

Data File : BM022428.D
Acq On : 30 Aug 2019 03:27
Operator : HP/JU
Sample : K4596-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Quant Time: Aug 30 07:55:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	15264	20.00	ng	-0.01
21) Naphthalene-d8	10.30	136	52739	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	32700	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	76889	20.00	ng	0.00
76) Chrysene-d12	21.17	240	112593	20.00	ng	0.00
87) Perylene-d12	23.35	264	140113	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	78873	90.70	ng	0.00
7) Phenol-d6	6.72	99	99310	85.40	ng	0.00
23) Nitrobenzene-d5	8.69	82	69801	57.97	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	55535	83.00	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	164909	57.13	ng	0.00
79) Terphenyl-d14	19.60	244	385625	45.20	ng	0.00

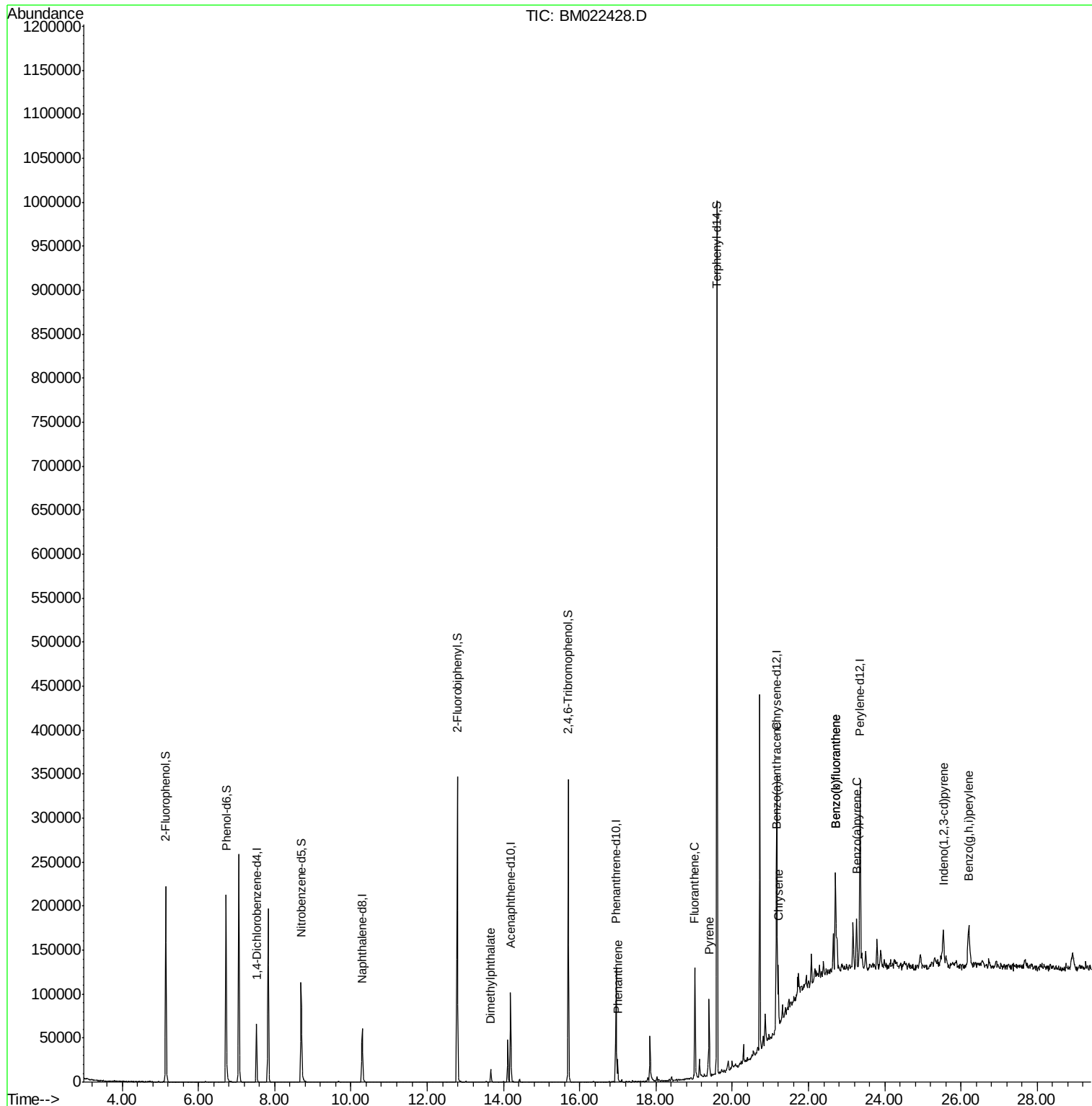
Target Compounds				Qvalue		
50) Dimethylphthalate	13.67	163	11726	4.123	ng	98
71) Phenanthrene	17.00	178	16683	3.722	ng	99
75) Fluoranthene	19.03	202	62327	10.443	ng	98
78) Pyrene	19.39	202	50200	6.542	ng	98
81) Benzo(a)anthracene	21.15	228	28568	3.535	ng	98
83) Chrysene	21.20	228	37410	4.863	ng	98
86) Indeno(1,2,3-cd)pyrene	25.53	276	36916	4.771	ng	96
88) Benzo(b)fluoranthene	22.70	252	68598	7.047	ng	# 97
89) Benzo(k)fluoranthene	22.70	252	68336	7.077	ng	# 95
90) Benzo(a)pyrene	23.26	252	37847	4.381	ng	# 97
92) Benzo(g,h,i)perylene	26.20	276	36237	4.826	ng	# 94

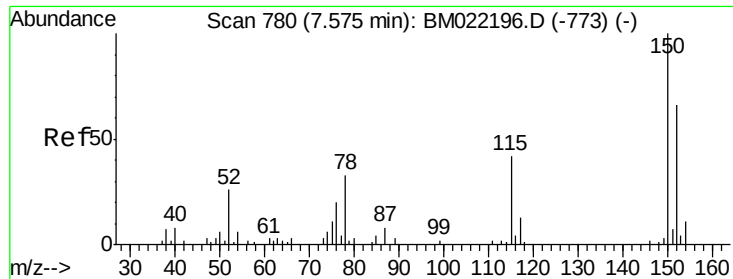
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BM022428.D
Acq On : 30 Aug 2019 03:27
Operator : HP/JU
Sample : K4596-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Quant Time: Aug 30 07:55:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

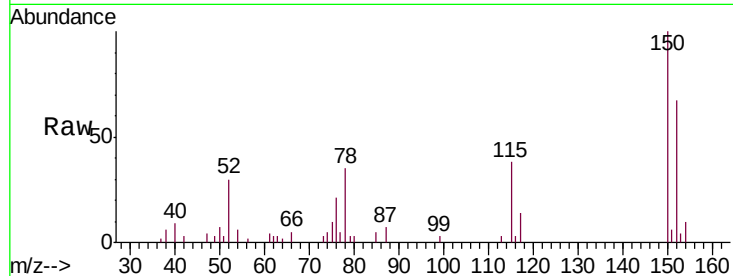




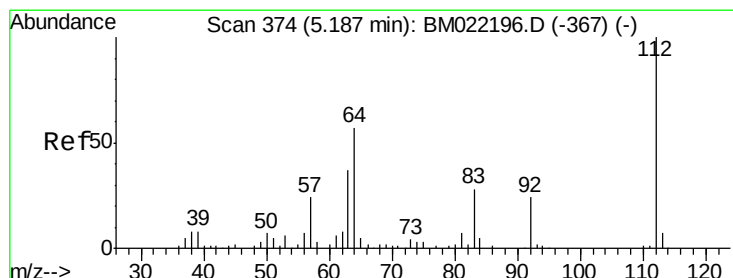
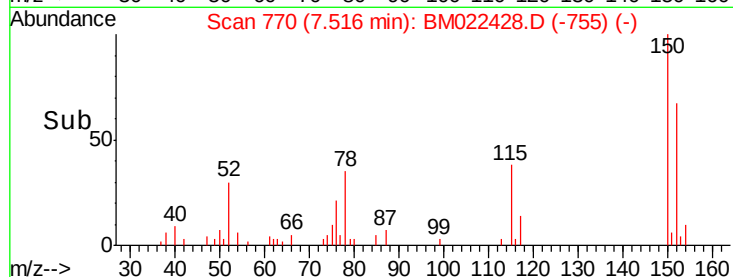
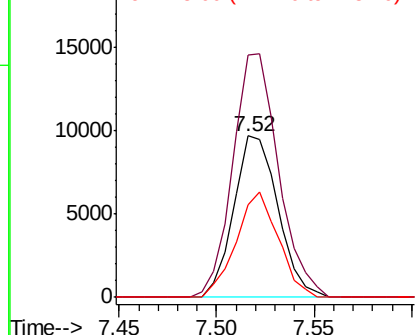
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Tgt Ion:152 Resp: 15264
 Ion Ratio Lower Upper
 152 100
 150 150.2 125.4 188.0
 115 57.6 50.3 75.5

