

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022462.D
 Acq On : 31 Aug 2019 04:03
 Operator : HP/JU
 Sample : K4439-02 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 05:34:13 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

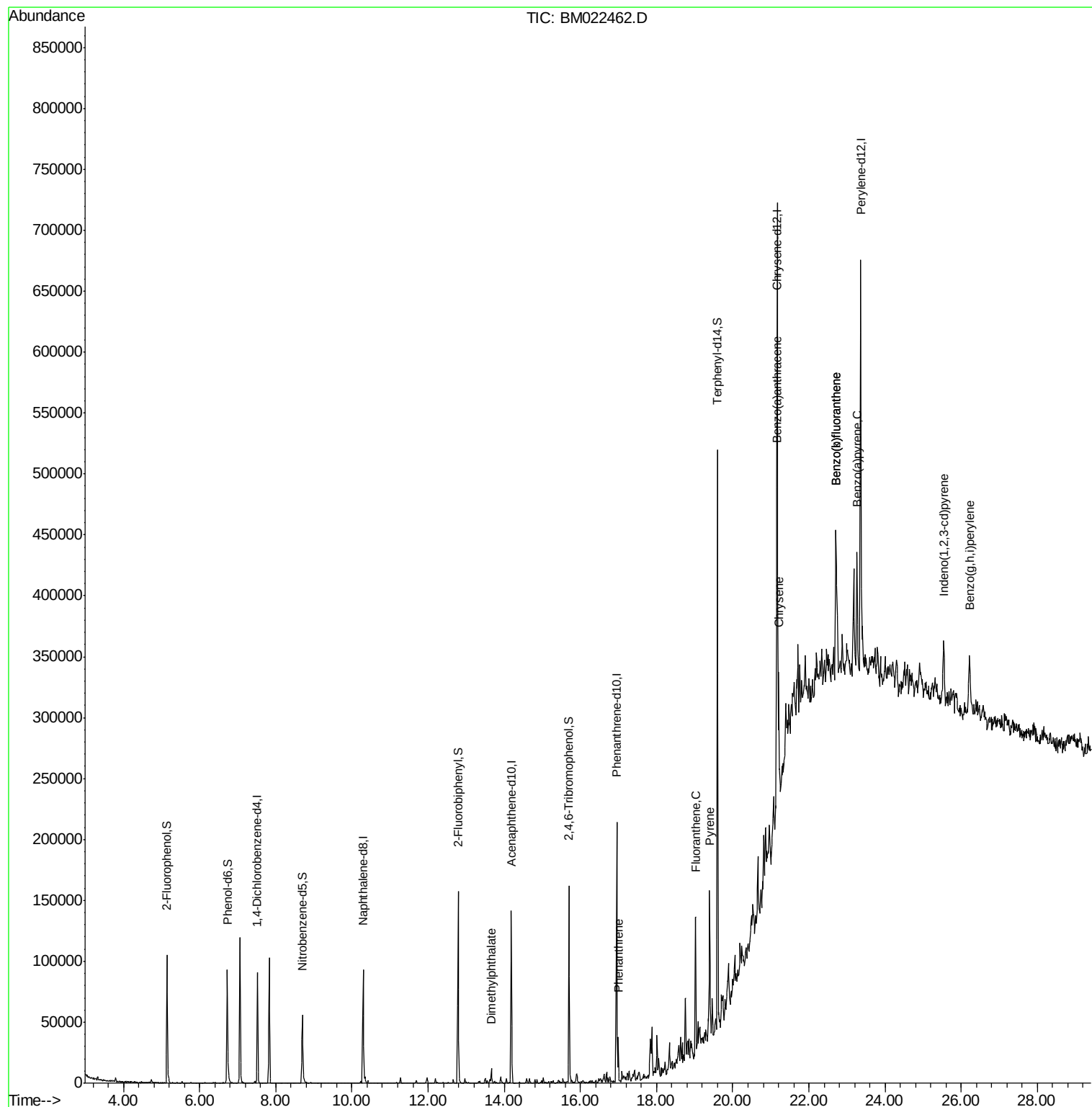
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	20487	20.00	ng	0.00
21) Naphthalene-d8	10.29	136	72179	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	46401	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	111802	20.00	ng	0.00
76) Chrysene-d12	21.17	240	183308	20.00	ng	0.00
87) Perylene-d12	23.36	264	224360	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	38857	33.29	ng	0.00
7) Phenol-d6	6.72	99	48739	31.23	ng	0.00
23) Nitrobenzene-d5	8.70	82	35184	21.35	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	24712	26.03	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	74675	18.23	ng	0.00
79) Terphenyl-d14	19.60	244	183491	13.21	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.66	163	8273	2.050	ng	Qvalue # 92
71) Phenanthrene	16.99	178	20543	3.152	ng	98
75) Fluoranthene	19.03	202	52931	6.099	ng	99
78) Pyrene	19.39	202	63742	5.102	ng	97
81) Benzo(a)anthracene	21.15	228	57121	4.341	ng	# 93
83) Chrysene	21.20	228	63321	5.056	ng	# 96
86) Indeno(1,2,3-cd)pyrene	25.54	276	45436	3.607	ng	100
88) Benzo(b)fluoranthene	22.71	252	114607	7.353	ng	# 94
89) Benzo(k)fluoranthene	22.71	252	115202	7.451	ng	# 91
90) Benzo(a)pyrene	23.26	252	59831	4.325	ng	# 92
92) Benzo(a,h,i)perylene	26.21	276	50615	4.210	ng	97

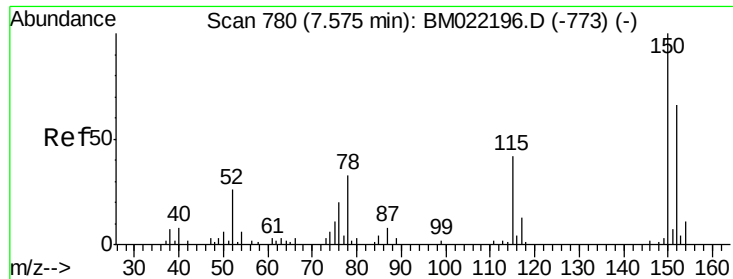
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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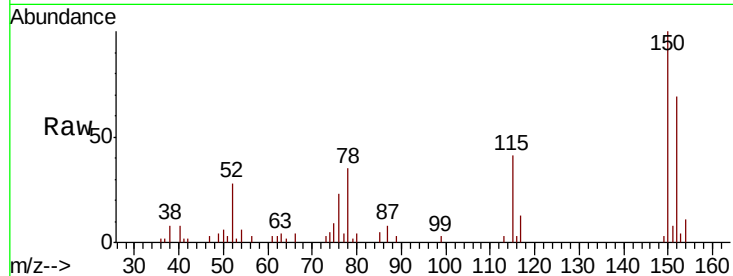


#1

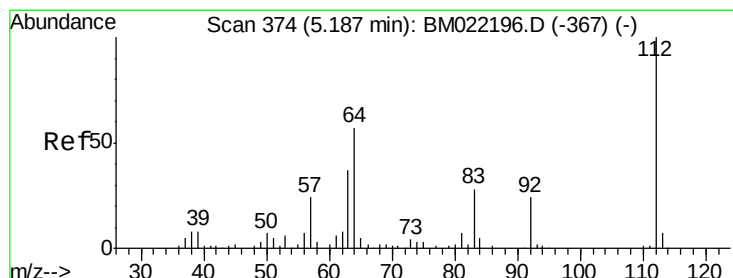
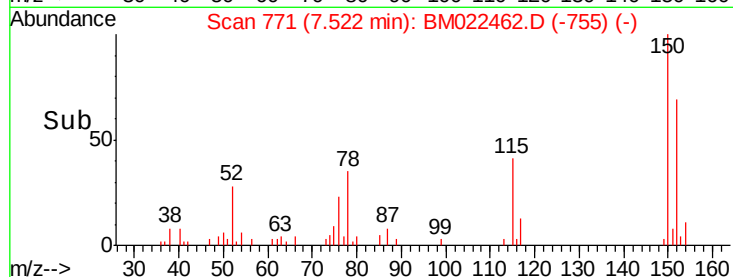
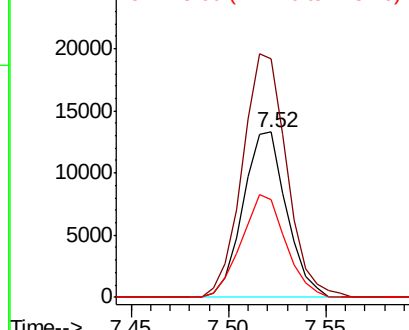
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 20487
Ion Ratio Lower Upper
152 100
150 144.5 125.4 188.0
115 58.8 50.3 75.5



