

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031919\
 Data File : BM019237.D
 Acq On : 19 Mar 2019 15:17
 Operator : JU/SJ
 Sample : K1921-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 19 16:25:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 19 12:12:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	177142	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	823495	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	526699	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1201584	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1127137	20.00	ng	0.00
87) Perylene-d12	23.48	264	967060	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	818087	74.79	ng	0.00
7) Phenol-d6	6.82	99	1267626	79.23	ng	0.00
23) Nitrobenzene-d5	8.81	82	770325	44.22	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	569128	73.19	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1615545	39.90	ng	0.00
79) Terphenyl-d14	19.69	244	2355260	41.48	ng	0.00

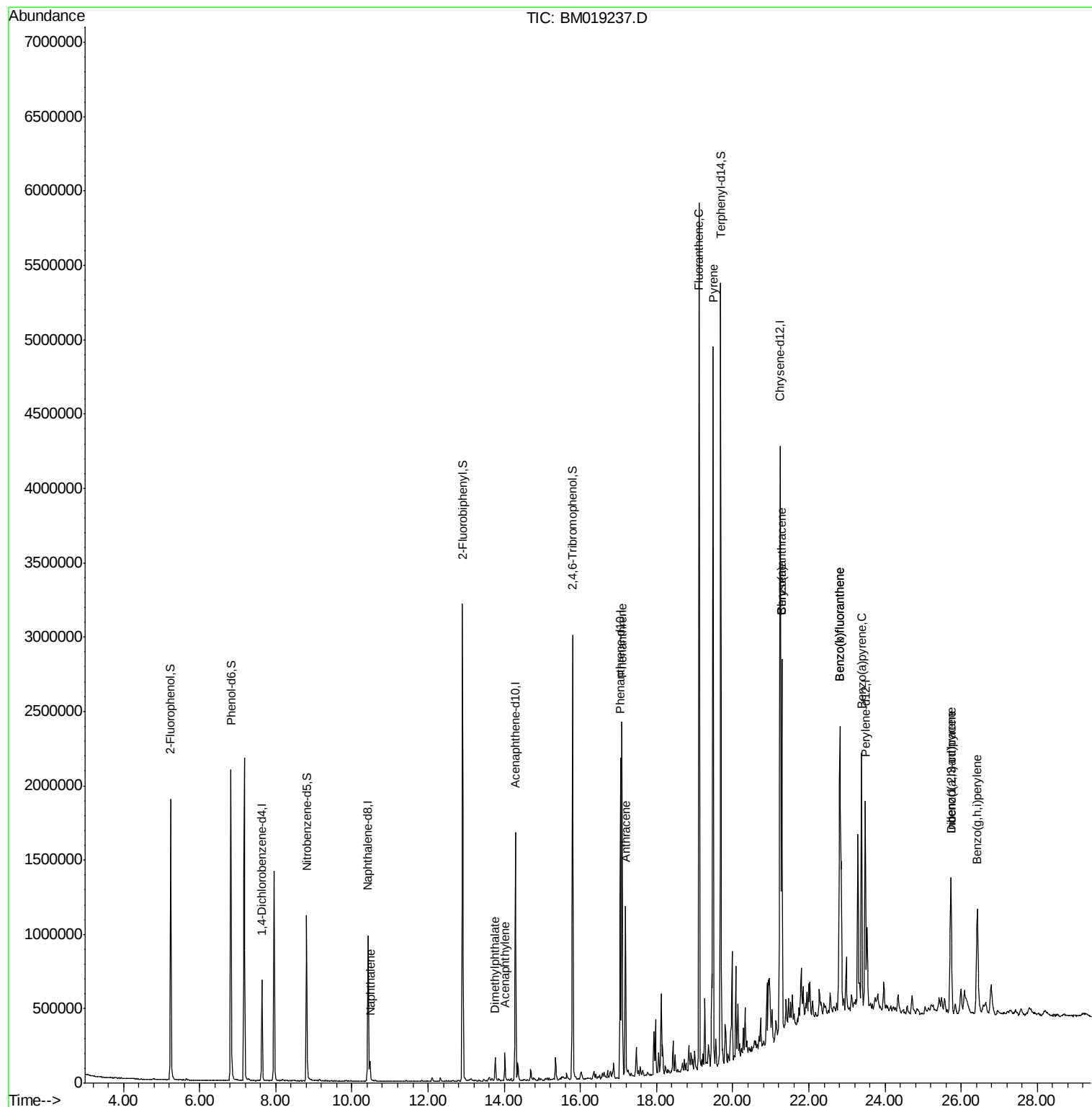
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.47	128	103119	2.376	ng	100
49) Acenaphthylene	14.02	152	137836	2.374	ng	98
50) Dimethylphthalate	13.76	163	96106	2.133	ng	99
71) Phenanthrene	17.09	178	1302955	18.500	ng	99
72) Anthracene	17.19	178	681066	9.878	ng	99
75) Fluoranthene	19.12	202	3321502	41.100	ng	99
78) Pyrene	19.49	202	2737629	38.388	ng	99
81) Benzo(a)anthracene	21.29	228	1244449	17.599	ng	95
83) Chrysene	21.29	228	1333928	19.499	ng	98
86) Indeno(1,2,3-cd)pyrene	25.73	276	836850	11.364	ng	95
88) Benzo(b)fluoranthene	22.81	252	1779469	28.397	ng	98
89) Benzo(k)fluoranthene	22.81	252	1777257	30.836	ng	99
90) Benzo(a)pyrene	23.39	252	1179748	20.950	ng	99
91) Dibenzo(a,h)anthracene	25.73	278	202676	3.762	ng	# 83
92) Benzo(a,h,i)perylene	26.43	276	820780	16.596	ng	98

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

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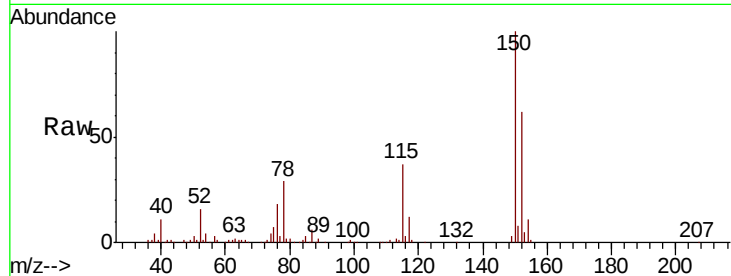


#1

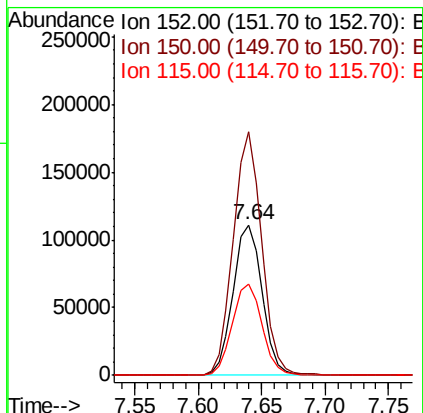
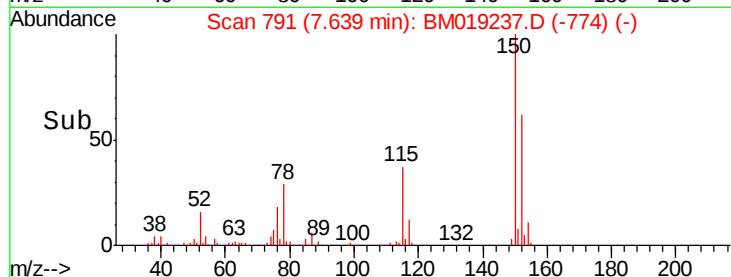
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 791
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 177142
Ion Ratio Lower Upper
152 100
150 162.1 124.6 187.0
115 60.6 48.2 72.4



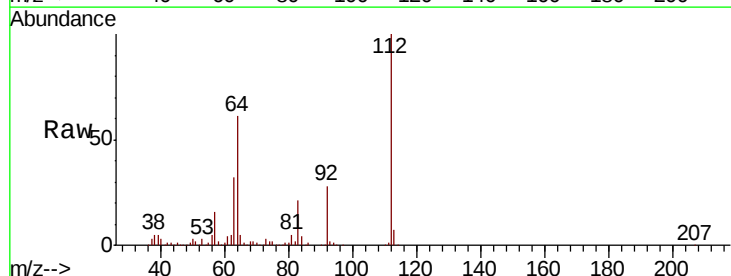
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



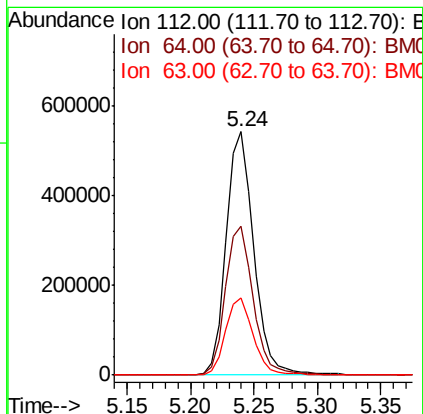
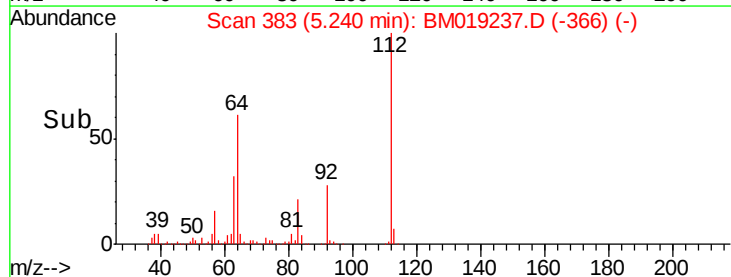
#5

