

Data File : BM022416.D
Acq On : 29 Aug 2019 20:10
Operator : HP/JU
Sample : K4471-15RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Quant Time: Aug 30 07:52:31 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	15976	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	53926	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	33089	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	77343	20.00	ng	0.00
76) Chrysene-d12	21.16	240	121907	20.00	ng	-0.01
87) Perylene-d12	23.35	264	155993	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	128033	140.67	ng	0.00
7) Phenol-d6	6.72	99	160320	131.72	ng	0.00
23) Nitrobenzene-d5	8.69	82	111180	90.30	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	85592	126.41	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	201461	68.97	ng	0.00
79) Terphenyl-d14	19.60	244	438097	47.43	ng	0.00

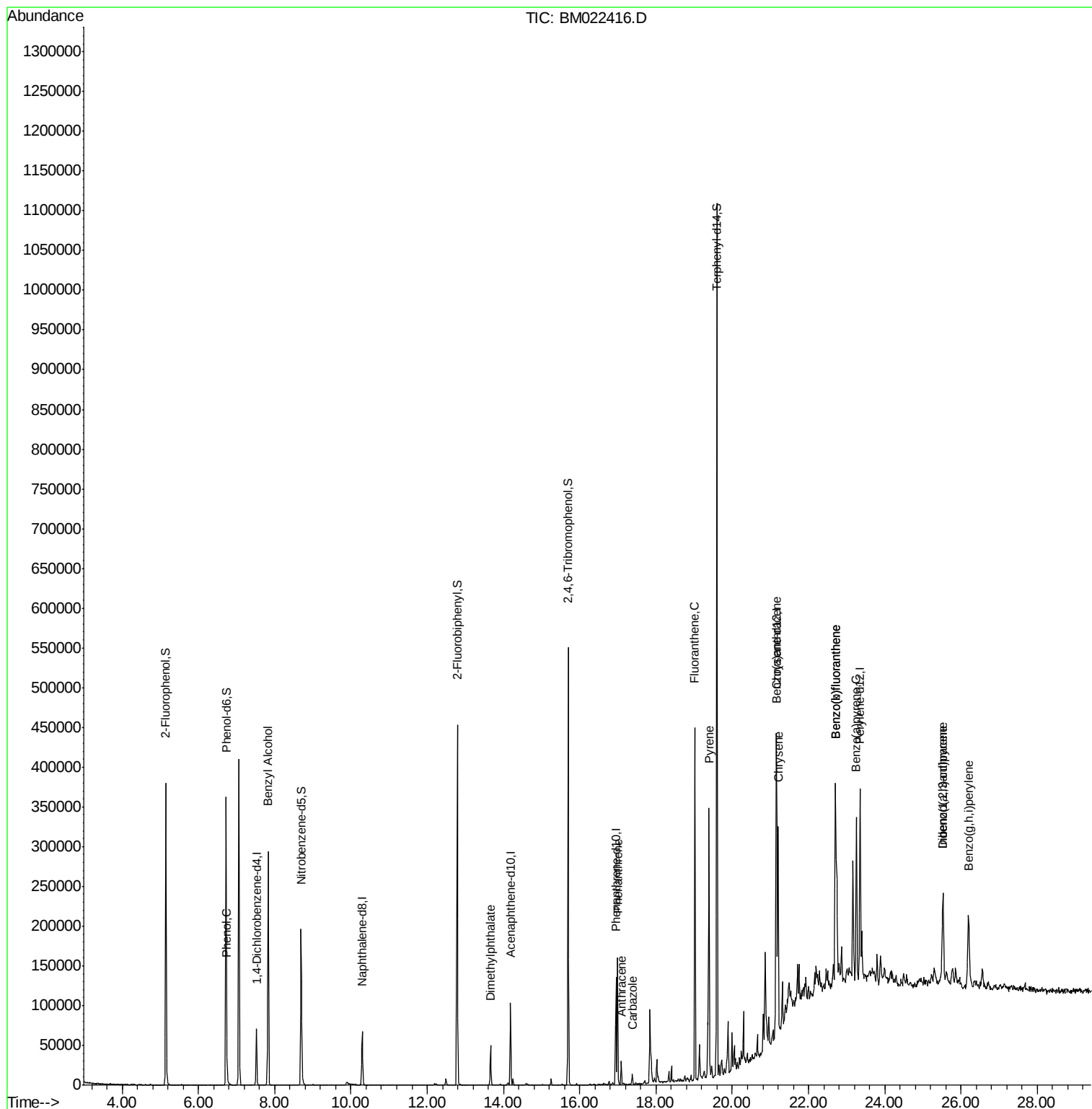
Target Compounds				Qvalue		
10) Phenol	6.75	94	4229	3.459	ng	# 54
15) Benzyl Alcohol	7.83	79	2446	2.118	ng	# 48
50) Dimethylphthalate	13.66	163	31341	10.890	ng	99
71) Phenanthrene	16.99	178	87833	19.483	ng	98
72) Anthracene	17.09	178	18975	4.278	ng	98
73) Carbazole	17.38	167	9992	2.725	ng	97
75) Fluoranthene	19.02	202	239248	39.850	ng	98
78) Pyrene	19.39	202	207340	24.957	ng	98
81) Benzo(a)anthracene	21.15	228	133042	15.205	ng	100
83) Chrysene	21.20	228	128538	15.434	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	96433	11.511	ng	97
88) Benzo(b)fluoranthene	22.70	252	260689	24.055	ng	# 98
89) Benzo(k)fluoranthene	22.70	252	261416	24.317	ng	# 96
90) Benzo(a)pyrene	23.26	252	137119	14.255	ng	# 99
91) Dibenzo(a,h)anthracene	25.53	278	24471	2.551	ng	# 93
92) Benzo(g,h,i)perylene	26.20	276	96343	11.525	ng	100

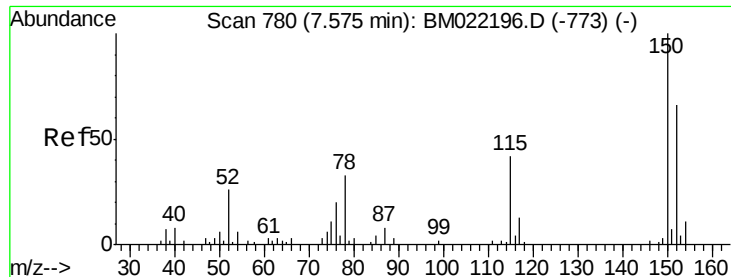
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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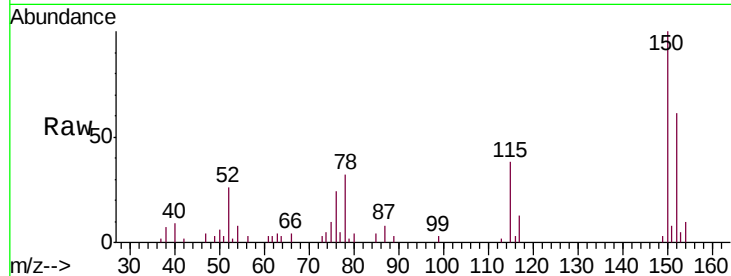


#1

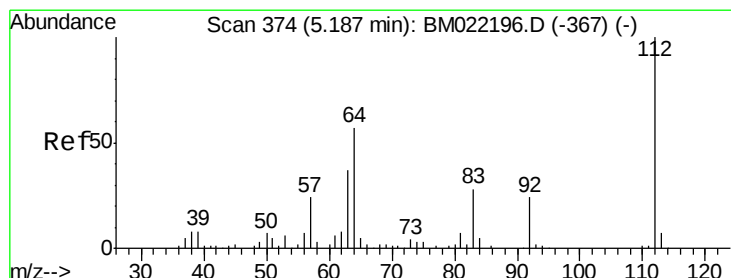
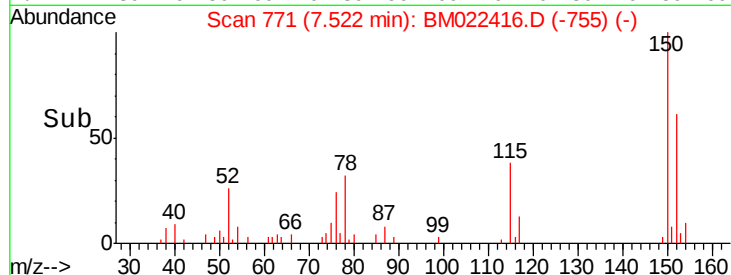
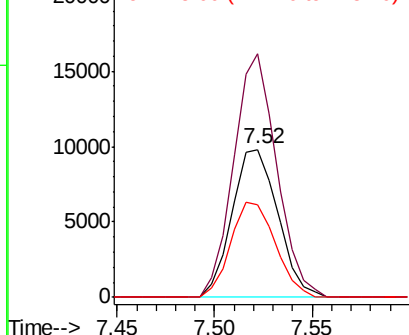
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Tgt Ion:152 Resp: 15976
Ion Ratio Lower Upper
152 100
150 164.8 125.4 188.0
115 62.8 50.3 75.5



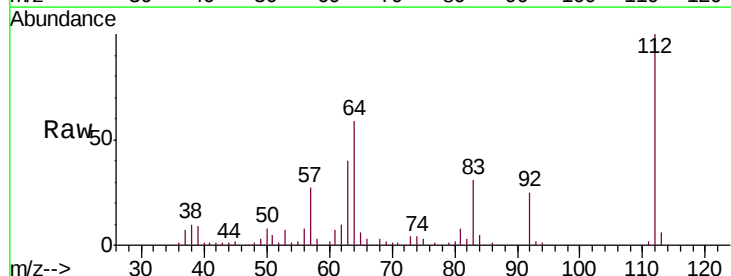
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



