

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024674.D
 Acq On : 31 Jan 2020 00:31
 Operator : CG/JU
 Sample : L1287-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 31 02:22:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	184247	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	698225	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	479725	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	1125974	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1223096	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1447682	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	193373	19.96	ng	-0.01
7) Phenol-d6	6.62	99	244229	18.30	ng	-0.02
23) Nitrobenzene-d5	8.56	82	158306	11.12	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	160695	20.59	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	397914	11.28	ng	-0.02
79) Terphenyl-d14	19.49	244	741294	11.31	ng	-0.02

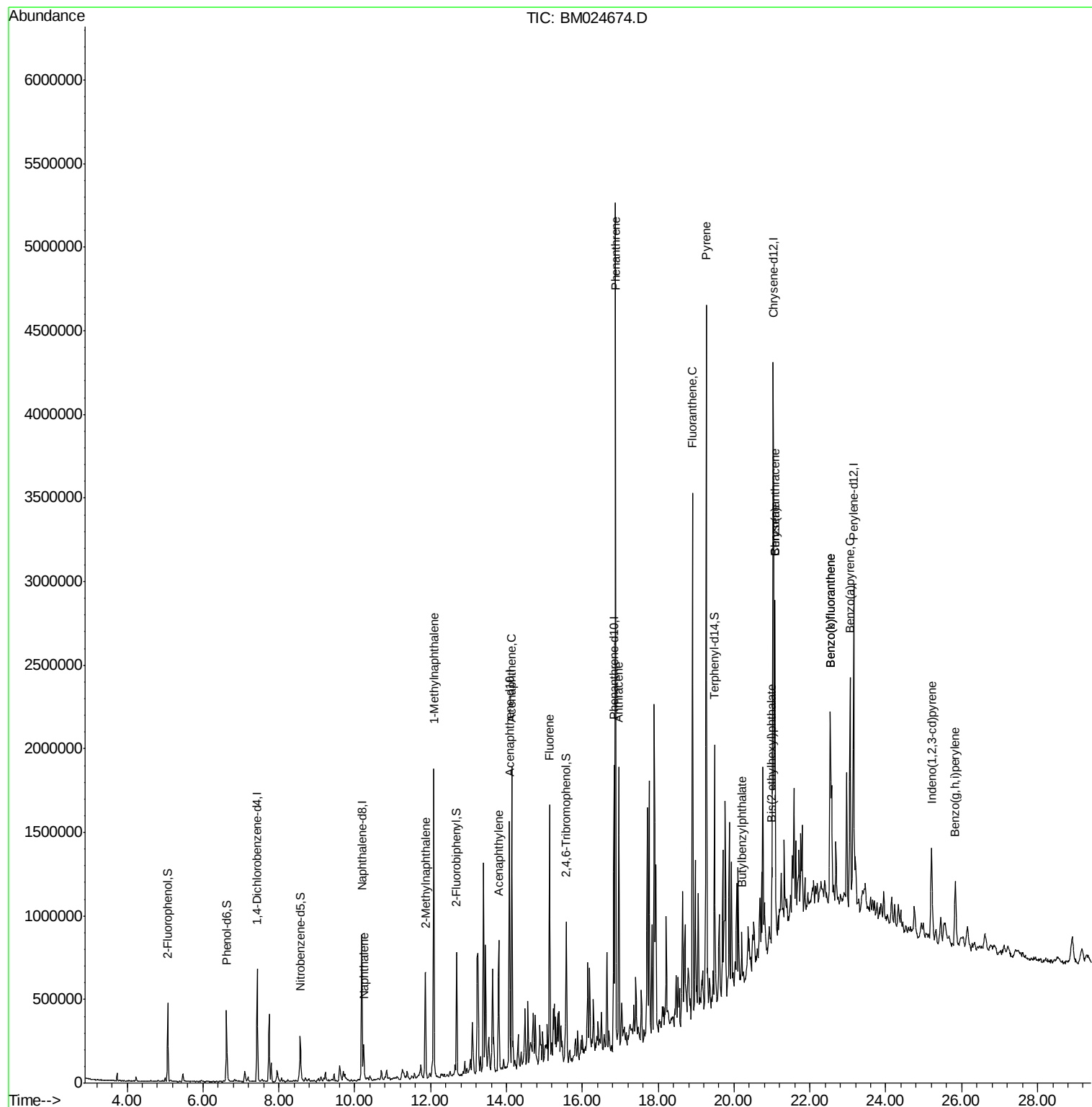
Target Compounds				Qvalue		
31) Naphthalene	10.23	128	173208	4.912	ng	98
37) 2-Methylnaphthalene	11.86	142	297381	10.927	ng	97
38) 1-Methylnaphthalene	12.09	142	867278	33.501	ng	99
49) Acenaphthylene	13.79	152	453376	10.333	ng	# 97
52) Acenaphthene	14.15	154	643105	23.621	ng	98
58) Fluorene	15.13	166	677971	18.169	ng	99
71) Phenanthrene	16.87	178	3115760	51.100	ng	99
72) Anthracene	16.96	178	1038768	17.411	ng	99
75) Fluoranthene	18.90	202	1920137	25.231	ng	97
78) Pyrene	19.26	202	2704123	33.537	ng	99
80) Butylbenzylphthalate	20.20	149	101429	2.998	ng	93
81) Benzo(a)anthracene	21.07	228	1114513	13.129	ng	94
83) Chrysene	21.07	228	1179264	14.558	ng	97
84) Bis(2-ethylhexyl)phthalate	21.00	149	175352	3.513	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.21	276	483151	5.472	ng	96
88) Benzo(b)fluoranthene	22.53	252	1397160	14.880	ng	98
89) Benzo(k)fluoranthene	22.53	252	1392155	15.190	ng	96
90) Benzo(a)pyrene	23.06	252	976520	11.439	ng	98
92) Benzo(a,h,i)perylene	25.83	276	470166	6.391	ng	97

