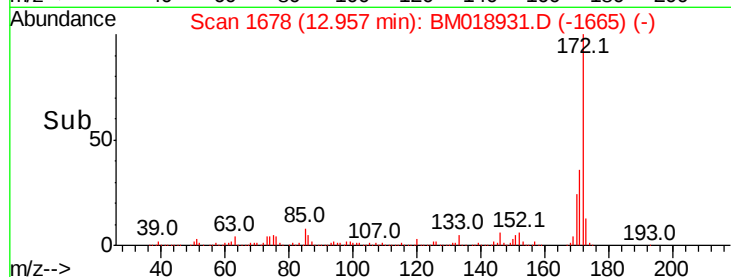
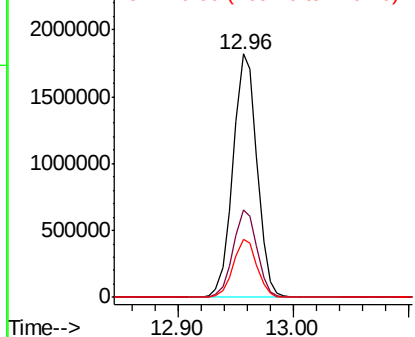
Instrument :
 BNA_M
 ClientSampled :
 TP-23

Tot Ion:172 Resp: 2625672

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	23.7	18.6	28.0



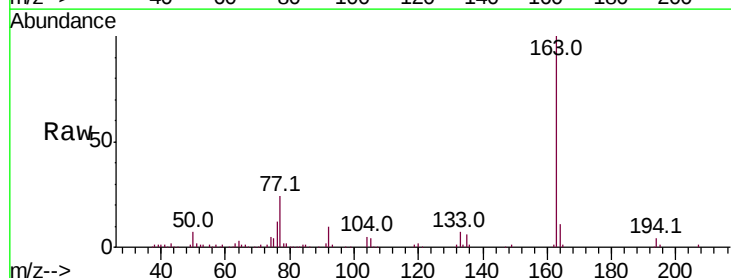
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



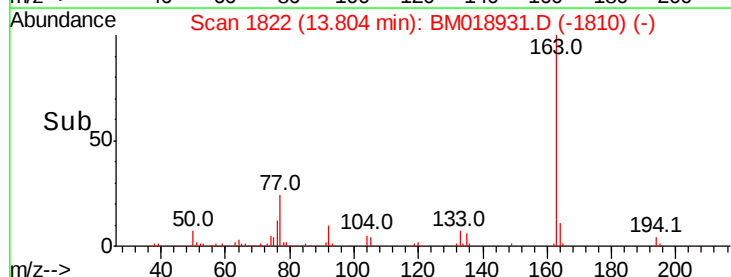
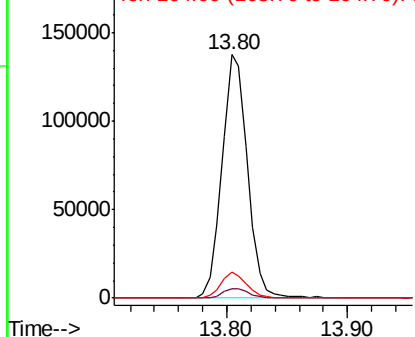
#50
 Dimethylphthalate
 Concen: 5.485 ng
 RT: 13.80 min Scan# 1822
 Delta R.T. -0.03 min
 Lab File: BM018931.D
 Acq: 26 Feb 2019 16:09

