

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022460.D
 Acq On : 31 Aug 2019 02:50
 Operator : HP/JU
 Sample : K4439-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 05:33:45 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

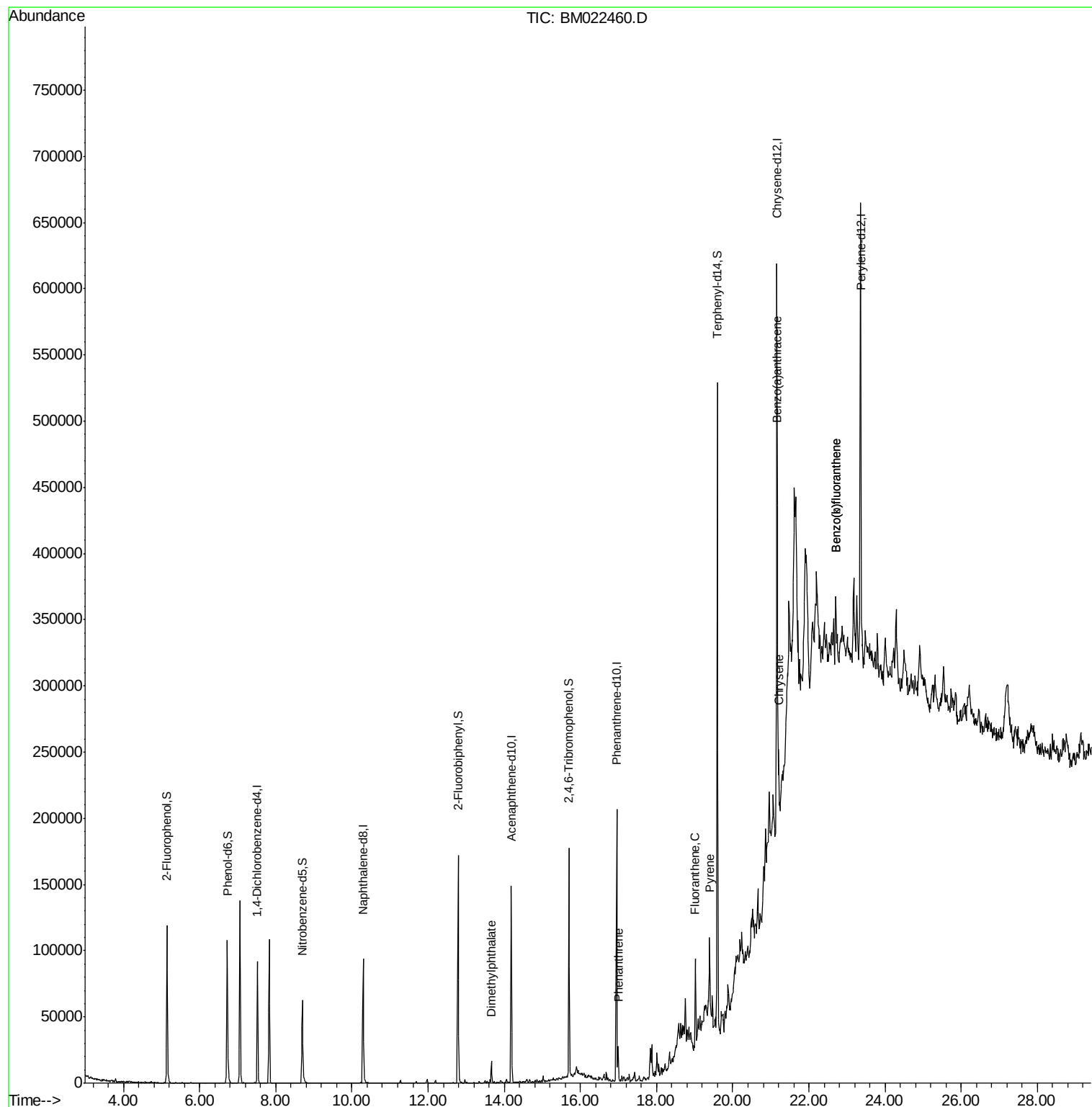
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	20766	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	74125	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	46777	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	107972	20.00	ng	0.00
76) Chrysene-d12	21.16	240	171683	20.00	ng	-0.01
87) Perylene-d12	23.36	264	220065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	43692	36.93	ng	0.00
7) Phenol-d6	6.72	99	55315	34.96	ng	0.00
23) Nitrobenzene-d5	8.70	82	37980	22.44	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	27284	28.50	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	84522	20.47	ng	0.00
79) Terphenyl-d14	19.59	244	189024	14.53	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.66	163	11873	2.918	ng	Qvalue # 94
71) Phenanthrene	16.99	178	15016	2.386	ng	97
75) Fluoranthene	19.02	202	29825	3.559	ng	97
78) Pyrene	19.39	202	31952	2.731	ng	97
81) Benzo(a)anthracene	21.15	228	25424	2.063	ng	# 88
83) Chrysene	21.20	228	33588	2.864	ng	# 90
88) Benzo(b)fluoranthene	22.70	252	39498	2.584	ng	# 86
89) Benzo(k)fluoranthene	22.70	252	39498	2.604	ng	# 84

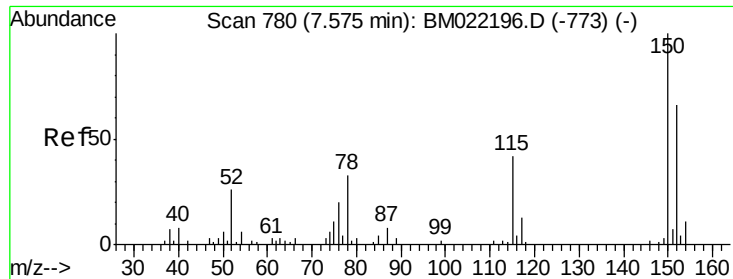
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