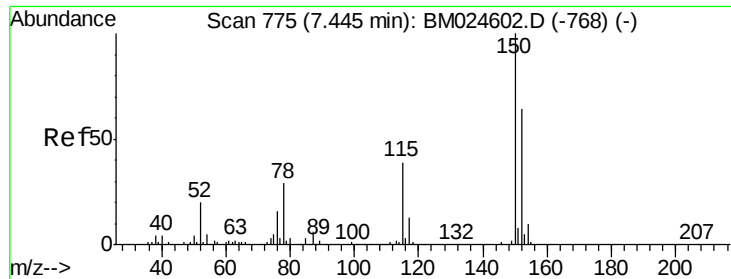
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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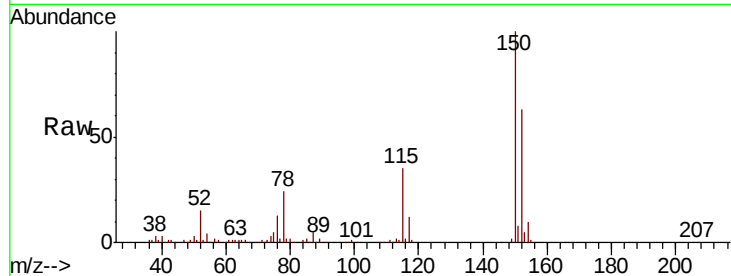


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.2	186.4
115	56.6	48.6	72.8

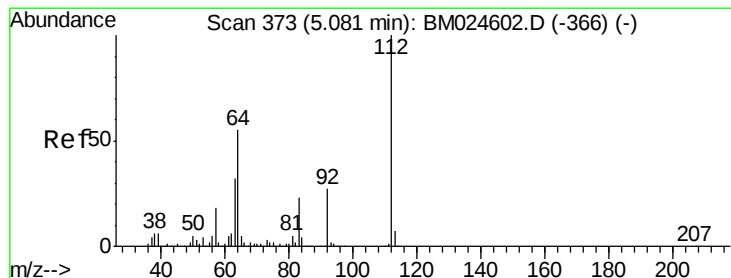
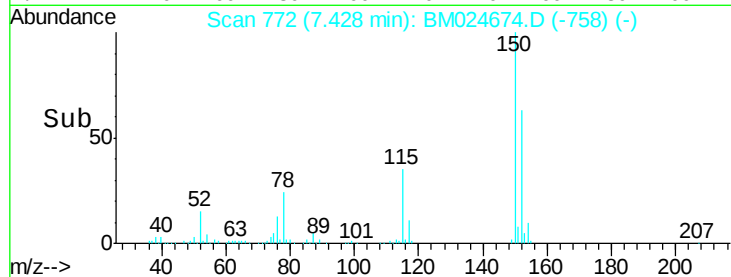
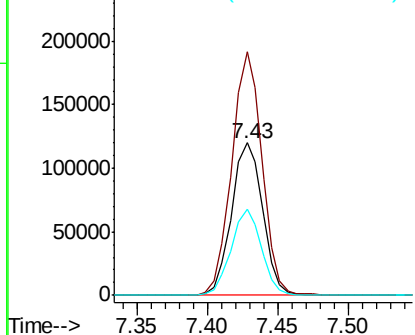


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

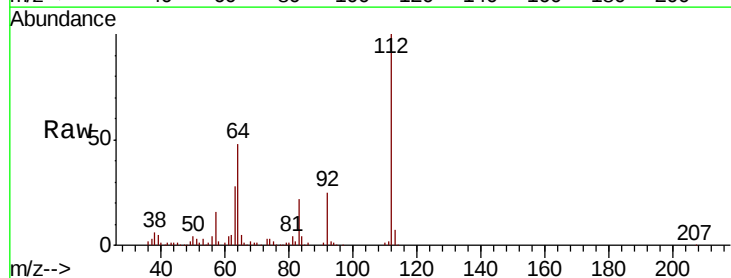
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.960 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.4	44.2	66.4
63	28.4	25.9	38.9