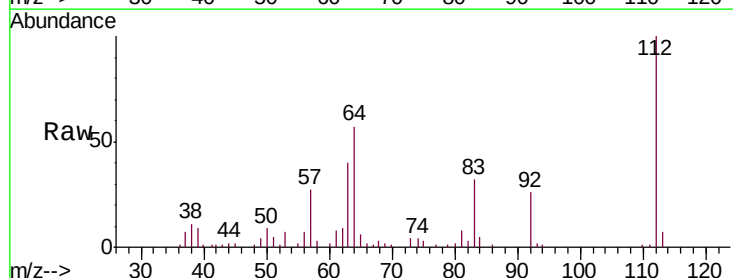


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

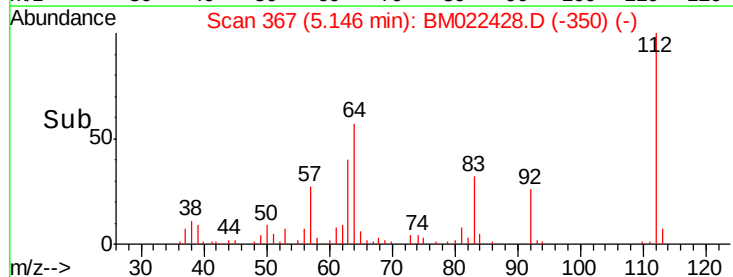
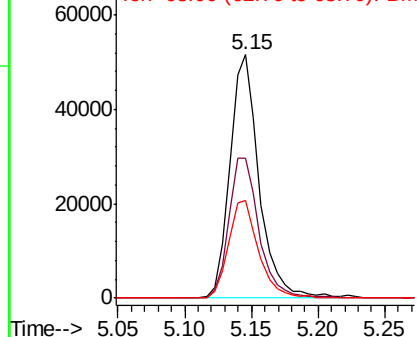


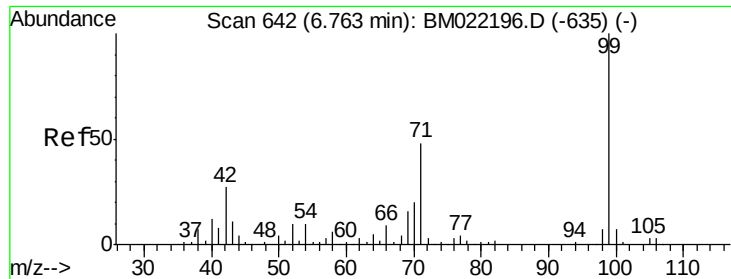
#5
 2-Fluorophenol
 Concen: 90.702 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Tgt Ion:112 Resp: 78873
 Ion Ratio Lower Upper
 112 100
 64 57.4 45.4 68.2
 63 40.0 34.5 51.7



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: 85.402 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

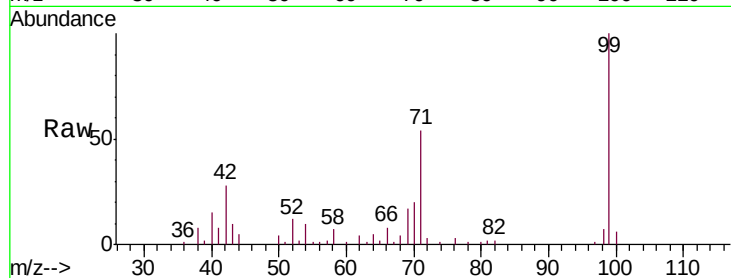
Tgt Ion: 99 Resp: 99310

Ion Ratio Lower Upper

99 100

42 28.2 26.3 39.5

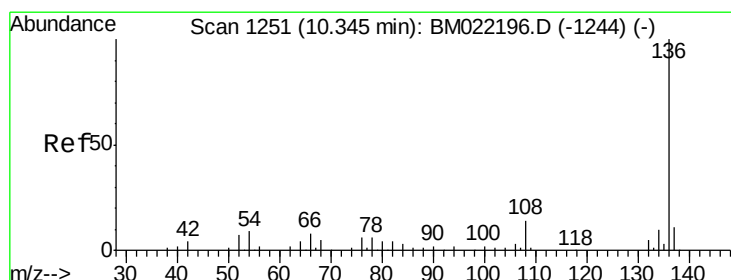
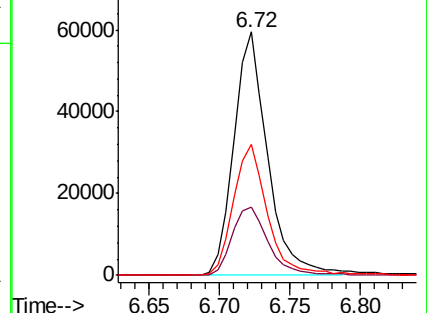
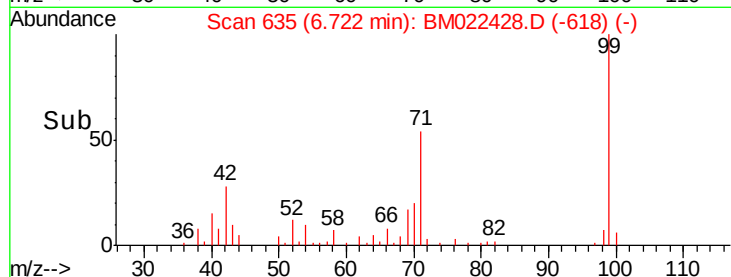
71 53.6 46.6 69.8



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: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Tgt Ion: 136 Resp: 52739

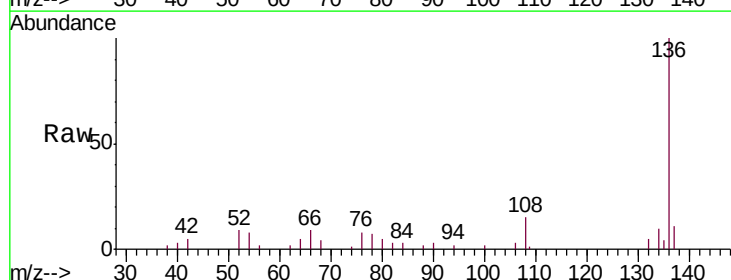
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.4 7.0 10.6

68 4.4 2.9 4.3#

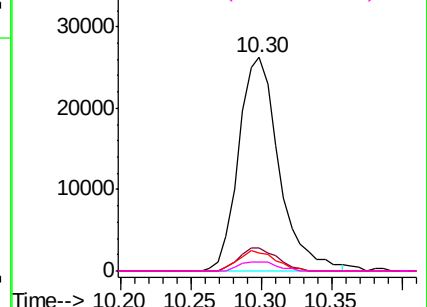
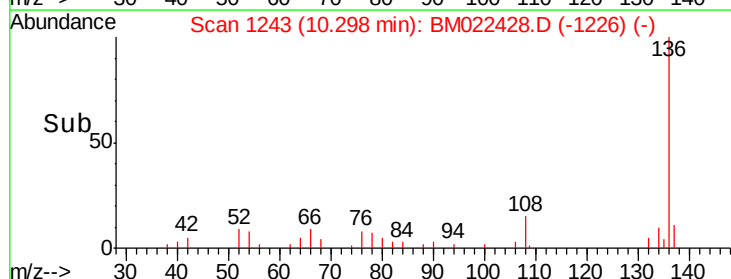


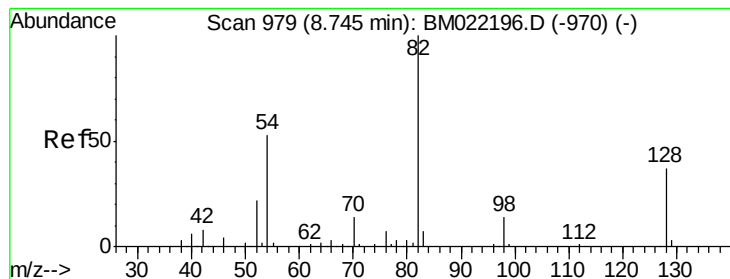
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

