

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031519\
 Data File : BM019182.D
 Acq On : 15 Mar 2019 12:33
 Operator : JU/SJ
 Sample : K1817-14RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B116-030619

Quant Time: Mar 16 01:32:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

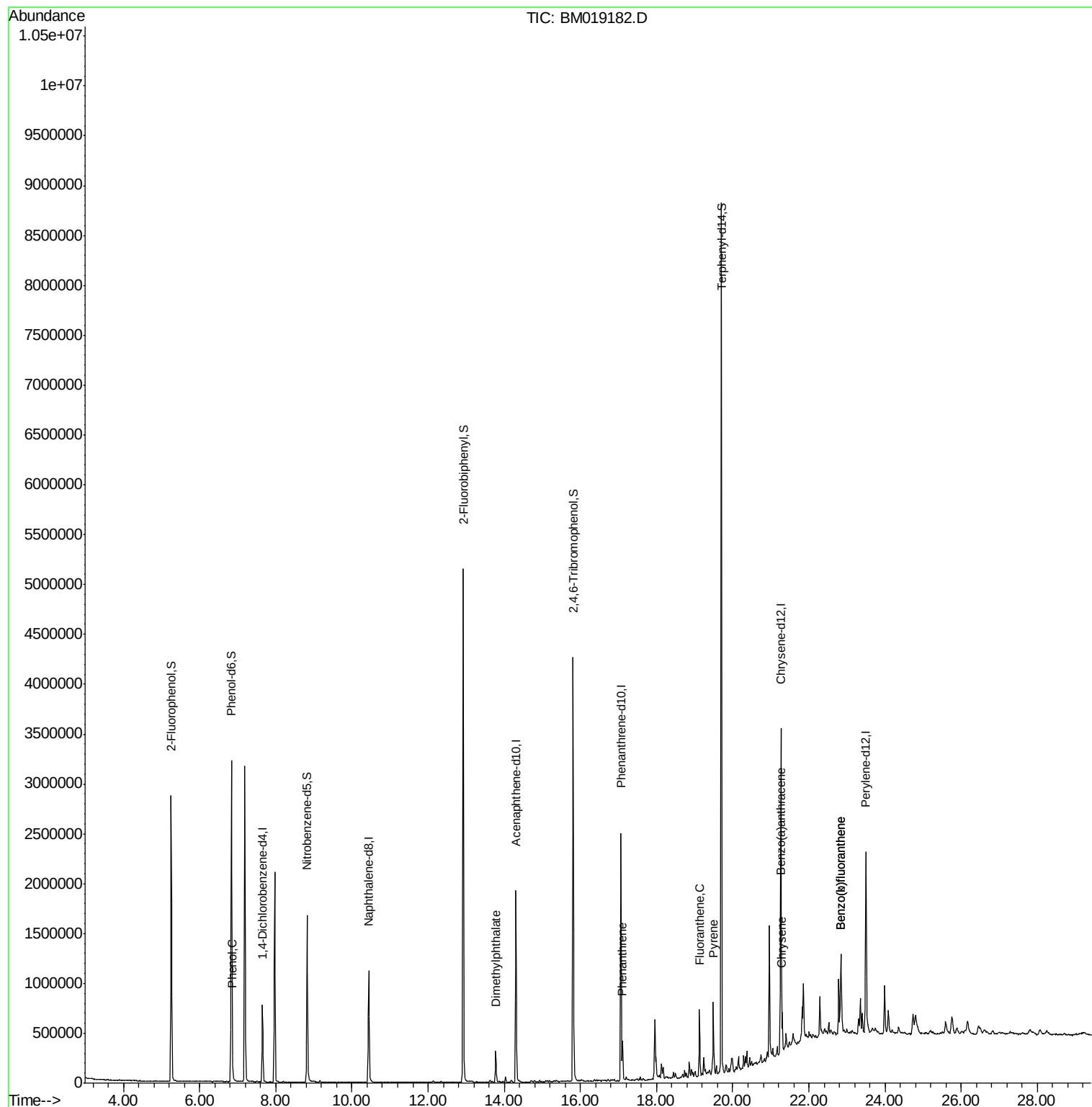
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	206582	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	955805	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	616499	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1388090	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1347691	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1225006	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1225169	96.05	ng	0.00
7) Phenol-d6	6.83	99	1910124	102.37	ng	-0.01
23) Nitrobenzene-d5	8.82	82	1134528	56.11	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	808238	88.79	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	2535386	53.49	ng	-0.01
79) Terphenyl-d14	19.70	244	3876002	57.10	ng	0.00
Target Compounds						
10) Phenol	6.86	94	42110	2.094	ng	86
50) Dimethylphthalate	13.77	163	206691	3.919	ng	99
71) Phenanthrene	17.10	178	222574	2.736	ng	99
75) Fluoranthene	19.13	202	339255	3.634	ng	99
78) Pyrene	19.49	202	422046	4.950	ng	99
81) Benzo(a)anthracene	21.24	228	170112	2.012	ng	98
83) Chrysene	21.30	228	201010	2.457	ng	97
88) Benzo(b)fluoranthene	22.83	252	256315	3.229	ng	# 94
89) Benzo(k)fluoranthene	22.83	252	254219	3.482	ng	# 95

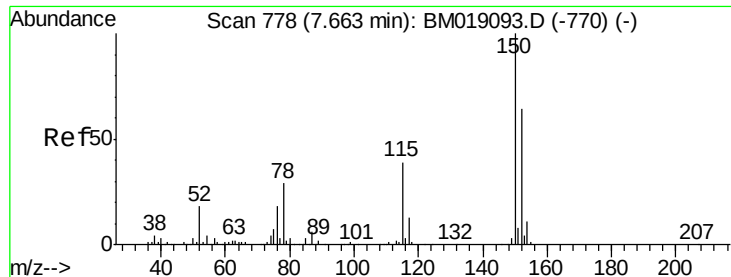
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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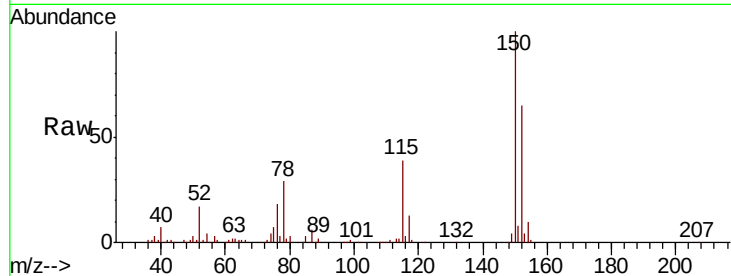


#1

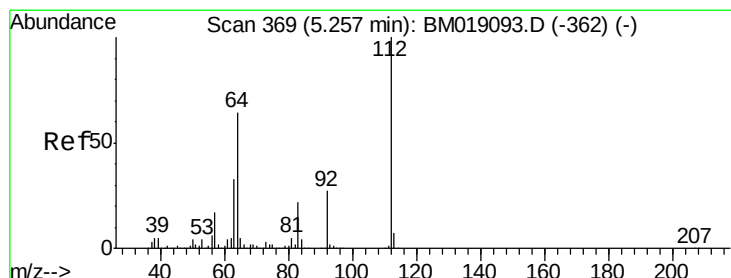
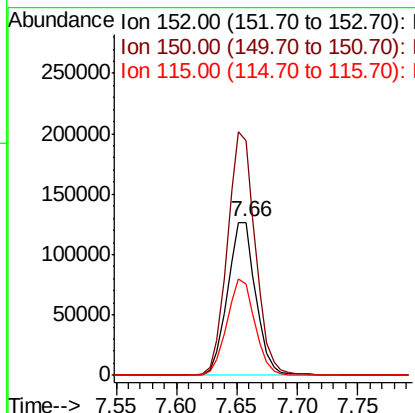
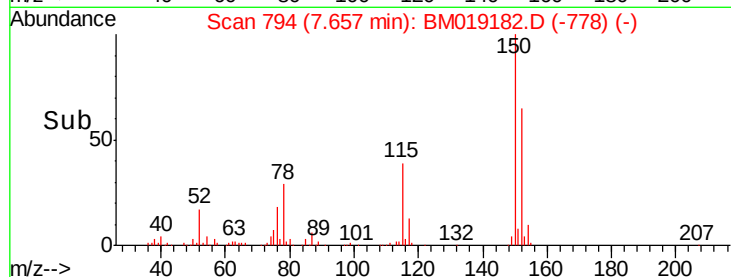
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Instrument :
BNA_M
ClientSampleId :
PST-027-B116-030619