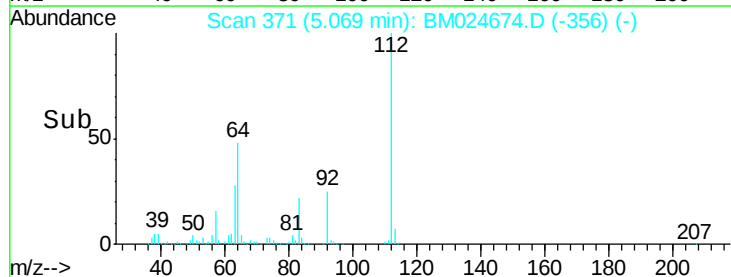
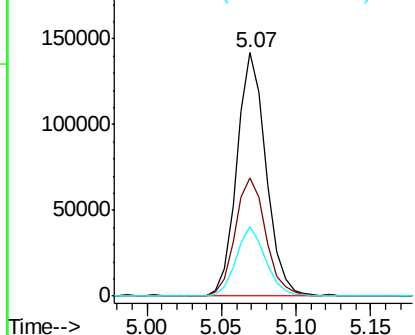


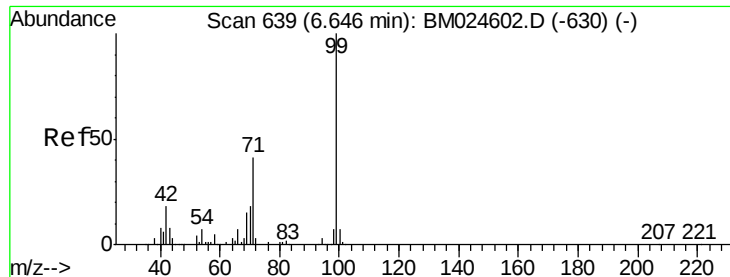
Abundance

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: 18.299 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

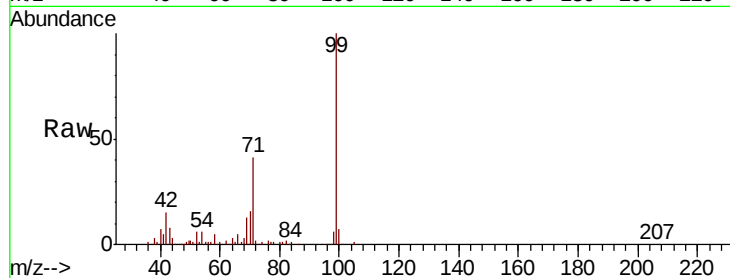
Tot Ion: 99 Resp: 244229

Ion Ratio Lower Upper

99 100

42 14.6 14.1 21.1

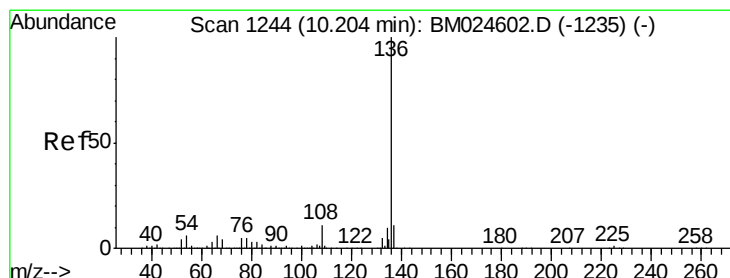
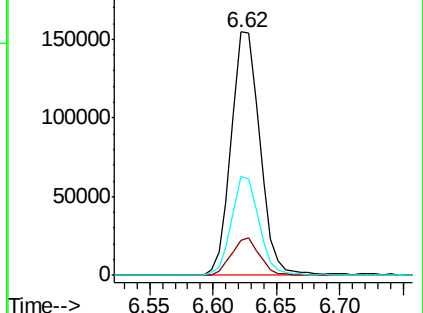
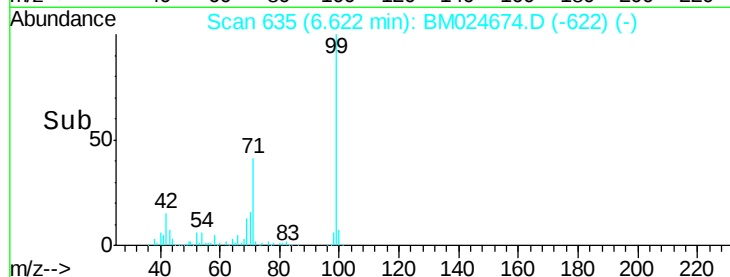
71 40.6 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024674.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024674.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024674.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Tgt Ion: 136 Resp: 698225