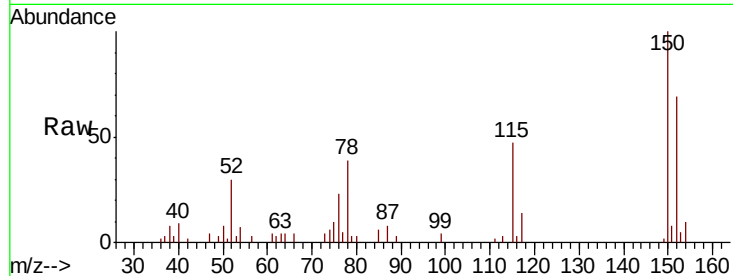




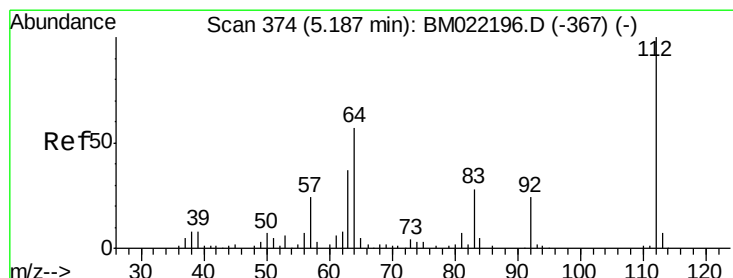
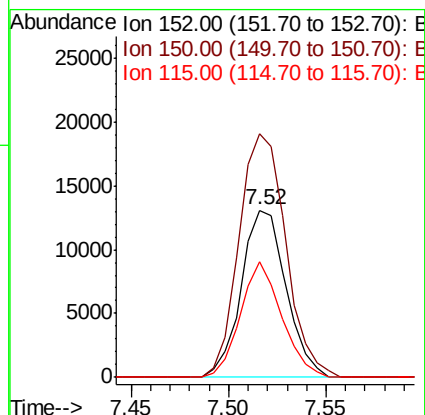
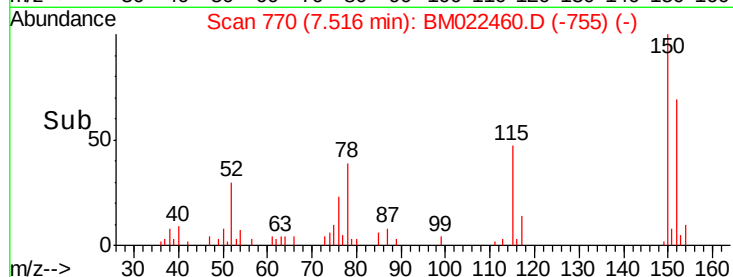
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:152 Resp: 20766
 Ion Ratio Lower Upper
 152 100
 150 145.5 125.4 188.0
 115 69.1 50.3 75.5

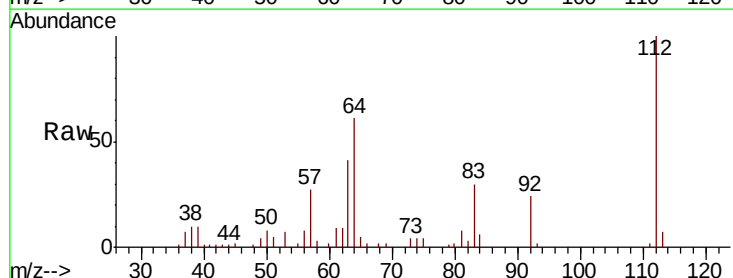


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

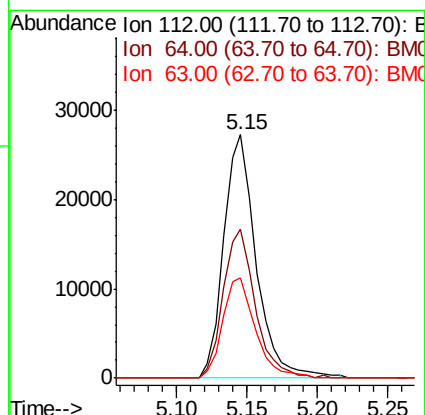
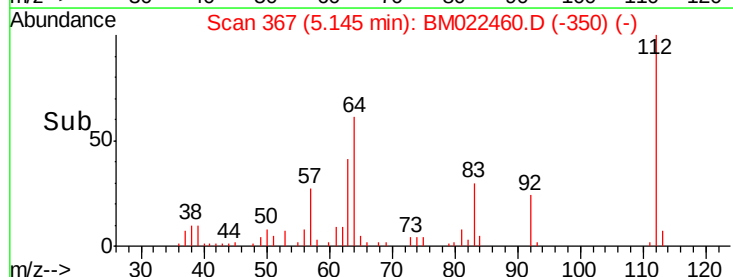


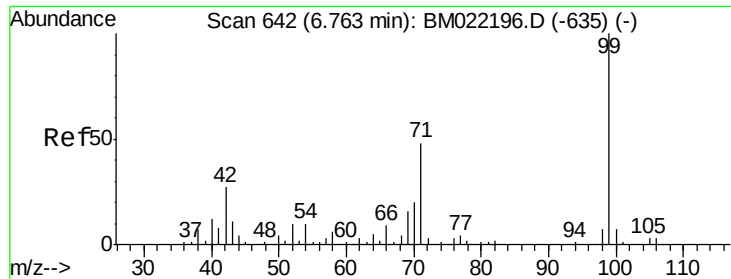
#5
 2-Fluorophenol
 Concen: 36.932 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Tgt Ion:112 Resp: 43692
 Ion Ratio Lower Upper
 112 100
 64 61.2 45.4 68.2
 63 41.1 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: 34.965 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampled :

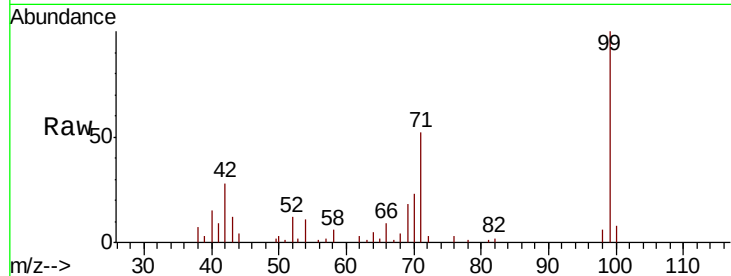
Tot Ion: 99 Resp: 55315

Ion Ratio Lower Upper

99 100

42 28.5 26.3 39.5

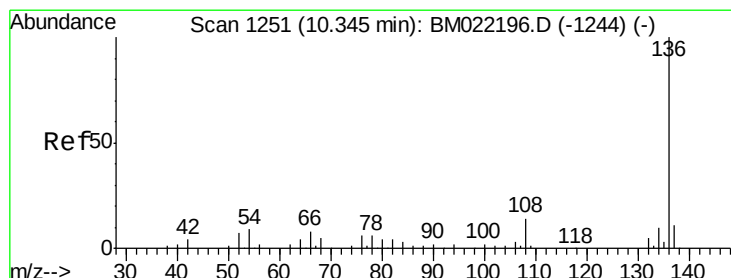
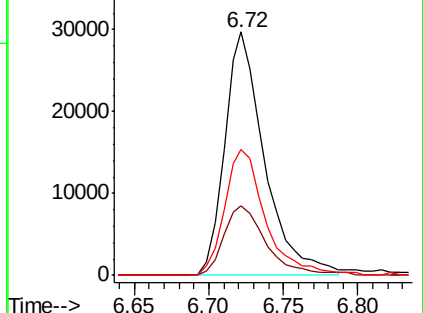
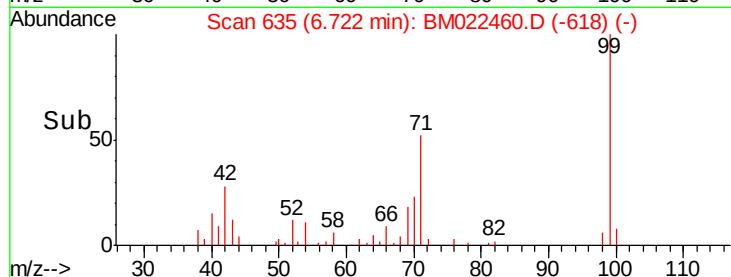
71 51.5 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022460.D (-618) (-)

Ion 42.00 (41.70 to 42.70): BM022460.D (-618) (-)

Ion 71.00 (70.70 to 71.70): BM022460.D (-618) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Tgt Ion: 136 Resp: 74125