Tgt Ion:152 Resp: 206582
Ion Ratio Lower Upper
152 100
150 154.0 125.3 187.9
115 59.8 49.4 74.0



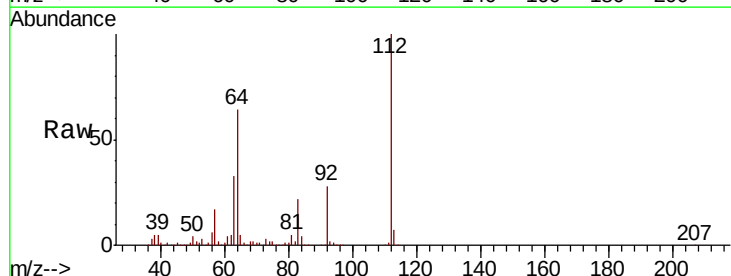
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



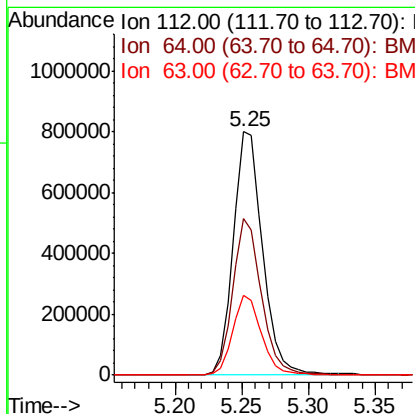
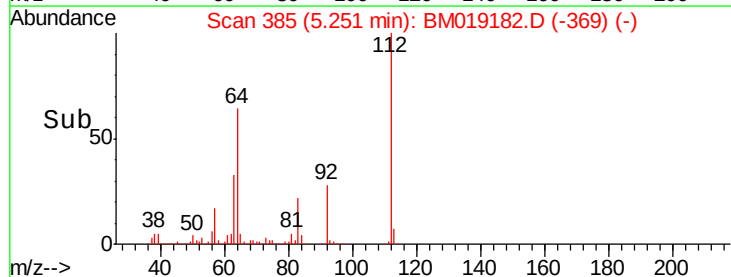
#5

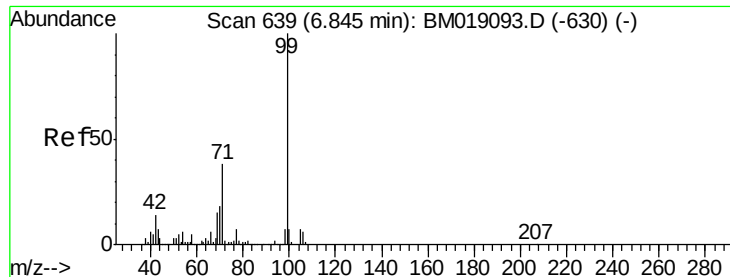
2-Fluorophenol
Concen: 96.046 ng
RT: 5.25 min Scan# 385
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Tgt Ion:112 Resp: 1225169
Ion Ratio Lower Upper
112 100
64 64.5 51.4 77.0
63 33.0 26.6 40.0



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: 102.373 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

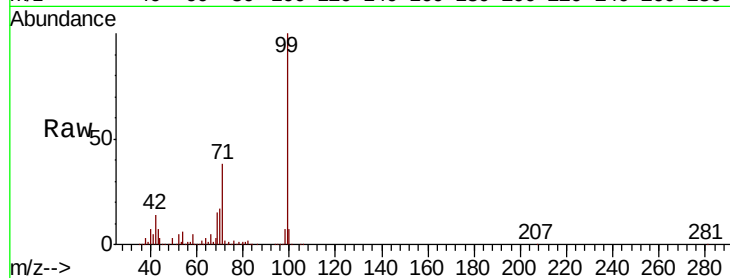
Tgt Ion: 99 Resp: 1910124

Ion Ratio Lower Upper

99 100

42 14.0 10.9 16.3

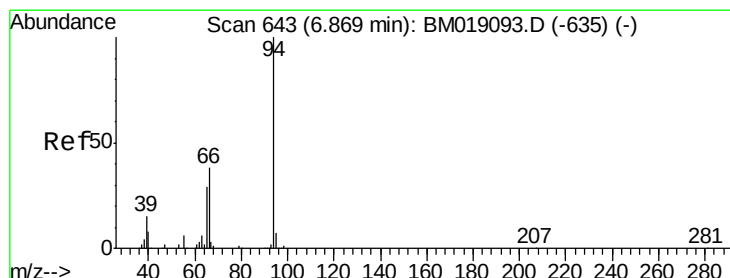
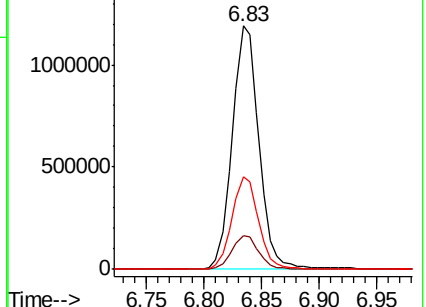
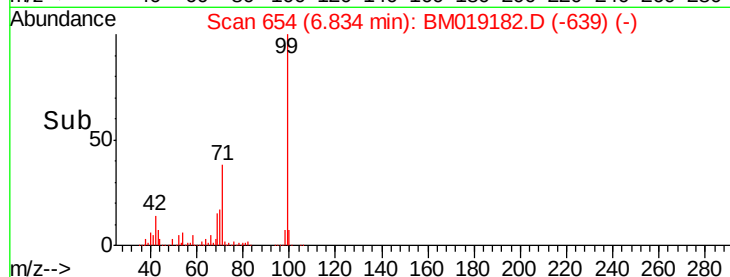
71 37.9 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019182.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM019182.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM019182.D (-639) (-)



#10

Phenol

Concen: 2.094 ng

RT: 6.86 min Scan# 659

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

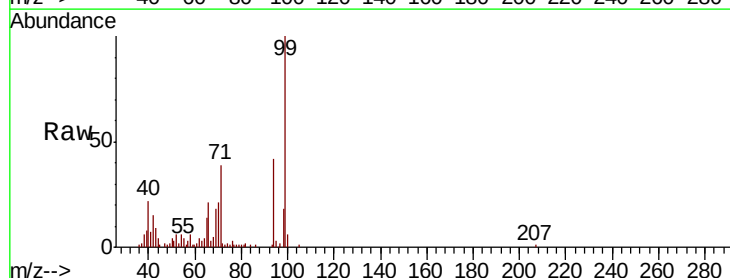
Tgt Ion: 94 Resp: 42110

Ion Ratio Lower Upper

94 100

65 33.2 9.7 49.7

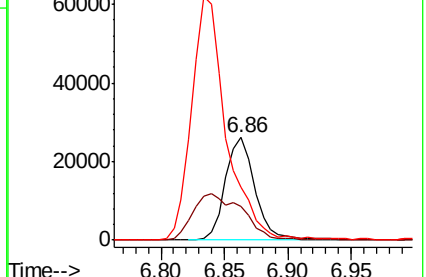
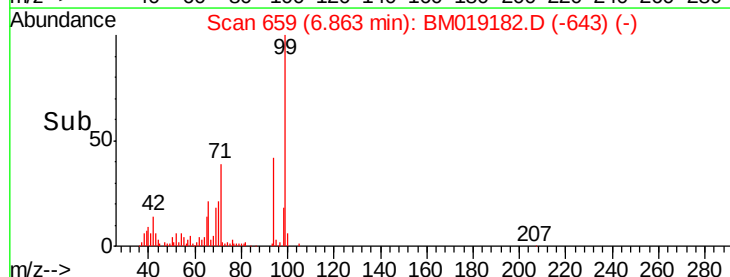
66 51.7 19.2 59.2