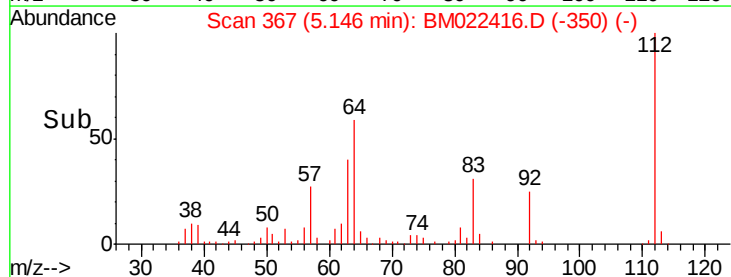
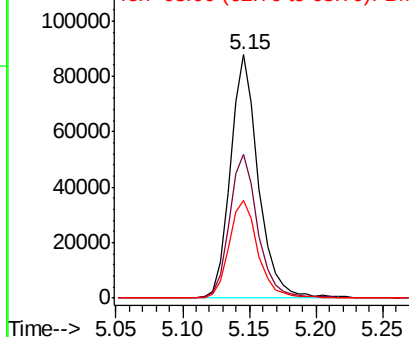
#5

2-Fluorophenol
Concen: 140.673 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:112 Resp: 128033
Ion Ratio Lower Upper
112 100
64 59.3 45.4 68.2
63 40.2 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: 131.723 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

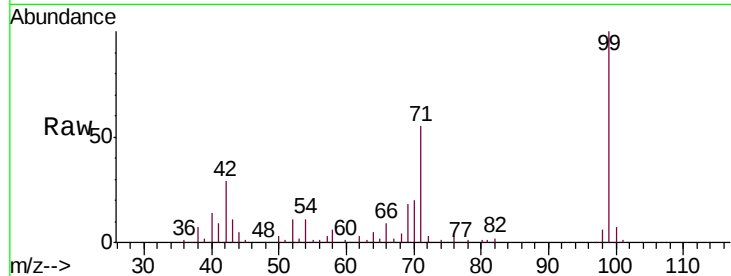
Tgt Ion: 99 Resp: 160320

Ion Ratio Lower Upper

99 100

42 29.0 26.3 39.5

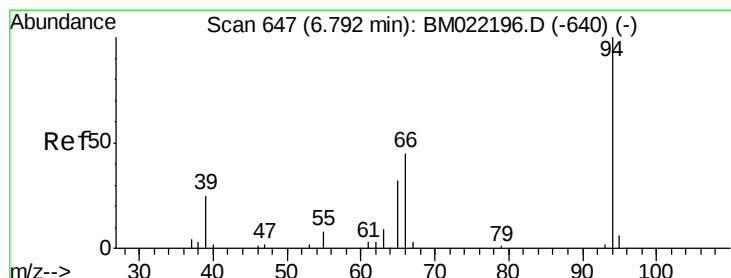
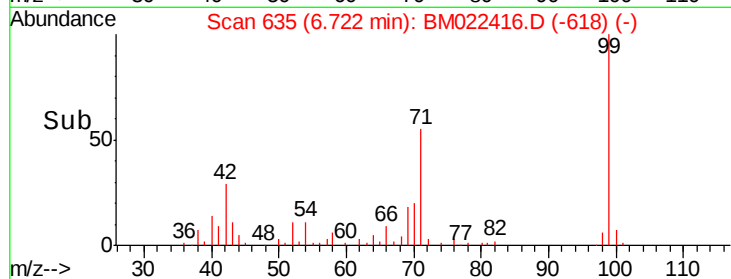
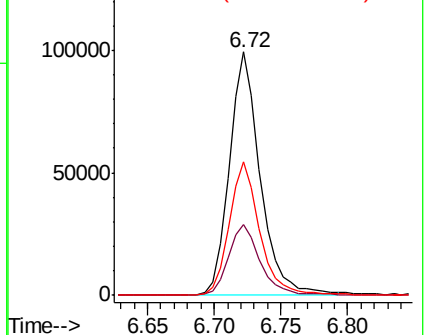
71 55.0 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022416.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022416.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022416.D (-635) (-)



#10

Phenol

Concen: 3.459 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

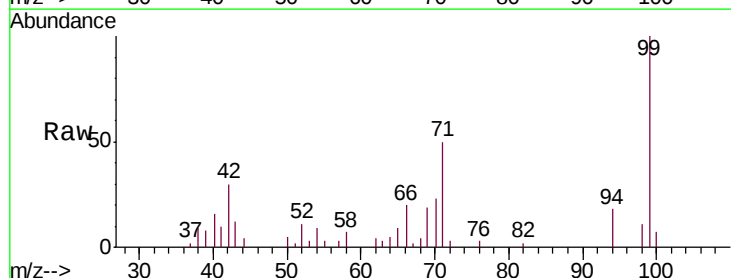
Tgt Ion: 94 Resp: 4229

Ion Ratio Lower Upper

94 100

65 47.1 17.7 57.7

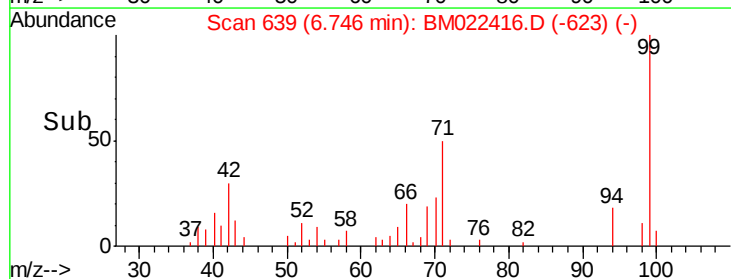
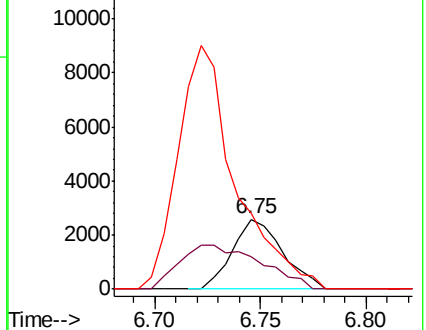
66 109.0 39.6 79.6#

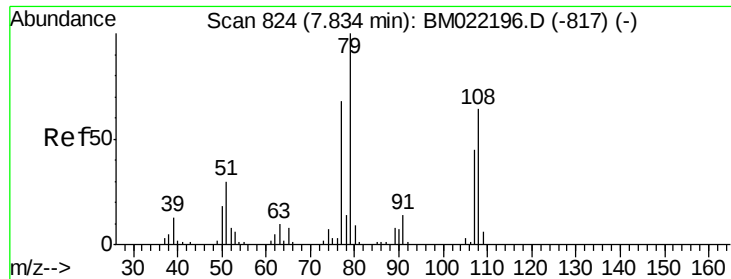


Abundance Ion 94.00 (93.70 to 94.70): BM022416.D (-623) (-)

Ion 65.00 (64.70 to 65.70): BM022416.D (-623) (-)

Ion 66.00 (65.70 to 66.70): BM022416.D (-623) (-)





#15

Benzyl Alcohol

Concen: 2.118 ng

RT: 7.83 min Scan# 823

Delta R.T. 0.04 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

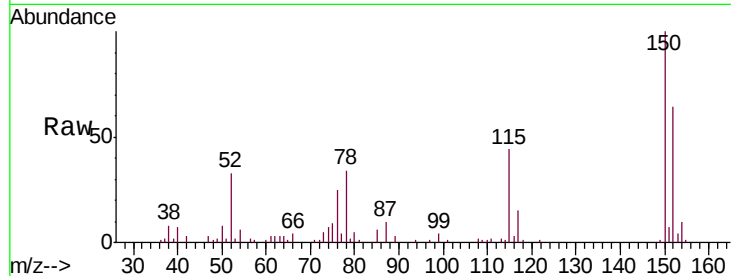
Tgt Ion: 79 Resp: 2446

Ion Ratio Lower Upper

79 100

108 66.9 48.2 72.4

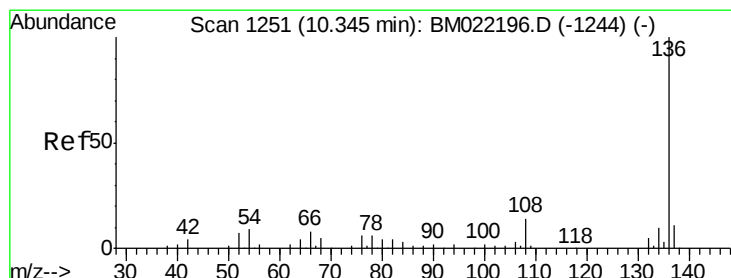
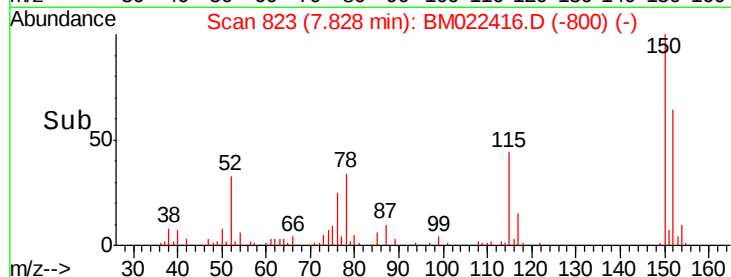
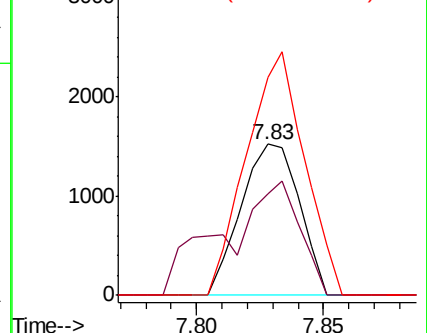
77 144.5 56.6 85.0#



Abundance Ion 79.00 (78.70 to 79.70): BM022416.D (-817) (-)

Ion 108.00 (107.70 to 108.70): BM022416.D (-817) (-)

Ion 77.00 (76.70 to 77.70): BM022416.D (-817) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Tgt Ion: 136 Resp: 53926

