

Data File : BM020686.D
Acq On : 04 Jun 2019 00:18
Operator : HP/JU
Sample : K3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-1A-S

Quant Time: Jun 04 04:21:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	224375	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	838251	20.00	ng	-0.01
39) Acenaphthene-d10	14.46	164	414624	20.00	ng	-0.01
64) Phenanthrene-d10	17.20	188	858677	20.00	ng	-0.01
76) Chrysene-d12	21.38	240	893559	20.00	ng	-0.02
87) Perylene-d12	23.66	264	1080114	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1676436	131.43	ng	0.00
7) Phenol-d6	6.99	99	2273757	121.06	ng	0.00
23) Nitrobenzene-d5	8.99	82	1370668	84.72	ng	-0.01
42) 2,4,6-Tribromophenol	15.95	330	642055	124.98	ng	-0.01
45) 2-Fluorobiphenyl	13.08	172	2783651	89.25	ng	-0.01
79) Terphenyl-d14	19.83	244	3753358	70.26	ng	-0.02

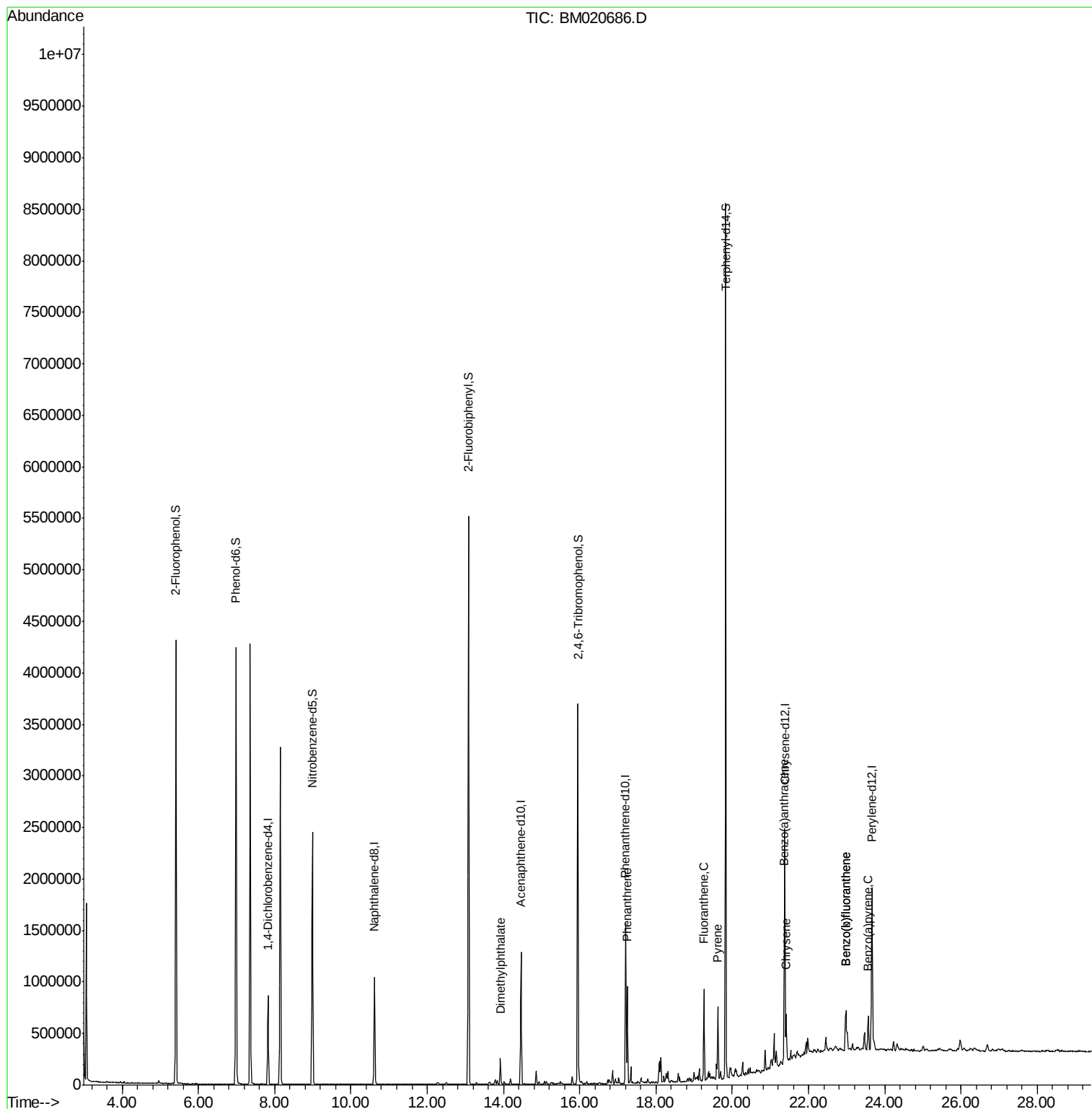
Target Compounds				Qvalue		
9) Benzaldehyde	6.99	77	5859	Below Cal	#	6
50) Dimethylphthalate	13.92	163	162533	4.588	ng	99
71) Phenanthrene	17.24	178	533952	10.970	ng	98
75) Fluoranthene	19.26	202	502321	9.280	ng	97
78) Pyrene	19.62	202	389279	5.677	ng	99
81) Benzo(a)anthracene	21.36	228	264224	4.246	ng	99
83) Chrysene	21.42	228	225937	3.820	ng	97
88) Benzo(b)fluoranthene	22.98	252	336829	4.718	ng	97
89) Benzo(k)fluoranthene	22.98	252	335262	4.806	ng	97
90) Benzo(a)pyrene	23.56	252	162408	2.508	ng	99

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

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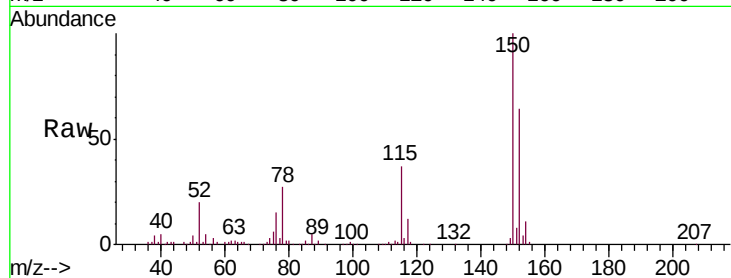


#1

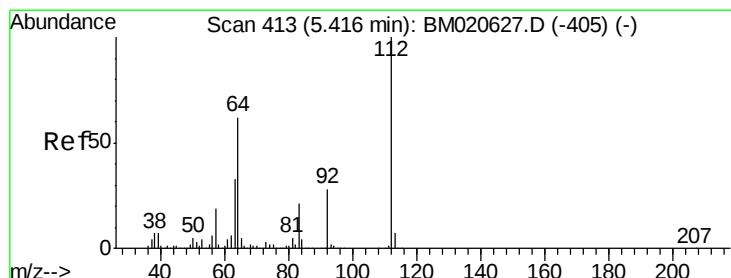
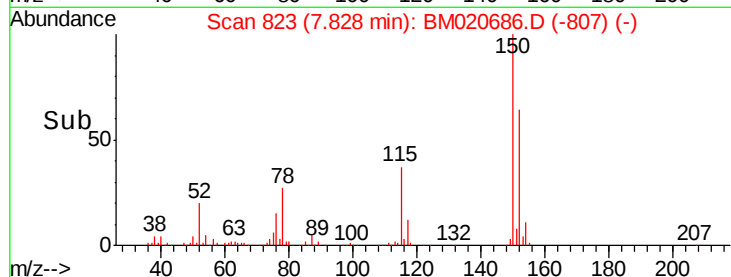
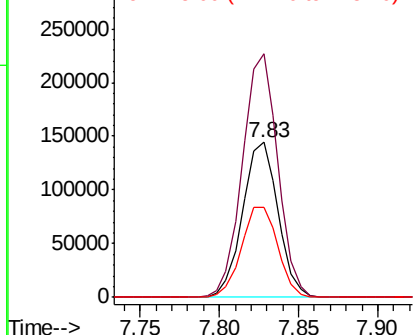
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