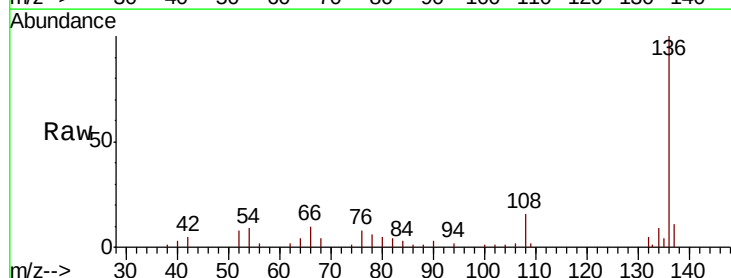
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.7 7.0 10.6

68 3.8 2.9 4.3

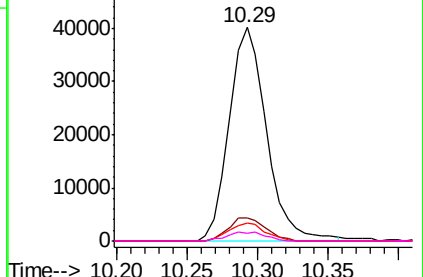
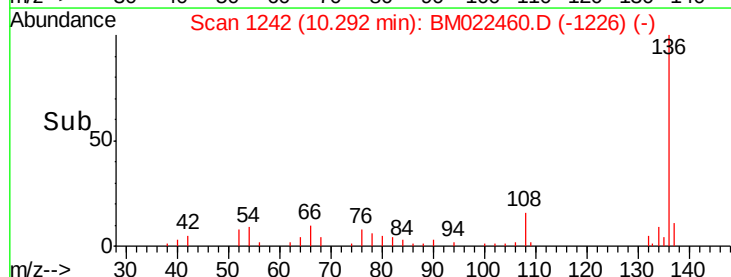


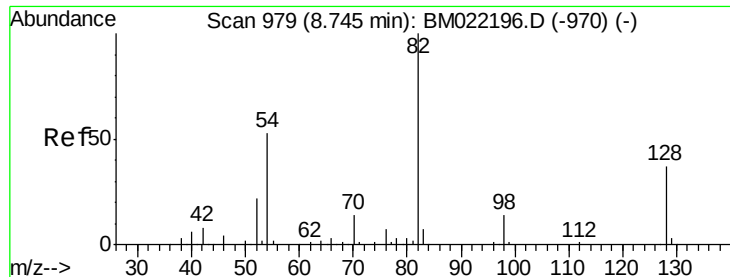
Abundance Ion 136.00 (135.70 to 136.70): BM022460.D (-1226) (-)

Ion 137.00 (136.70 to 137.70): BM022460.D (-1226) (-)

Ion 54.00 (53.70 to 54.70): BM022460.D (-1226) (-)

Ion 68.00 (67.70 to 68.70): BM022460.D (-1226) (-)

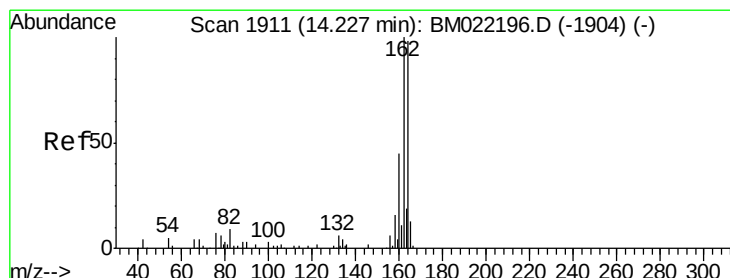
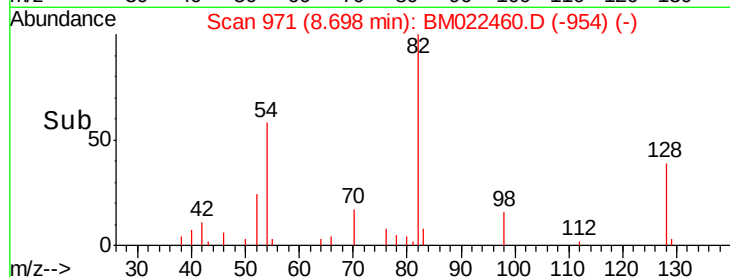
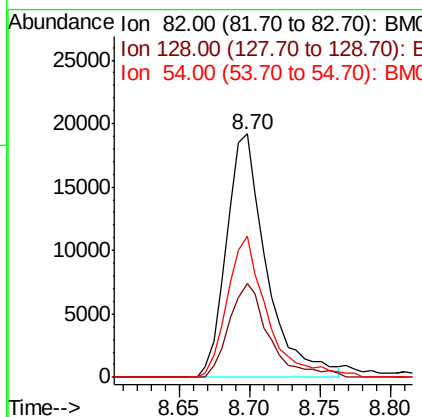
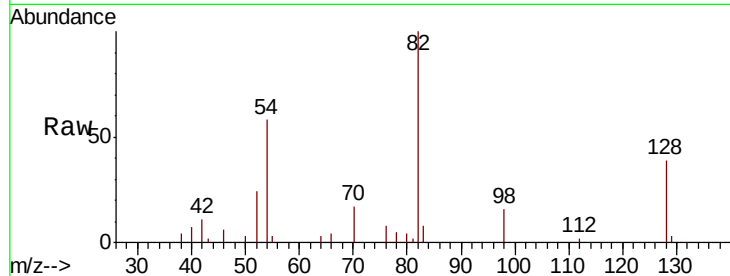




#23
 Nitrobenzene-d5
 Concen: 22.442 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

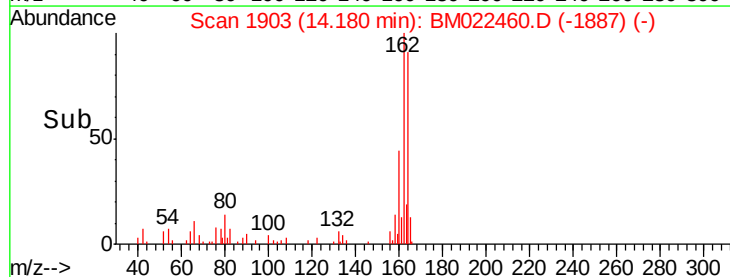
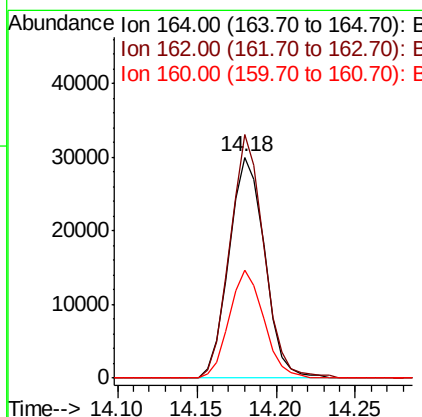
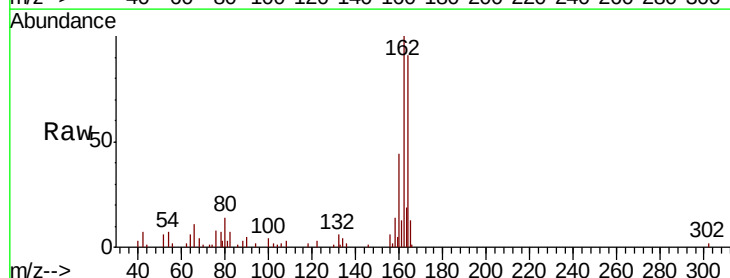
Instrument :
 BNA_M
 ClientSampleId :

