

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022619\
 Data File : BM018943.D
 Acq On : 26 Feb 2019 23:27
 Operator : JU/SJ
 Sample : K1597-03DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

Quant Time: Feb 27 00:05:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	327275	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1236894	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	568601	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1049134	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1083427	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1221321	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	185362	9.28	ng	-0.02
7) Phenol-d6	6.87	99	253867	9.02	ng	-0.02
23) Nitrobenzene-d5	8.86	82	158454	5.92	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	54803	6.69	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	258571	6.04	ng	-0.02
79) Terphenyl-d14	19.73	244	302254	5.76	ng	-0.02

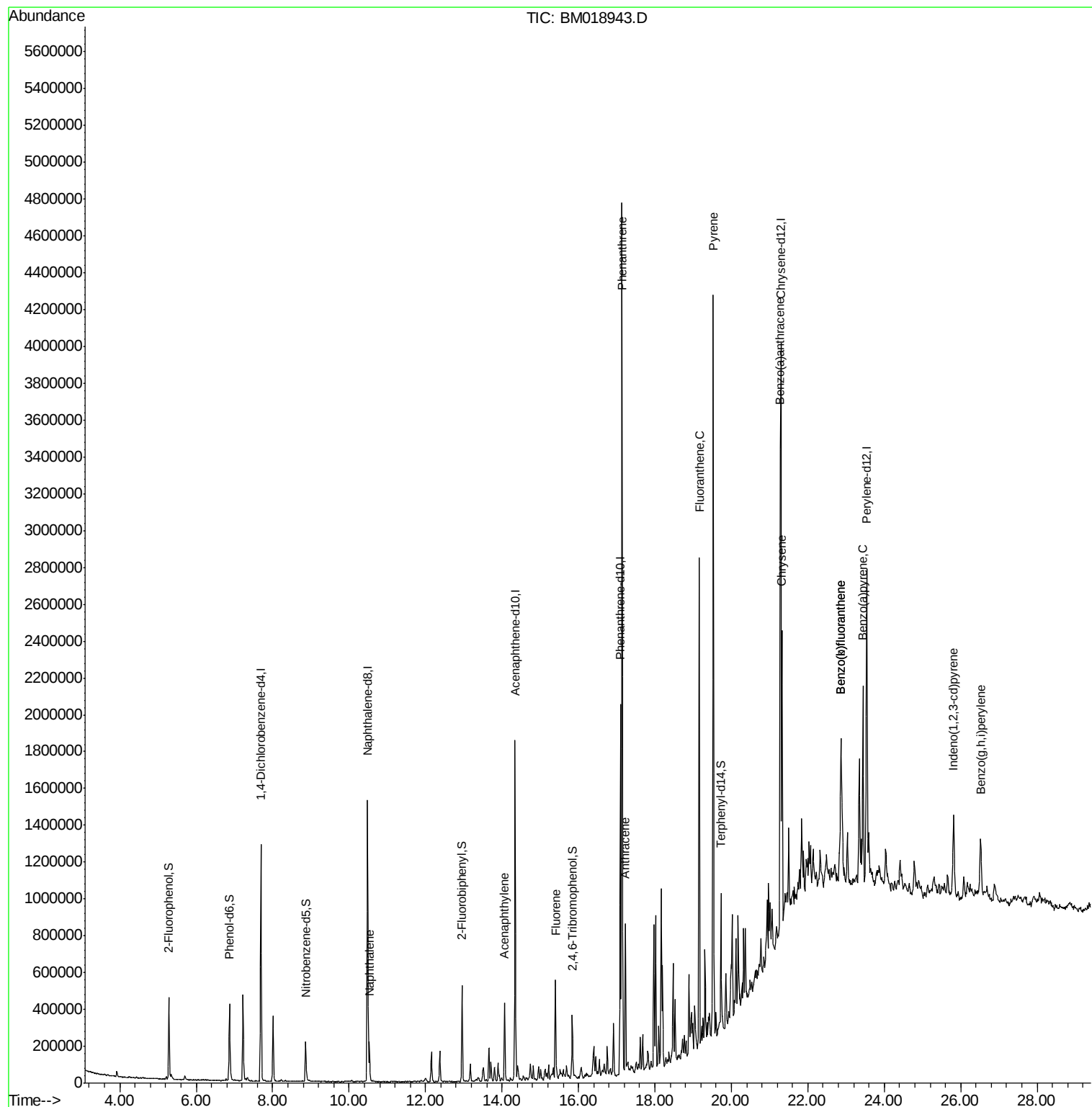
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.87	77	1503	Below Cal		# 34
31) Naphthalene	10.53	128	169869	2.816	ng	99
49) Acenaphthylene	14.06	152	276490	4.912	ng	99
58) Fluorene	15.40	166	236456	5.448	ng	99
71) Phenanthrene	17.14	178	2552191	45.266	ng	100
72) Anthracene	17.23	178	501184	9.133	ng	100
75) Fluoranthene	19.16	202	1462432	22.455	ng	99
78) Pyrene	19.53	202	2284438	36.305	ng	100
81) Benzo(a)anthracene	21.27	228	856054	13.555	ng	96
83) Chrysene	21.33	228	771966	12.753	ng	99
86) Indeno(1,2,3-cd)pyrene	25.81	276	363126	5.196	ng	95
88) Benzo(b)fluoranthene	22.86	252	944295	13.514	ng	98
89) Benzo(k)fluoranthene	22.86	252	948011	13.627	ng	# 98
90) Benzo(a)pyrene	23.44	252	685108	10.350	ng	98
92) Benzo(g,h,i)perylene	26.52	276	397071	6.503	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022619\
Data File : BM018943.D
Acq On : 26 Feb 2019 23:27
Operator : JU/SJ
Sample : K1597-03DL 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-26DL

Quant Time: Feb 27 00:05:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration



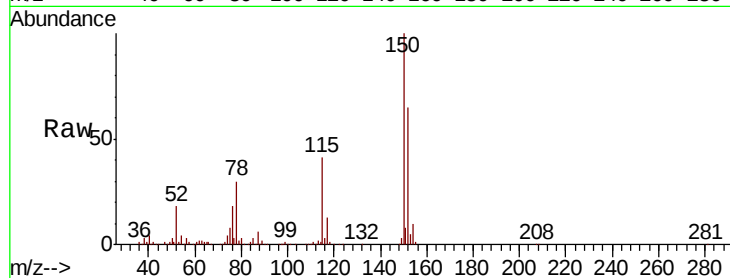


#1

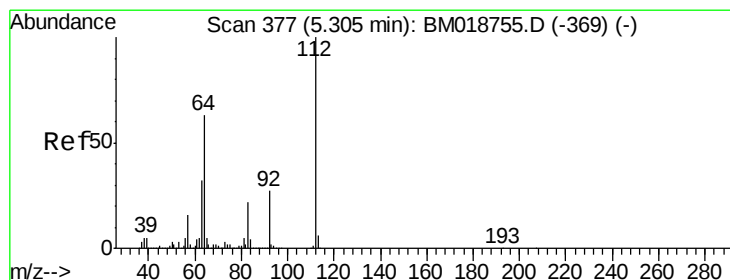
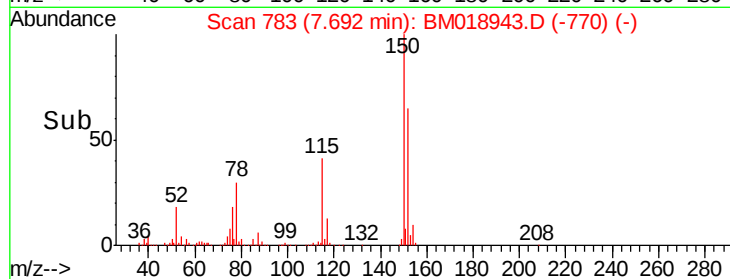
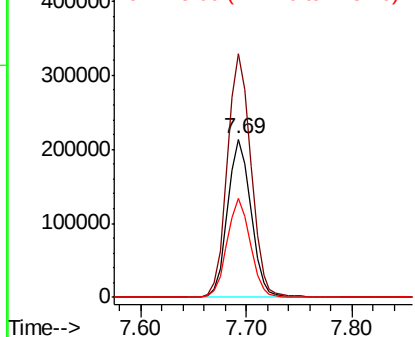
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampleId :
TP-26DL

Tgt Ion:152 Resp: 327275
Ion Ratio Lower Upper
152 100
150 154.2 127.3 190.9
115 62.8 50.8 76.2



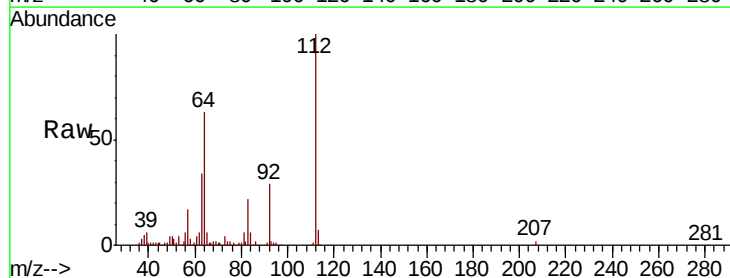
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