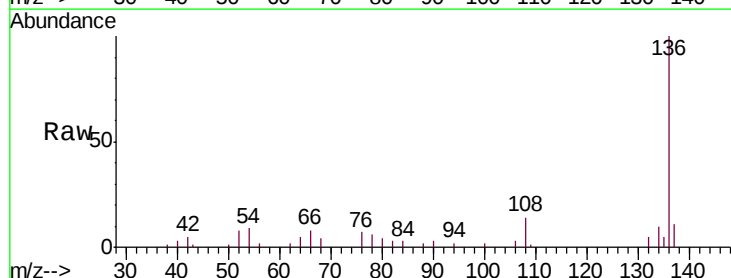
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.2 7.0 10.6

68 4.2 2.9 4.3

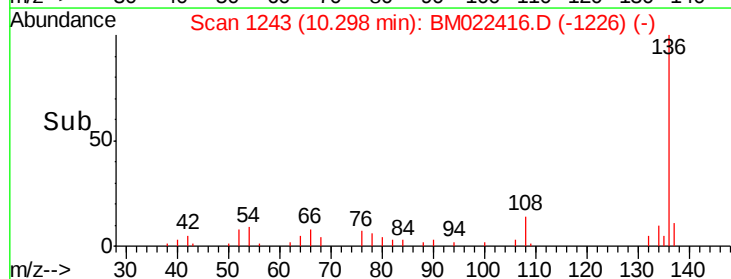
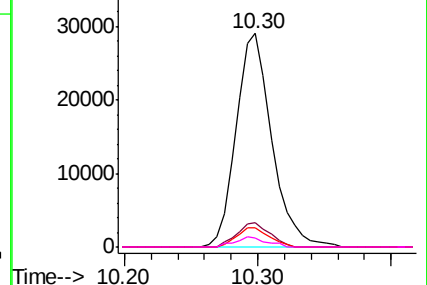


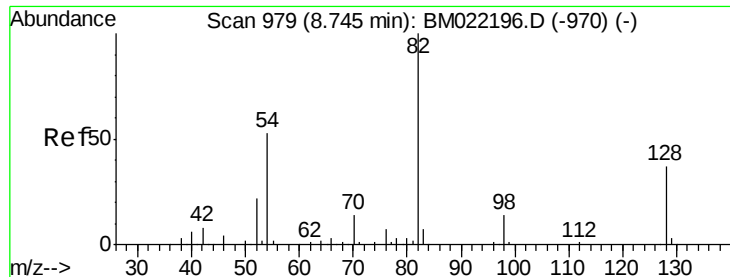
Abundance Ion 136.00 (135.70 to 136.70): BM022416.D (-1226) (-)

Ion 137.00 (136.70 to 137.70): BM022416.D (-1226) (-)

Ion 54.00 (53.70 to 54.70): BM022416.D (-1226) (-)

Ion 68.00 (67.70 to 68.70): BM022416.D (-1226) (-)

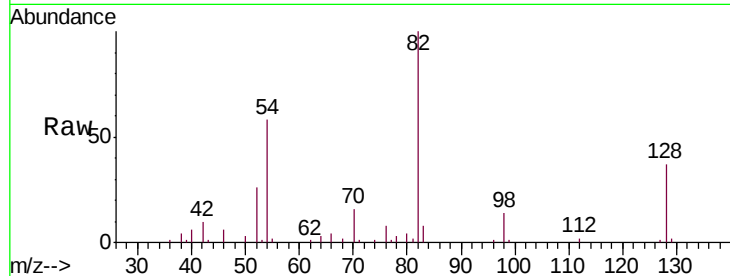




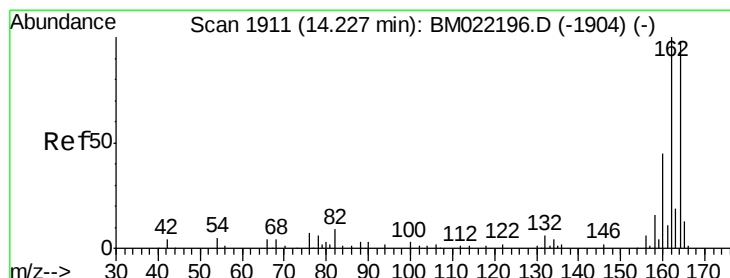
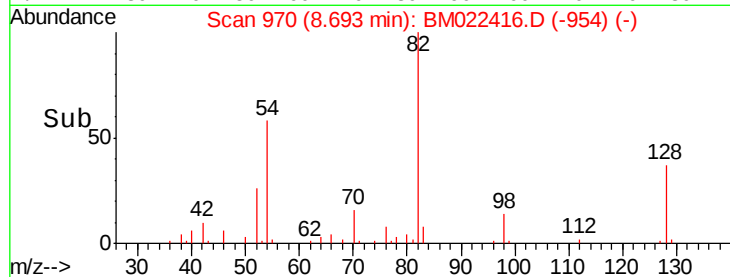
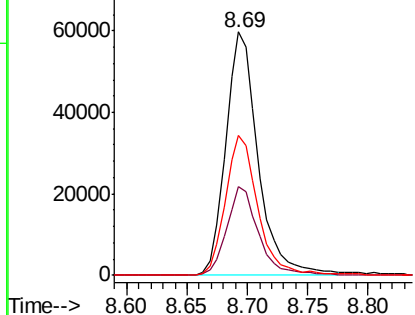
#23
Nitrobenzene-d5
Concen: 90.304 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Tgt Ion: 82 Resp: 111180
Ion Ratio Lower Upper
82 100
128 36.6 27.9 41.9
54 57.6 45.2 67.8

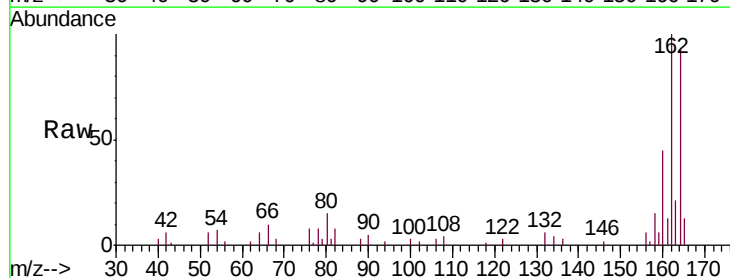


Abundance Ion 82.00 (81.70 to 82.70): BM022416.D (-954) (-)
Ion 128.00 (127.70 to 128.70): BM022416.D (-954) (-)
Ion 54.00 (53.70 to 54.70): BM022416.D (-954) (-)

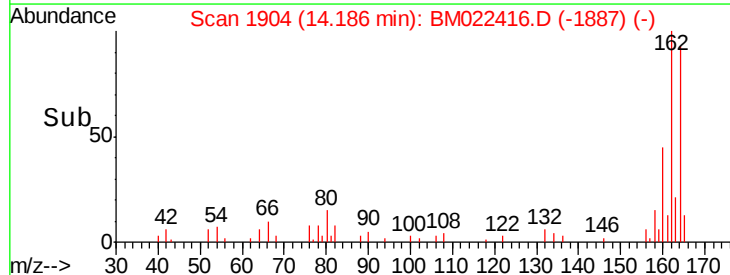
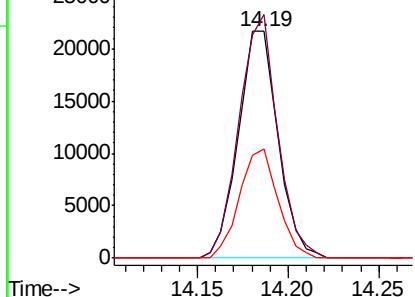


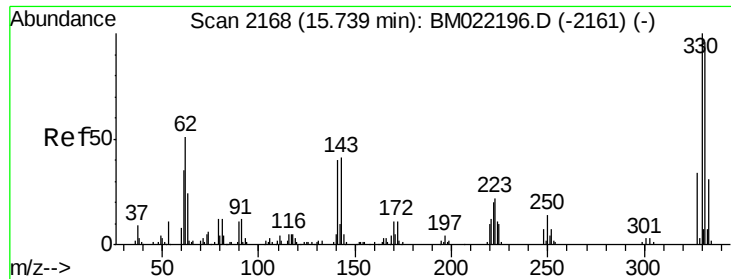
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion: 164 Resp: 33089
Ion Ratio Lower Upper
164 100
162 107.3 80.6 121.0
160 47.9 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): BM022416.D (-1887) (-)
Ion 162.00 (161.70 to 162.70): BM022416.D (-1887) (-)
Ion 160.00 (159.70 to 160.70): BM022416.D (-1887) (-)

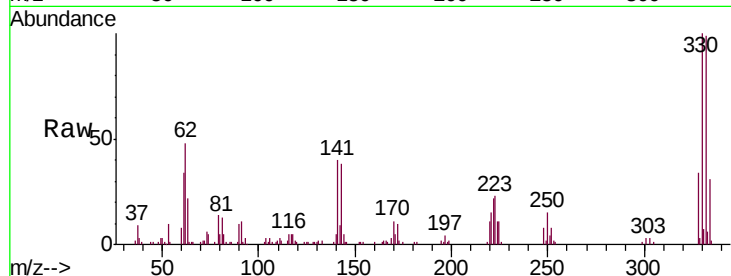




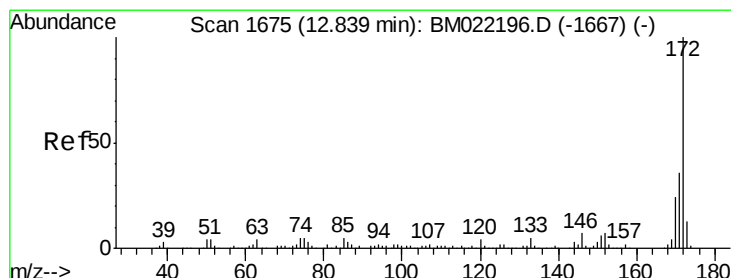
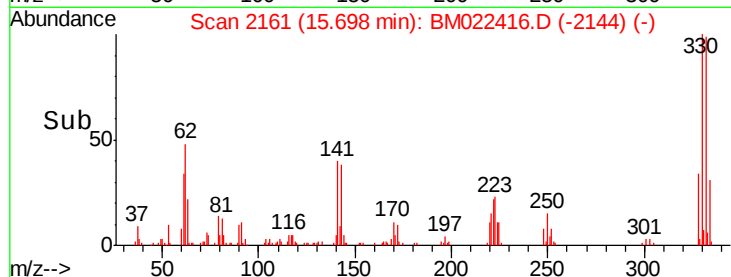
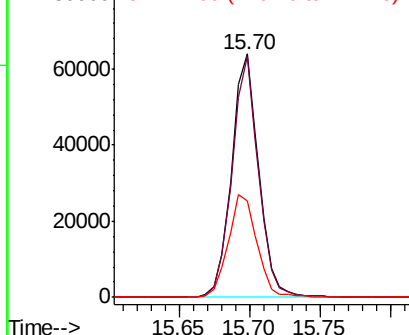
#42
 2,4,6-Tribromophenol
 Concen: 126.411 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022416.D
 Acq: 29 Aug 2019 20:10

