

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM030519\
 Data File : BM019060.D
 Acq On : 06 Mar 2019 06:41
 Operator : JU/SJ
 Sample : K1704-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B110-022719

Quant Time: Mar 06 07:19:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	262868	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1031527	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	572421	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1306054	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1367785	20.00	ng	-0.01
87) Perylene-d12	23.52	264	1305217	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	2003132	124.86	ng	0.00
7) Phenol-d6	6.86	99	2807277	124.21	ng	0.00
23) Nitrobenzene-d5	8.84	82	1761903	78.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.83	330	1095906	132.82	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	3345607	77.59	ng	-0.01
79) Terphenyl-d14	19.72	244	5230575	78.89	ng	0.00

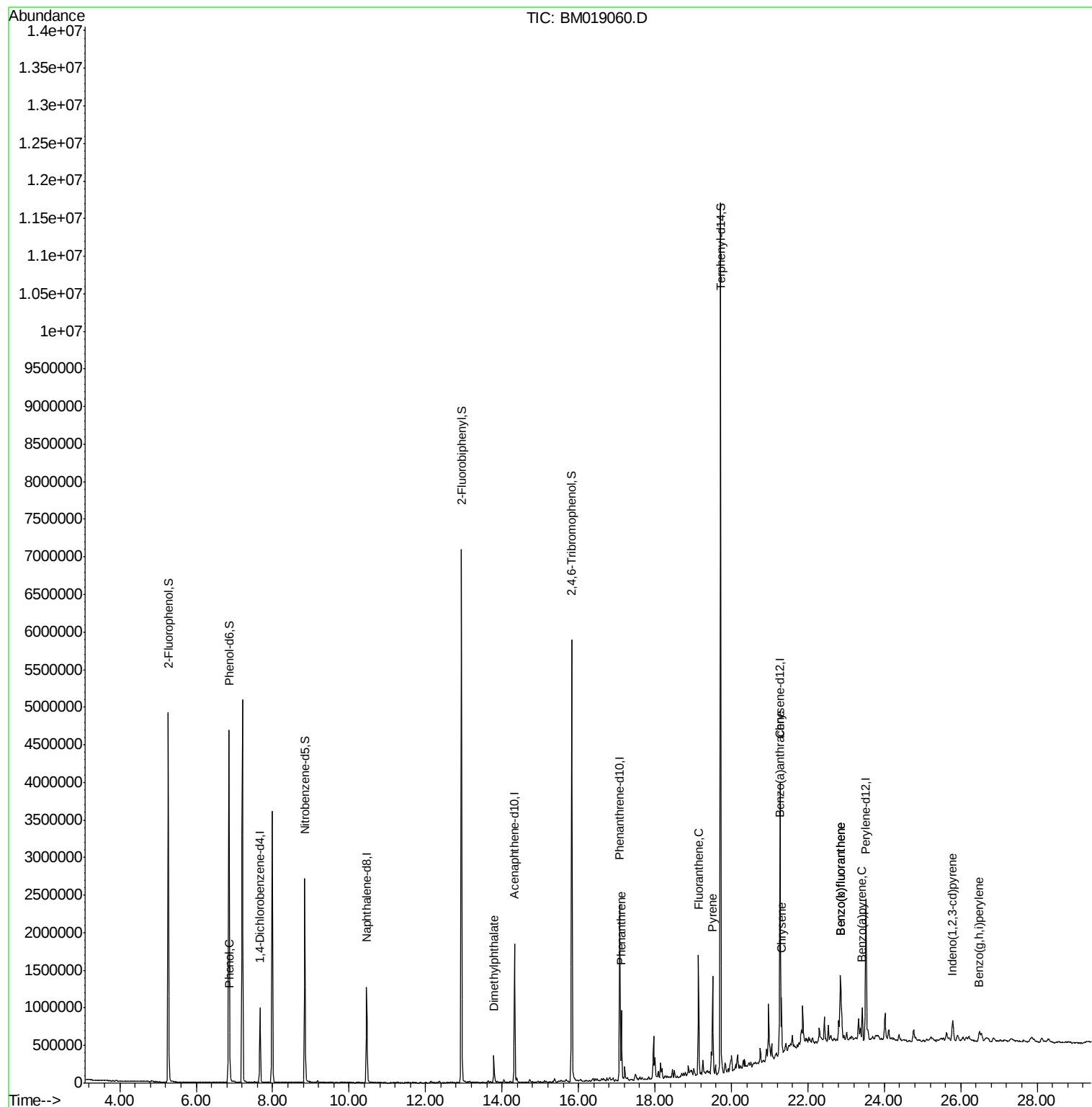
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.85	77	8483	Below Cal		# 22
10) Phenol	6.88	94	84664	3.560	ng	95
50) Dimethylphthalate	13.79	163	235370	4.934	ng	99
71) Phenanthrene	17.12	178	504099	7.182	ng	99
75) Fluoranthene	19.14	202	845199	10.425	ng	98
78) Pyrene	19.51	202	749126	9.430	ng	99
81) Benzo(a)anthracene	21.26	228	469366	5.887	ng	99
83) Chrysene	21.32	228	396559	5.189	ng	98
86) Indeno(1,2,3-cd)pyrene	25.79	276	177910	2.016	ng	96
88) Benzo(b)fluoranthene	22.84	252	616830	8.260	ng	97
89) Benzo(k)fluoranthene	22.84	252	616164	8.288	ng	# 96
90) Benzo(a)pyrene	23.42	252	323474	4.573	ng	96
92) Benzo(g,h,i)perylene	26.49	276	154918	2.374	ng	97

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

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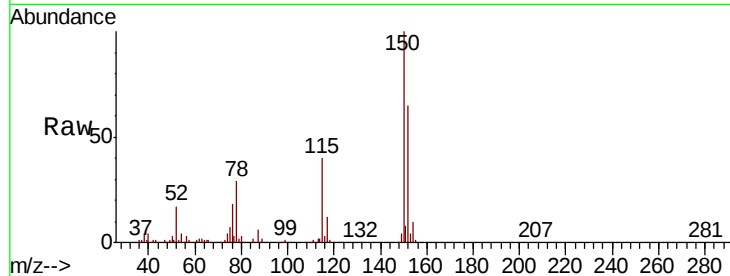


#1

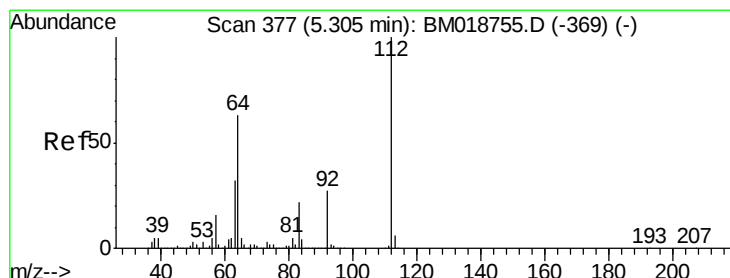
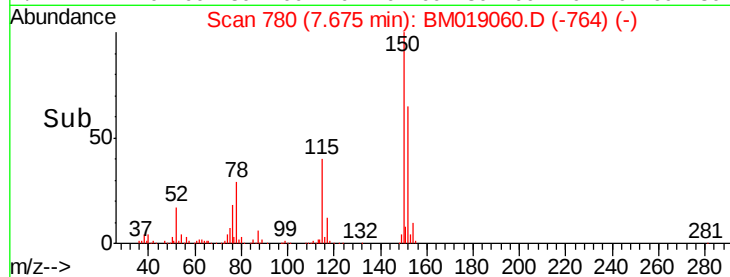
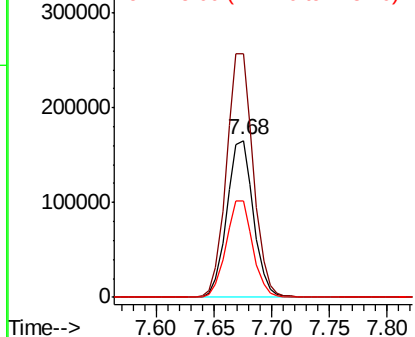
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 780
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tgt Ion:152 Resp: 262868
Ion Ratio Lower Upper
152 100
150 154.9 127.3 190.9
115 61.4 50.8 76.2