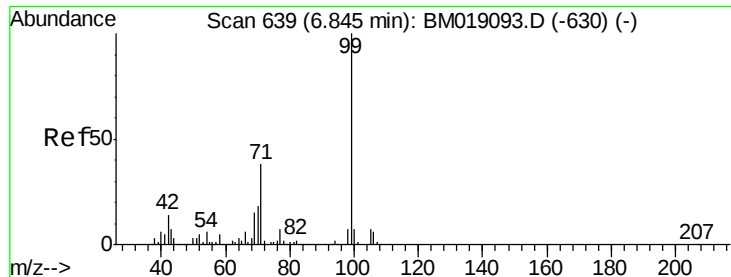
2-Fluorophenol
Concen: 74.792 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:112 Resp: 818087
Ion Ratio Lower Upper
112 100
64 61.3 49.0 73.6
63 31.5 24.7 37.1



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: 79.230 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampled :

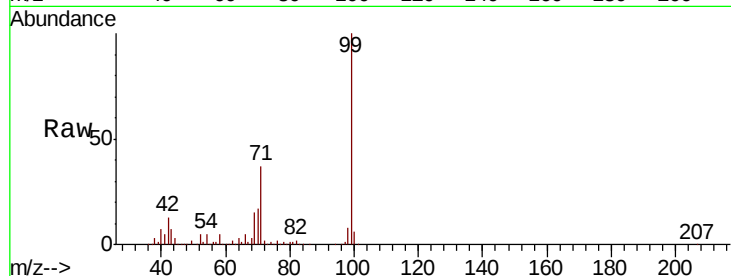
Tot Ion: 99 Resp: 1267626

Ion Ratio Lower Upper

99 100

42 13.2 10.8 16.2

71 36.8 30.1 45.1

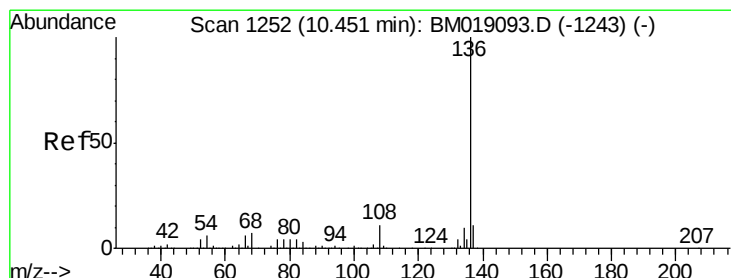
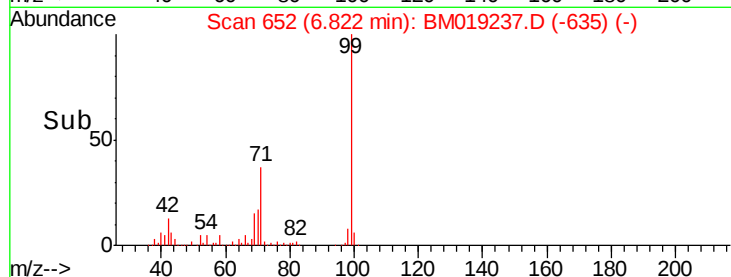
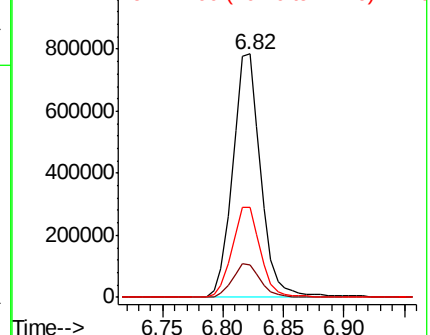


Abundance

Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Tgt Ion: 136 Resp: 823495

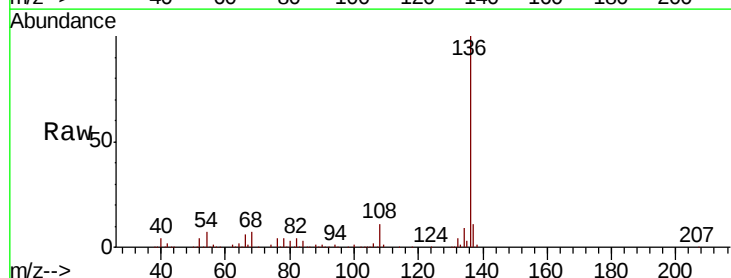
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 5.2 7.8

68 7.1 6.1 9.1



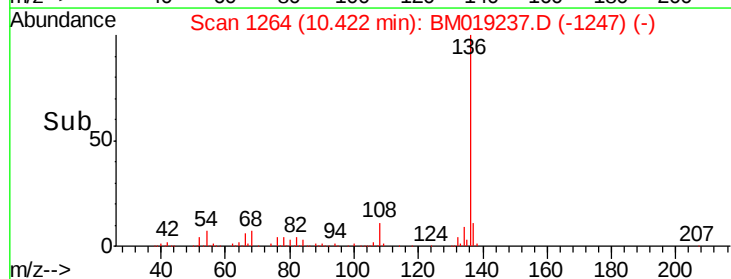
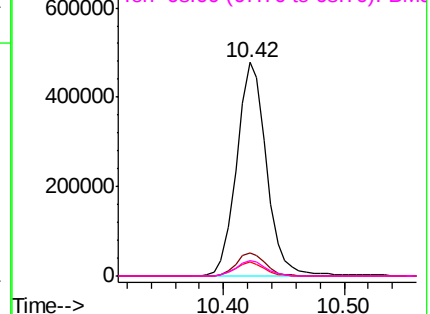
Abundance

Ion 136.00 (135.70 to 136.70): BM019093.D (-1243) (-)

Ion 137.00 (136.70 to 137.70): BM019093.D (-1243) (-)

Ion 54.00 (53.70 to 54.70): BM019093.D (-1243) (-)

Ion 68.00 (67.70 to 68.70): BM019093.D (-1243) (-)

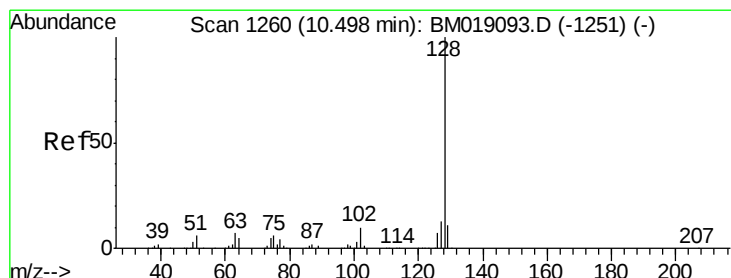
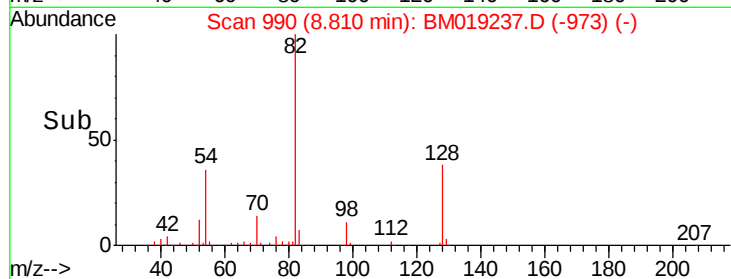
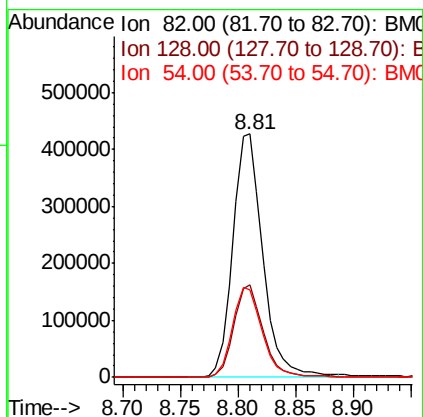
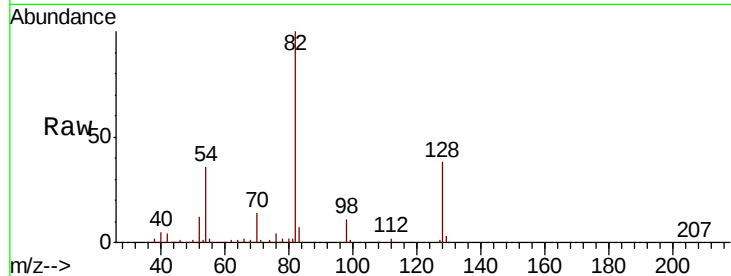




#23
Nitrobenzene-d5
Concen: 44.218 ng
RT: 8.81 min Scan# 990
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

