

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031519\
 Data File : BM019189.D
 Acq On : 15 Mar 2019 16:50
 Operator : JU/SJ
 Sample : K1908-03 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 101-102

Quant Time: Mar 16 01:34:54 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

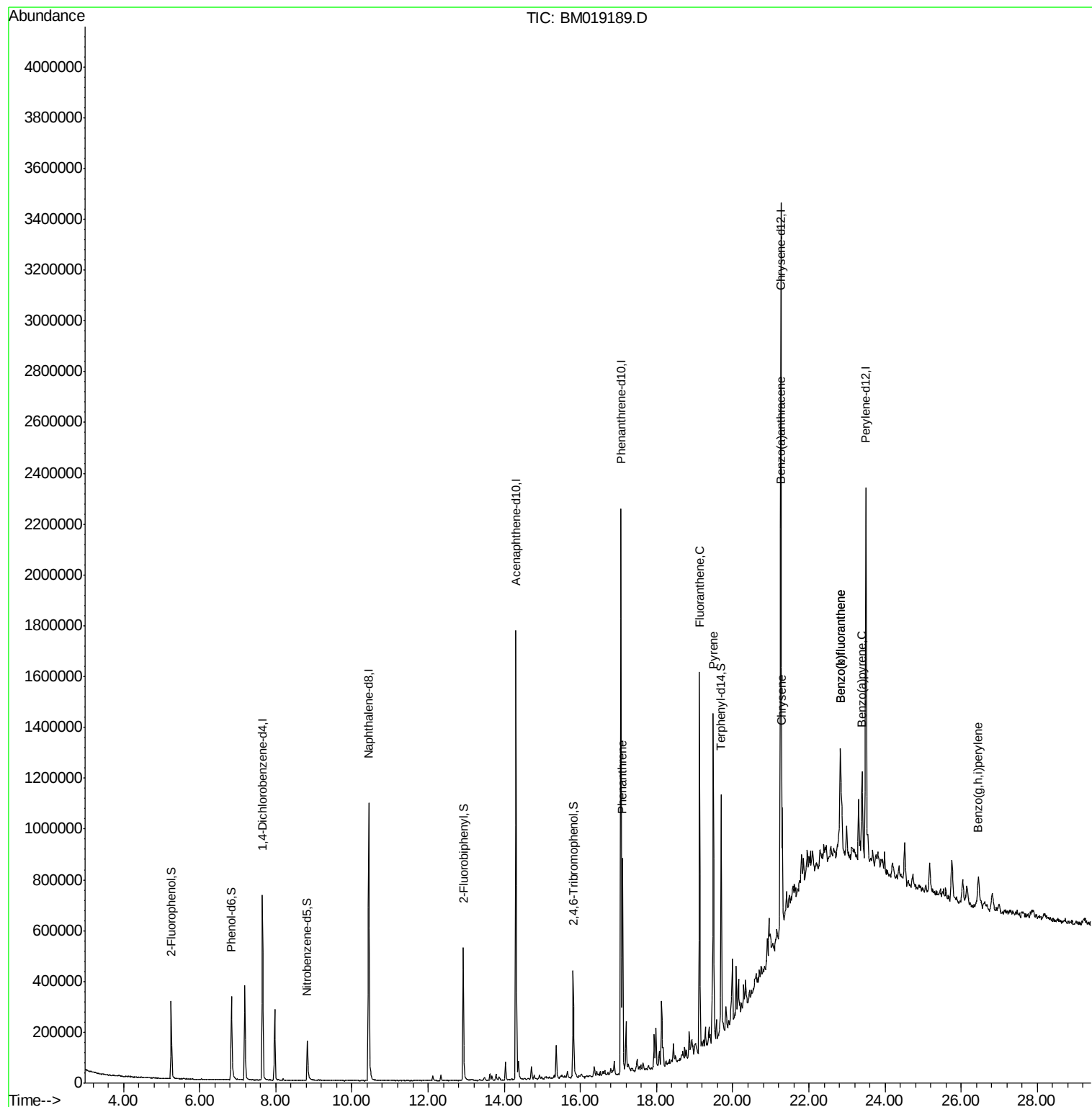
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	199772	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	934990	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	562784	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1243003	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1159041	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1032755	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	147719	11.98	ng	0.00
7) Phenol-d6	6.83	99	220314	12.21	ng	-0.01
23) Nitrobenzene-d5	8.83	82	127746	6.46	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	81645	9.83	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	293239	6.78	ng	-0.01
79) Terphenyl-d14	19.70	244	427835	7.33	ng	-0.01
Target Compounds				Qvalue		
71) Phenanthrene	17.10	178	482592	6.624	ng	100
75) Fluoranthene	19.13	202	811135	9.702	ng	99
78) Pyrene	19.49	202	747422	10.192	ng	100
81) Benzo(a)anthracene	21.24	228	339699	4.672	ng	98
83) Chrysene	21.30	228	301019	4.279	ng	97
88) Benzo(b)fluoranthene	22.83	252	459582	6.868	ng	# 94
89) Benzo(k)fluoranthene	22.83	252	463777	7.535	ng	95
90) Benzo(a)pyrene	23.40	252	245561	4.083	ng	94
92) Benzo(g,h,i)perylene	26.45	276	137267	2.599	ng	97

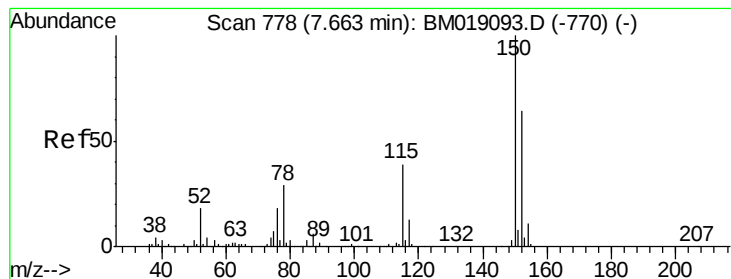
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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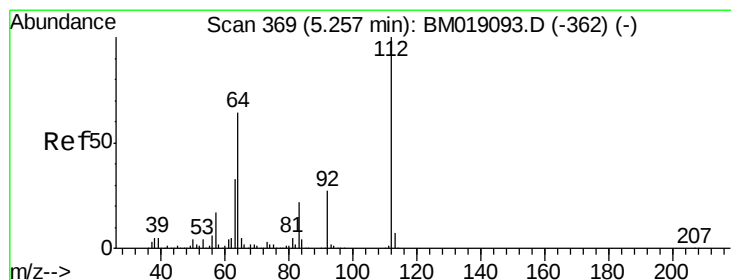
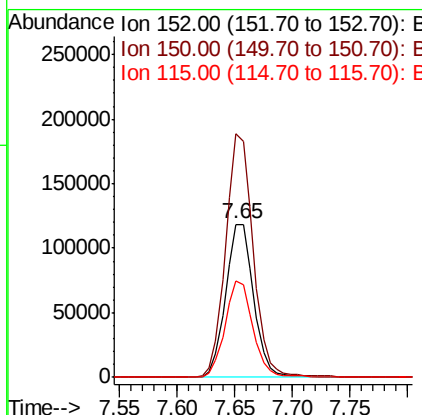
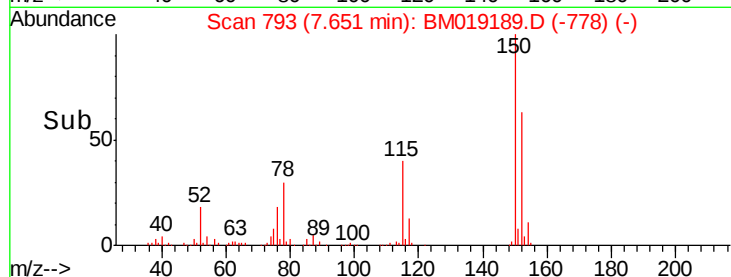
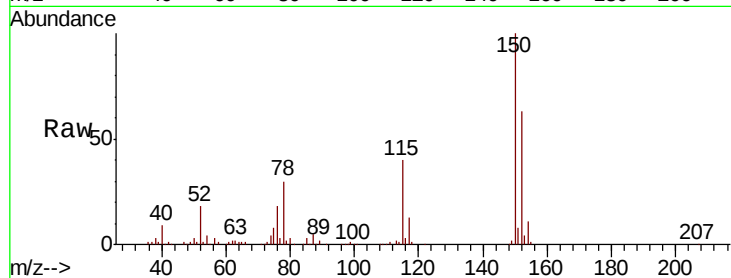