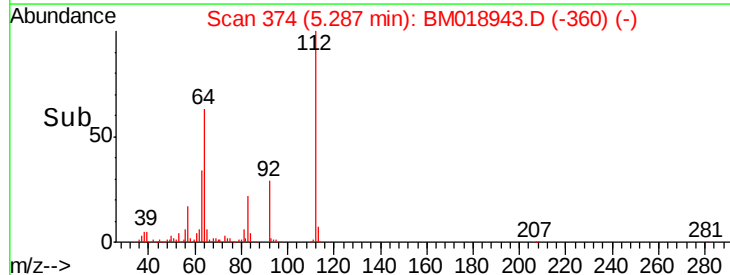
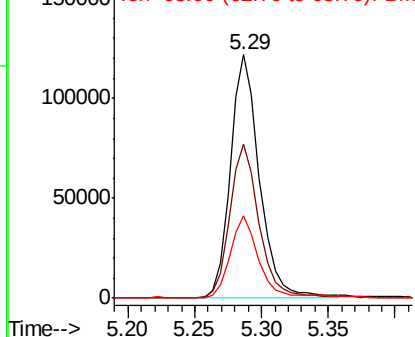
#5

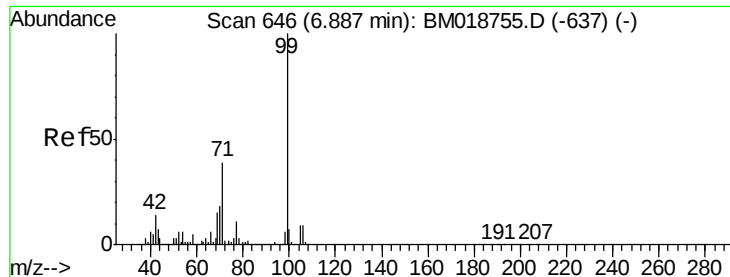
2-Fluorophenol
Concen: 9.280 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion:112 Resp: 185362
Ion Ratio Lower Upper
112 100
64 63.1 50.6 75.8
63 33.6 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: 9.022 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

ClientSampleId :

TP-26DL

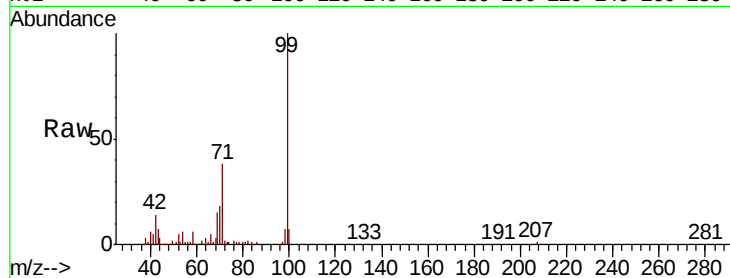
Tgt Ion: 99 Resp: 253867

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

71 37.7 31.3 46.9

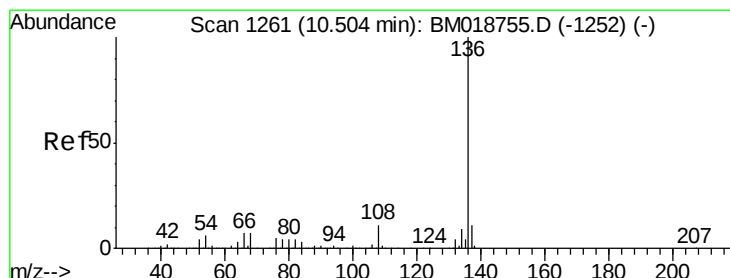
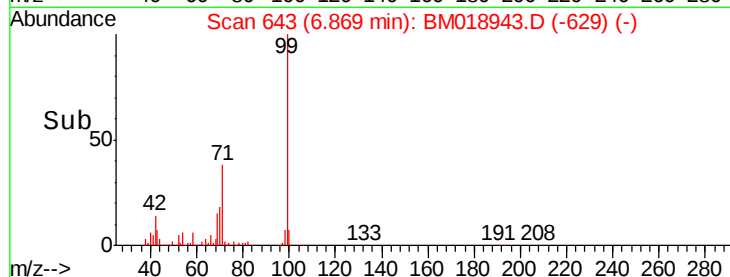
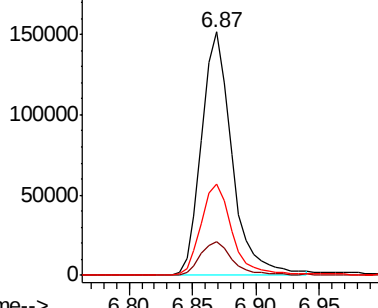


Abundance

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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Tgt Ion: 136 Resp: 1236894

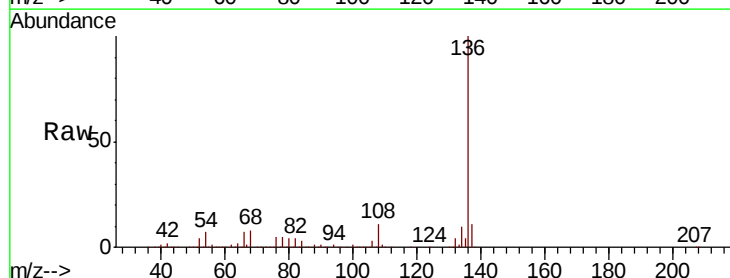
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.9 5.0 7.6

68 7.7 5.5 8.3



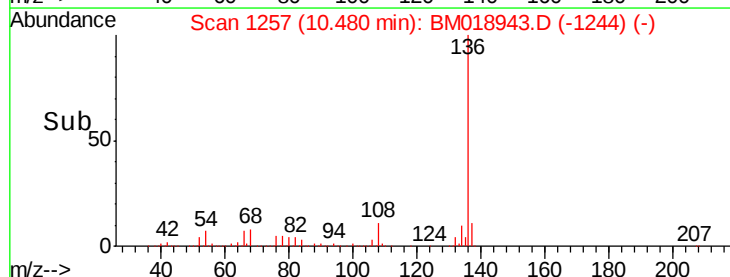
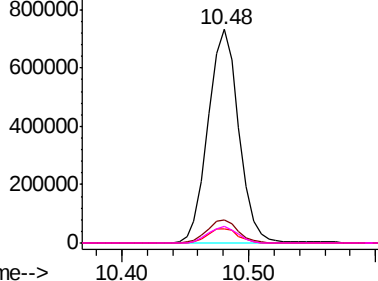
Abundance

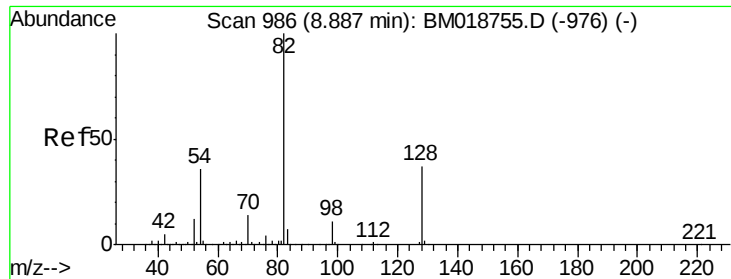
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

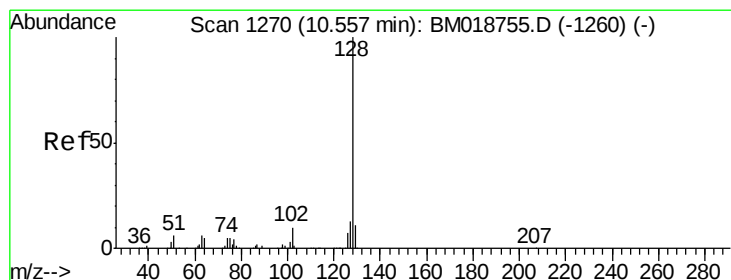
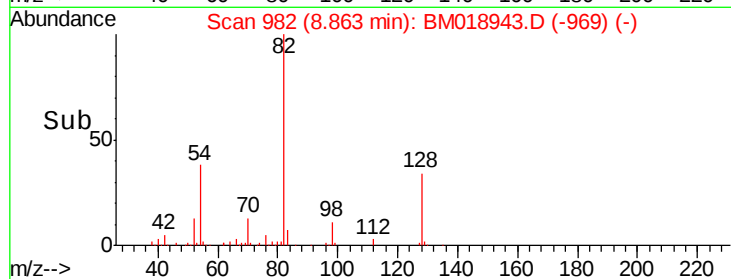
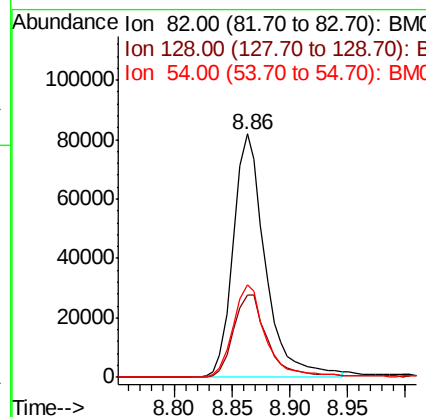
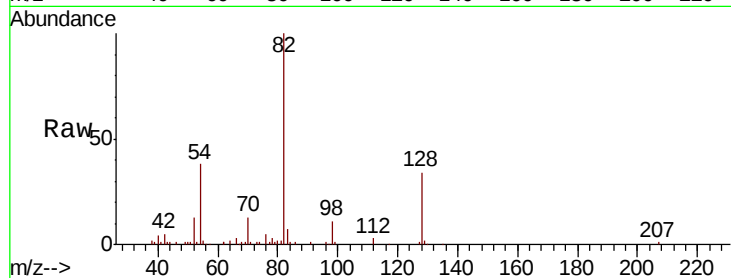