Instrument :
 BNA_M
 ClientSampleId :
 S704-N-1.0-1.5-082119RE

Tgt Ion: 330 Resp: 85592
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.8 116.8
 141 44.4 35.6 53.4

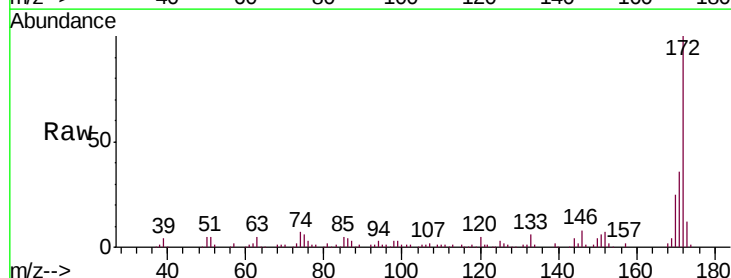


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

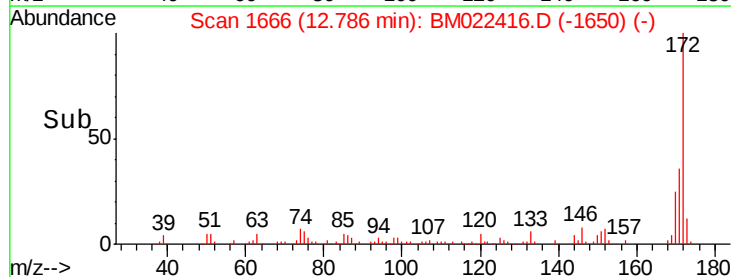
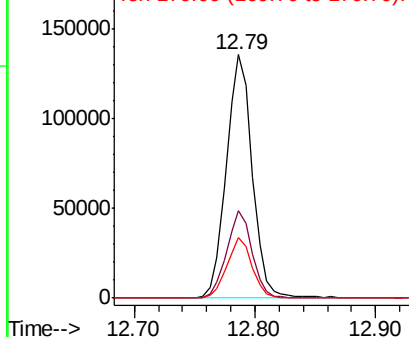


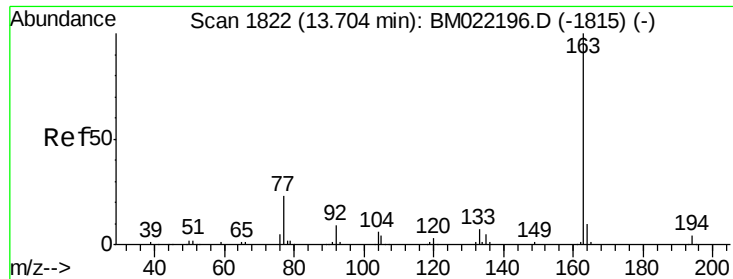
#45
 2-Fluorobiphenyl
 Concen: 68.973 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022416.D
 Acq: 29 Aug 2019 20:10

Tgt Ion: 172 Resp: 201461
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 24.8 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: 10.890 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

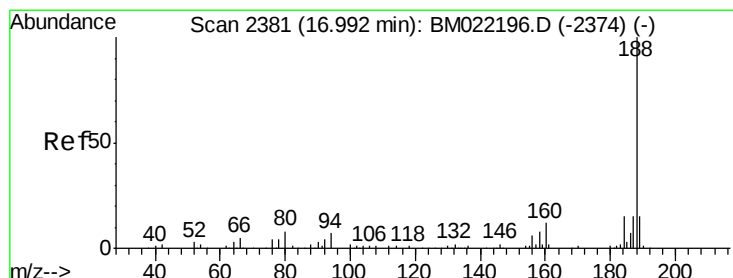
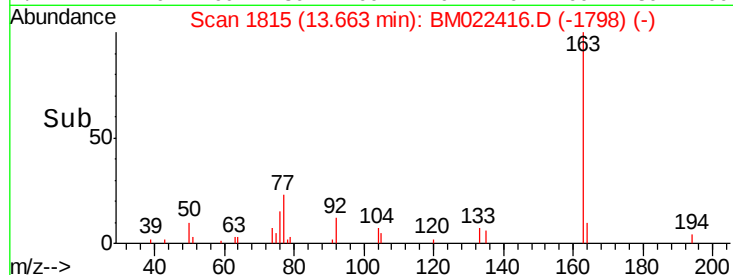
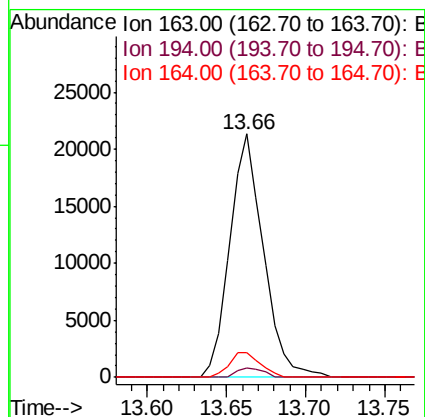
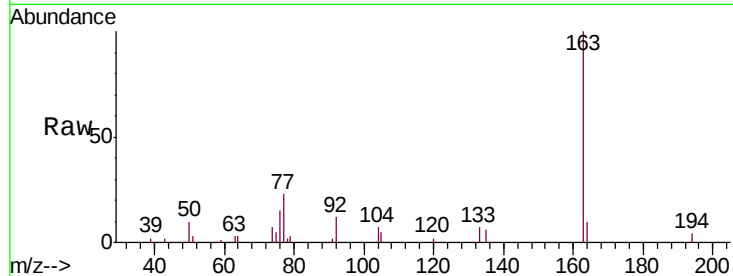
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	163	Resp:	31341
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.9	8.2	12.2



#64

Phenanthrene-d10

Concen: 20.000 ng

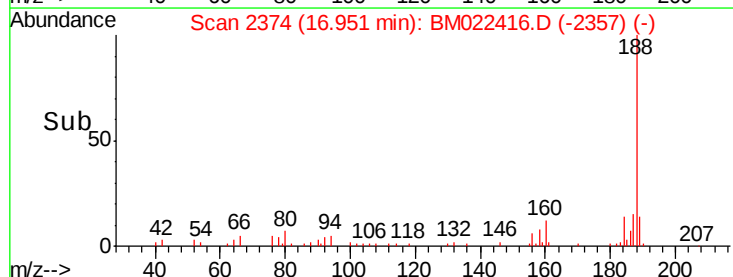
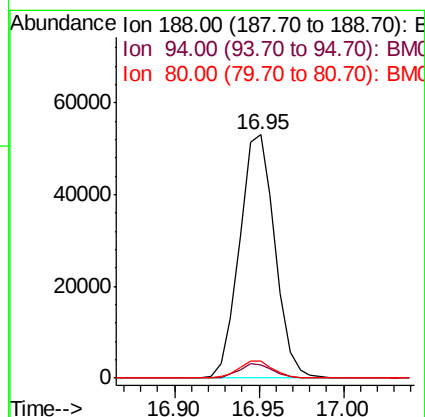
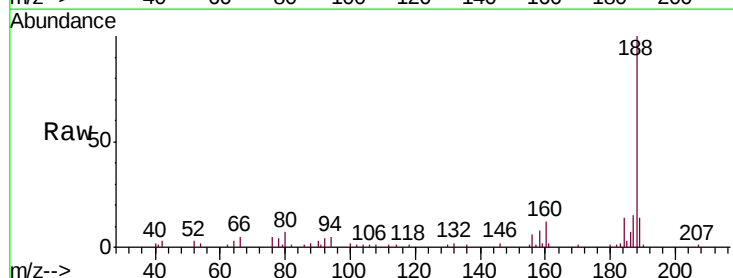
RT: 16.95 min Scan# 2374

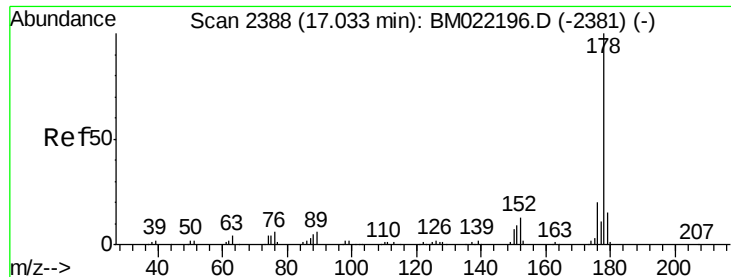
Delta R.T. -0.00 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Tgt Ion:	188	Resp:	77343
Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.4	6.6
80	7.0	5.0	7.6