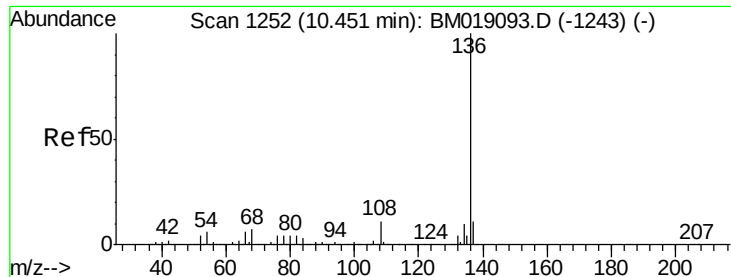


Abundance Ion 94.00 (93.70 to 94.70): BM019182.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM019182.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM019182.D (-643) (-)

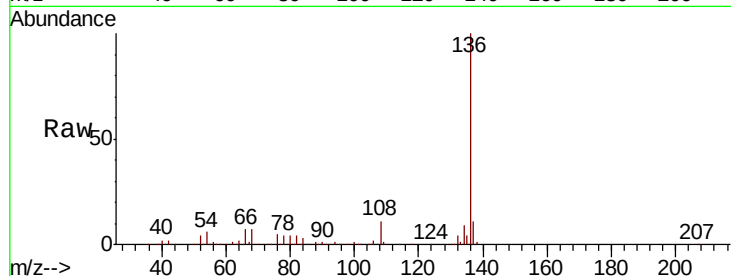




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Instrument :
BNA_M
ClientSampleId :
PST-027-B116-030619

Tgt Ion:	136	Resp:	955805
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.5	5.2	7.8
68	7.0	5.8	8.8



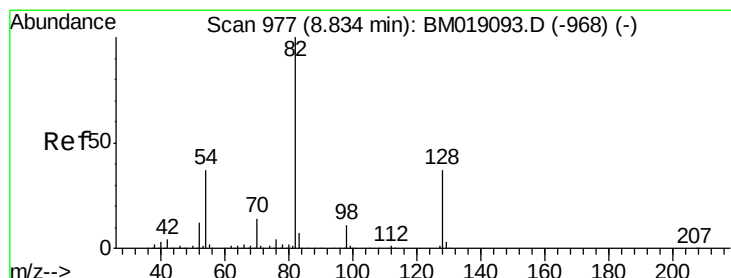
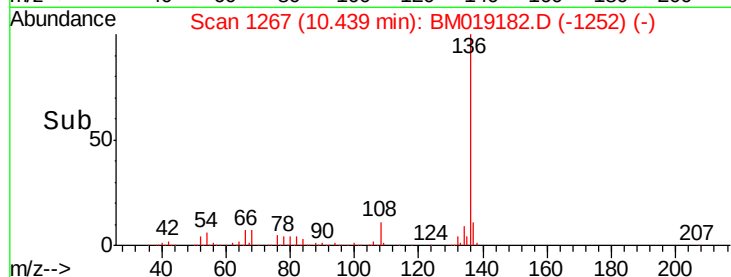
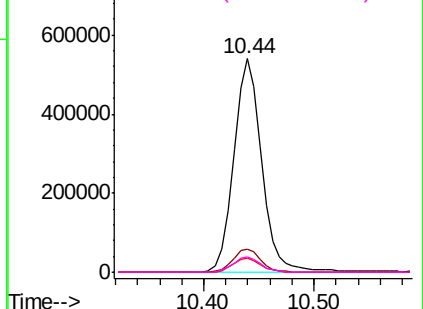
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

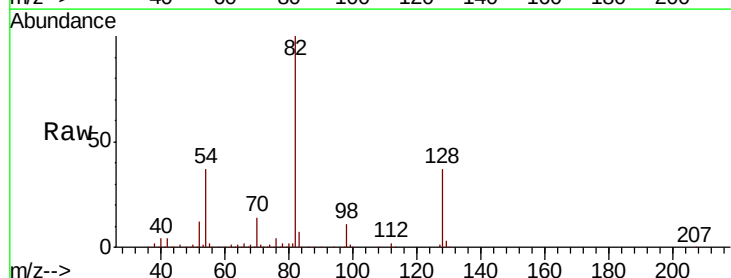
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23
Nitrobenzene-d5
Concen: 56.109 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Tgt Ion:	82	Resp:	1134528
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.4	44.2
54	36.9	29.9	44.9

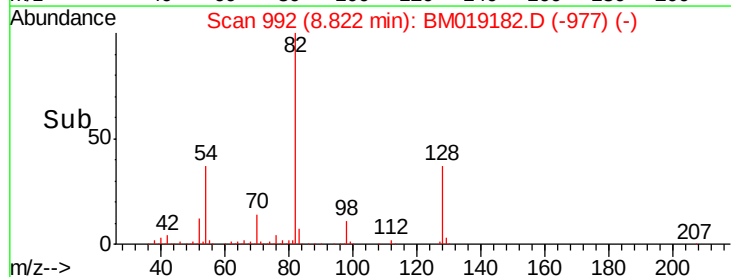
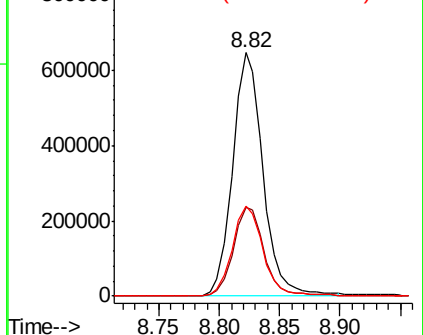


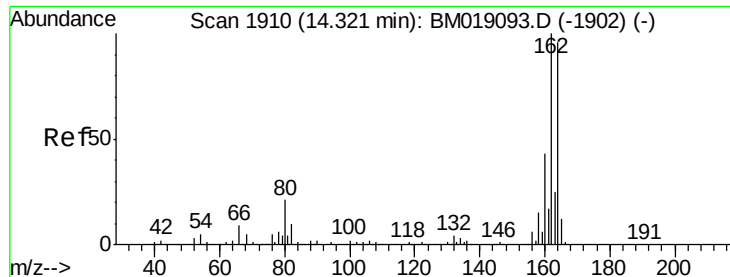
Abundance

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: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