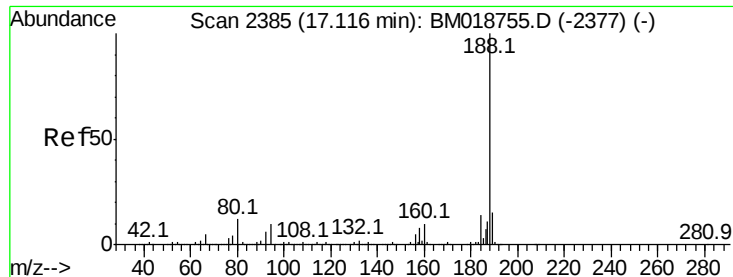
Tgt Ion:163 Resp: 200798

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.5	7.8	11.8



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

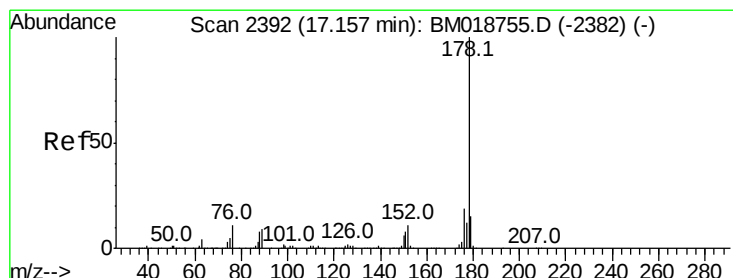
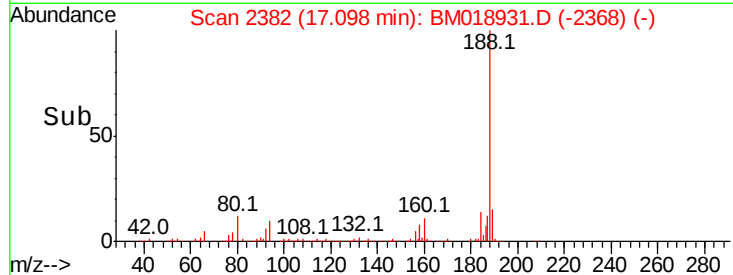
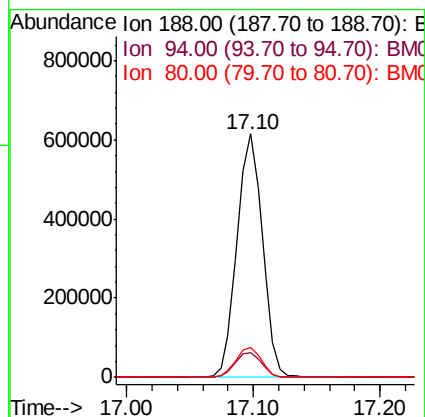
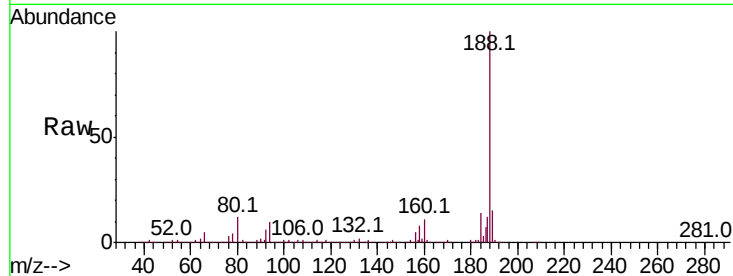




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2382
Delta R.T. -0.02 min
Lab File: BM018931.D
Acq: 26 Feb 2019 16:09

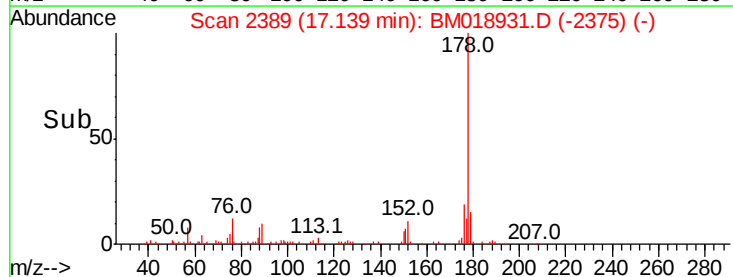
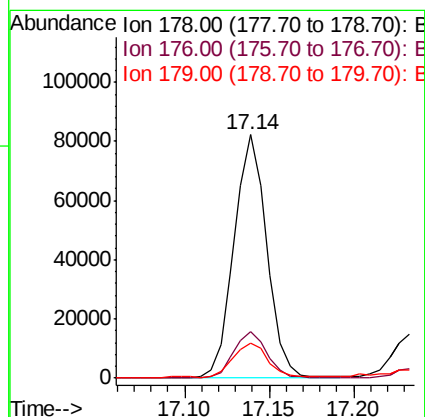
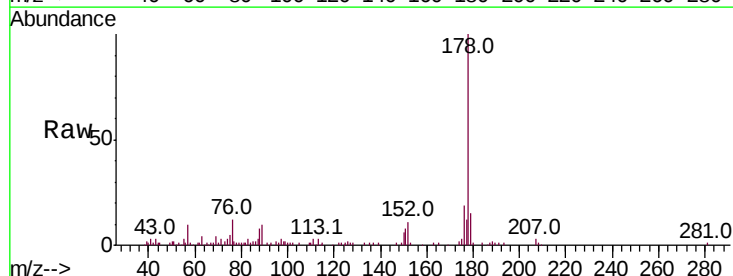
Instrument :
BNA_M
ClientSampleId :
TP-23