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Instrument :
BNA_M
ClientSampleId :
101-102

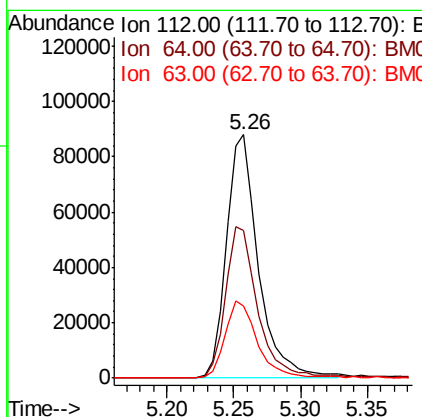
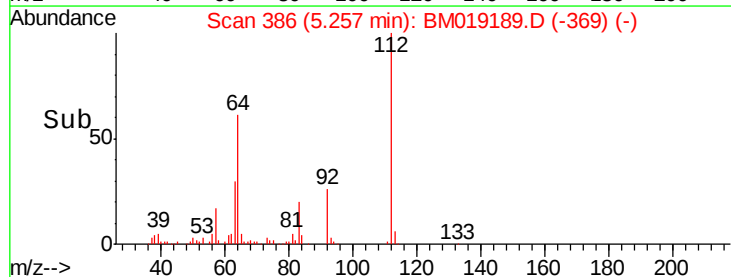
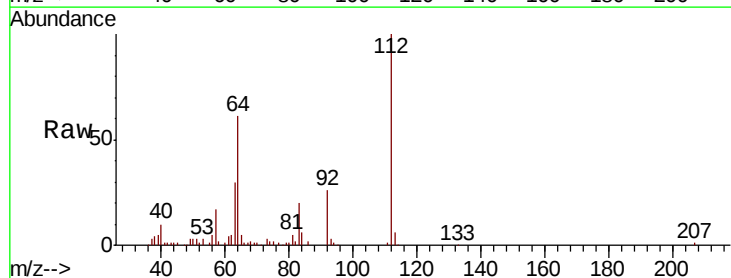
Tgt Ion:152 Resp: 199772
Ion Ratio Lower Upper
152 100
150 159.3 125.3 187.9
115 63.3 49.4 74.0

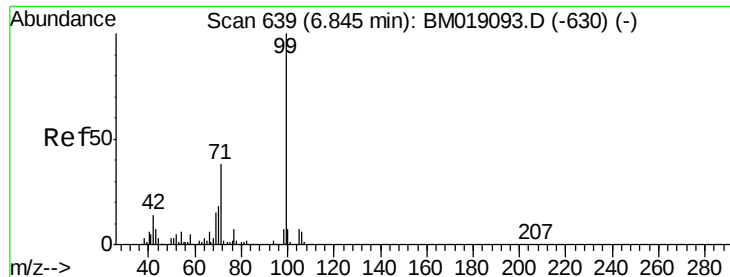


#5

2-Fluorophenol
Concen: 11.975 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Tgt Ion:112 Resp: 147719
Ion Ratio Lower Upper
112 100
64 60.6 51.4 77.0
63 29.5 26.6 40.0





#7

Phenol-d6

Concen: 12.210 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Instrument :

BNA_M

ClientSampleId :

101-102

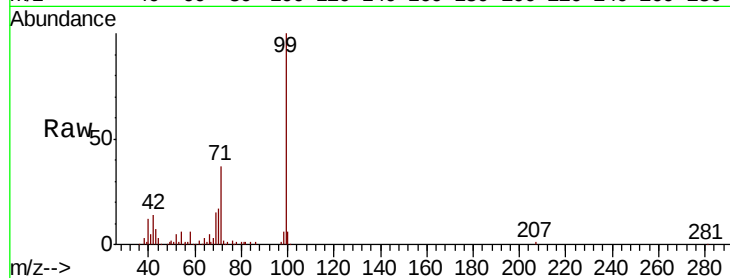
Tgt Ion: 99 Resp: 220314

Ion Ratio Lower Upper

99 100

42 13.7 10.9 16.3

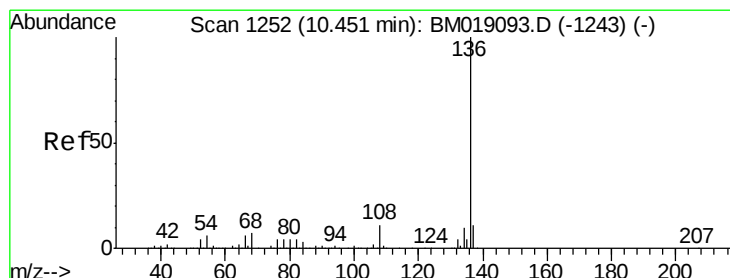
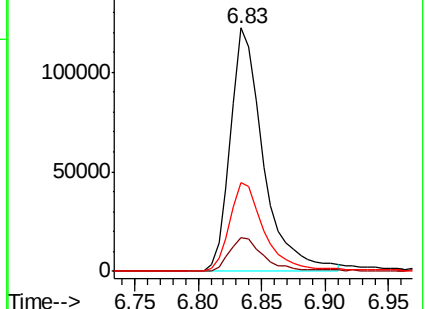
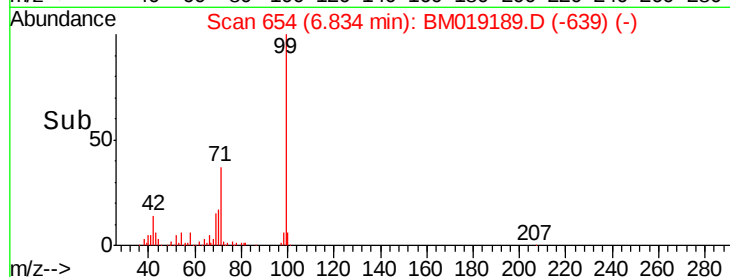
71 36.7 30.3 45.5



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: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Tgt Ion: 136 Resp: 934990

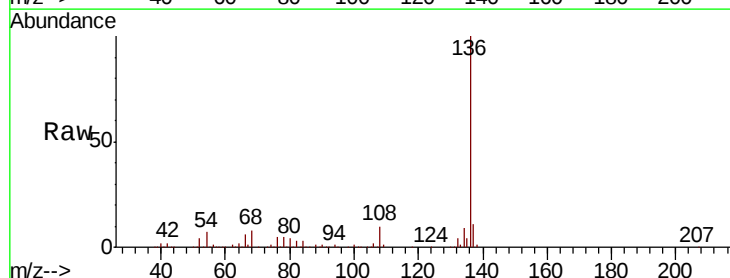
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 6.6 5.2 7.8

