

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021819\
 Data File : BM018841.D
 Acq On : 18 Feb 2019 16:48
 Operator : JU/SJ
 Sample : K1518-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

Quant Time: Feb 19 01:19:04 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	7.70	152	356288	20.00	ng	-0.01
21) Naphthalene-d8	10.49	136	1457900	20.00	ng	-0.01
39) Acenaphthene-d10	14.35	164	799790	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	1792604	20.00	ng	-0.01
76) Chrysene-d12	21.30	240	1678102	20.00	ng	0.00
87) Perylene-d12	23.56	264	1417442	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2070953	95.24	ng	0.00
7) Phenol-d6	6.88	99	2889346	94.32	ng	0.00
23) Nitrobenzene-d5	8.87	82	1887036	59.85	ng	-0.01
42) 2,4,6-Tribromophenol	15.85	330	1017300	88.24	ng	-0.01
45) 2-Fluorobiphenyl	12.97	172	3428117	56.90	ng	-0.01
79) Terphenyl-d14	19.74	244	5037490	61.93	ng	0.00

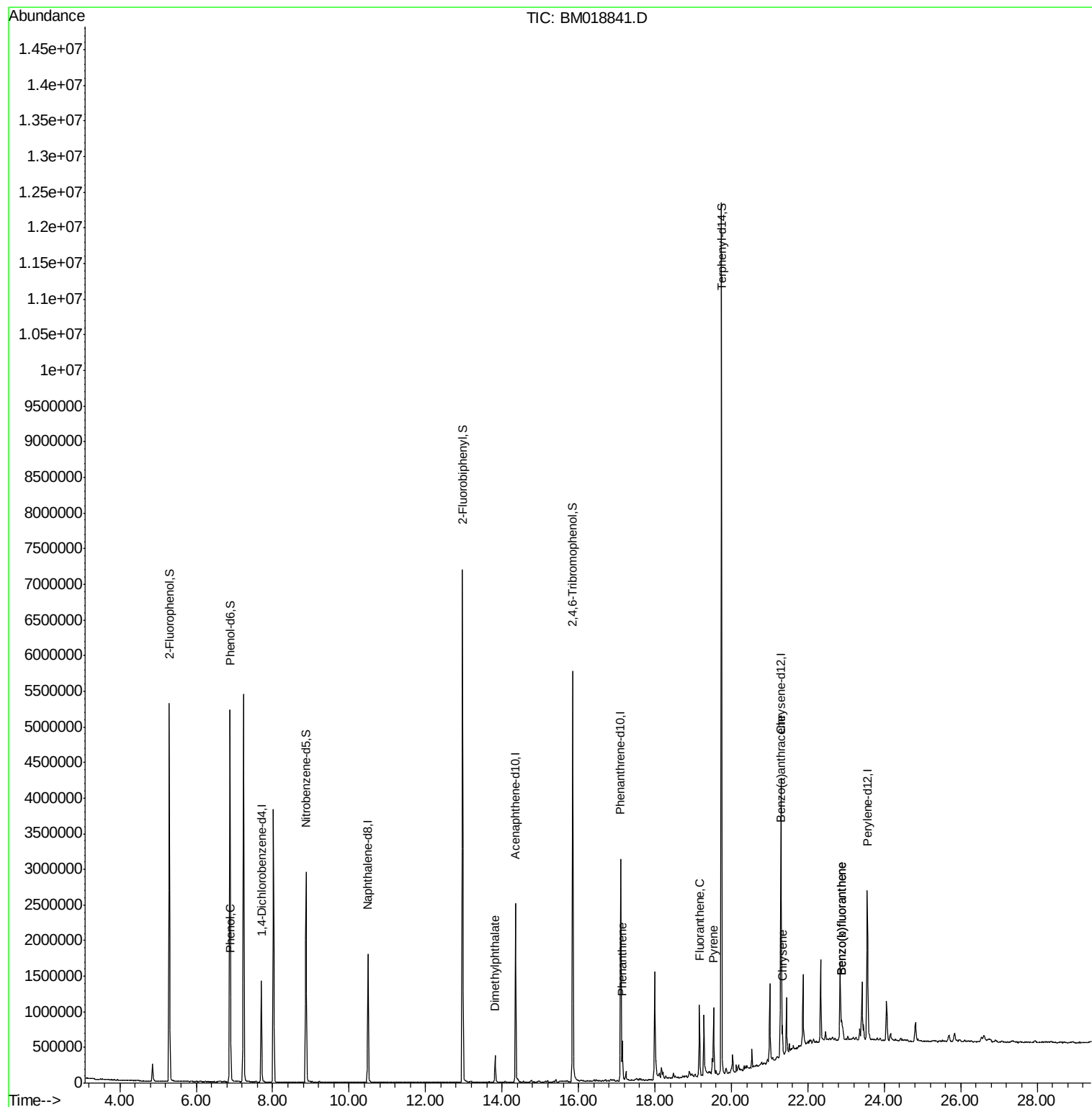
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.88	77	7887	Below Cal		# 17
10) Phenol	6.90	94	93792	2.910	ng	85
50) Dimethylphthalate	13.82	163	250563	3.759	ng	100
71) Phenanthrene	17.14	178	293339	3.045	ng	99
75) Fluoranthene	19.17	202	522435	4.695	ng	98
78) Pyrene	19.53	202	499887	5.129	ng	100
81) Benzo(a)anthracene	21.29	228	248341	2.539	ng	99
83) Chrysene	21.34	228	216020	2.304	ng	98
88) Benzo(b)fluoranthene	22.87	252	296064	3.651	ng	# 98
89) Benzo(k)fluoranthene	22.87	252	296723	3.675	ng	# 97

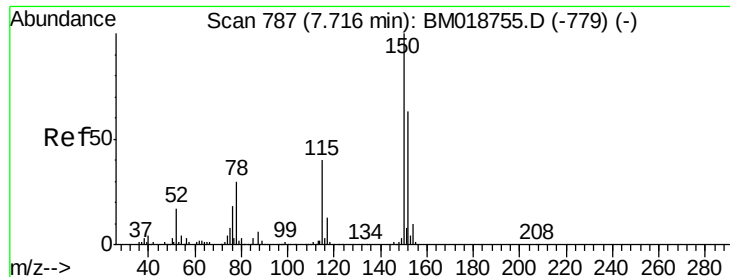
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021819\
Data File : BM018841.D
Acq On : 18 Feb 2019 16:48
Operator : JU/SJ
Sample : K1518-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

Quant Time: Feb 19 01:19:04 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