#23
 Nitrobenzene-d5
 Concen: 5.923 ng
 RT: 8.86 min Scan# 982
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

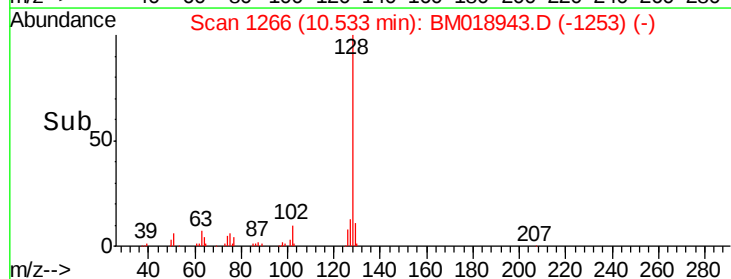
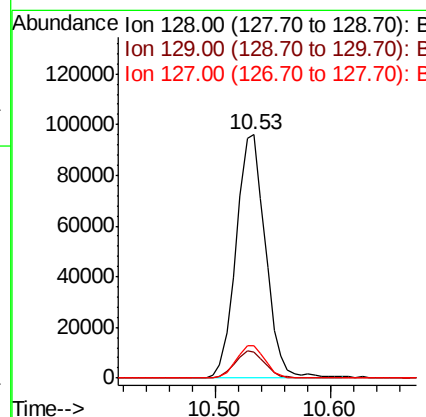
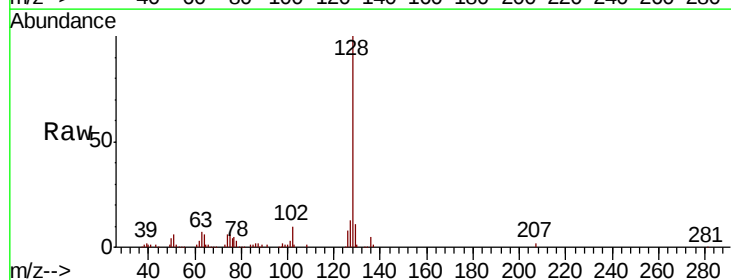
Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

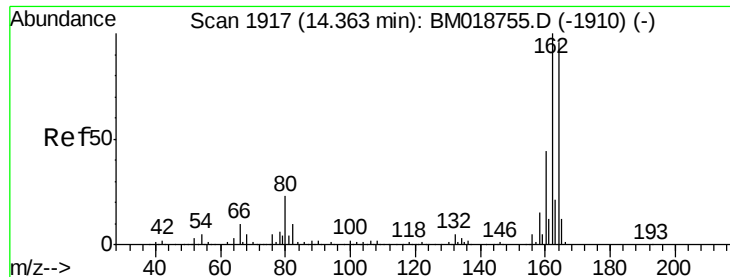
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.0	29.9	44.9
54	38.3	29.1	43.7



#31
 Naphthalene
 Concen: 2.816 ng
 RT: 10.53 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.4
127	13.3	10.7	16.1

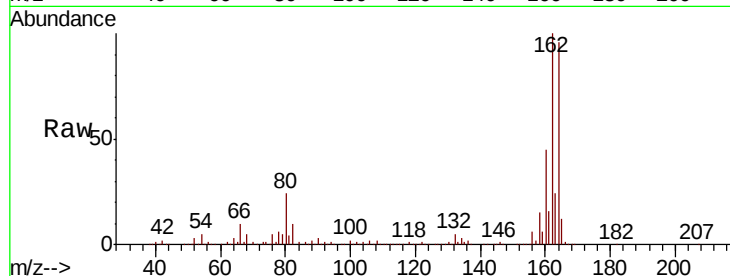




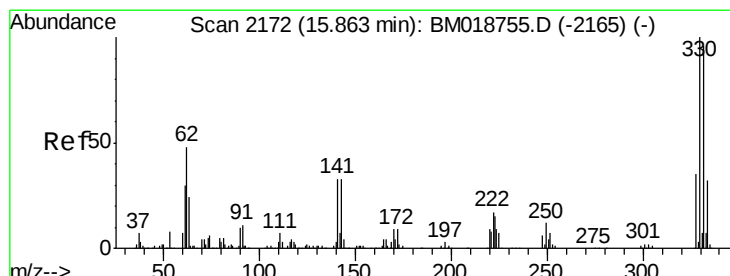
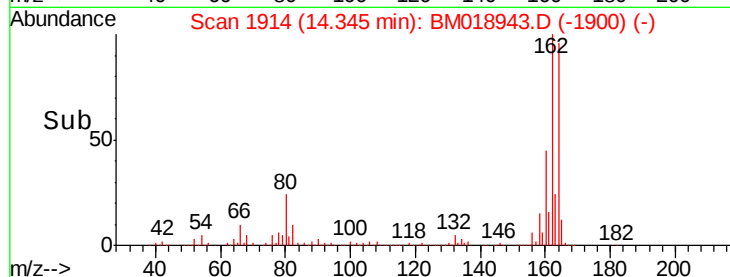
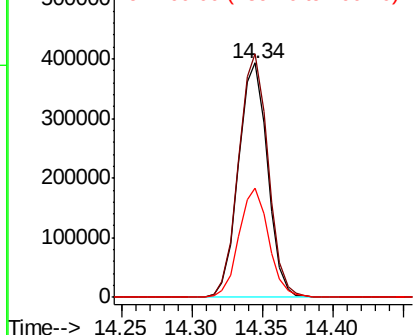
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.34 min Scan# 1914
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

Tgt Ion:164 Resp: 568601
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.4 125.0
 160 46.5 36.6 55.0

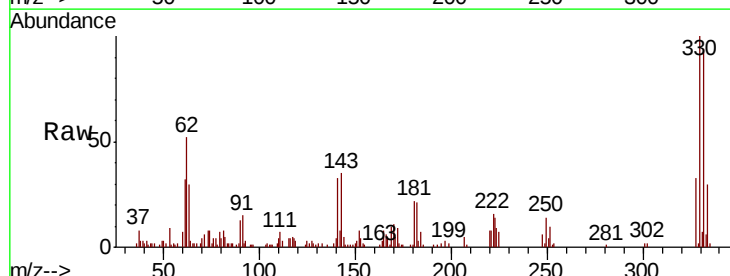


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

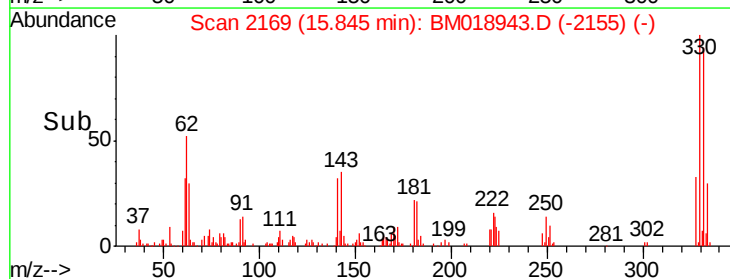
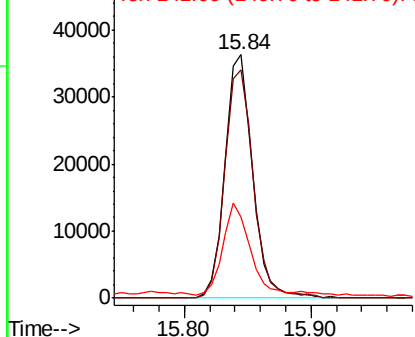


#42
 2,4,6-Tribromophenol
 Concen: 6.686 ng
 RT: 15.84 min Scan# 2169
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Tgt Ion:330 Resp: 54803
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.9 115.3
 141 36.7 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