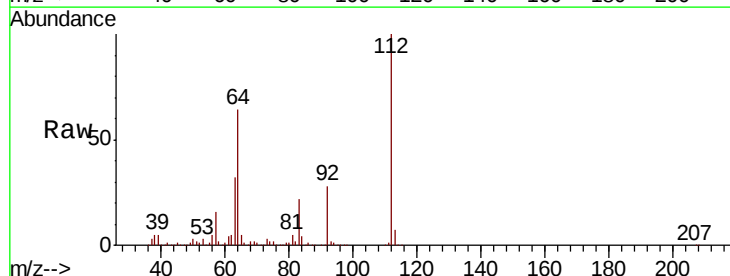
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



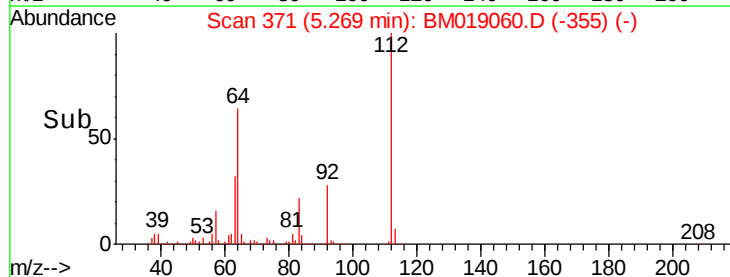
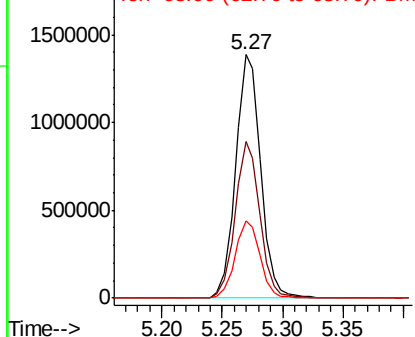
#5

2-Fluorophenol
Concen: 124.857 ng
RT: 5.27 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion:112 Resp: 2003132
Ion Ratio Lower Upper
112 100
64 64.1 50.6 75.8
63 31.9 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: 124.209 ng

RT: 6.86 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

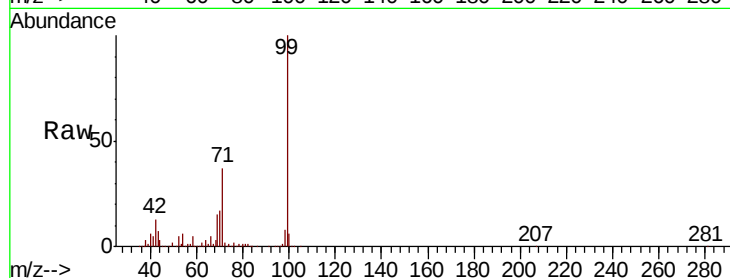
Tgt Ion: 99 Resp: 2807277

Ion Ratio Lower Upper

99 100

42 13.4 11.0 16.6

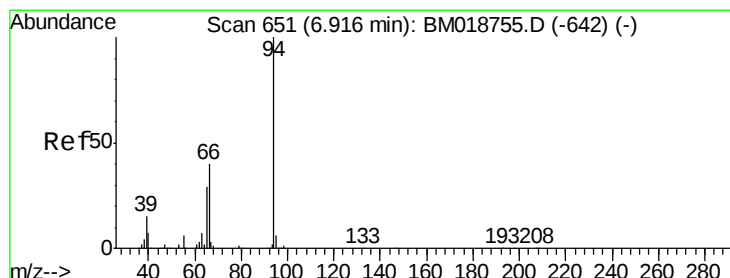
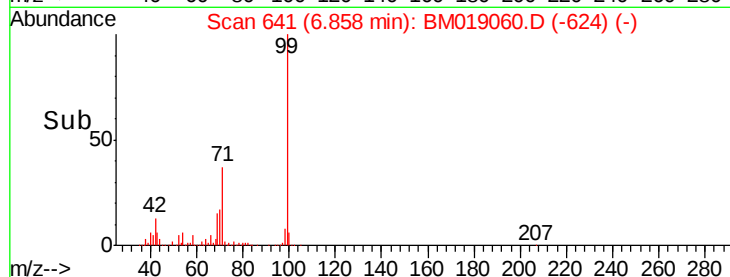
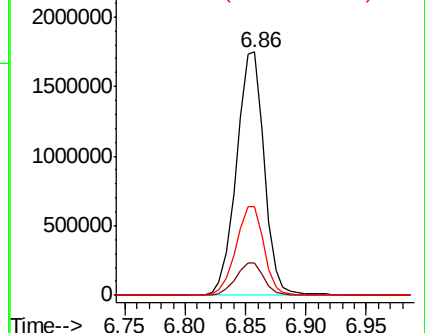
71 36.5 31.3 46.9



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: 3.560 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

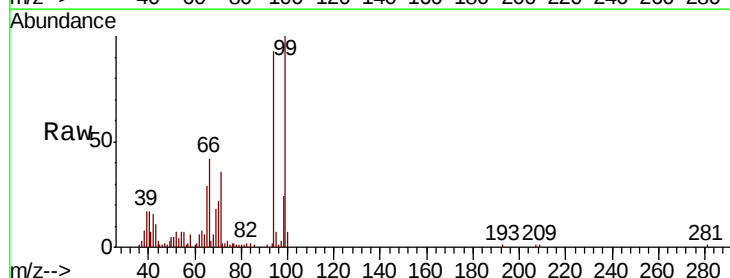
Tgt Ion: 94 Resp: 84664

Ion Ratio Lower Upper

94 100

65 31.1 9.6 49.6

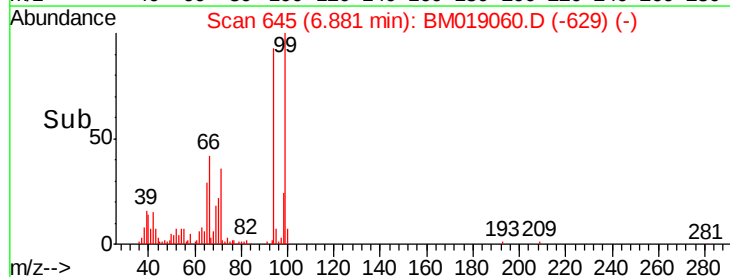
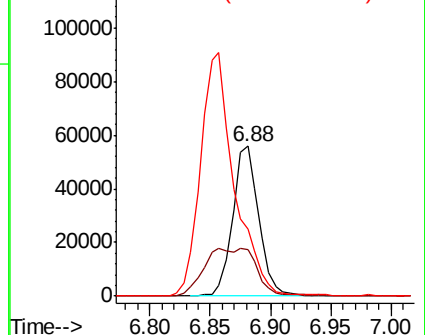
66 45.0 20.4 60.4