Instrument :
BNA_M
ClientSampleId :
TP-1A-S

Tgt Ion:152 Resp: 224375
Ion Ratio Lower Upper
152 100
150 157.2 126.0 189.0
115 58.2 49.6 74.4



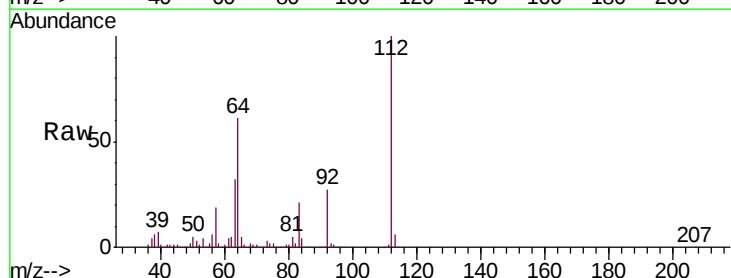
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



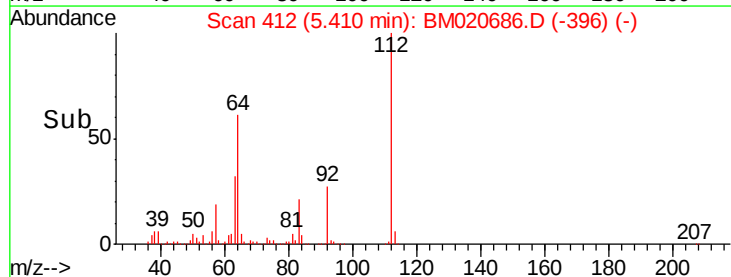
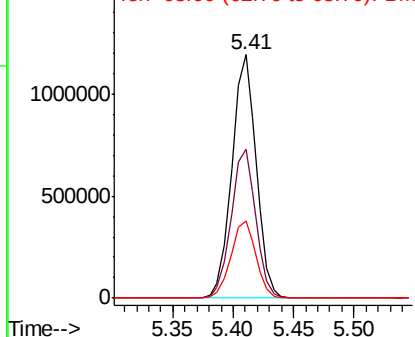
#5

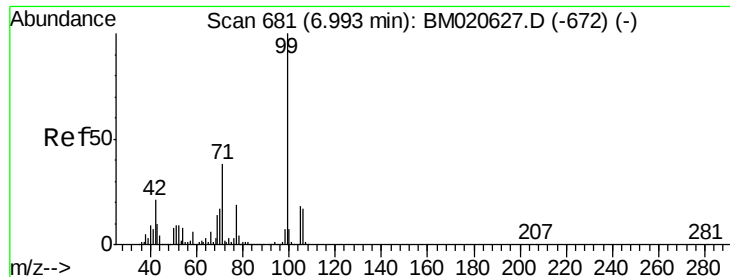
2-Fluorophenol
Concen: 131.430 ng
RT: 5.41 min Scan# 412
Delta R.T. -0.01 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

Tgt Ion:112 Resp: 1676436
Ion Ratio Lower Upper
112 100
64 61.3 49.7 74.5
63 31.7 26.4 39.6



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: 121.062 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampleId :

TP-1A-S

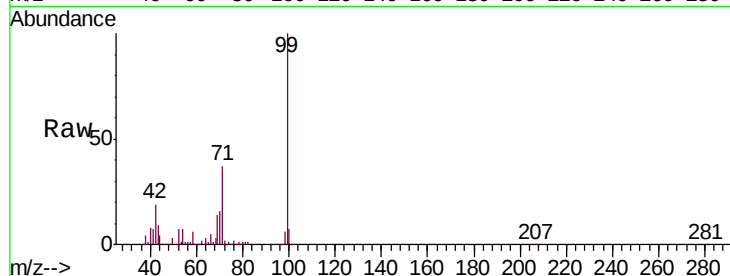
Tgt Ion: 99 Resp: 2273757

Ion Ratio Lower Upper

99 100

42 19.3 16.5 24.7

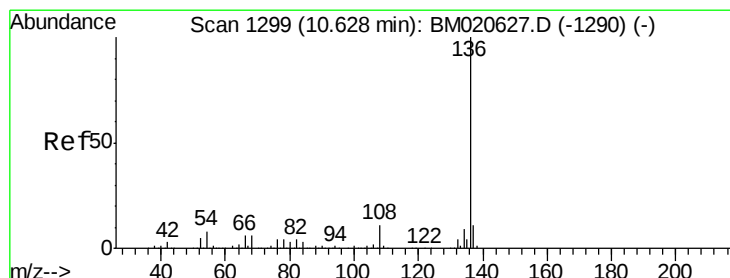
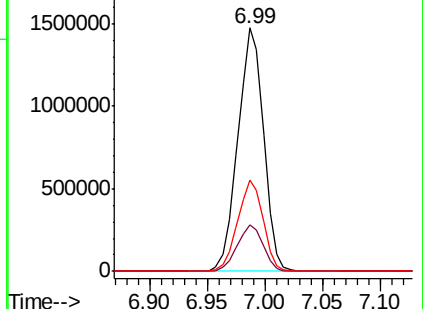
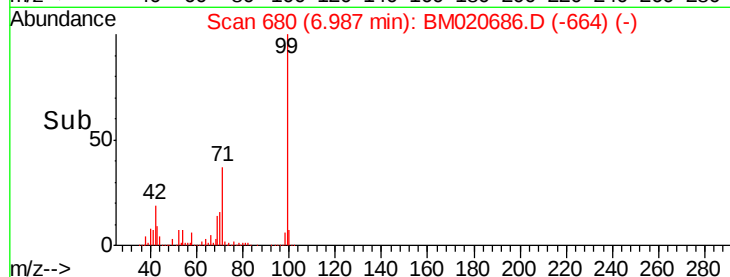
71 37.4 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BM020686.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM020686.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM020686.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.62 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Tgt Ion: 136 Resp: 838251

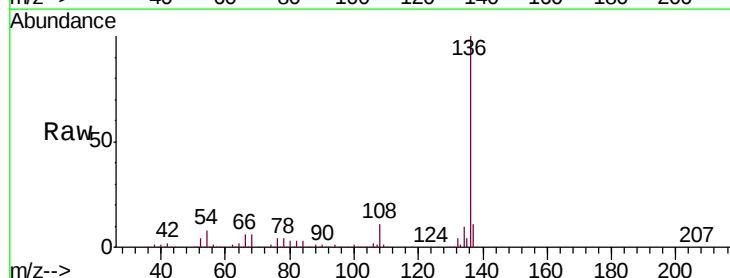
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 8.0 6.6 10.0

68 6.2 5.1 7.7

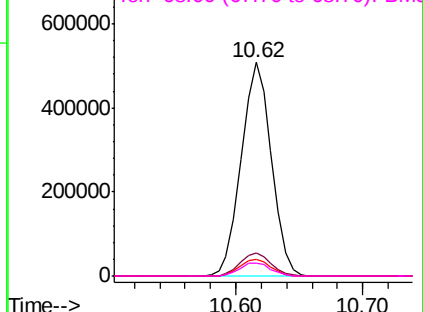
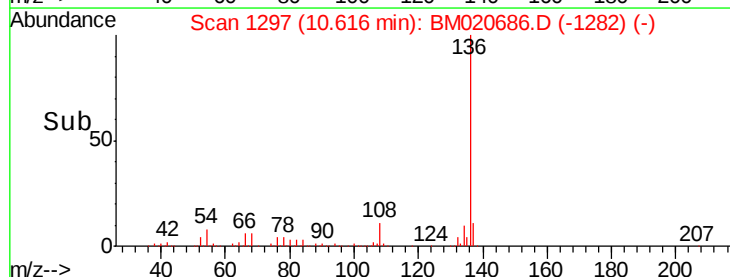