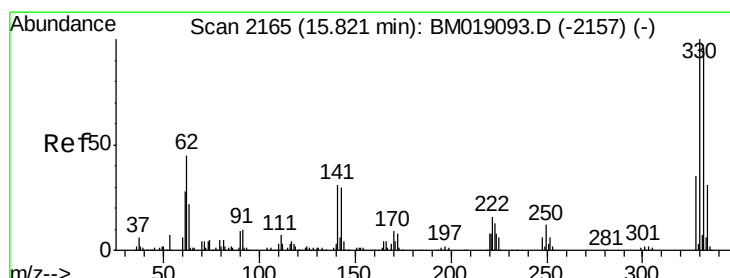
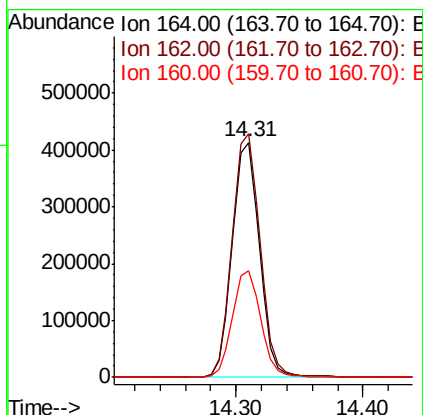
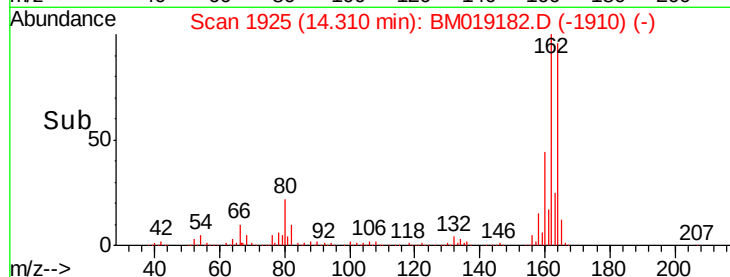
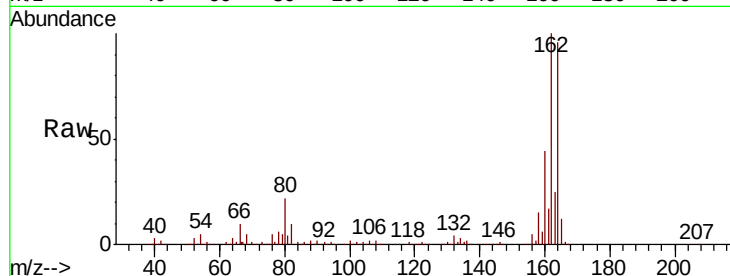
Tgt Ion:164 Resp: 616499

Ion Ratio Lower Upper

164 100

162 103.7 83.5 125.3

160 45.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 88.794 ng

RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

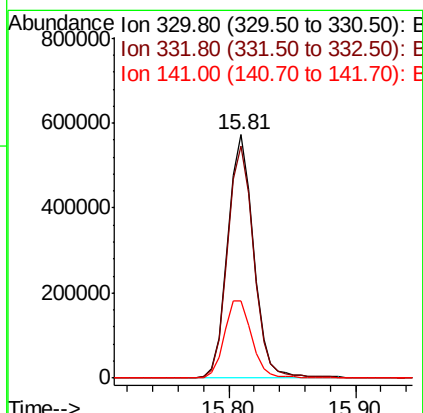
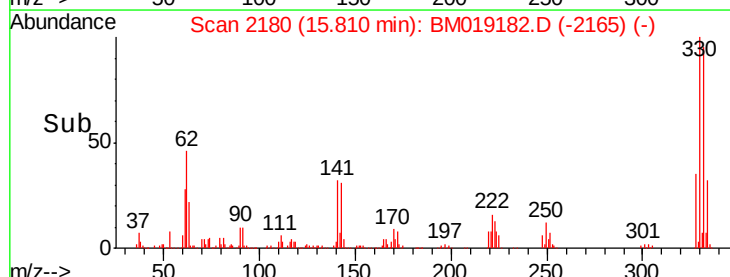
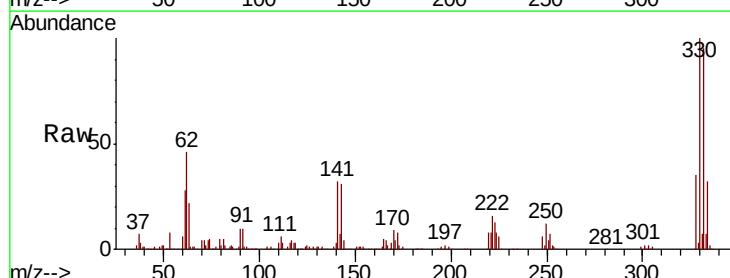
Tgt Ion:330 Resp: 808238

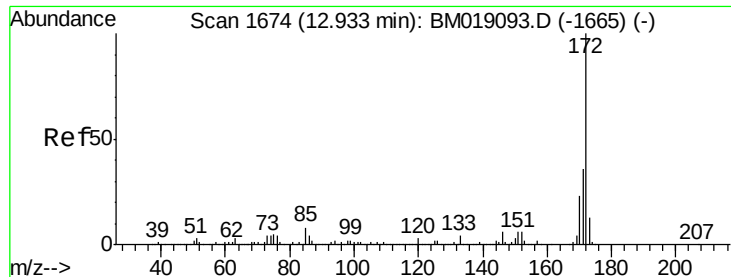
Ion Ratio Lower Upper

330 100

332 96.8 76.8 115.2

141 34.0 27.0 40.4

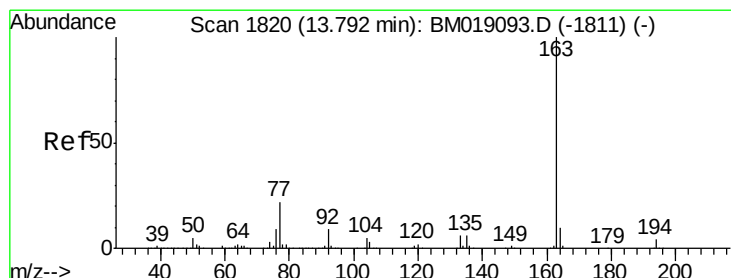
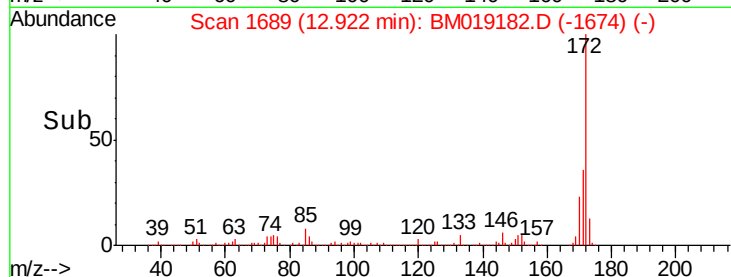
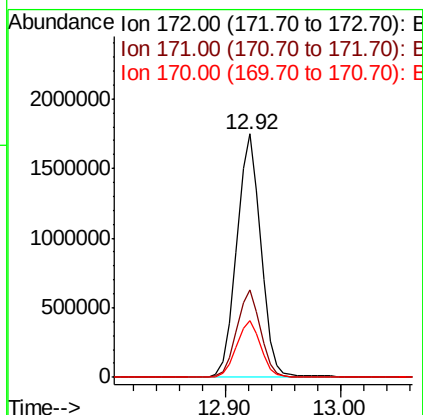
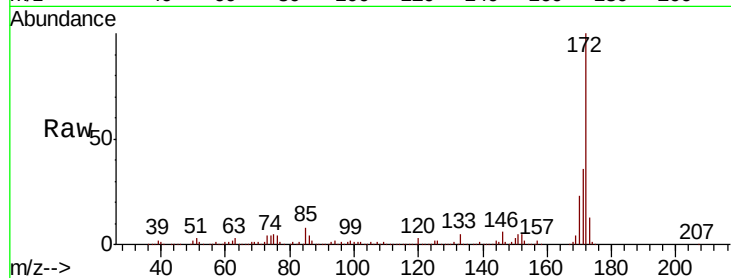




#45
 2-Fluorobiphenyl
 Concen: 53.495 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM019182.D
 Acq: 15 Mar 2019 12:33