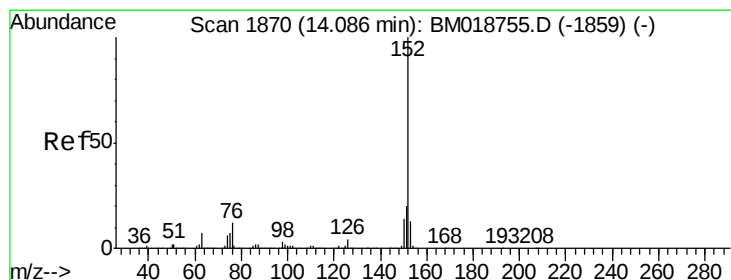
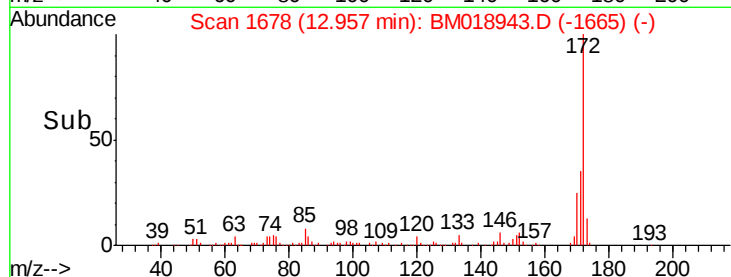
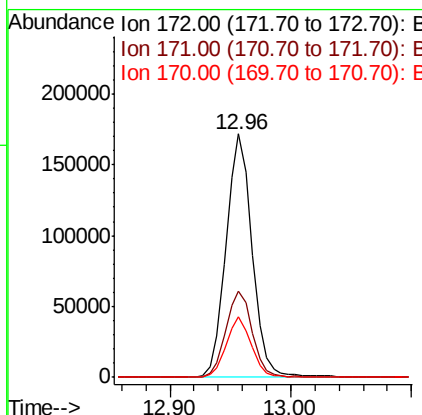
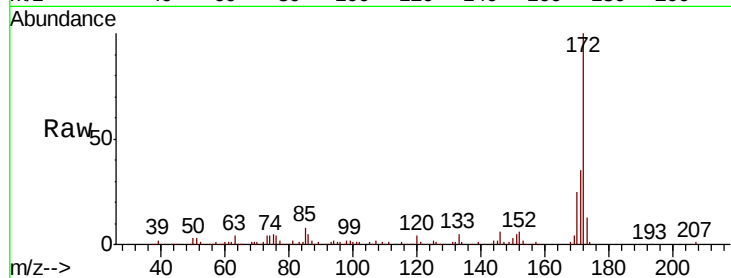




#45
2-Fluorobiphenyl
Concen: 6.037 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

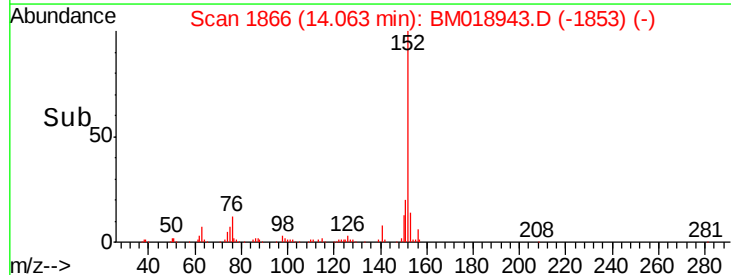
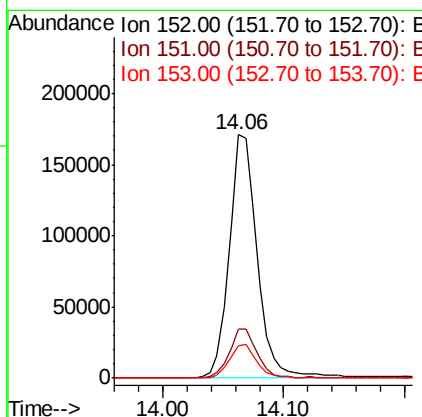
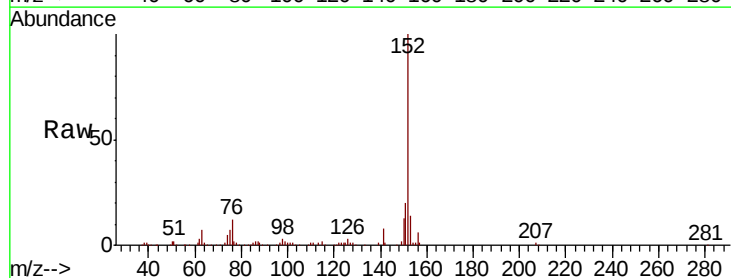
Instrument :
BNA_M
ClientSampleId :
TP-26DL

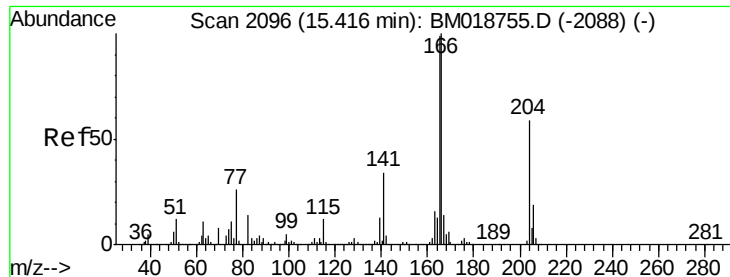
Tgt Ion:	172	Resp:	258571
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	24.8	18.6	28.0



#49
Acenaphthylene
Concen: 4.912 ng
RT: 14.06 min Scan# 1866
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion:	152	Resp:	276490
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.6	10.5	15.7





#58

Fluorene

Concen: 5.448 ng

RT: 15.40 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

ClientSampleId :

TP-26DL

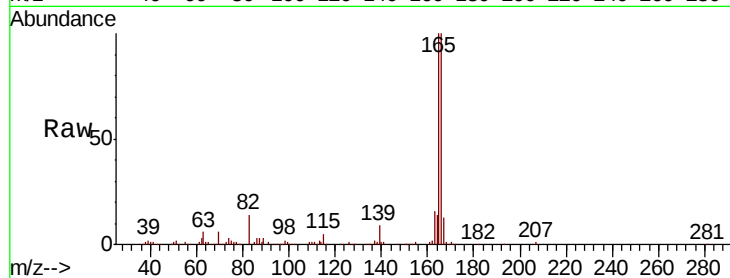
Tgt Ion:166 Resp: 236456

Ion Ratio Lower Upper

166 100

165 100.4 79.1 118.7

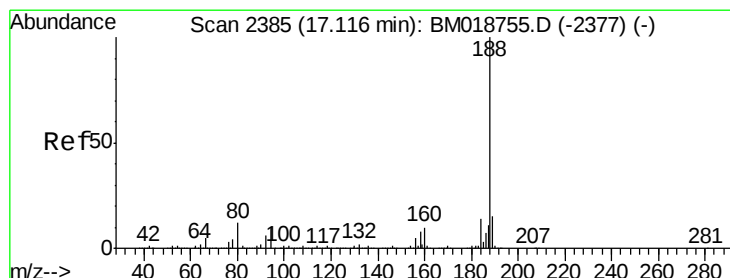
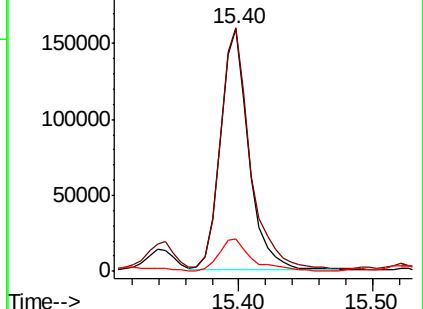
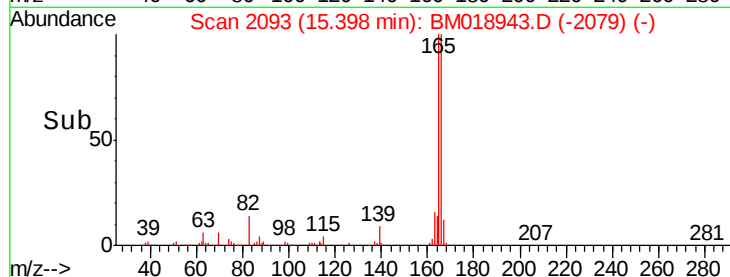
167 13.2 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

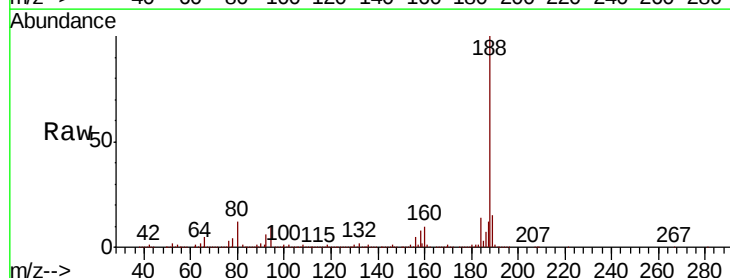
Tgt Ion:188 Resp: 1049134

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

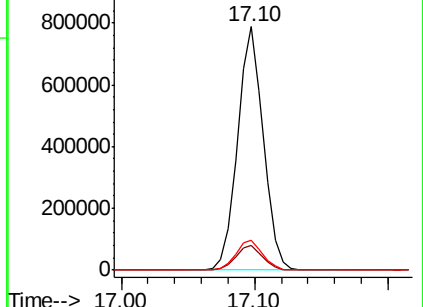
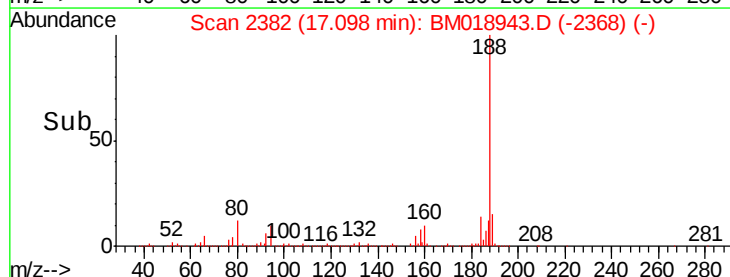
80 12.3 9.7 14.5