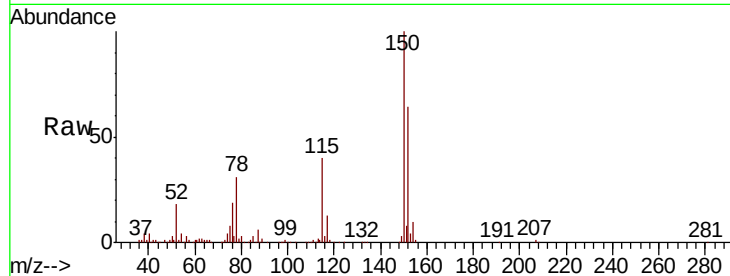


#1

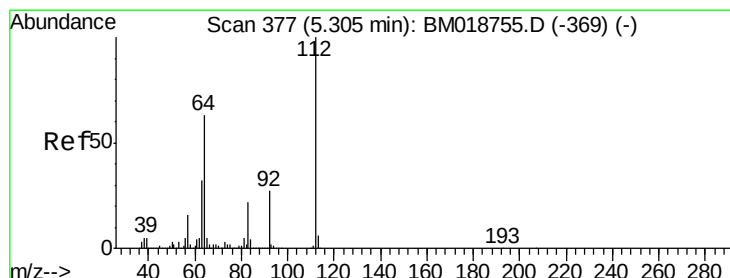
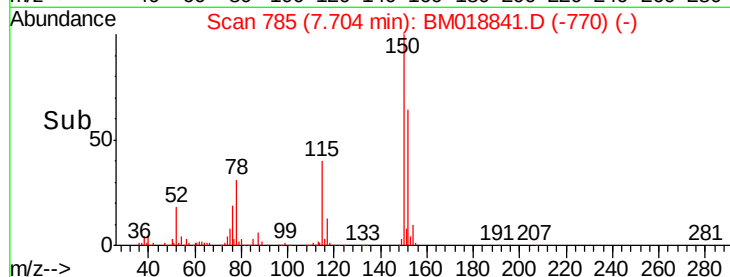
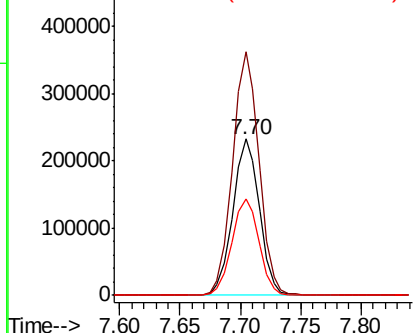
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BM018841.D
 Acq: 18 Feb 2019 16:48

Instrument :
 BNA_M
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion:152 Resp: 356288
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.3 190.9
 115 62.0 50.8 76.2



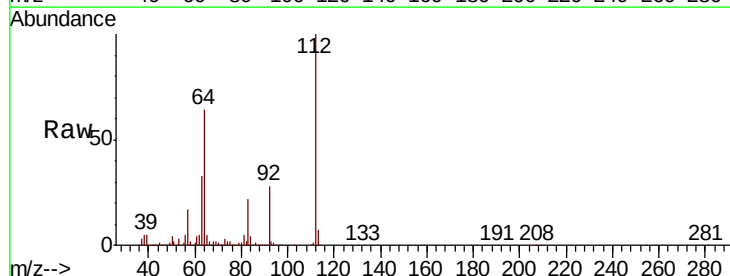
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



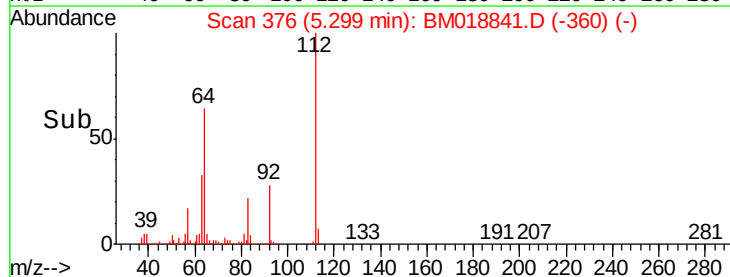
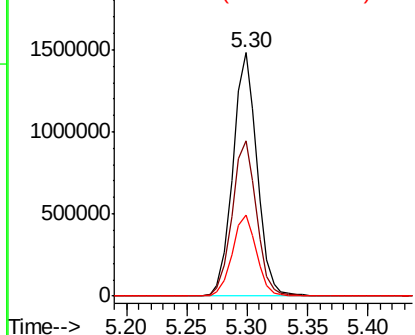
#5

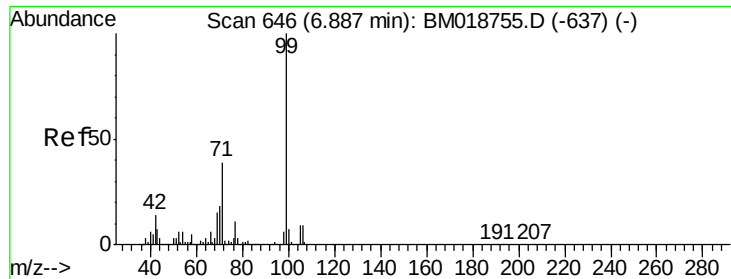
2-Fluorophenol
 Concen: 95.238 ng
 RT: 5.30 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: BM018841.D
 Acq: 18 Feb 2019 16:48

Tgt Ion:112 Resp: 2070953
 Ion Ratio Lower Upper
 112 100
 64 63.7 50.6 75.8
 63 33.2 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: 94.320 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

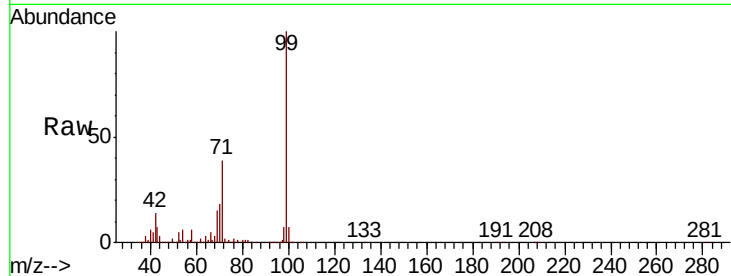
Tgt Ion: 99 Resp: 2889346

Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.6

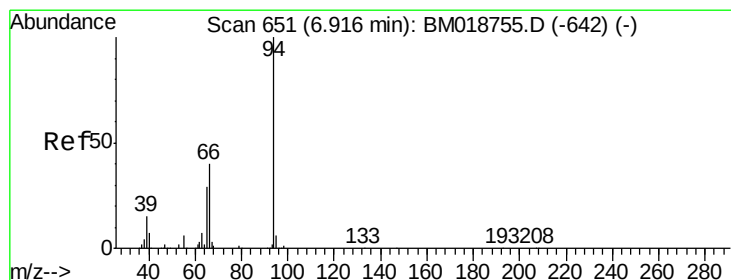
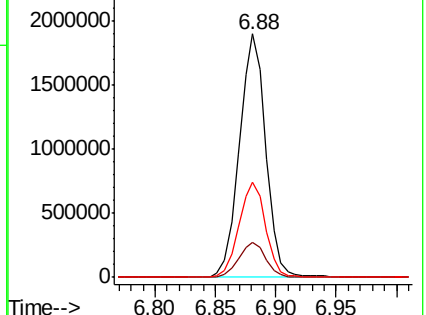
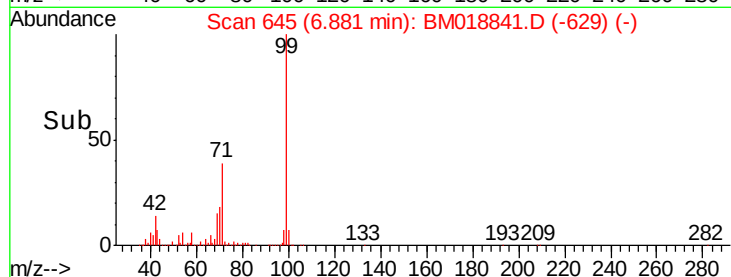
71 39.1 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018841.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018841.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018841.D (-629) (-)