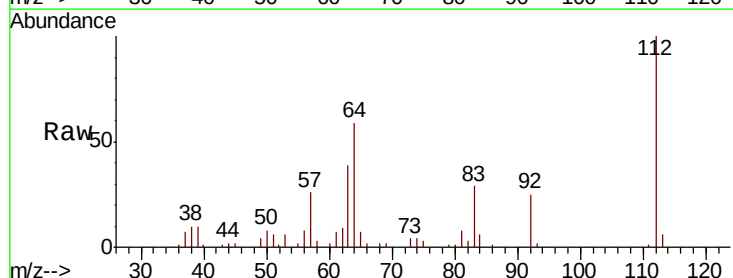
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



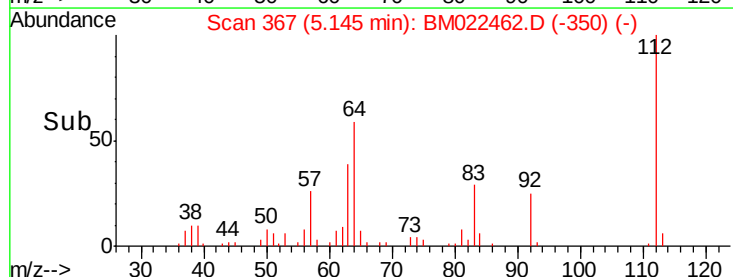
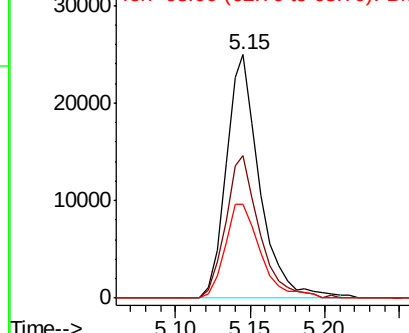
#5

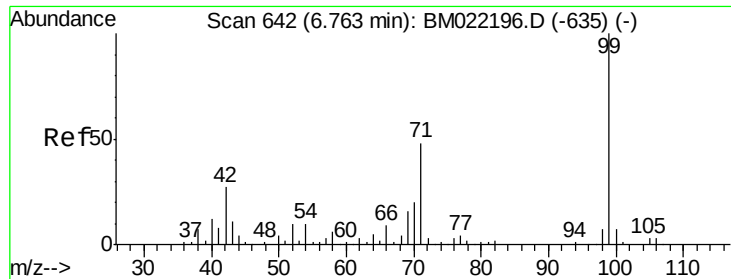
2-Fluorophenol
Concen: 33.293 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

Tgt Ion:112 Resp: 38857
Ion Ratio Lower Upper
112 100
64 58.5 45.4 68.2
63 38.6 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: 31.228 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Instrument :

BNA_M

ClientSampleId :

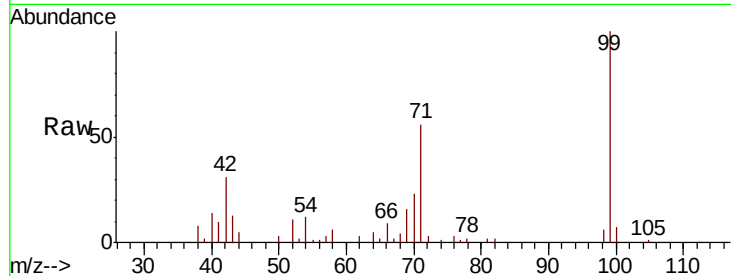
Tot Ion: 99 Resp: 48739

Ion Ratio Lower Upper

99 100

42 31.3 26.3 39.5

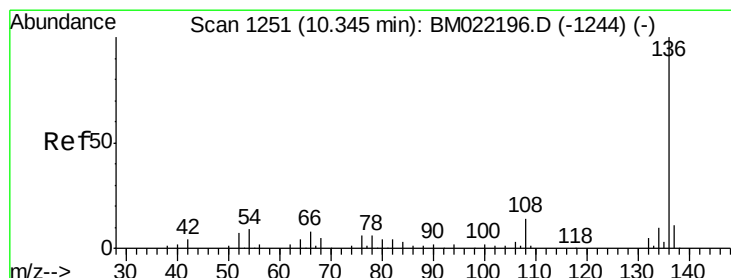
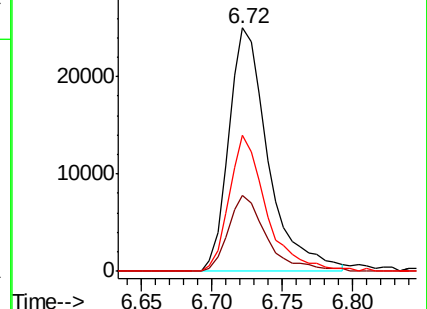
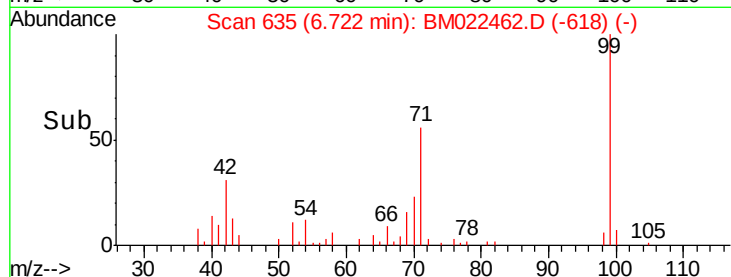
71 56.0 46.6 69.8



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: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Tgt Ion: 136 Resp: 72179

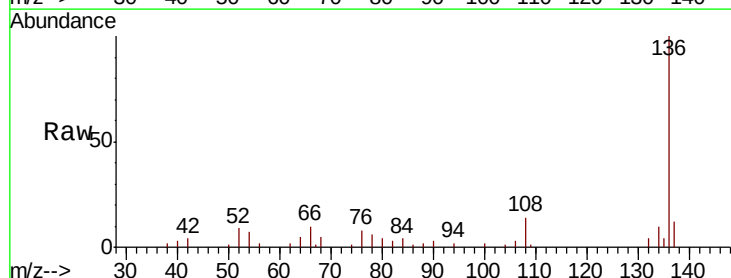
Ion Ratio Lower Upper

136 100

137 11.9 8.6 13.0

54 7.3 7.0 10.6

68 5.0 2.9 4.3#

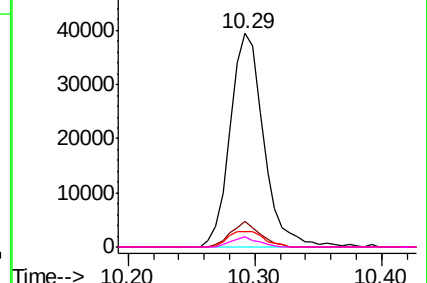
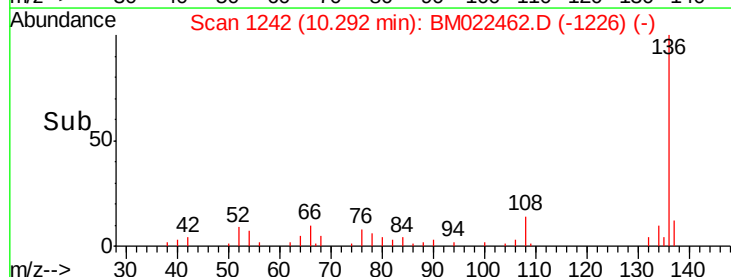


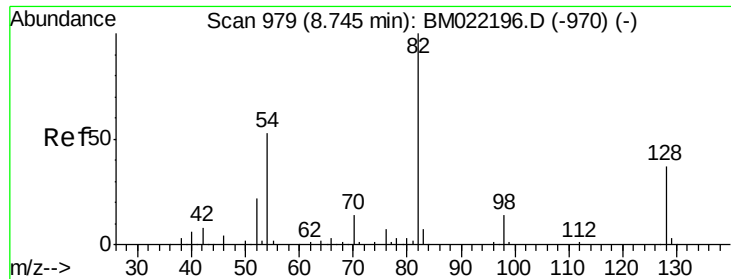
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

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) (-)

