

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
 Data File : BM022238.D
 Acq On : 21 Aug 2019 20:39
 Operator : HP/JU
 Sample : K4086-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 22 03:45:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 02:18:05 2019
 Response via : Initial Calibration

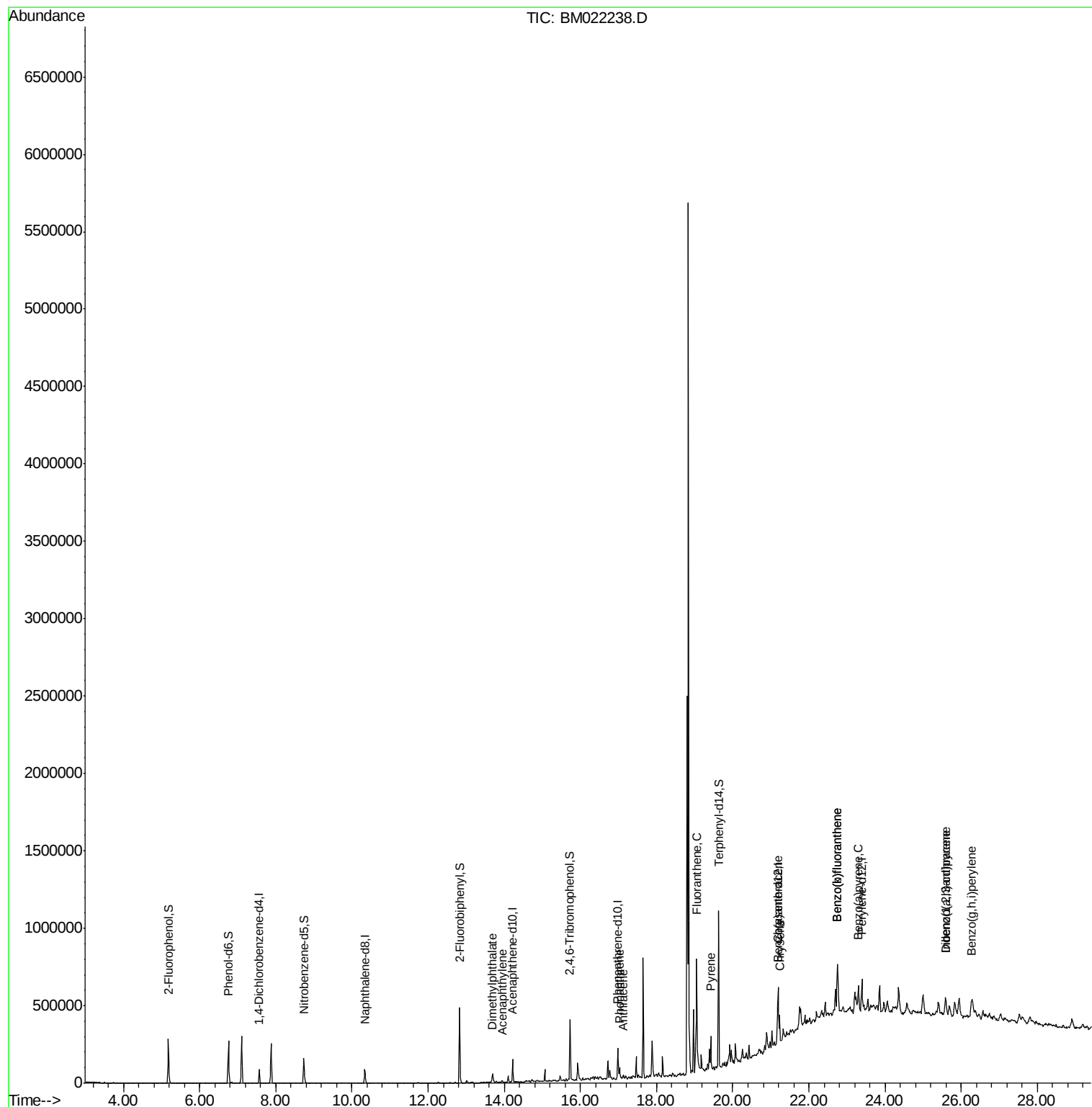
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	19591	20.00	ng	-0.01
21) Naphthalene-d8	10.34	136	70232	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	44455	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	95107	20.00	ng	0.00
76) Chrysene-d12	21.19	240	114848	20.00	ng	0.00
87) Perylene-d12	23.39	264	135286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	99472	90.48	ng	0.00
7) Phenol-d6	6.76	99	130461	89.11	ng	0.00
23) Nitrobenzene-d5	8.73	82	93322	64.63	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	61986	86.15	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	222007	62.37	ng	-0.01
79) Terphenyl-d14	19.63	244	399312	50.66	ng	0.00
Target Compounds				Qvalue		
49) Acenaphthylene	13.95	152	11546	2.616	ng	97
50) Dimethylphthalate	13.70	163	34056	9.112	ng	99
71) Phenanthrene	17.03	178	32422	5.879	ng	98
72) Anthracene	17.12	178	17610	3.216	ng	98
75) Fluoranthene	19.06	202	133263	20.037	ng	99
78) Pyrene	19.42	202	118608	14.672	ng	99
81) Benzo(a)anthracene	21.17	228	86504	10.710	ng	95
83) Chrysene	21.23	228	94879	12.169	ng	95
86) Indeno(1,2,3-cd)pyrene	25.59	276	78360	8.972	ng	# 94
88) Benzo(b)fluoranthene	22.74	252	206860	22.900	ng	# 96
89) Benzo(k)fluoranthene	22.74	252	205791	23.306	ng	# 96
90) Benzo(a)pyrene	23.30	252	99413	12.084	ng	95
91) Dibenzo(a,h)anthracene	25.59	278	22186	2.538	ng	# 68
92) Benzo(g,h,i)perylene	26.27	276	81224	10.628	ng	96

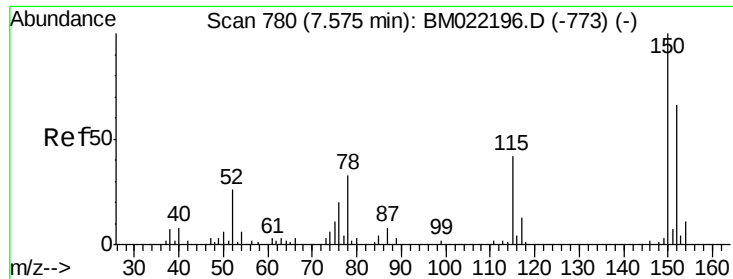
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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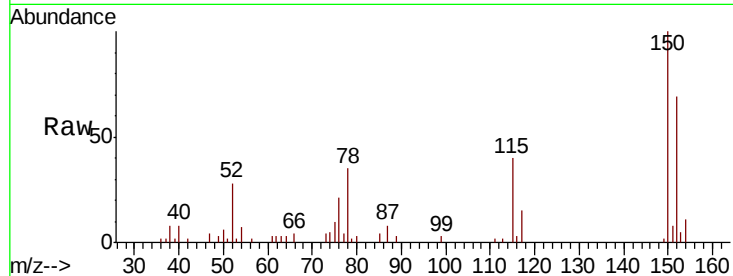




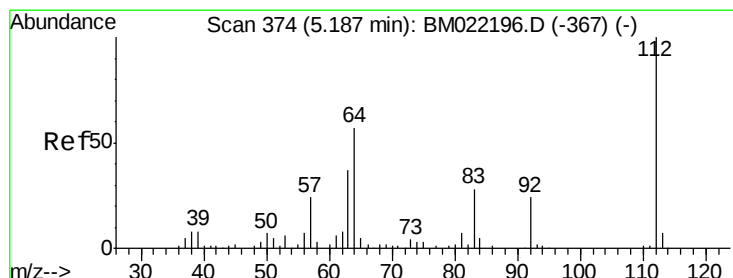
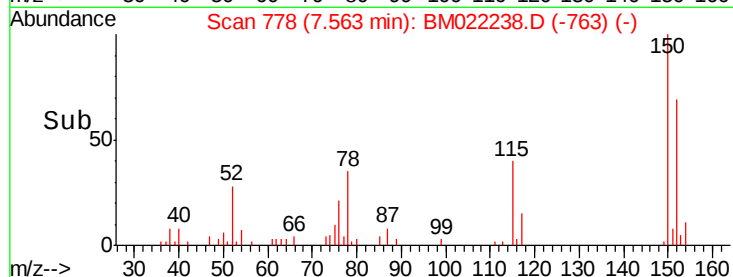
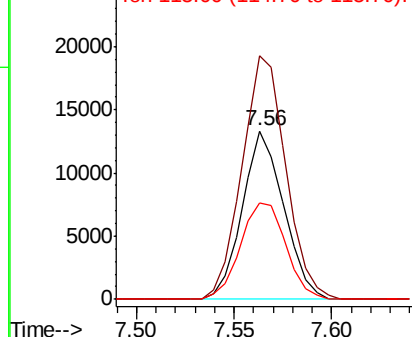
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.56 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:152 Resp: 19591
 Ion Ratio Lower Upper
 152 100
 150 144.5 123.1 184.7
 115 57.1 44.2 66.4