68 7.5 5.8 8.8

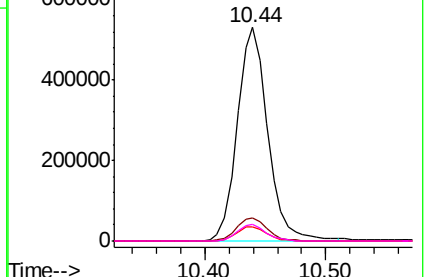
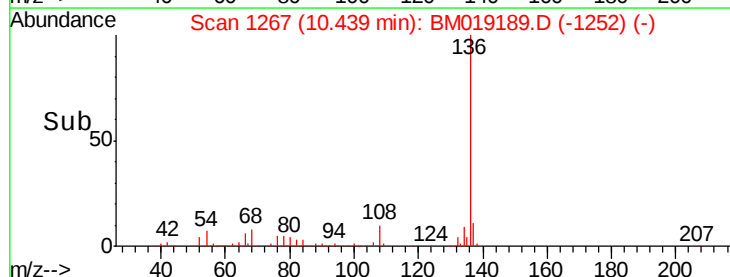


Abundance Ion 136.00 (135.70 to 136.70): BM019093.D (-1243) (-)

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) (-)

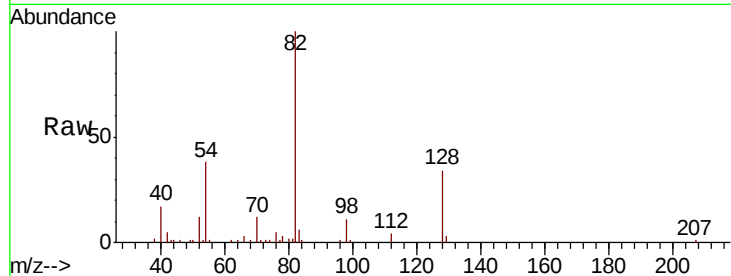




#23
Nitrobenzene-d5
Concen: 6.458 ng
RT: 8.83 min Scan# 993
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Instrument :
BNA_M
ClientSampleId :
101-102

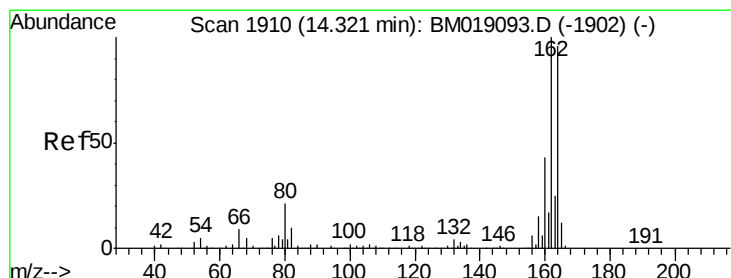
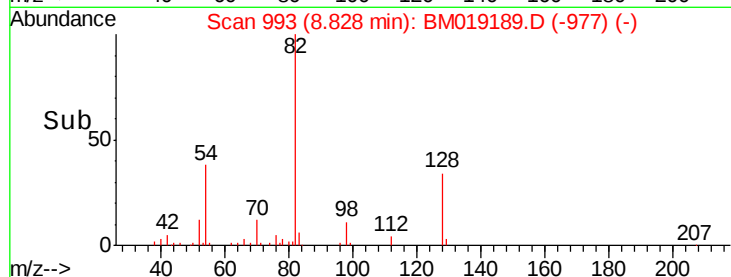
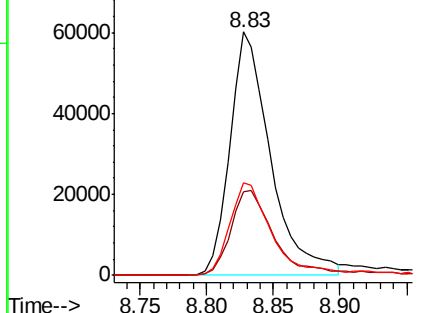
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.4	44.2
54	37.9	29.9	44.9



Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-968) (-)

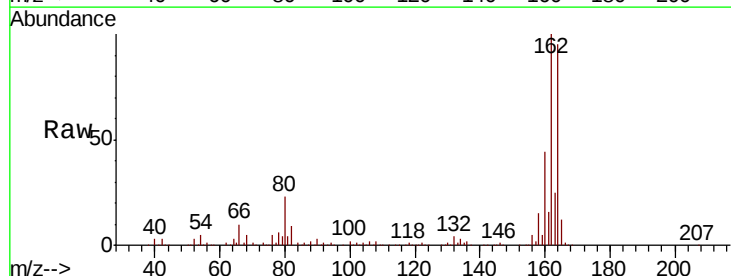
Ion 128.00 (127.70 to 128.70): BM019093.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM019093.D (-968) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

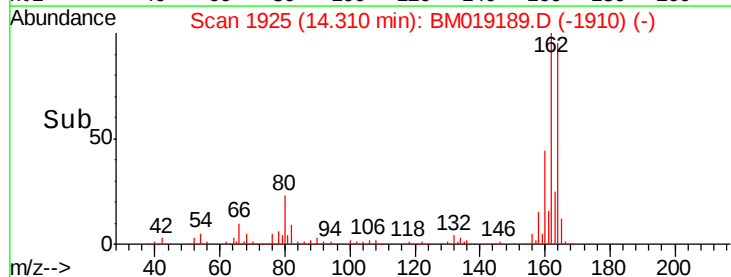
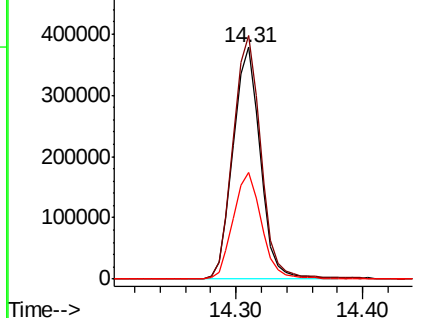
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.5	125.3
160	45.8	36.3	54.5

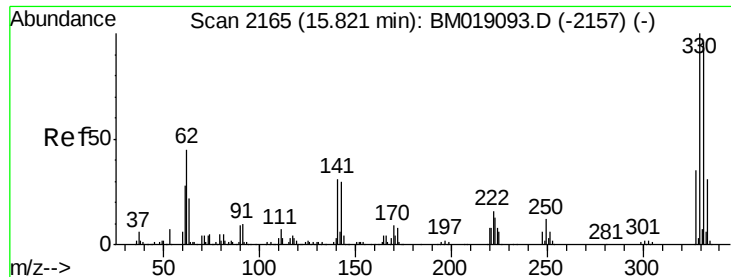


Abundance Ion 164.00 (163.70 to 164.70): BM019093.D (-1902) (-)

Ion 162.00 (161.70 to 162.70): BM019093.D (-1902) (-)

Ion 160.00 (159.70 to 160.70): BM019093.D (-1902) (-)





#42

2,4,6-Tribromophenol

Concen: 9.826 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Instrument :

BNA_M

ClientSampleId :