#10

Phenol

Concen: 2.910 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

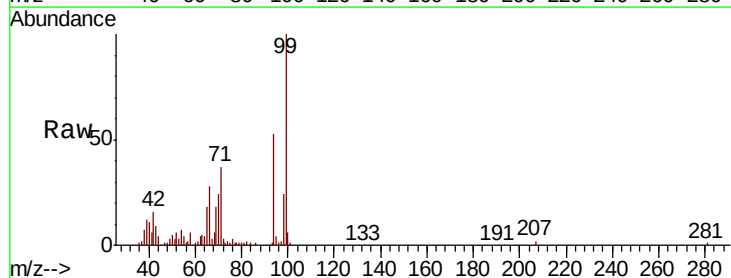
Tgt Ion: 94 Resp: 93792

Ion Ratio Lower Upper

94 100

65 33.7 9.6 49.6

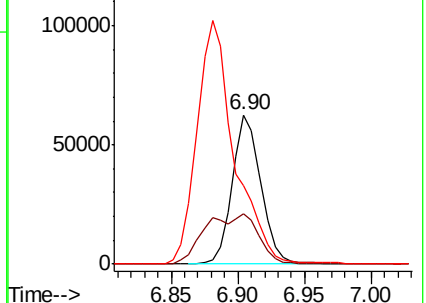
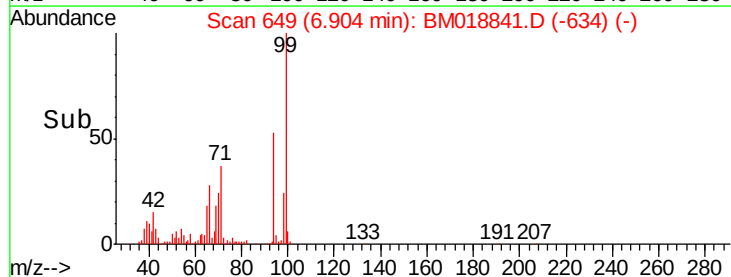
66 52.6 20.4 60.4

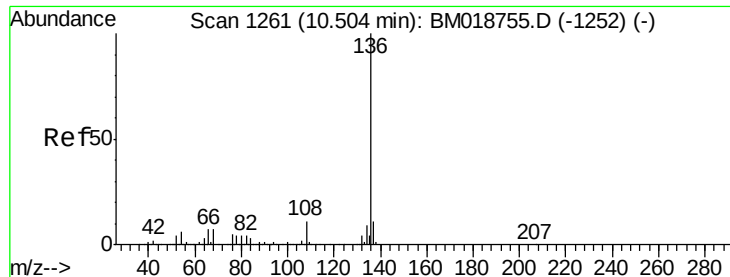


Abundance Ion 94.00 (93.70 to 94.70): BM018841.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018841.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018841.D (-634) (-)

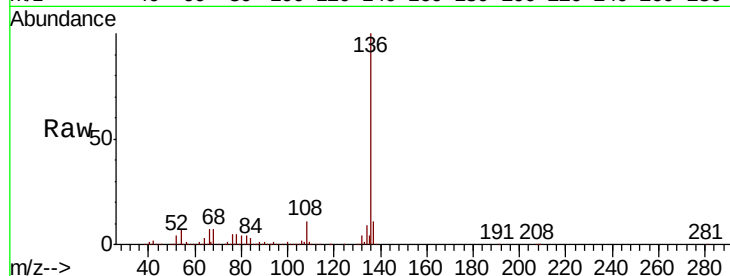




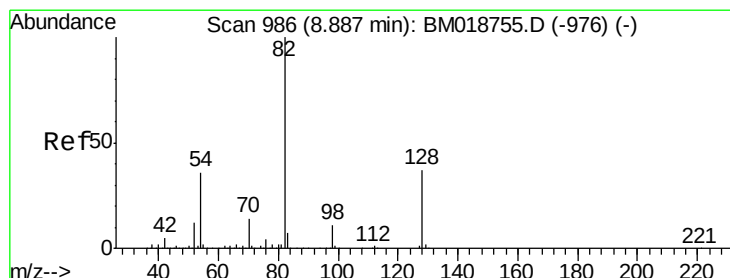
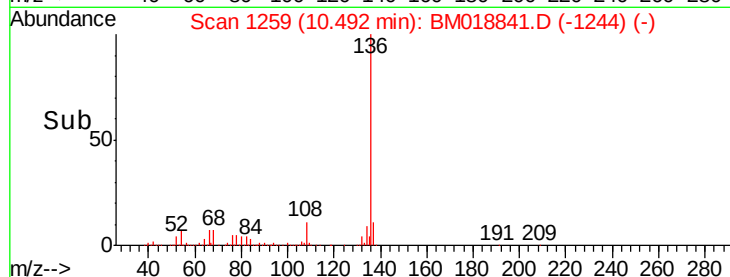
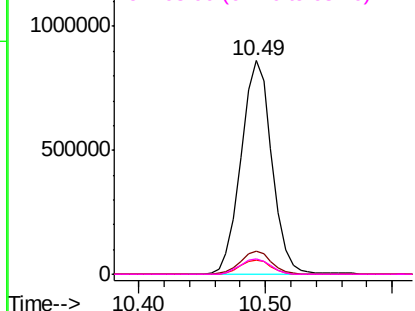
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BM018841.D
Acq: 18 Feb 2019 16:48

Instrument :
BNA_M
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

Tgt Ion:	136	Resp:	1457900
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.0	7.6
68	7.5	5.5	8.3

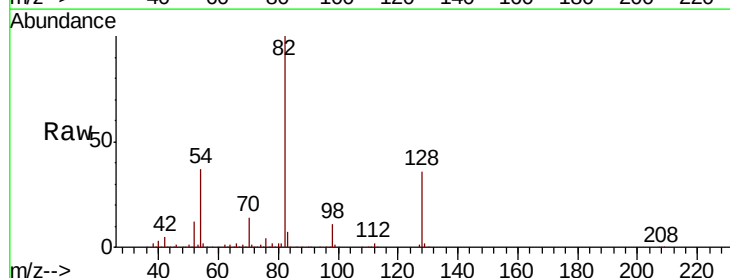


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

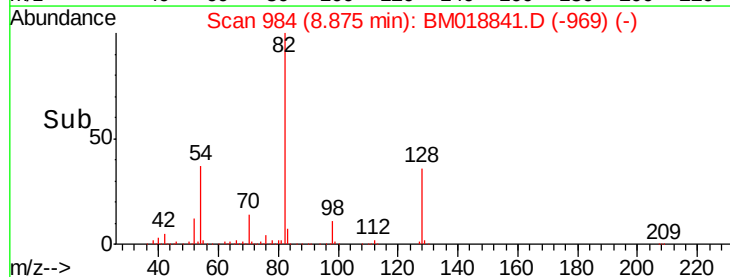
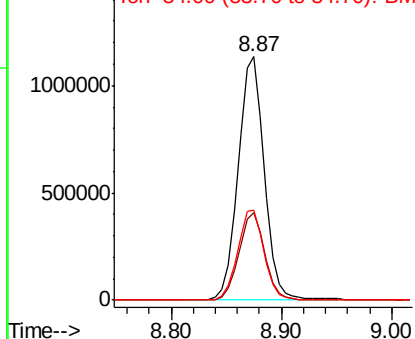


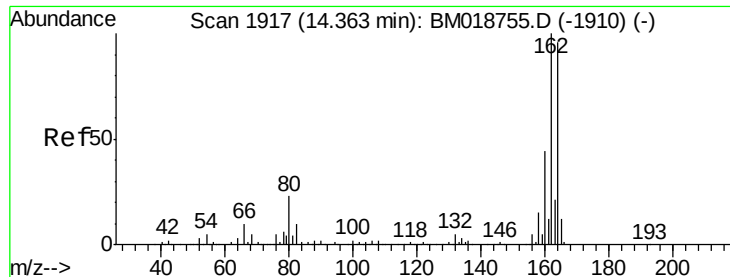
#23
Nitrobenzene-d5
Concen: 59.849 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM018841.D
Acq: 18 Feb 2019 16:48

Tgt Ion:	82	Resp:	1887036
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.9	44.9
54	37.0	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: 14.35 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