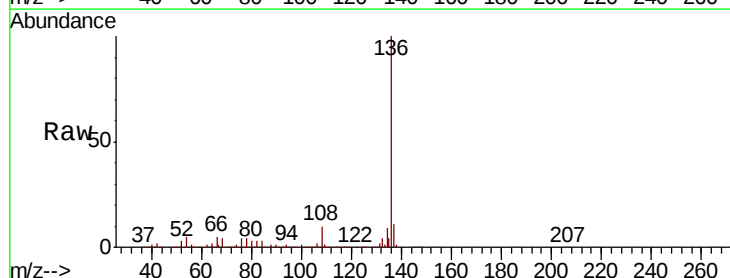
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 4.8 4.5 6.7

68 4.2 3.4 5.0

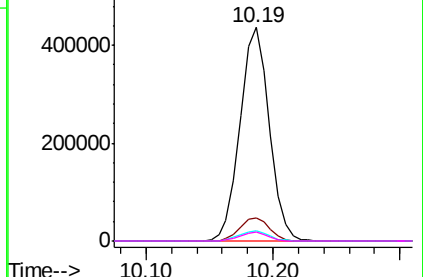
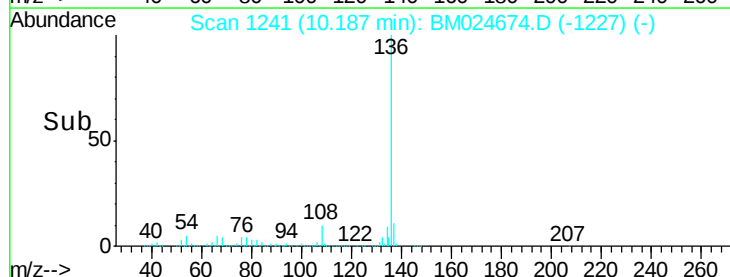


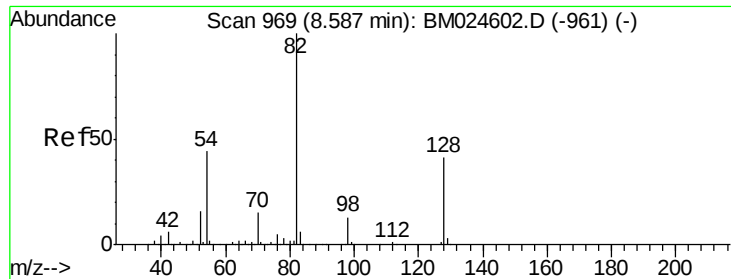
Abundance Ion 136.00 (135.70 to 136.70): BM024674.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024674.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024674.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024674.D (-1227) (-)

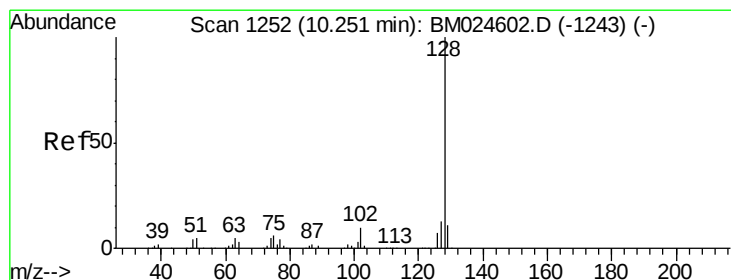
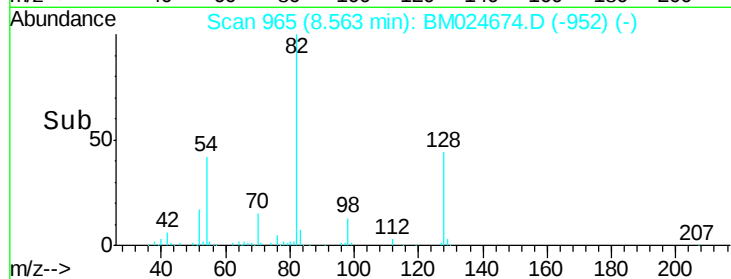
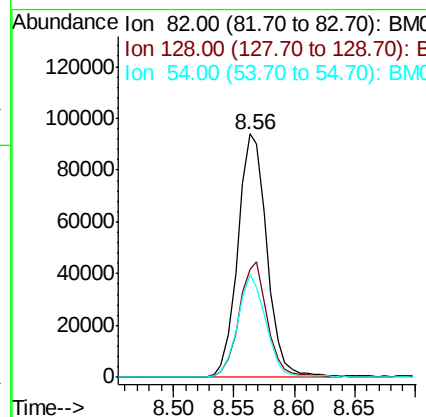
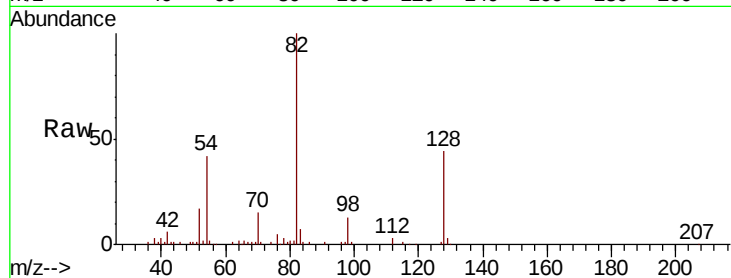