101-102

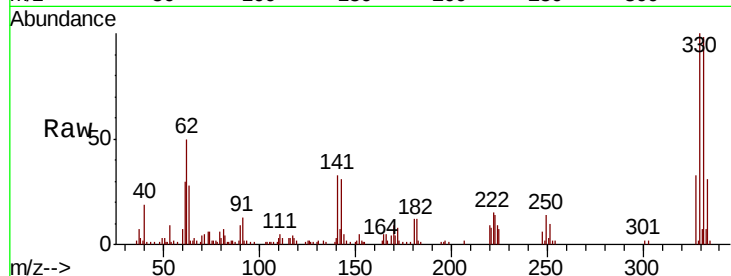
Tgt Ion:330 Resp: 81645

Ion Ratio Lower Upper

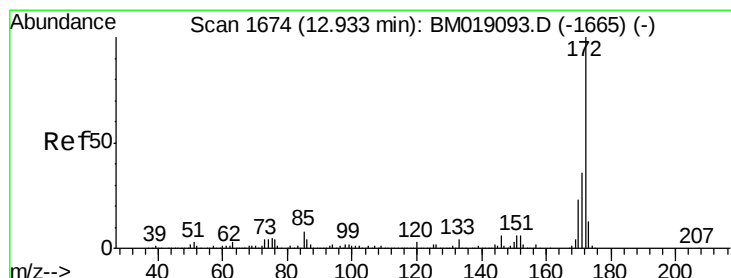
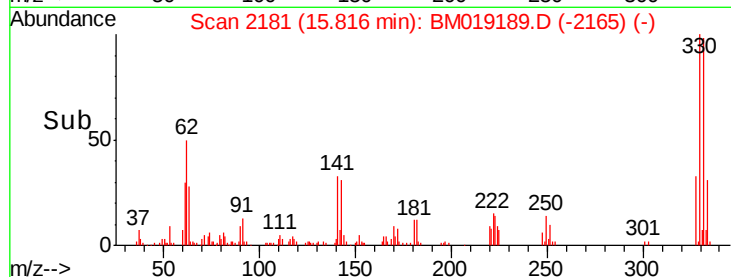
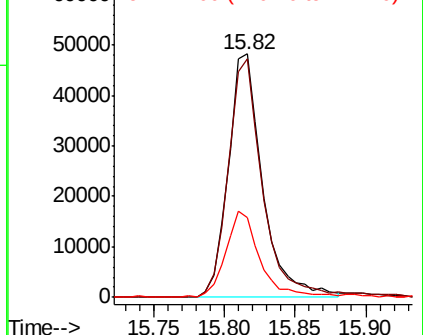
330 100

332 97.8 76.8 115.2

141 35.6 27.0 40.4



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: 6.778 ng

RT: 12.92 min Scan# 1689

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

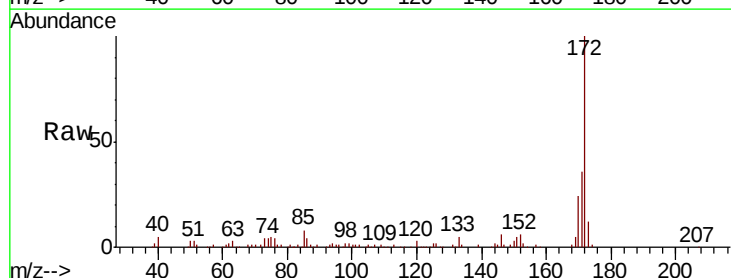
Tgt Ion:172 Resp: 293239

Ion Ratio Lower Upper

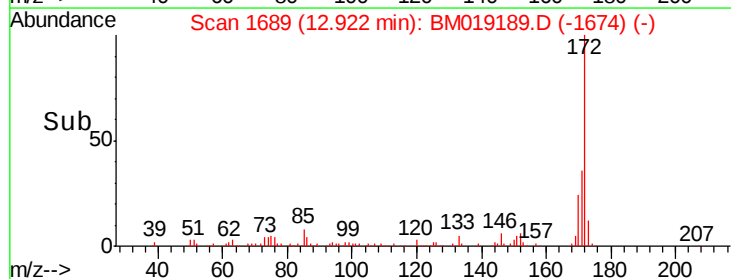
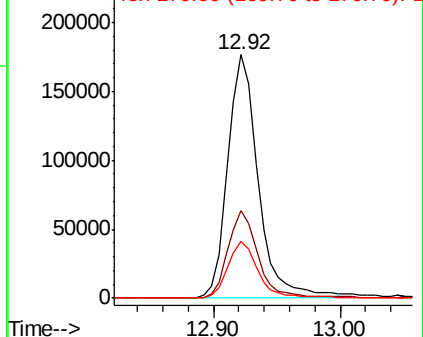
172 100

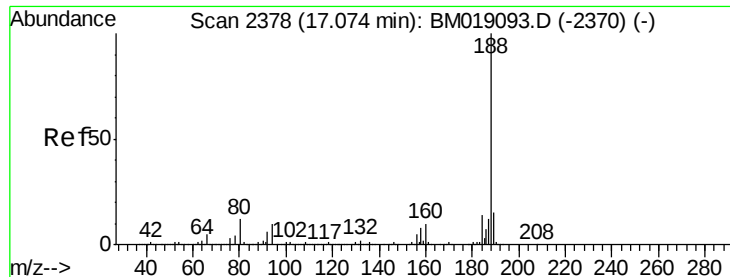
171 36.1 28.6 42.8

170 23.5 18.6 28.0



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

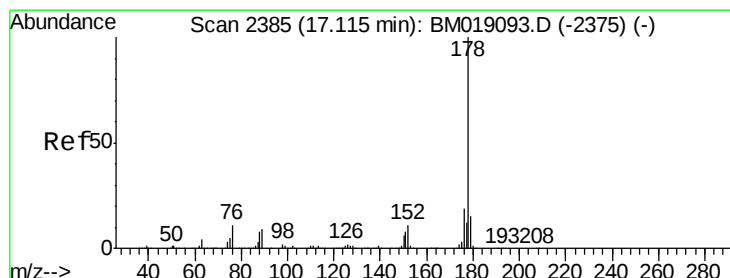
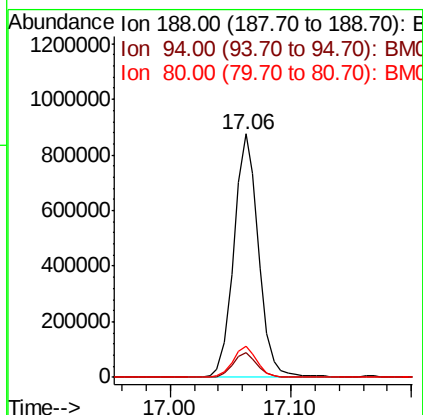
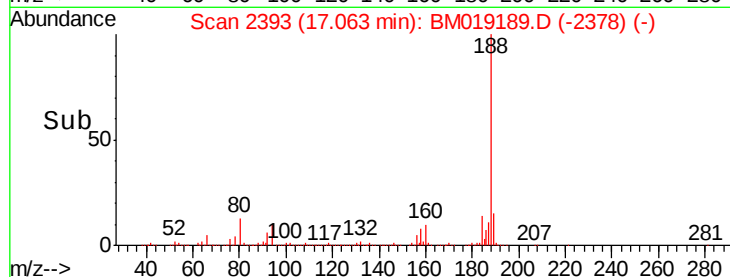
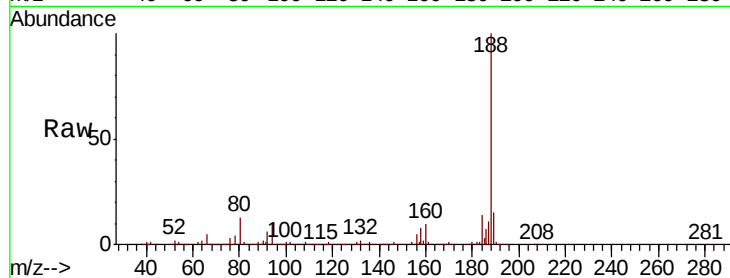