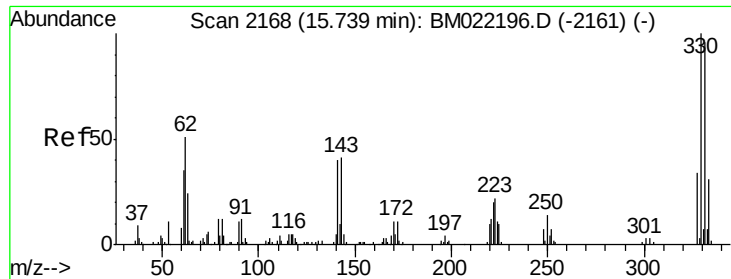
Tot Ion: 82 Resp: 37980
 Ion Ratio Lower Upper
 82 100
 128 38.7 27.9 41.9
 54 57.8 45.2 67.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Tgt Ion: 164 Resp: 46777
 Ion Ratio Lower Upper
 164 100
 162 110.3 80.6 121.0
 160 48.8 37.3 55.9

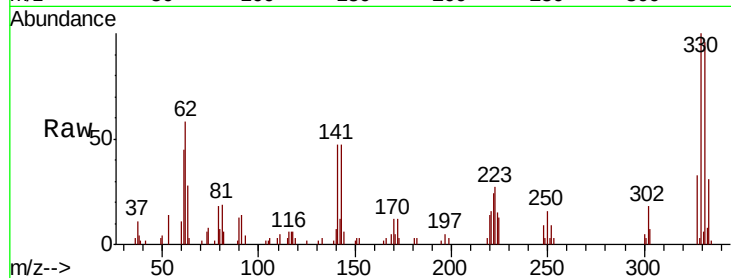




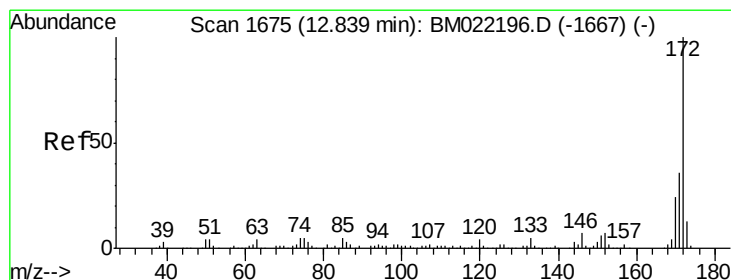
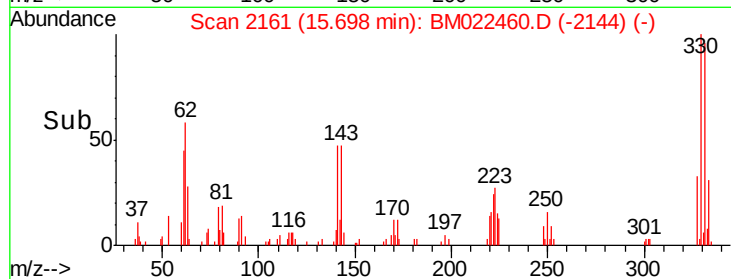
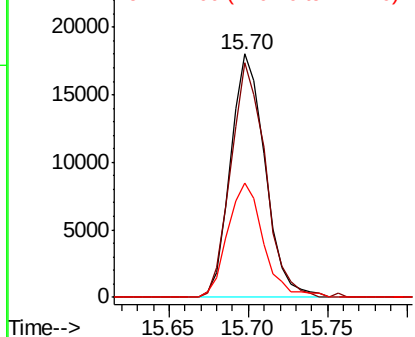
#42
 2,4,6-Tribromophenol
 Concen: 28.504 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 27284
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.8 116.8
 141 48.6 35.6 53.4

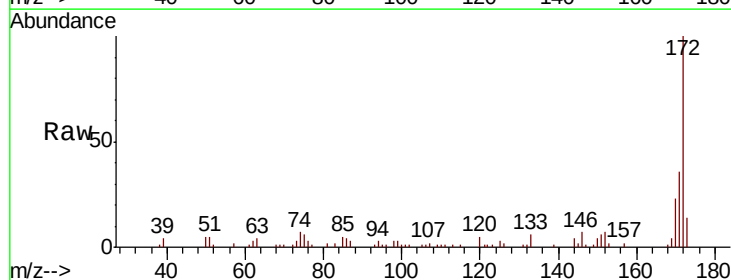


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

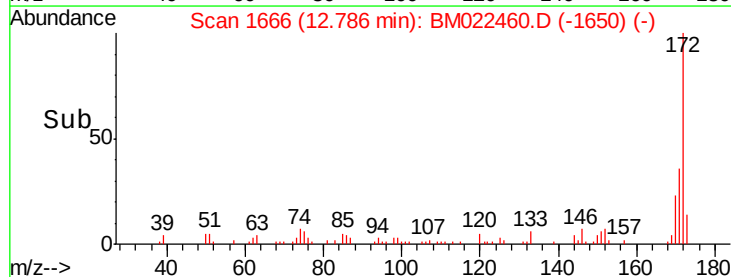
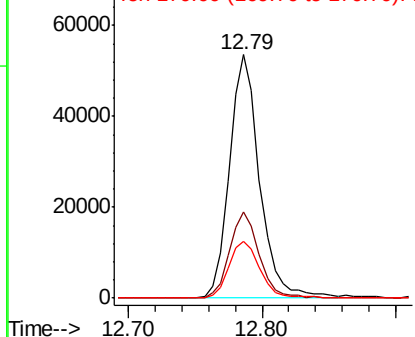


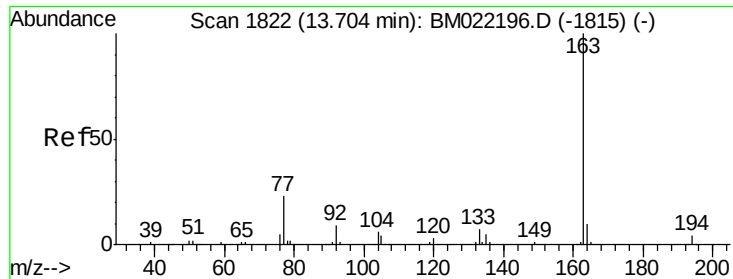
#45
 2-Fluorobiphenyl
 Concen: 20.470 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Tgt Ion:172 Resp: 84522
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.5 42.7
 170 23.5 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: 2.918 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