#23
Nitrobenzene-d5
Concen: 11.119 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

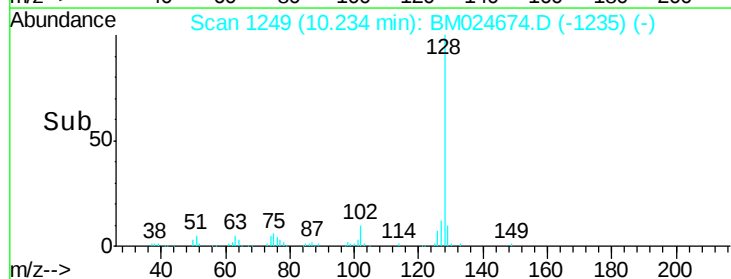
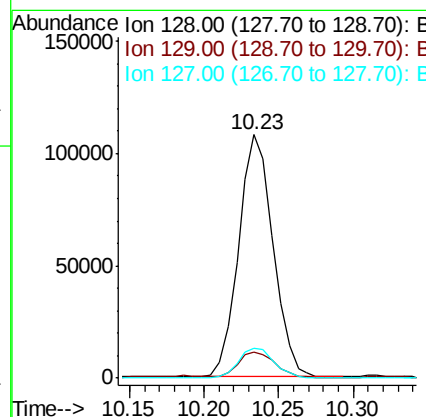
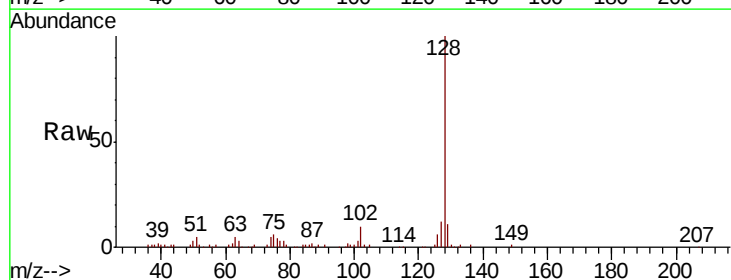
Instrument :
BNA_M
ClientSampleId :

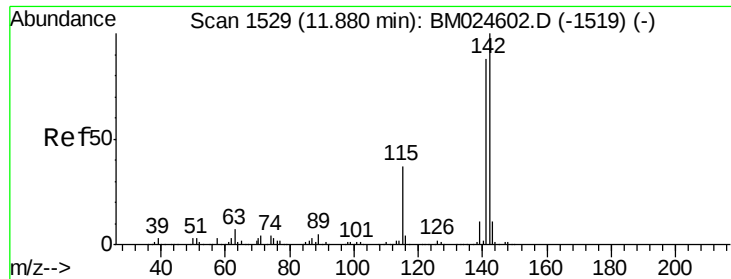
Tot Ion	82	Resp	158306
Ion Ratio	Lower	Upper	
82	100		
128	44.1	32.6	48.8
54	42.2	34.8	52.2



#31
Naphthalene
Concen: 4.912 ng
RT: 10.23 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion	128	Resp	173208
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.8	13.2
127	12.4	10.6	15.8