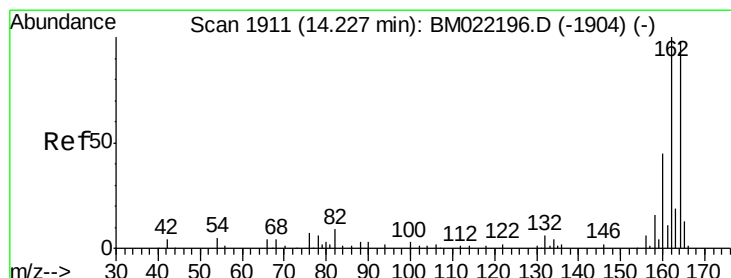
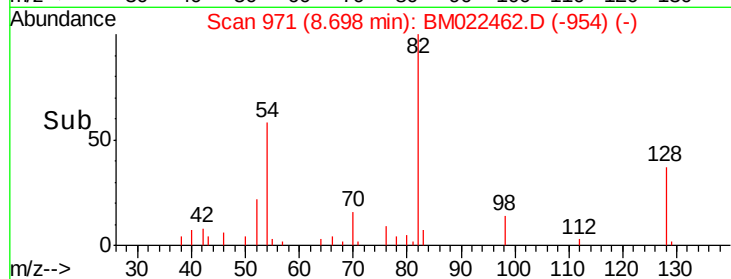
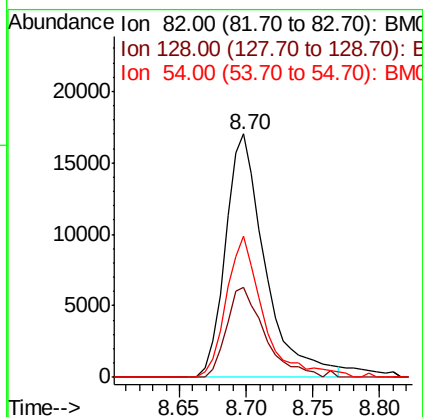
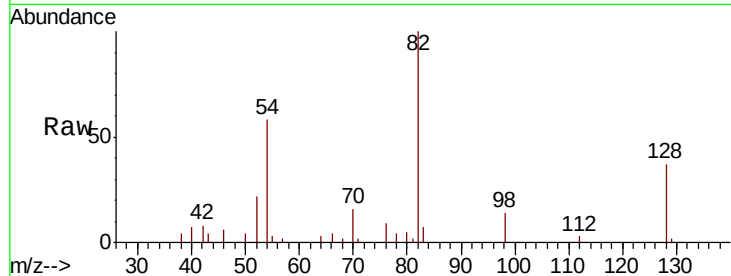




#23
 Nitrobenzene-d5
 Concen: 21.351 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

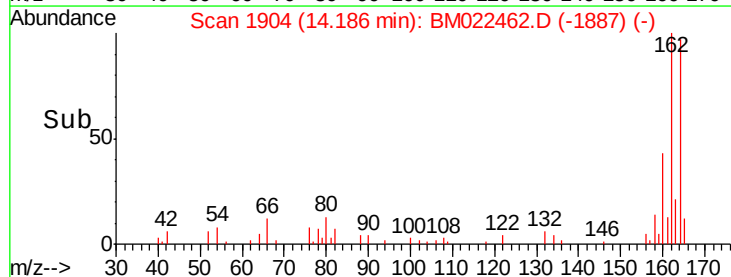
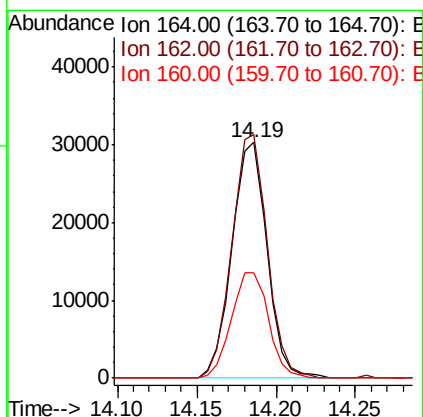
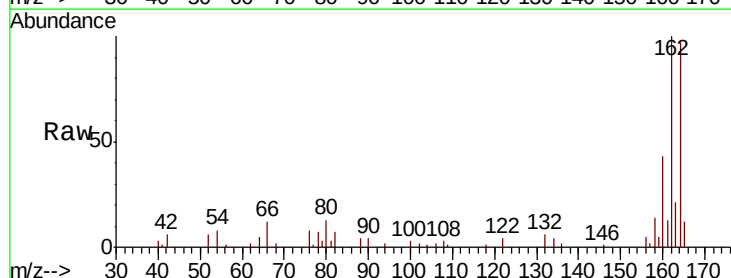
Instrument :
 BNA_M
 ClientSampleId :

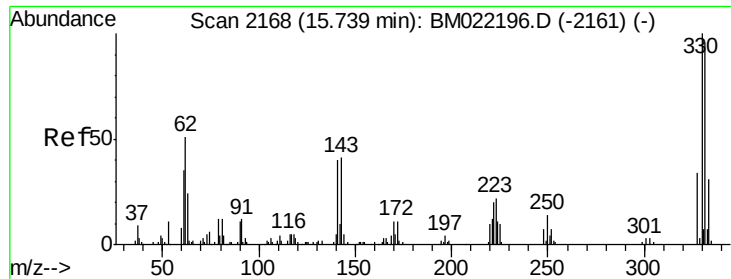
Tot Ion: 82 Resp: 35184
 Ion Ratio Lower Upper
 82 100
 128 37.2 27.9 41.9
 54 57.9 45.2 67.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.19 min Scan# 1904
 Delta R.T. -0.00 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

Tgt Ion:164 Resp: 46401
 Ion Ratio Lower Upper
 164 100
 162 103.4 80.6 121.0
 160 44.7 37.3 55.9





#42

2,4,6-Tribromophenol

Concen: 26.027 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Instrument :

BNA_M

ClientSampleId :

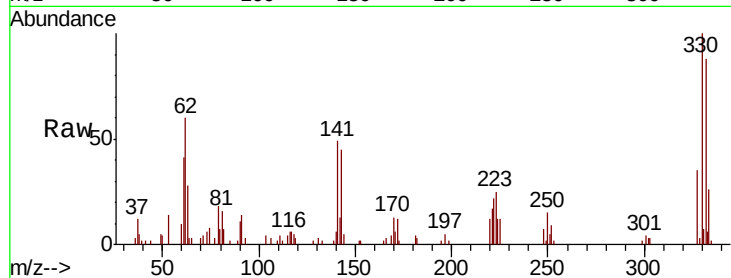
Tot Ion:330 Resp: 24712

Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.8

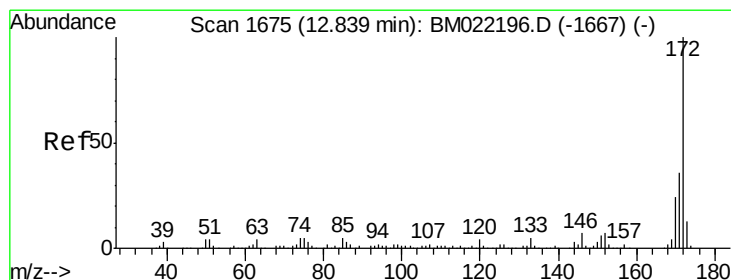
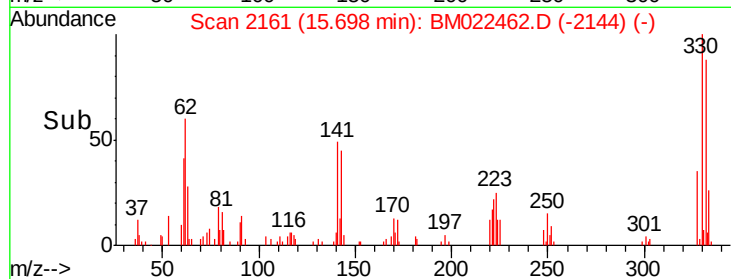
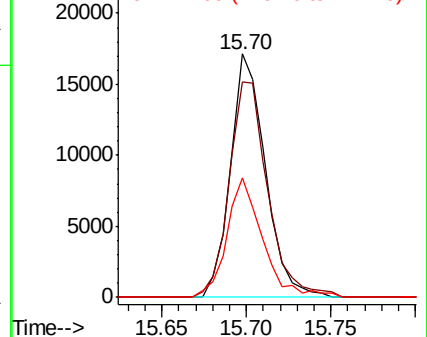
141 49.9 35.6 53.4