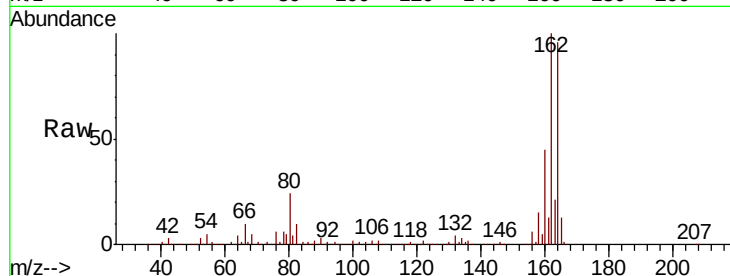
Tgt Ion:164 Resp: 799790

Ion Ratio Lower Upper

164 100

162 104.4 83.4 125.0

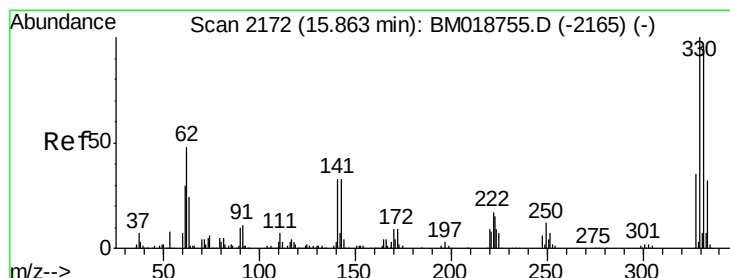
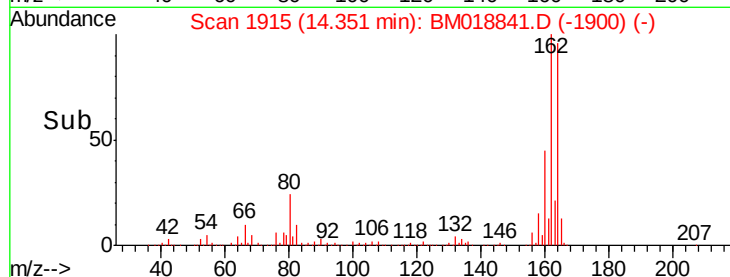
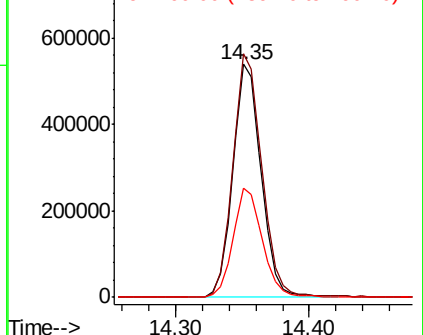
160 46.7 36.6 55.0



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: 88.240 ng

RT: 15.85 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

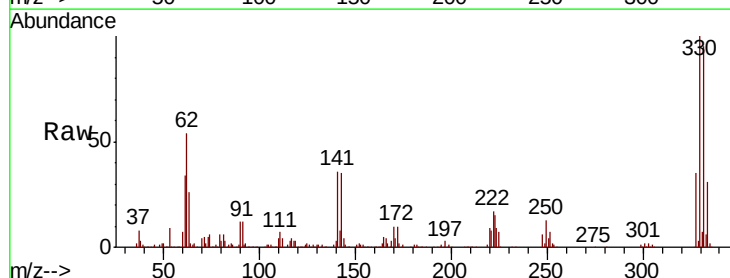
Tgt Ion:330 Resp: 1017300

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

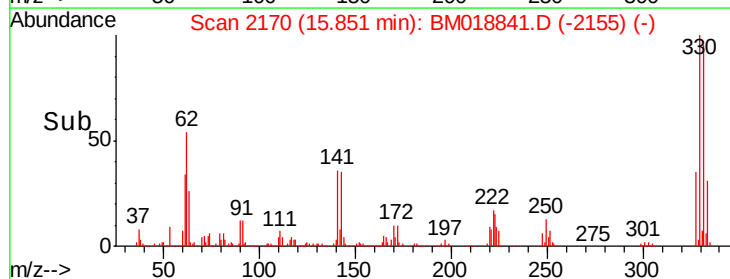
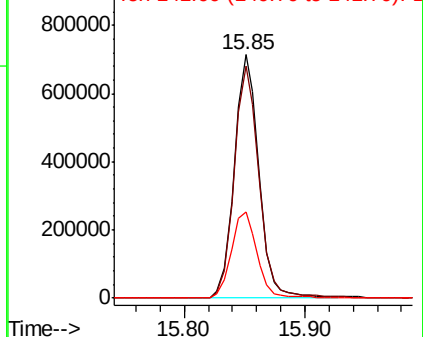
141 37.1 28.7 43.1

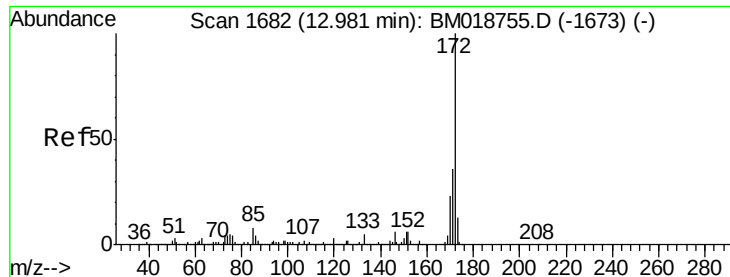


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

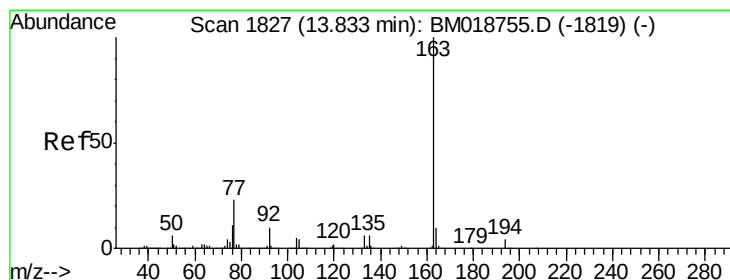
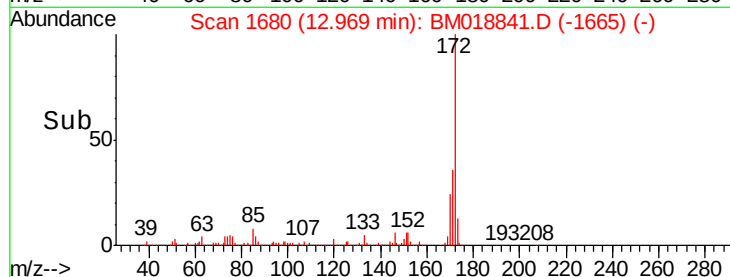
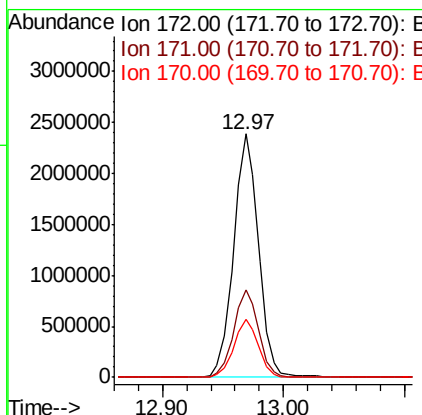
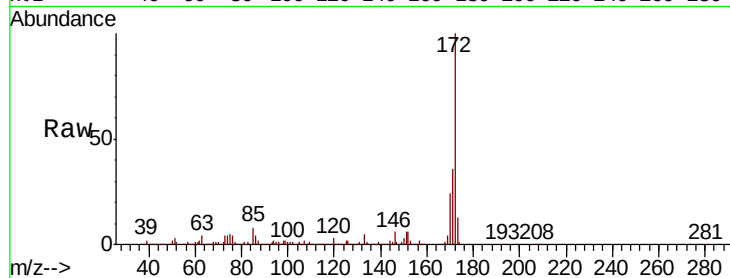




#45
2-Fluorobiphenyl
Concen: 56.899 ng
RT: 12.97 min Scan# 1680
Delta R.T. -0.01 min
Lab File: BM018841.D
Acq: 18 Feb 2019 16:48