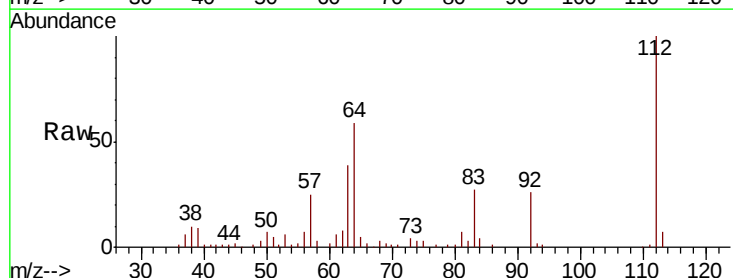


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

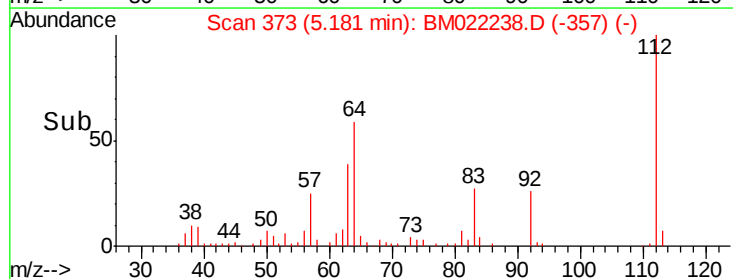
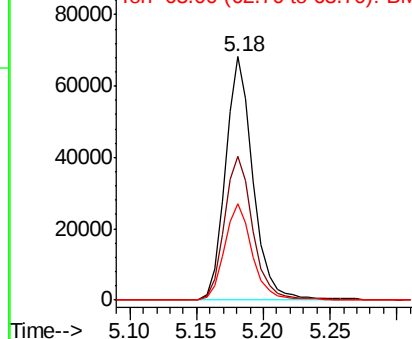


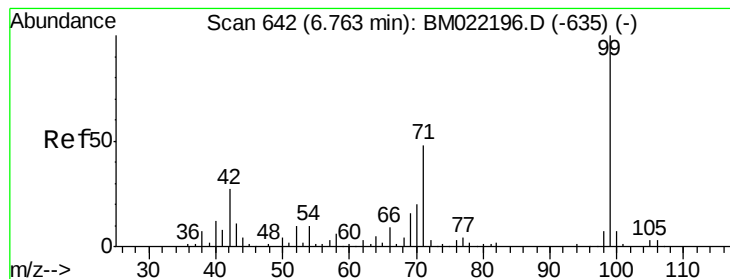
#5
 2-Fluorophenol
 Concen: 90.479 ng
 RT: 5.18 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Tgt Ion:112 Resp: 99472
 Ion Ratio Lower Upper
 112 100
 64 59.2 45.2 67.8
 63 39.4 23.5 35.3#



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: 89.110 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampled :

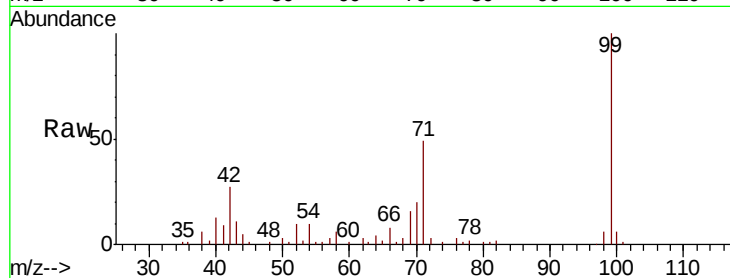
Tot Ion: 99 Resp: 130461

Ion Ratio Lower Upper

99 100

42 26.7 13.5 20.3#

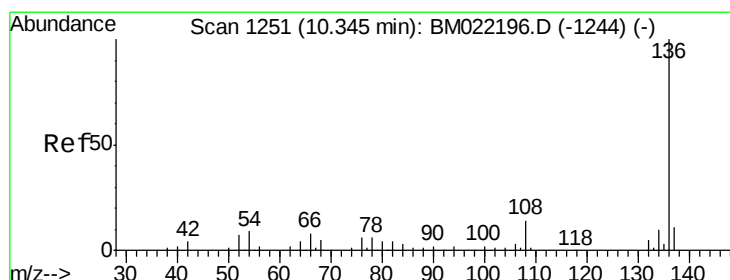
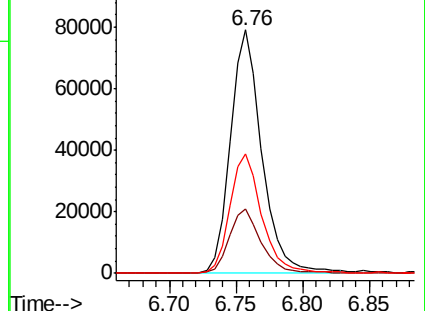
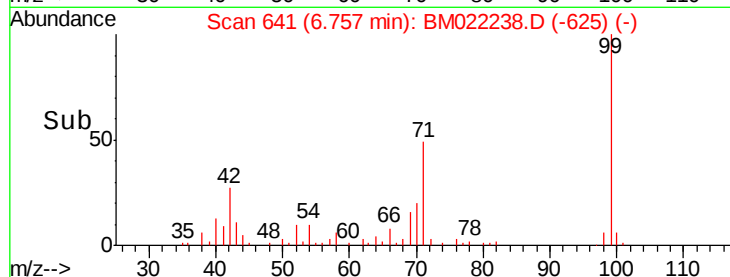
71 49.1 29.3 43.9#



Abundance Ion 99.00 (98.70 to 99.70): BM022196.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022196.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022196.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion: 136 Resp: 70232

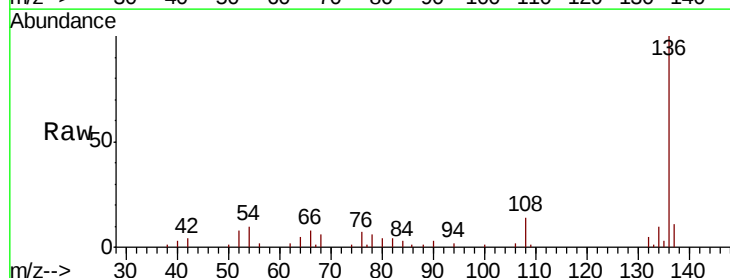
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 5.3 7.9#

68 5.6 4.4 6.6

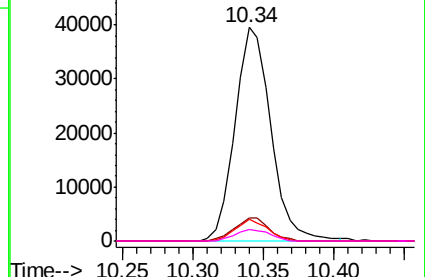
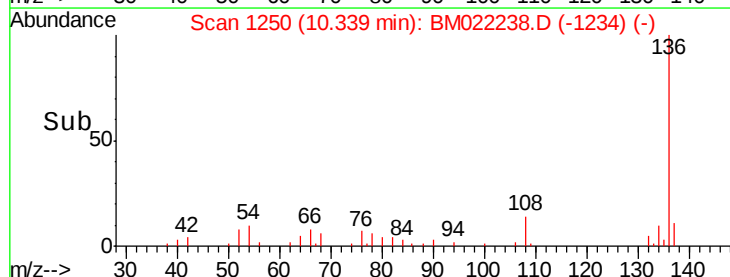


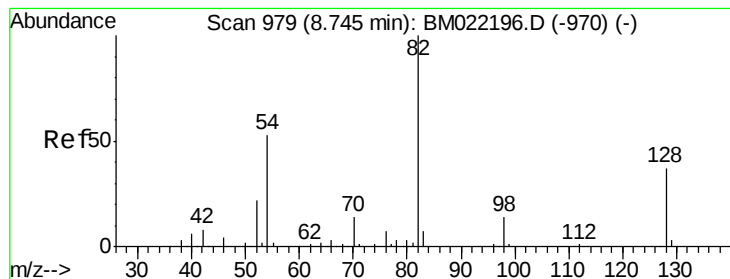
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

Ion 137.00 (136.70 to 137.70): BM022196.D (-1244) (-)

Ion 54.00 (53.70 to 54.70): BM022196.D (-1244) (-)

Ion 68.00 (67.70 to 68.70): BM022196.D (-1244) (-)





#23

Nitrobenzene-d5

Concen: 64.627 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampleId :