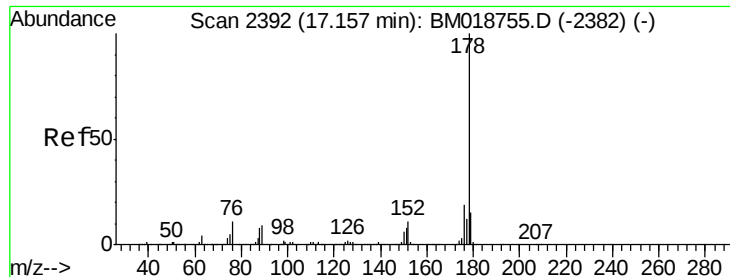


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 45.266 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

ClientSampleId :

TP-26DL

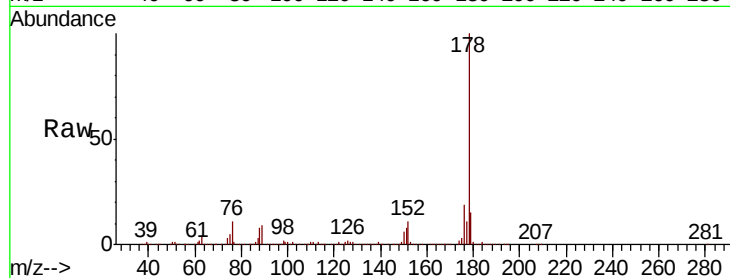
Tgt Ion:178 Resp: 2552191

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

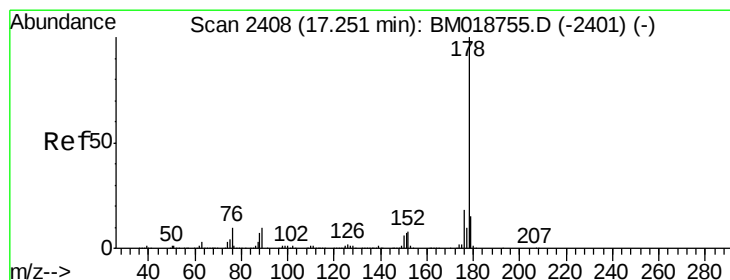
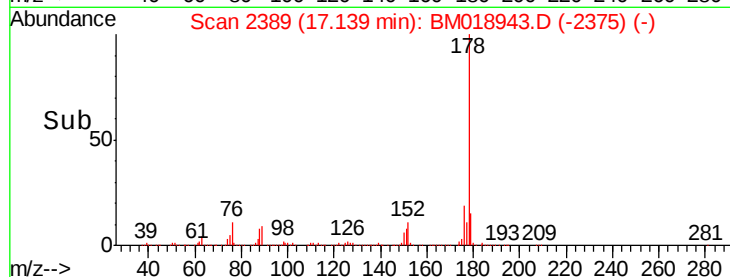
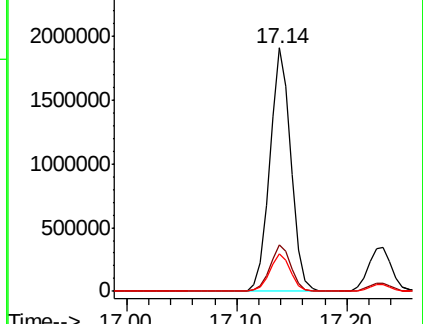
179 15.4 12.3 18.5



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



#72

Anthracene

Concen: 9.133 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

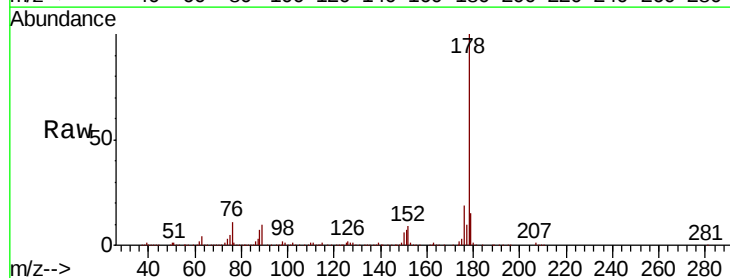
Tgt Ion:178 Resp: 501184

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

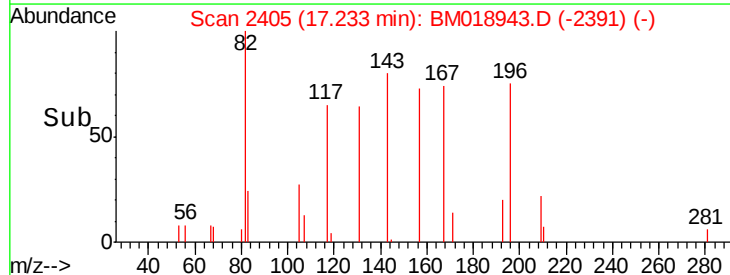
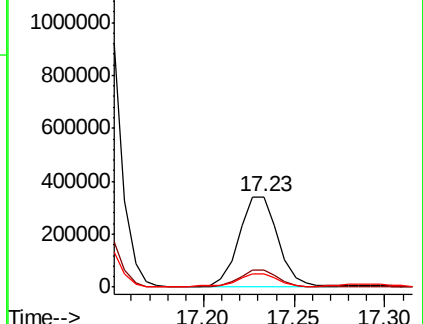
179 15.1 12.1 18.1

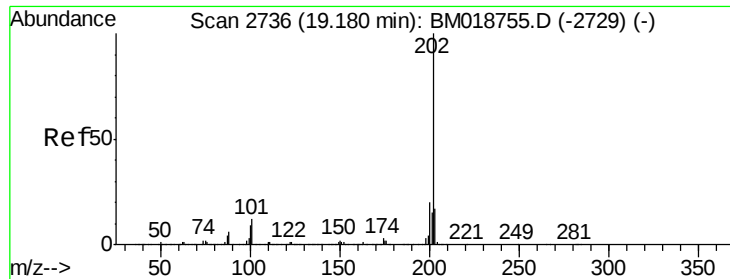


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.455 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

ClientSampleId :

TP-26DL

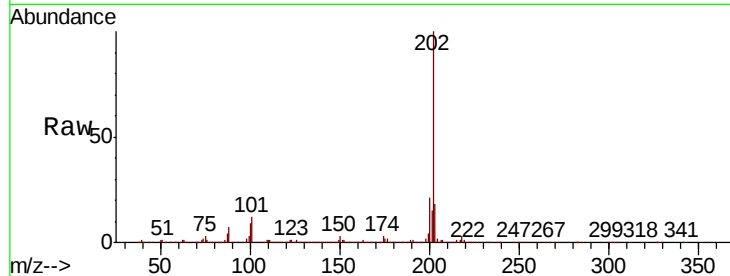
Tgt Ion:202 Resp: 1462432

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

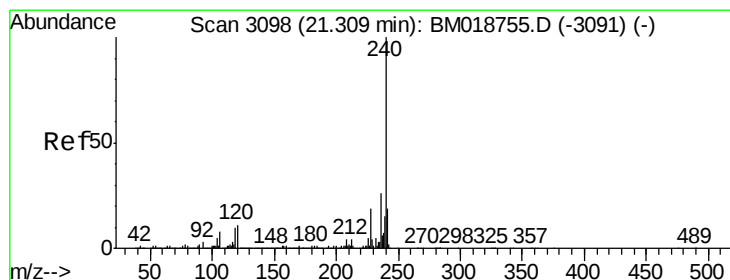
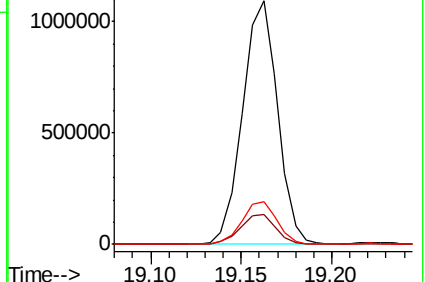
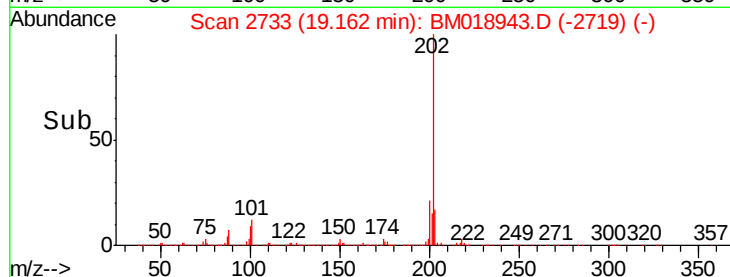
203 17.6 0.0 37.3



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: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