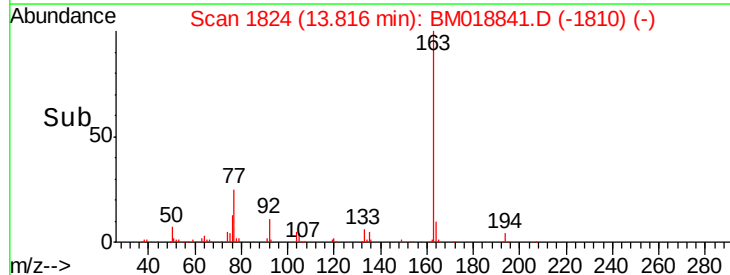
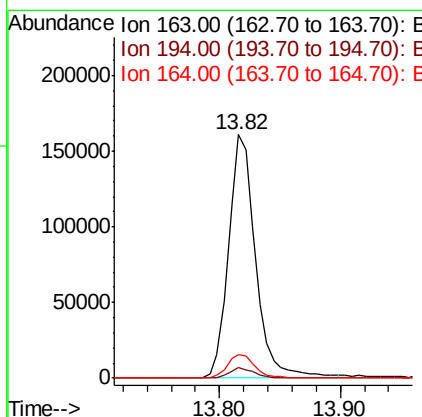
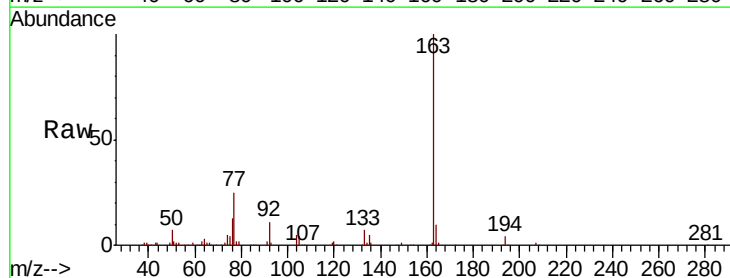
Instrument :
BNA_M
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

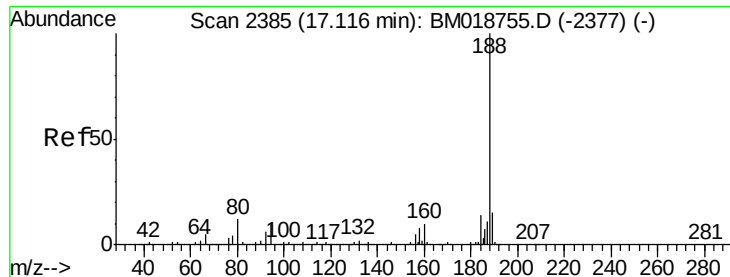
Tgt Ion:172 Resp: 3428117
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.6 18.6 28.0



#50
Dimethylphthalate
Concen: 3.759 ng
RT: 13.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018841.D
Acq: 18 Feb 2019 16:48

Tgt Ion:163 Resp: 250563
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.7 7.8 11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

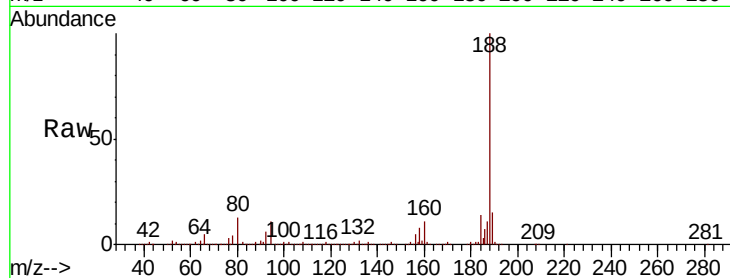
Tgt Ion:188 Resp: 1792604

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.2

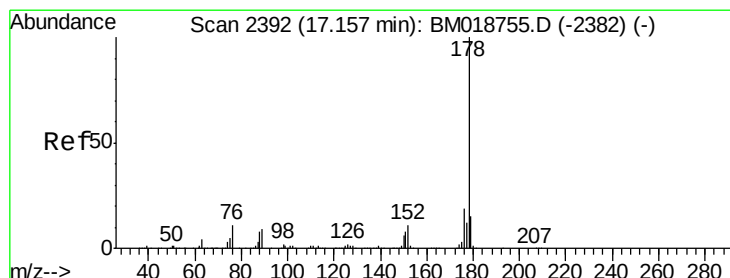
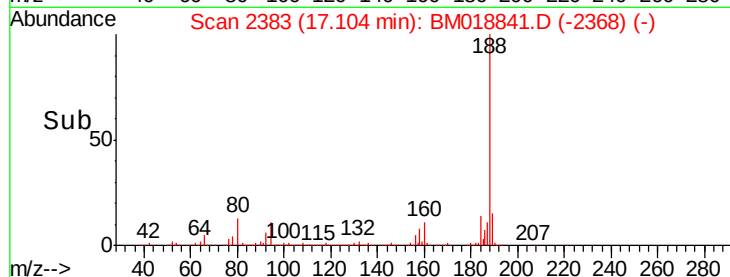
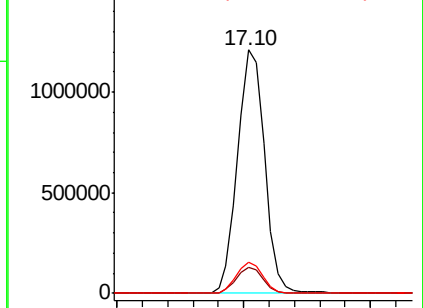
80 12.8 9.7 14.5



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



#71

Phenanthrene

Concen: 3.045 ng

RT: 17.14 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

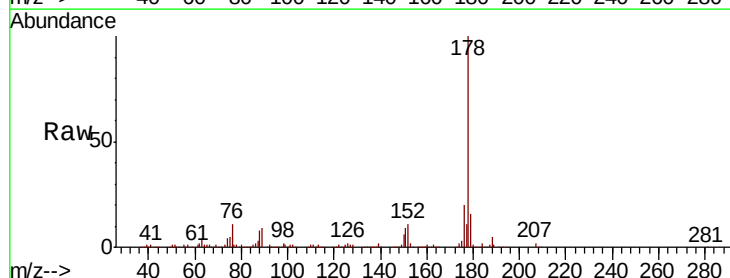
Tgt Ion:178 Resp: 293339

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

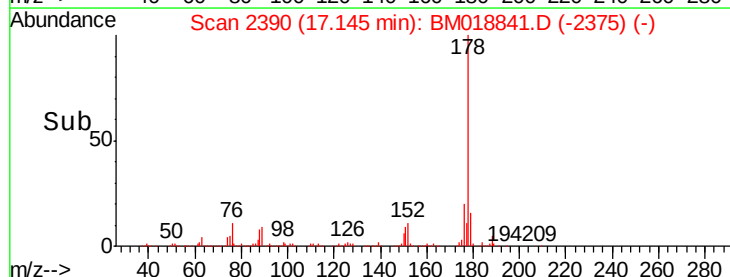
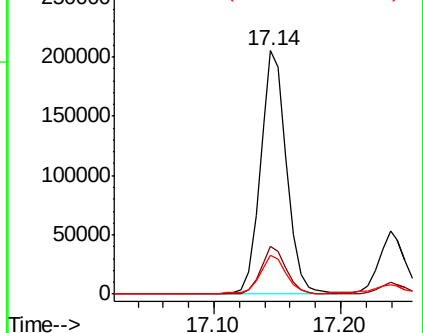
179 16.0 12.3 18.5