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

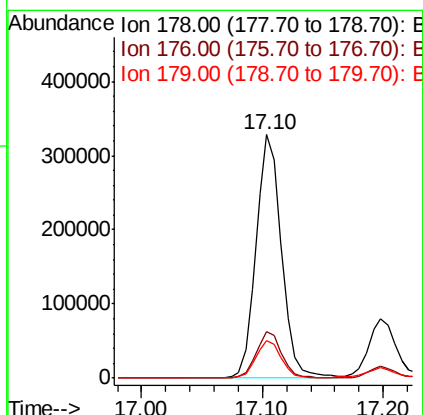
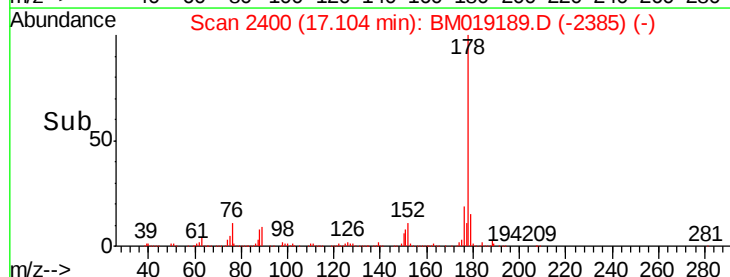
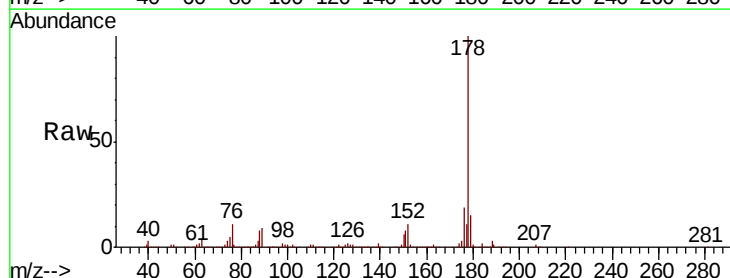
Instrument :
BNA_M
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101-102

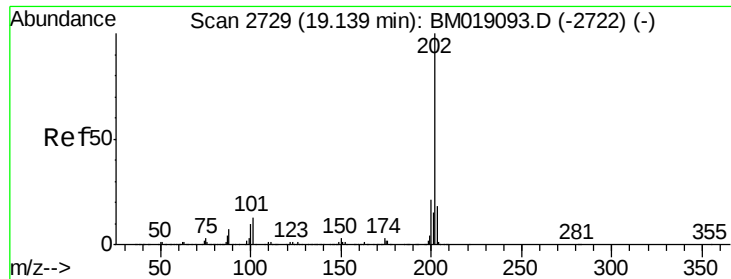
Tgt Ion:188 Resp: 1243003
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 12.6 9.7 14.5



#71
Phenanthrene
Concen: 6.624 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Tgt Ion:178 Resp: 482592
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.2 18.2





#75

Fluoranthene

Concen: 9.702 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

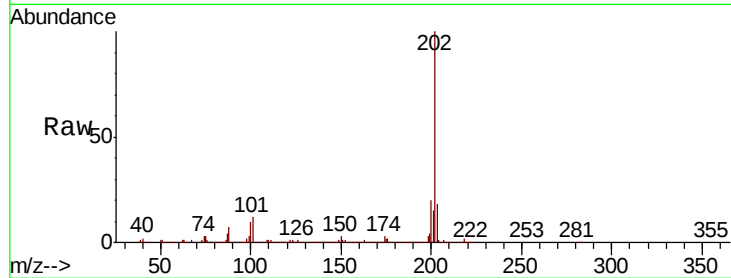
Instrument :

BNA_M

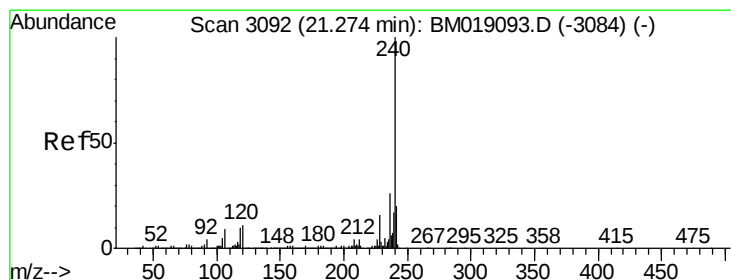
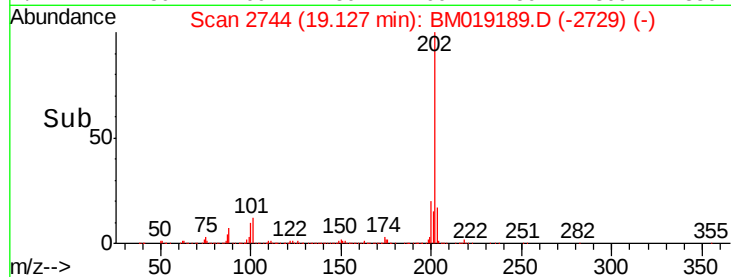
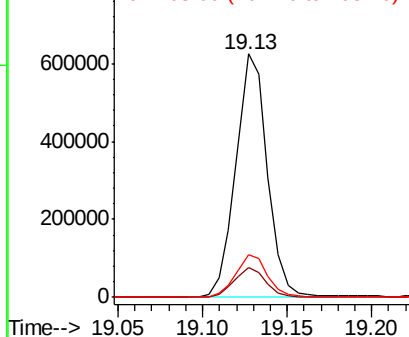
ClientSampleId :

101-102

Tgt Ion:	202	Resp:	811135
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.0
203	17.6	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

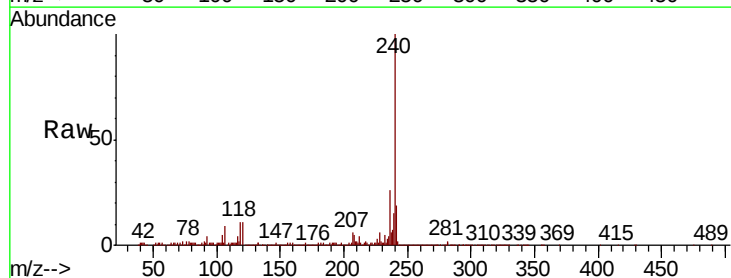
RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

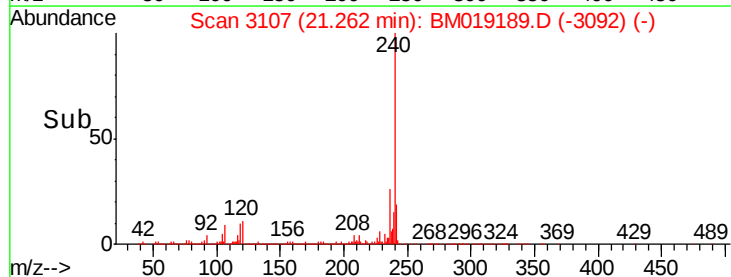
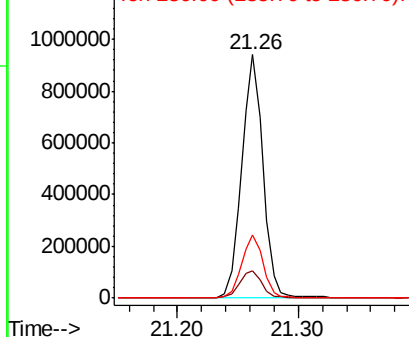
Lab File: BM019189.D