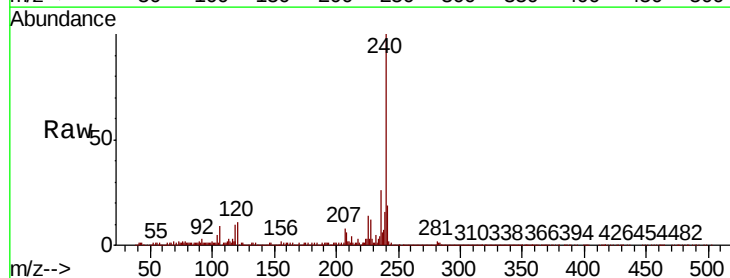
Tgt Ion:240 Resp: 1083427

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

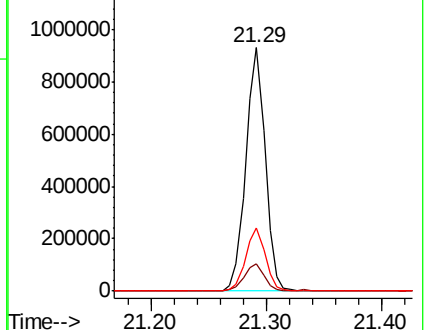
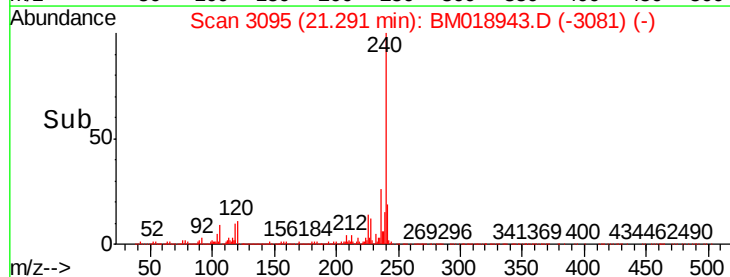
236 26.2 20.9 31.3

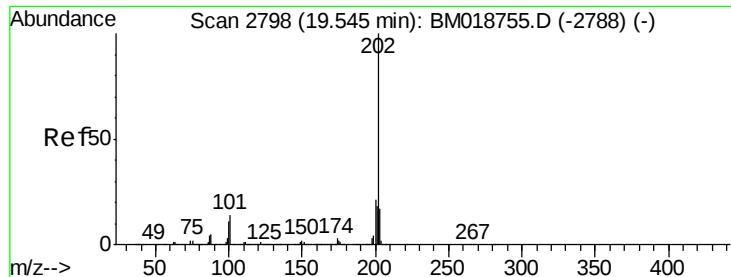


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

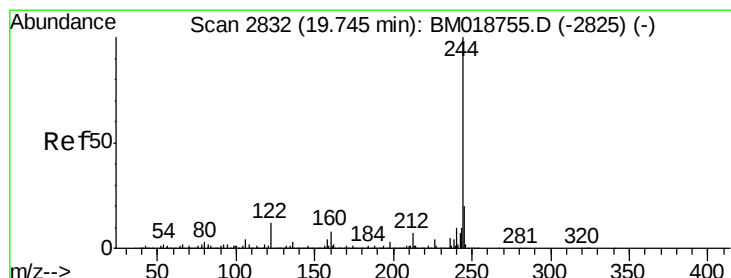
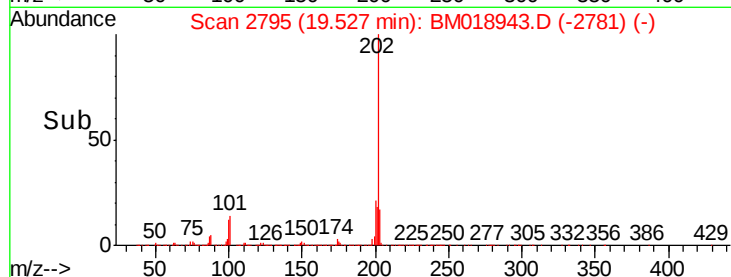
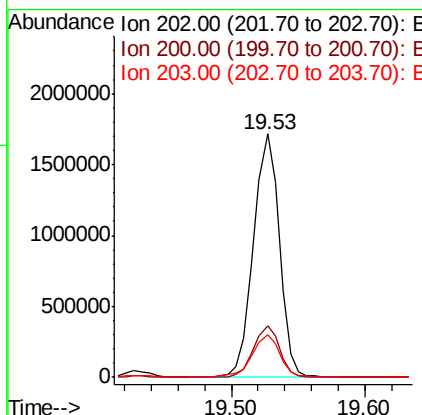
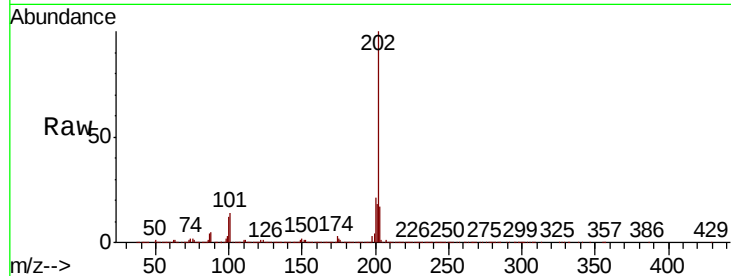




#78
 Pyrene
 Concen: 36.305 ng
 RT: 19.53 min Scan# 2795
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

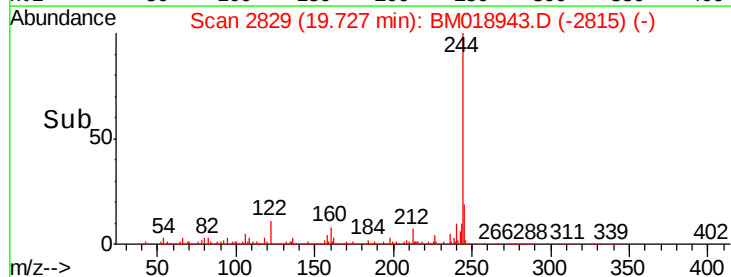
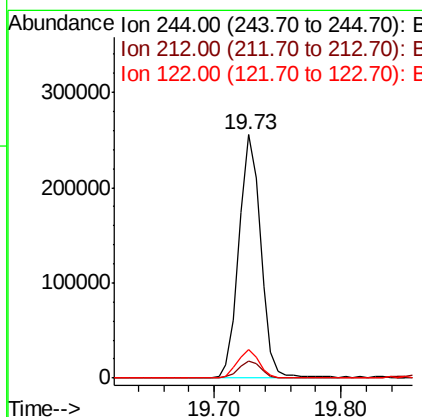
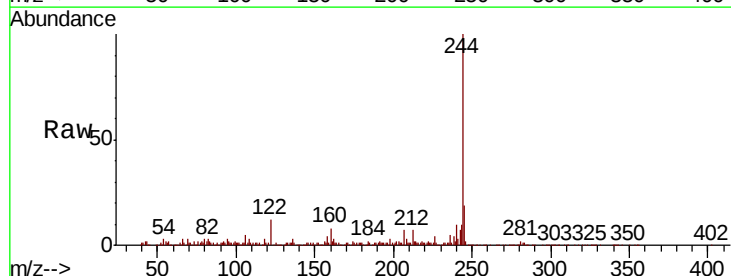
Instrument :
 BNA_M
 ClientSampleId :
 TP-26DL

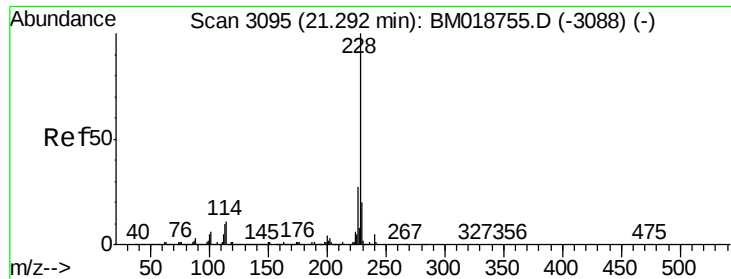
Tgt Ion:202 Resp: 2284438
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.9 25.3
 203 17.4 13.8 20.8



#79
 Terphenyl-d14
 Concen: 5.755 ng
 RT: 19.73 min Scan# 2829
 Delta R.T. -0.02 min
 Lab File: BM018943.D
 Acq: 26 Feb 2019 23:27

Tgt Ion:244 Resp: 302254
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.5 9.3 13.9