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: 57.971 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

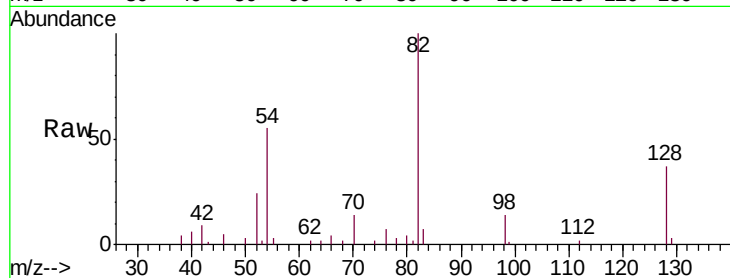
Tgt Ion: 82 Resp: 69801

Ion Ratio Lower Upper

82 100

128 36.6 27.9 41.9

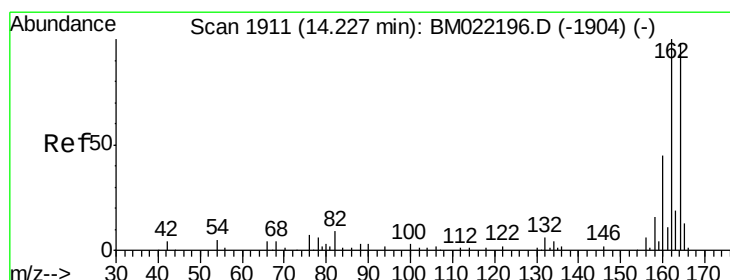
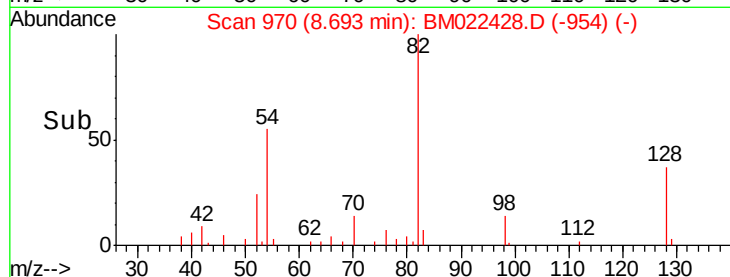
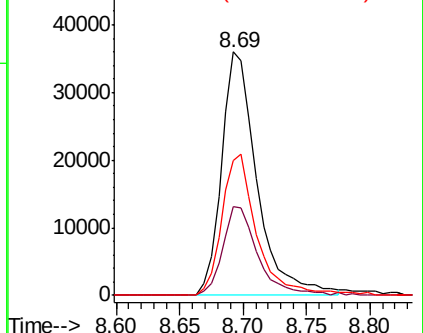
54 55.4 45.2 67.8



Abundance Ion 82.00 (81.70 to 82.70): BM022428.D (-954) (-)

Ion 128.00 (127.70 to 128.70): BM022428.D (-954) (-)

Ion 54.00 (53.70 to 54.70): BM022428.D (-954) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

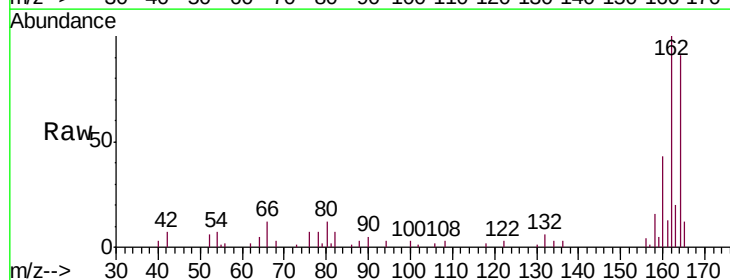
Tgt Ion: 164 Resp: 32700

Ion Ratio Lower Upper

164 100

162 110.4 80.6 121.0

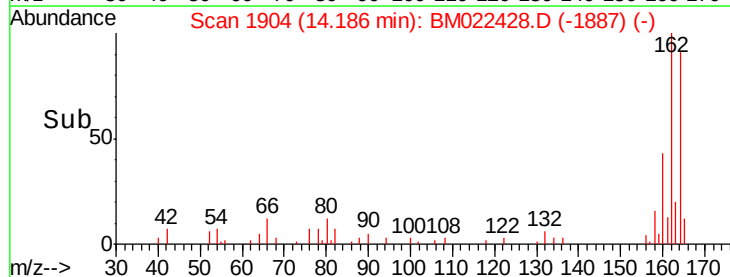
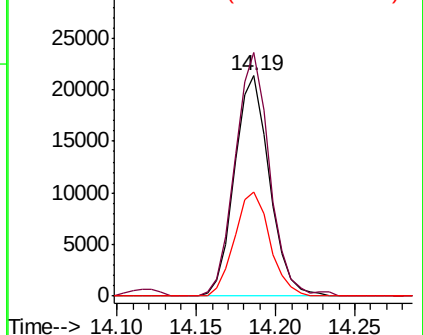
160 47.5 37.3 55.9

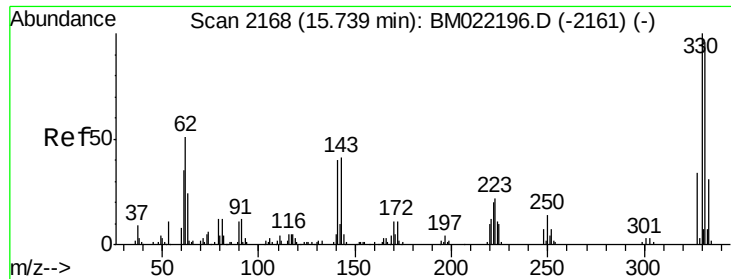


Abundance Ion 164.00 (163.70 to 164.70): BM022428.D (-1887) (-)

Ion 162.00 (161.70 to 162.70): BM022428.D (-1887) (-)

Ion 160.00 (159.70 to 160.70): BM022428.D (-1887) (-)

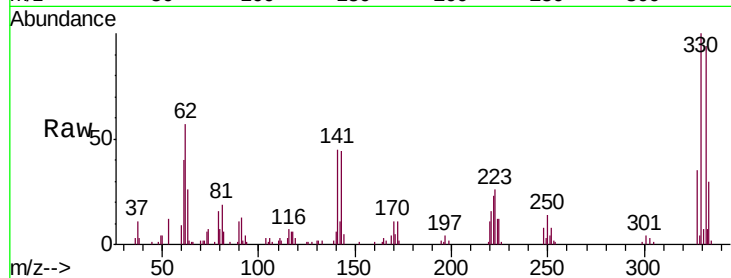




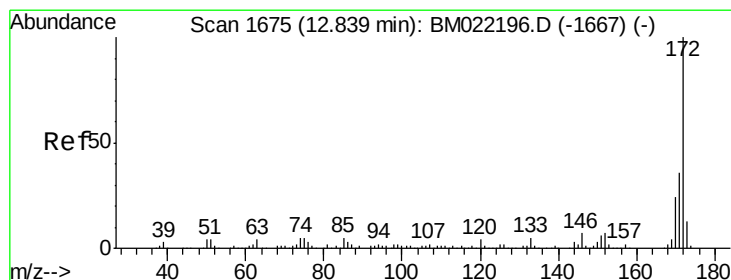
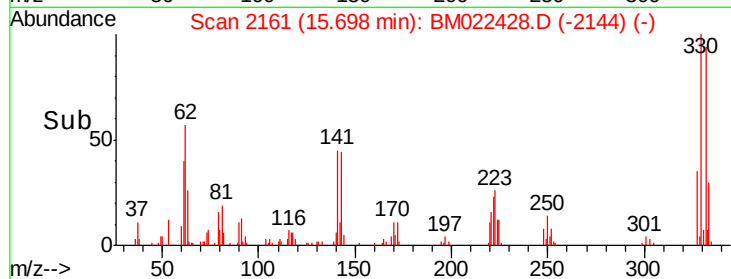
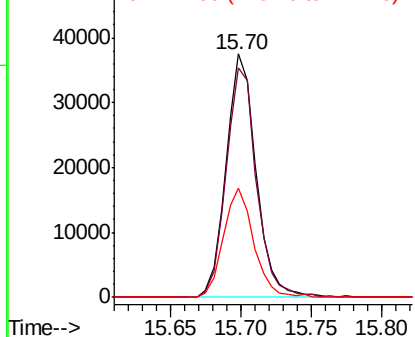
#42
 2,4,6-Tribromophenol
 Concen: 82.996 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Tgt Ion: 330 Resp: 55535
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.8 116.8
 141 45.0 35.6 53.4