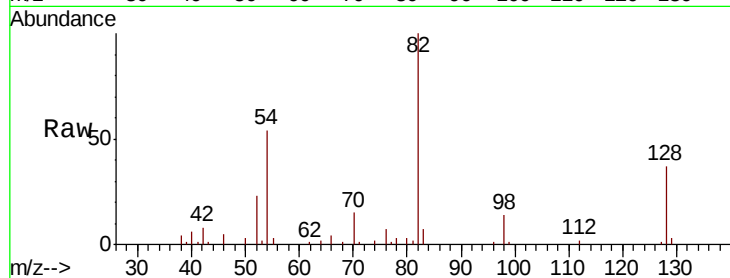
Tot Ion: 82 Resp: 93322

Ion Ratio Lower Upper

82 100

128 36.6 35.9 53.9

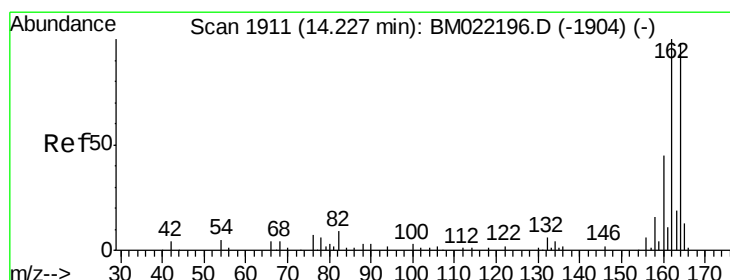
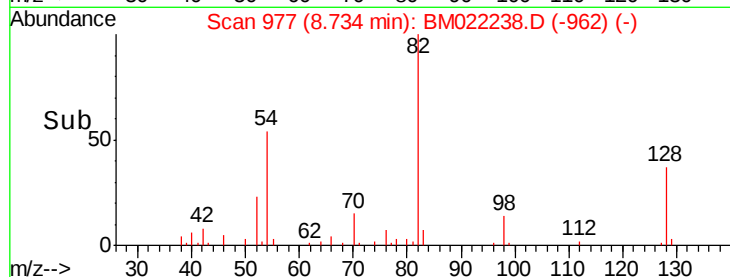
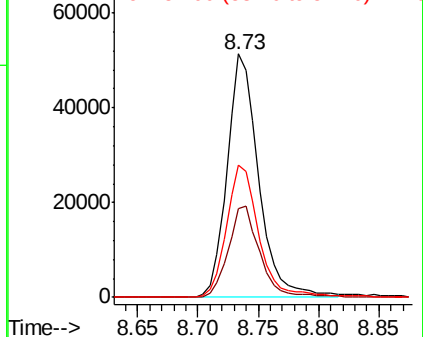
54 54.2 36.6 55.0



Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

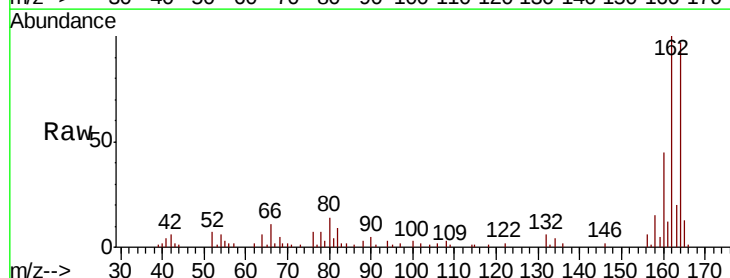
Tgt Ion:164 Resp: 44455

Ion Ratio Lower Upper

164 100

162 103.5 82.1 123.1

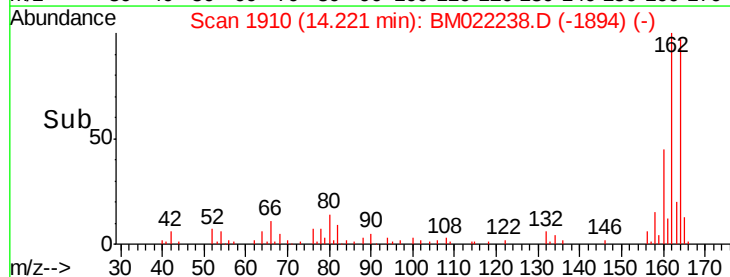
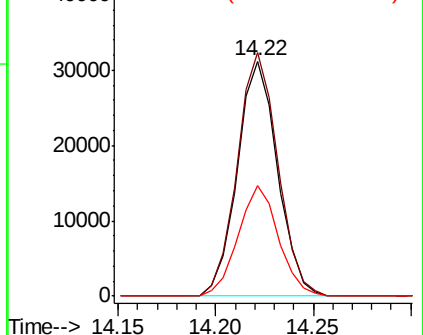
160 47.0 37.1 55.7



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

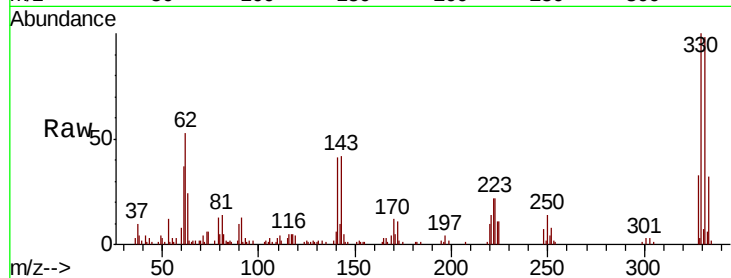




#42
 2,4,6-Tribromophenol
 Concen: 86.146 ng
 RT: 15.73 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	49.1	21.8	32.8#

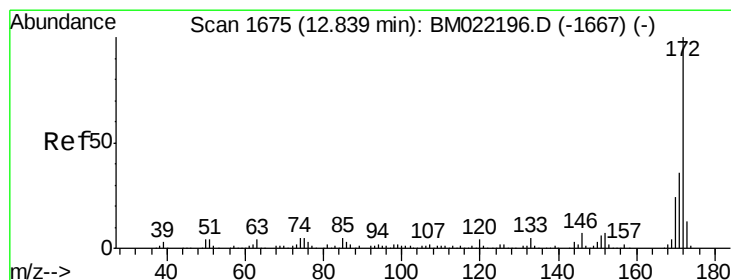
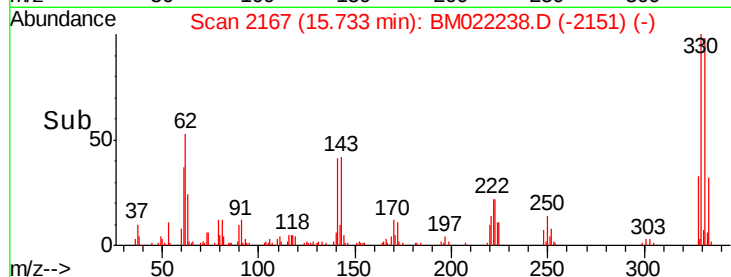
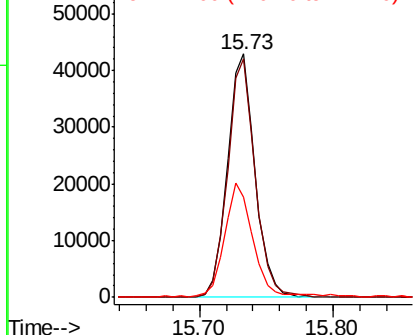


Abundance

Ion 329.80 (329.50 to 330.50): E

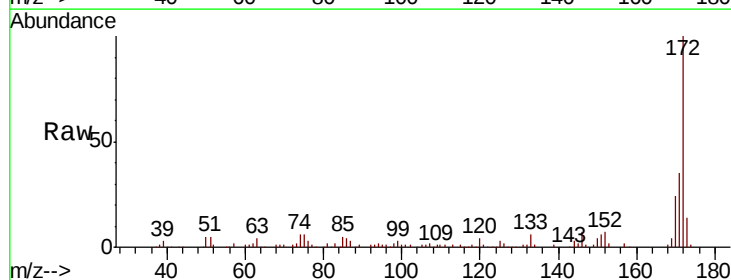
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.374 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.6	18.7	28.1

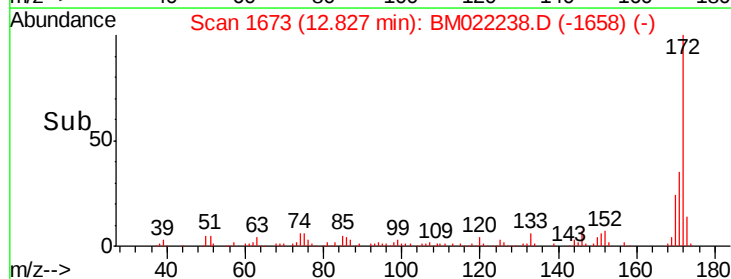
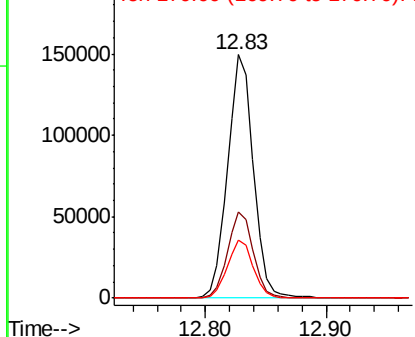


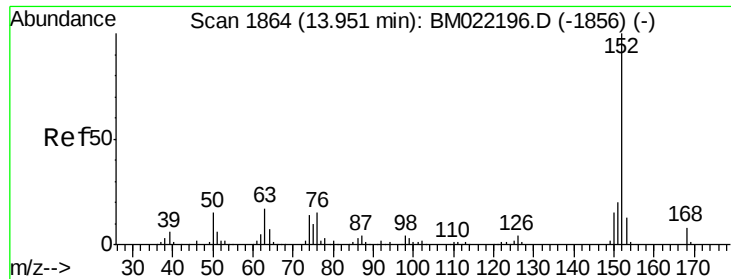
Abundance

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: 2.616 ng

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampleId :