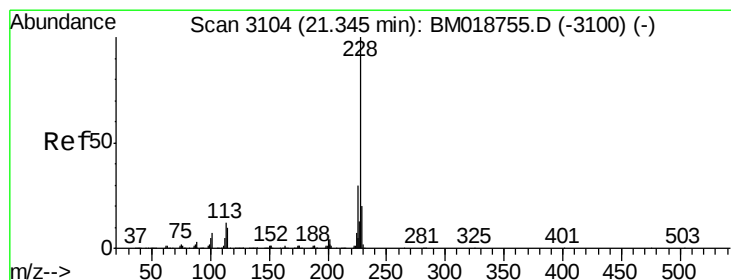
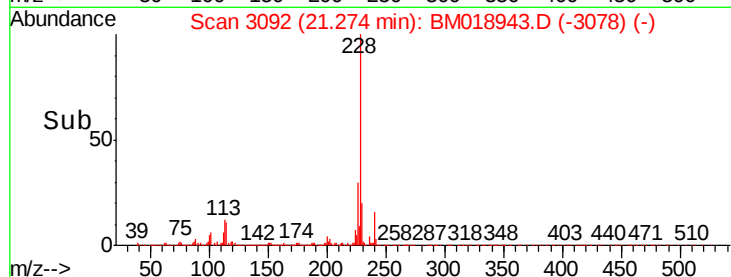
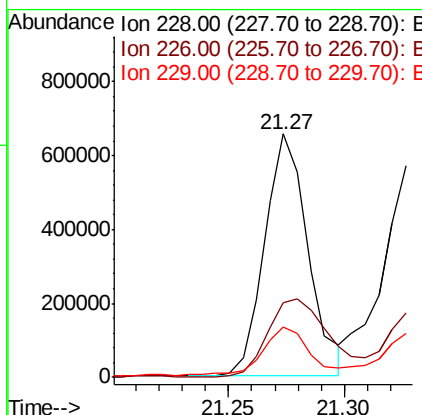
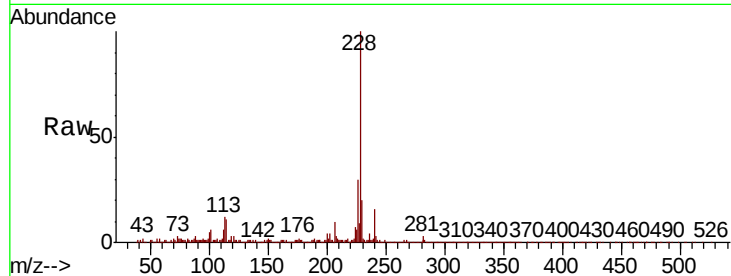




#81
Benzo(a)anthracene
Concen: 13.555 ng
RT: 21.27 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

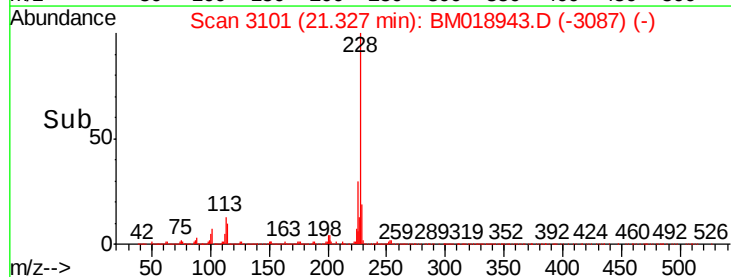
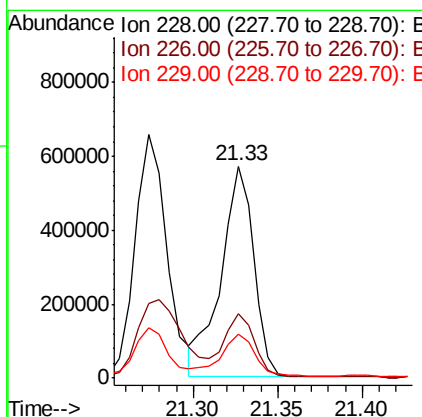
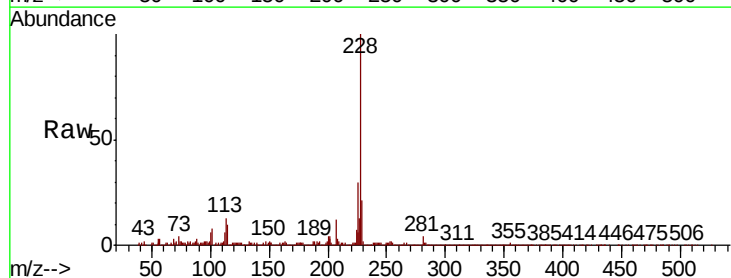
Instrument :
BNA_M
ClientSampleId :
TP-26DL

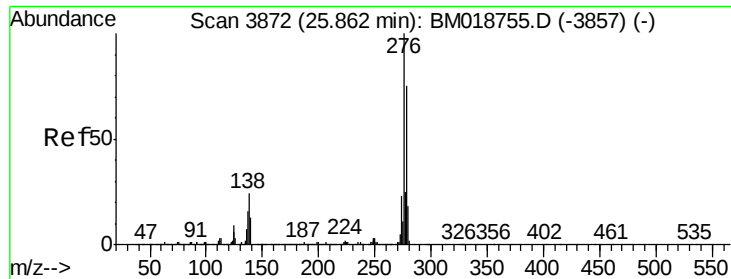
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.9	32.9
229	20.5	15.9	23.9



#83
Chrysene
Concen: 12.753 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	21.0	16.0	24.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.196 ng

RT: 25.81 min Scan# 3864

Delta R.T. -0.05 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

Instrument :

BNA_M

ClientSampleId :

TP-26DL

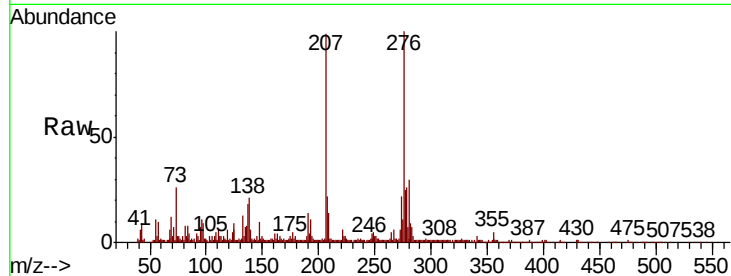
Tgt Ion:276 Resp: 363126

Ion Ratio Lower Upper

276 100

138 21.4 20.2 30.4

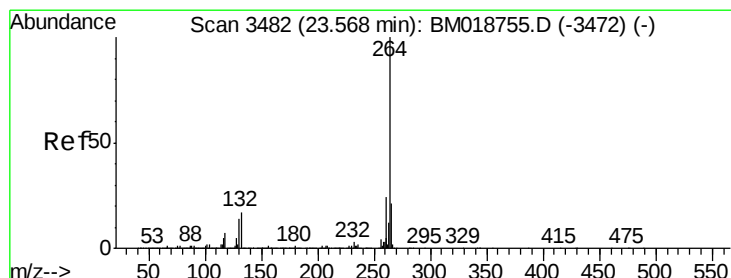
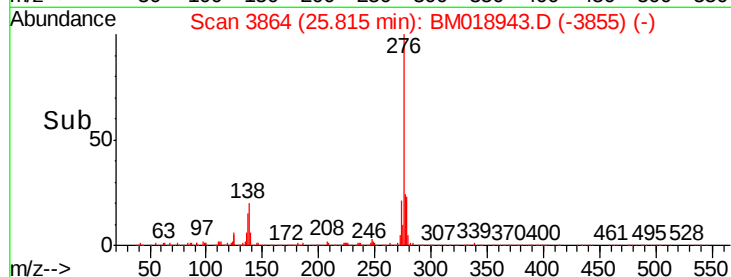
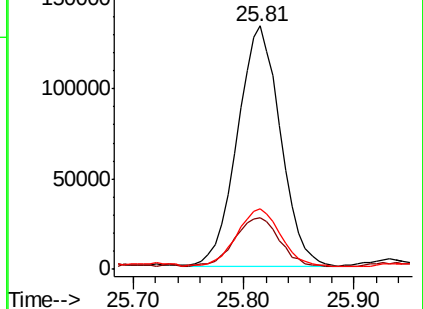
277 24.2 20.3 30.5



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: 23.54 min Scan# 3477

Delta R.T. -0.03 min

Lab File: BM018943.D

Acq: 26 Feb 2019 23:27

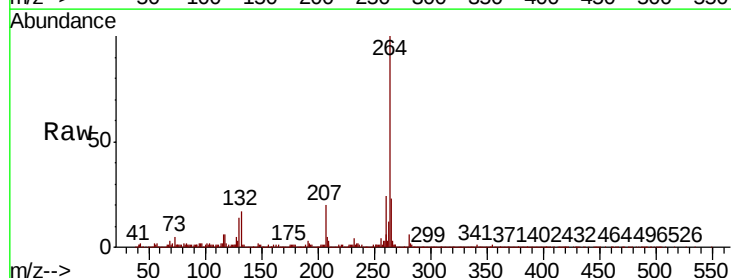
Tgt Ion:264 Resp: 1221321

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

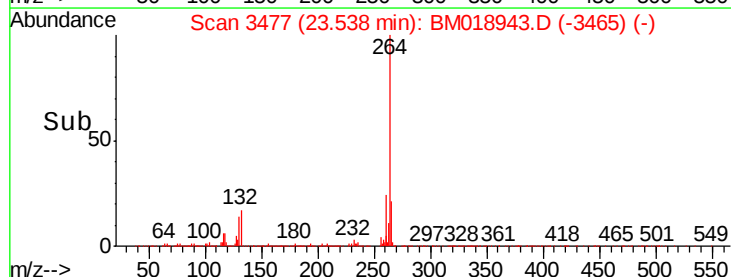
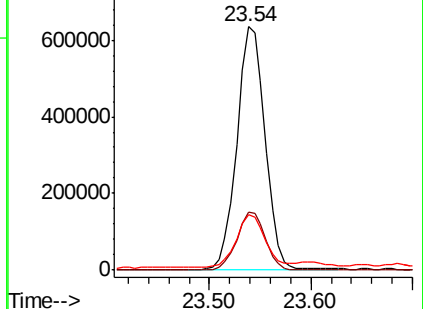
265 22.6 17.3 25.9