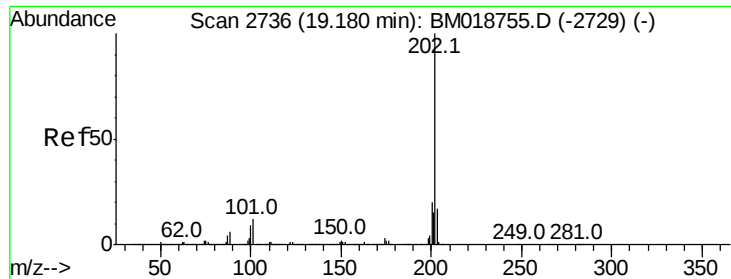
Tot Ion:188 Resp: 855729
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 12.1 9.7 14.5



#71
Phenanthrene
Concen: 2.429 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018931.D
Acq: 26 Feb 2019 16:09

Tgt Ion:178 Resp: 111694
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 14.5 12.3 18.5





#75

Fluoranthene

Concen: 3.962 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampleId :

TP-23

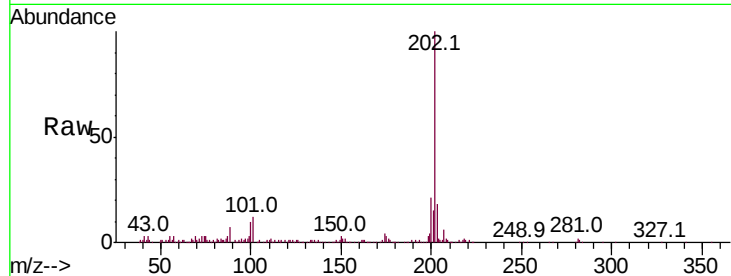
Tot Ion:202 Resp: 210493

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.5

203 17.6 0.0 37.3



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

19.16

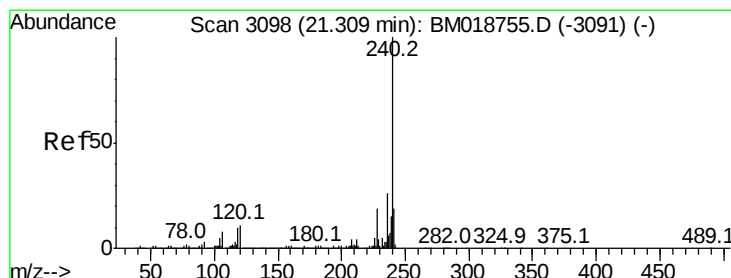
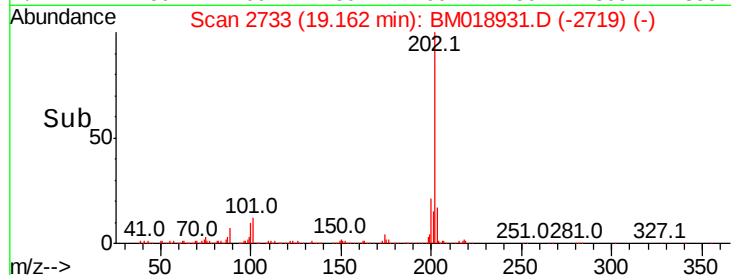
150000