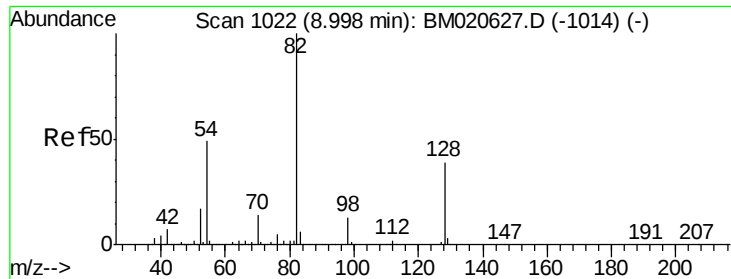
Abundance Ion 136.00 (135.70 to 136.70): BM020686.D (-1282) (-)

Ion 137.00 (136.70 to 137.70): BM020686.D (-1282) (-)

Ion 54.00 (53.70 to 54.70): BM020686.D (-1282) (-)

Ion 68.00 (67.70 to 68.70): BM020686.D (-1282) (-)

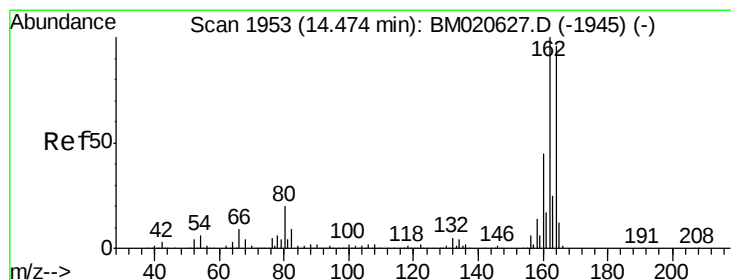
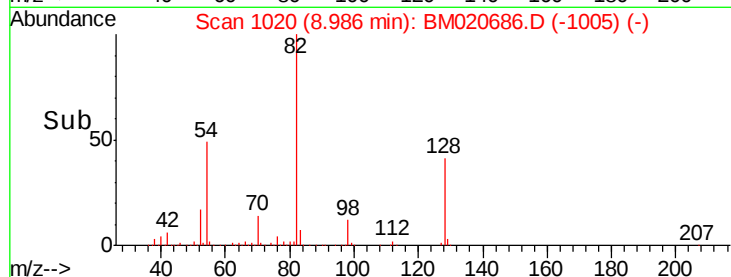
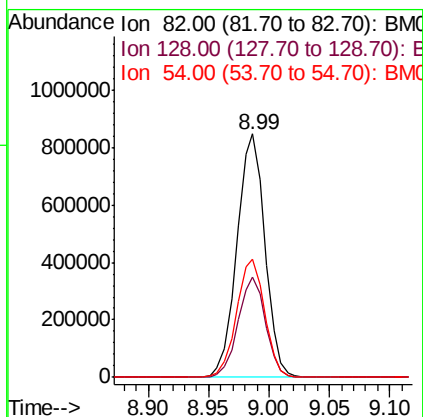
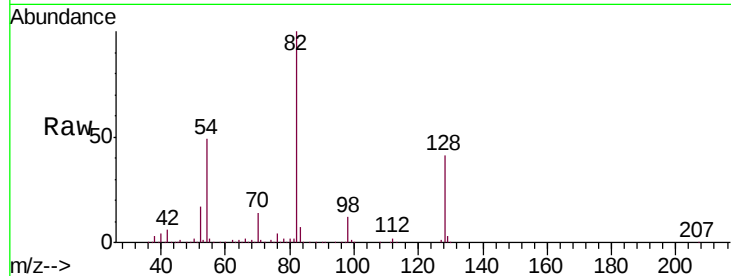




#23
 Nitrobenzene-d5
 Concen: 84.720 ng
 RT: 8.99 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BM020686.D
 Acq: 04 Jun 2019 00:18

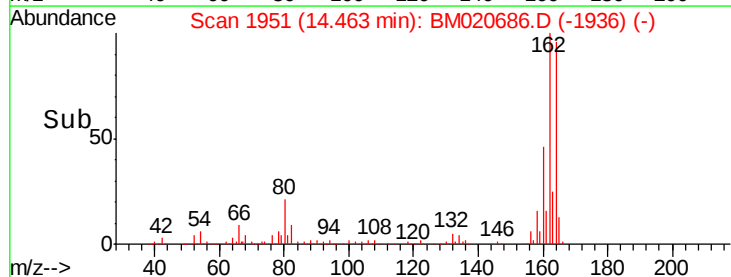
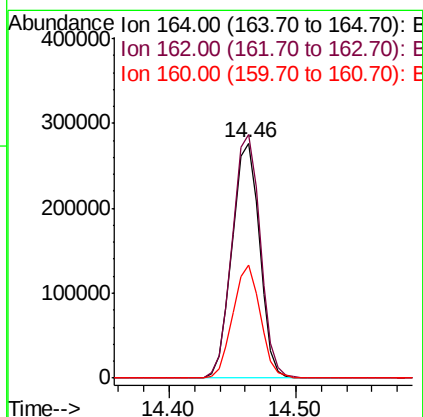
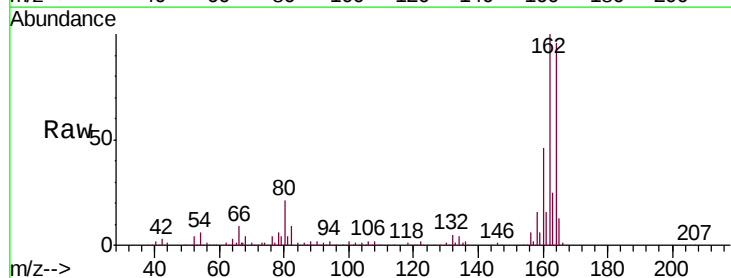
Instrument :
 BNA_M
 ClientSampled :
 TP-1A-S

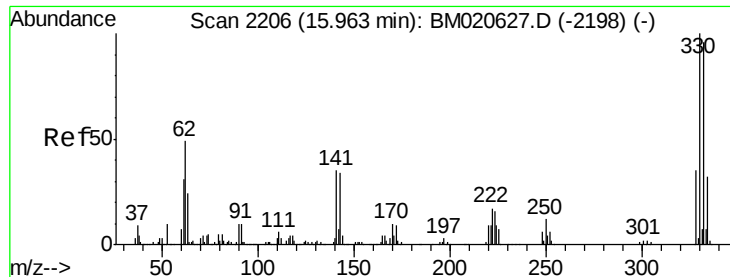
Tgt Ion: 82 Resp: 1370668
 Ion Ratio Lower Upper
 82 100
 128 41.1 31.5 47.3
 54 48.5 39.4 59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: BM020686.D
 Acq: 04 Jun 2019 00:18

Tgt Ion: 164 Resp: 414624
 Ion Ratio Lower Upper
 164 100
 162 103.8 83.2 124.8
 160 48.2 37.5 56.3