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: 18.231 ng

RT: 12.79 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

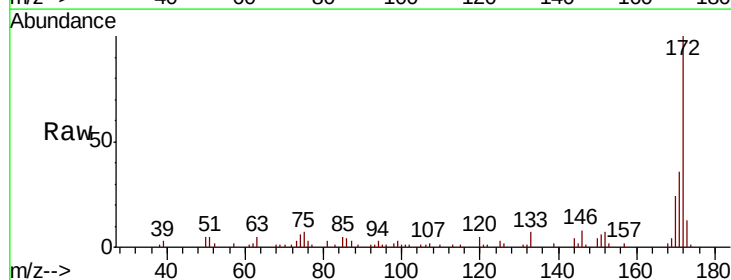
Tgt Ion:172 Resp: 74675

Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

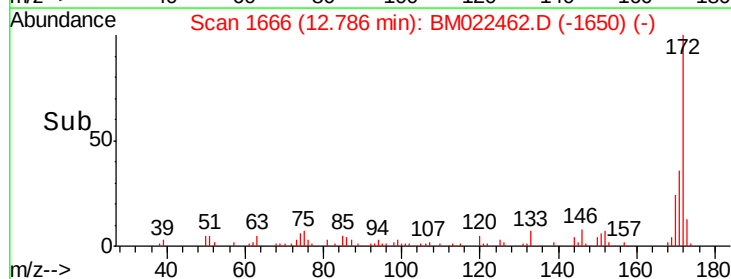
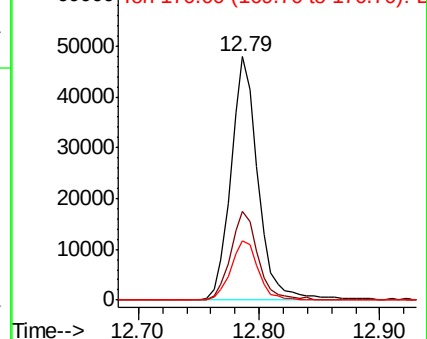
170 24.3 18.9 28.3

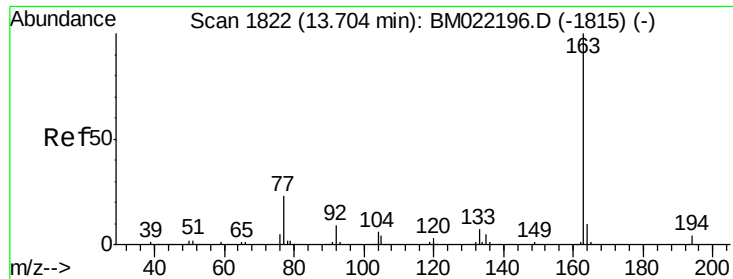


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

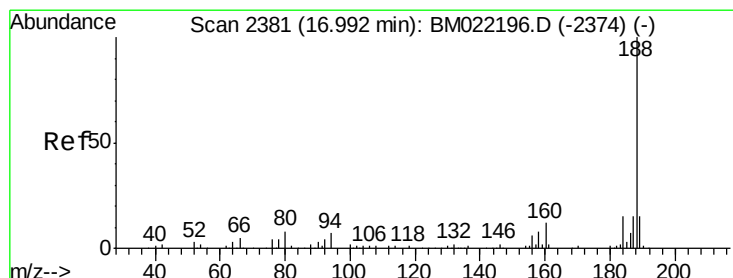
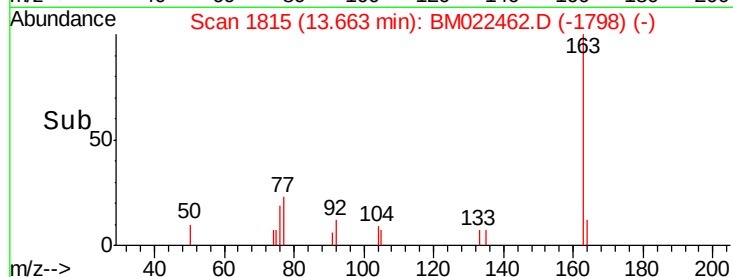
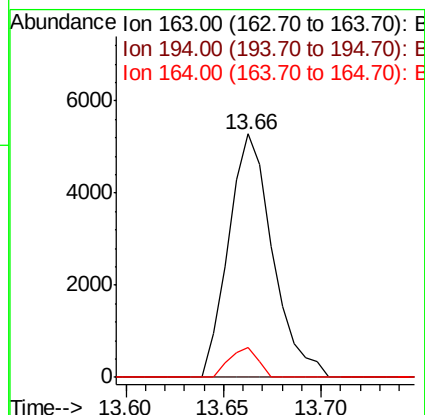
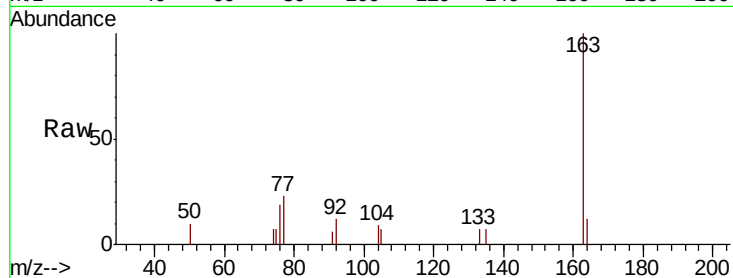




#50
Dimethylphthalate
Concen: 2.050 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

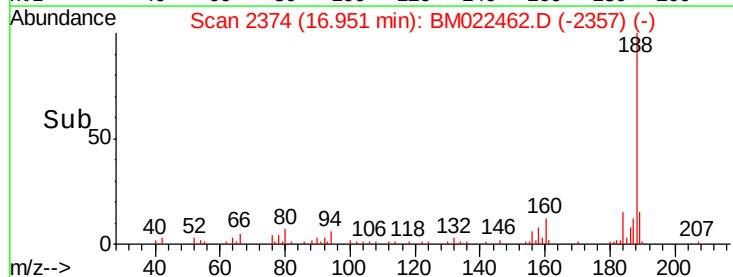
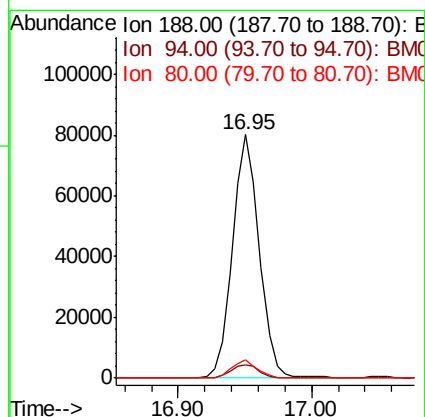
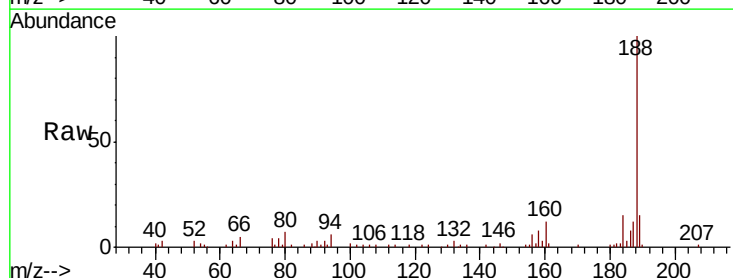
Instrument :
BNA_M
ClientSampleId :

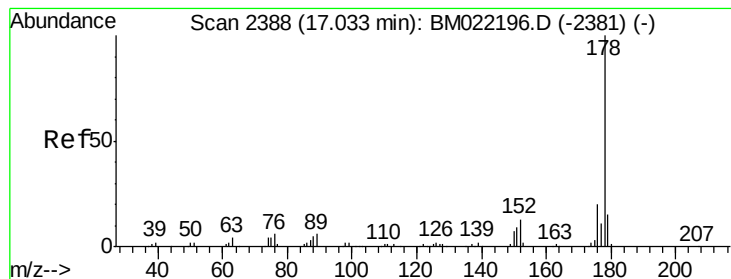
Tot Ion:163 Resp: 8273
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.2#
164 12.3 8.2 12.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

Tgt Ion:188 Resp: 111802
Ion Ratio Lower Upper
188 100
94 5.7 4.4 6.6
80 7.3 5.0 7.6





#71

Phenanthrene

Concen: 3.152 ng

RT: 16.99 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Instrument :

BNA_M

ClientSampleId :