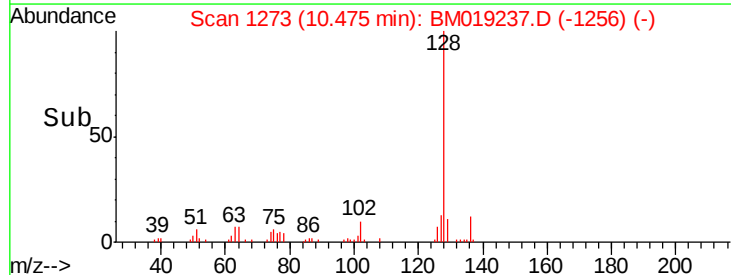
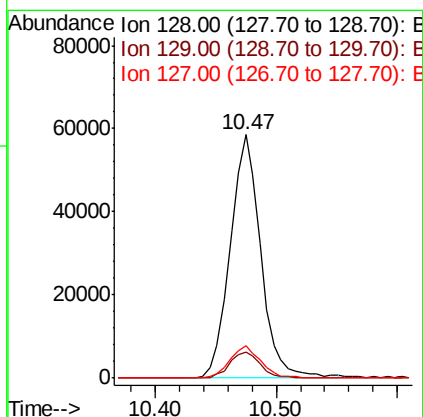
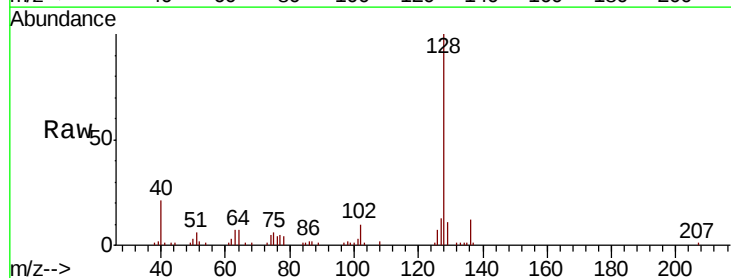
Instrument :
BNA_M
ClientSampled :

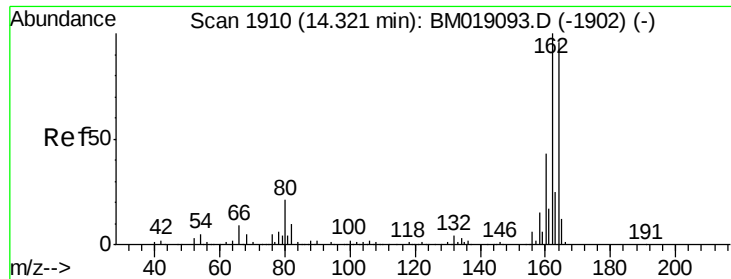
Tot Ion	82	Resp	770325
Ion Ratio	Lower	Upper	
82	100		
128	38.1	30.2	45.4
54	36.0	29.0	43.4



#31
Naphthalene
Concen: 2.376 ng
RT: 10.47 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	128	Resp	103119
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.1	10.6	15.8

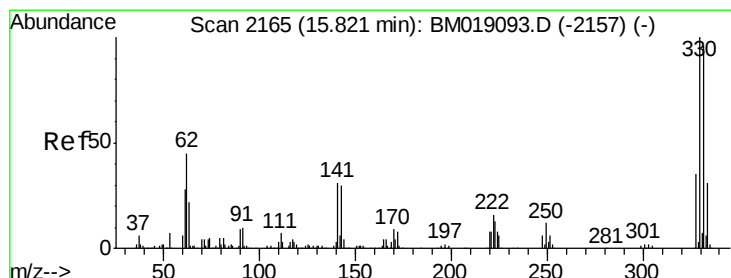
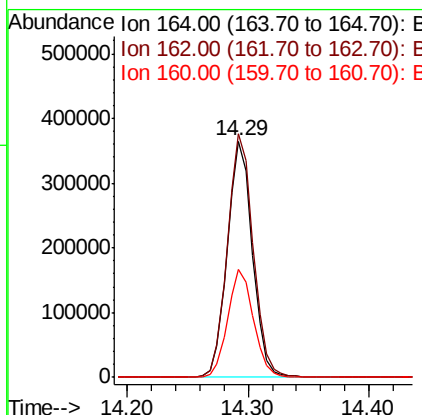
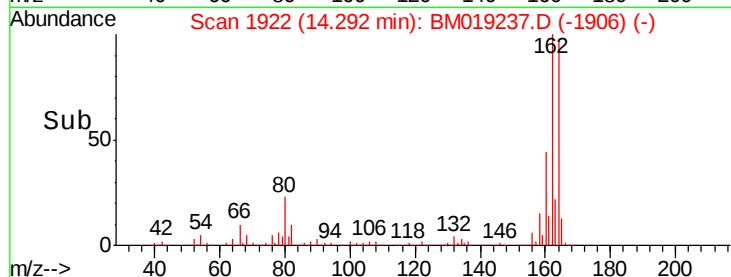
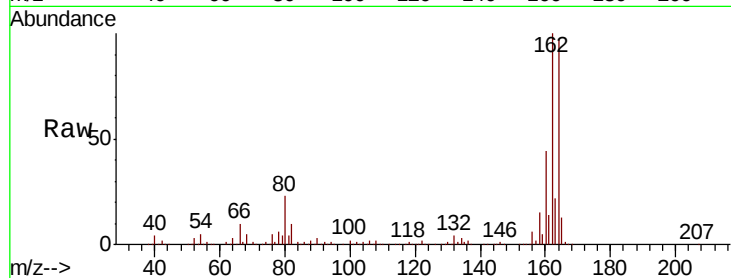




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.29 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

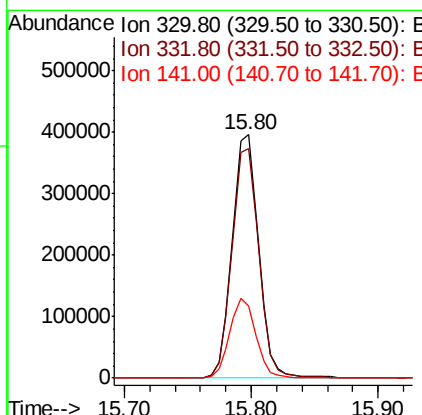
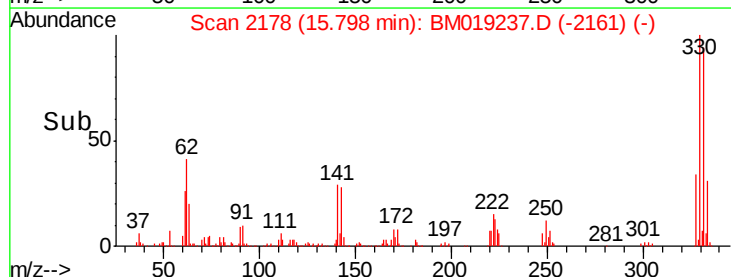
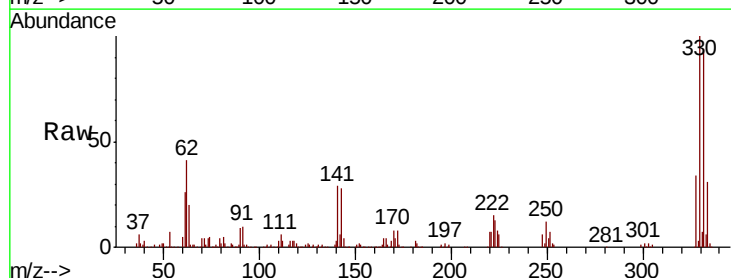
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.8	125.6
160	45.5	36.7	55.1



#42
 2,4,6-Tribromophenol
 Concen: 73.185 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.6	116.4
141	32.8	26.2	39.2

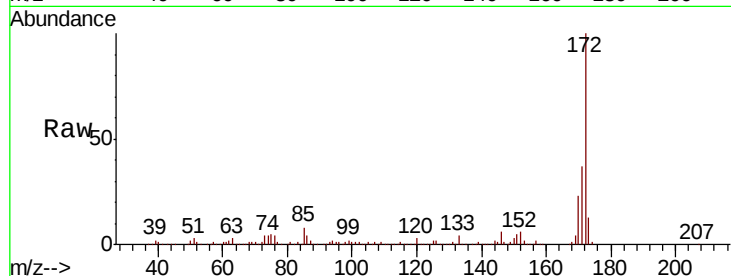




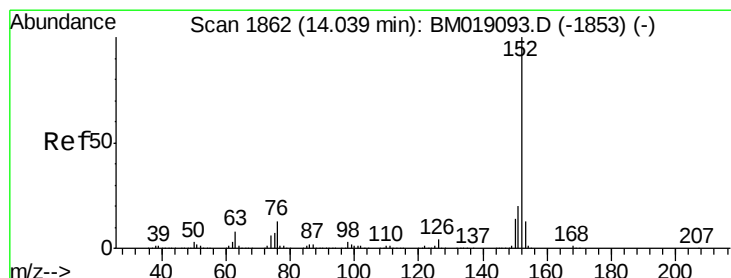
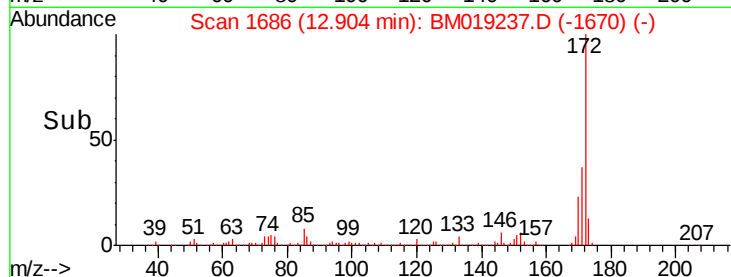
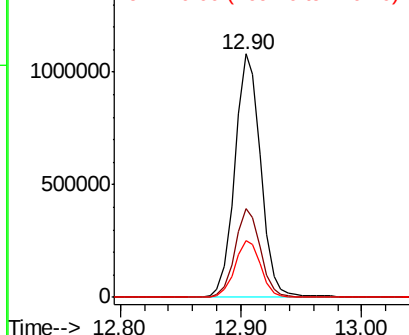
#45
2-Fluorobiphenyl
Concen: 39.898 ng
RT: 12.90 min Scan# 1686
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampled :