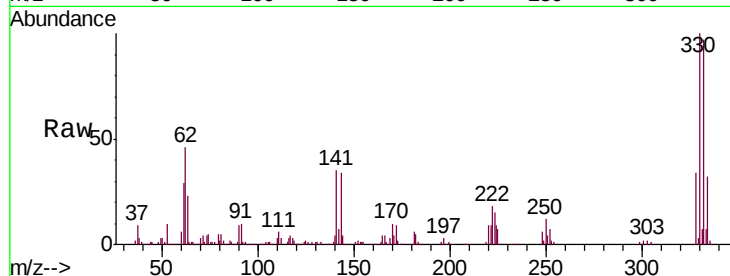




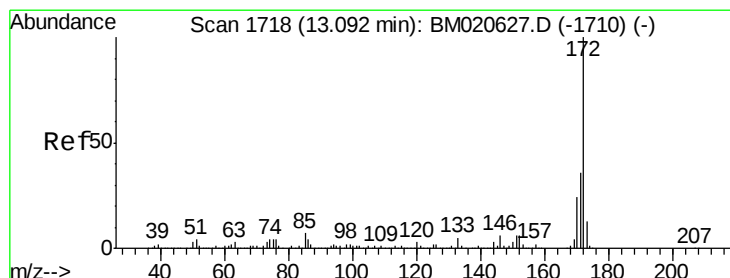
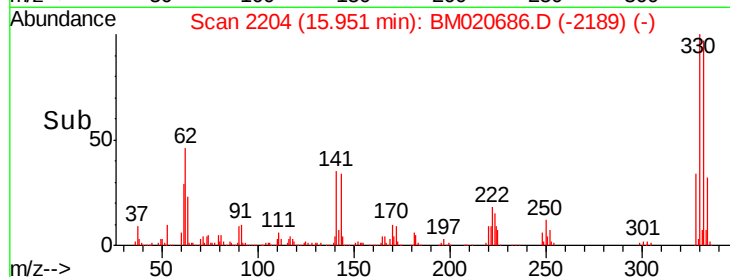
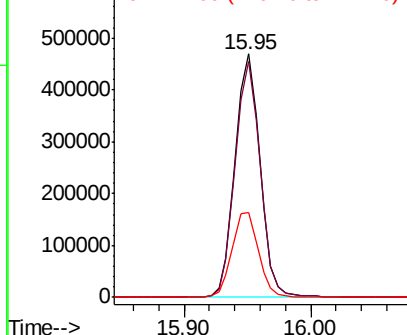
#42
 2,4,6-Tribromophenol
 Concen: 124.983 ng
 RT: 15.95 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BM020686.D
 Acq: 04 Jun 2019 00:18

Instrument :
 BNA_M
 ClientSampleId :
 TP-1A-S

Tgt Ion:330 Resp: 642055
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.0
 141 36.9 30.4 45.6

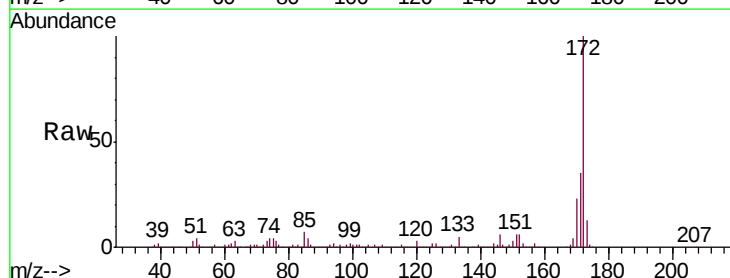


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

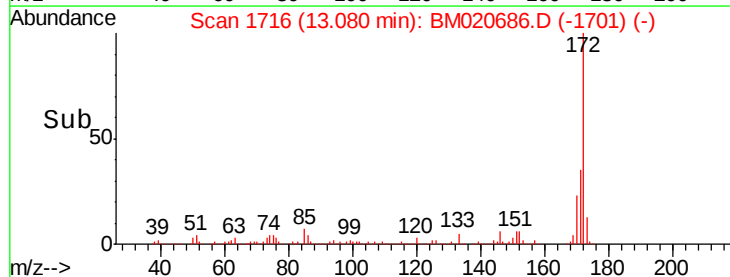
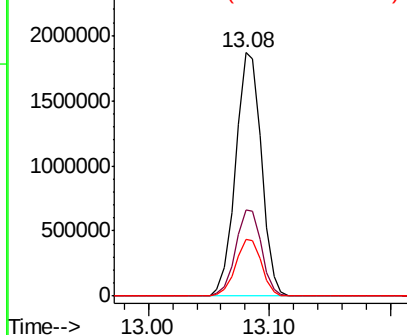


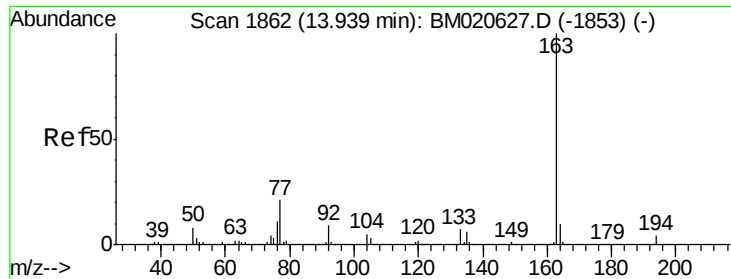
#45
 2-Fluorobiphenyl
 Concen: 89.255 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BM020686.D
 Acq: 04 Jun 2019 00:18

Tgt Ion:172 Resp: 2783651
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.2 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





#50

Dimethylphthalate

Concen: 4.588 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampleId :

TP-1A-S

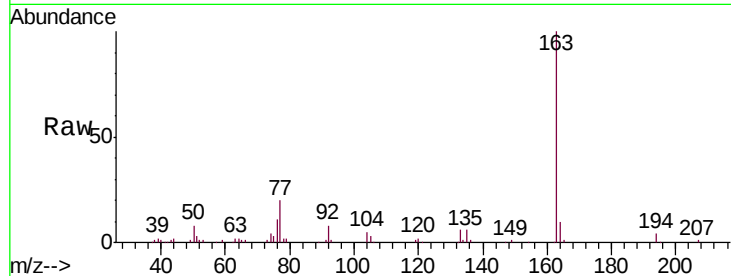
Tgt Ion:163 Resp: 162533

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.2 7.9 11.9

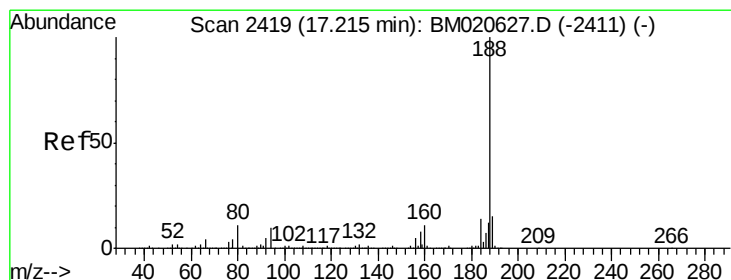
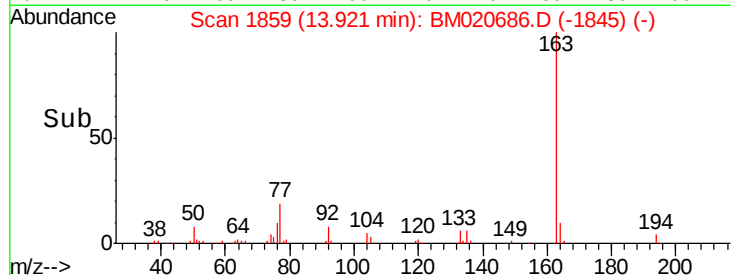
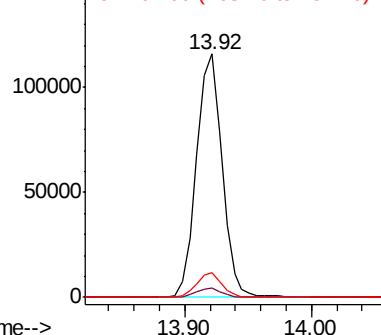