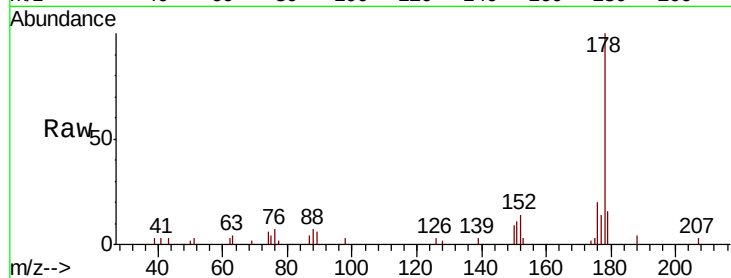
Tot Ion:178 Resp: 20543

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

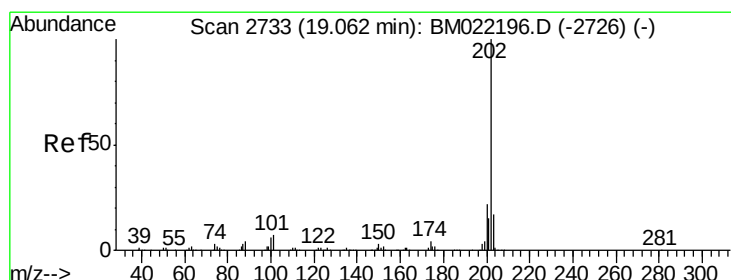
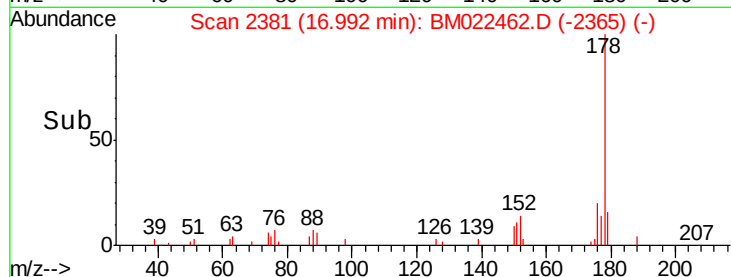
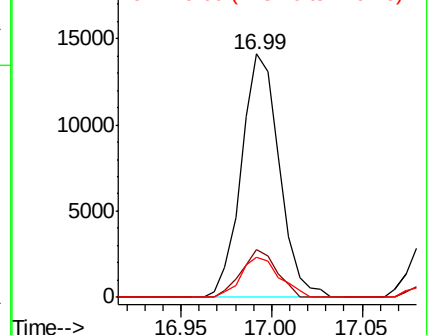
179 16.5 12.3 18.5



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: 6.099 ng

RT: 19.03 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

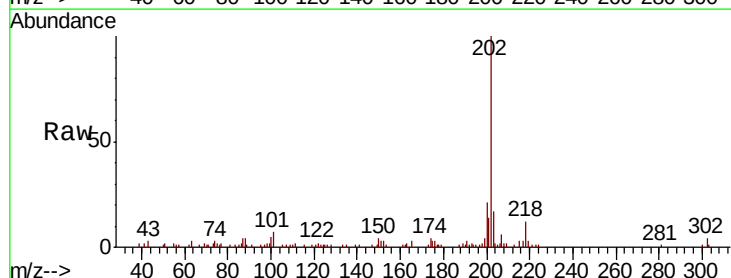
Tgt Ion:202 Resp: 52931

Ion Ratio Lower Upper

202 100

101 6.6 0.0 25.1

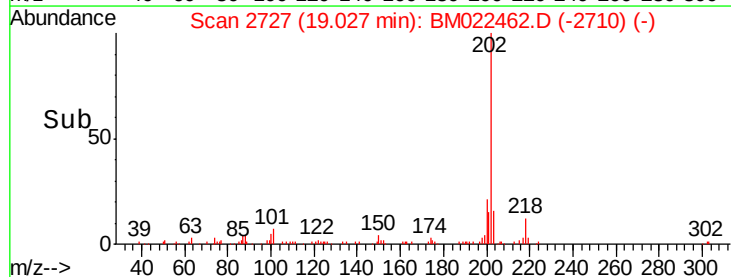
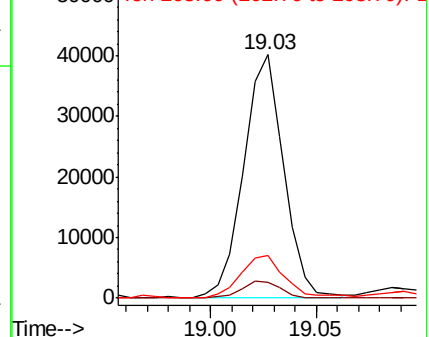
203 17.3 0.0 37.1

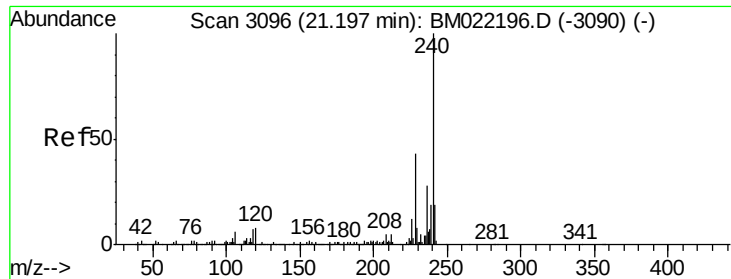


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

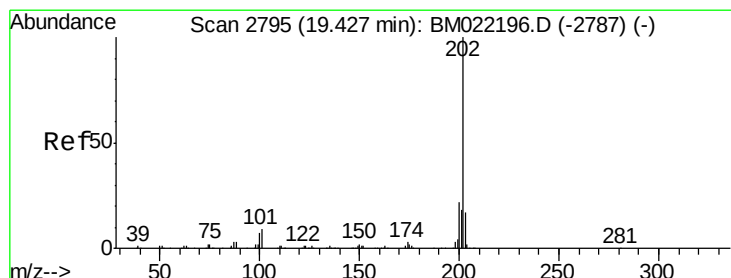
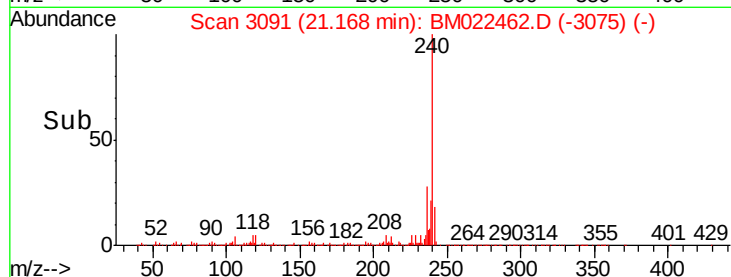
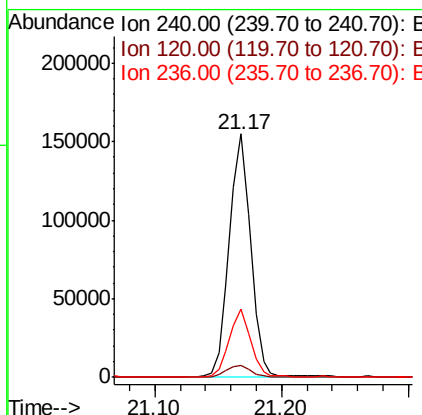
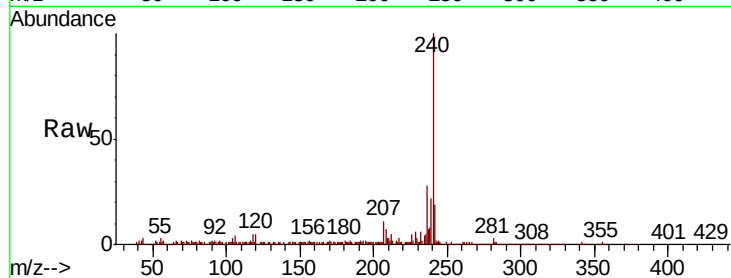