100000

50000

0

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

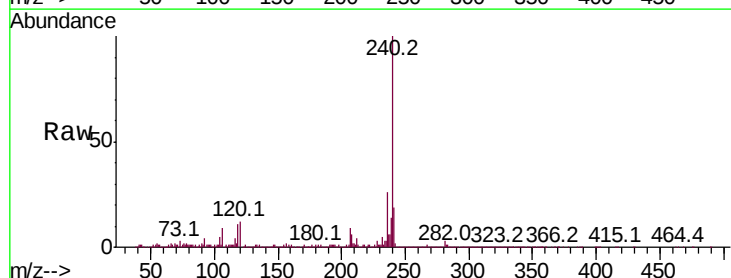
Tgt Ion:240 Resp: 956131

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 25.7 20.9 31.3



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

21.29

1000000

800000

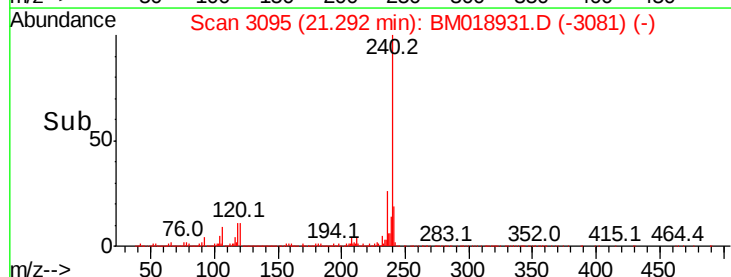
600000

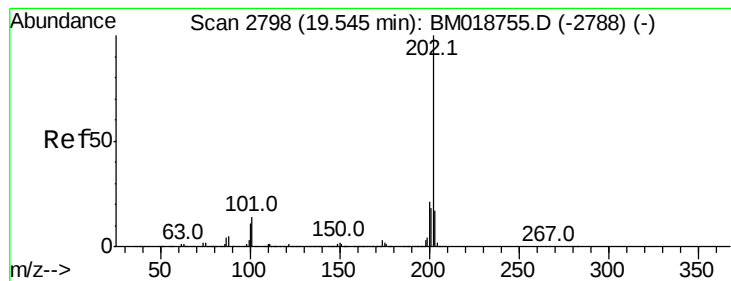
400000

200000

0

Time-->





#78

Pvrene

Concen: 3.787 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampleId :

TP-23

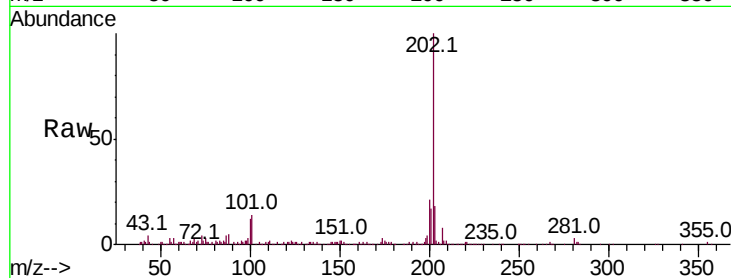
Tot Ion:202 Resp: 210269

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

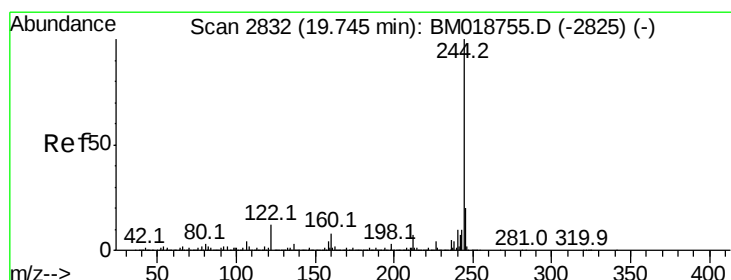
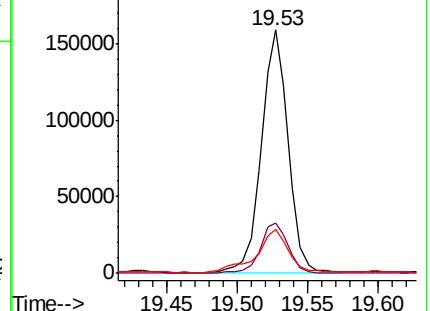
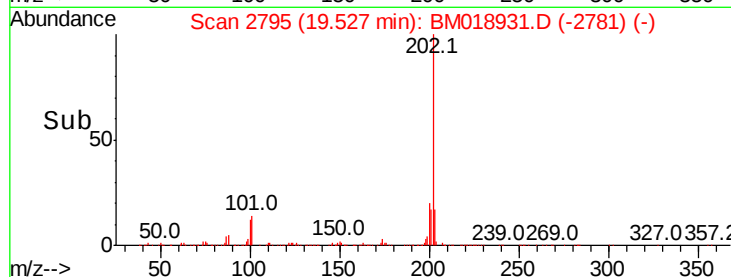
203 17.8 13.8 20.8