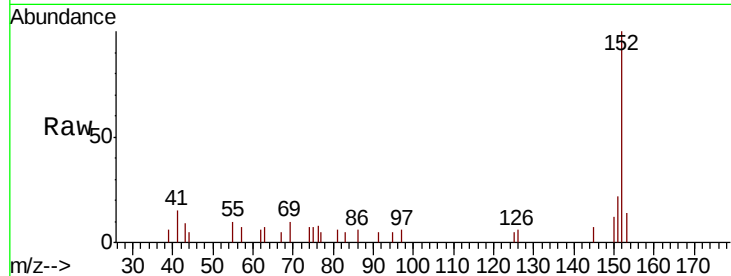
Tot Ion:152 Resp: 11546

Ion Ratio Lower Upper

152 100

151 21.8 16.1 24.1

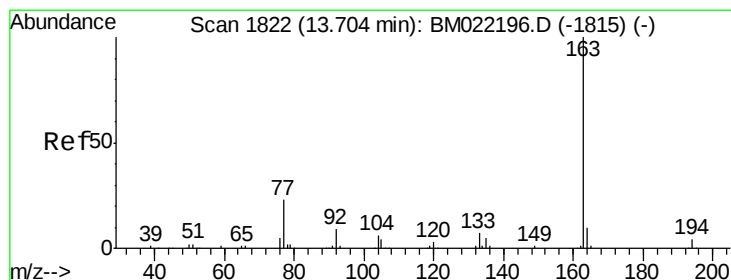
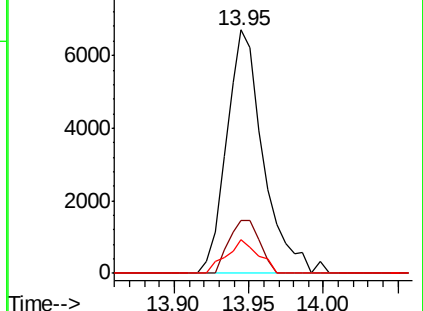
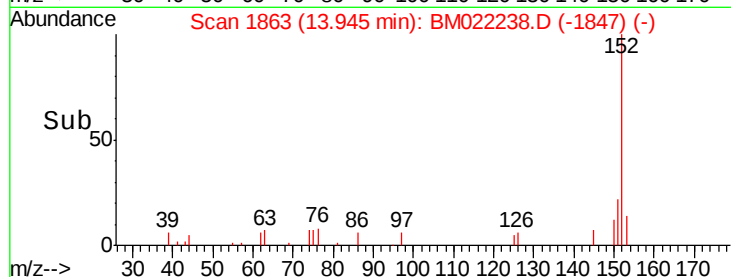
153 13.7 10.6 16.0



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: 9.112 ng

RT: 13.70 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

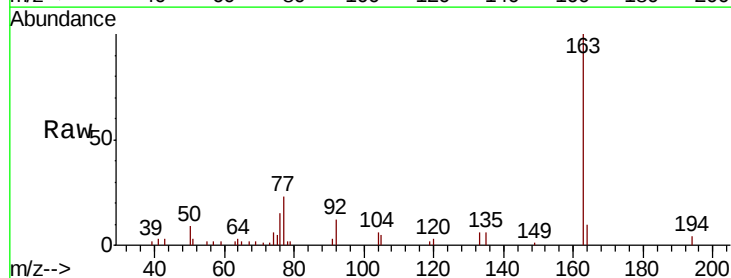
Tgt Ion:163 Resp: 34056

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

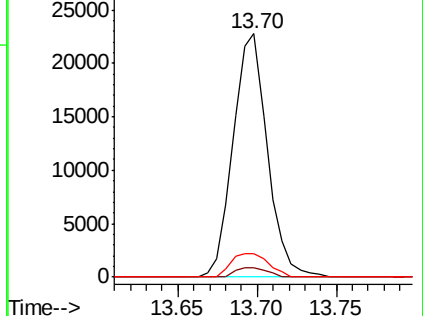
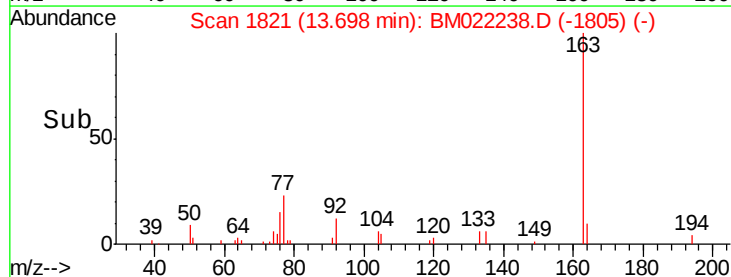
164 9.8 8.2 12.2

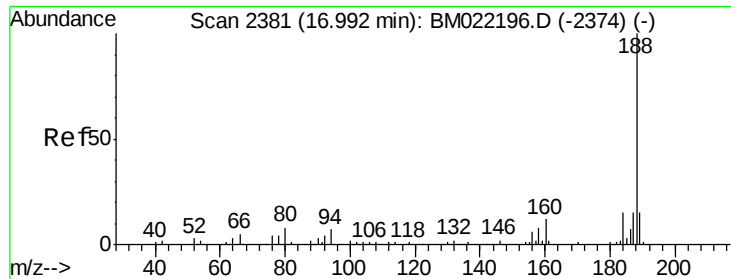


Abundance Ion 163.00 (162.70 to 163.70): E

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: 16.99 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampleId :

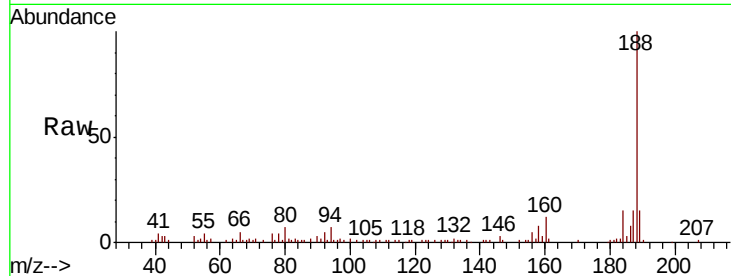
Tot Ion:188 Resp: 95107

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

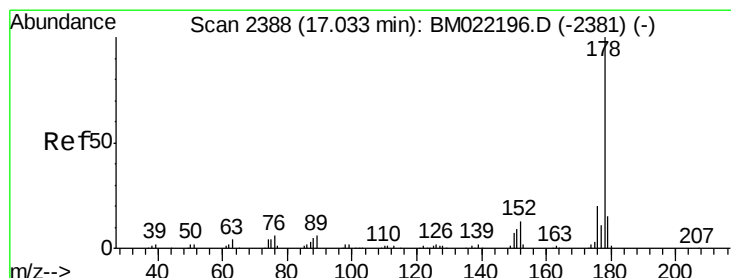
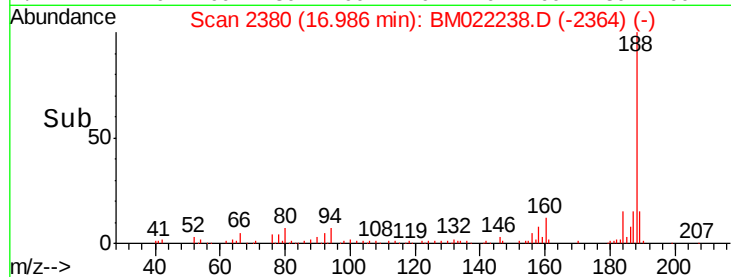
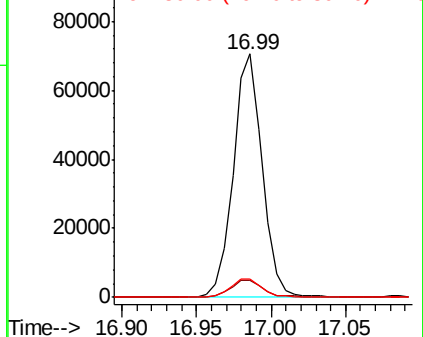
80 7.4 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 5.879 ng

RT: 17.03 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

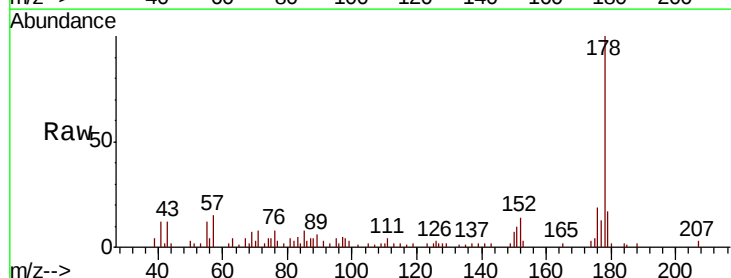
Tgt Ion:178 Resp: 32422

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

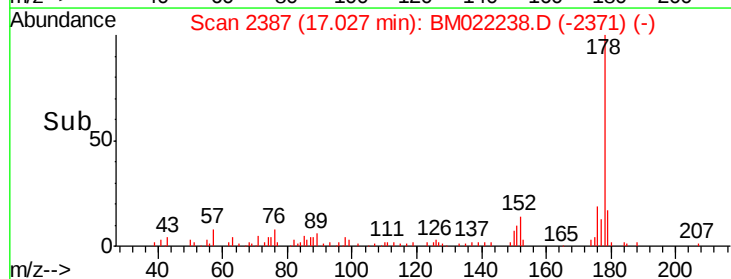
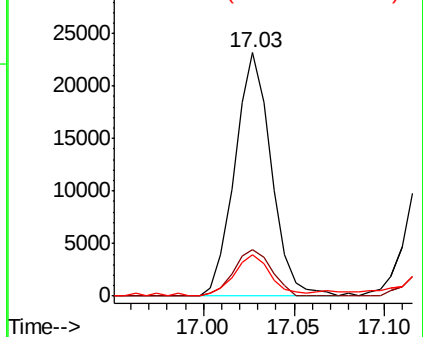
179 17.0 12.2 18.4