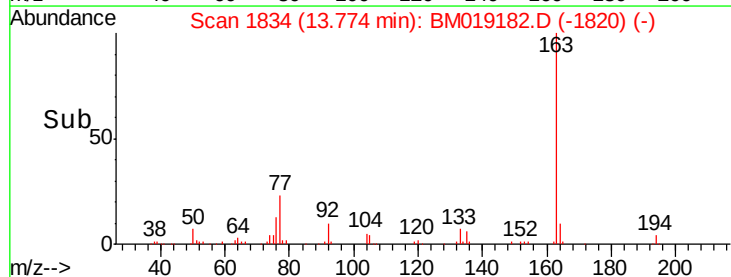
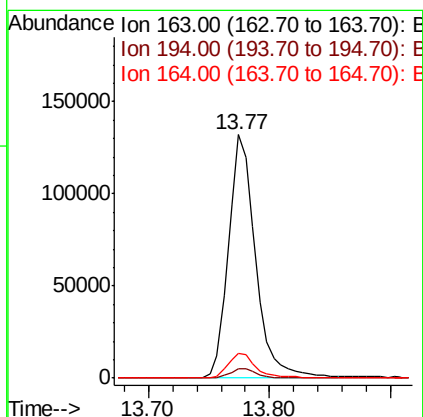
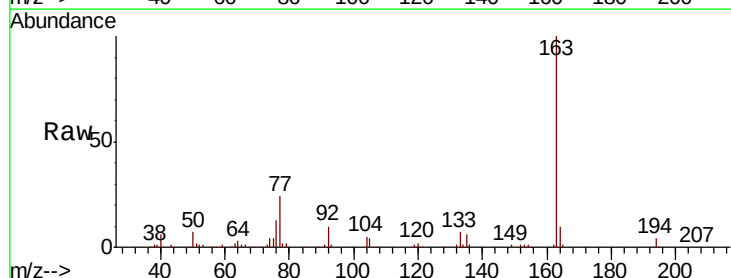
Instrument :
 BNA_M
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 PST-027-B116-030619

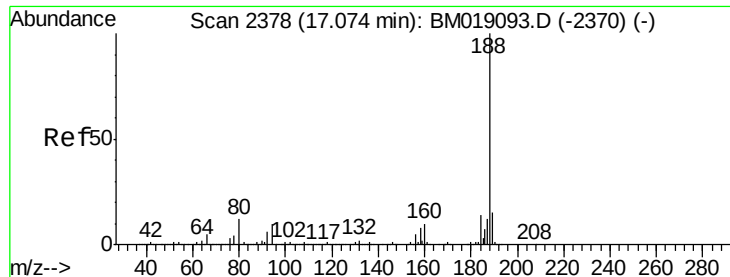
Tgt Ion:172 Resp: 2535386
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 42.8
 170 23.4 18.6 28.0



#50
 Dimethylphthalate
 Concen: 3.919 ng
 RT: 13.77 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BM019182.D
 Acq: 15 Mar 2019 12:33

Tgt Ion:163 Resp: 206691
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.3 4.9
 164 10.1 7.7 11.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

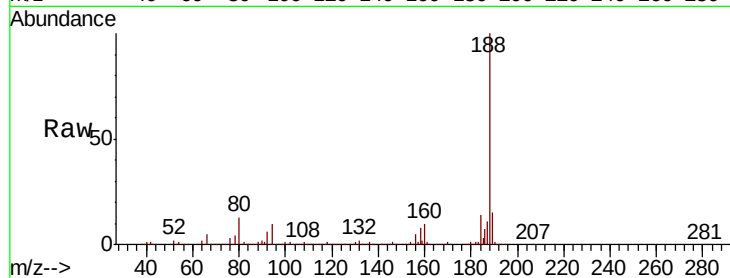
Tgt Ion:188 Resp: 1388090

Ion Ratio Lower Upper

188 100

94 10.2 8.1 12.1

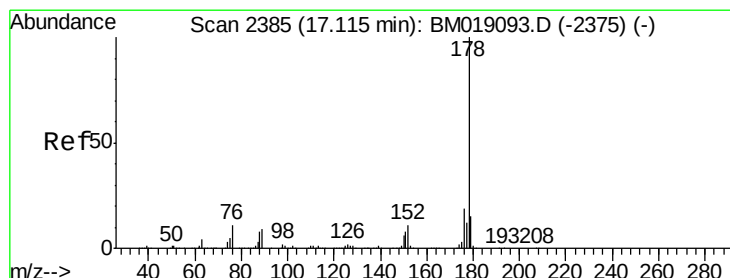
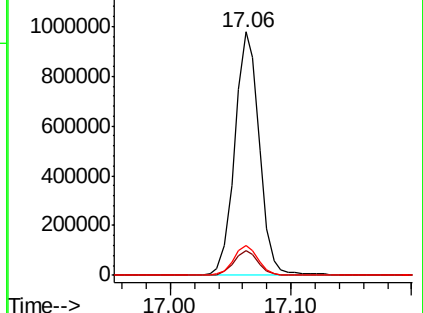
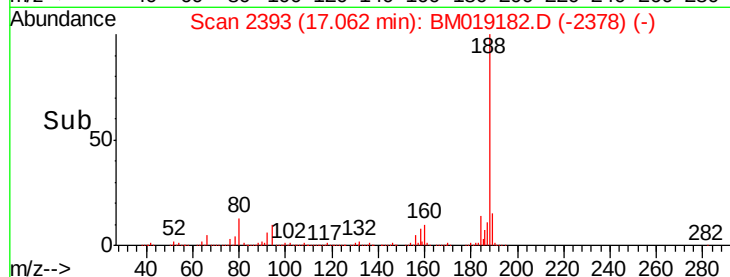
80 12.5 9.7 14.5



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: 2.736 ng

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

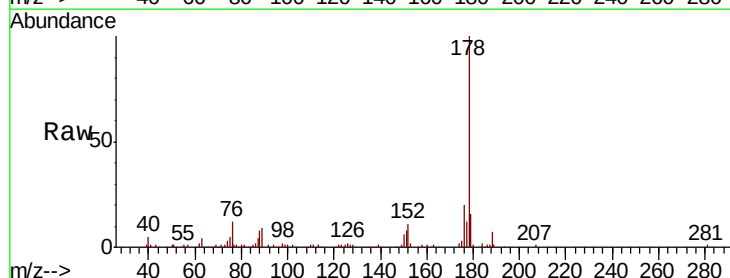
Tgt Ion:178 Resp: 222574

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

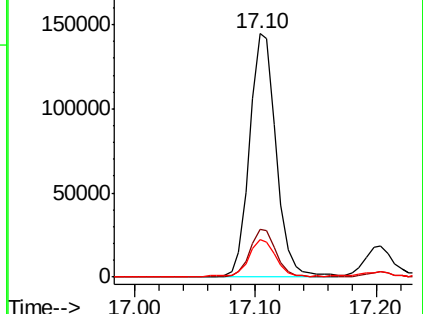
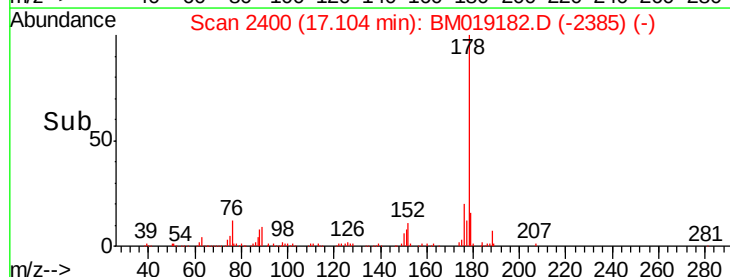
179 15.7 12.2 18.2