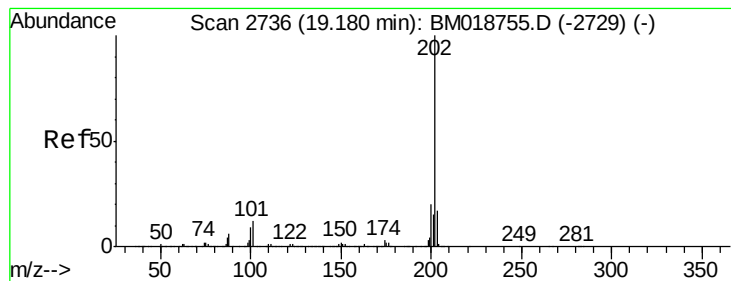


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.695 ng

RT: 19.17 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

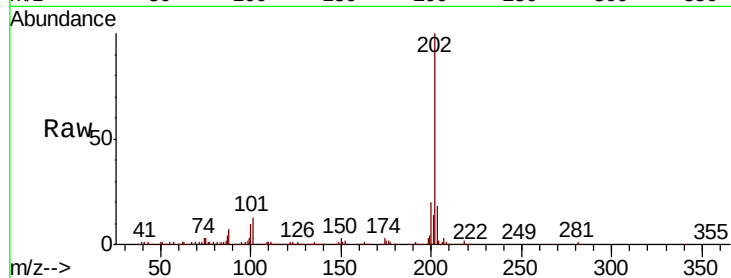
Tgt Ion:202 Resp: 522435

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.5

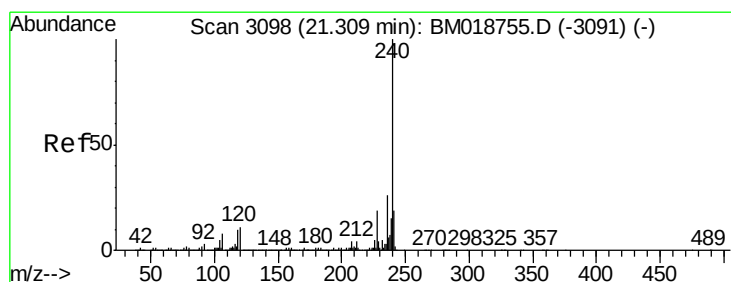
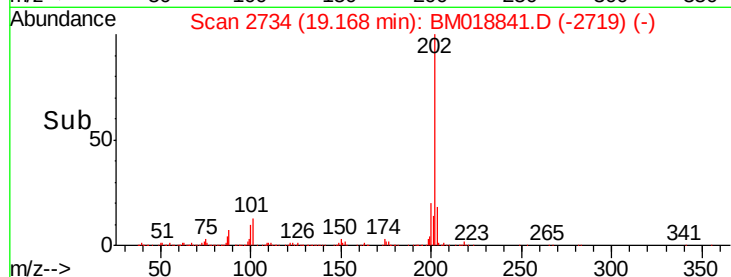
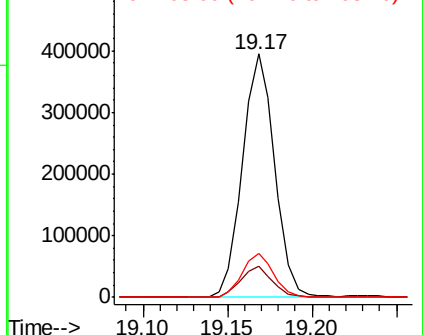
203 18.1 0.0 37.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

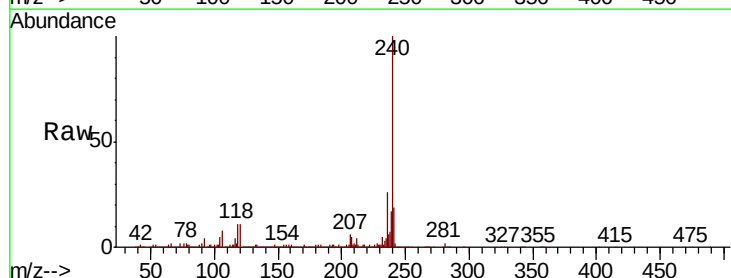
Tgt Ion:240 Resp: 1678102

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

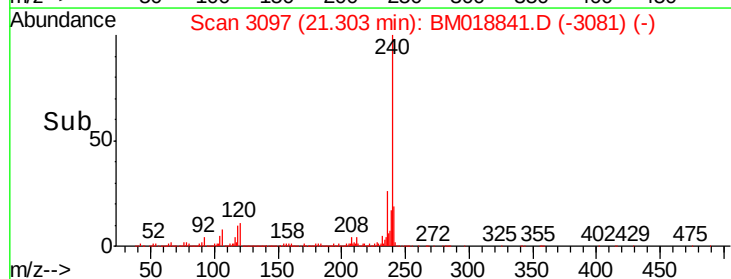
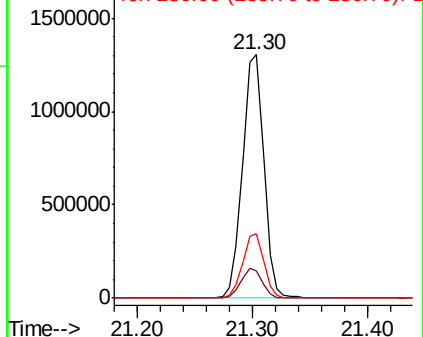
236 26.2 20.9 31.3

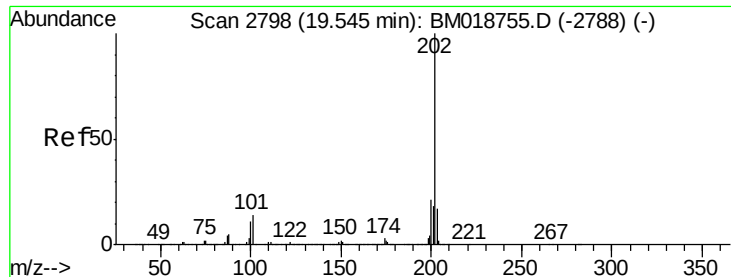


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

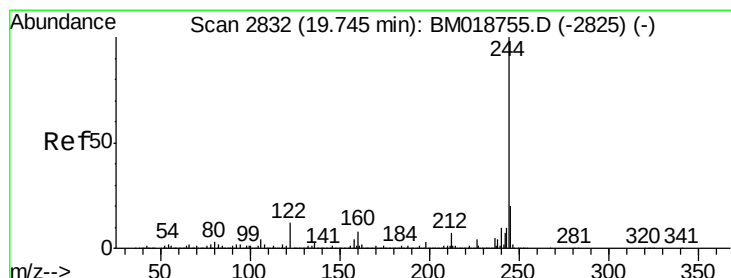
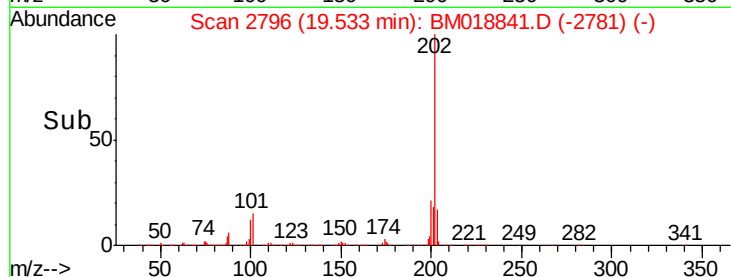
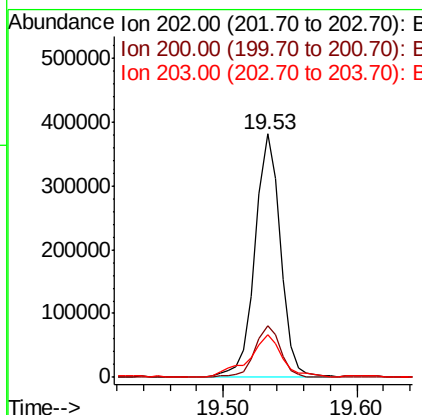
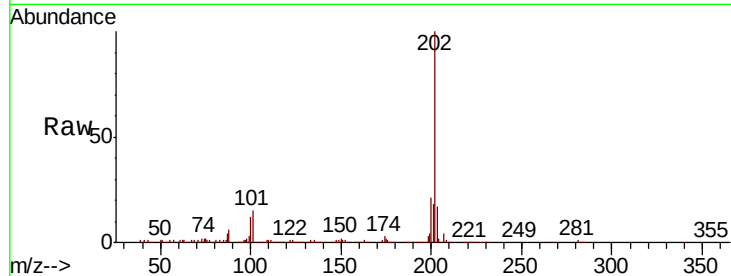