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



#79

Terphenyl-d14

Concen: 64.647 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

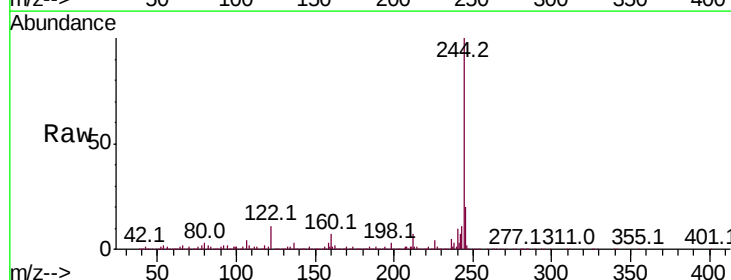
Tgt Ion:244 Resp: 2996318

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

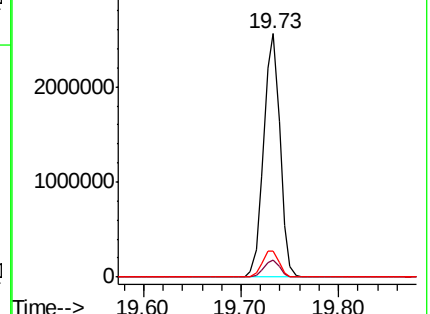
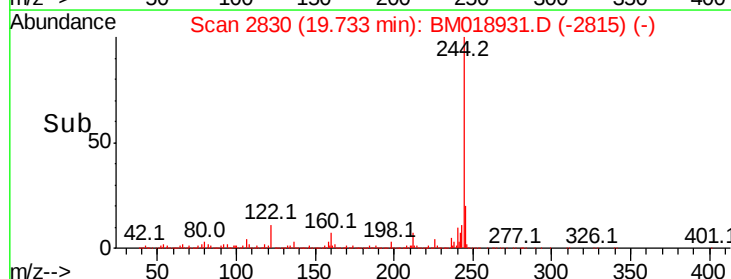
122 10.7 9.3 13.9

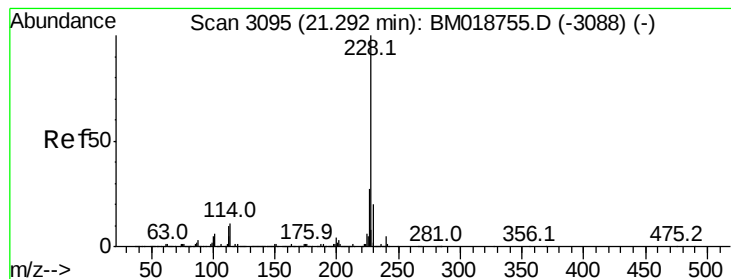


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.005 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampled :