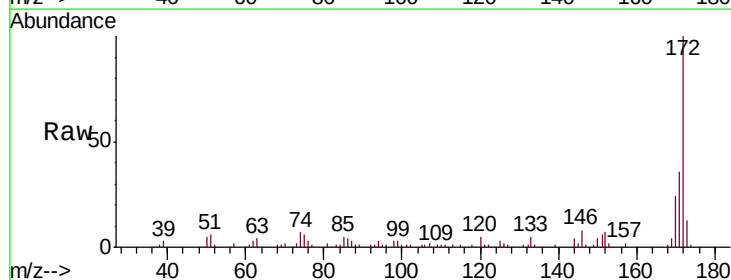


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

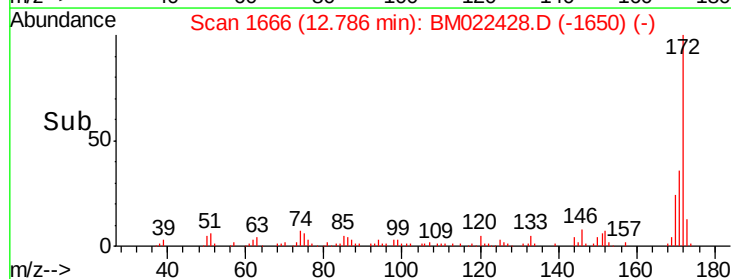
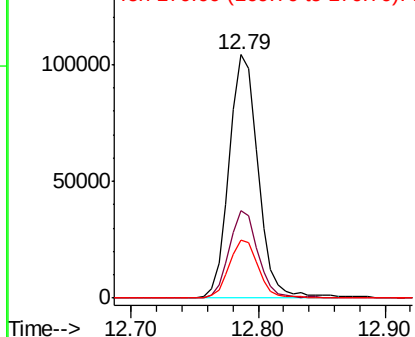


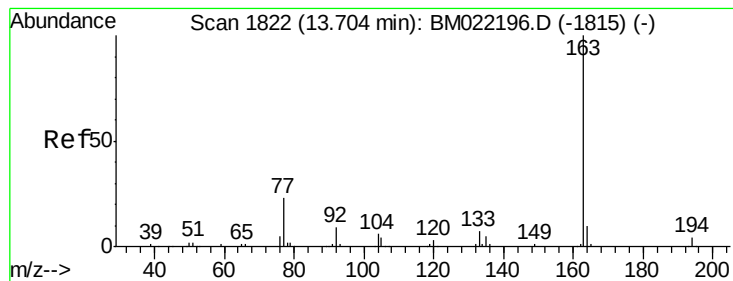
#45
 2-Fluorobiphenyl
 Concen: 57.130 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Tgt Ion: 172 Resp: 164909
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.5 42.7
 170 24.1 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: 4.123 ng

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

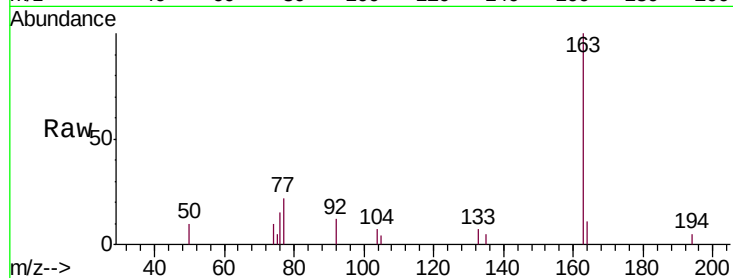
Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

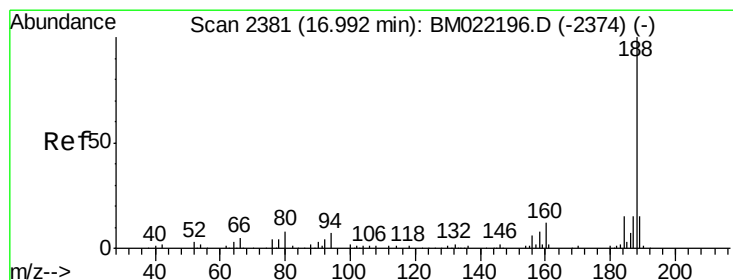
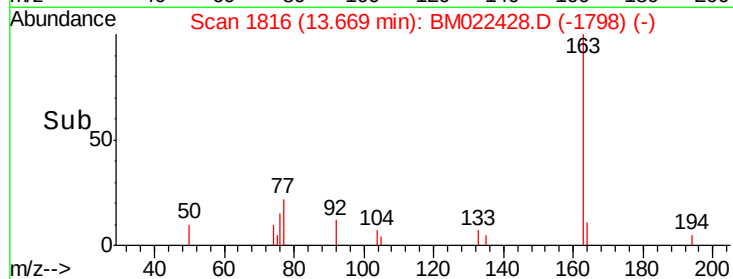
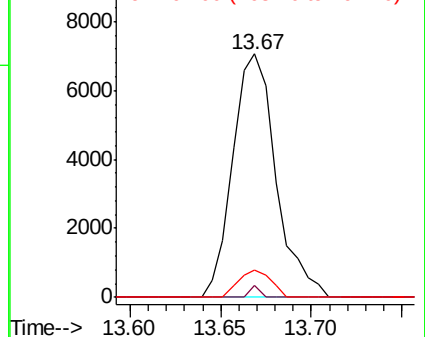
Tgt Ion:163	Resp:	11726
Ion Ratio	Lower	Upper
163	100	
194	4.9	3.4 5.2
164	11.2	8.2 12.2



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

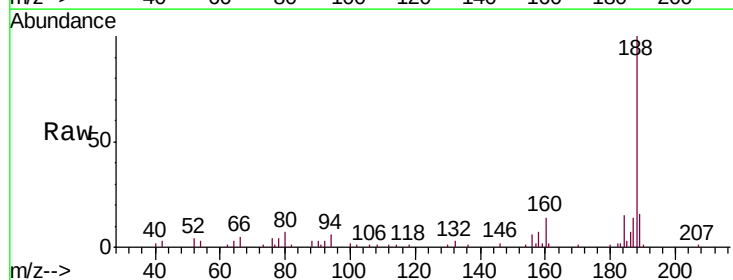
RT: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

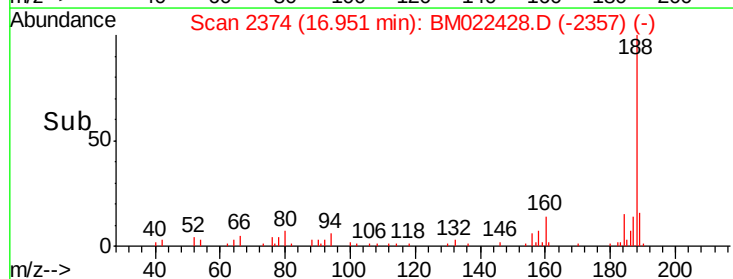
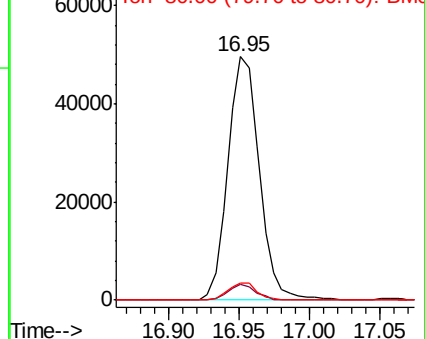
Tgt Ion:188	Resp:	76889
Ion Ratio	Lower	Upper
188	100	
94	6.3	4.4 6.6
80	7.1	5.0 7.6