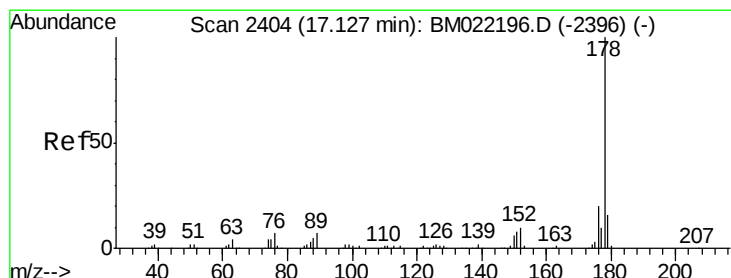
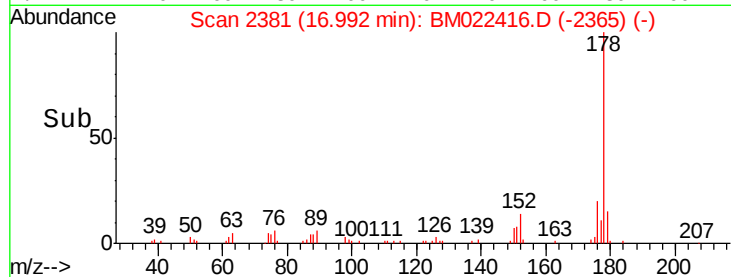
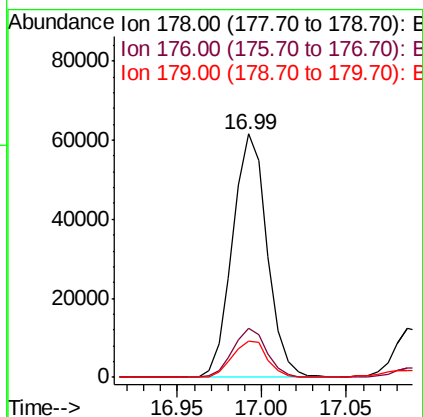
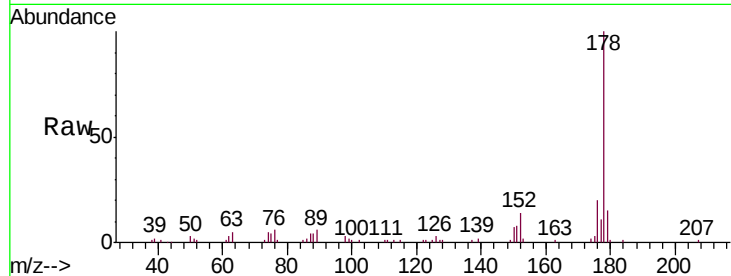




#71
Phenanthrene
Concen: 19.483 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

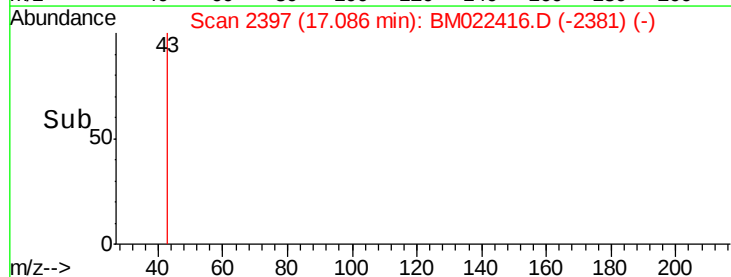
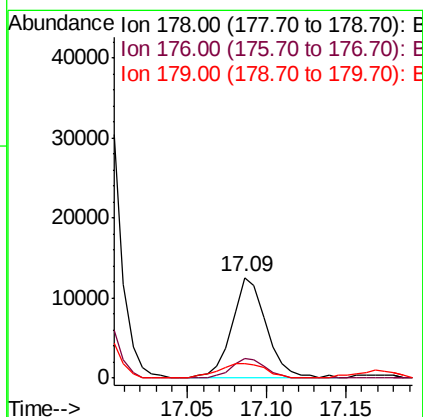
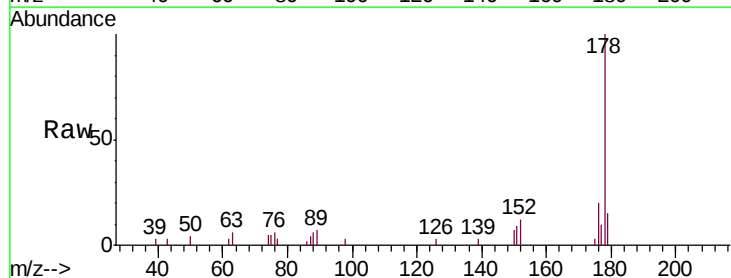
Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

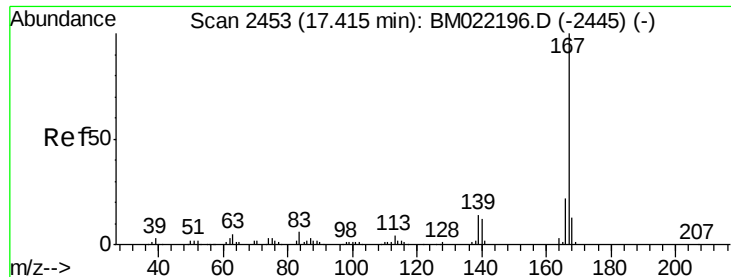
Tgt Ion:178 Resp: 87833
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 14.8 12.3 18.5



#72
Anthracene
Concen: 4.278 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:178 Resp: 18975
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.4
179 14.5 11.8 17.6

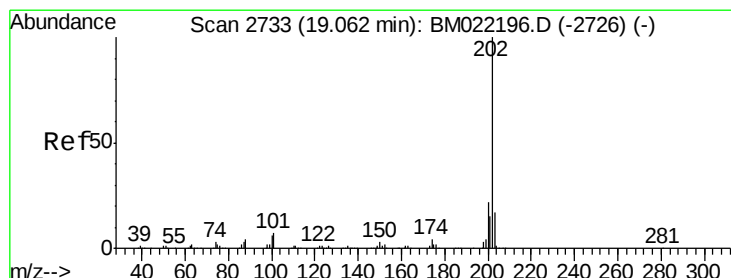
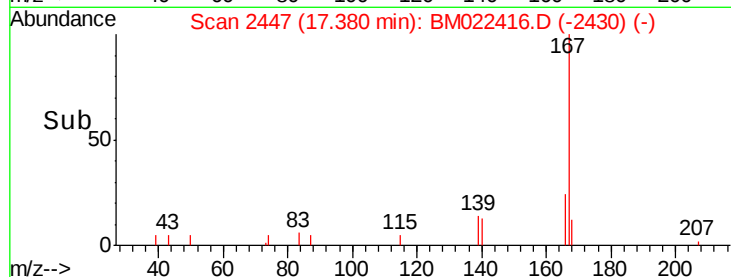
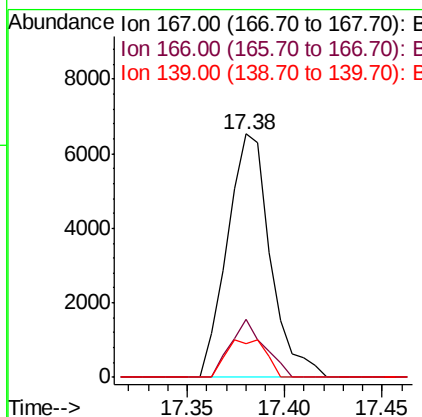
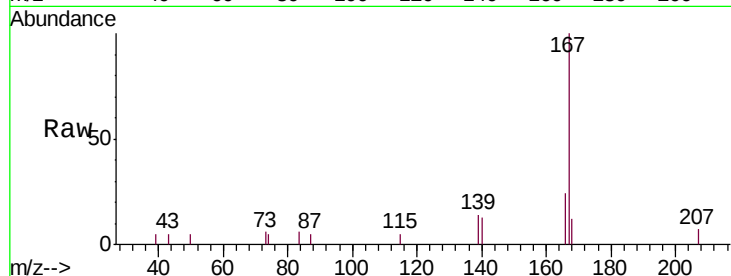




#73
 Carbazole
 Concen: 2.725 ng
 RT: 17.38 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BM022416.D
 Acq: 29 Aug 2019 20:10

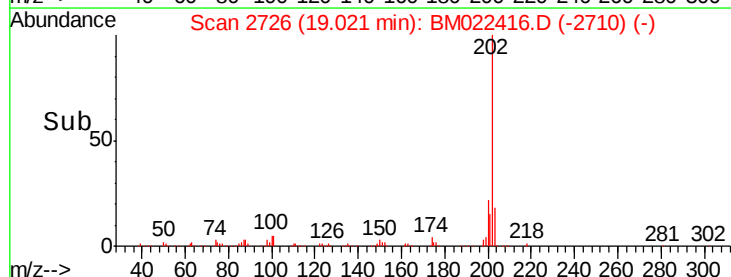
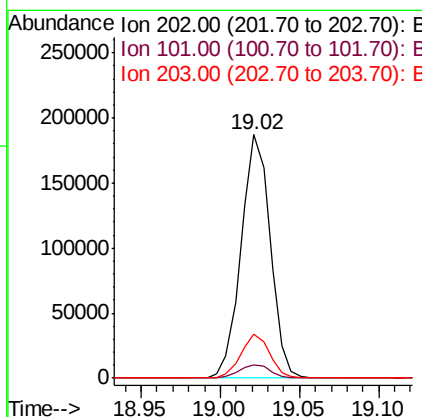
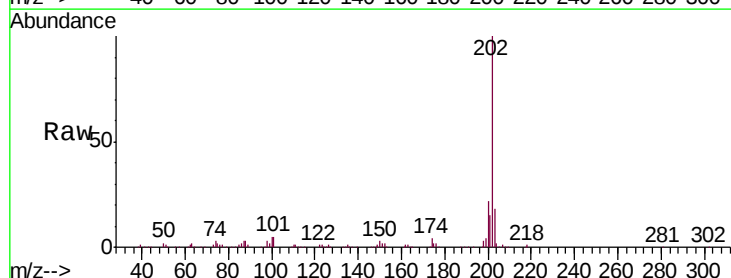
Instrument :
 BNA_M
 ClientSampleId :
 S704-N-1.0-1.5-082119RE