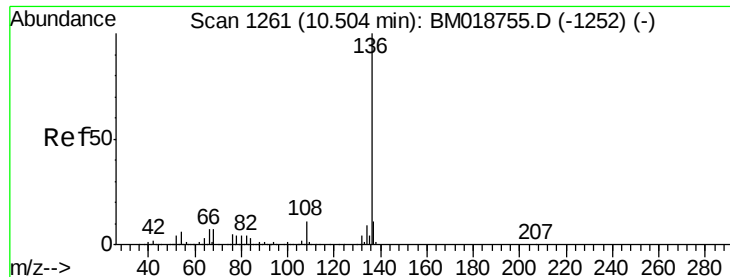


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

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

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

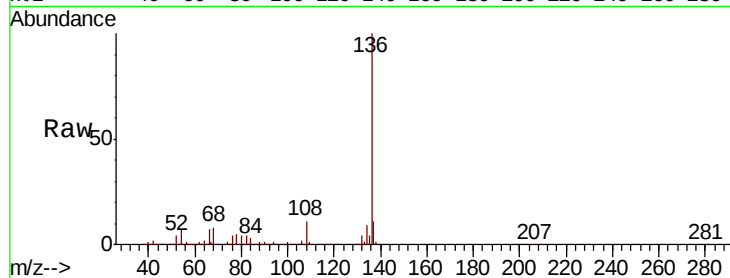




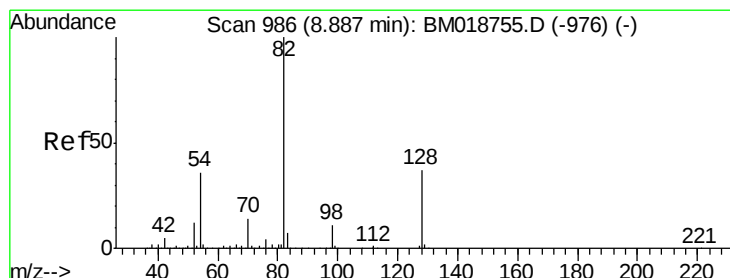
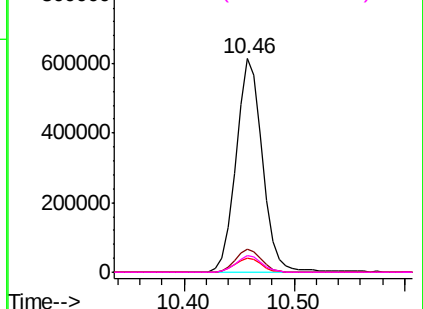
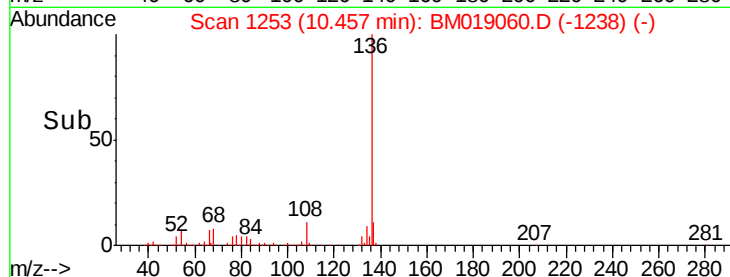
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tgt Ion:136 Resp: 1031527
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.0 7.6
68 7.6 5.5 8.3

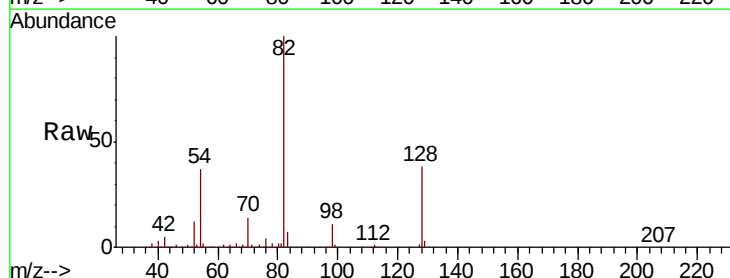


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

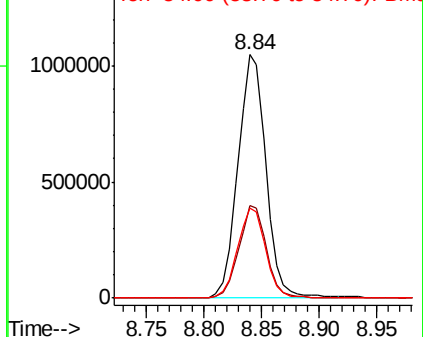
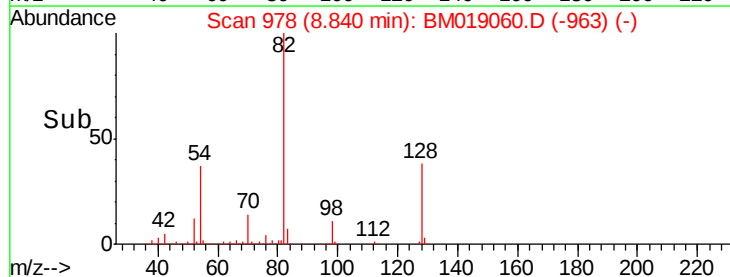


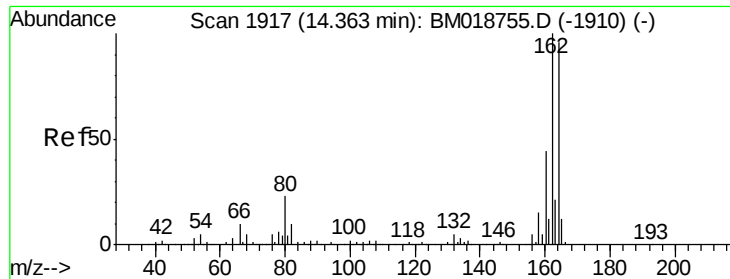
#23
Nitrobenzene-d5
Concen: 78.978 ng
RT: 8.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion: 82 Resp: 1761903
Ion Ratio Lower Upper
82 100
128 37.8 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

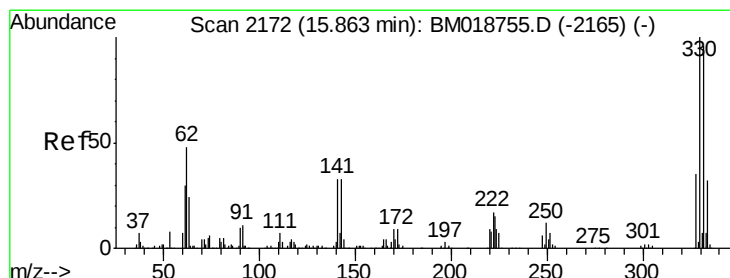
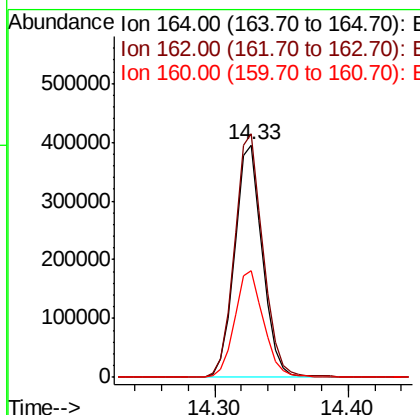
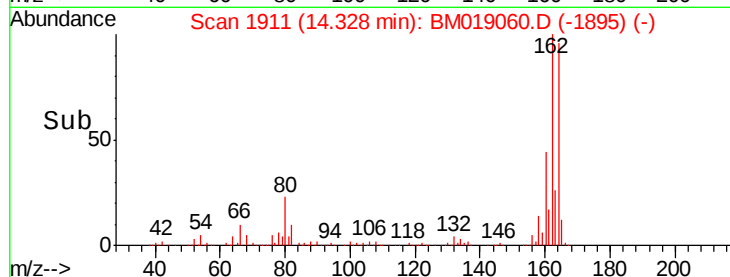
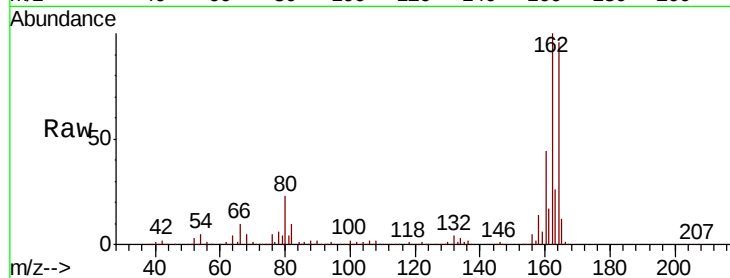




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

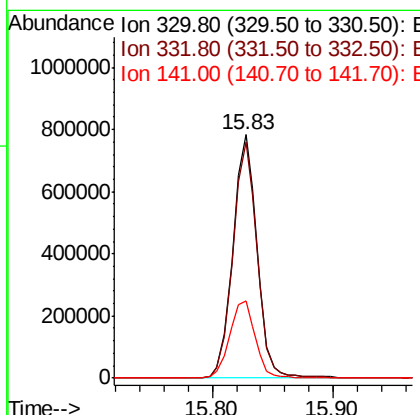
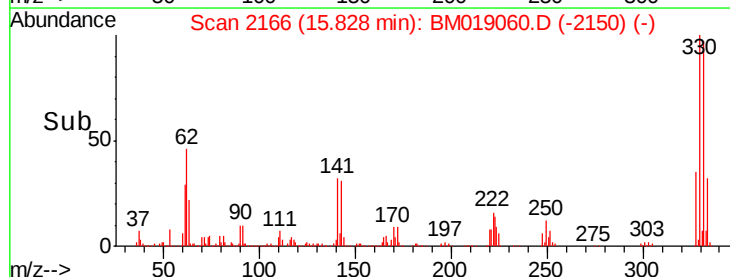
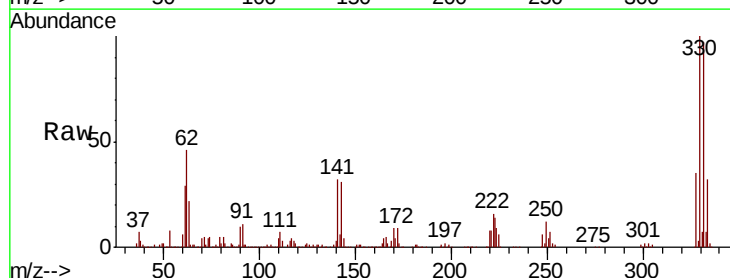
Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tgt Ion:164 Resp: 572421
Ion Ratio Lower Upper
164 100
162 104.7 83.4 125.0
160 46.0 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 132.816 ng
RT: 15.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion:330 Resp: 1095906
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 33.7 28.7 43.1