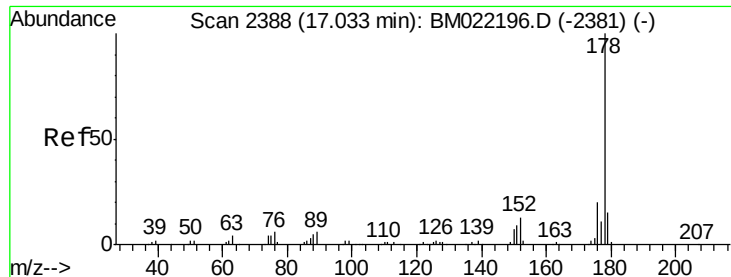


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

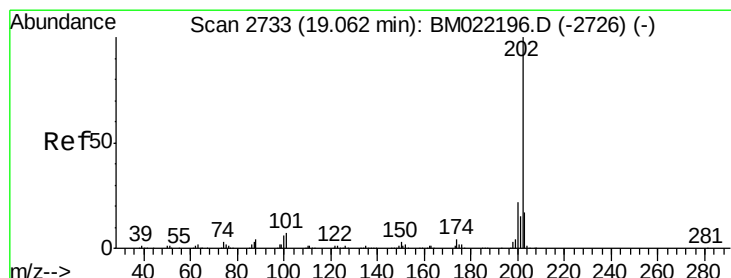
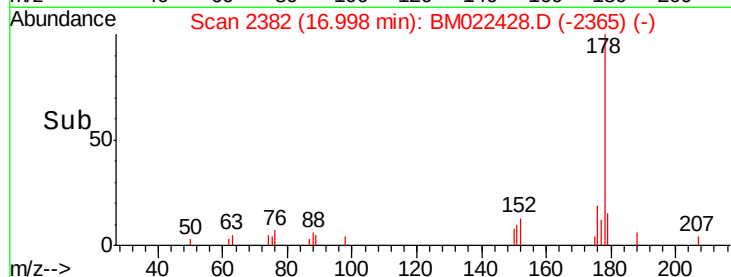
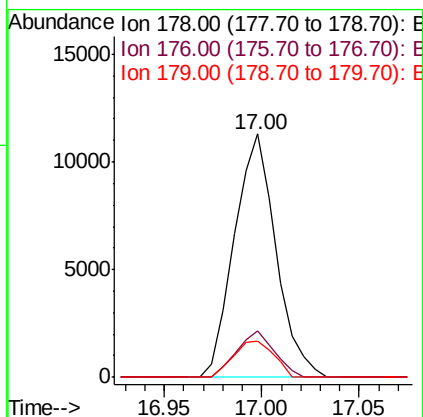
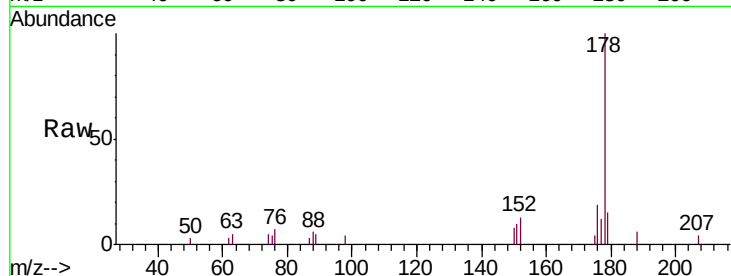




#71
Phenanthrene
Concen: 3.722 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

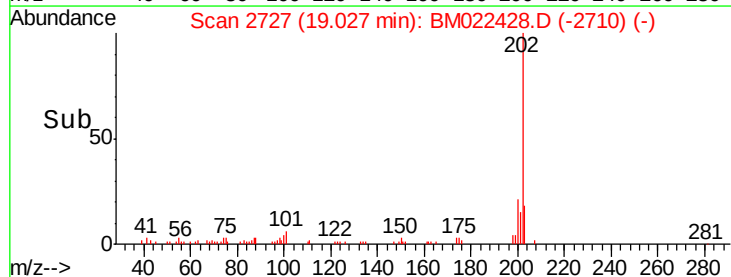
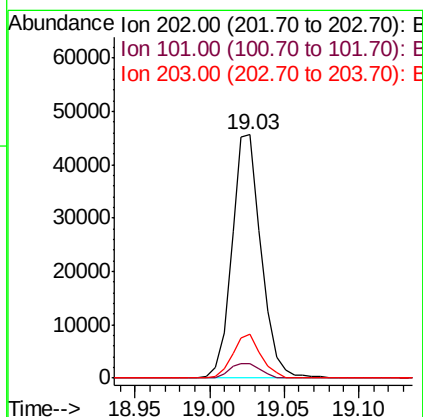
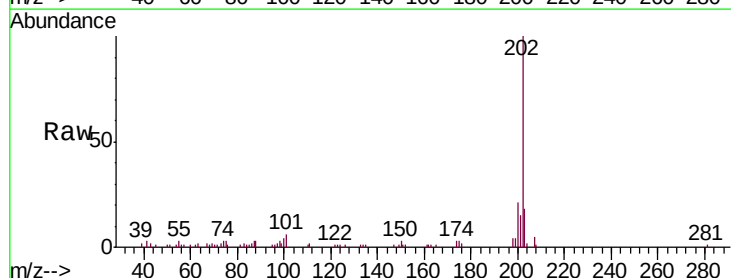
Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

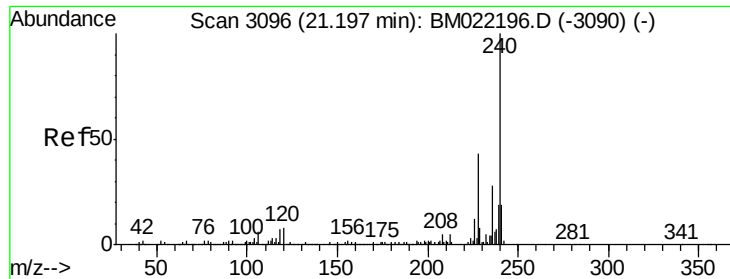
Tgt Ion:178 Resp: 16683
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 14.7 12.3 18.5



#75
Fluoranthene
Concen: 10.443 ng
RT: 19.03 min Scan# 2727
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion:202 Resp: 62327
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.1
203 18.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

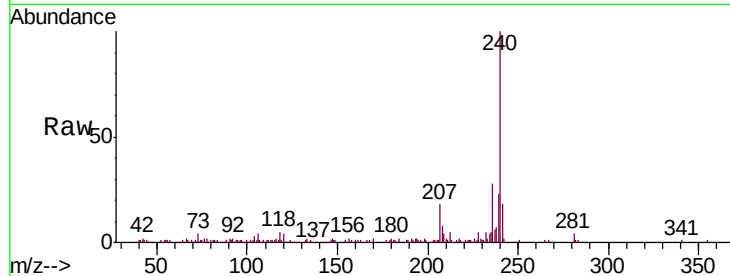
Tgt Ion:240 Resp: 112593

Ion Ratio Lower Upper

240 100

120 4.5 3.9 5.9

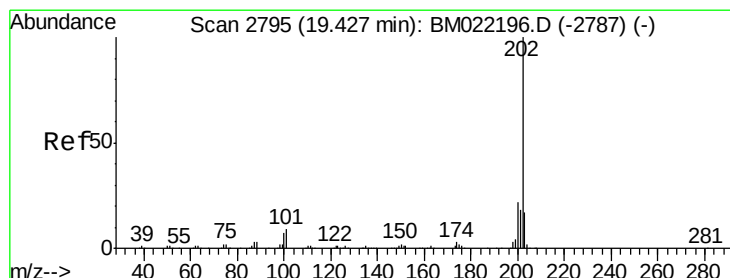
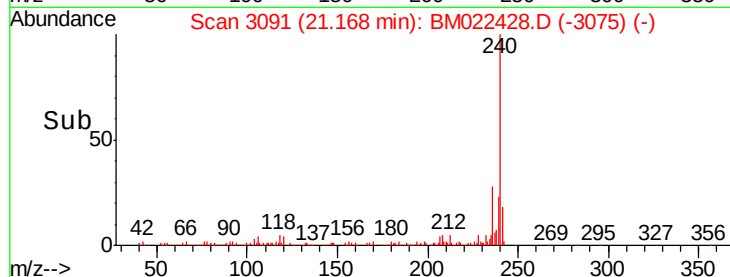
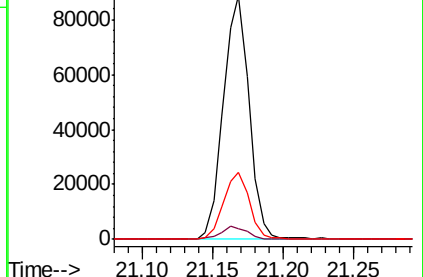
236 27.7 21.4 32.2



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: 6.542 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