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

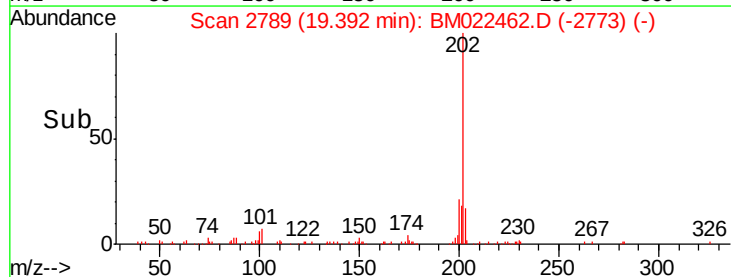
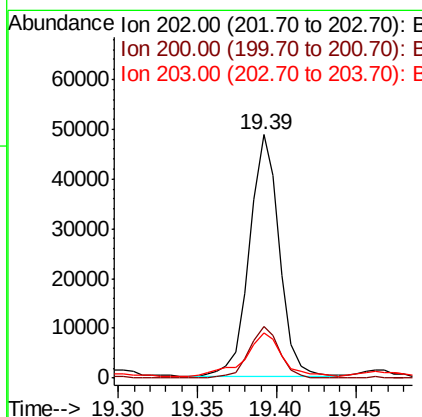
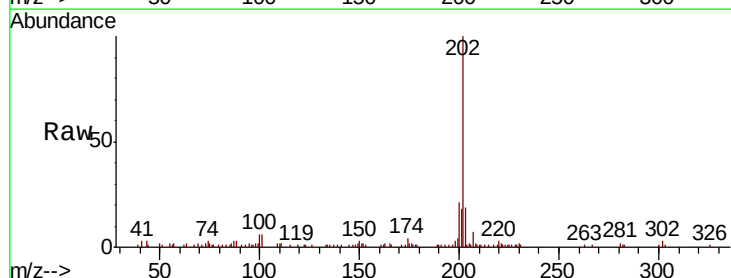
Instrument :
BNA_M
ClientSampleId :

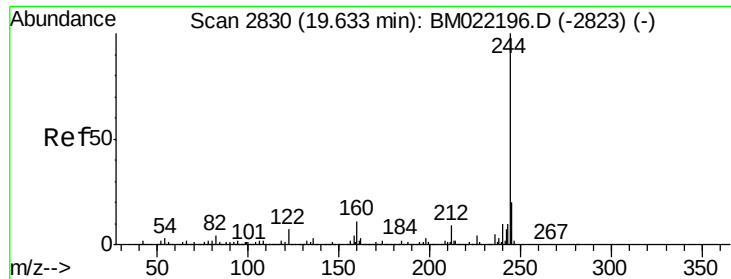
Tot Ion:240 Resp: 183308
Ion Ratio Lower Upper
240 100
120 5.1 3.9 5.9
236 28.0 21.4 32.2



#78
Pyrene
Concen: 5.102 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

Tgt Ion:202 Resp: 63742
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 18.6 13.8 20.8

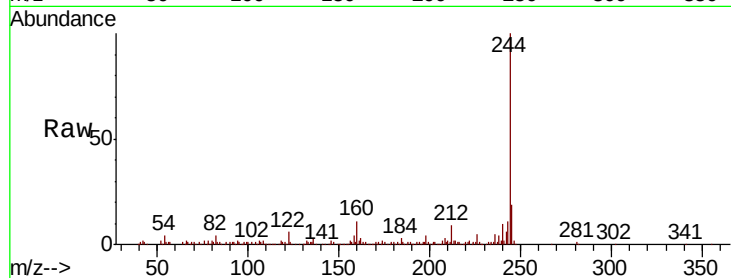




#79
 Terphenyl-d14
 Concen: 13.211 ng
 RT: 19.60 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.4
122	5.6	3.9	5.9

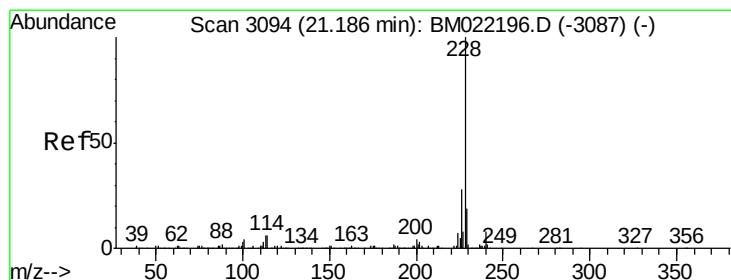
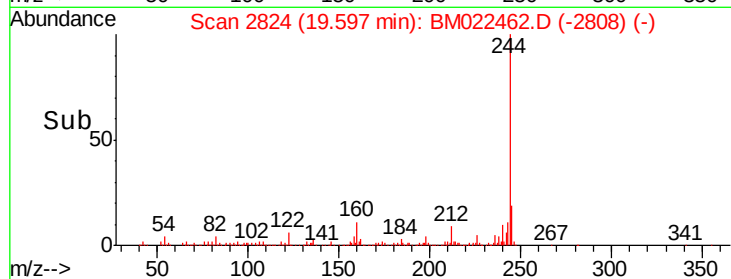
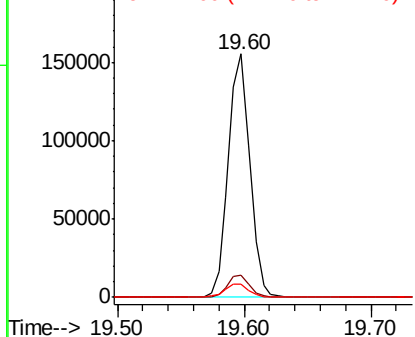


Abundance

Ion 244.00 (243.70 to 244.70): E

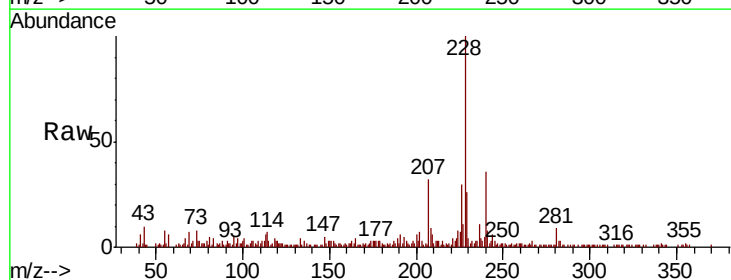
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 4.341 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	34.0
229	25.6	15.9	23.9

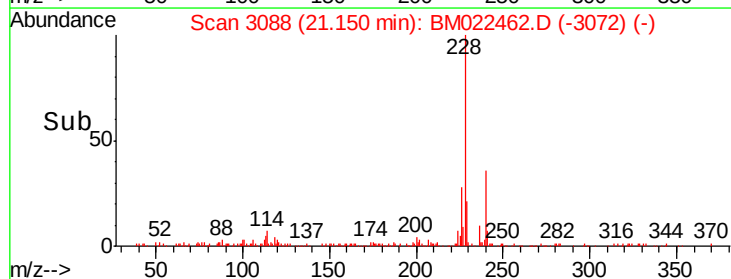
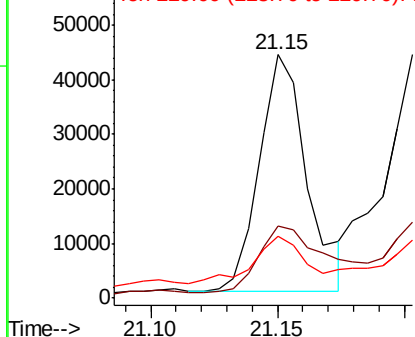