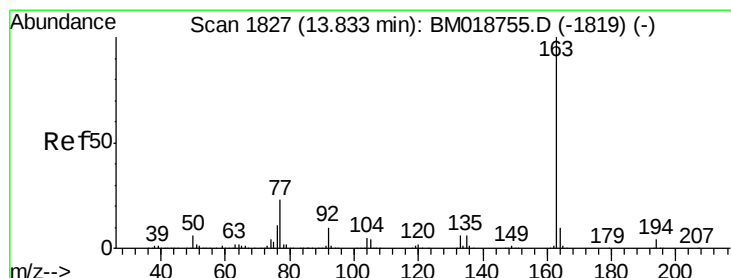
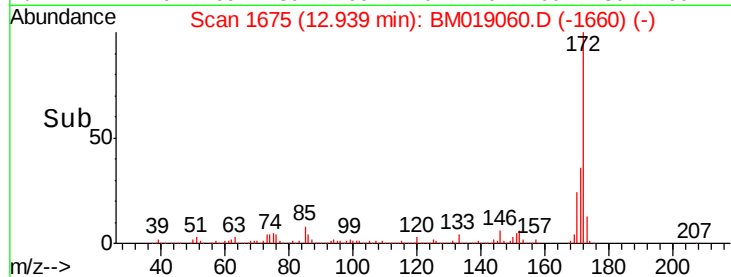
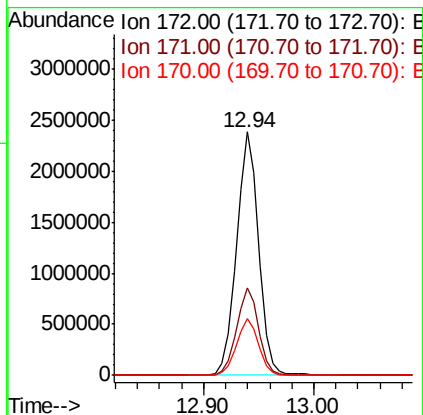
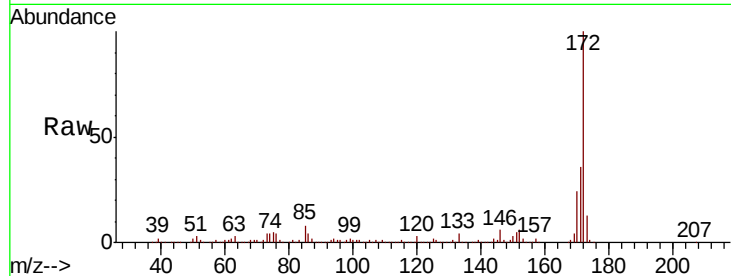




#45
2-Fluorobiphenyl
Concen: 77.586 ng
RT: 12.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

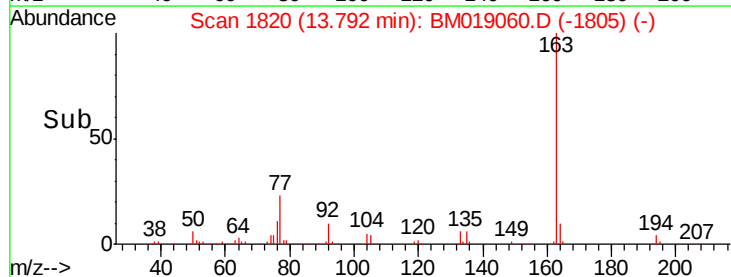
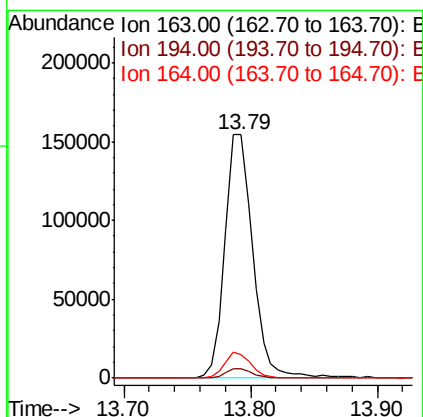
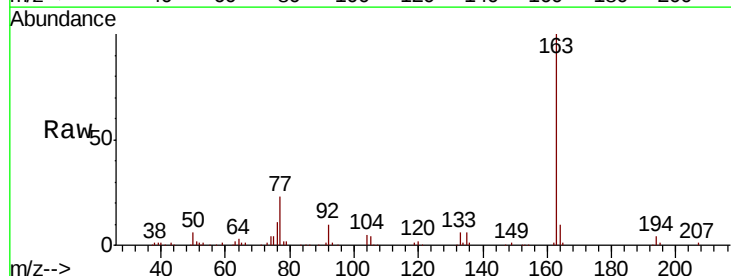
Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

Tgt Ion:172 Resp: 3345607
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 23.5 18.6 28.0



#50
Dimethylphthalate
Concen: 4.934 ng
RT: 13.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion:163 Resp: 235370
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.6 7.8 11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

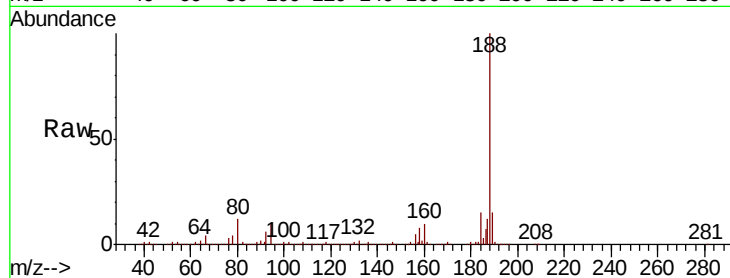
Tgt Ion:188 Resp: 1306054

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

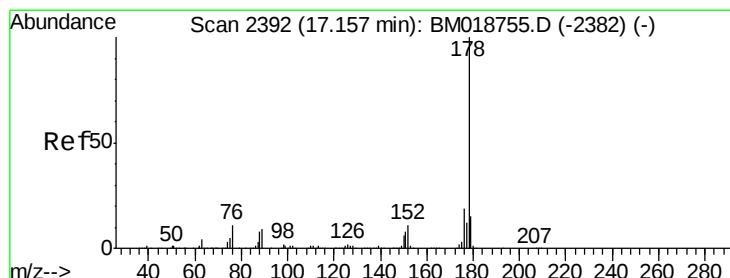
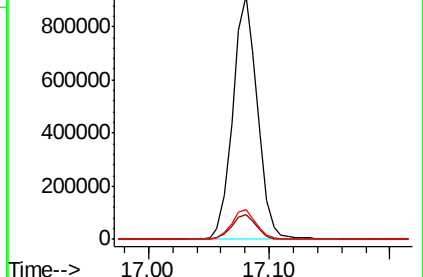
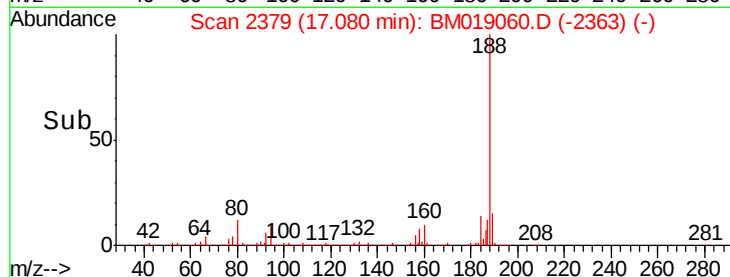
80 12.3 9.7 14.5