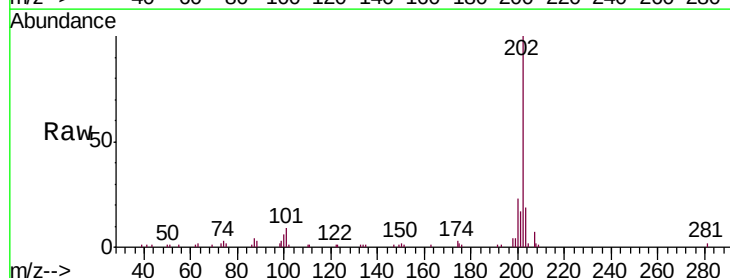
Tgt Ion:202 Resp: 50200

Ion Ratio Lower Upper

202 100

200 22.8 17.7 26.5

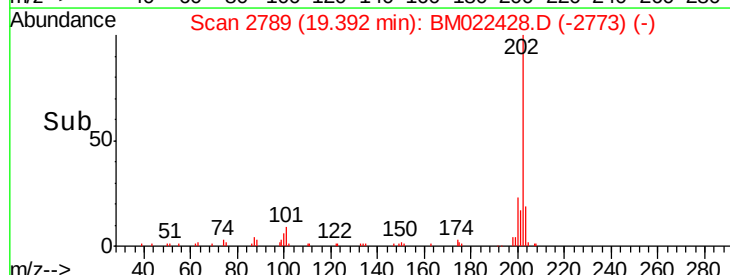
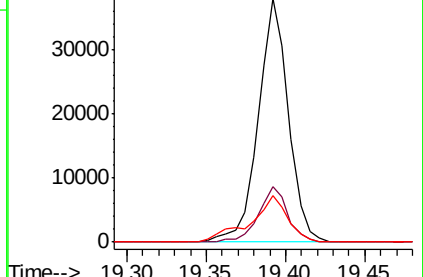
203 19.0 13.8 20.8

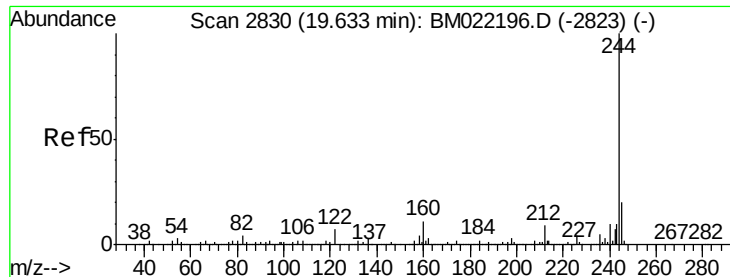


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 45.201 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

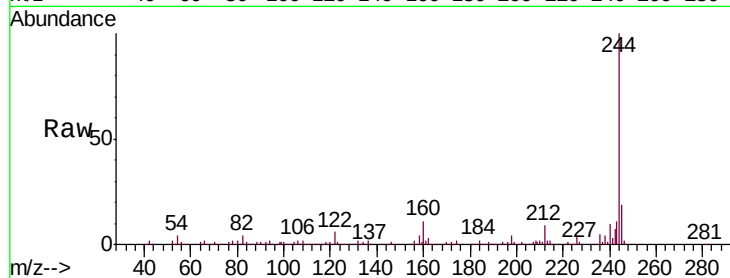
Tgt Ion:244 Resp: 385625

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.4

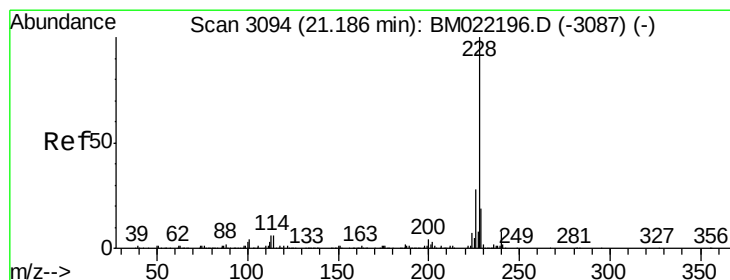
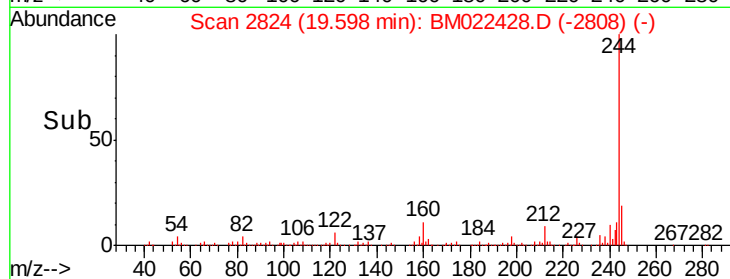
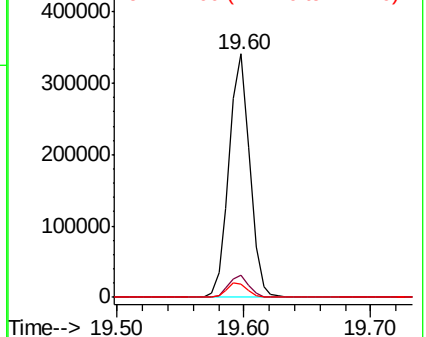
122 5.6 3.9 5.9



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: 3.535 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

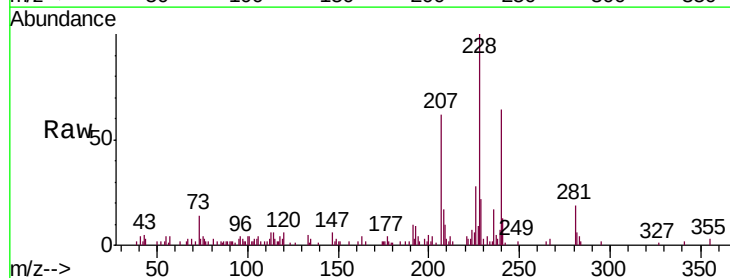
Tgt Ion:228 Resp: 28568

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

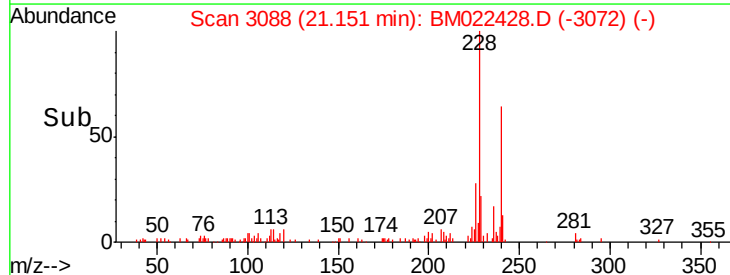
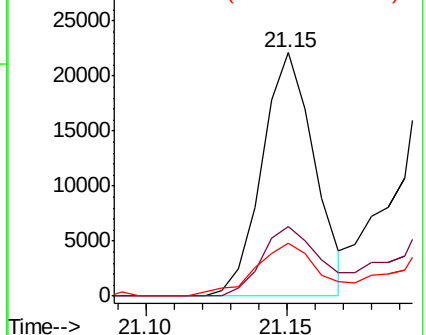
229 21.5 15.9 23.9

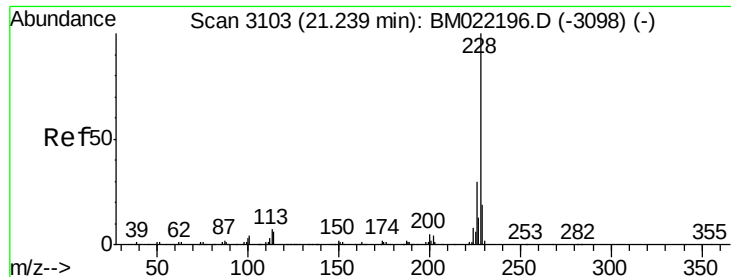


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.863 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