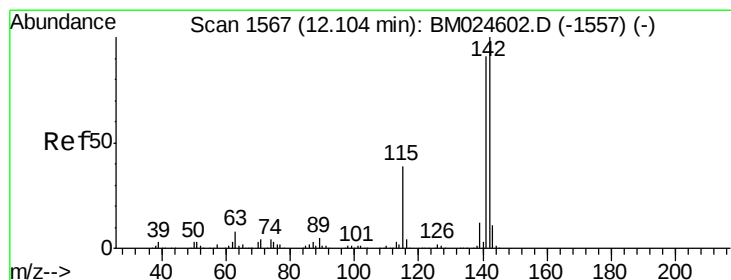
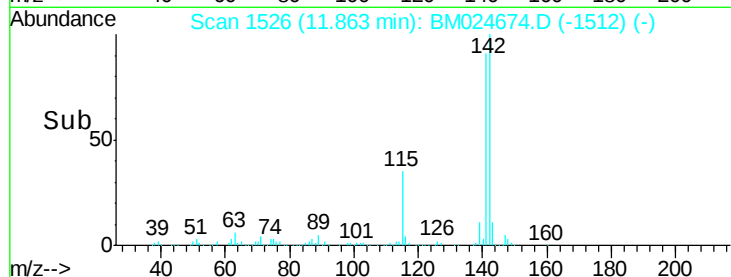
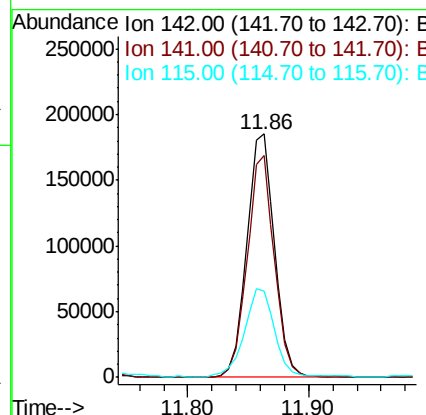
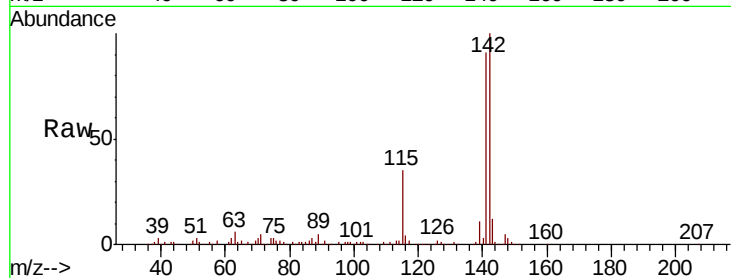




#37
2-Methylnaphthalene
Concen: 10.927 ng
RT: 11.86 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

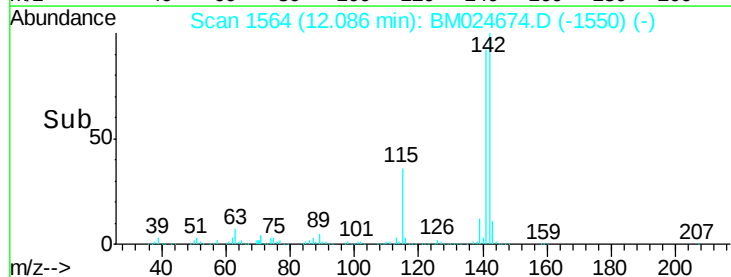
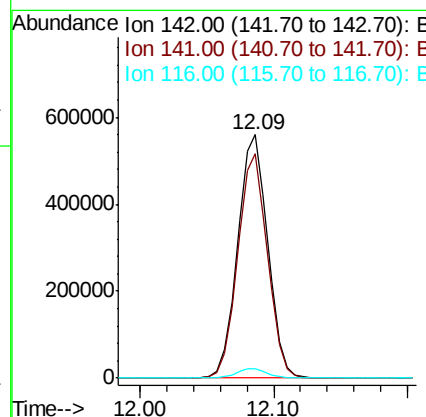
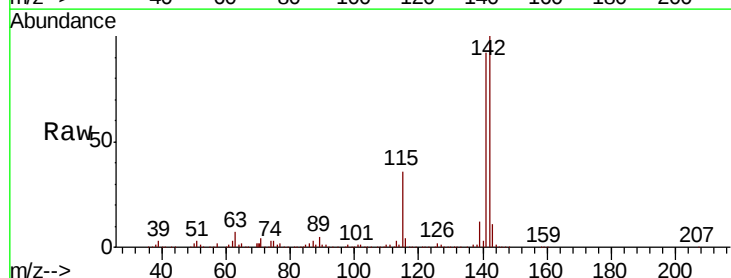
Instrument :
BNA_M
ClientSampled :

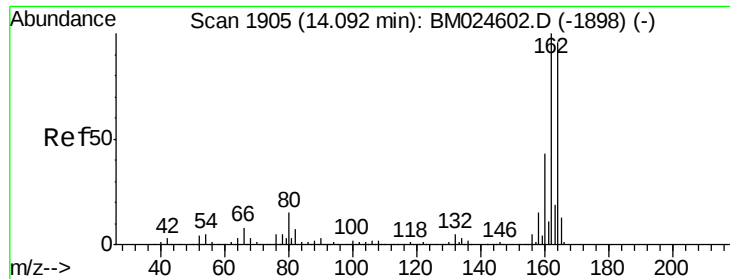
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.2	105.2
115	35.5	29.7	44.5



#38
1-Methylnaphthalene
Concen: 33.501 ng
RT: 12.09 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.8	109.2
116	3.6	3.2	4.8