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: 7.182 ng

RT: 17.12 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

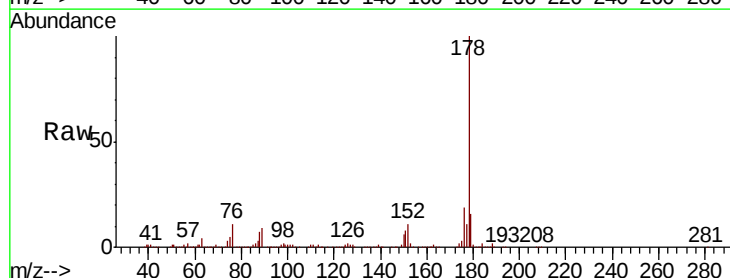
Tgt Ion:178 Resp: 504099

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

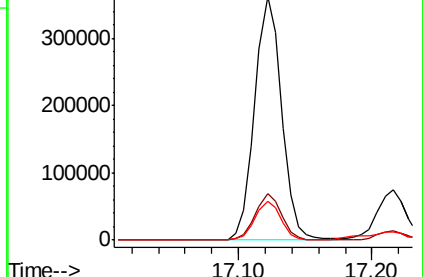
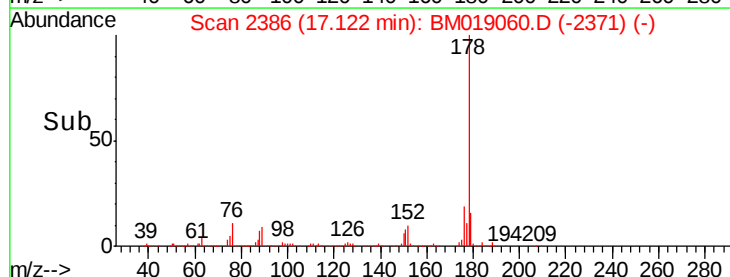
179 15.8 12.3 18.5

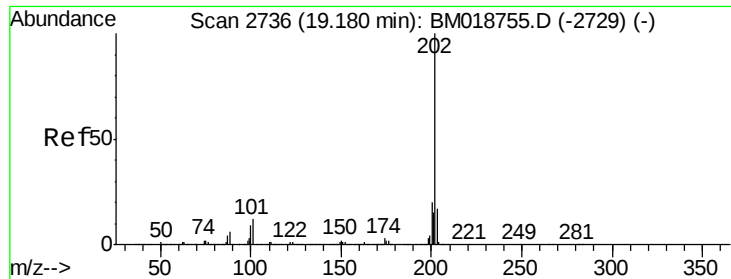


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.425 ng

RT: 19.14 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

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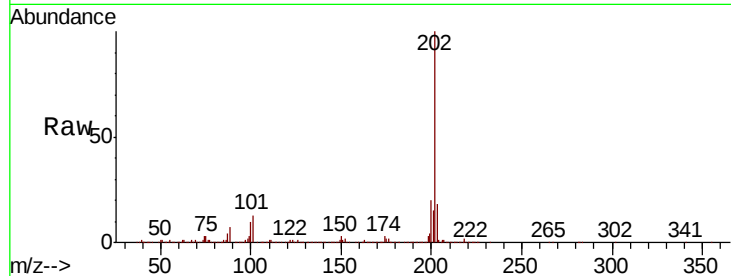
Tgt Ion:202 Resp: 845199

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

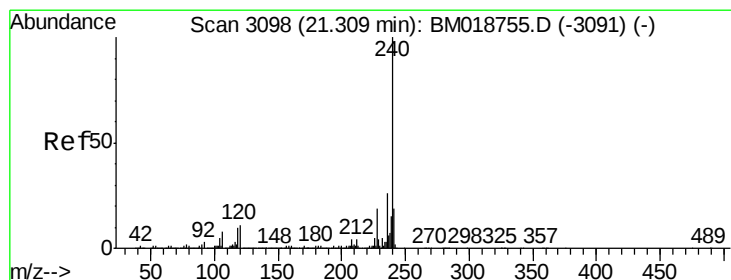
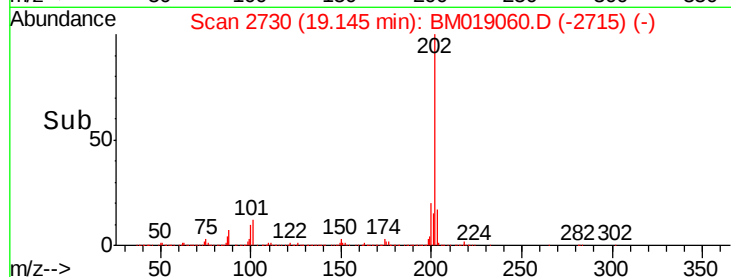
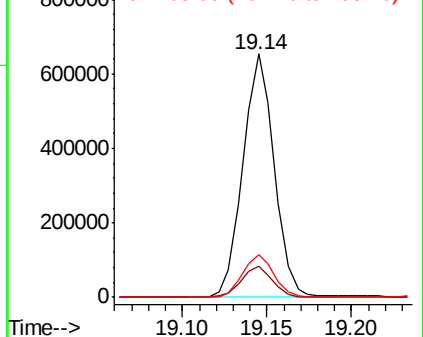
203 17.7 0.0 37.3



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: 21.27 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

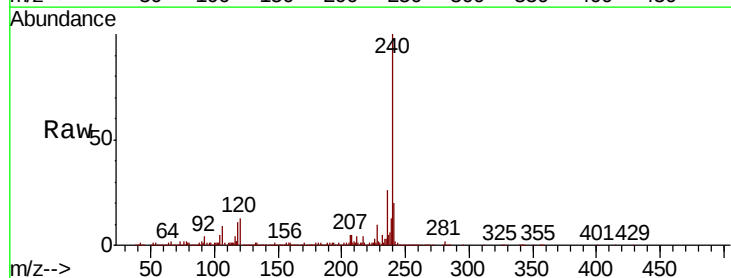
Tgt Ion:240 Resp: 1367785

Ion Ratio Lower Upper

240 100

120 12.7 8.9 13.3

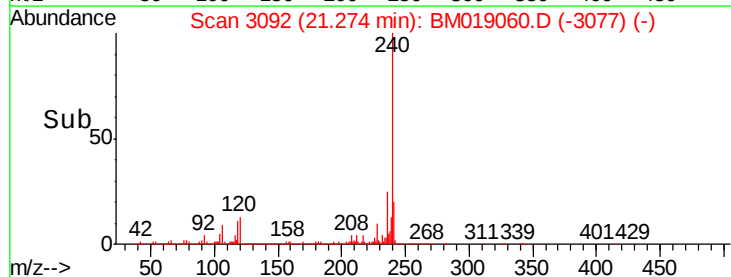
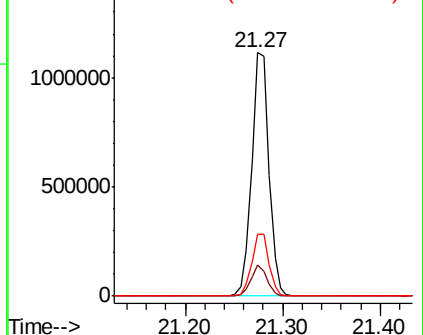
236 25.6 20.9 31.3