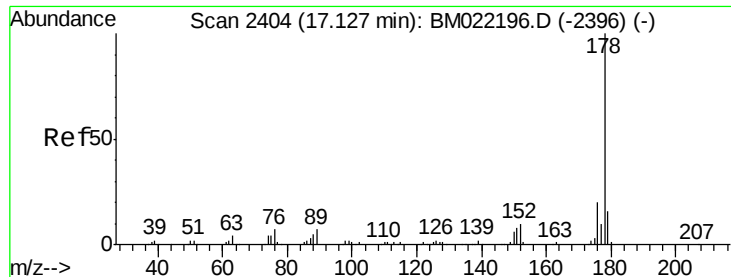


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.216 ng

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampled :

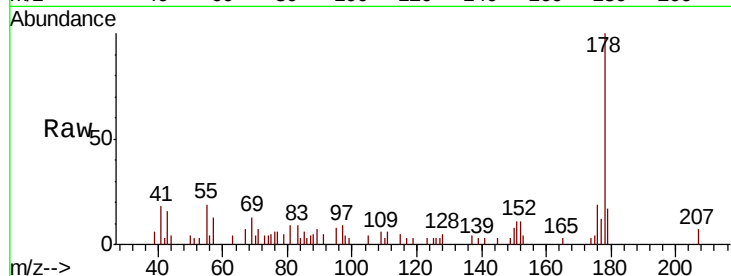
Tot Ion:178 Resp: 17610

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

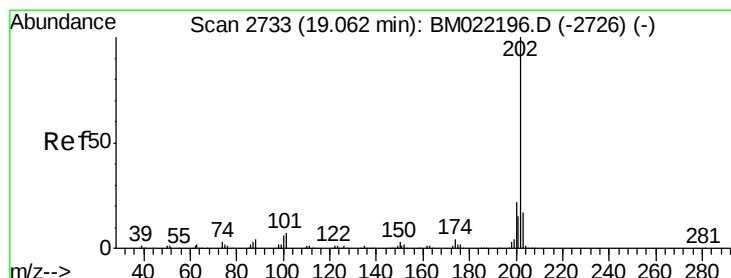
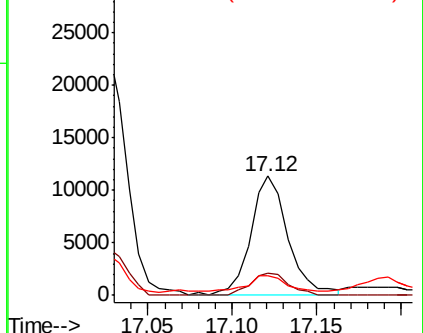
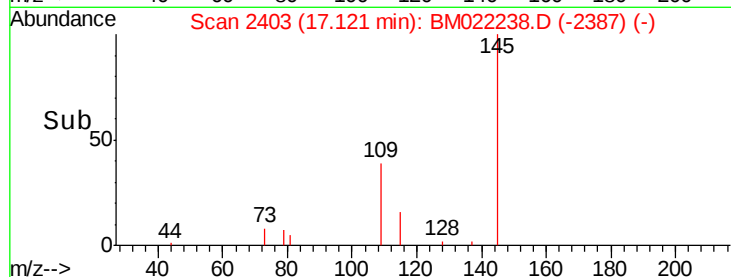
179 16.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 20.037 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

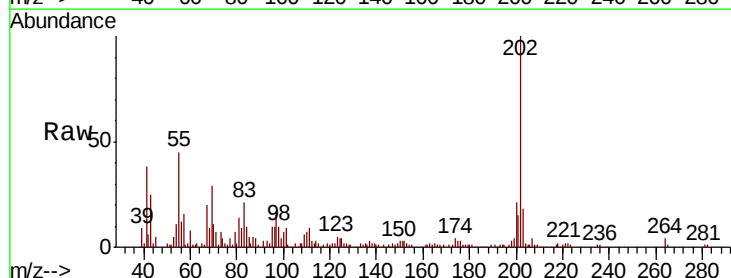
Tgt Ion:202 Resp: 133263

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.2

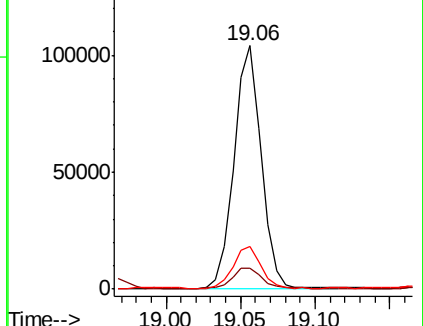
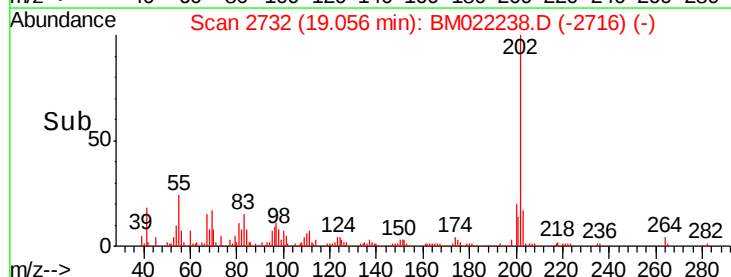
203 17.5 0.0 37.6

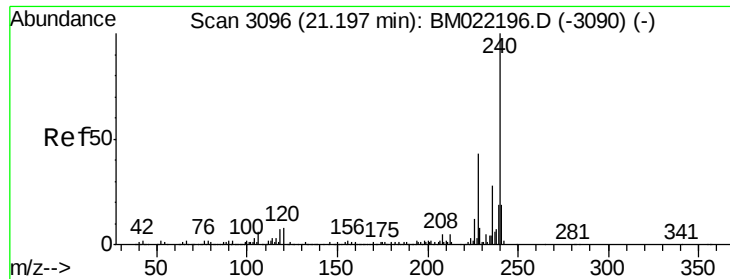


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

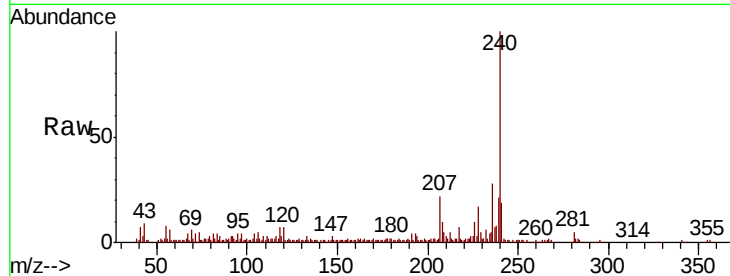




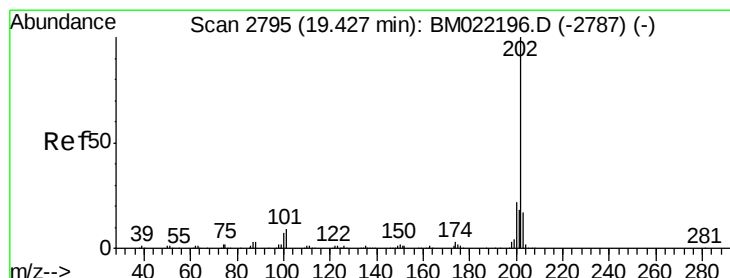
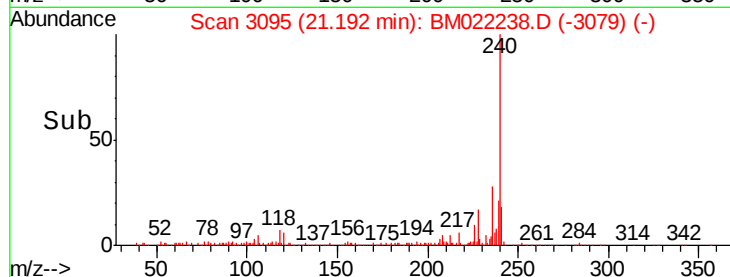
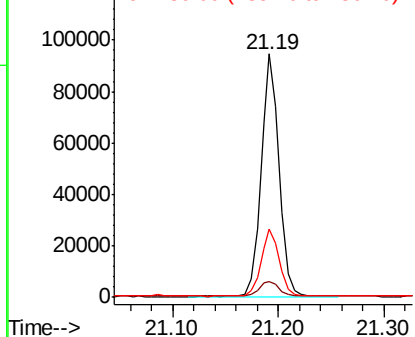
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion:240 Resp: 114848
Ion Ratio Lower Upper
240 100
120 6.7 6.9 10.3#
236 28.2 20.4 30.6