TP-23

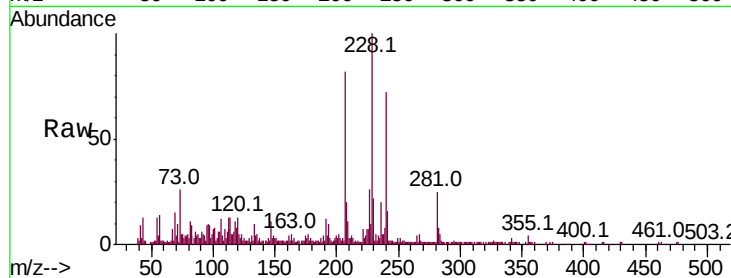
Tot Ion:228 Resp: 111759

Ion Ratio Lower Upper

228 100

226 26.4 21.9 32.9

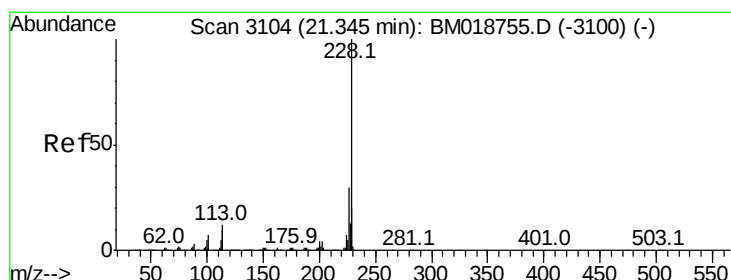
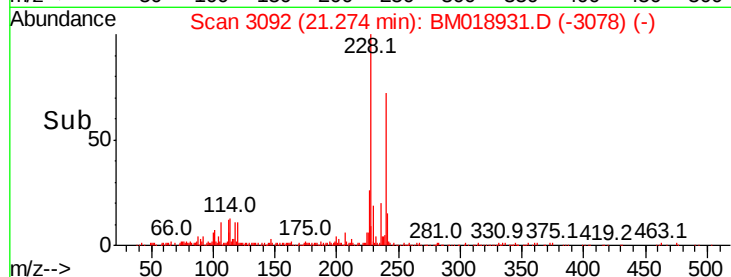
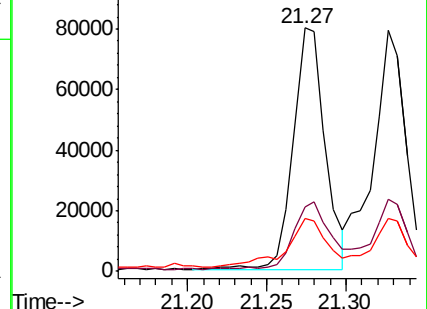
229 21.6 15.9 23.9



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: 2.089 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

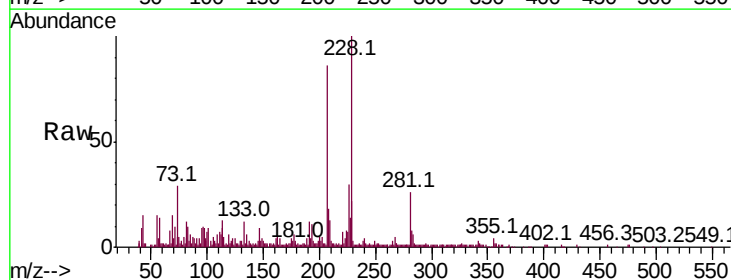
Tgt Ion:228 Resp: 111571

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

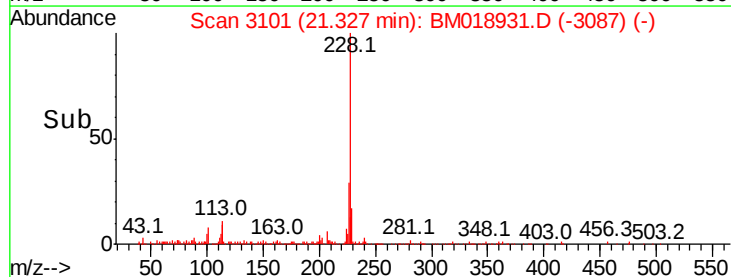
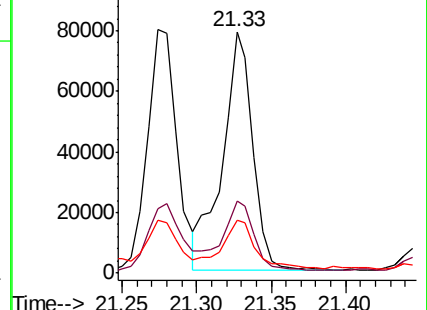
229 21.9 16.0 24.0