#78
 Pyrene
 Concen: 5.129 ng
 RT: 19.53 min Scan# 2796
 Delta R.T. -0.01 min
 Lab File: BM018841.D
 Acq: 18 Feb 2019 16:48

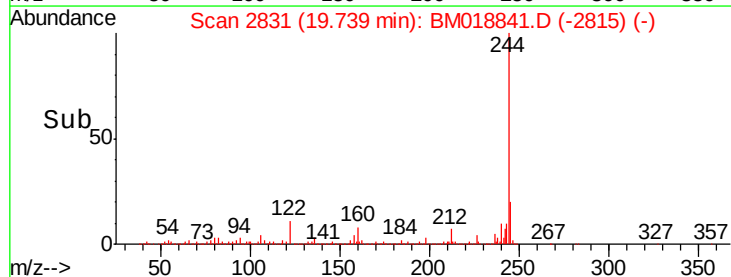
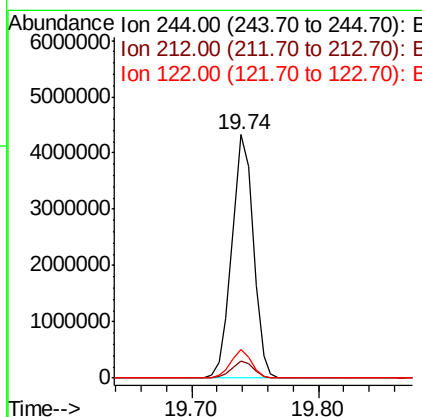
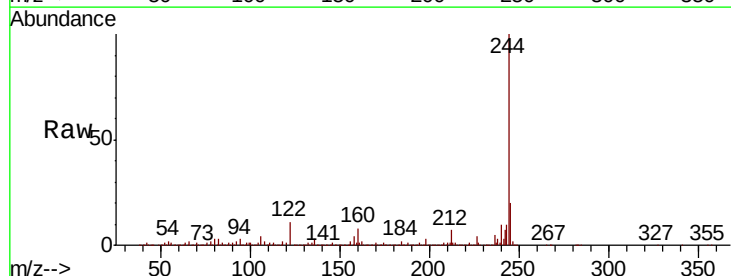
Instrument :
 BNA_M
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

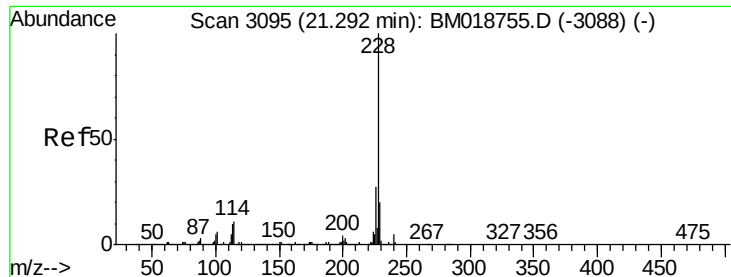
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.5	13.8	20.8



#79
 Terphenyl-d14
 Concen: 61.926 ng
 RT: 19.74 min Scan# 2831
 Delta R.T. -0.01 min
 Lab File: BM018841.D
 Acq: 18 Feb 2019 16:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.5	9.3	13.9





#81

Benzo(a)anthracene

Concen: 2.539 ng

RT: 21.29 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

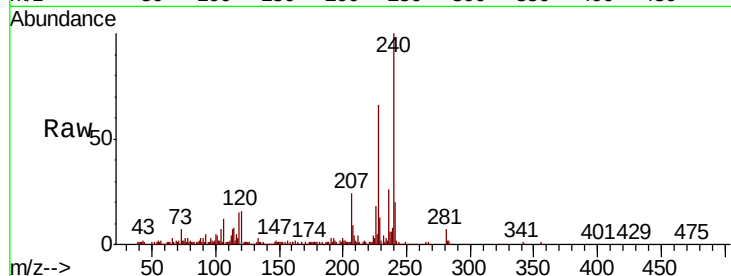
Tgt Ion:228 Resp: 248341

Ion Ratio Lower Upper

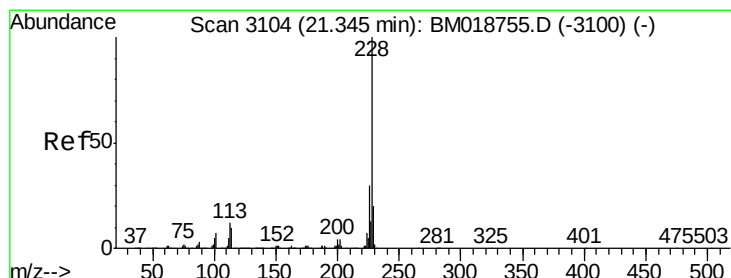
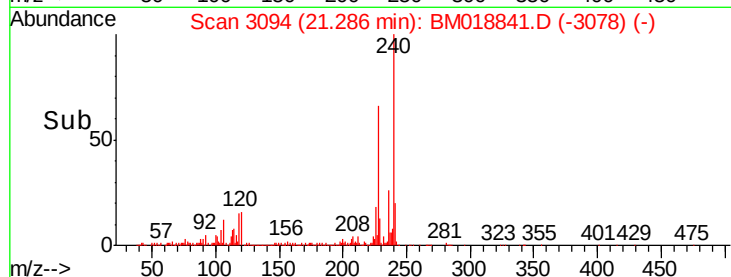
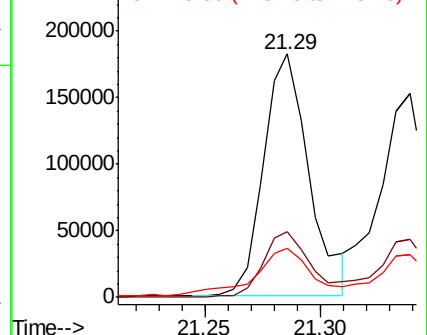
228 100

226 27.1 21.9 32.9

229 20.2 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: 2.304 ng

RT: 21.34 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

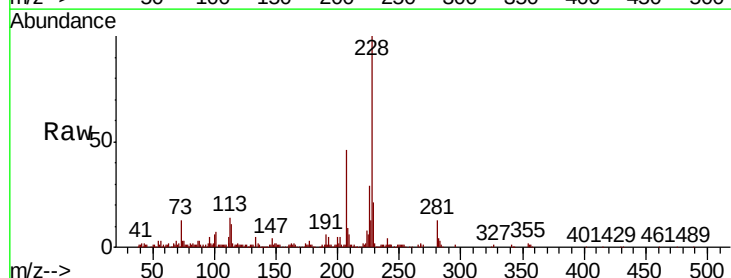
Tgt Ion:228 Resp: 216020

Ion Ratio Lower Upper

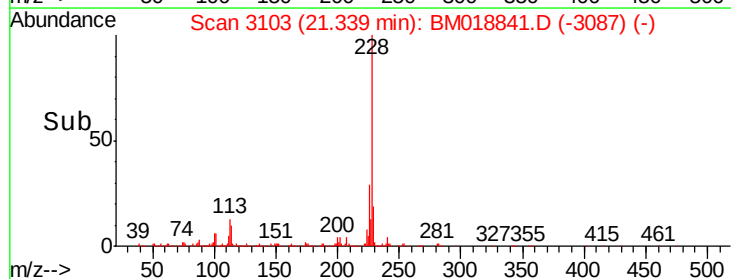
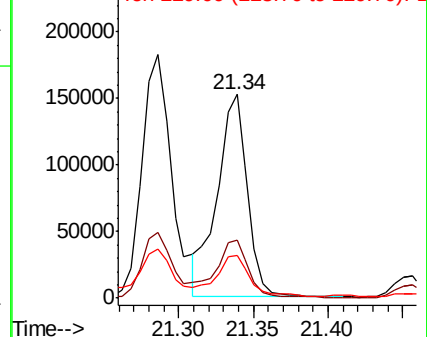
228 100