Abundance

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: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

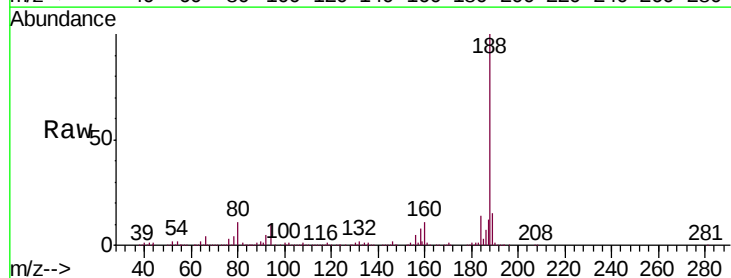
Tgt Ion:188 Resp: 858677

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.8

80 11.1 9.0 13.6

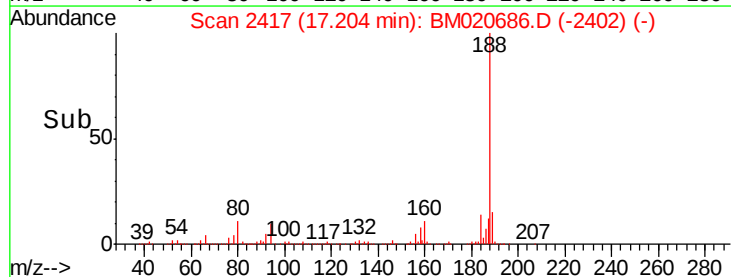
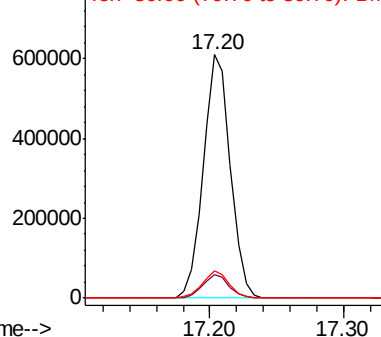


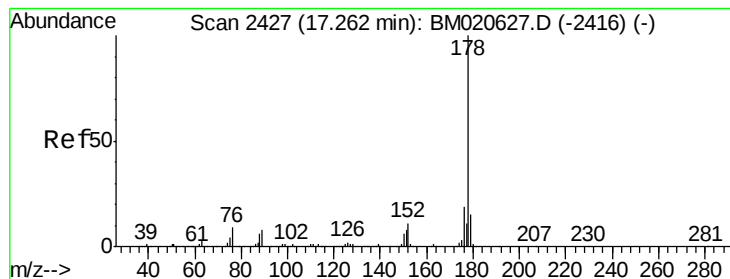
Abundance

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: 10.970 ng

RT: 17.24 min Scan# 2424

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampleId :

TP-1A-S

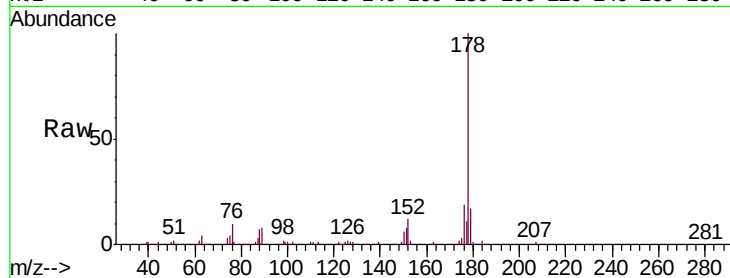
Tgt Ion:178 Resp: 533952

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

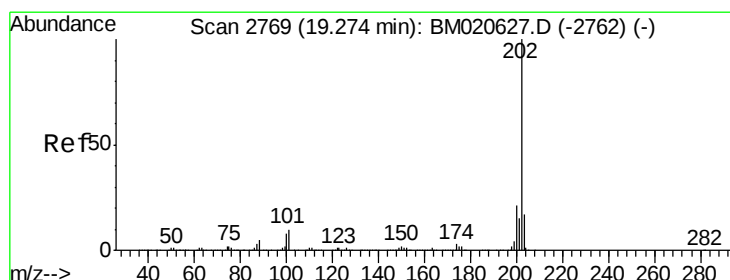
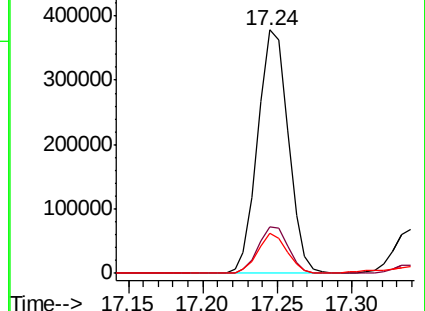
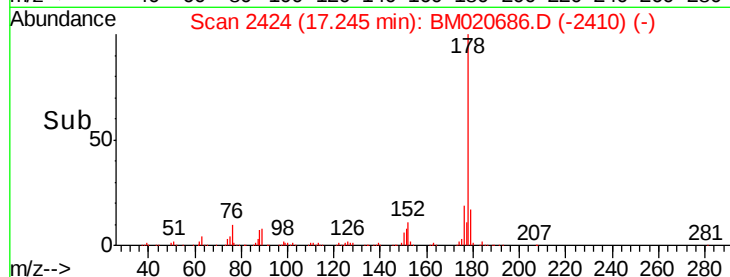
179 16.5 12.2 18.4



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: 9.280 ng

RT: 19.26 min Scan# 2766

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

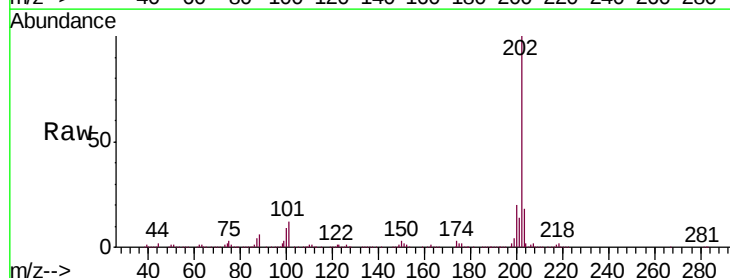
Tgt Ion:202 Resp: 502321

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.4

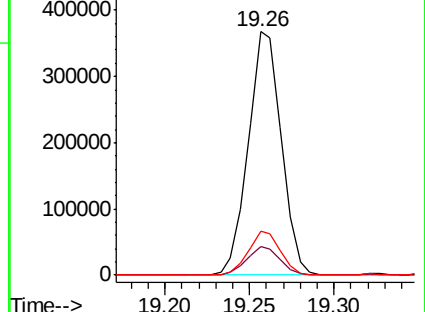
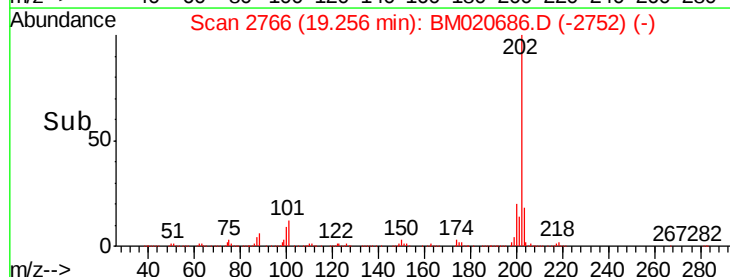
203 18.1 0.0 37.3