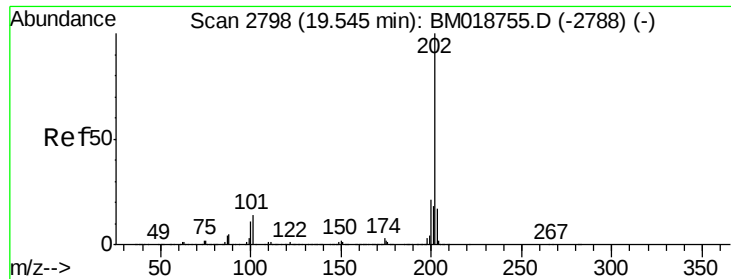


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

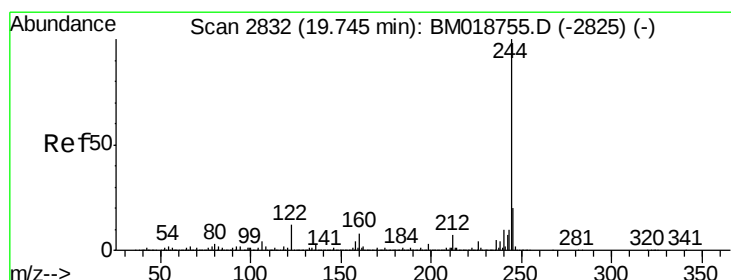
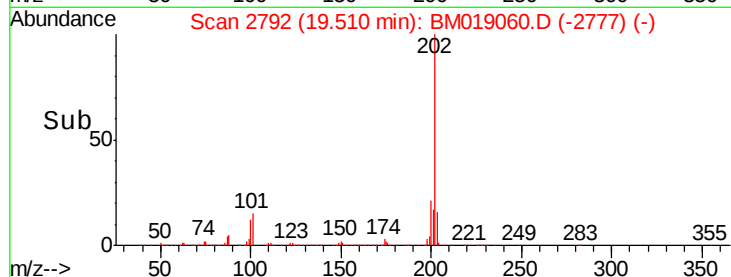
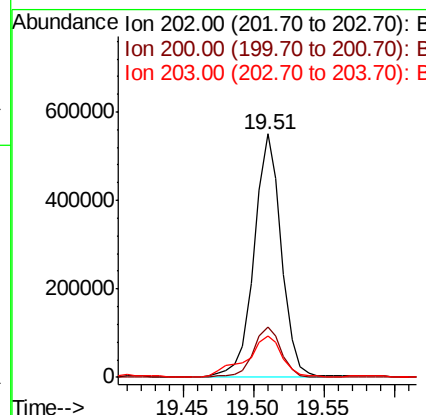
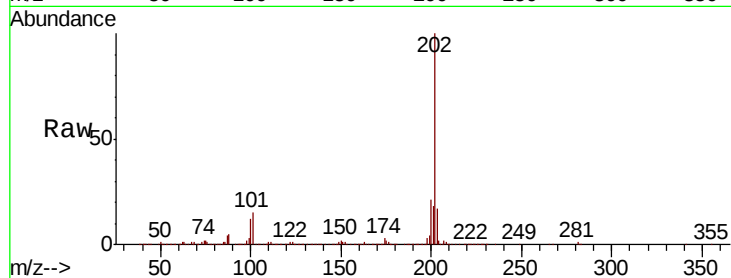




#78
 Pyrene
 Concen: 9.430 ng
 RT: 19.51 min Scan# 2792
 Delta R.T. -0.01 min
 Lab File: BM019060.D
 Acq: 06 Mar 2019 06:41

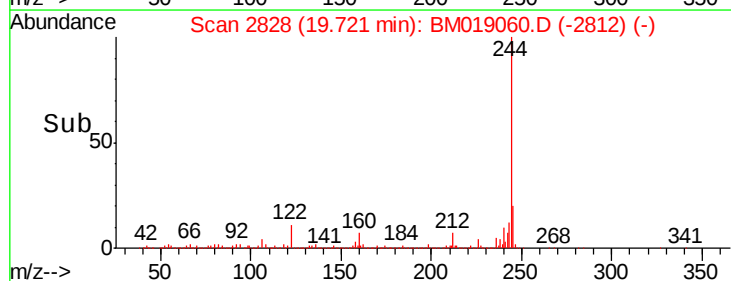
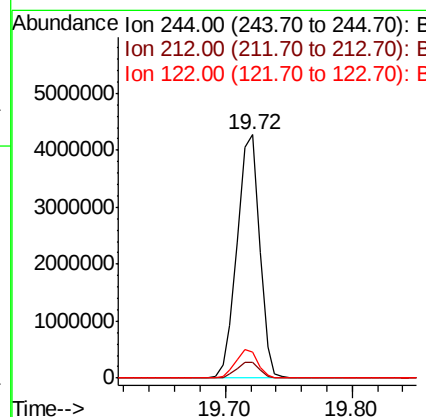
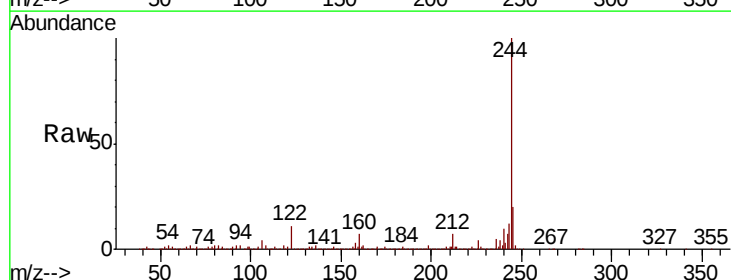
Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B110-022719

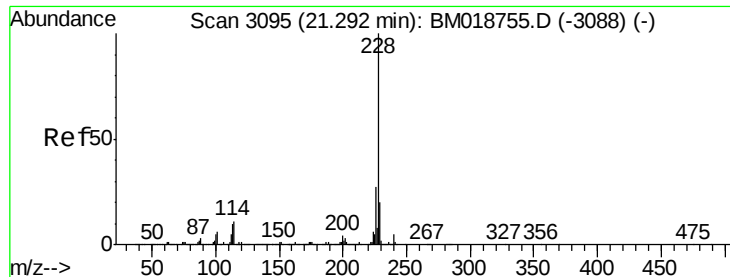
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.0	13.8	20.8



#79
 Terphenyl-d14
 Concen: 78.888 ng
 RT: 19.72 min Scan# 2828
 Delta R.T. -0.01 min
 Lab File: BM019060.D
 Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.6	9.3	13.9





#81

Benzo(a)anthracene

Concen: 5.887 ng

RT: 21.26 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

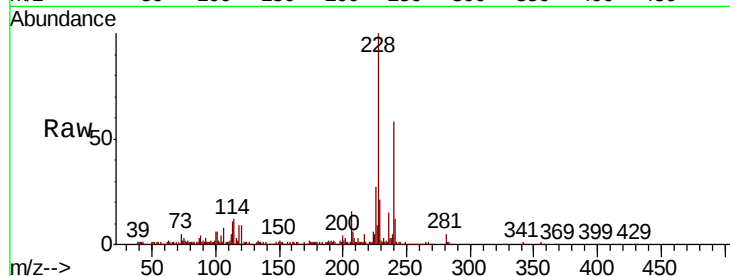
Tgt Ion:228 Resp: 469366

Ion Ratio Lower Upper

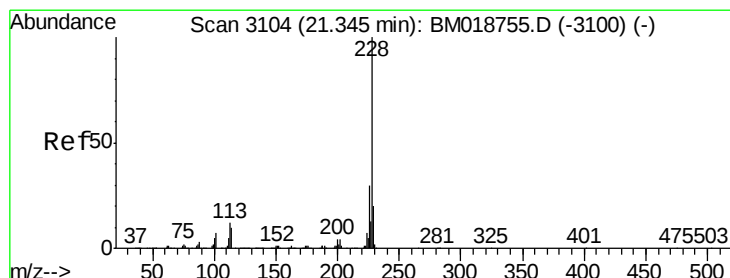
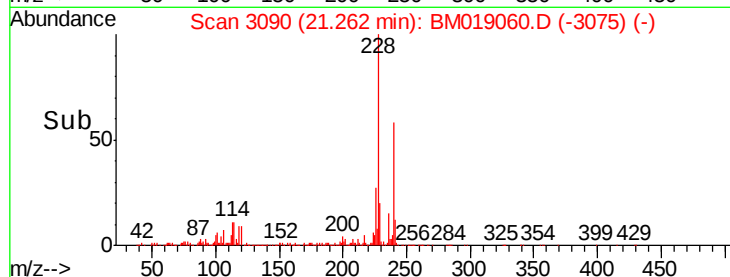
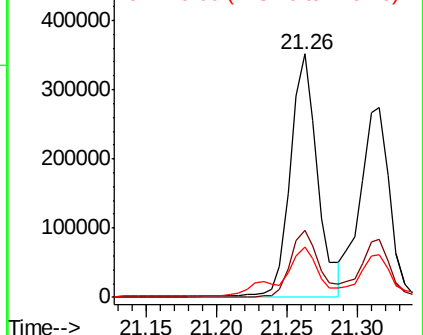
228 100

226 27.4 21.9 32.9

229 20.8 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: 5.189 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