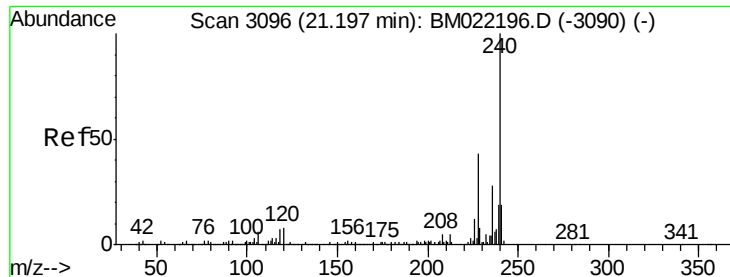
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.8	26.6
139	13.7	11.6	17.4



#75
 Fluoranthene
 Concen: 39.850 ng
 RT: 19.02 min Scan# 2726
 Delta R.T. -0.01 min
 Lab File: BM022416.D
 Acq: 29 Aug 2019 20:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.1
203	18.2	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

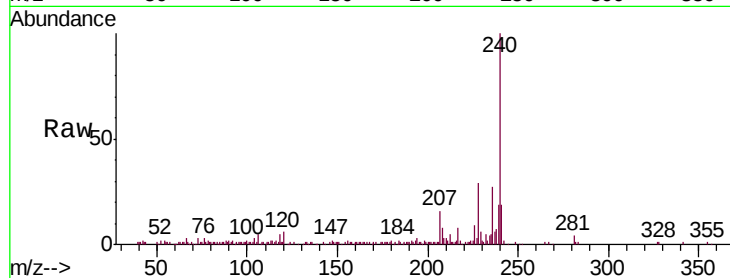
Tgt Ion:240 Resp: 121907

Ion Ratio Lower Upper

240 100

120 5.7 3.9 5.9

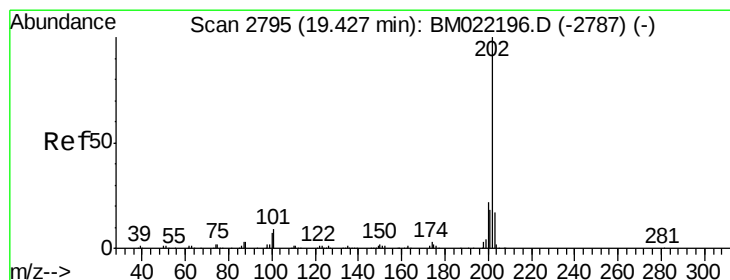
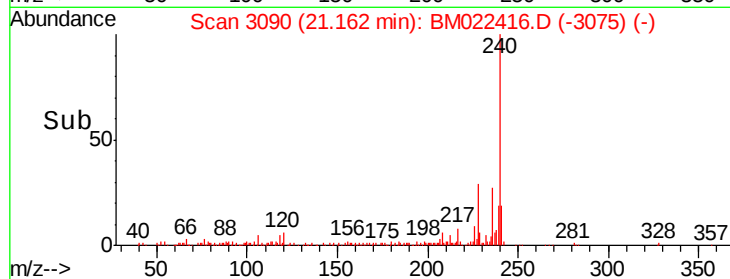
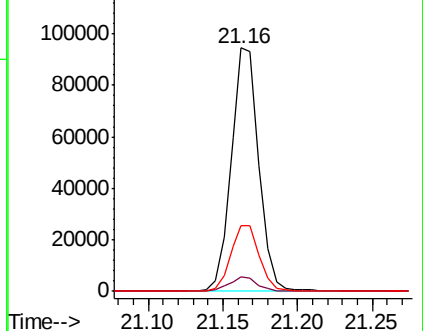
236 27.2 21.4 32.2



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: 24.957 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

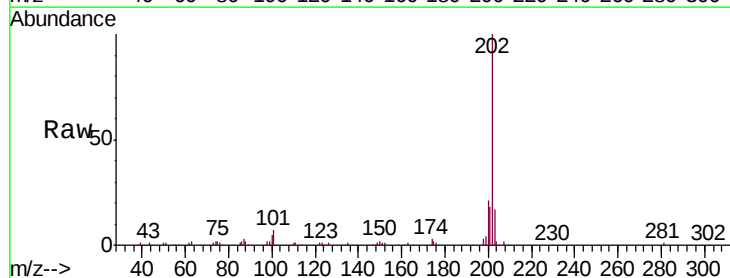
Tgt Ion:202 Resp: 207340

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

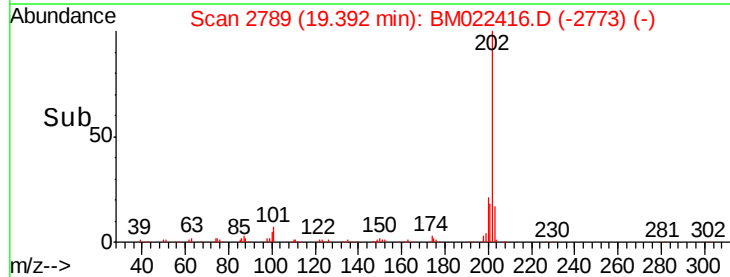
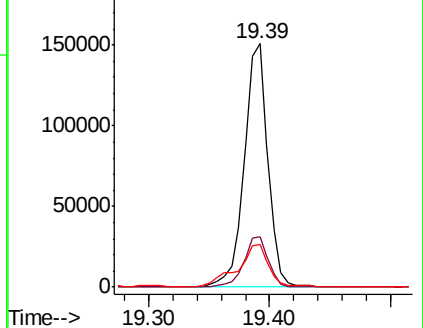
203 17.4 13.8 20.8

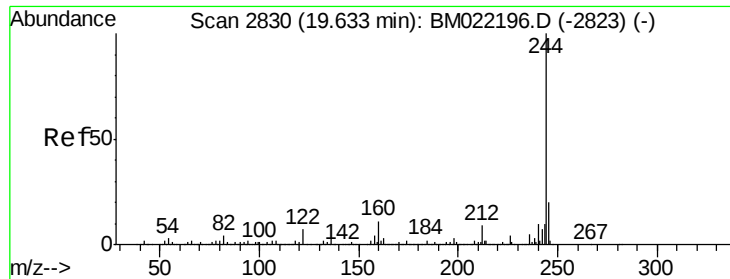


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 47.428 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

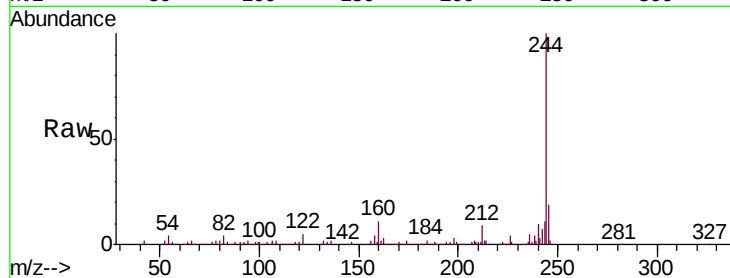
Tgt Ion:244 Resp: 438097

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.4

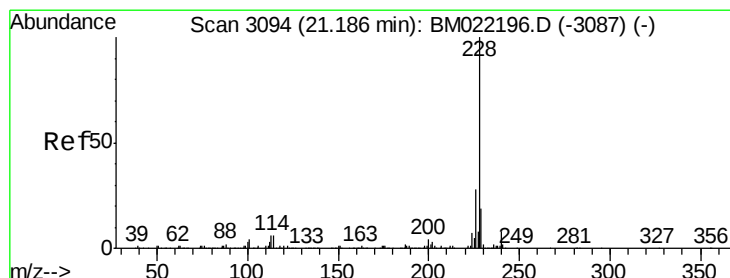
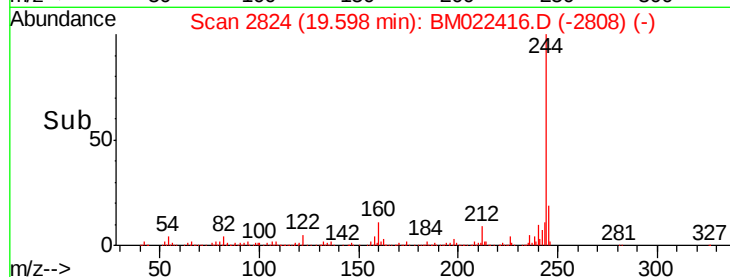
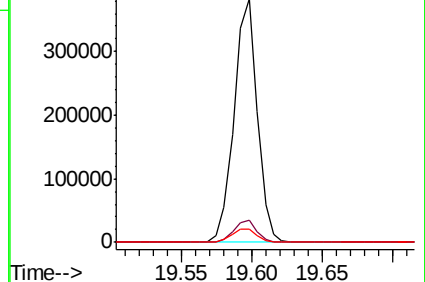
122 5.4 3.9 5.9



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: 15.205 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

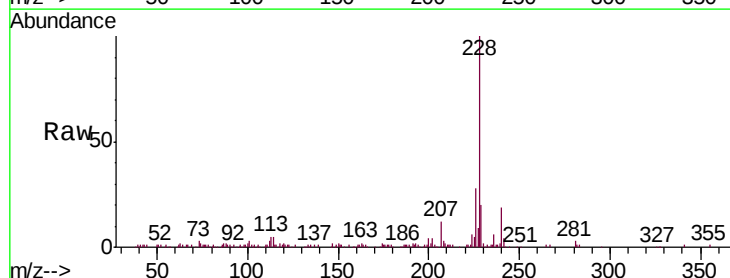
Tgt Ion:228 Resp: 133042

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

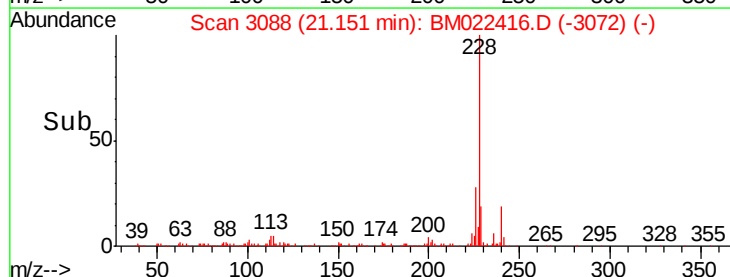
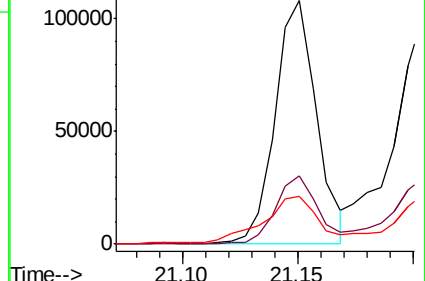
229 19.6 15.9 23.9