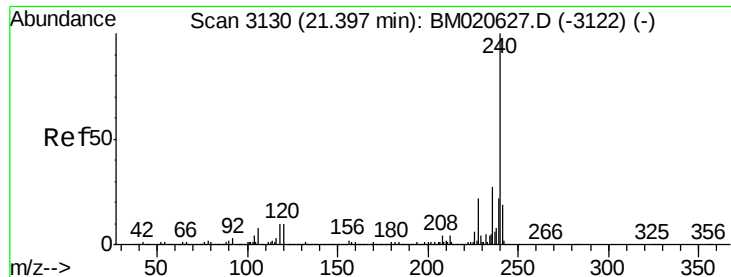


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

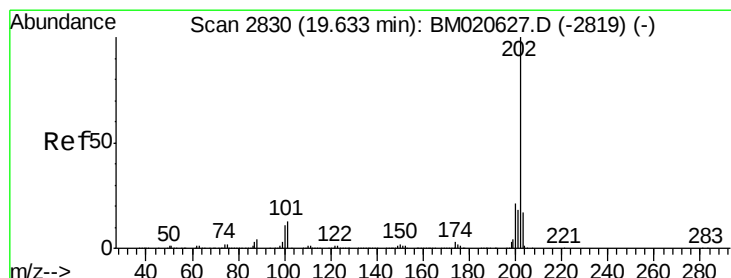
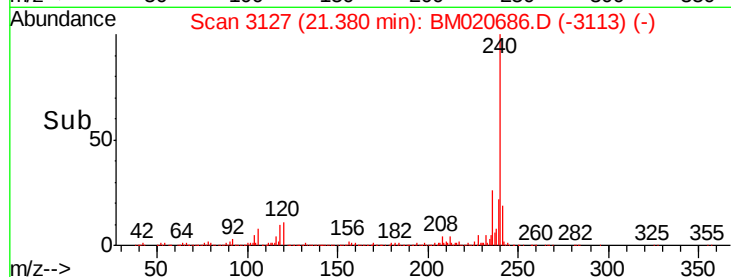
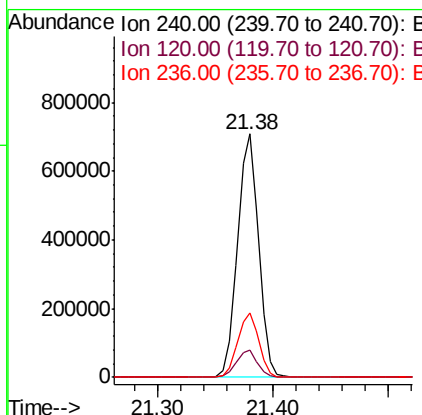
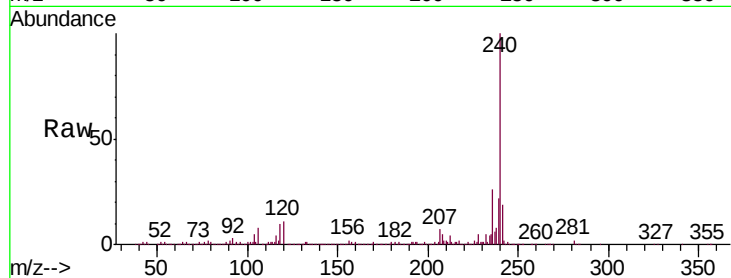




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.38 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

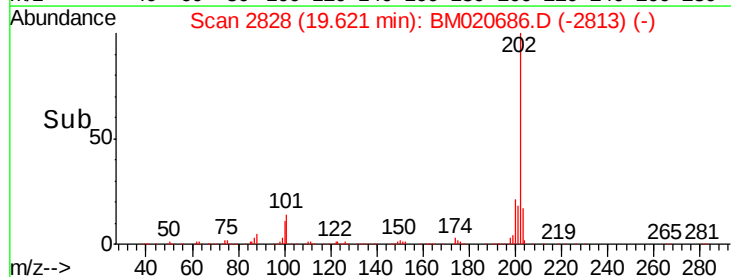
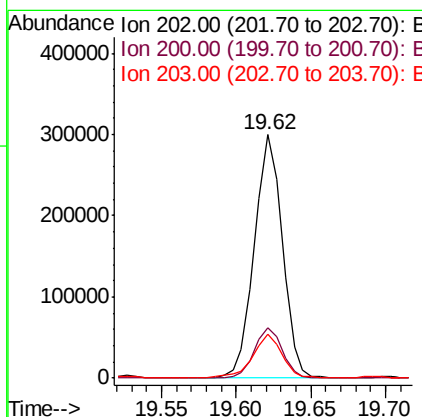
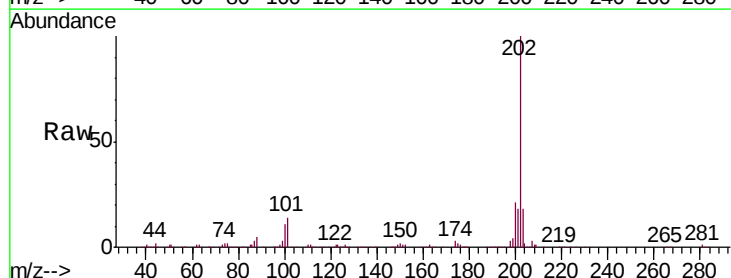
Instrument :
BNA_M
ClientSampleId :
TP-1A-S

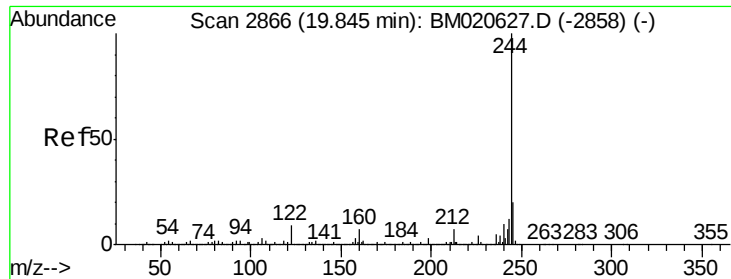
Tgt Ion:240 Resp: 893559
Ion Ratio Lower Upper
240 100
120 11.2 8.2 12.2
236 26.4 21.2 31.8



#78
Pyrene
Concen: 5.677 ng
RT: 19.62 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

Tgt Ion:202 Resp: 389279
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 70.259 ng

RT: 19.83 min Scan# 2863

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampleId :