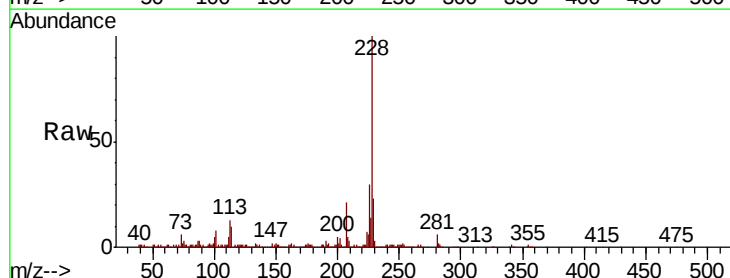
Tgt Ion:228 Resp: 396559

Ion Ratio Lower Upper

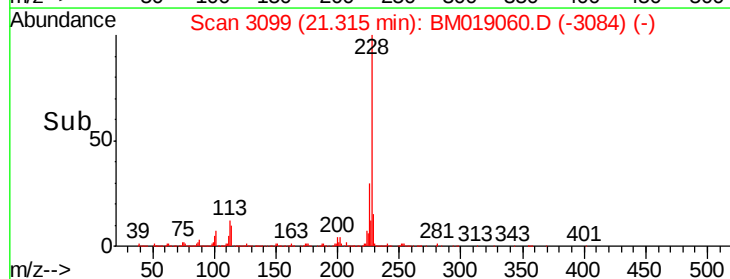
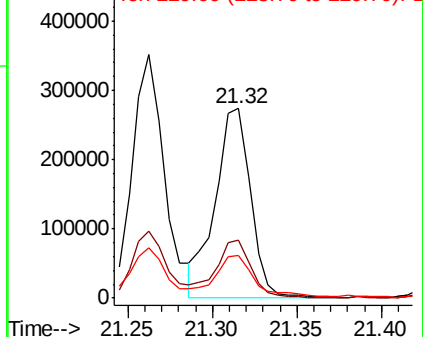
228 100

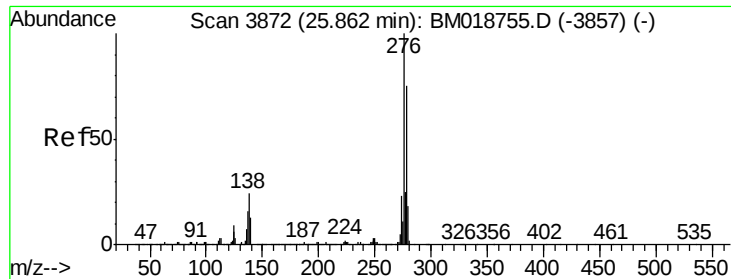
226 30.3 24.1 36.1

229 22.6 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





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.016 ng

RT: 25.79 min Scan# 3860

Delta R.T. -0.02 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

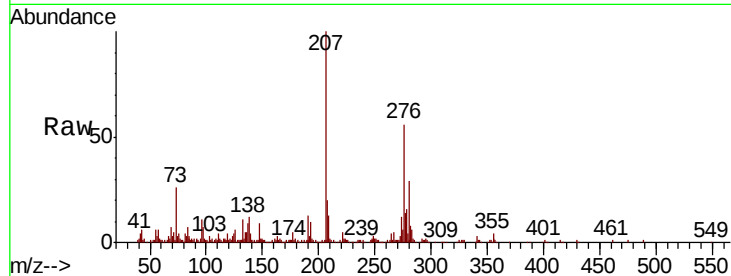
Tgt Ion:276 Resp: 177910

Ion Ratio Lower Upper

276 100

138 22.3 20.2 30.4

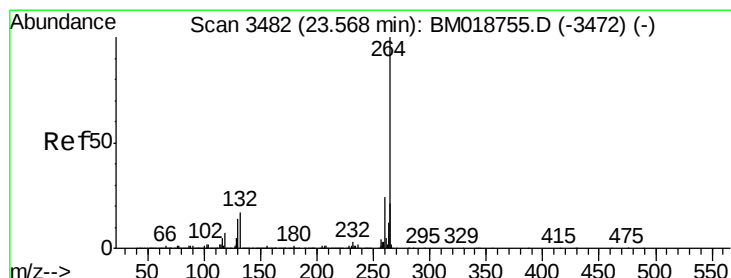
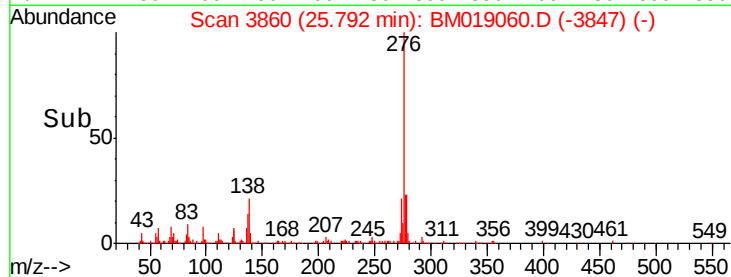
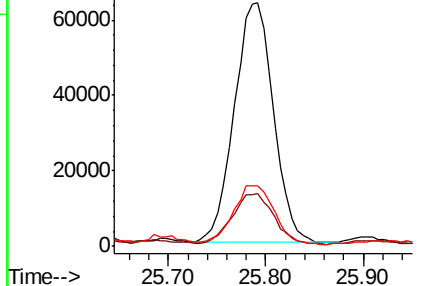
277 26.0 20.3 30.5



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

Perylene-d12

Concen: 20.000 ng

RT: 23.52 min Scan# 3474

Delta R.T. -0.01 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

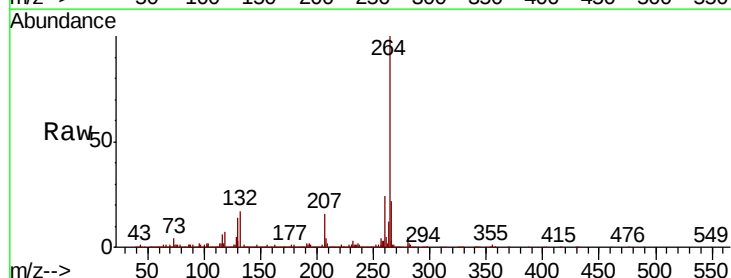
Tgt Ion:264 Resp: 1305217

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

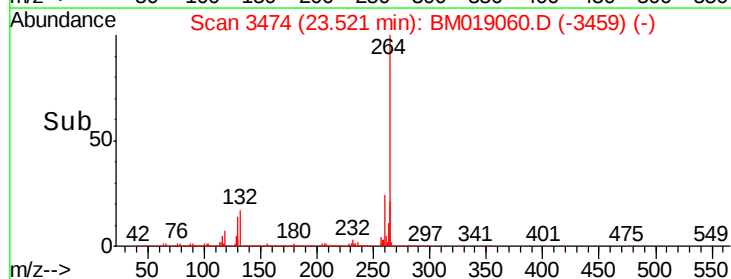
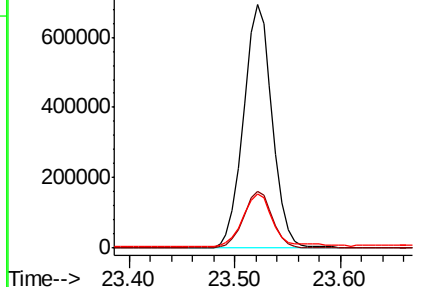
265 22.1 17.3 25.9