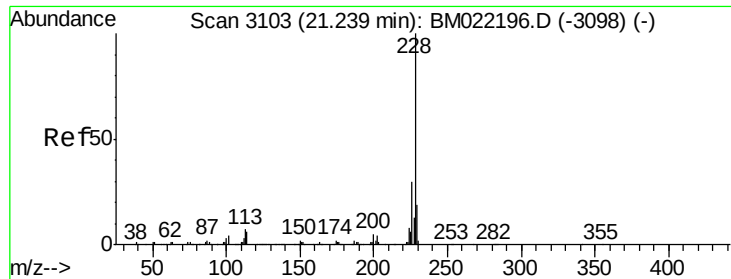
Abundance

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

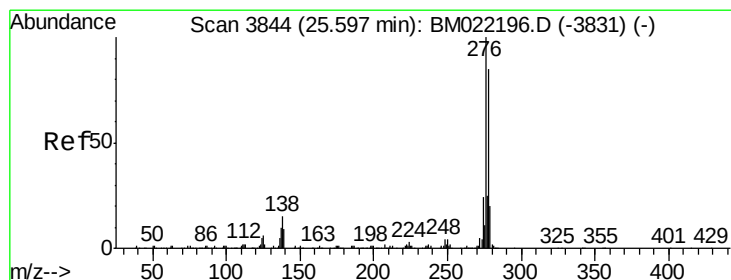
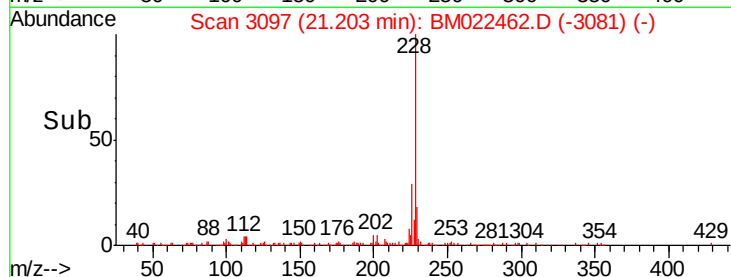
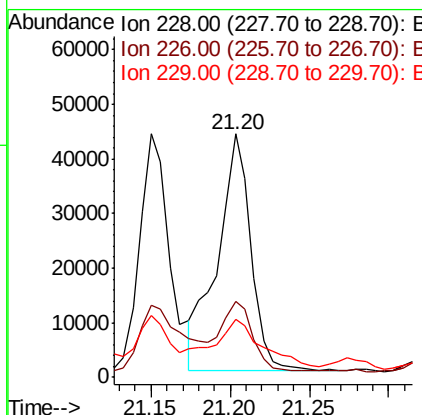
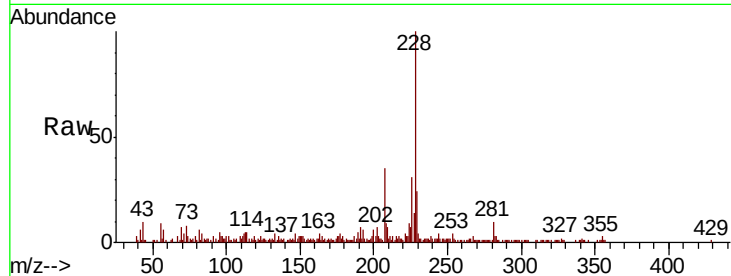




#83
 Chrysene
 Concen: 5.056 ng
 RT: 21.20 min Scan# 3097
 Delta R.T. -0.01 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

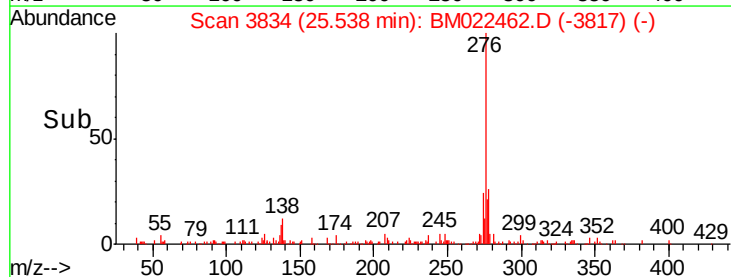
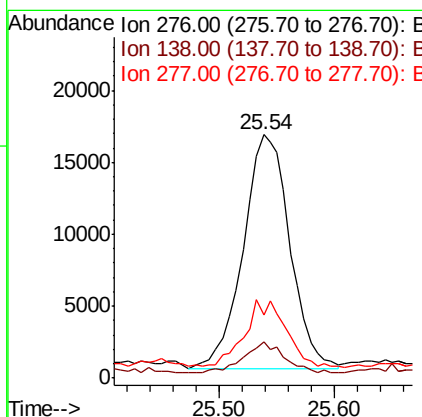
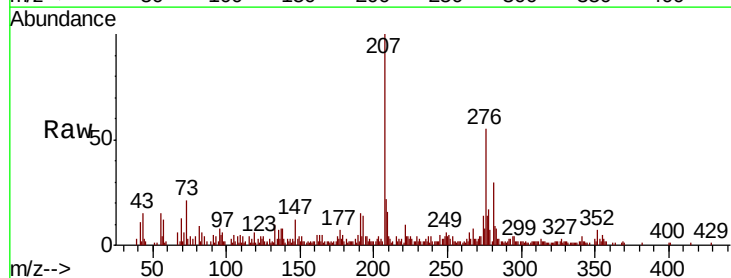
Instrument :
 BNA_M
 ClientSampleId :

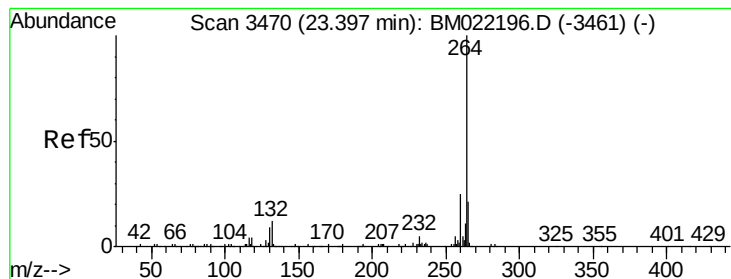
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	24.0	15.7	23.5



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.607 ng
 RT: 25.54 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: BM022462.D
 Acq: 31 Aug 2019 04:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	9.1	13.7
277	25.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Instrument :

BNA_M

ClientSampleId :

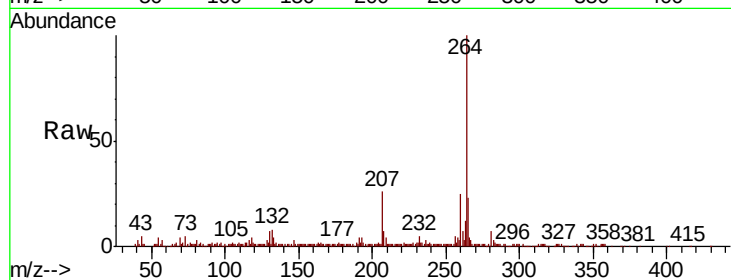
Tot Ion:264 Resp: 224360

Ion Ratio Lower Upper

264 100

260 24.6 20.2 30.2

265 23.0 18.2 27.2

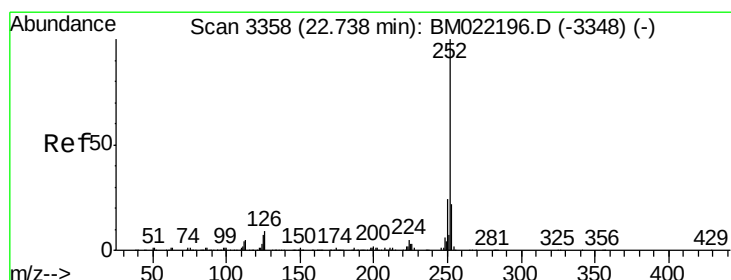
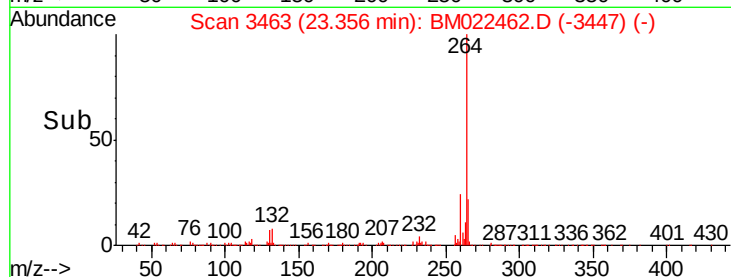
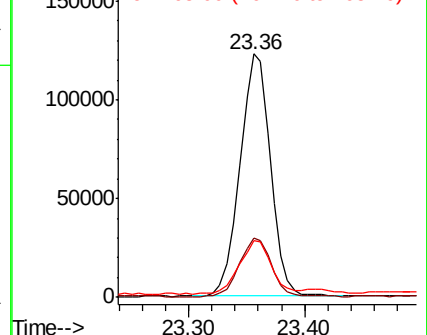


Abundance

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: 7.353 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