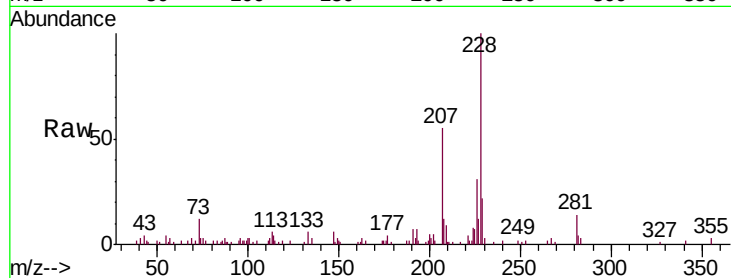
Tgt Ion:228 Resp: 37410

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

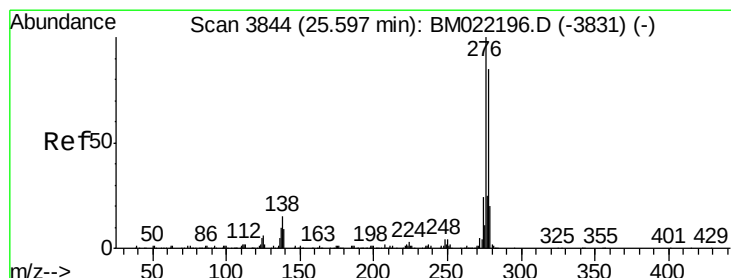
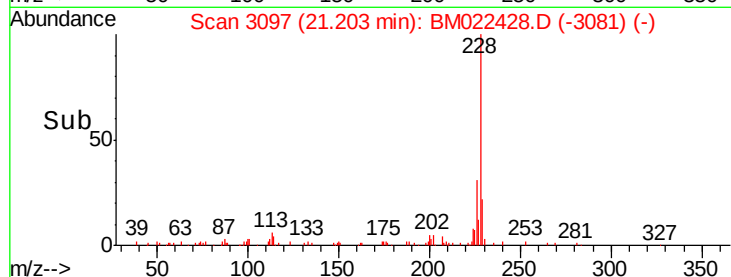
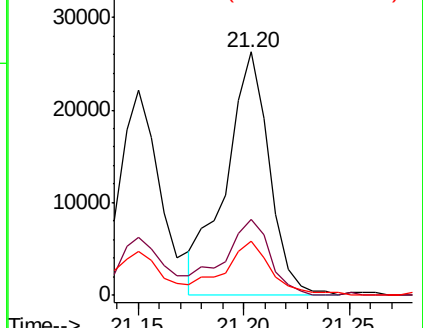
229 22.0 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.771 ng

RT: 25.53 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

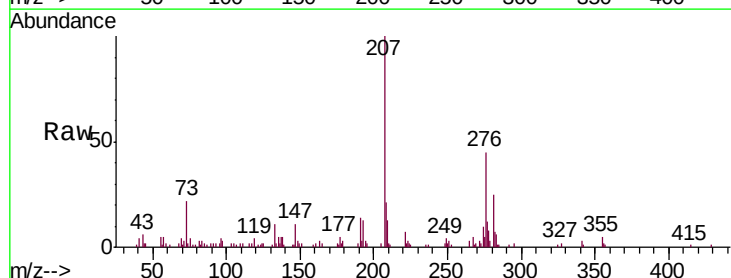
Tgt Ion:276 Resp: 36916

Ion Ratio Lower Upper

276 100

138 12.3 9.1 13.7

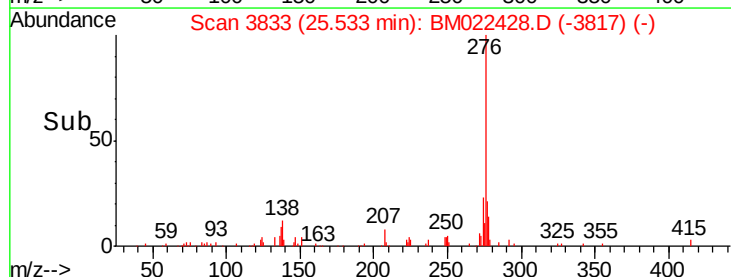
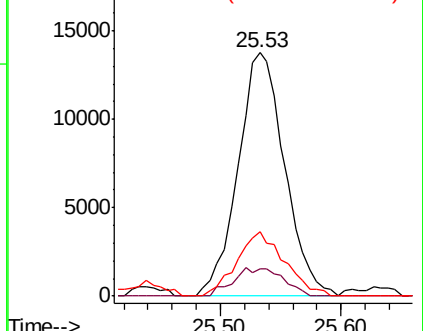
277 27.0 20.0 30.0

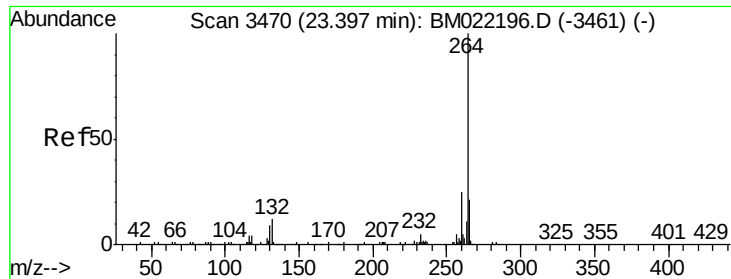


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

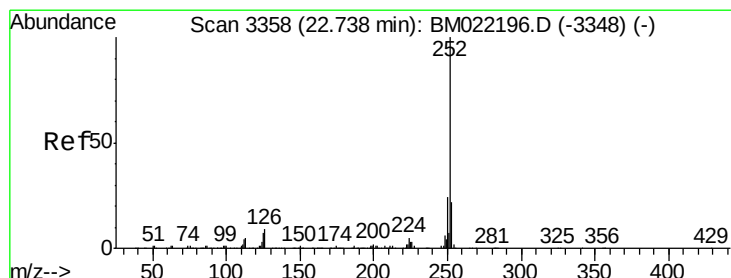
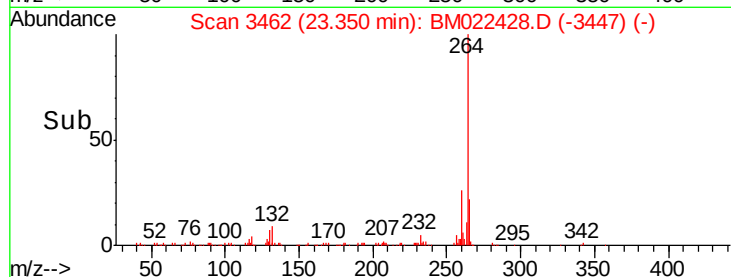
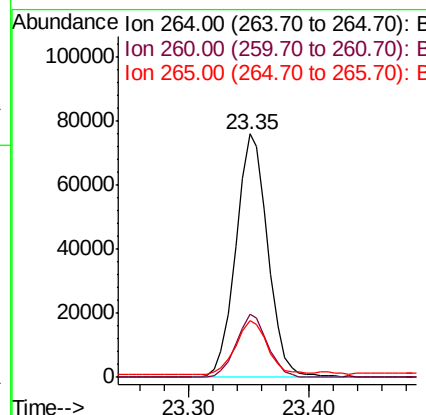
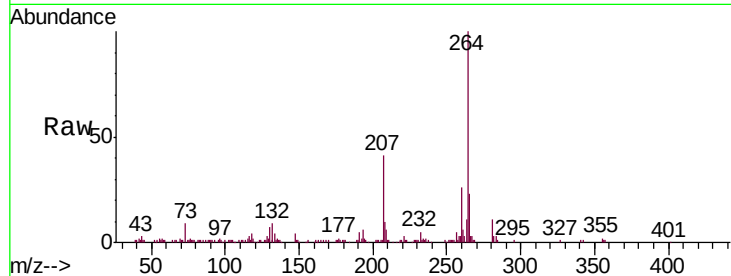




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

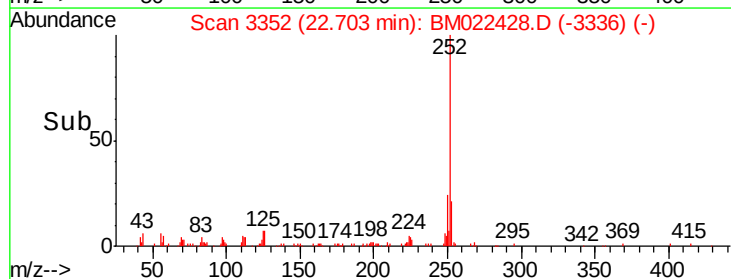
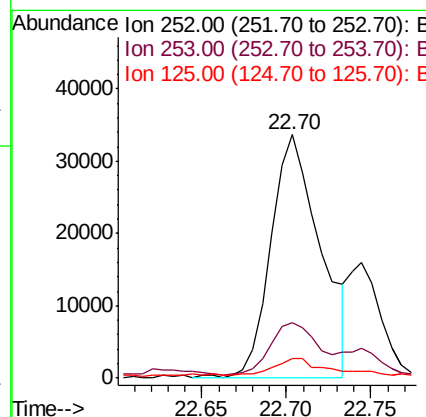
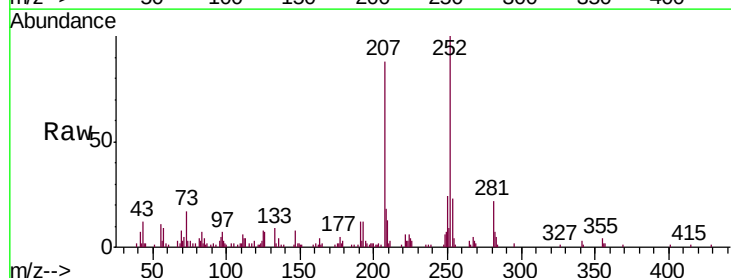
Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