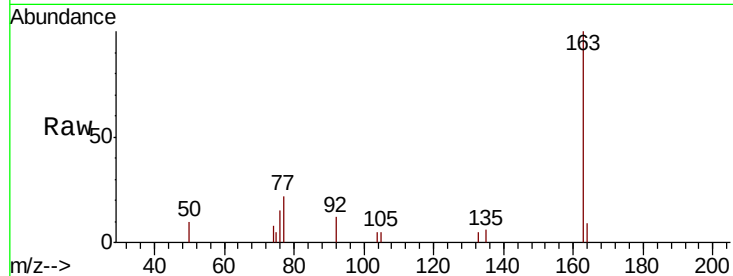
Tot Ion:163 Resp: 11873

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

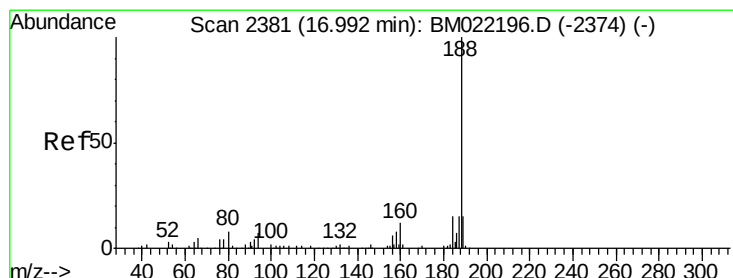
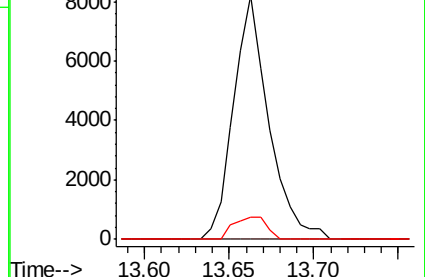
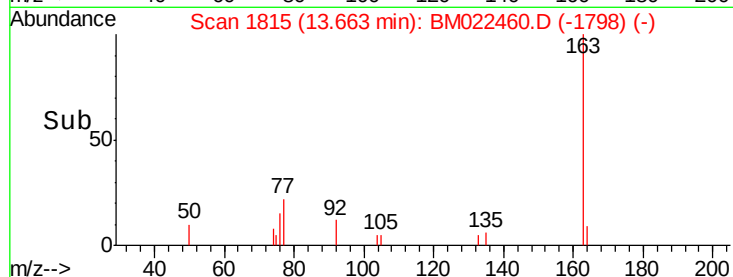
164 9.2 8.2 12.2



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: BM022460.D

Acq: 31 Aug 2019 02:50

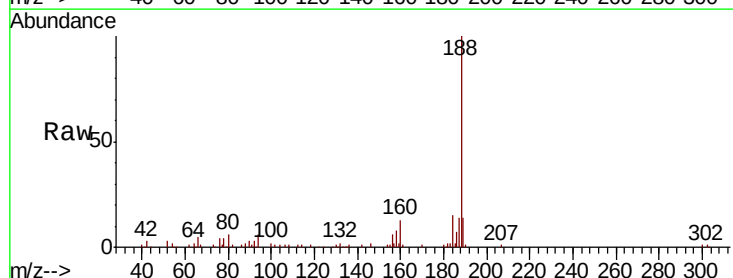
Tgt Ion:188 Resp: 107972

Ion Ratio Lower Upper

188 100

94 5.8 4.4 6.6

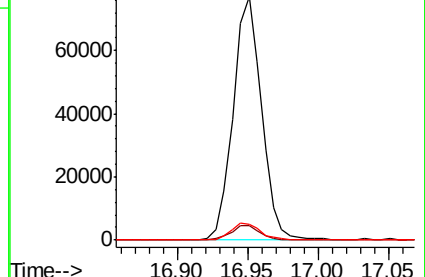
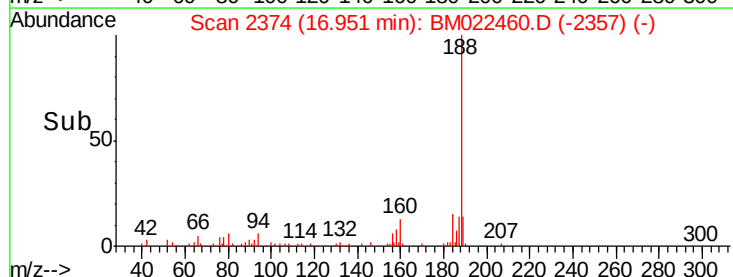
80 6.3 5.0 7.6

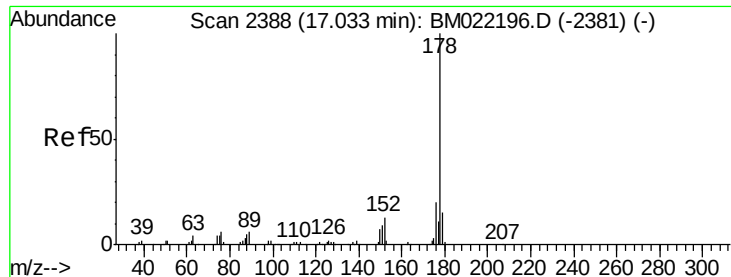


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 2.386 ng

RT: 16.99 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

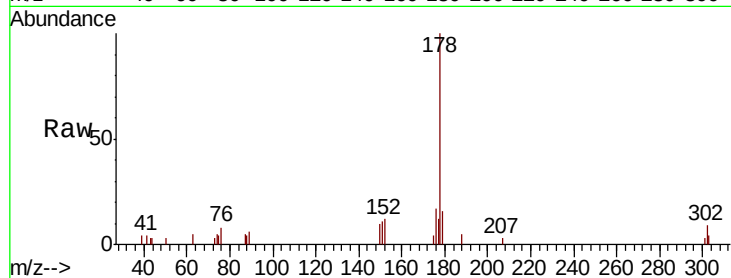
Tot Ion:178 Resp: 15016

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

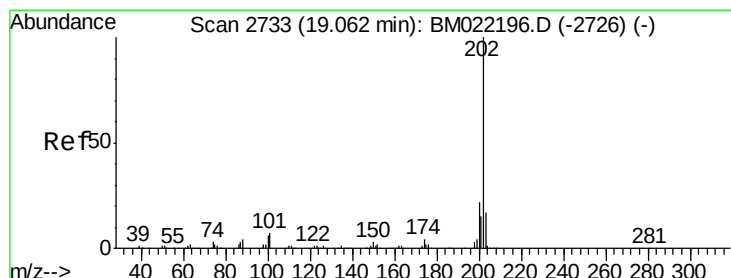
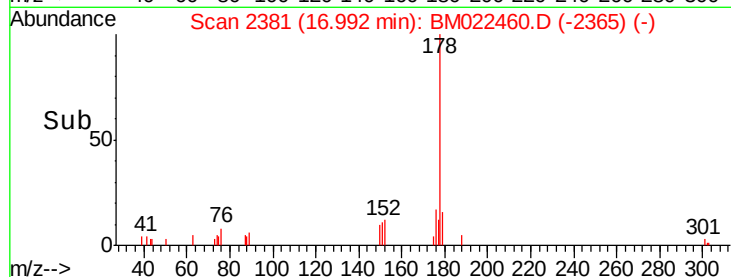
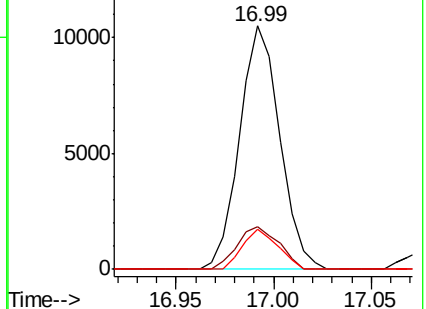
179 16.3 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 3.559 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