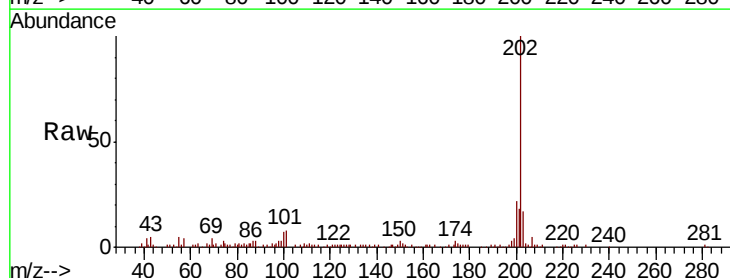


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

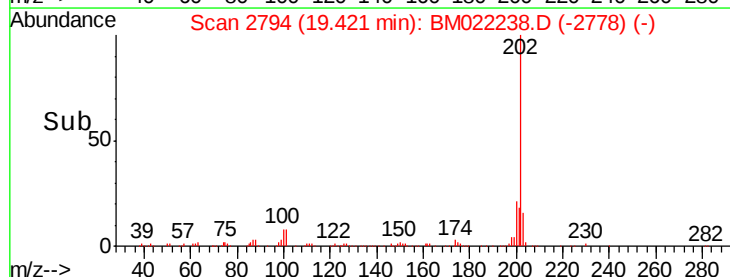
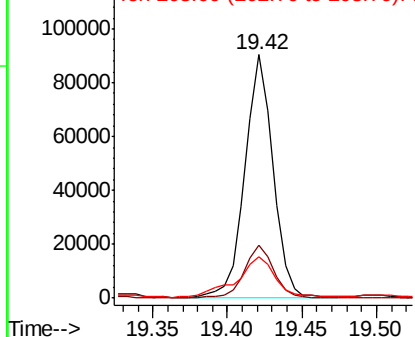


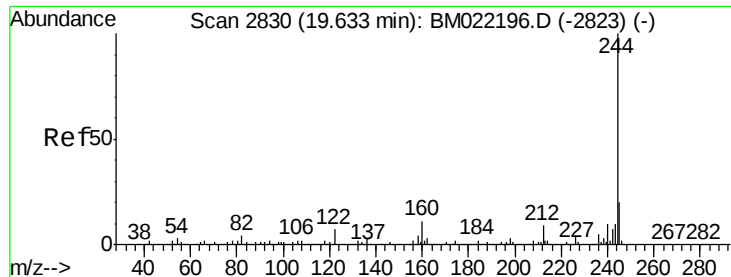
#78
Pyrene
Concen: 14.672 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion:202 Resp: 118608
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.1 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 50.661 ng

RT: 19.63 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

ClientSampleId :

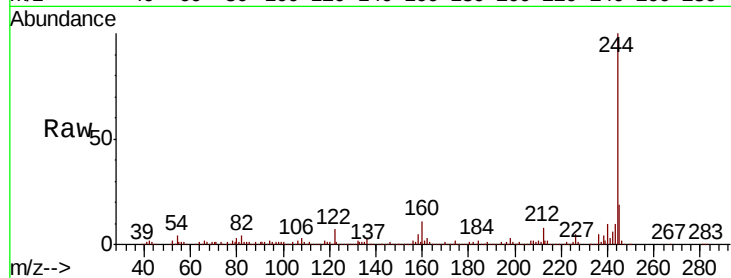
Tot Ion:244 Resp: 399312

Ion Ratio Lower Upper

244 100

212 8.3 5.3 7.9#

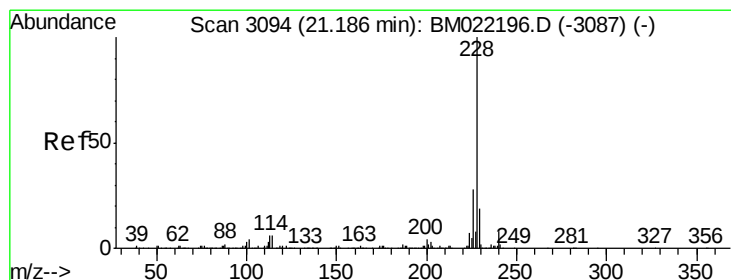
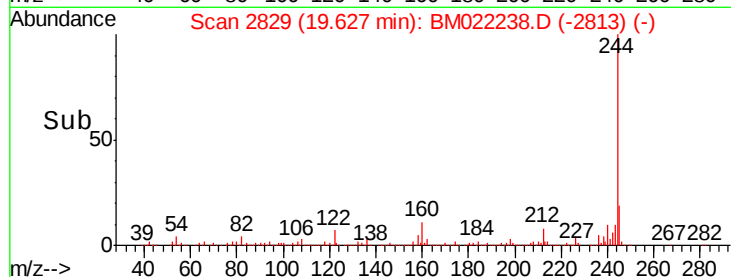
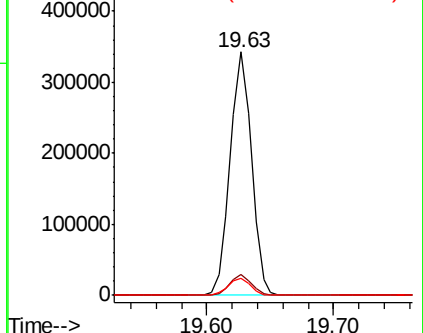
122 7.0 6.6 9.8



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: 10.710 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

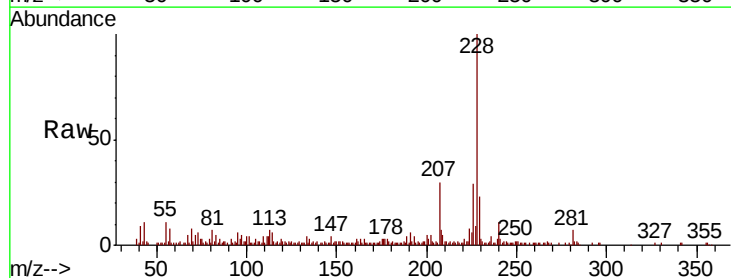
Tgt Ion:228 Resp: 86504

Ion Ratio Lower Upper

228 100

226 28.6 21.6 32.4

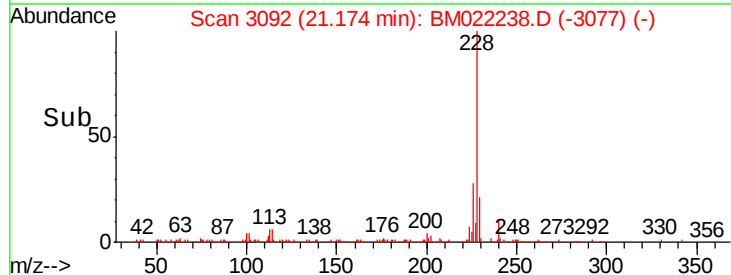
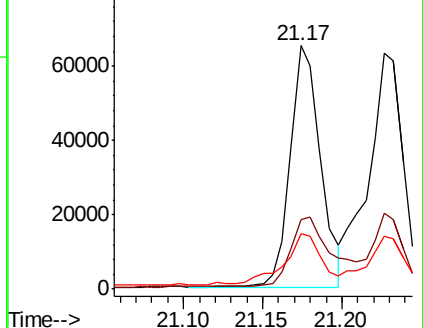
229 22.6 15.5 23.3