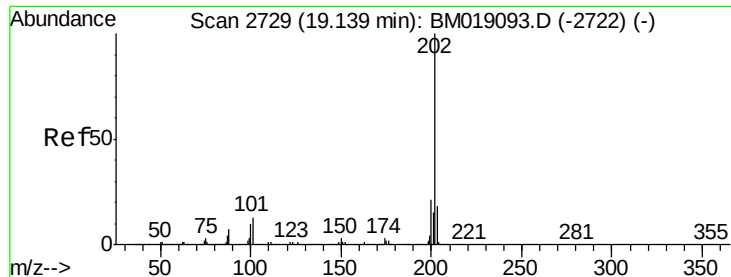


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.634 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

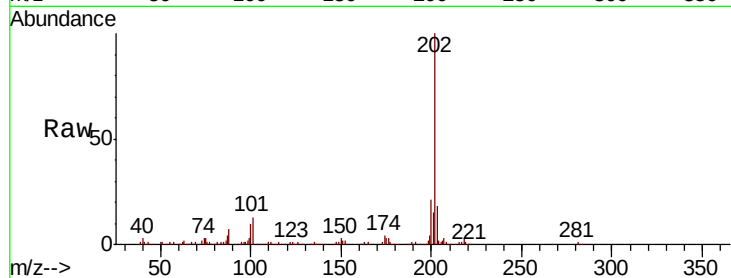
Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

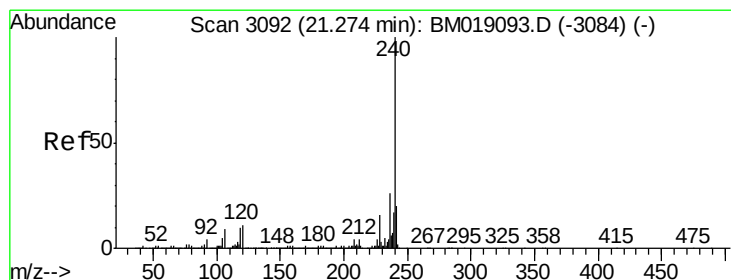
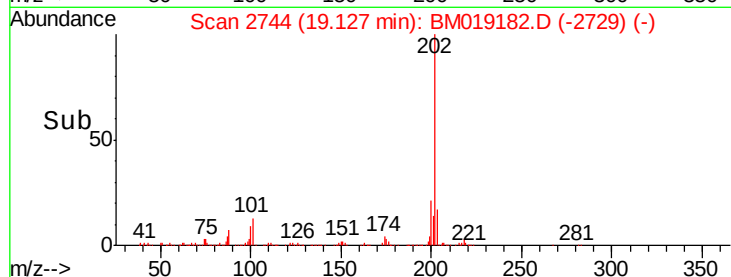
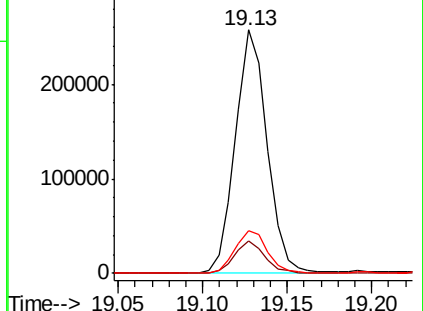
Tgt Ion:	202	Resp:	339255
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.0
203	17.5	0.0	37.8



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

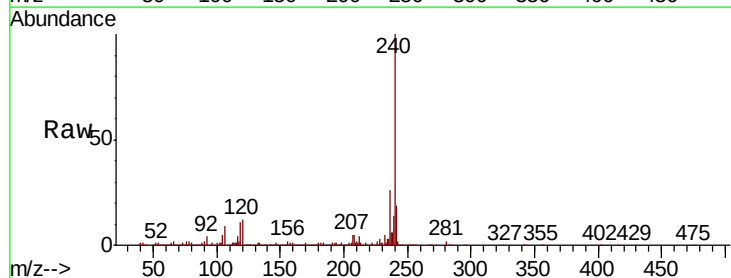
RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

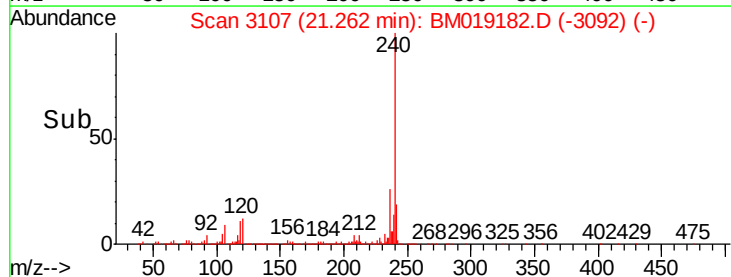
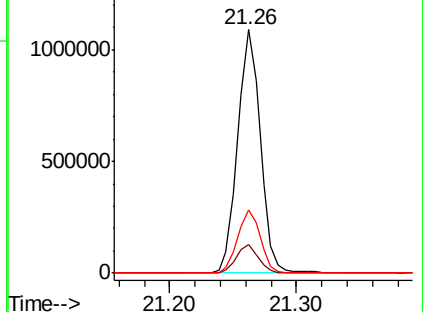
Tgt Ion:	240	Resp:	1347691
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.9	13.3
236	25.7	21.0	31.4

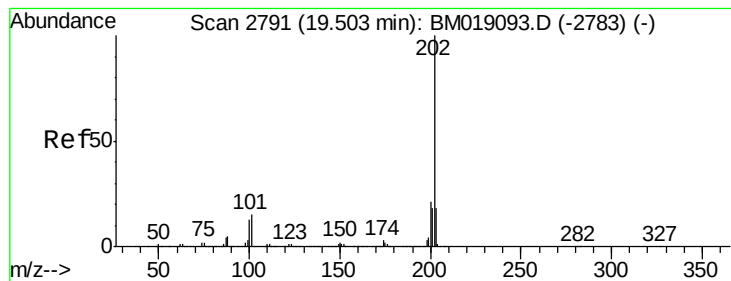


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.950 ng

RT: 19.49 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

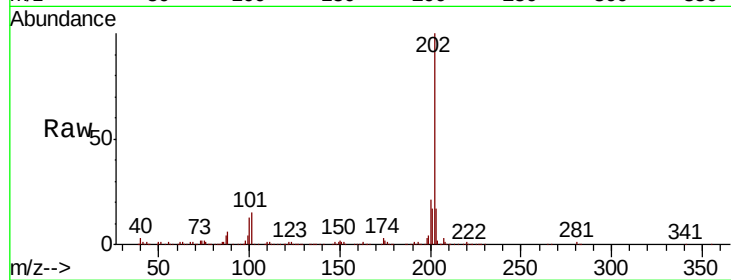
Tgt Ion:202 Resp: 422046

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.3 14.0 21.0

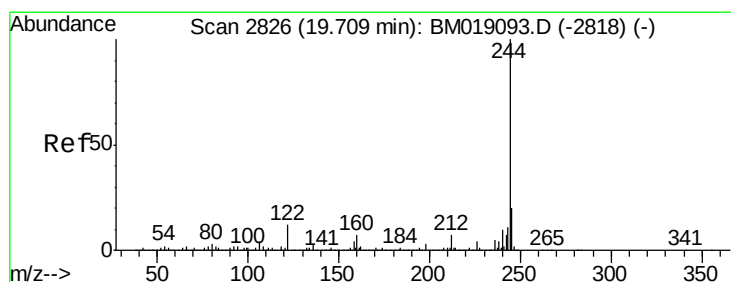
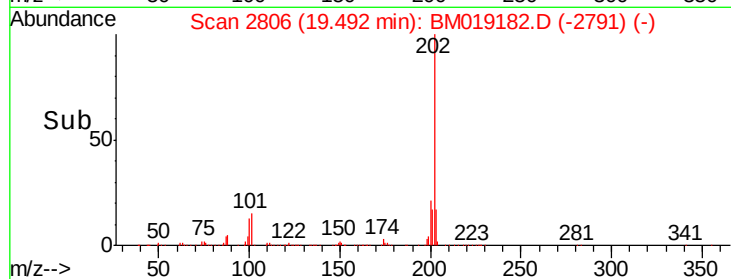
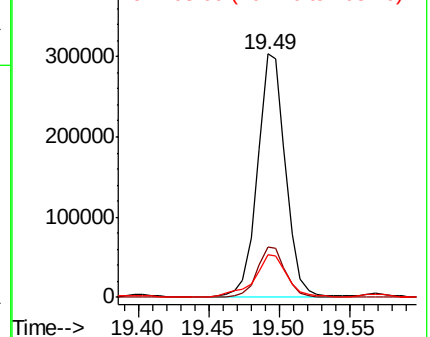