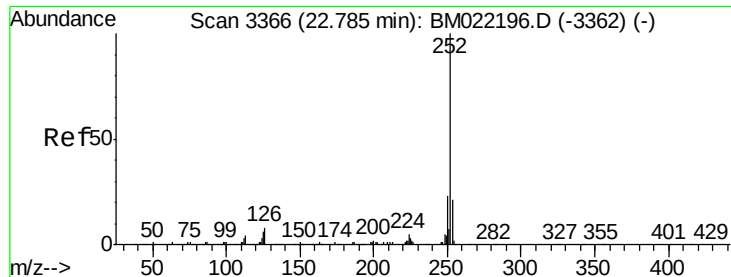
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.2	30.2
265	23.1	18.2	27.2



#88
Benzo(b)fluoranthene
Concen: 7.047 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.9	3.5	5.3





#89

Benzo(k)fluoranthene

Concen: 7.077 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.05 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

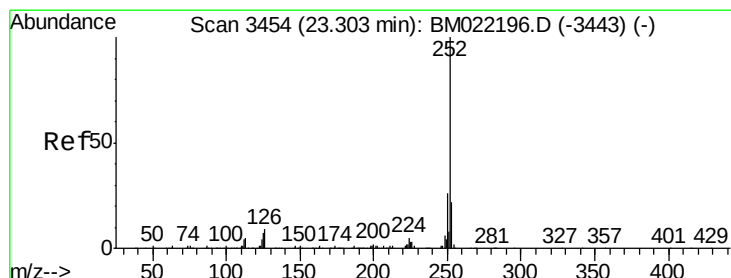
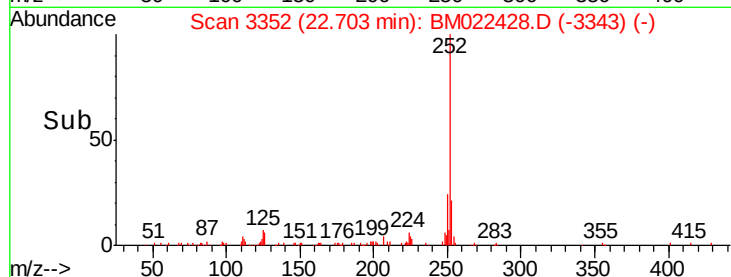
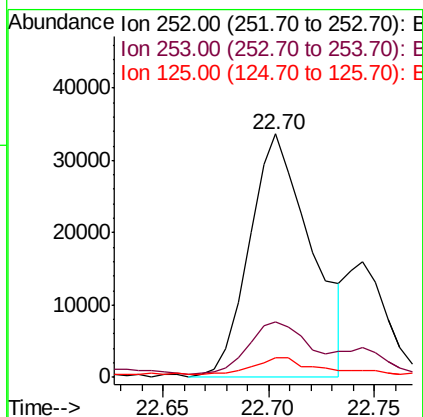
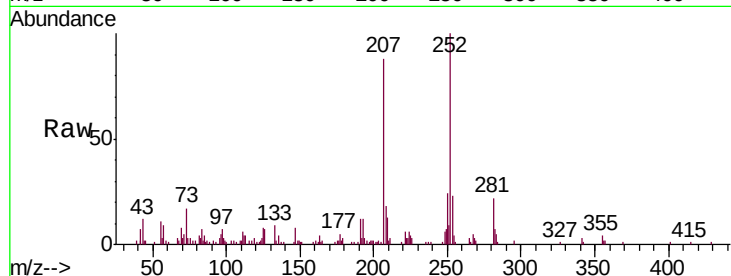
Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

Tgt Ion:	252	Resp:	68336
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.4
125	7.9	3.7	5.5#



#90

Benzo(a)pyrene

Concen: 4.381 ng

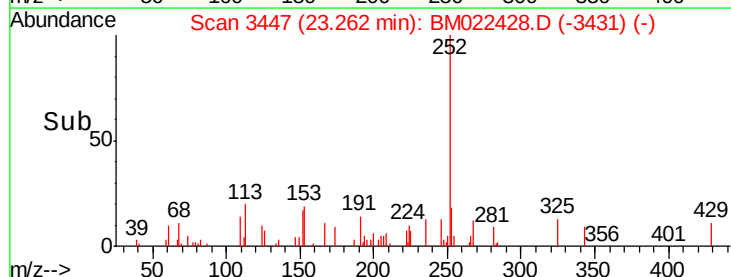
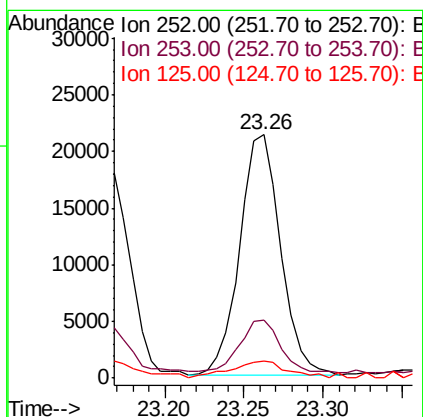
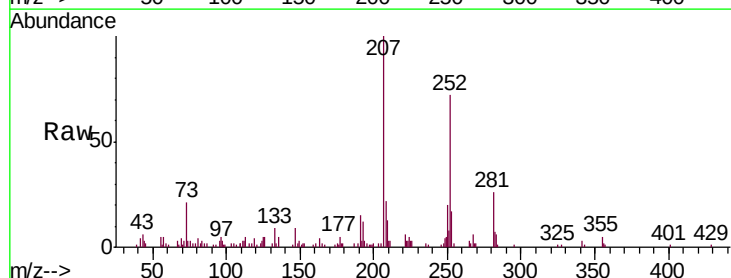
RT: 23.26 min Scan# 3447

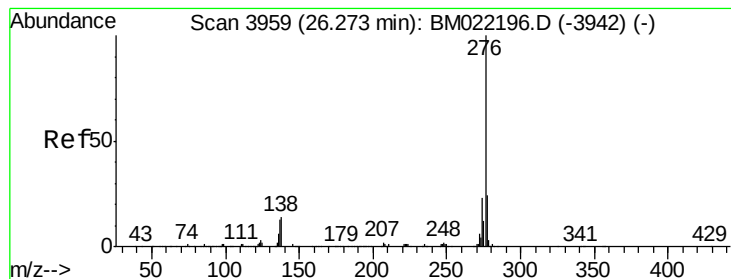
Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Tgt Ion:	252	Resp:	37847
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	7.1	3.8	5.8#





#92

Benzo(g,h,i)perylene

Concen: 4.826 ng

RT: 26.20 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

ClientSampleId :

S403-K1-1.0-1.5-082819

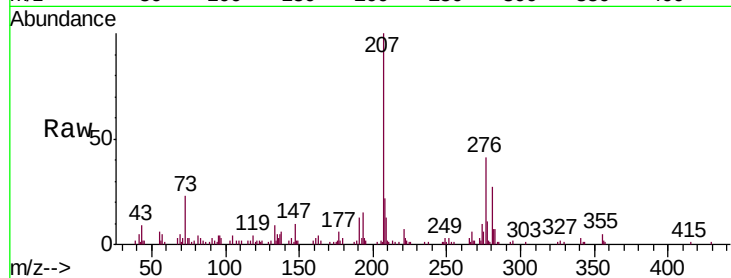
Tgt Ion:276 Resp: 36237

Ion Ratio Lower Upper

276 100

277 26.8 19.4 29.0

138 13.9 8.8 13.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