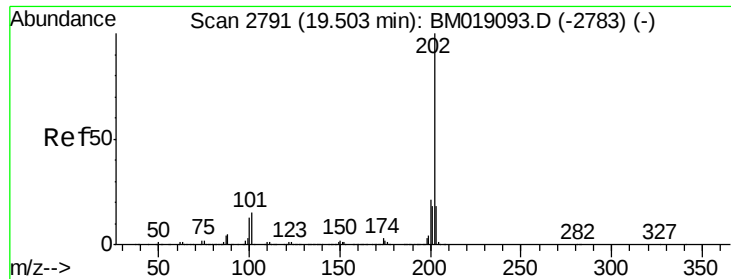
Acq: 15 Mar 2019 16:50

Tgt Ion:	240	Resp:	1159041
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.0	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

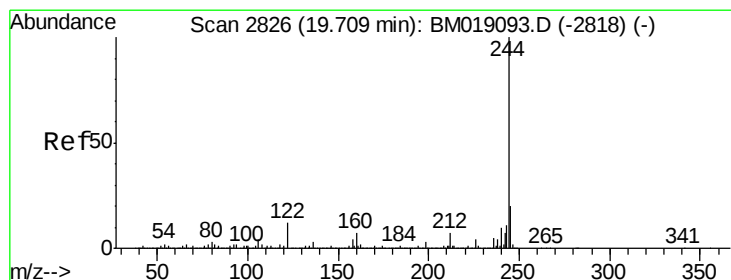
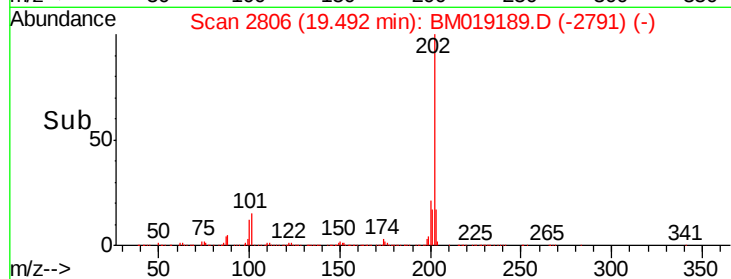
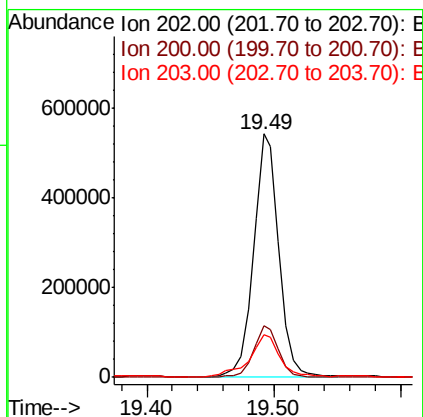
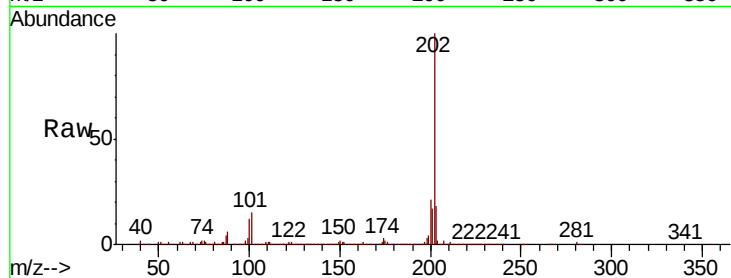




#78
Pyrene
Concen: 10.192 ng
RT: 19.49 min Scan# 2806
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

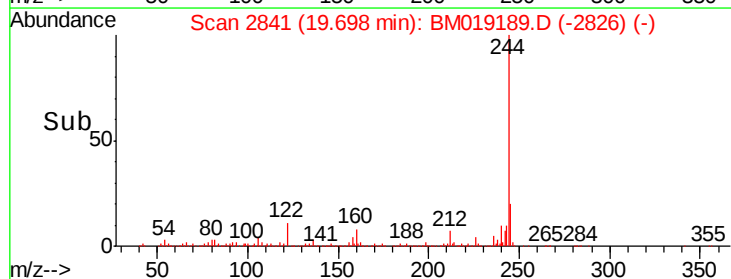
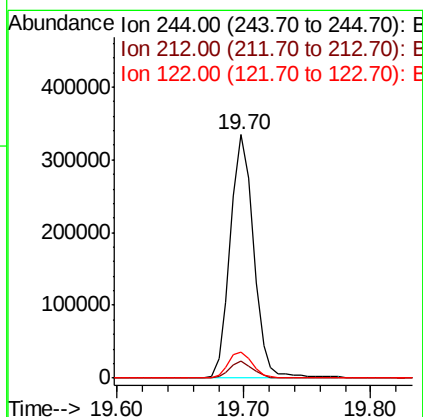
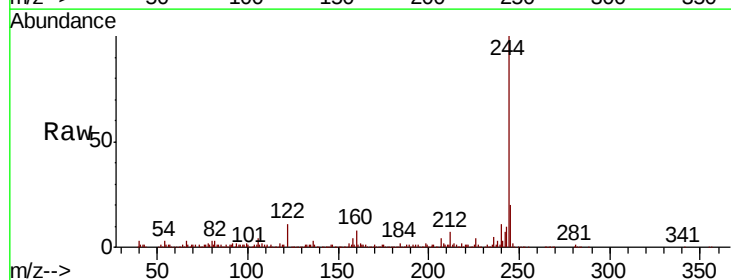
Instrument :
BNA_M
ClientSampleId :
101-102

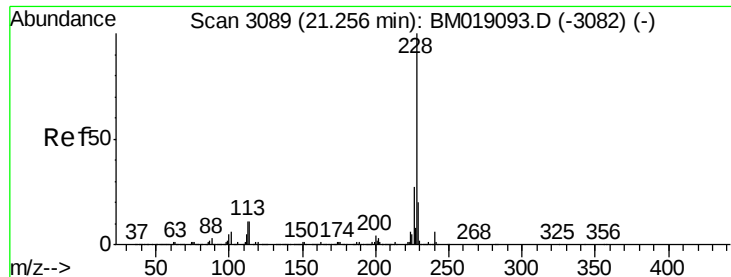
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.0	21.0



#79
Terphenyl-d14
Concen: 7.328 ng
RT: 19.70 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.7	9.4	14.2

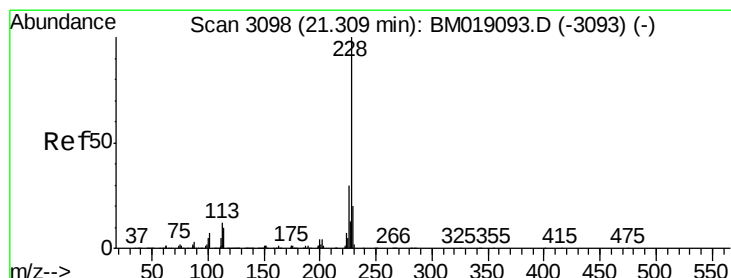
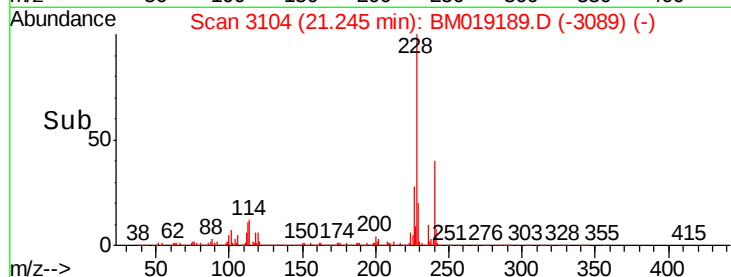
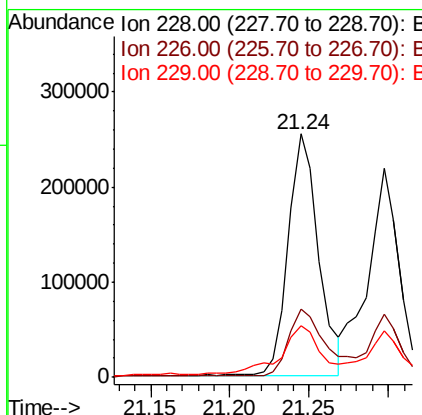
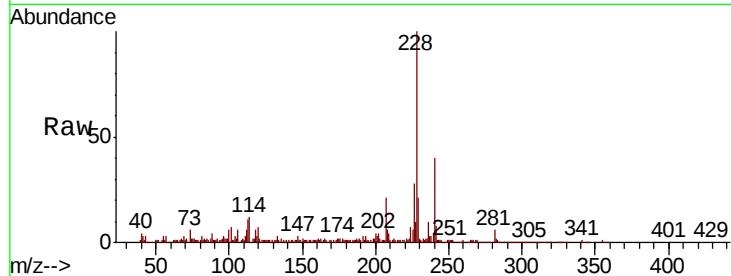