TP-1A-S

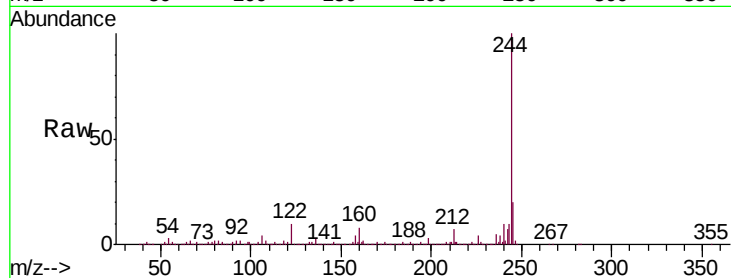
Tgt Ion:244 Resp: 3753358

Ion Ratio Lower Upper

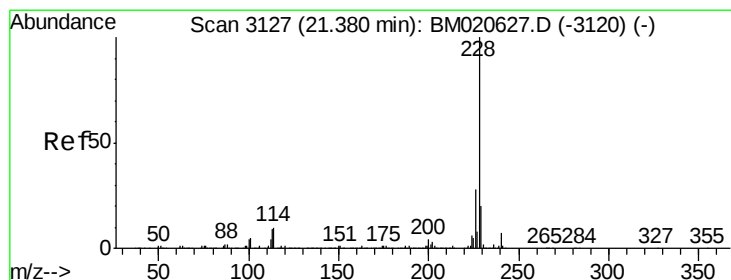
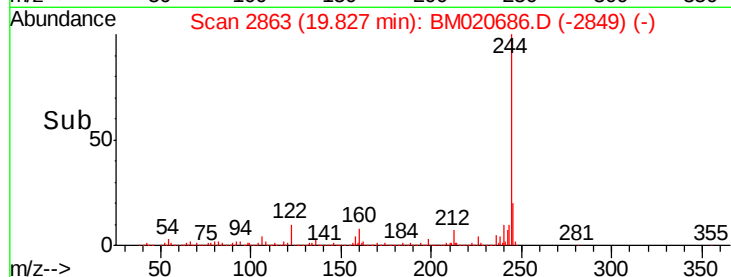
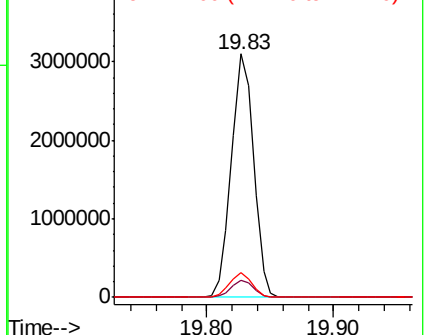
244 100

212 6.9 5.7 8.5

122 10.2 7.2 10.8



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: 4.246 ng

RT: 21.36 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

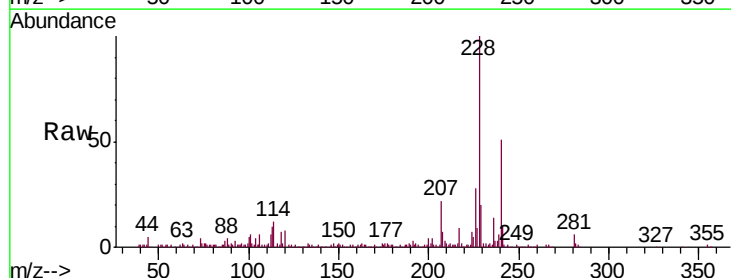
Tgt Ion:228 Resp: 264224

Ion Ratio Lower Upper

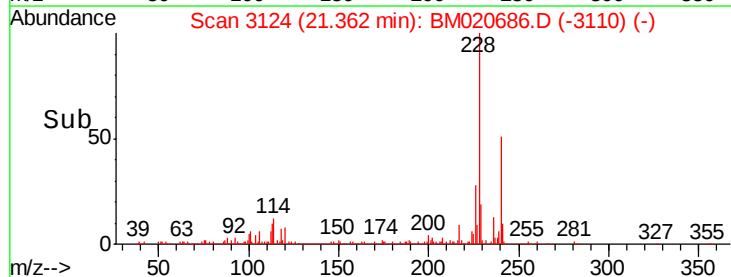
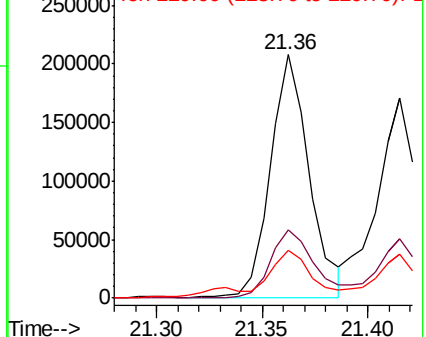
228 100

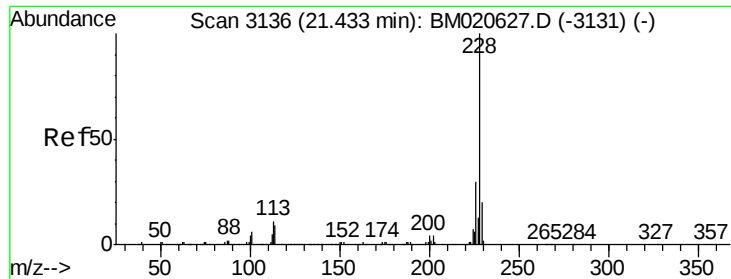
226 28.3 22.3 33.5

229 19.7 15.9 23.9



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





#83

Chrysene

Concen: 3.820 ng

RT: 21.42 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampled :

TP-1A-S

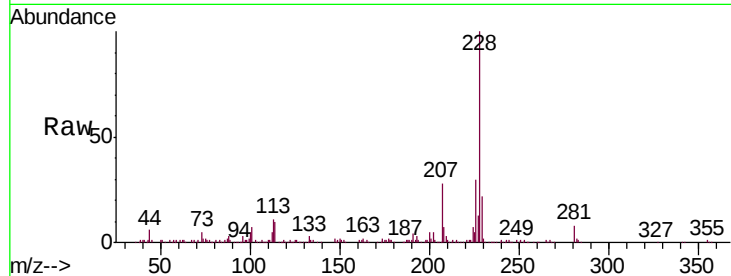
Tgt Ion:228 Resp: 225937

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 22.1 15.8 23.6

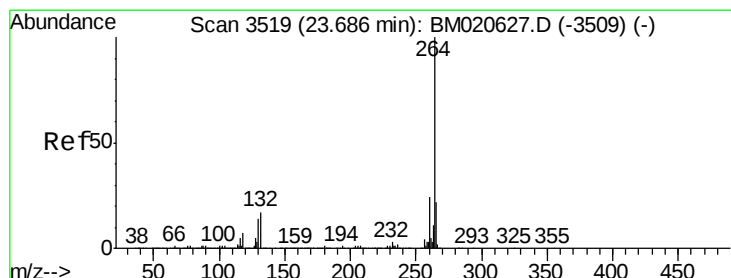
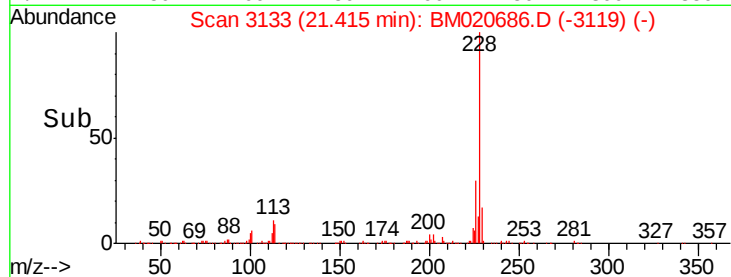
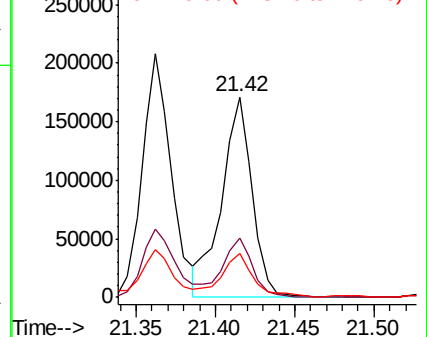


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. -0.02 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