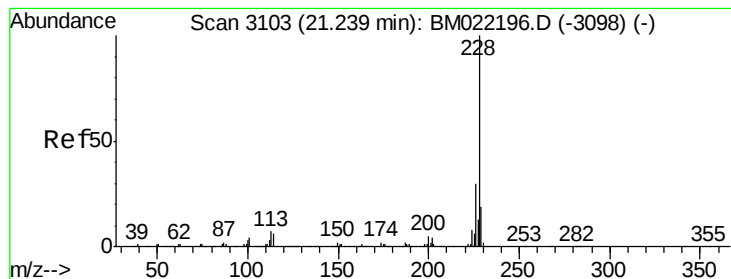


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.434 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

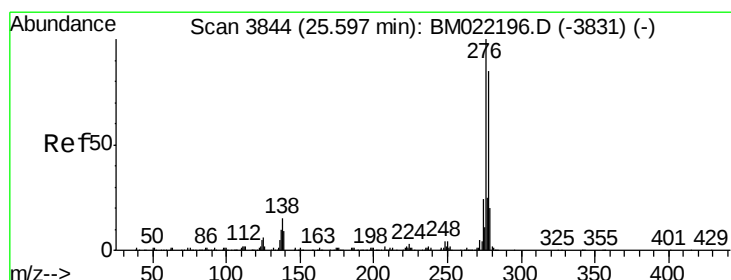
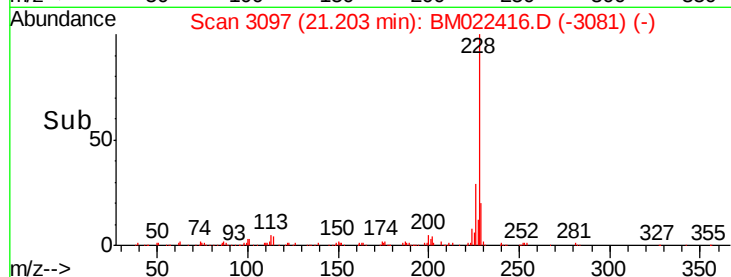
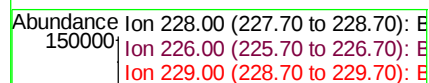
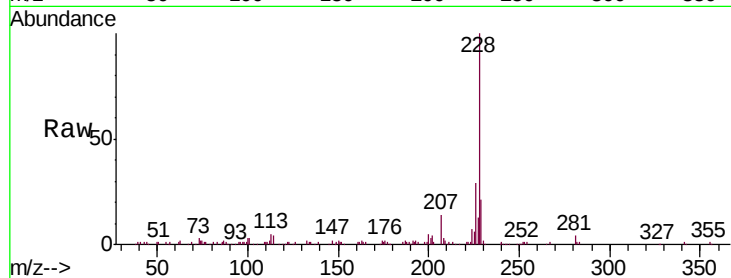
Tgt Ion: 228 Resp: 128538

Ion Ratio Lower Upper

228 100

226 28.8 24.5 36.7

229 21.1 15.7 23.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 11.511 ng

RT: 25.53 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

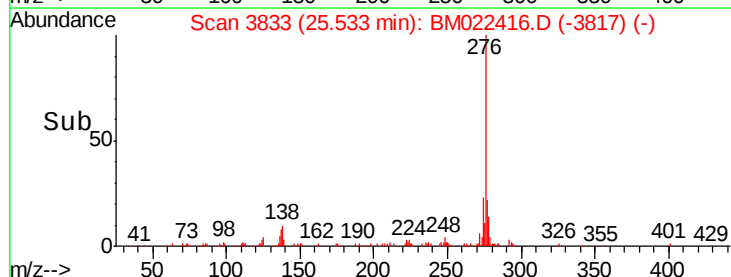
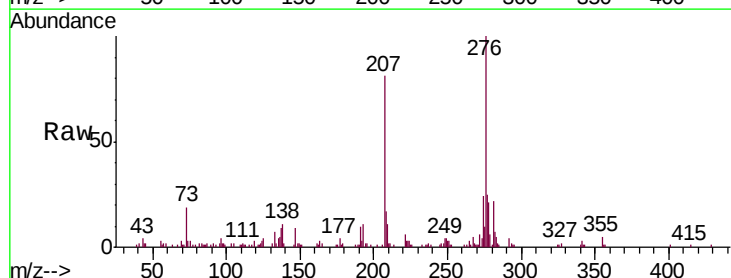
Tgt Ion: 276 Resp: 96433

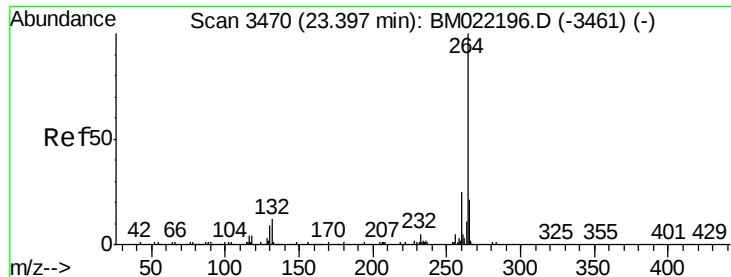
Ion Ratio Lower Upper

276 100

138 12.5 9.1 13.7

277 26.2 20.0 30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.35 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

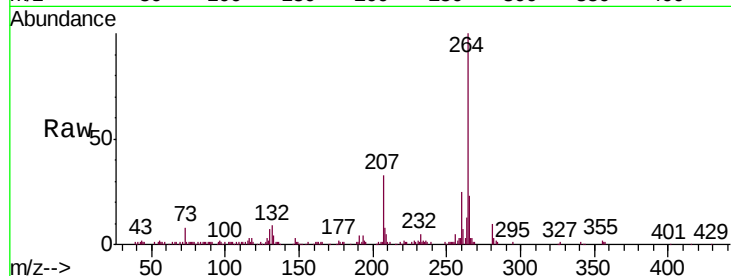
Tgt Ion:264 Resp: 155993

Ion Ratio Lower Upper

264 100

260 25.0 20.2 30.2

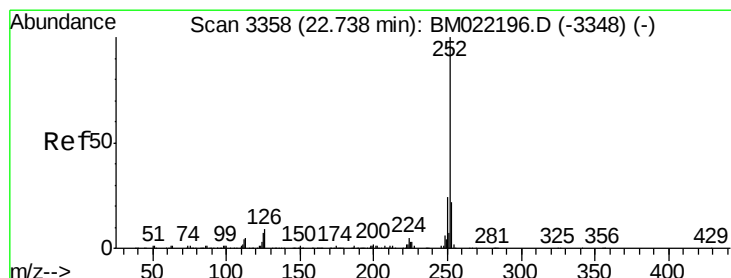
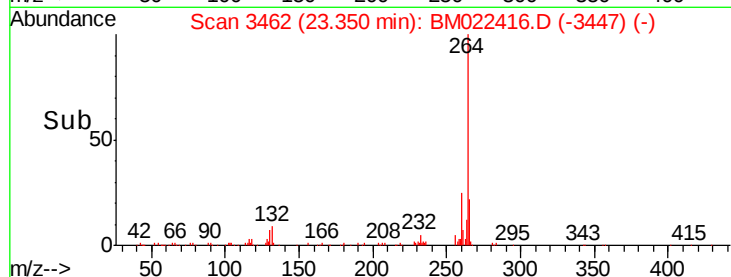
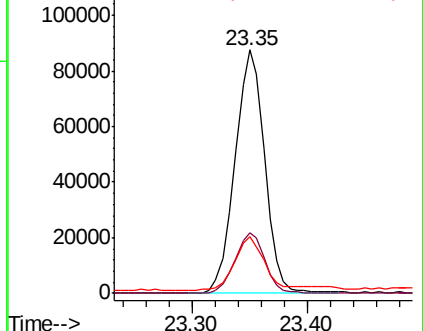
265 23.1 18.2 27.2



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: 24.055 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

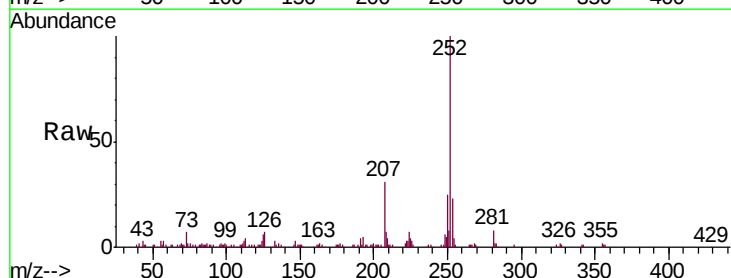
Tgt Ion:252 Resp: 260689

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

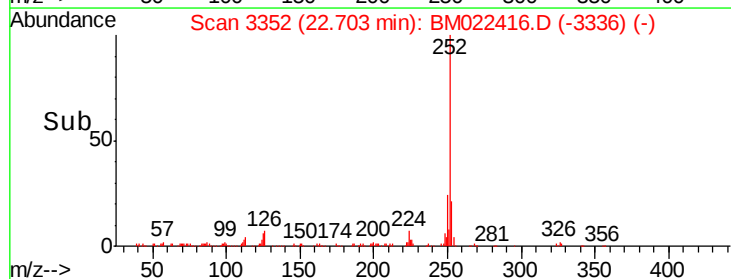
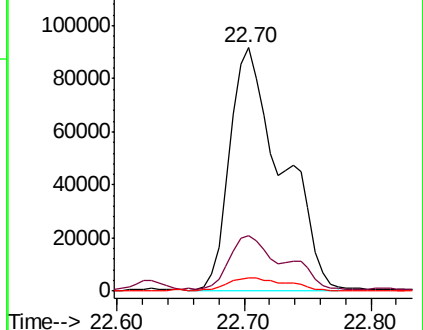
125 5.6 3.5 5.3#