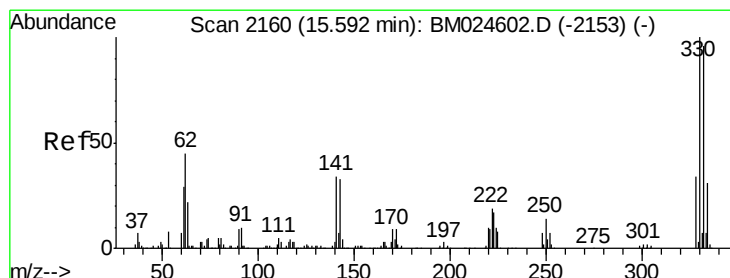
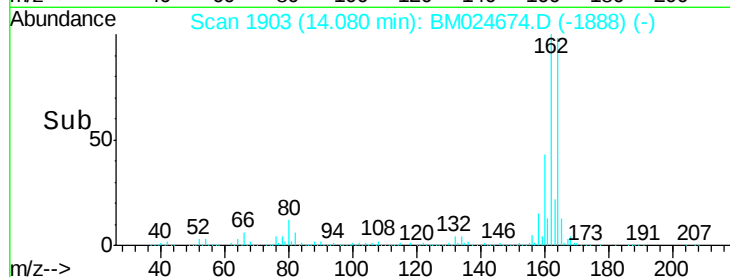
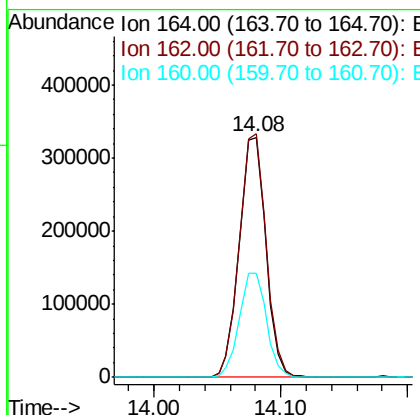
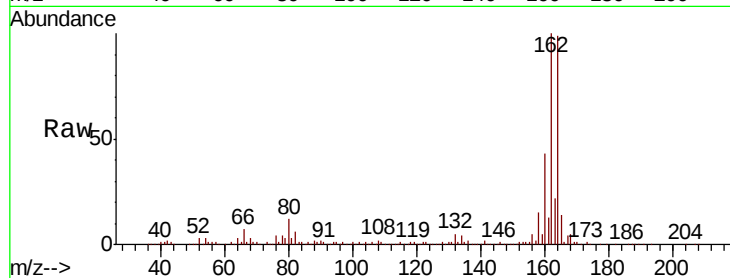




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

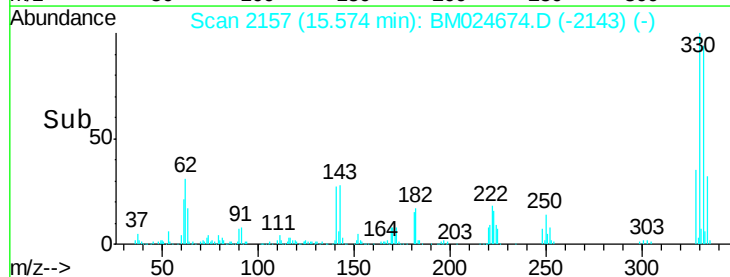
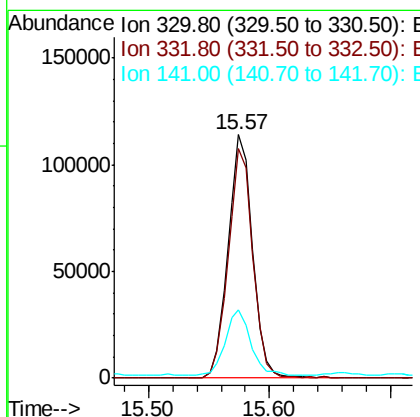
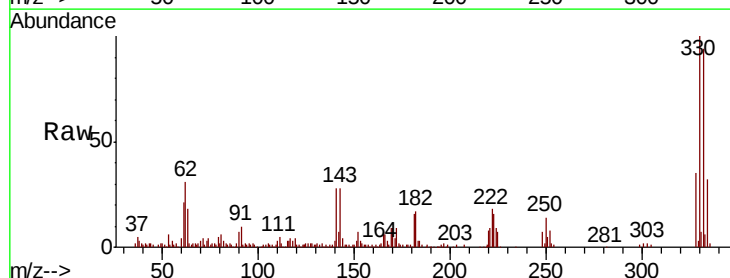
Instrument :
BNA_M
ClientSampleId :