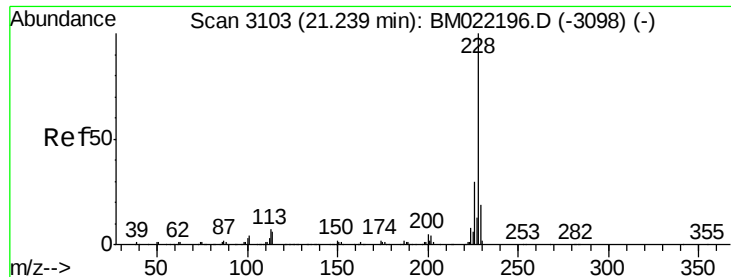


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

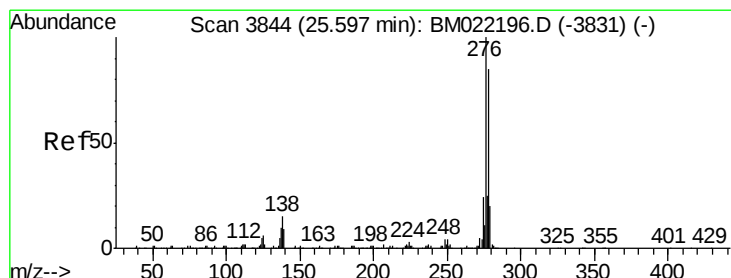
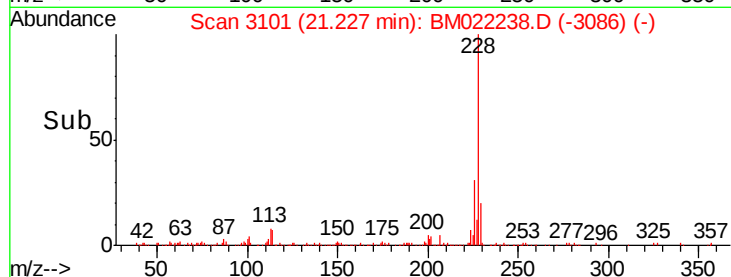
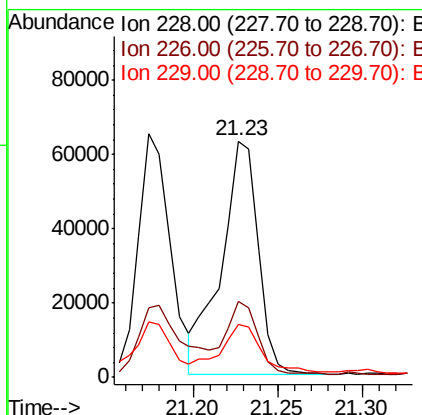
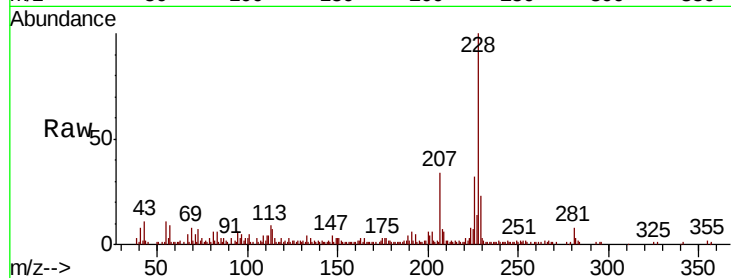




#83
Chrysene
Concen: 12.169 ng
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

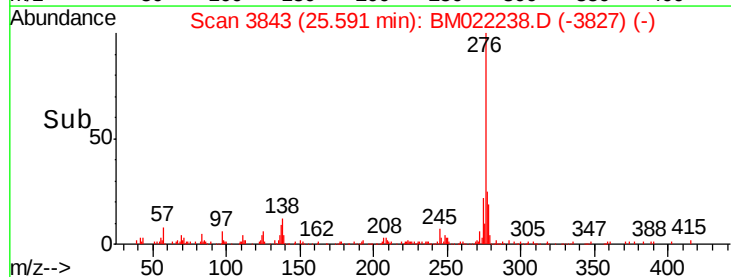
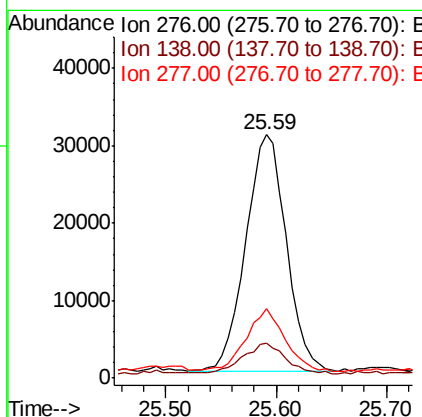
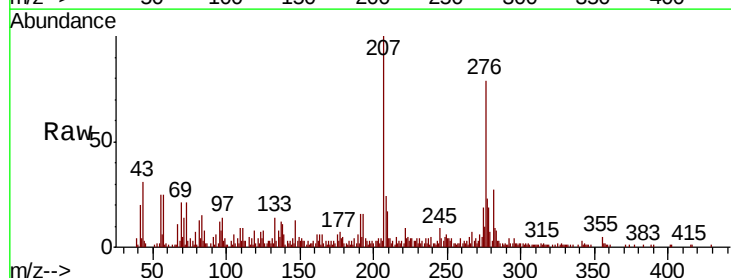
Instrument :
BNA_M
ClientSampleId :

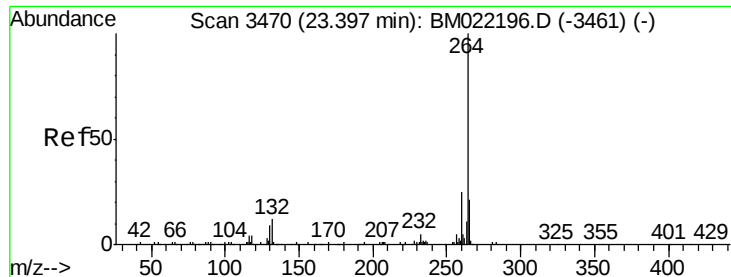
Tot Ion:228 Resp: 94879
Ion Ratio Lower Upper
228 100
226 32.1 24.1 36.1
229 22.5 15.6 23.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.972 ng
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion:276 Resp: 78360
Ion Ratio Lower Upper
276 100
138 13.2 15.4 23.0#
277 25.5 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.39 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

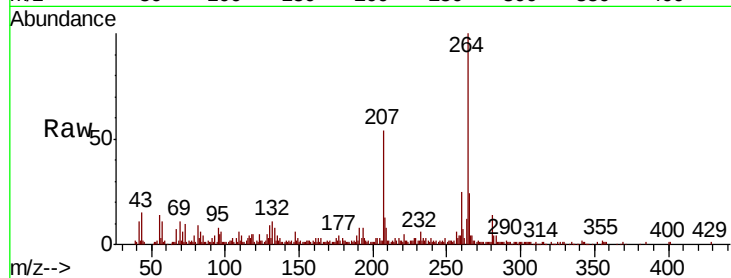
Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 135286

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.0	28.4
265	23.9	17.7	26.5

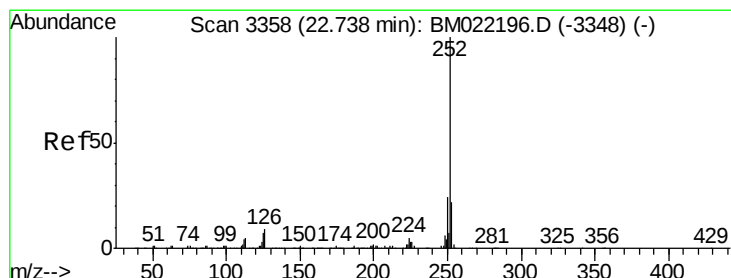
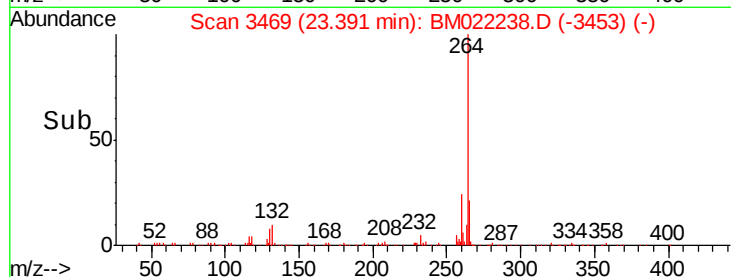
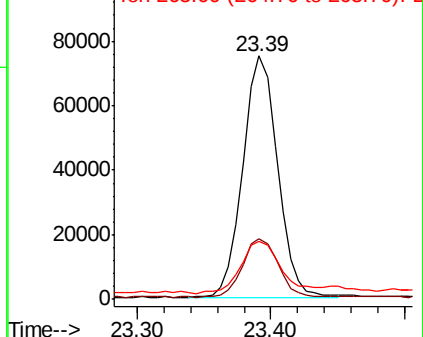


Abundance

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: 22.900 ng

RT: 22.74 min Scan# 3358

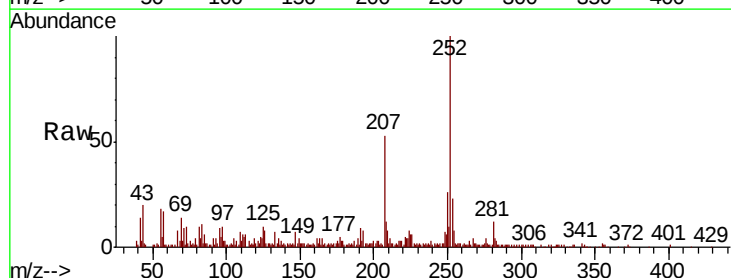
Delta R.T. 0.00 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion:252 Resp: 206860

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	9.9	5.9	8.9

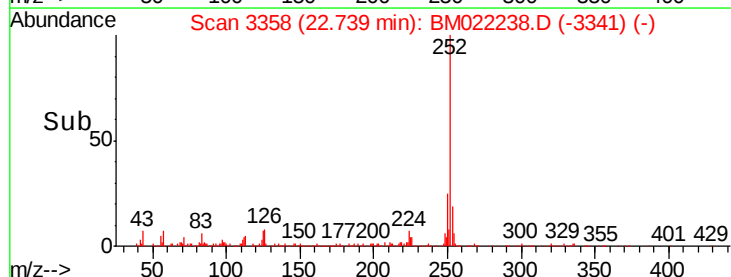
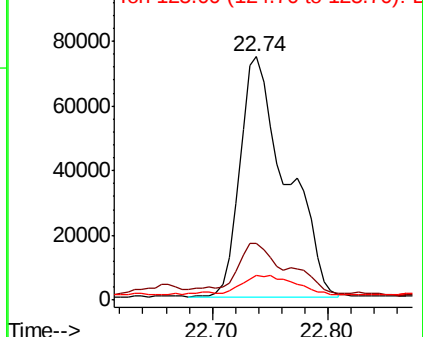