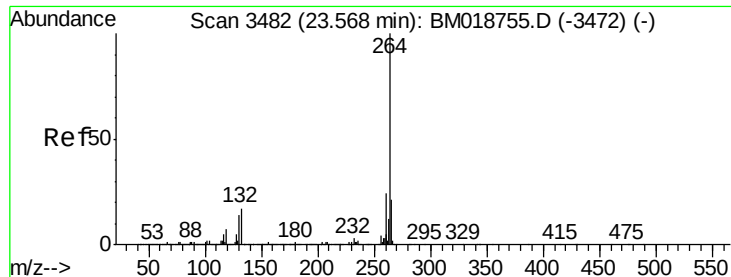
226 28.8 24.1 36.1

229 21.1 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

Perylene-d12

Concen: 20.000 ng

RT: 23.56 min Scan# 3480

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

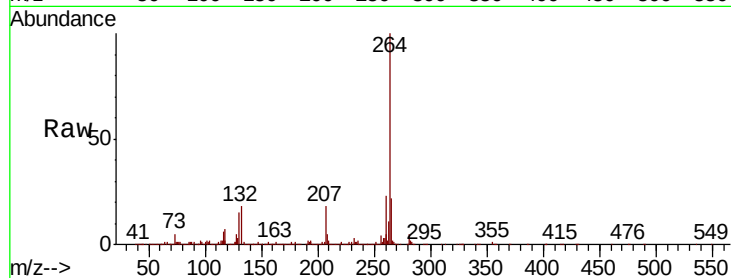
Tgt Ion:264 Resp: 1417442

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

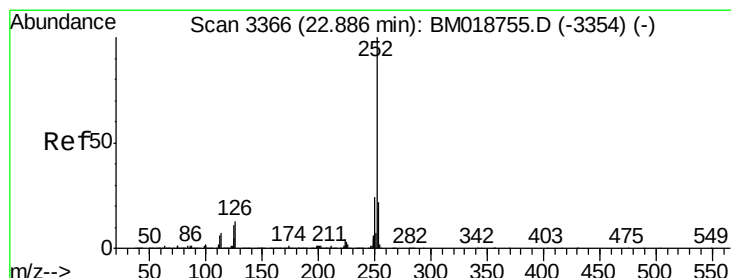
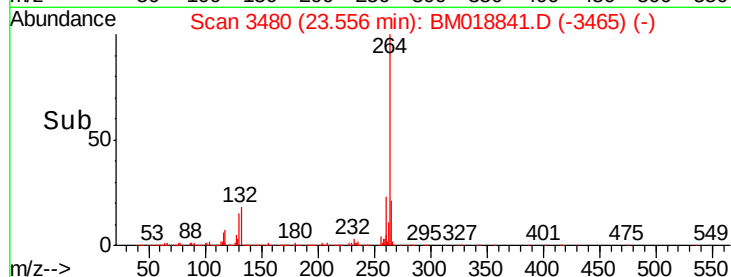
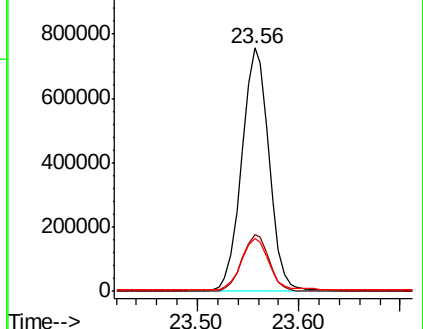
265 21.9 17.3 25.9



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: 3.651 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

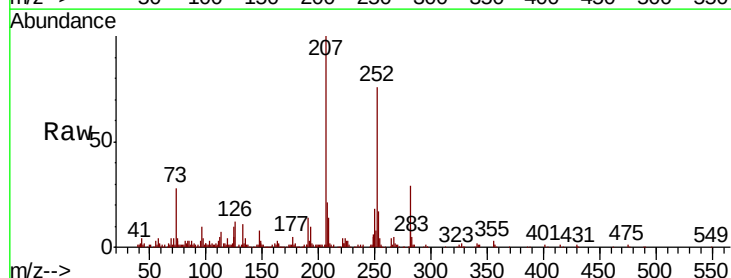
Tgt Ion:252 Resp: 296064

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

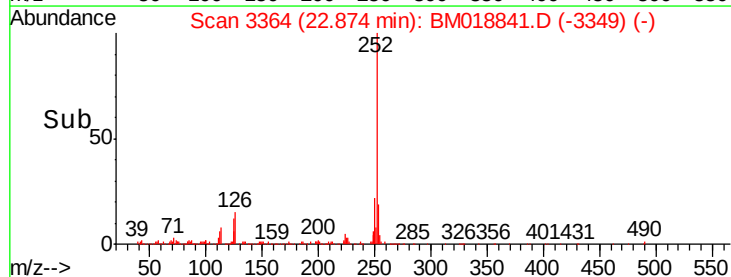
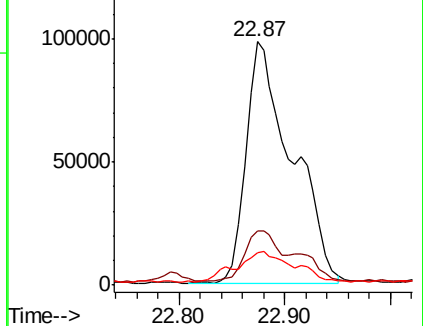
125 13.2 8.6 12.8#

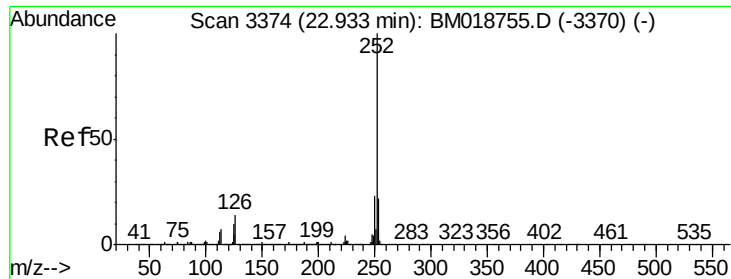


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.675 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.06 min

Lab File: BM018841.D

Acq: 18 Feb 2019 16:48

Instrument :

BNA_M

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

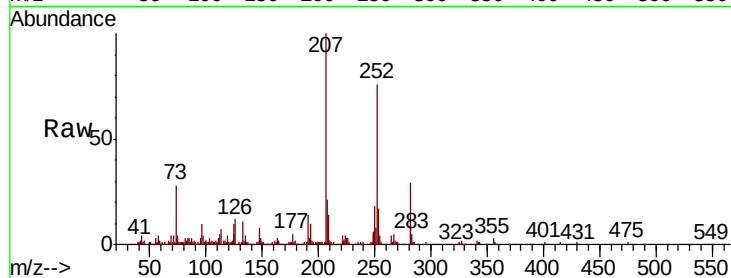
Tgt Ion: 252 Resp: 296723

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 13.2 8.2 12.4#



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