Tot Ion:172 Resp: 1615545
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 23.4 18.9 28.3

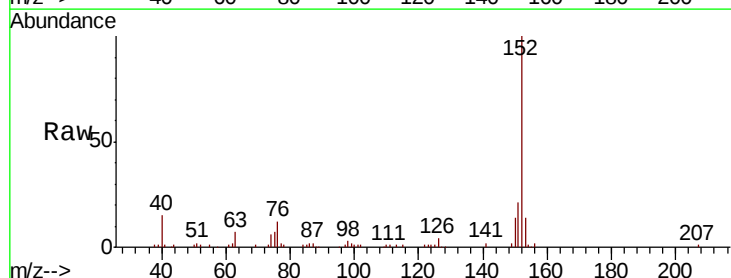


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

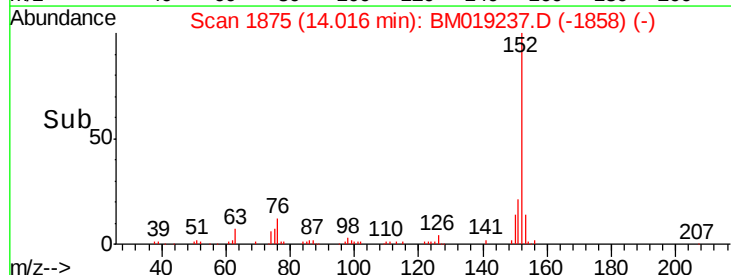
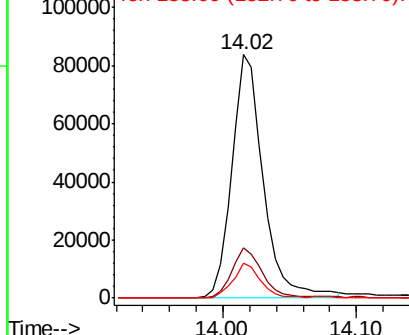


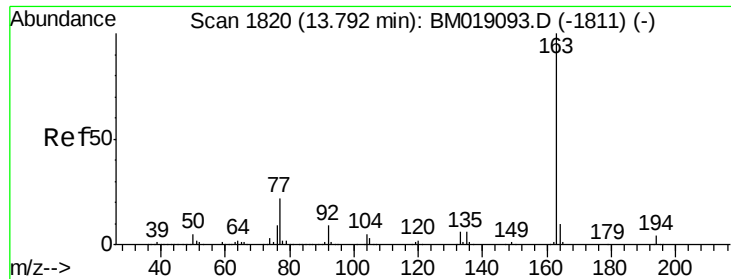
#49
Acenaphthylene
Concen: 2.374 ng
RT: 14.02 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:152 Resp: 137836
Ion Ratio Lower Upper
152 100
151 20.5 16.1 24.1
153 14.4 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.133 ng

RT: 13.76 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM019237.D

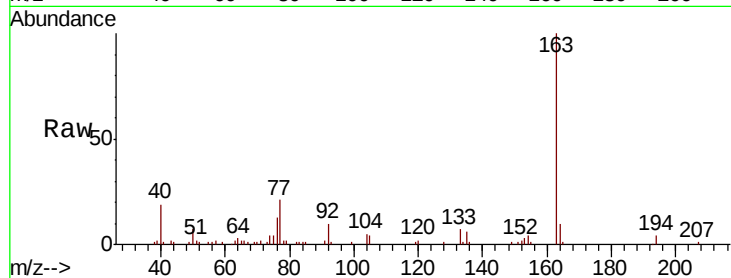
Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampleId :

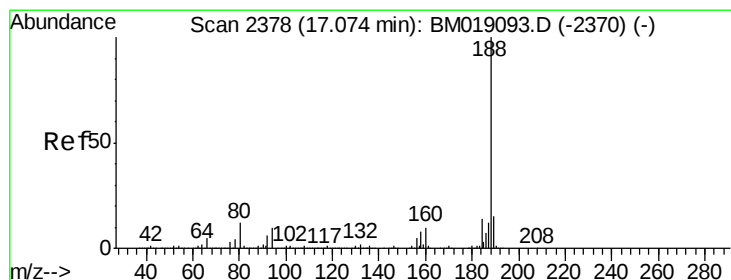
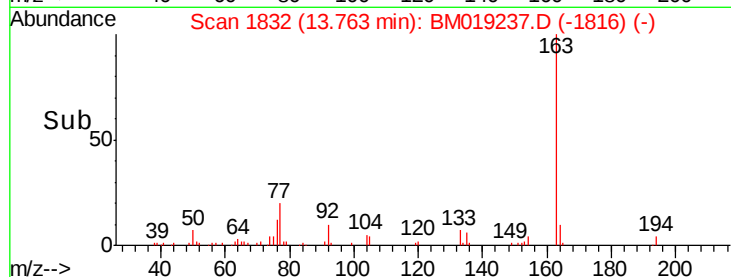
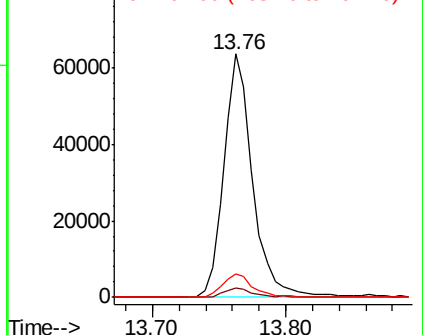
Tot Ion:163	Resp:	96106
Ion Ratio	Lower	Upper
163	100	
194	3.8	3.2 4.8
164	9.5	7.9 11.9



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

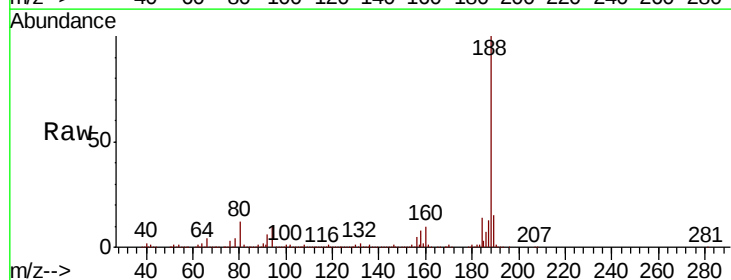
RT: 17.05 min Scan# 2391

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

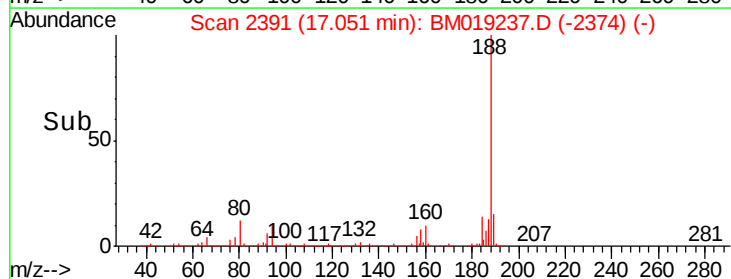
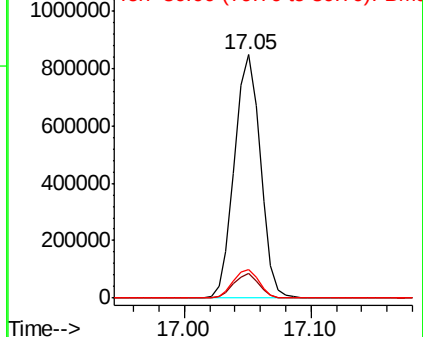
Tgt Ion:188	Resp:	1201584
Ion Ratio	Lower	Upper
188	100	
94	10.0	8.3 12.5
80	12.0	10.2 15.2