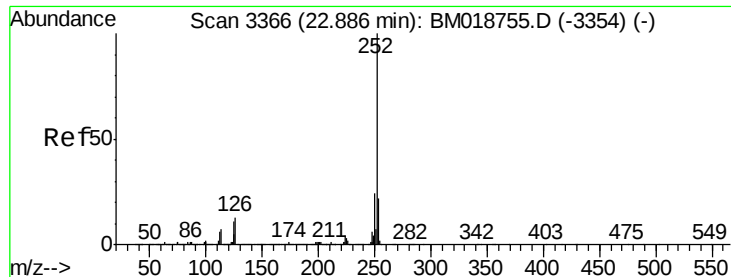


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

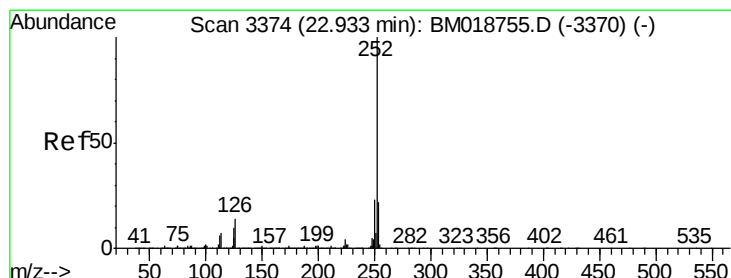
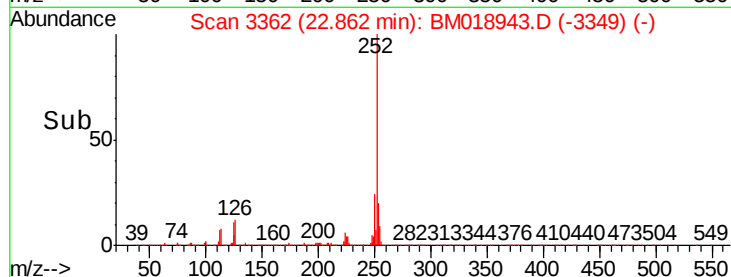
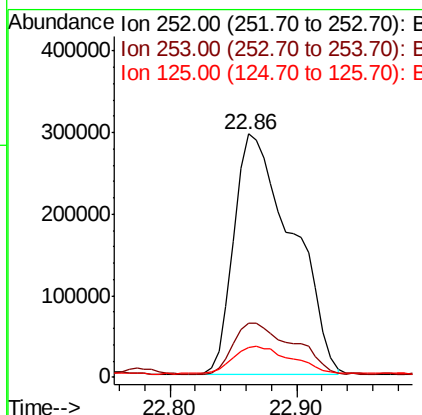
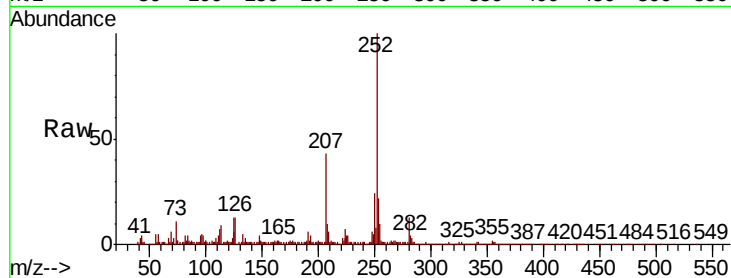




#88
Benzo(b)fluoranthene
Concen: 13.514 ng
RT: 22.86 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

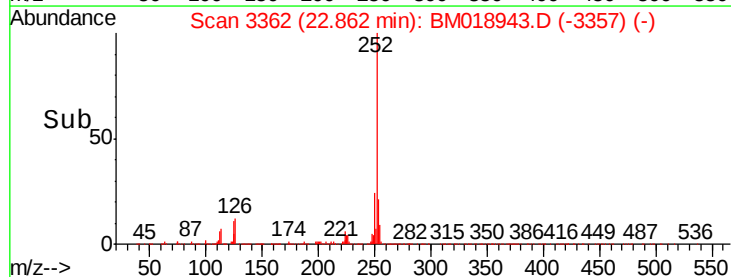
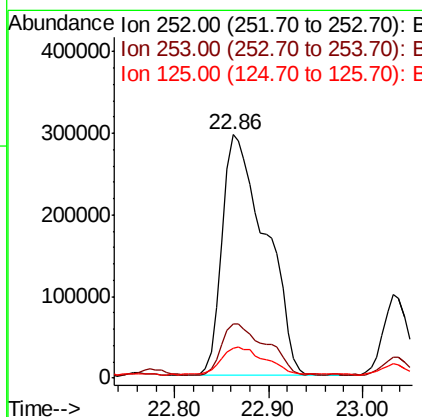
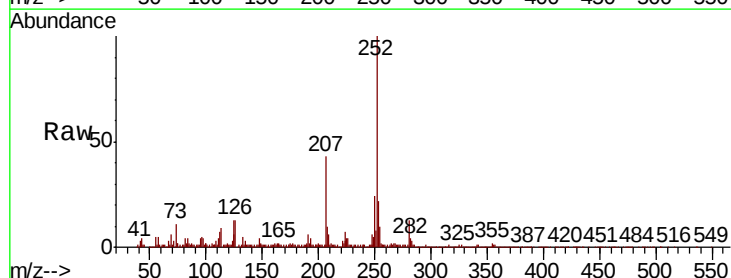
Instrument :
BNA_M
ClientSampleId :
TP-26DL

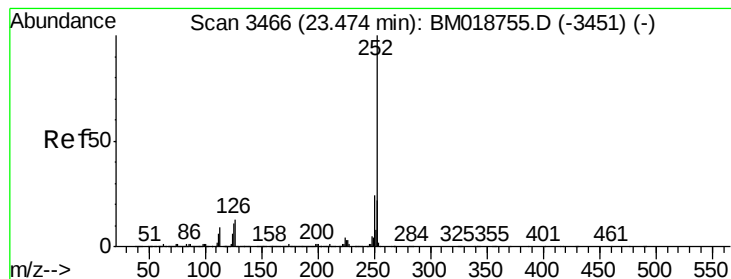
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.5	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 13.627 ng
RT: 22.86 min Scan# 3362
Delta R.T. -0.07 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	12.5	8.2	12.4#

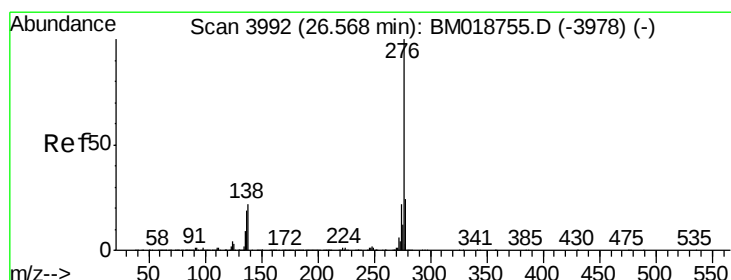
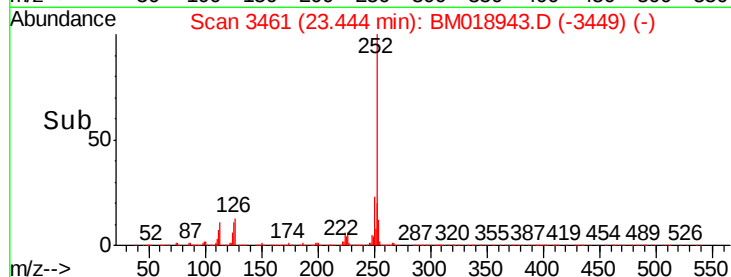
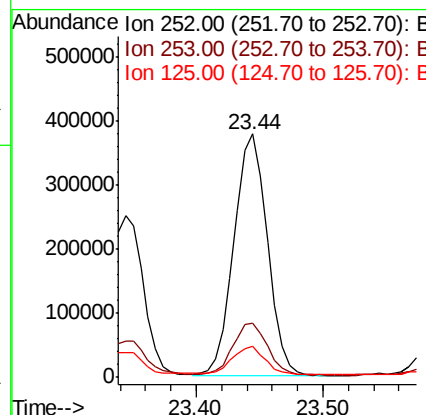
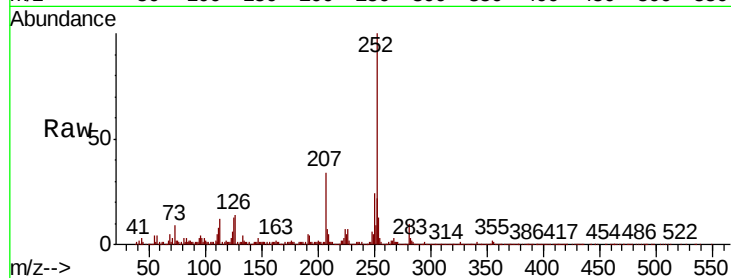




#90
Benzo(a)pyrene
Concen: 10.350 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Instrument :
BNA_M
ClientSampled :
TP-26DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	12.6	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 6.503 ng
RT: 26.52 min Scan# 3984
Delta R.T. -0.05 min
Lab File: BM018943.D
Acq: 26 Feb 2019 23:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	20.9	17.3	25.9