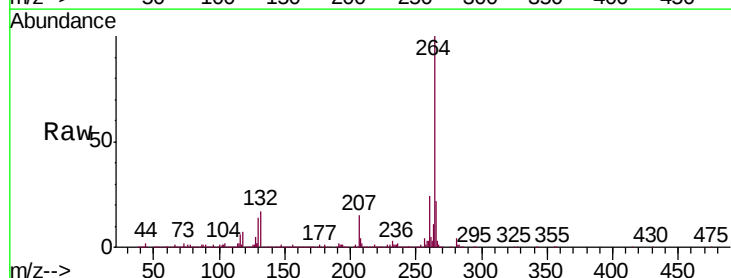
Tgt Ion:264 Resp: 1080114

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.5 17.6 26.4

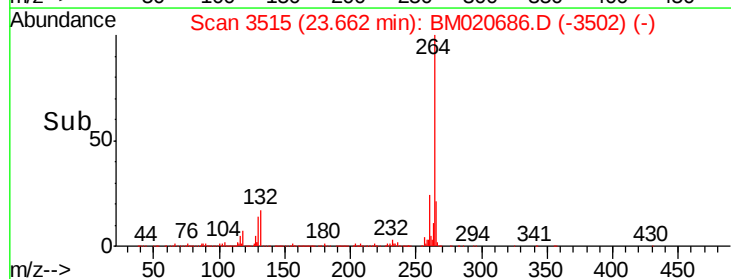
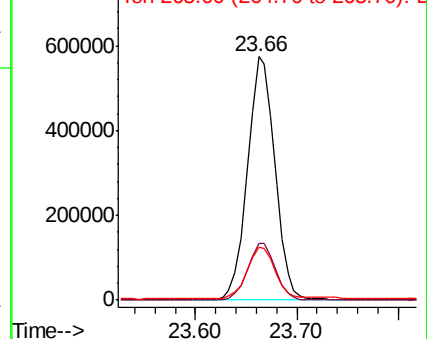


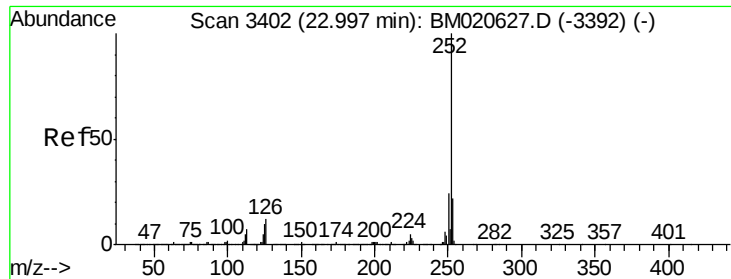
Abundance

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

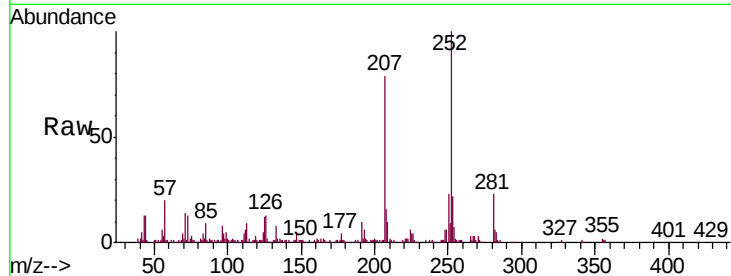




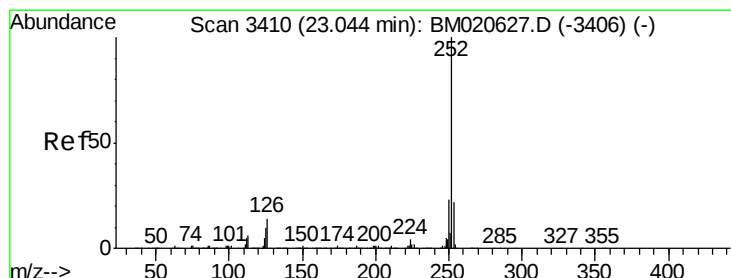
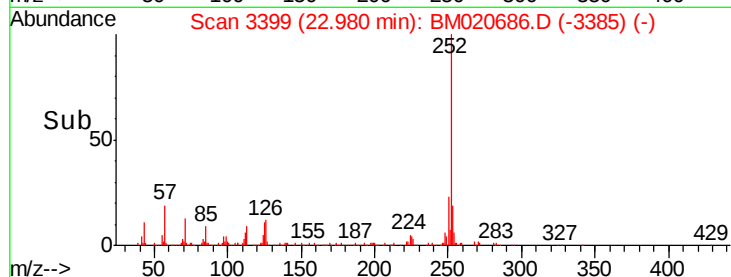
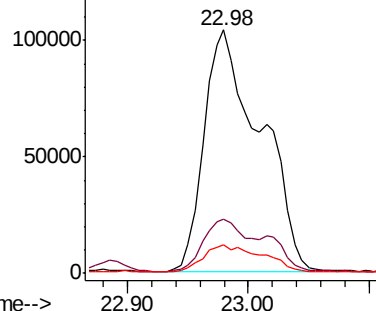
#88
Benzo(b)fluoranthene
Concen: 4.718 ng
RT: 22.98 min Scan# 3399
Delta R.T. -0.02 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

Instrument :
BNA_M
ClientSampled :
TP-1A-S

Tgt Ion:252 Resp: 336829
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 11.7 7.8 11.8

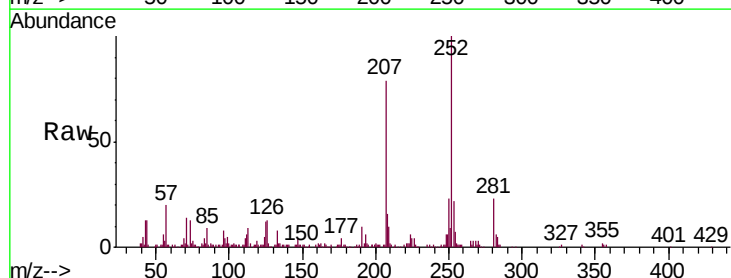


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

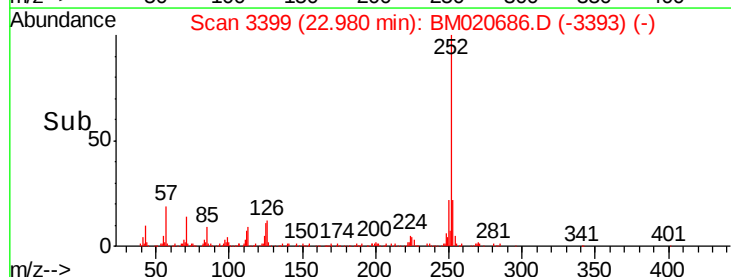
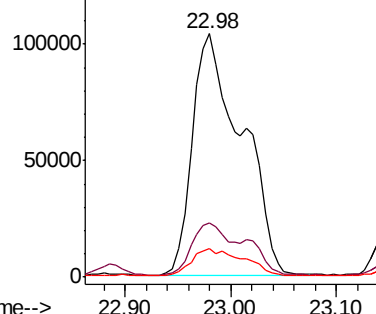


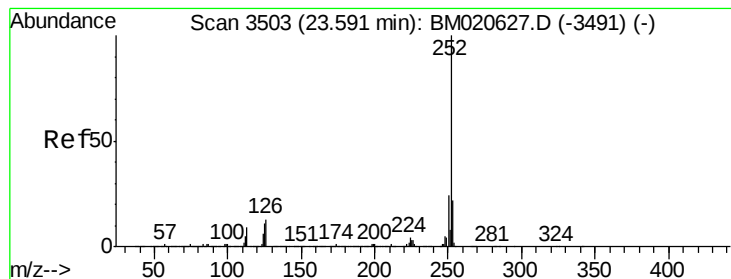
#89
Benzo(k)fluoranthene
Concen: 4.806 ng
RT: 22.98 min Scan# 3399
Delta R.T. -0.06 min
Lab File: BM020686.D
Acq: 04 Jun 2019 00:18

Tgt Ion:252 Resp: 335262
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 11.7 7.8 11.8



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: 2.508 ng

RT: 23.56 min Scan# 3498

Delta R.T. -0.03 min

Lab File: BM020686.D

Acq: 04 Jun 2019 00:18

Instrument :

BNA_M

ClientSampleId :

TP-1A-S

Tgt Ion: 252 Resp: 162408

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.3 8.6 13.0