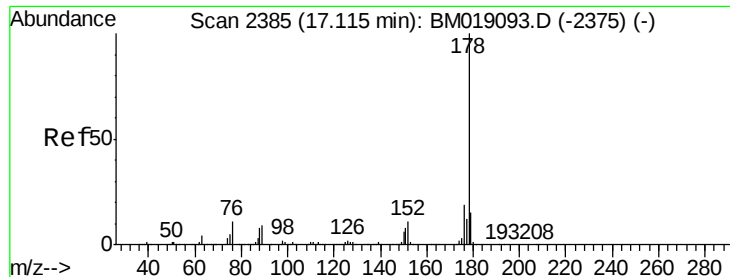


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

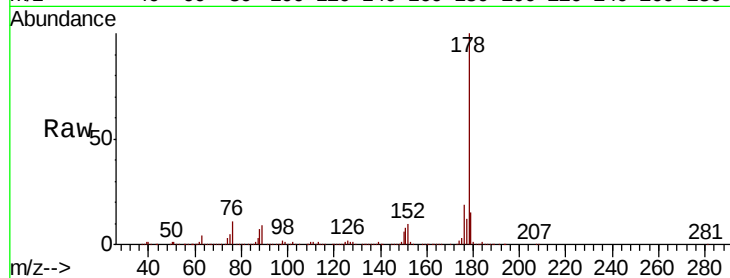




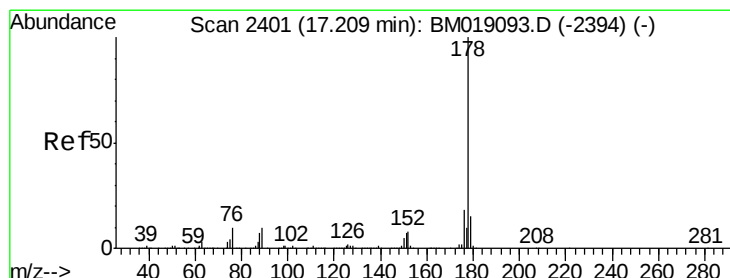
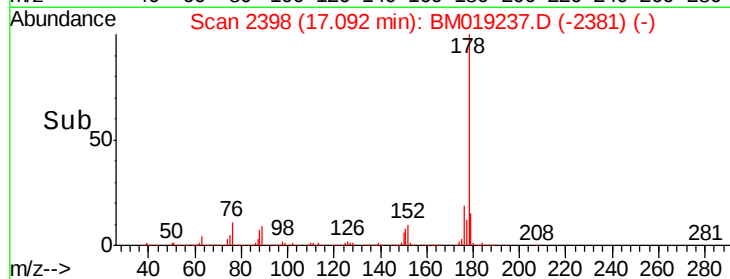
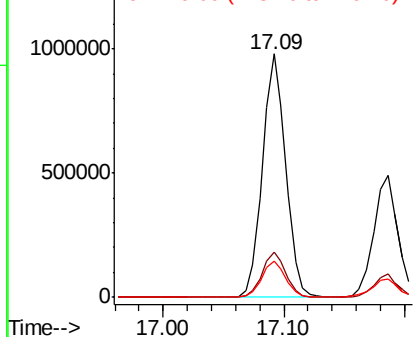
#71
Phenanthrene
Concen: 18.500 ng
RT: 17.09 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:178 Resp: 1302955
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.5 18.7

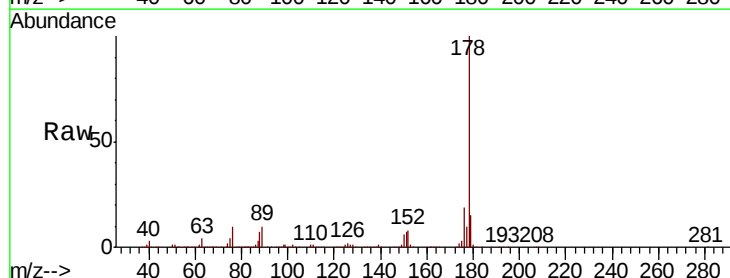


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

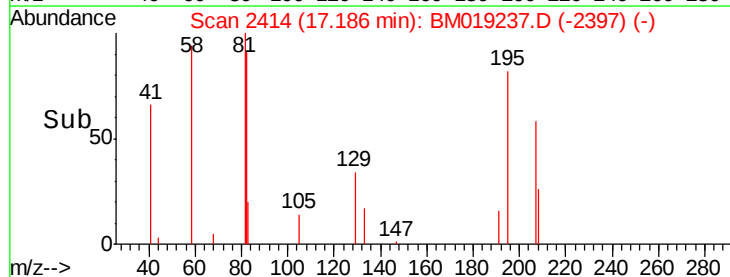
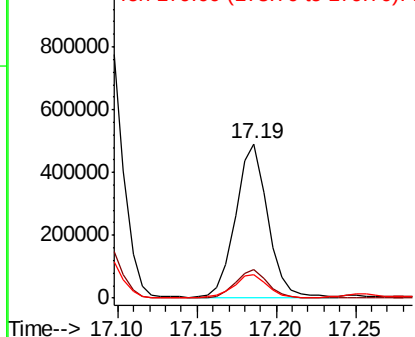


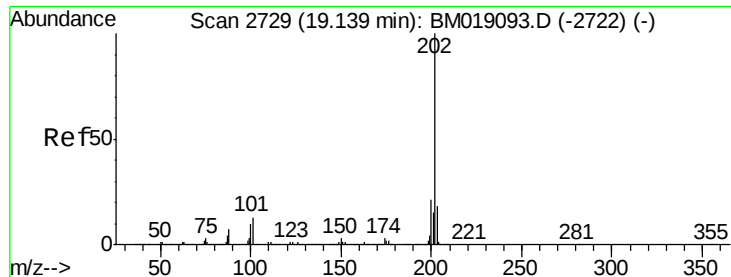
#72
Anthracene
Concen: 9.878 ng
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:178 Resp: 681066
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.5 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: 41.100 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampleId :

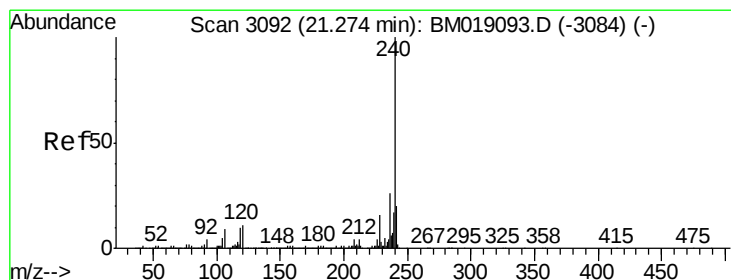
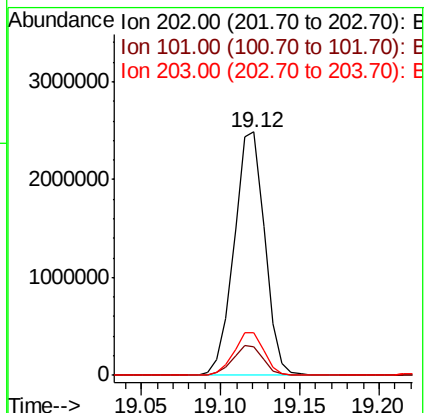
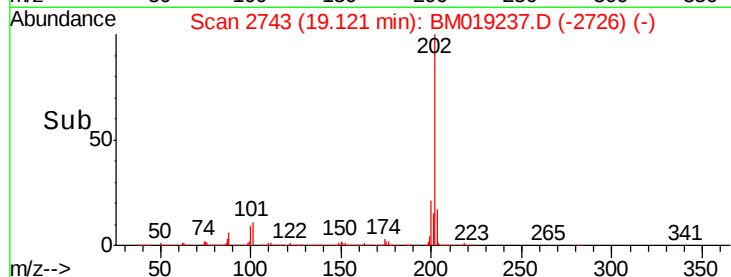
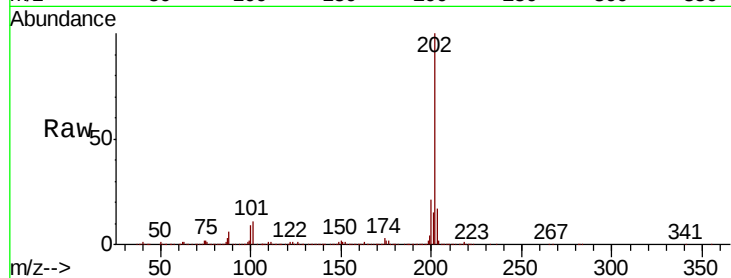
Tot Ion:202 Resp: 3321502

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.8

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

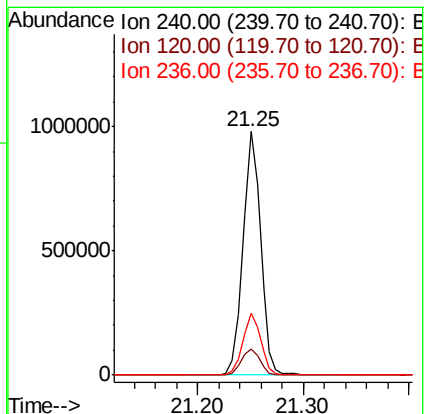
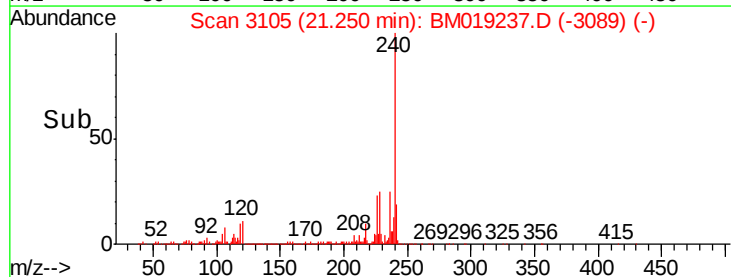
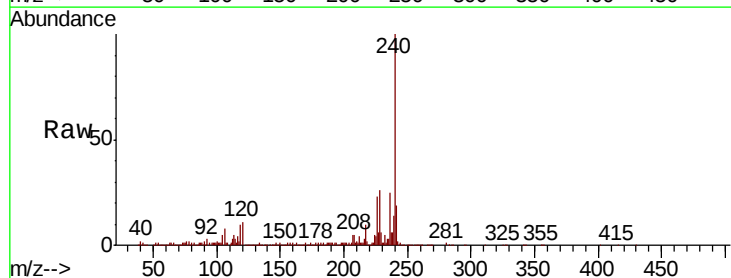
Tgt Ion:240 Resp: 1127137