Abundance

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: 57.096 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

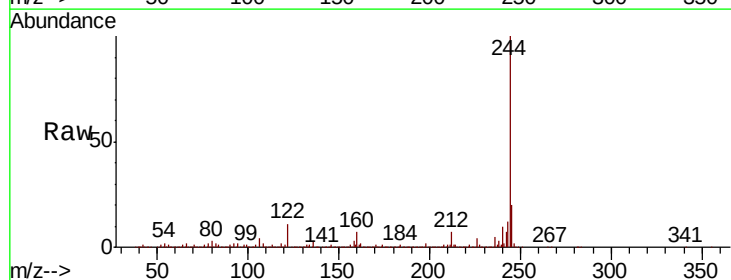
Tgt Ion:244 Resp: 3876002

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.6 9.4 14.2

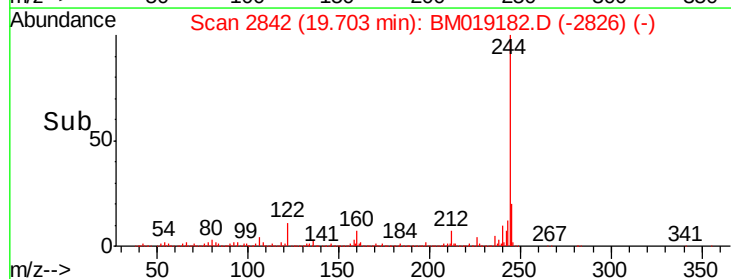
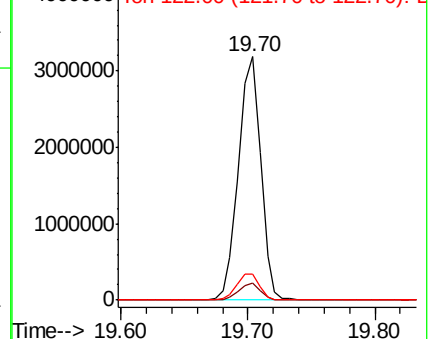


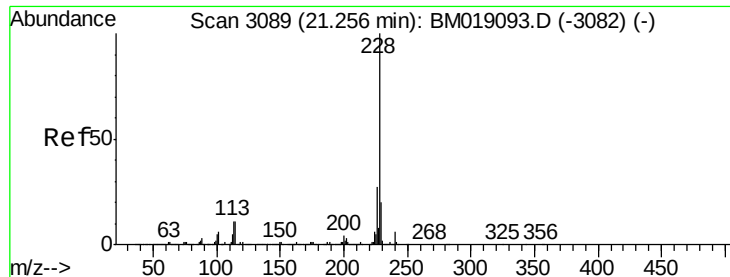
Abundance

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: 2.012 ng

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

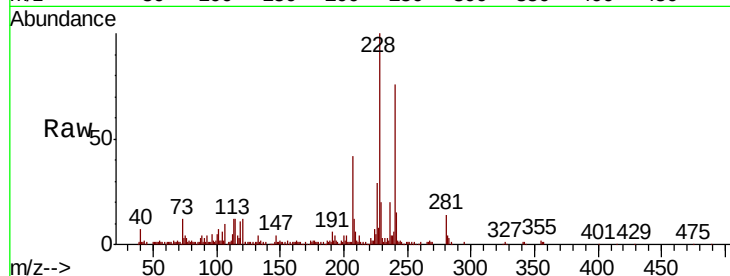
Tgt Ion:228 Resp: 170112

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

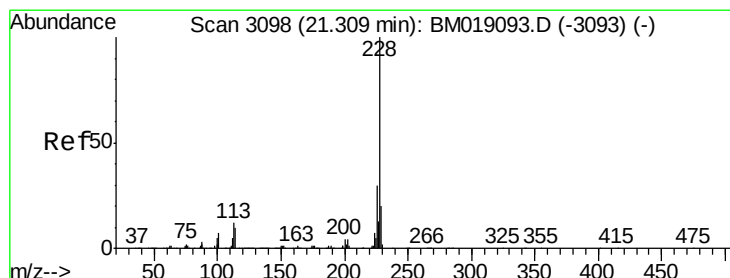
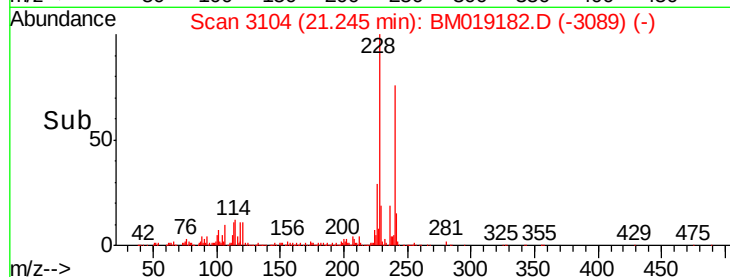
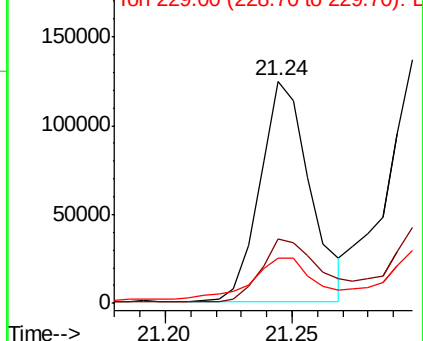
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.457 ng

RT: 21.30 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

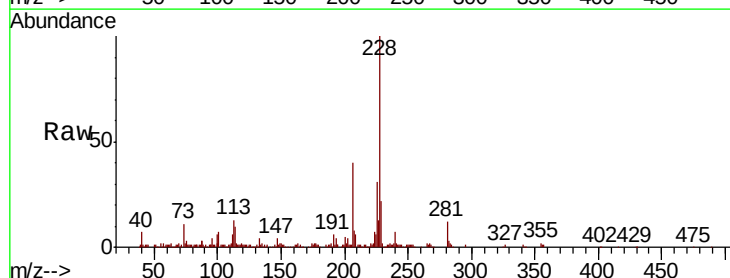
Tgt Ion:228 Resp: 201010

Ion Ratio Lower Upper

228 100

226 31.1 23.8 35.8

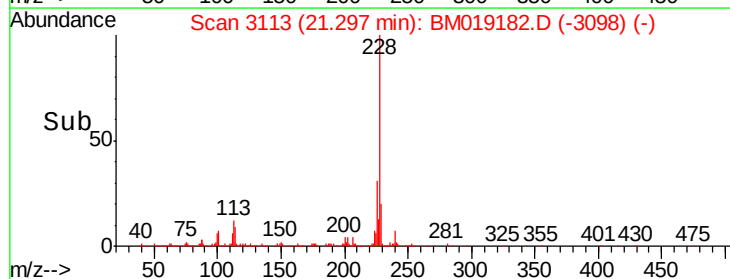
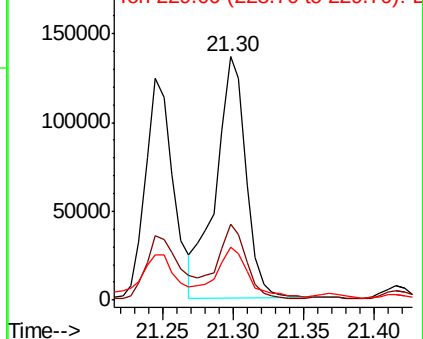
229 21.9 15.7 23.5