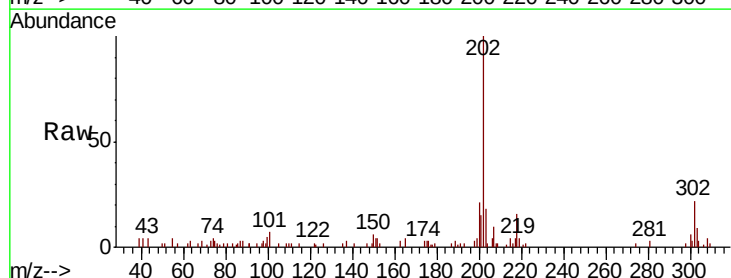
Tgt Ion:202 Resp: 29825

Ion Ratio Lower Upper

202 100

101 7.3 0.0 25.1

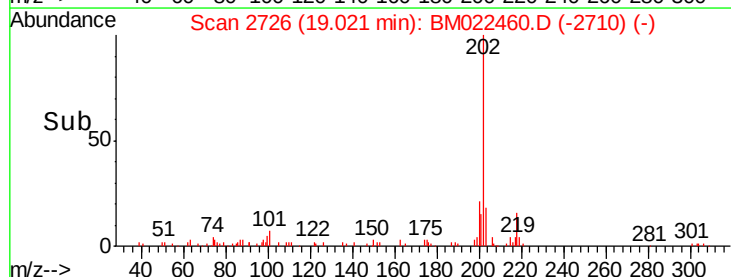
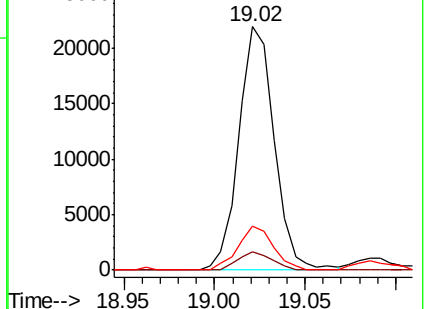
203 17.9 0.0 37.1

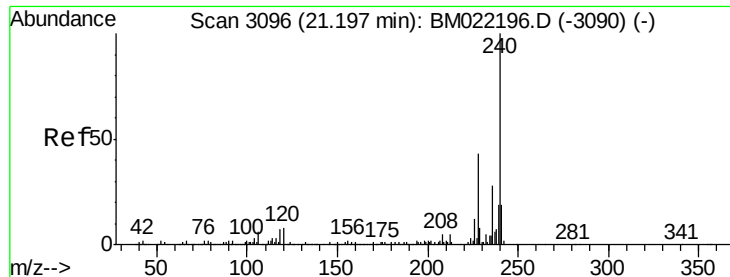


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

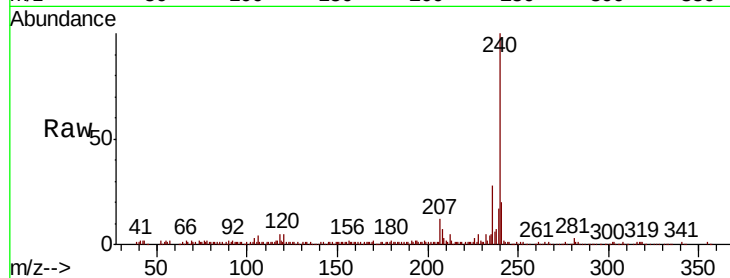
Tot Ion:240 Resp: 171683

Ion Ratio Lower Upper

240 100

120 5.3 3.9 5.9

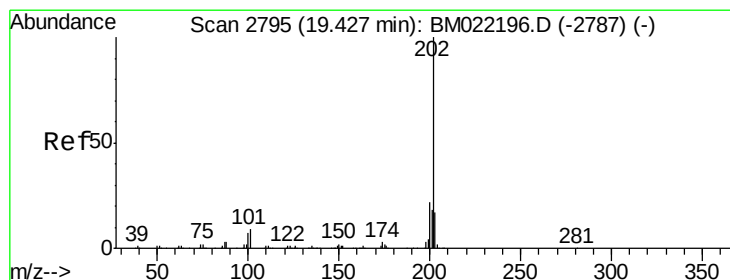
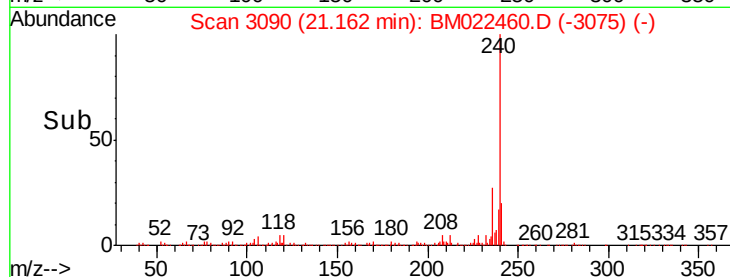
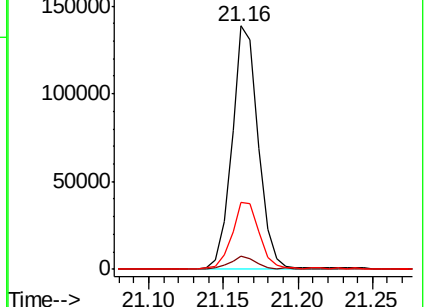
236 27.6 21.4 32.2



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: 2.731 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

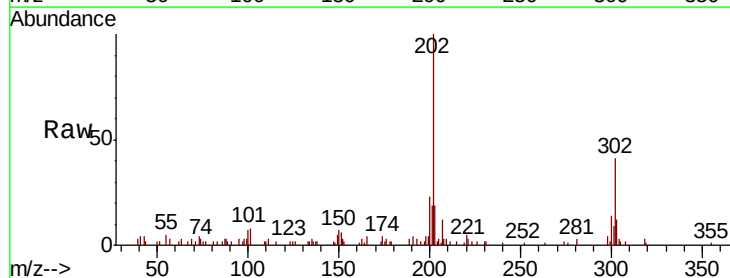
Tgt Ion:202 Resp: 31952

Ion Ratio Lower Upper

202 100

200 22.8 17.7 26.5

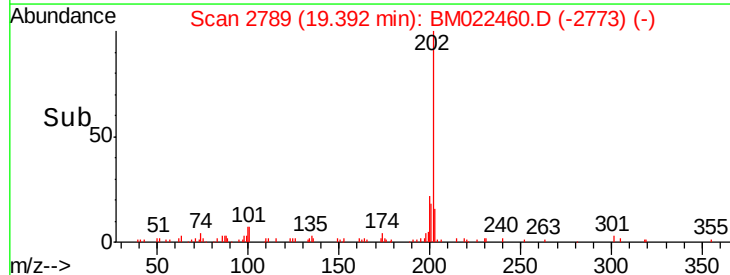
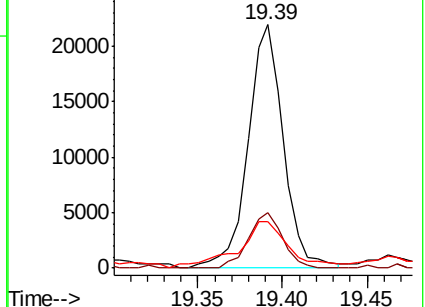
203 19.0 13.8 20.8