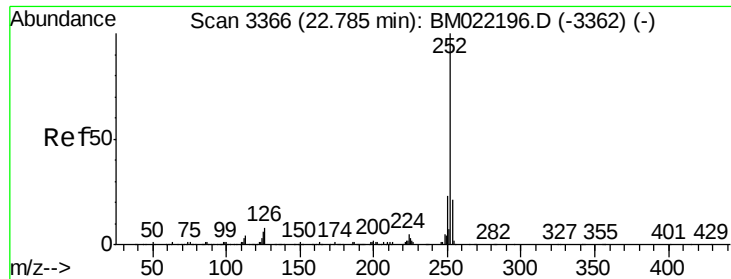
Abundance

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

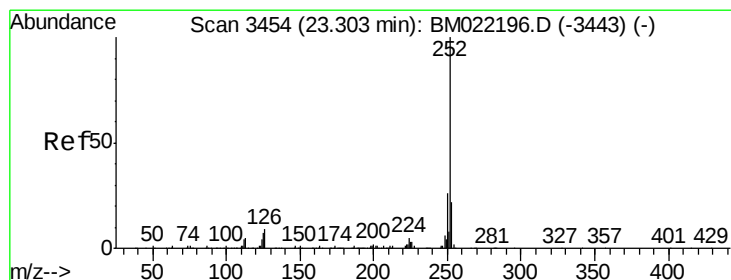
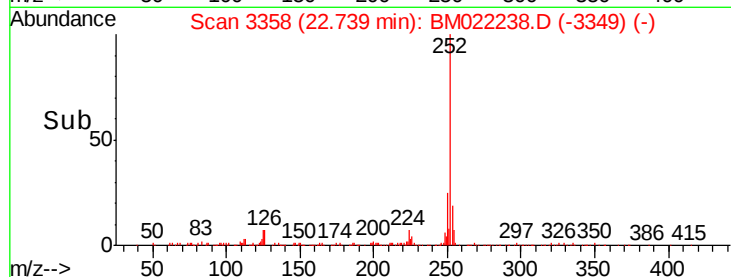
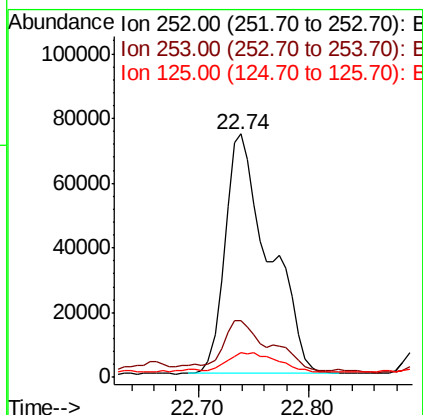
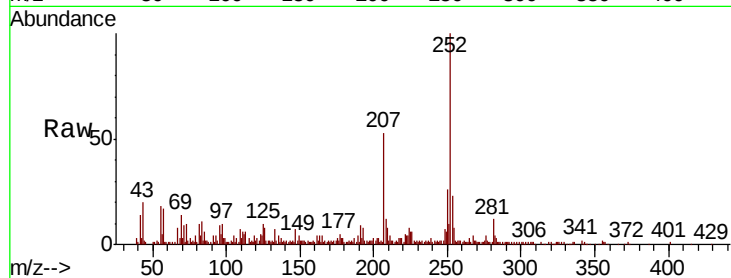




#89
Benzo(k)fluoranthene
Concen: 23.306 ng
RT: 22.74 min Scan# 3358
Delta R.T. -0.05 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

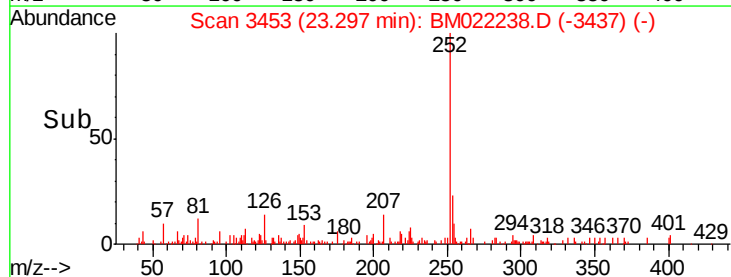
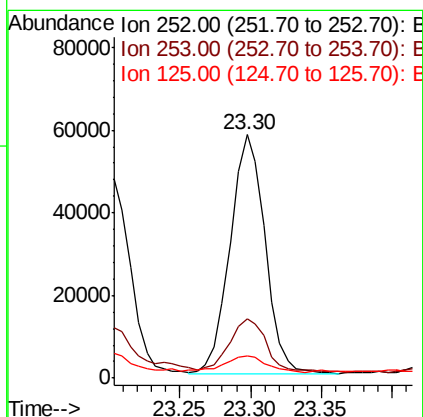
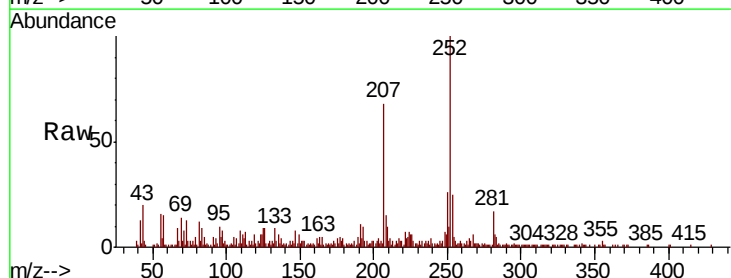
Instrument :
BNA_M
ClientSampleId :

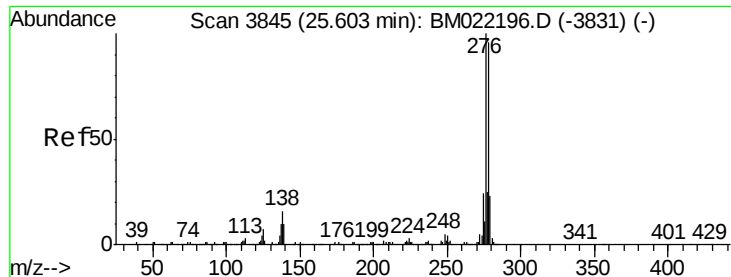
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	9.9	5.9	8.9



#90
Benzo(a)pyrene
Concen: 12.084 ng
RT: 23.30 min Scan# 3453
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	9.2	6.6	10.0

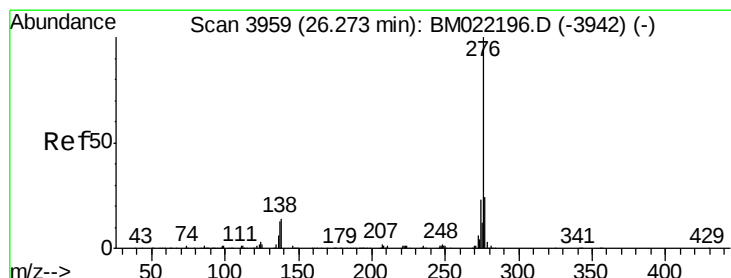
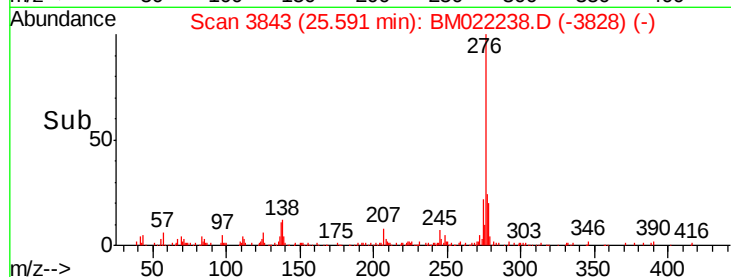
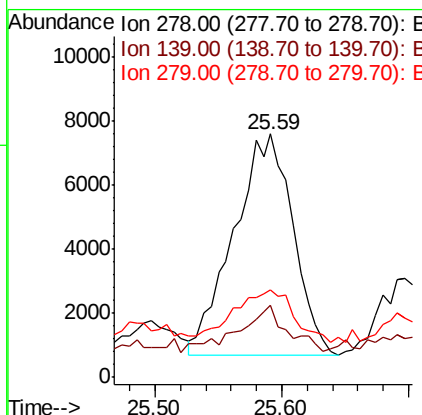
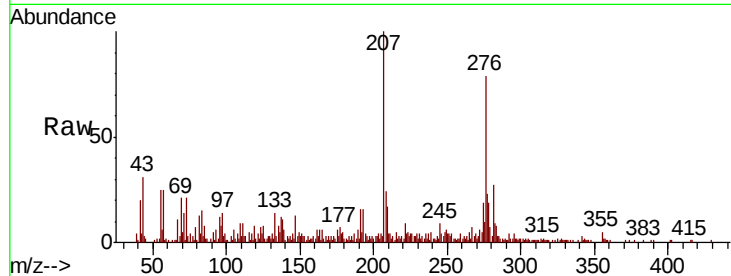




#91
Dibenzo(a,h)anthracene
Concen: 2.538 ng
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 22186
Ion Ratio Lower Upper
278 100
139 29.5 9.8 14.8#
279 36.1 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 10.628 ng
RT: 26.27 min Scan# 3958
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion:276 Resp: 81224
Ion Ratio Lower Upper
276 100
277 26.4 18.8 28.2
138 16.9 13.1 19.7