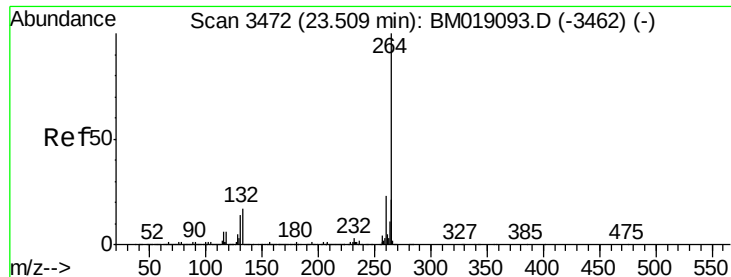


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



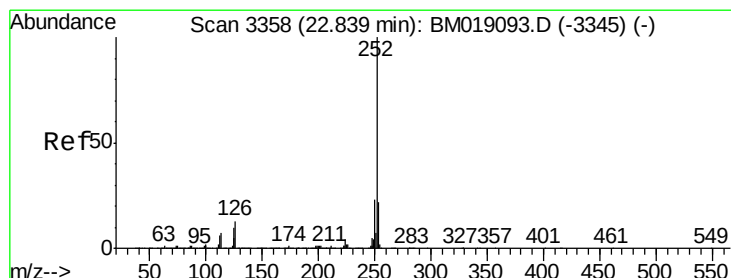
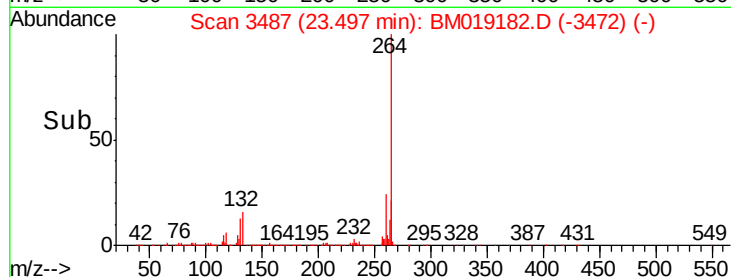
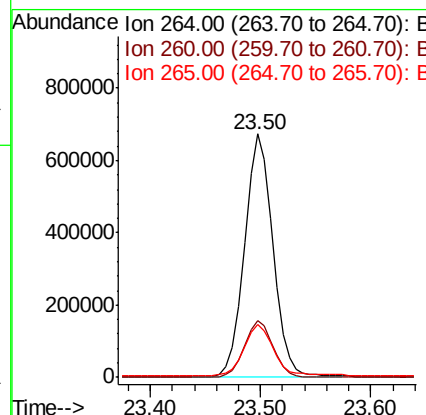
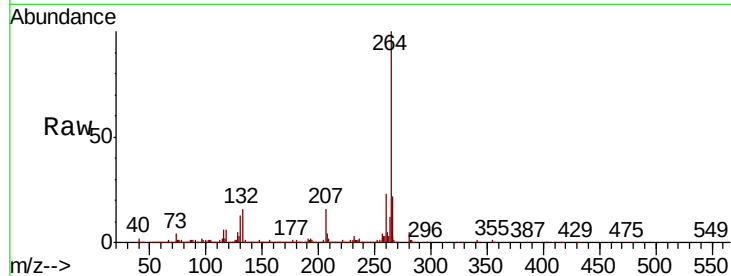


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3487
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Instrument :
BNA_M
ClientSampleId :
PST-027-B116-030619

Tgt Ion:264 Resp: 1225006

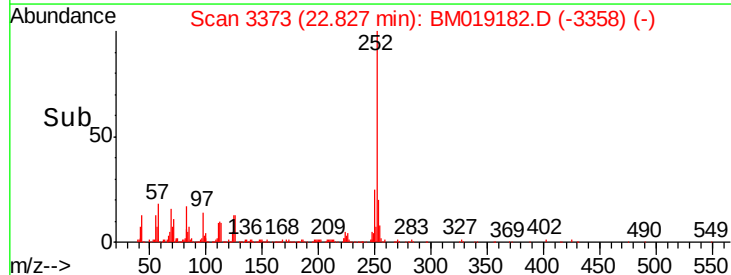
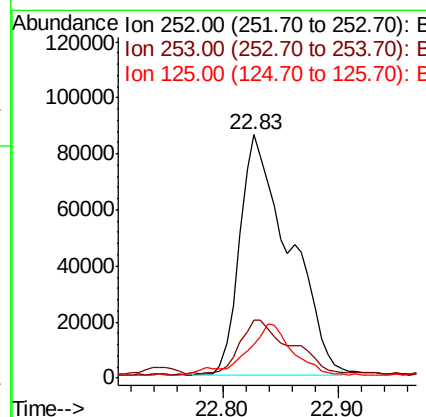
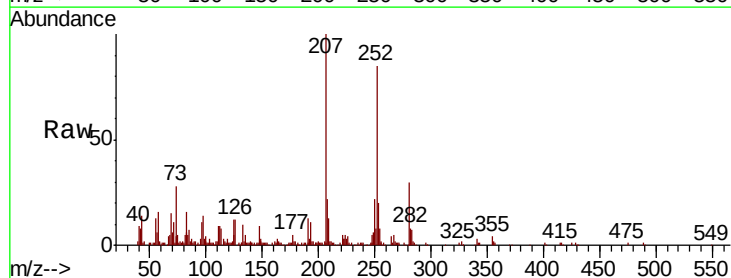
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.7	17.3	25.9

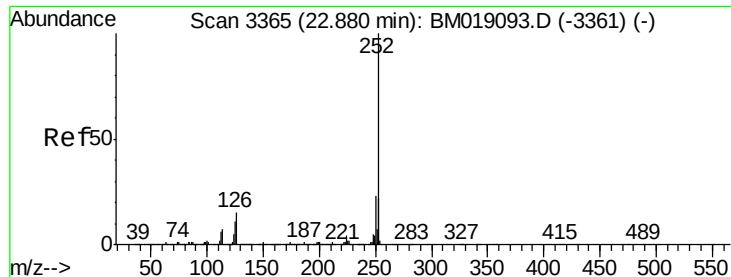


#88
Benzo(b)fluoranthene
Concen: 3.229 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM019182.D
Acq: 15 Mar 2019 12:33

Tgt Ion:252 Resp: 256315

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	14.0	8.1	12.1#





#89

Benzo(k)fluoranthene

Concen: 3.482 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BM019182.D

Acq: 15 Mar 2019 12:33

Instrument :

BNA_M

ClientSampleId :

PST-027-B116-030619

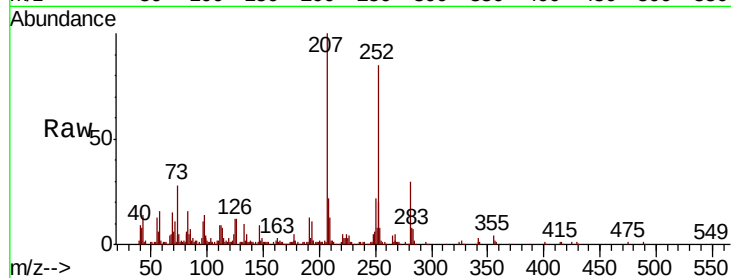
Tgt Ion: 252 Resp: 254219

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 14.0 8.8 13.2#



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