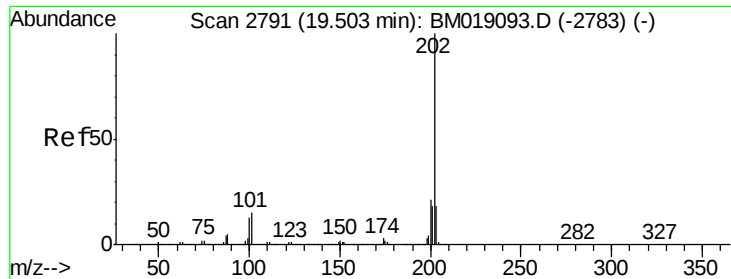
Ion Ratio Lower Upper

240 100

120 10.8 8.5 12.7

236 25.4 20.8 31.2

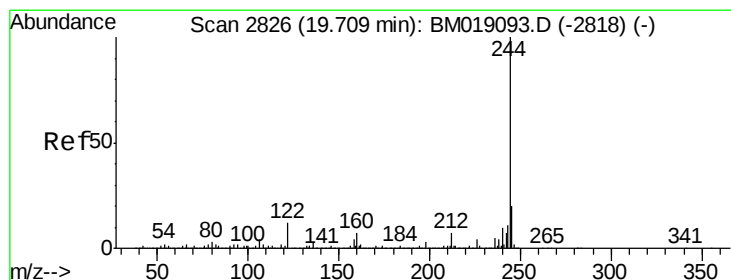
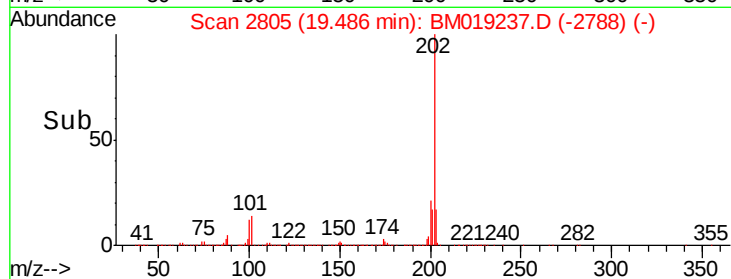
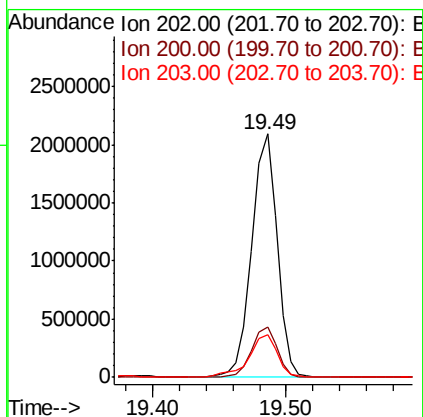
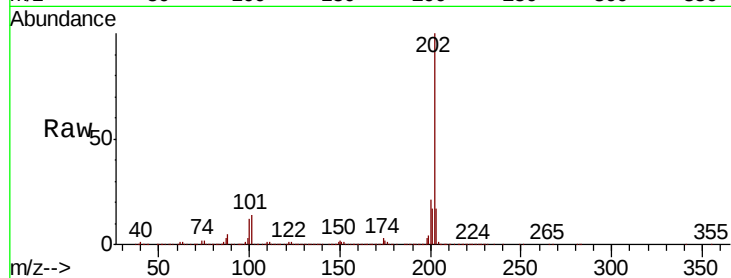




#78
Pvrene
Concen: 38.388 ng
RT: 19.49 min Scan# 2805
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

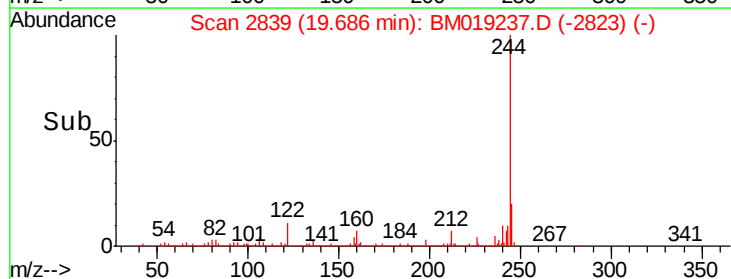
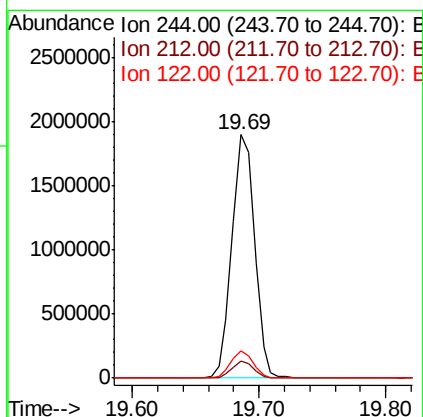
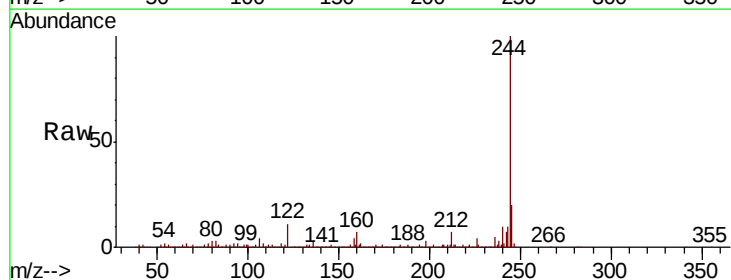
Instrument :
BNA_M
ClientSampled :

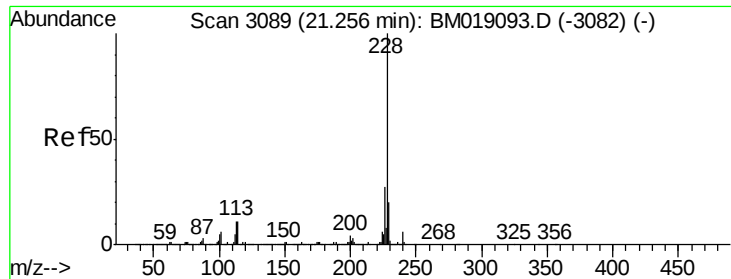
Tot Ion:202 Resp: 2737629
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 41.483 ng
RT: 19.69 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:244 Resp: 2355260
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.1 8.8 13.2

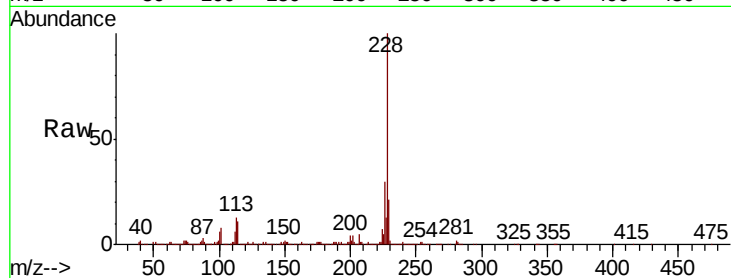




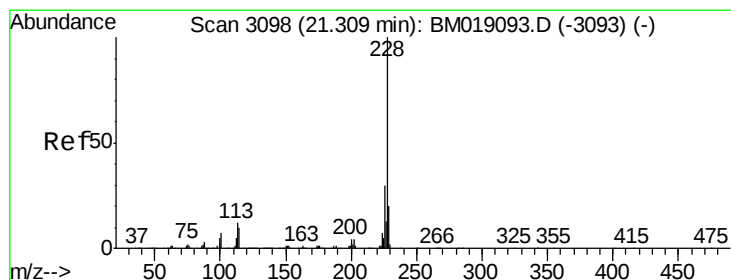
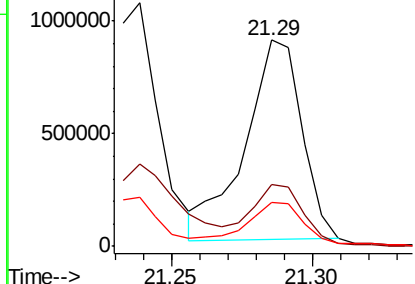
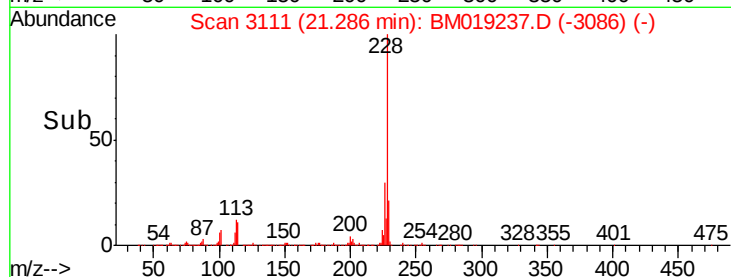
#81
Benzo(a)anthracene
Concen: 17.599 ng
RT: 21.29 min Scan# 3111
Delta R.T. 0.05 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:228 Resp: 1244449
Ion Ratio Lower Upper
228 100
226 30.1 21.7 32.5
229 21.3 15.6 23.4