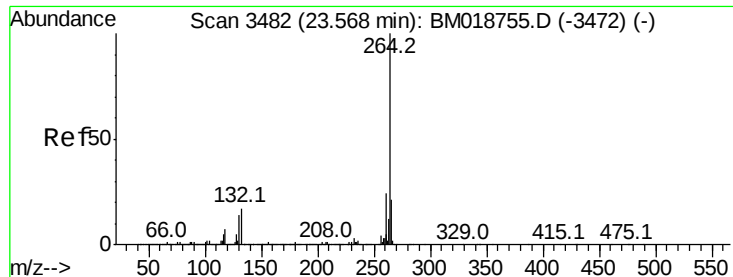


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

Instrument :

BNA_M

ClientSampleId :

TP-23

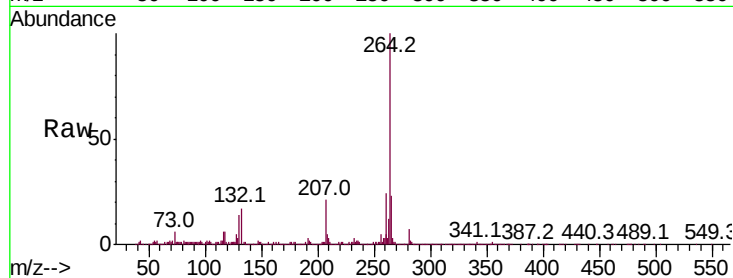
Tot Ion:264 Resp: 1110224

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

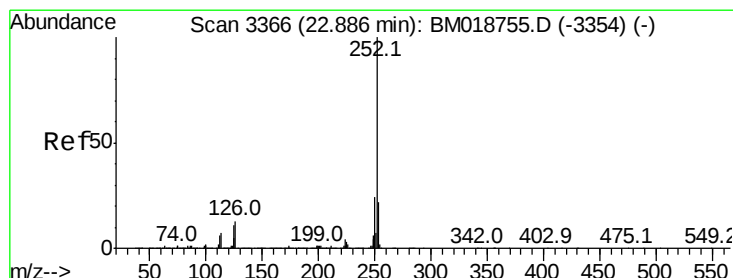
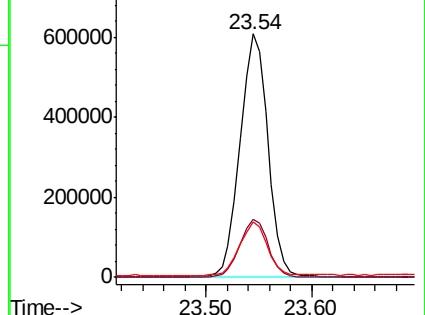
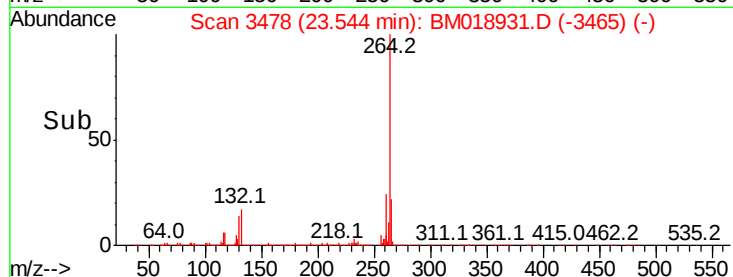
265 22.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.469 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.02 min

Lab File: BM018931.D

Acq: 26 Feb 2019 16:09

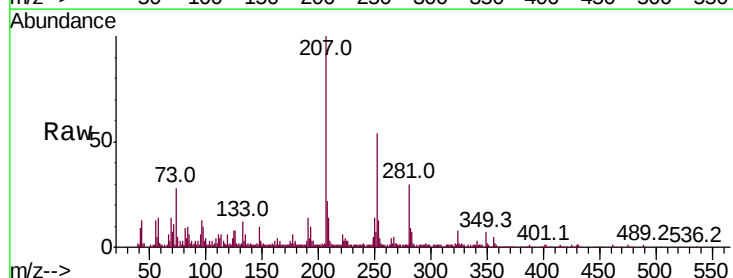
Tgt Ion:252 Resp: 156802

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 15.3 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