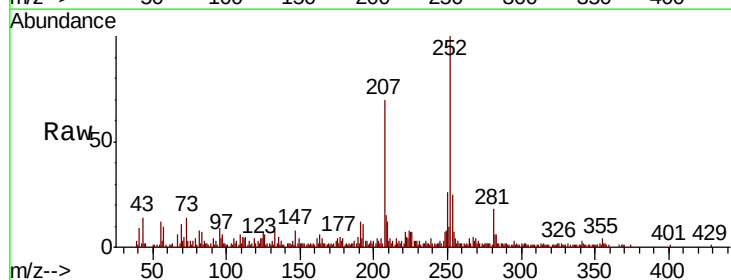
Tgt Ion:252 Resp: 114607

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

125 6.7 3.5 5.3#

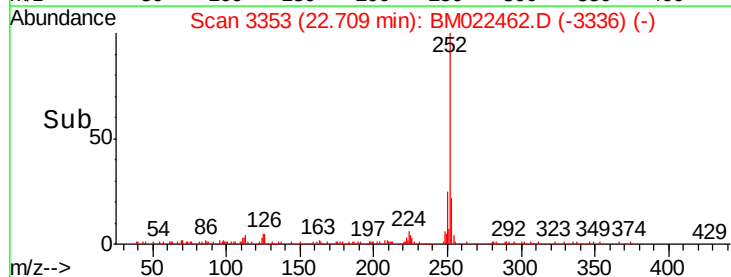
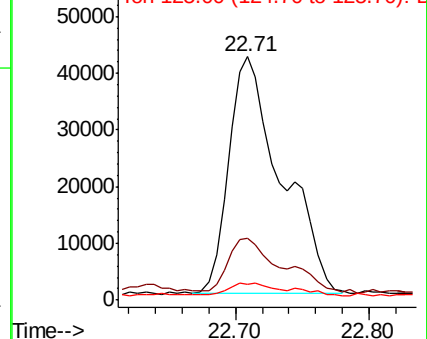


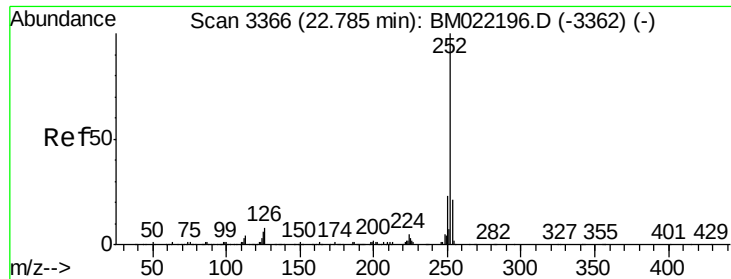
Abundance

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

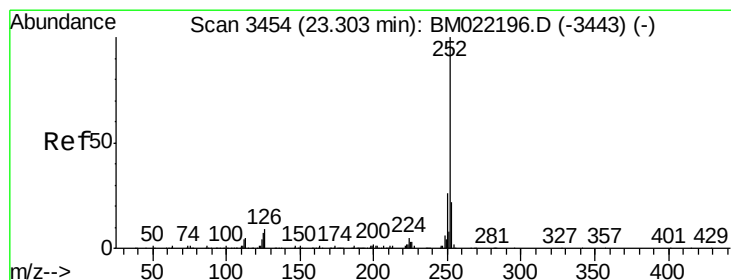
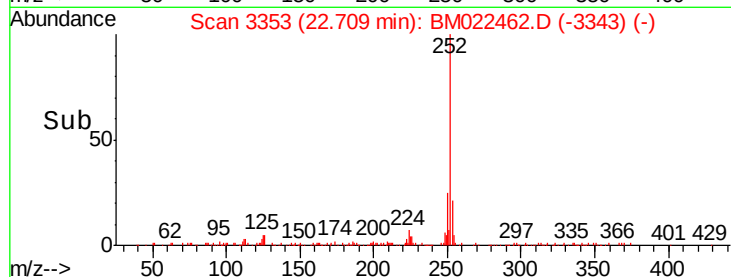
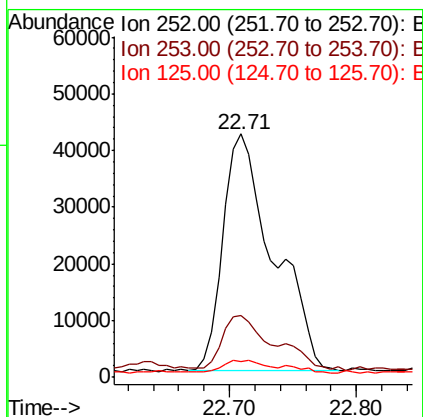
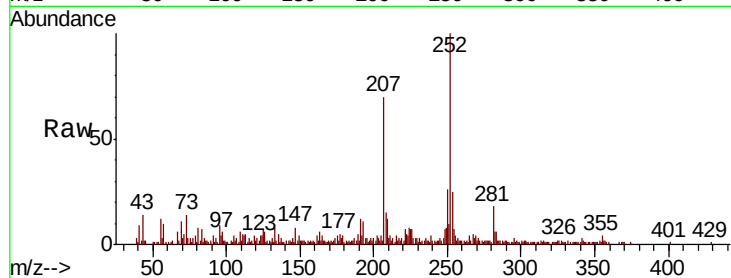




#89
Benzo(k)fluoranthene
Concen: 7.451 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.04 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

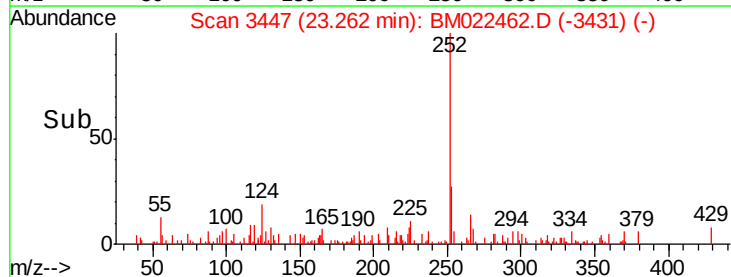
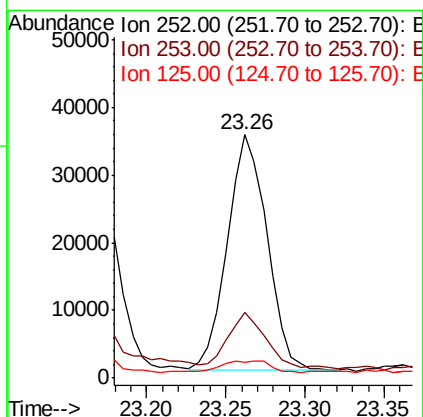
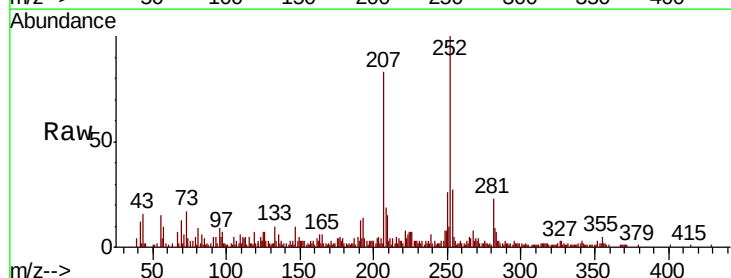
Instrument :
BNA_M
ClientSampleId :

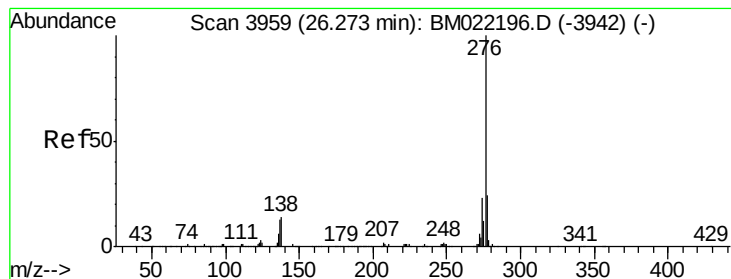
Tot Ion:252 Resp: 115202
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.4#
125 6.7 3.7 5.5#



#90
Benzo(a)pyrene
Concen: 4.325 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022462.D
Acq: 31 Aug 2019 04:03

Tgt Ion:252 Resp: 59831
Ion Ratio Lower Upper
252 100
253 26.8 18.2 27.2
125 6.6 3.8 5.8#





#92

Benzo(a,h,i)perylene

Concen: 4.210 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM022462.D

Acq: 31 Aug 2019 04:03

Instrument :

BNA_M

ClientSampleId :

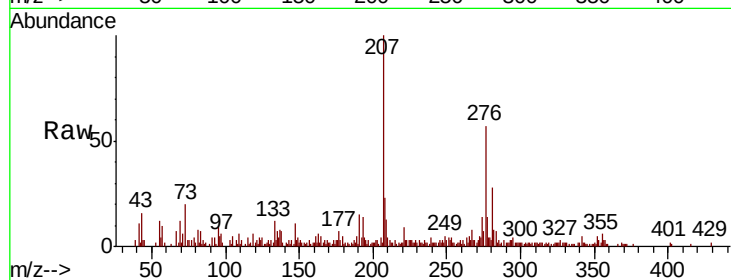
Tot Ion:276 Resp: 50615

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 12.9 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