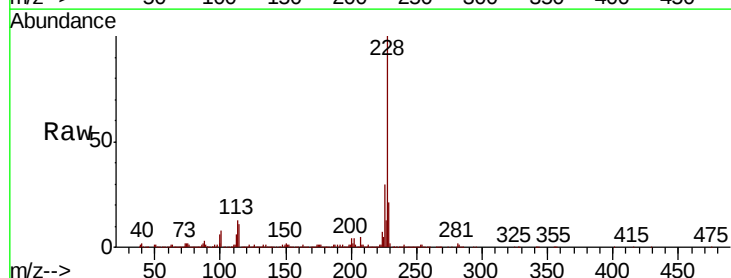


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

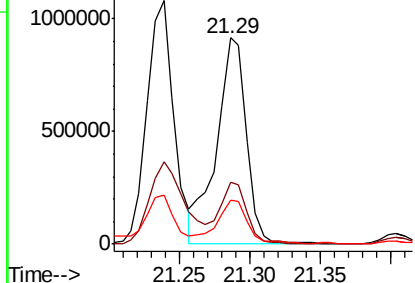
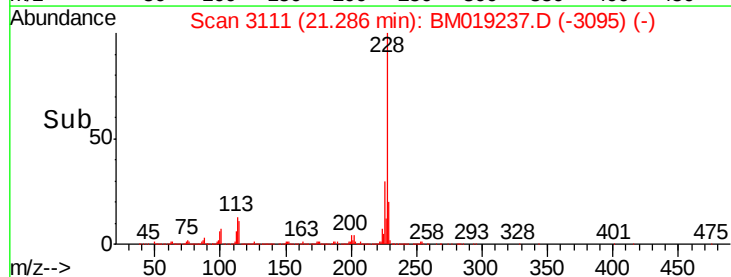


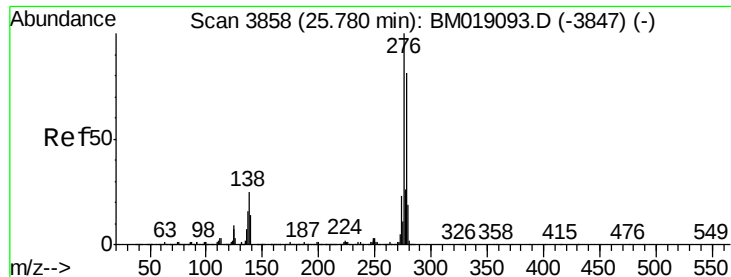
#83
Chrysene
Concen: 19.499 ng
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:228 Resp: 1333928
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 21.3 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





#86

Indeno(1,2,3-cd)pyrene

Concen: 11.364 ng

RT: 25.73 min Scan# 3867

Delta R.T. -0.01 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampleId :

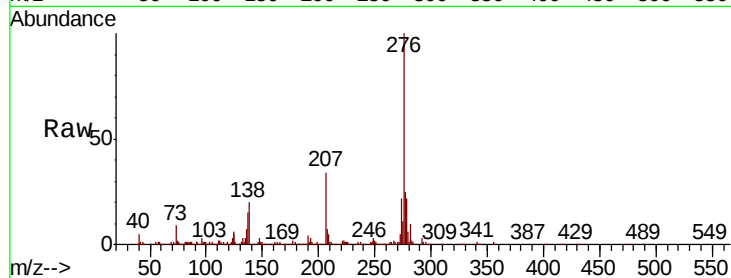
Tot Ion:276 Resp: 836850

Ion Ratio Lower Upper

276 100

138 20.2 19.6 29.4

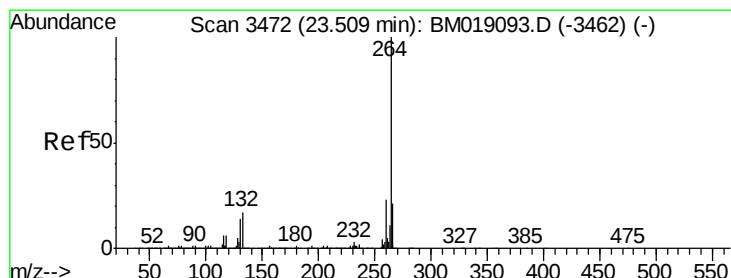
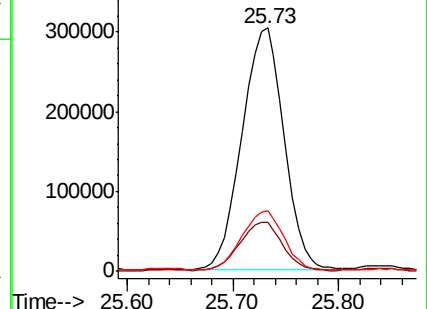
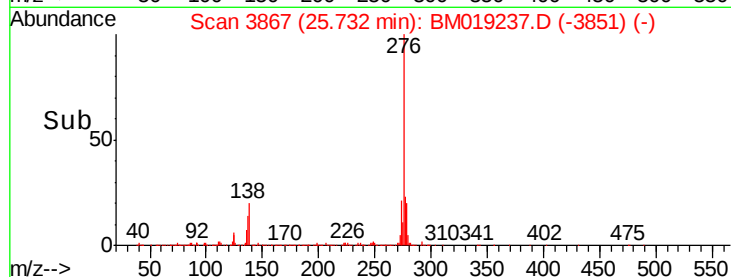
277 24.5 20.4 30.6



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: 23.48 min Scan# 3484

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

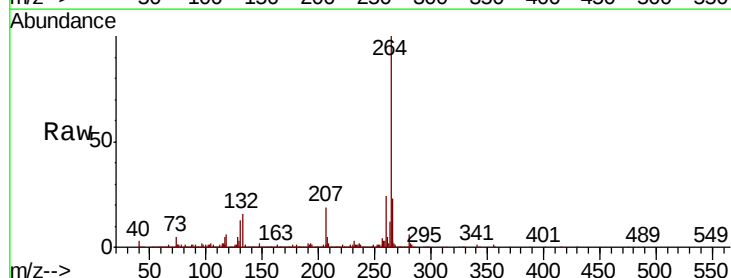
Tgt Ion:264 Resp: 967060

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

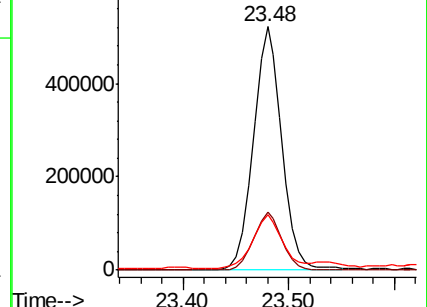
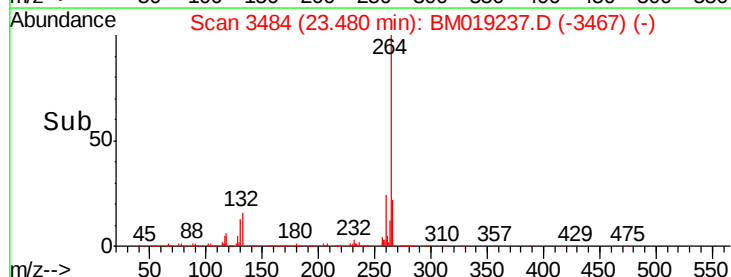
265 22.7 17.7 26.5

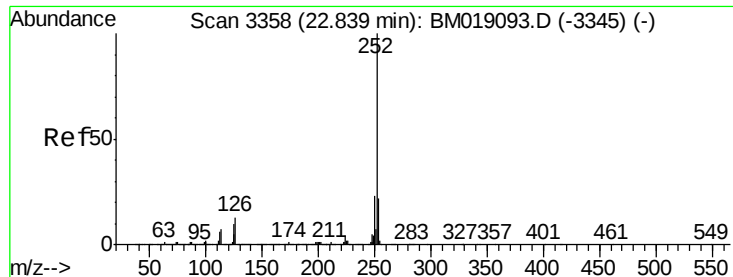


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 28.397 ng

RT: 22.81 min Scan# 3371

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampleId :

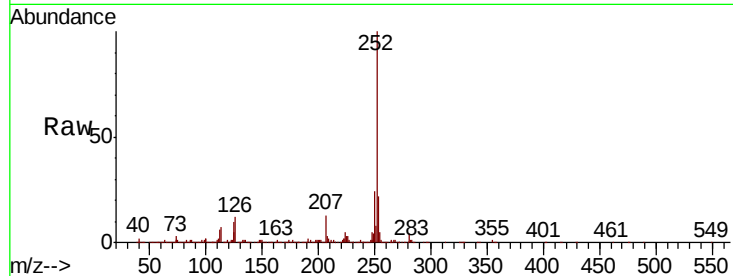
Tot Ion:252 Resp: 1779469

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

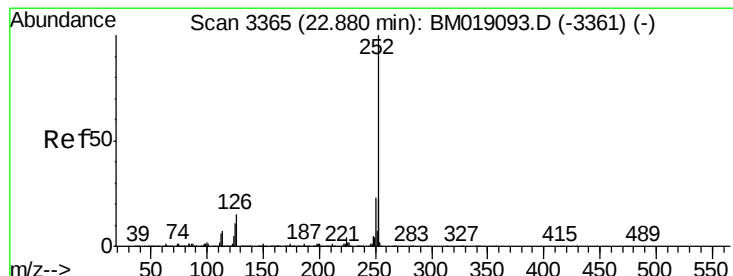
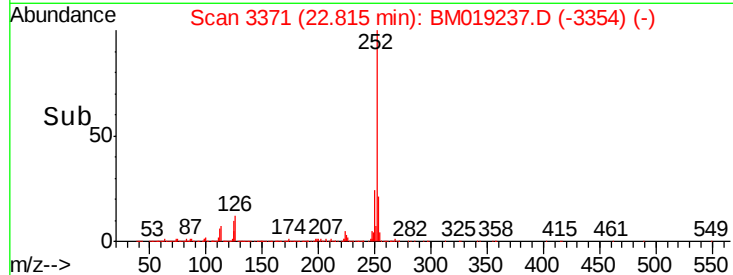
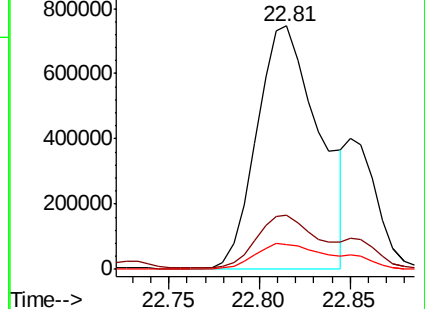
125 10.3 7.7 11.5