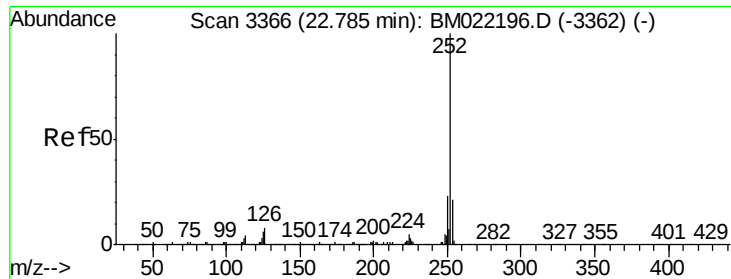


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

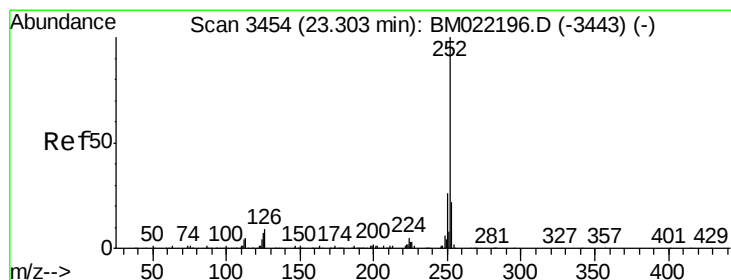
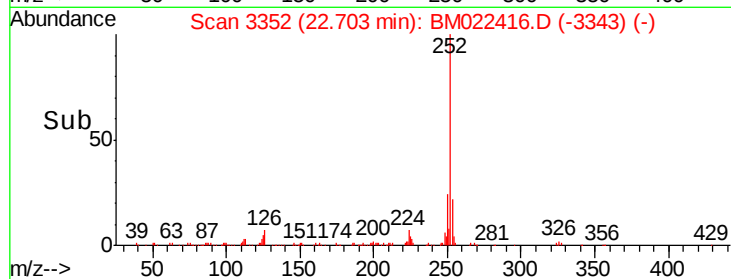
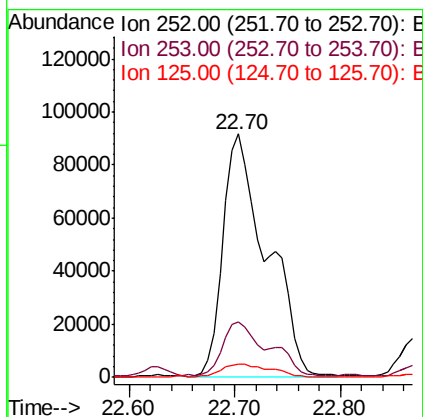
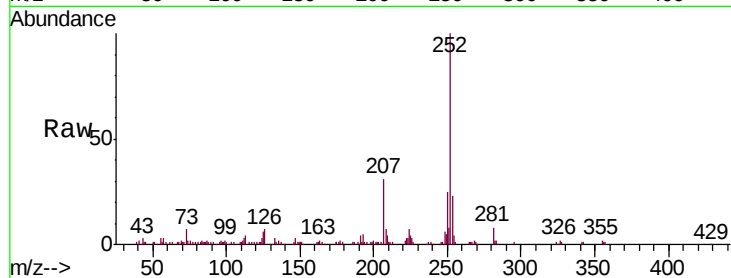




#89
Benzo(k)fluoranthene
Concen: 24.317 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.05 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

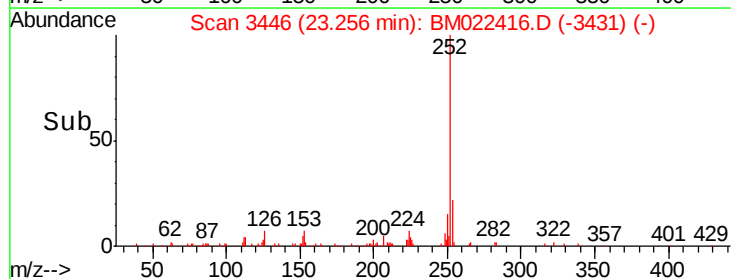
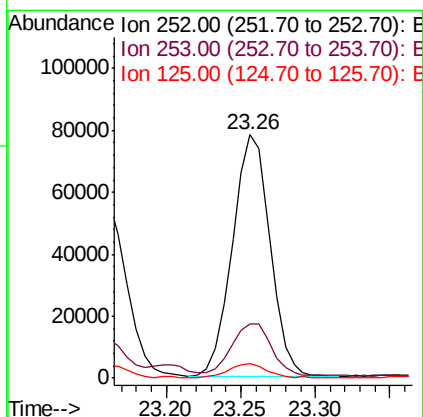
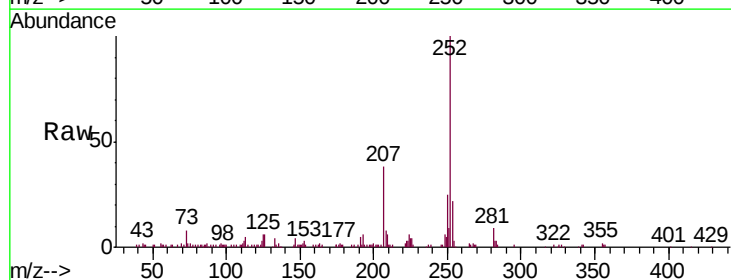
Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

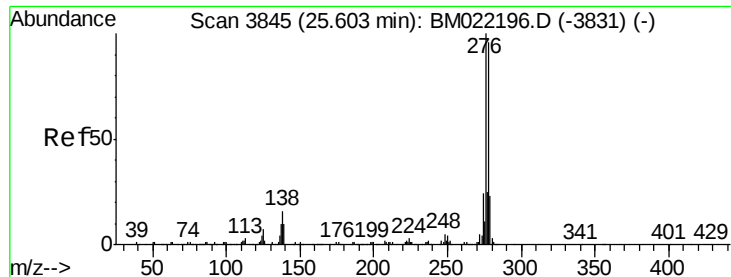
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	5.6	3.7	5.5#



#90
Benzo(a)pyrene
Concen: 14.255 ng
RT: 23.26 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	6.1	3.8	5.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.551 ng

RT: 25.53 min Scan# 3832

Delta R.T. -0.02 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

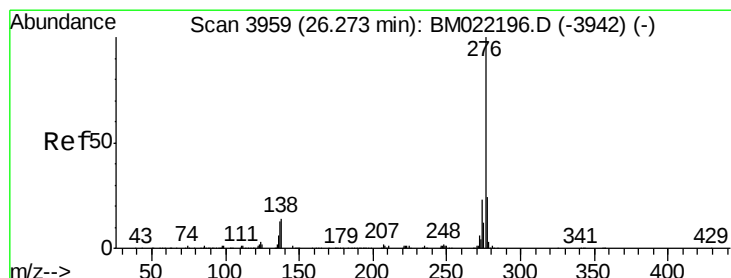
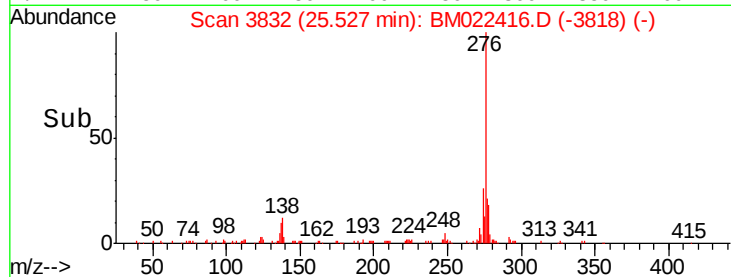
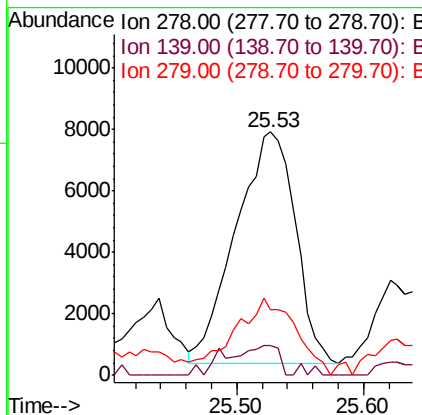
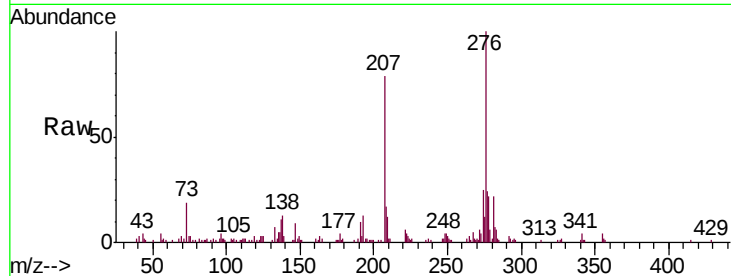
Instrument :

BNA_M

ClientSampleId :

S704-N-1.0-1.5-082119RE

Tgt Ion:	278	Resp:	24471
Ion	Ratio	Lower	Upper
278	100		
139	12.1	6.6	9.8#
279	26.9	19.3	28.9



#92

Benzo(g,h,i)perylene

Concen: 11.525 ng

RT: 26.20 min Scan# 3946

Delta R.T. -0.02 min

Lab File: BM022416.D

Acq: 29 Aug 2019 20:10

Tgt Ion:	276	Resp:	96343
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	11.1	8.8	13.2