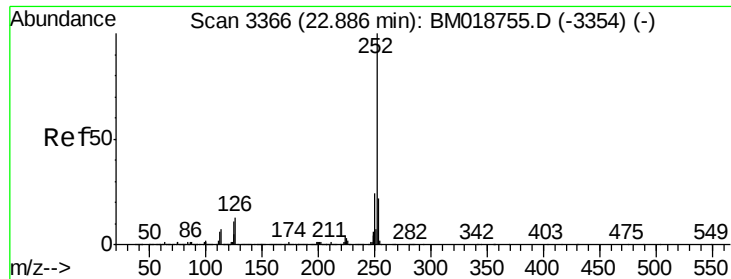


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

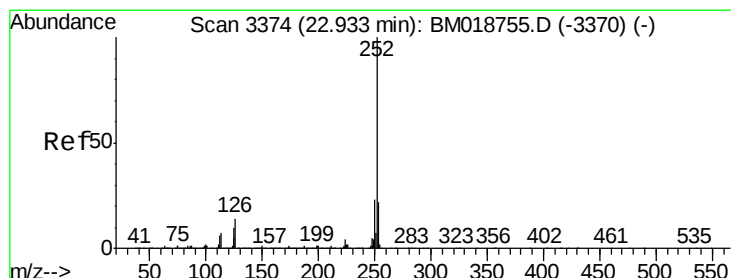
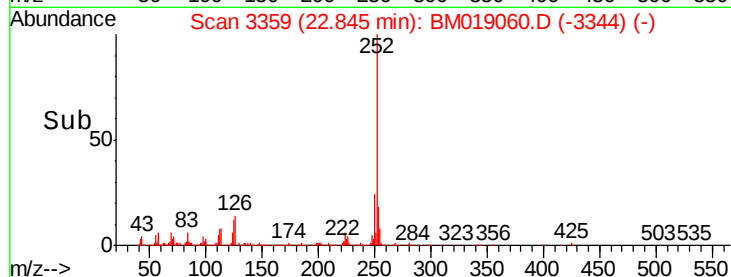
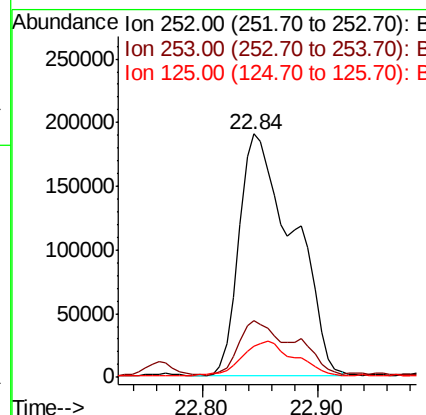
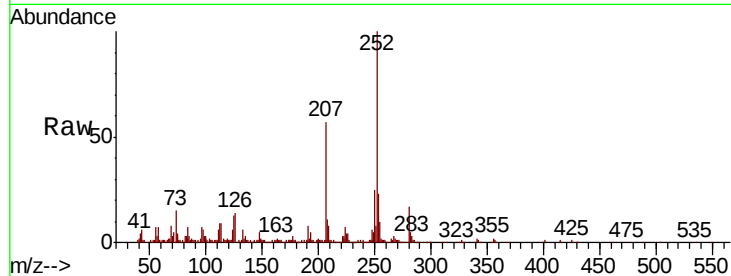




#88
Benzo(b)fluoranthene
Concen: 8.260 ng
RT: 22.84 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

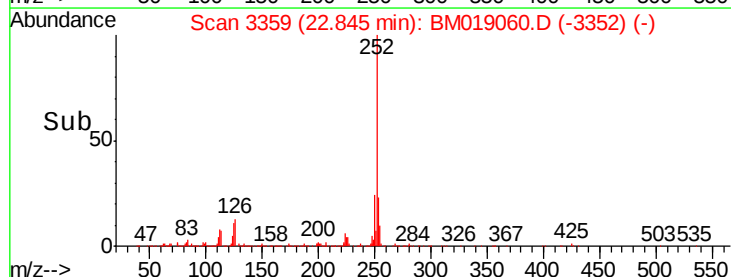
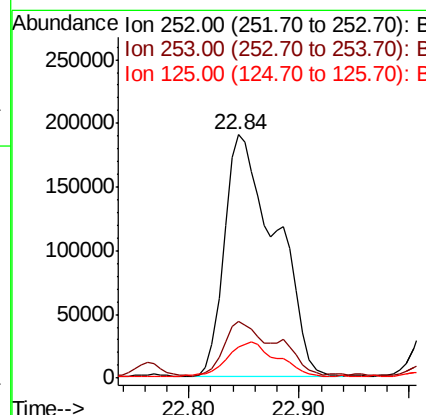
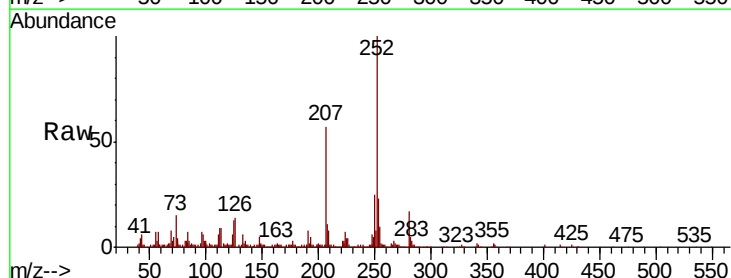
Instrument :
BNA_M
ClientSampleId :
PST-027-B110-022719

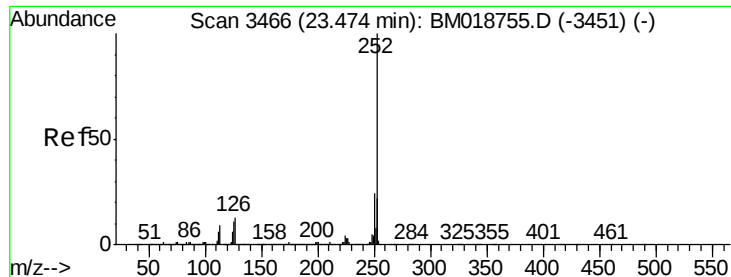
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.6	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 8.288 ng
RT: 22.84 min Scan# 3359
Delta R.T. -0.06 min
Lab File: BM019060.D
Acq: 06 Mar 2019 06:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	12.6	8.2	12.4#





#90

Benzo(a)pyrene

Concen: 4.573 ng

RT: 23.42 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

Instrument :

BNA_M

ClientSampleId :

PST-027-B110-022719

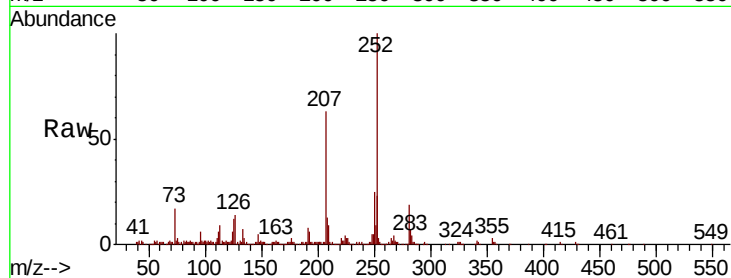
Tgt Ion:252 Resp: 323474

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

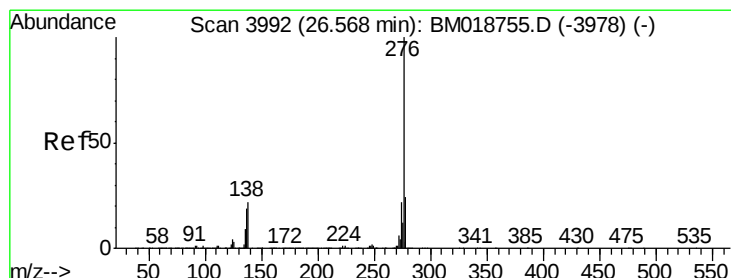
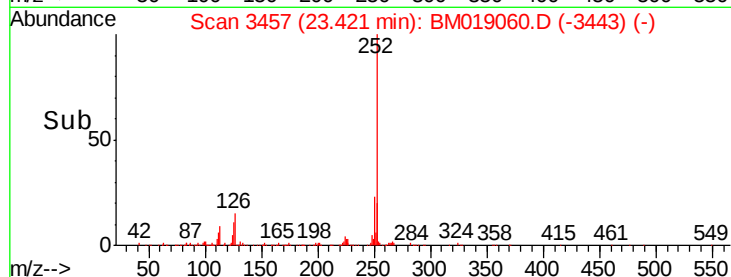
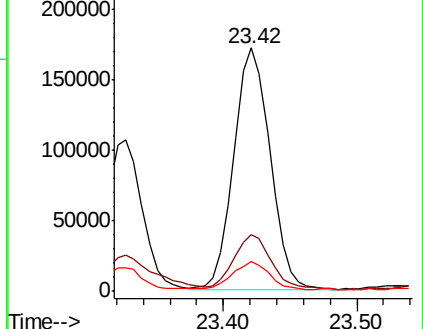
125 12.4 8.6 13.0



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



#92

Benzo(g,h,i)perylene

Concen: 2.374 ng

RT: 26.49 min Scan# 3978

Delta R.T. -0.03 min

Lab File: BM019060.D

Acq: 06 Mar 2019 06:41

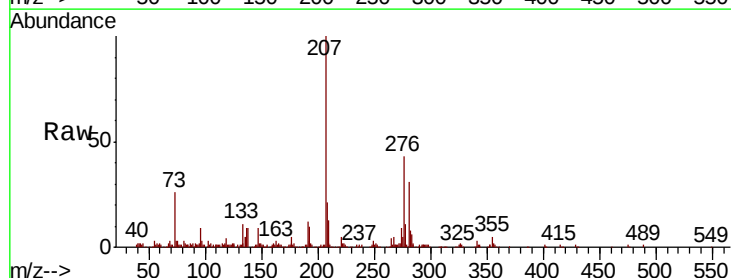
Tgt Ion:276 Resp: 154918

Ion Ratio Lower Upper

276 100

277 26.7 19.2 28.8

138 22.0 17.3 25.9



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