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: 30.836 ng

RT: 22.81 min Scan# 3371

Delta R.T. -0.04 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

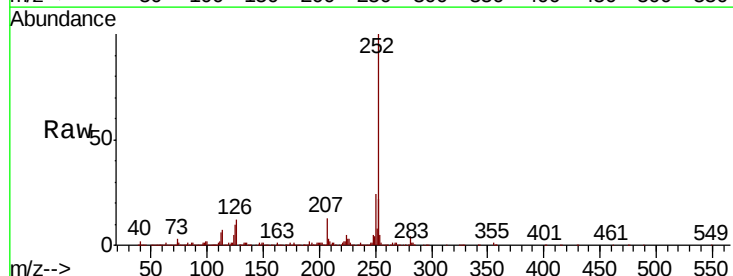
Tgt Ion:252 Resp: 1777257

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

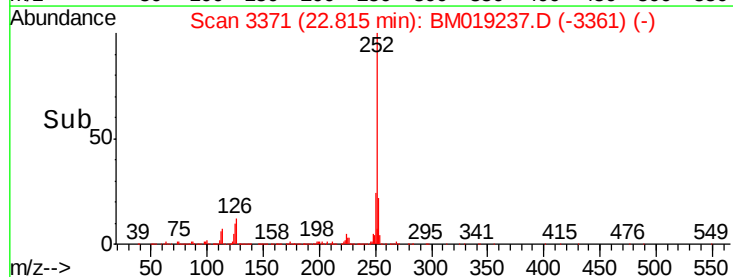
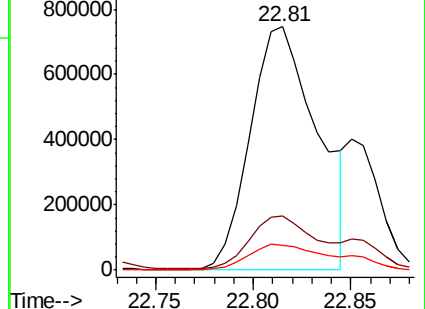
125 10.3 8.2 12.2

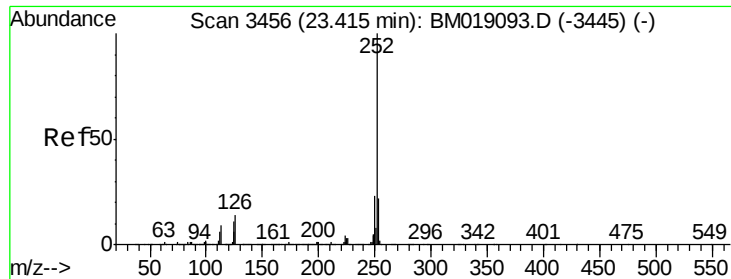


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

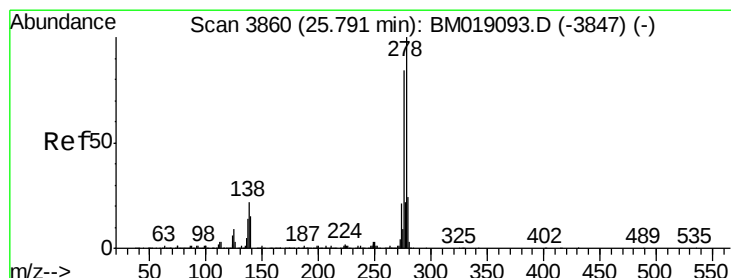
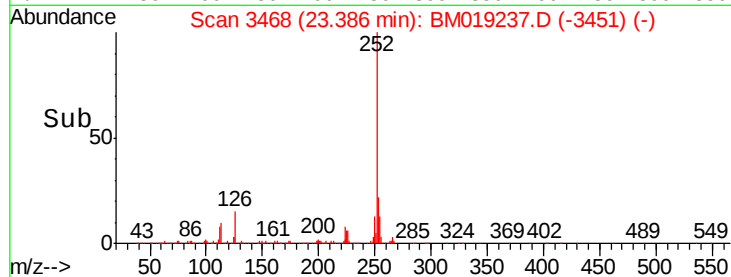
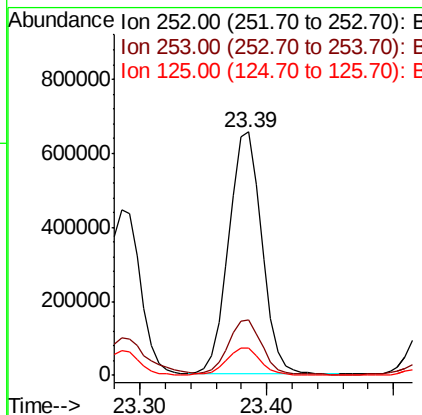
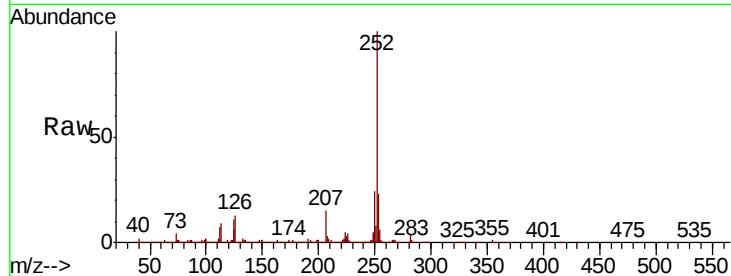




#90
Benzo(a)pyrene
Concen: 20.950 ng
RT: 23.39 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

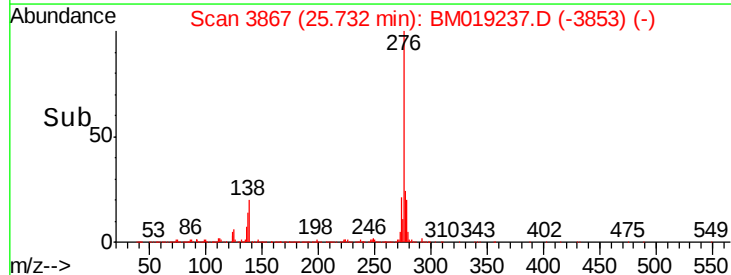
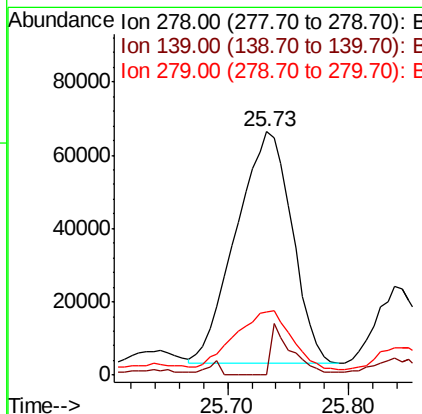
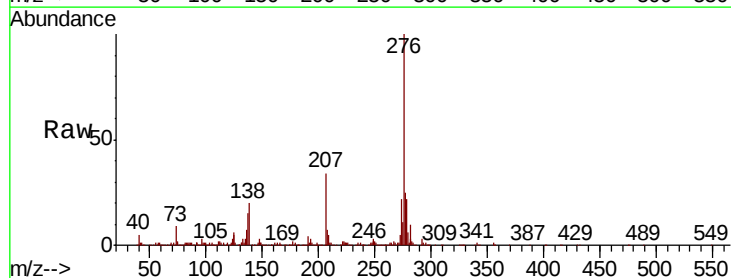
Instrument :
BNA_M
ClientSampleId :

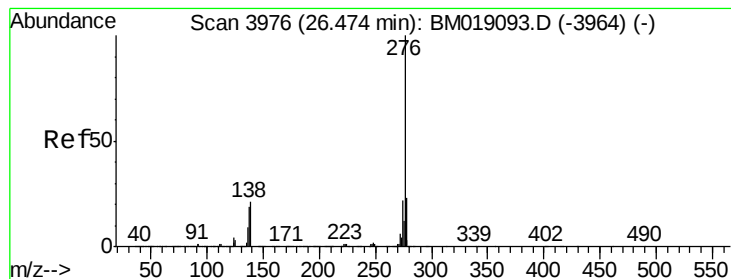
Tot Ion:252 Resp: 1179748
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.2 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 3.762 ng
RT: 25.73 min Scan# 3867
Delta R.T. -0.02 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion:278 Resp: 202676
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 26.0 19.0 28.4





#92

Benzo(a,h,i)perylene

Concen: 16.596 ng

RT: 26.43 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampleId :

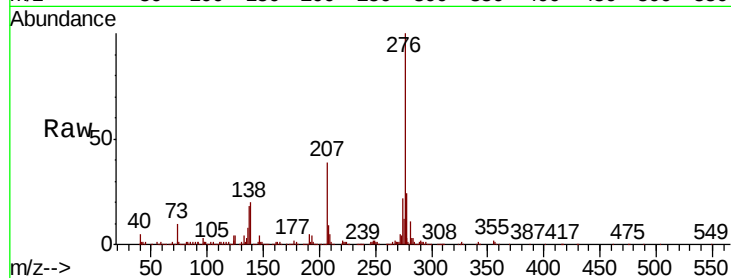
Tot Ion:276 Resp: 820780

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 19.6 16.1 24.1



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