#81
Benzo(a)anthracene
Concen: 4.672 ng
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

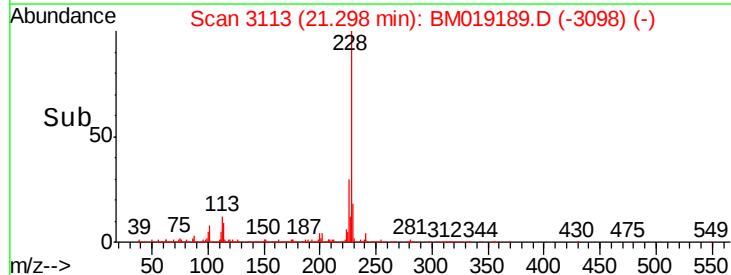
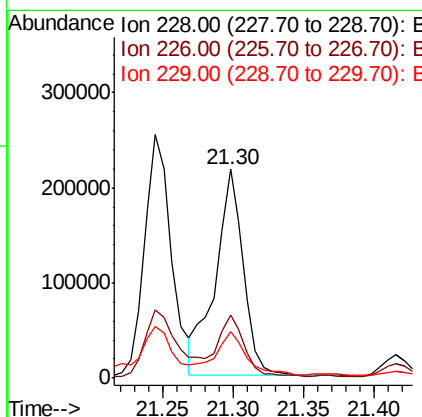
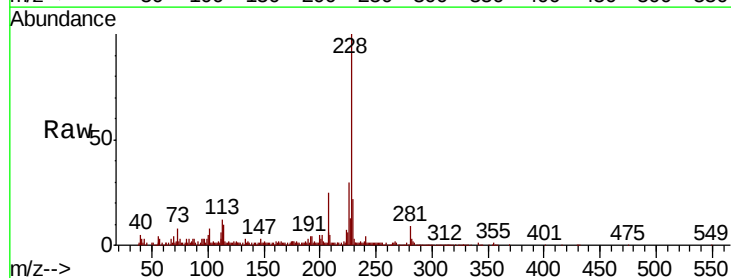
Instrument :
BNA_M
ClientSampleId :
101-102

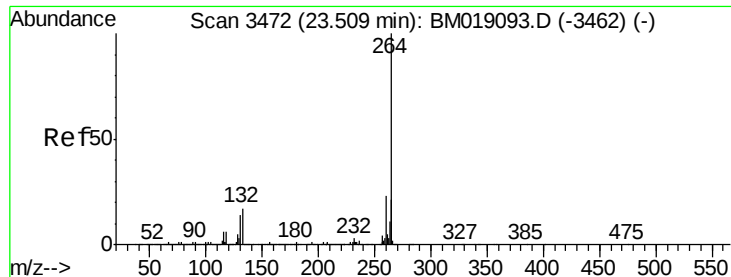
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	21.4	15.8	23.6



#83
Chrysene
Concen: 4.279 ng
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM019189.D
Acq: 15 Mar 2019 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	22.0	15.7	23.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Instrument :

BNA_M

ClientSampleId :

101-102

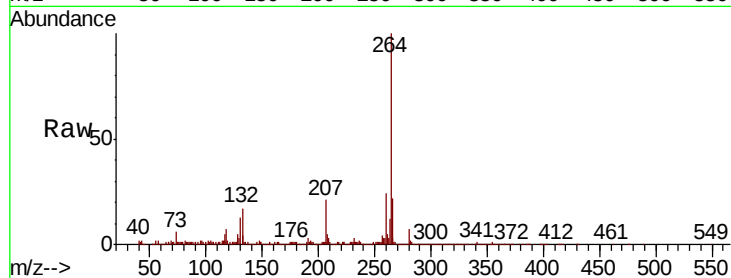
Tgt Ion:264 Resp: 1032755

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

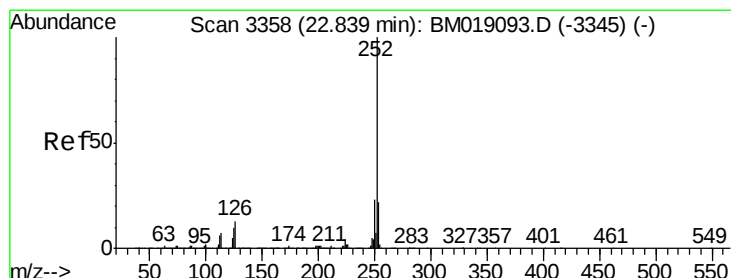
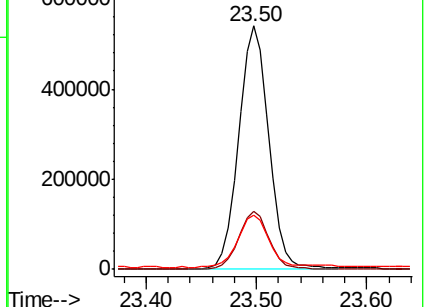
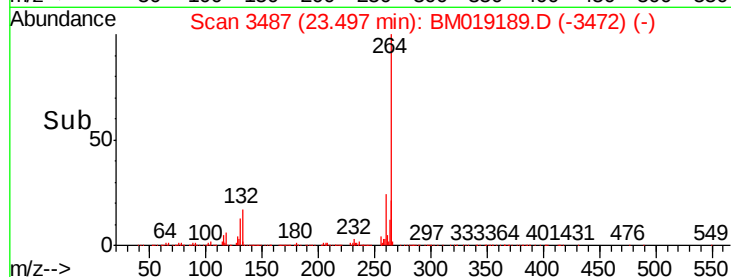
265 22.0 17.3 25.9



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: 6.868 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

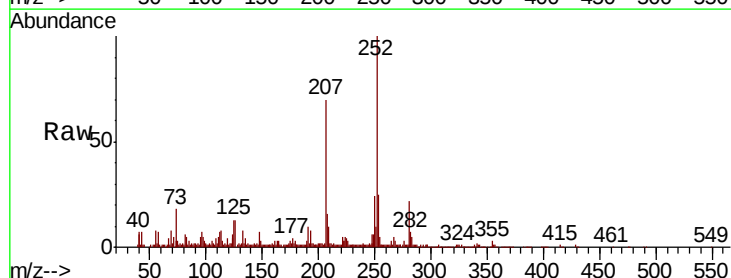
Tgt Ion:252 Resp: 459582

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

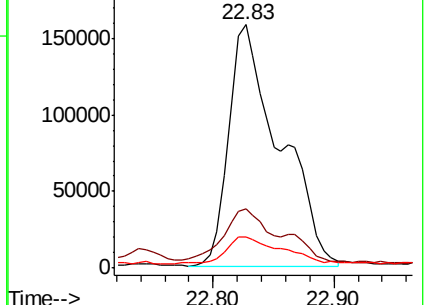
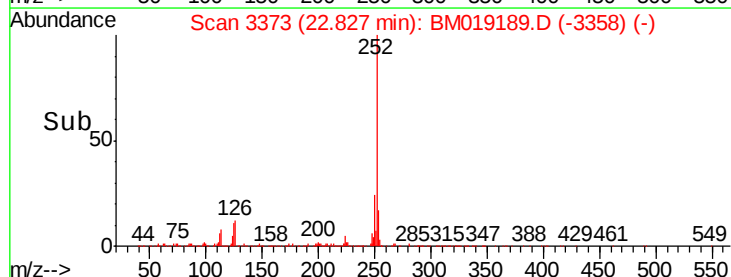
125 12.8 8.1 12.1#