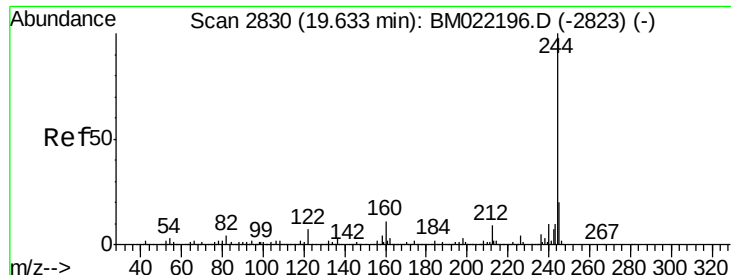


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 14.531 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

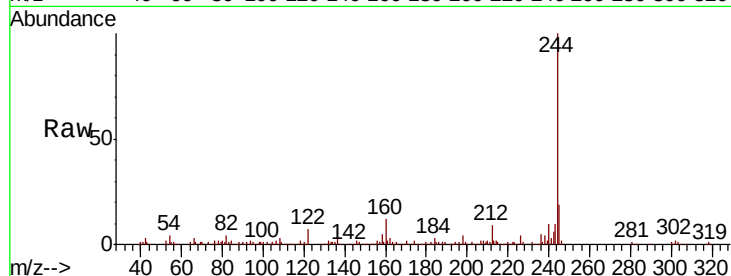
Tot Ion:244 Resp: 189024

Ion Ratio Lower Upper

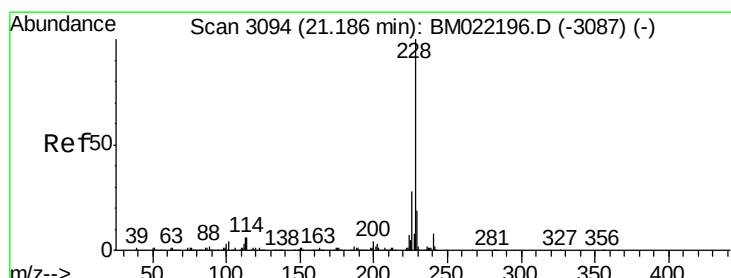
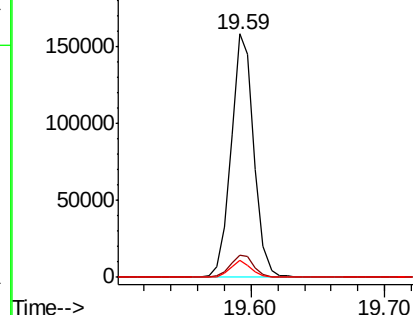
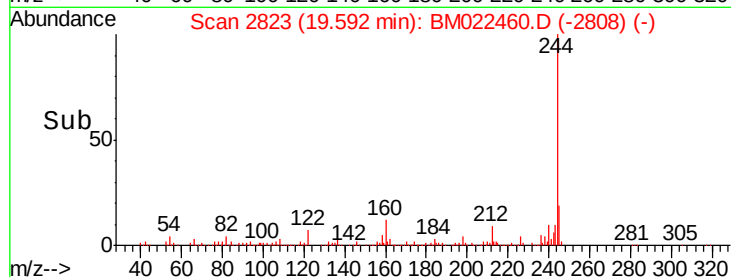
244 100

212 9.2 7.0 10.4

122 6.9 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: 2.063 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

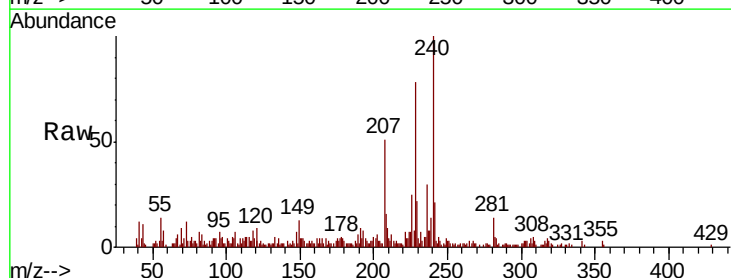
Tgt Ion:228 Resp: 25424

Ion Ratio Lower Upper

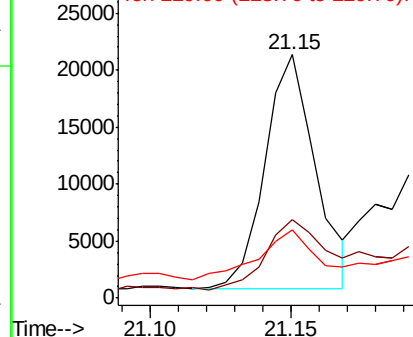
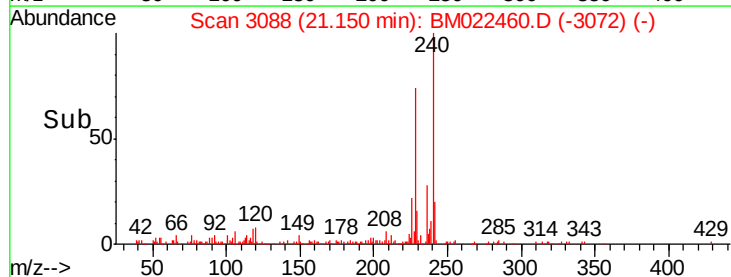
228 100

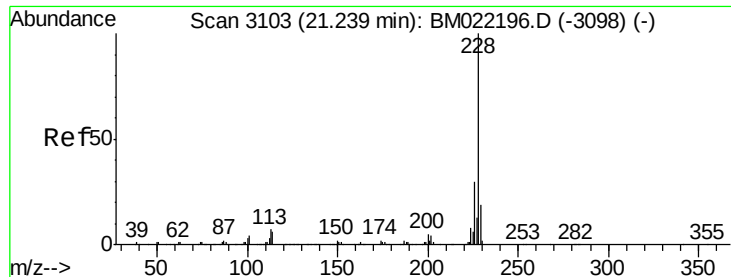
226 32.0 22.6 34.0

229 28.2 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

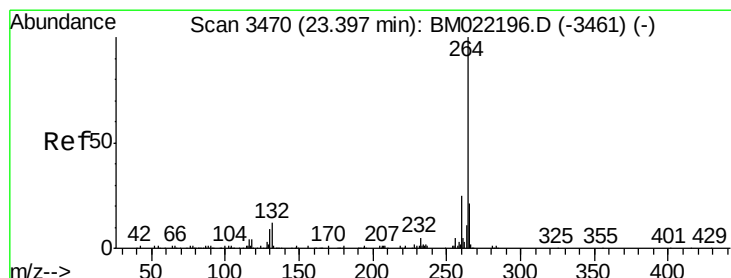
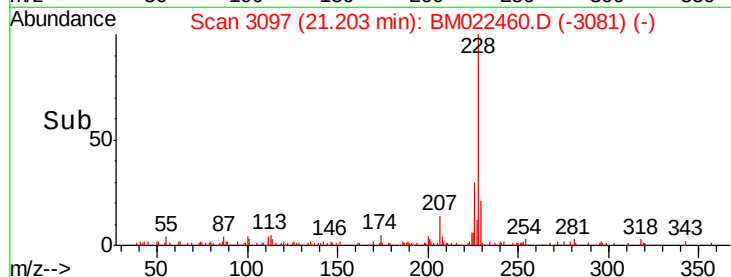
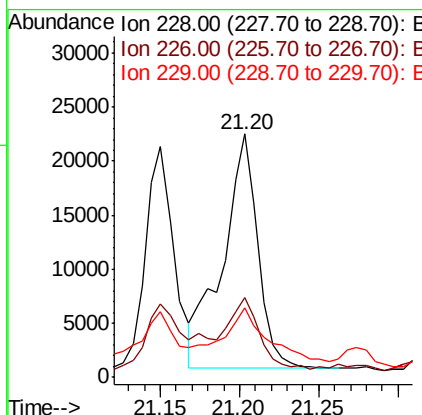
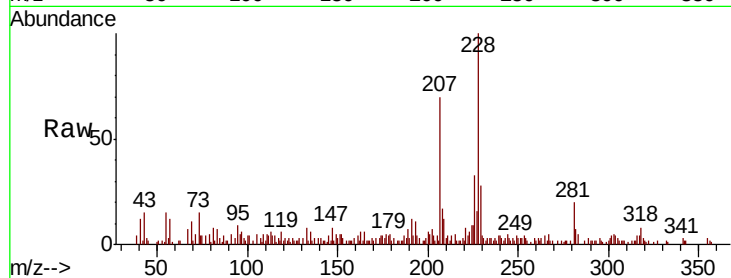