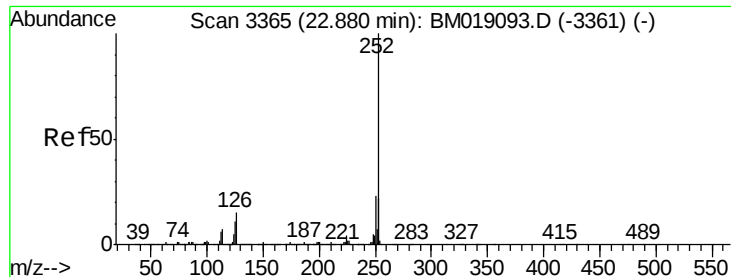


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.535 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

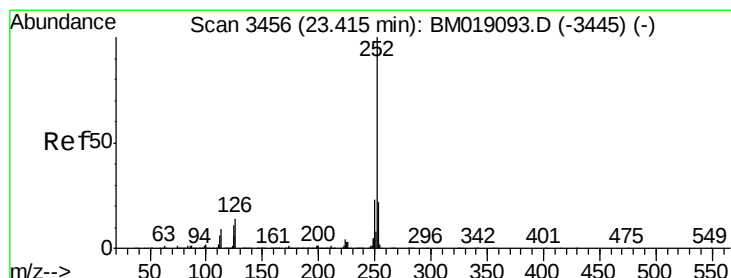
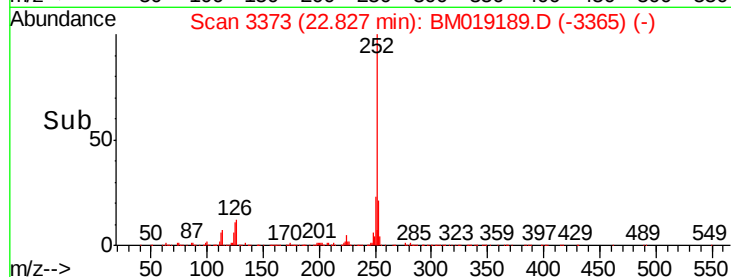
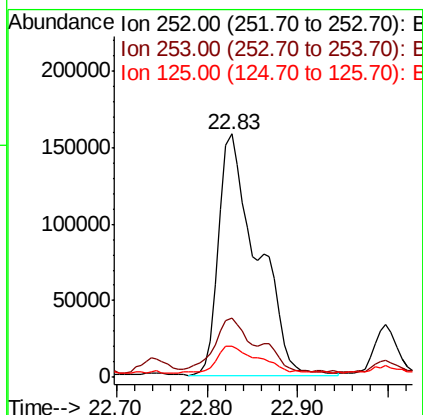
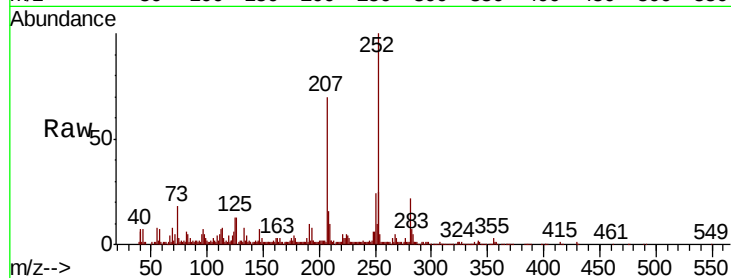
Instrument :

BNA_M

ClientSampleId :

101-102

Tgt Ion:	252	Resp:	463777
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	12.8	8.8	13.2



#90

Benzo(a)pyrene

Concen: 4.083 ng

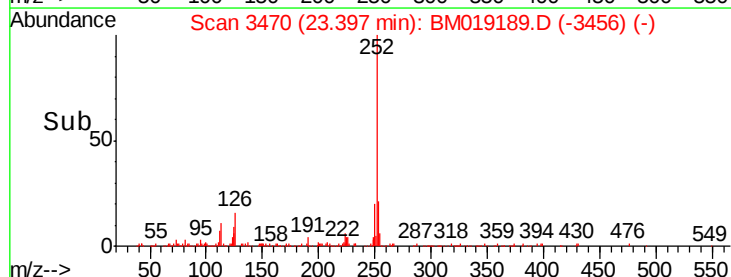
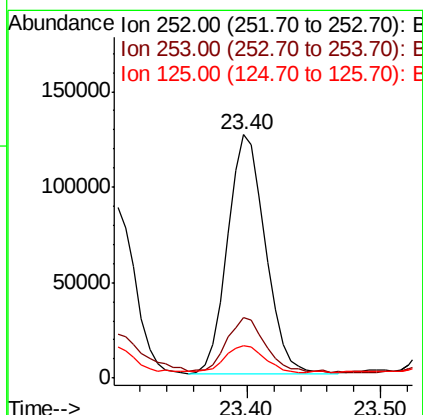
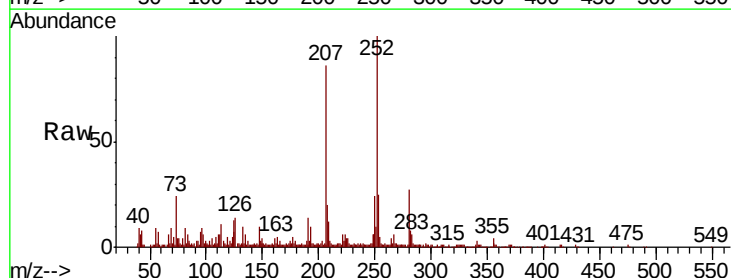
RT: 23.40 min Scan# 3470

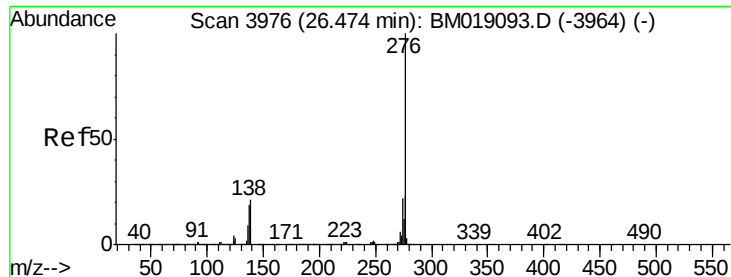
Delta R.T. -0.02 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Tgt Ion:	252	Resp:	245561
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.2
125	13.2	9.2	13.8





#92

Benzo(g,h,i)perylene

Concen: 2.599 ng

RT: 26.45 min Scan# 3989

Delta R.T. -0.02 min

Lab File: BM019189.D

Acq: 15 Mar 2019 16:50

Instrument :

BNA_M

ClientSampleId :

101-102

Tgt Ion: 276 Resp: 137267

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 22.4 17.0 25.4