#83
Chrysene
Concen: 2.864 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

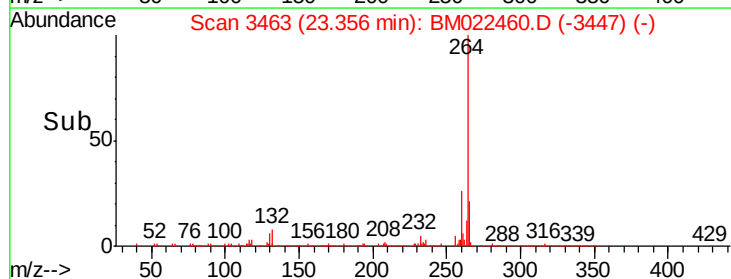
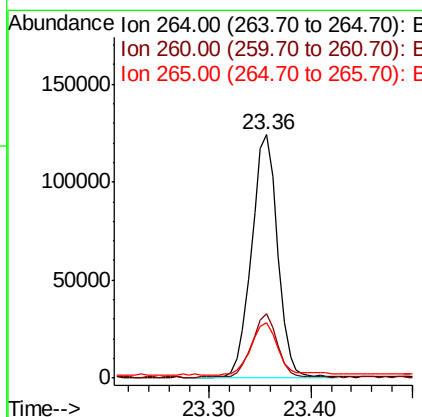
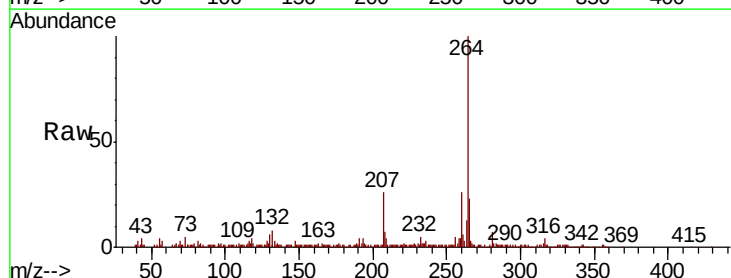
Instrument :
BNA_M
ClientSampled :

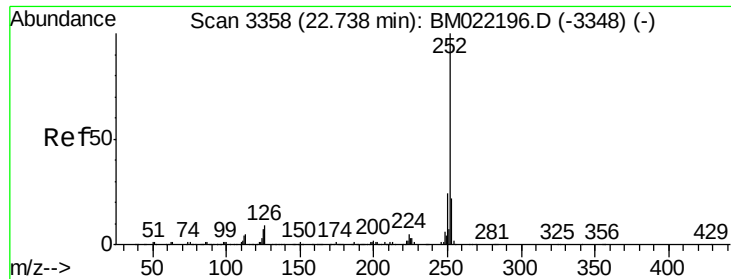
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.5	36.7
229	28.5	15.7	23.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.2	30.2
265	22.5	18.2	27.2





#88

Benzo(b)fluoranthene

Concen: 2.584 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM022460.D

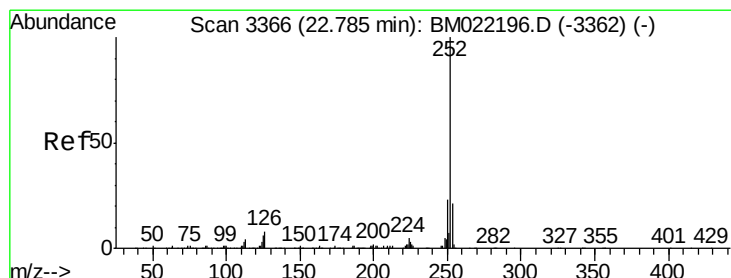
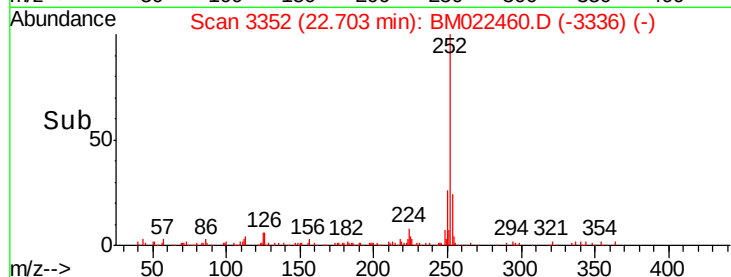
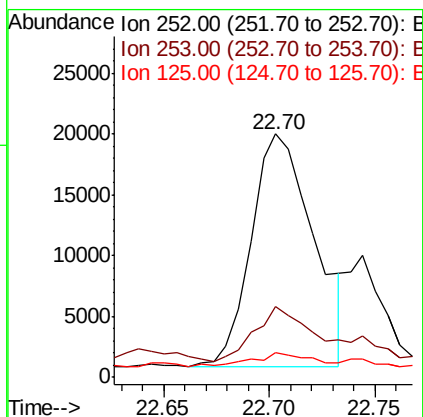
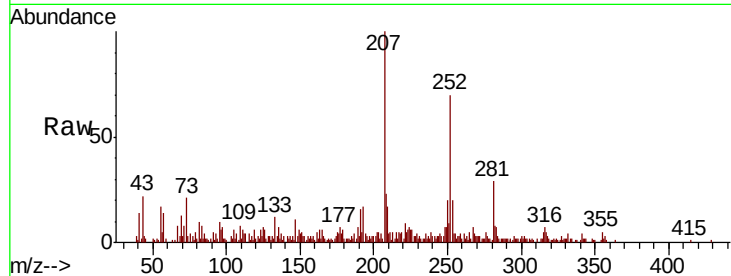
Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	39498
Ion Ratio	Lower	Upper
252	100	
253	28.8	17.9 26.9#
125	10.1	3.5 5.3#



#89

Benzo(k)fluoranthene

Concen: 2.604 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.05 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Tgt Ion:252	Resp:	39498
Ion Ratio	Lower	Upper
252	100	
253	28.8	17.0 25.4#
125	10.1	3.7 5.5#