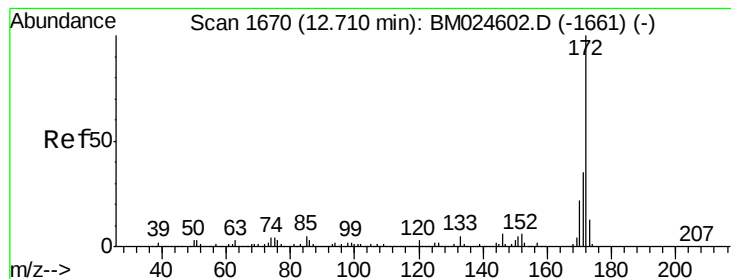
Tot Ion:164 Resp: 479725
Ion Ratio Lower Upper
164 100
162 101.5 82.9 124.3
160 43.3 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 20.593 ng
RT: 15.57 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion:330 Resp: 160695
Ion Ratio Lower Upper
330 100
332 94.1 77.2 115.8
141 28.0 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 11.277 ng

RT: 12.69 min Scan# 1666

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

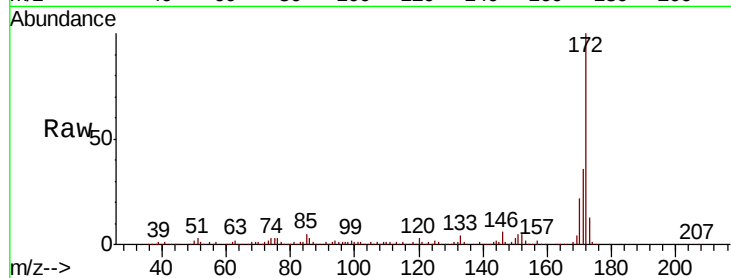
Tot Ion:172 Resp: 397914

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

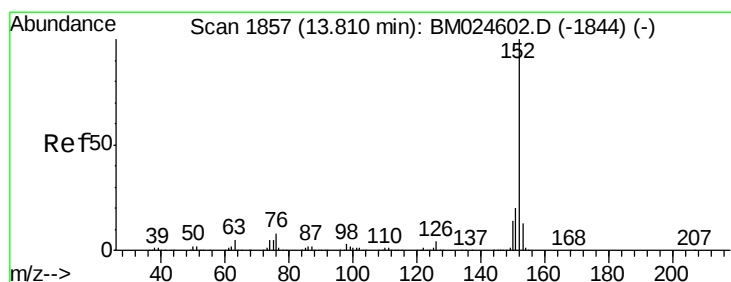
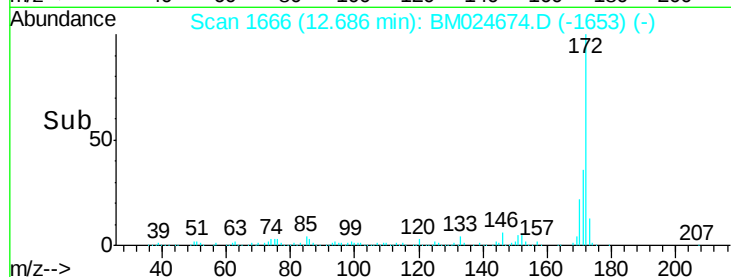
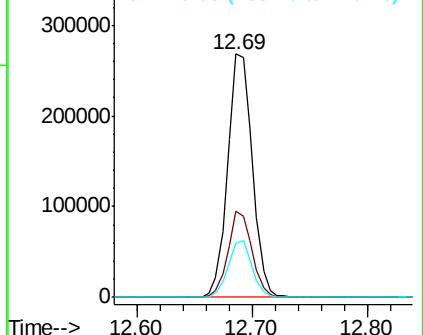
170 22.3 17.9 26.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Acenaphthylene

Concen: 10.333 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

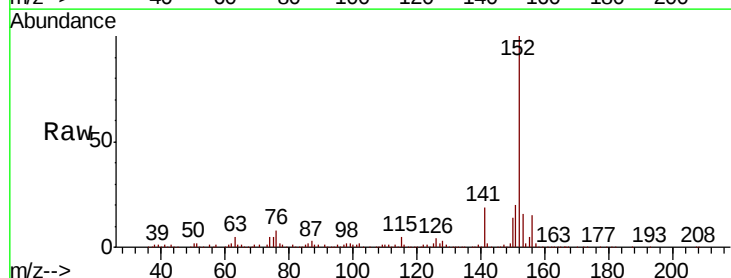
Tgt Ion:152 Resp: 453376

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

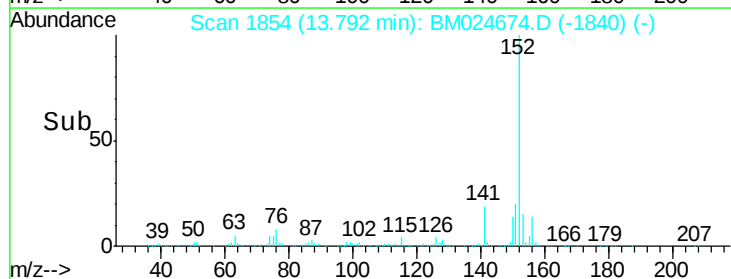
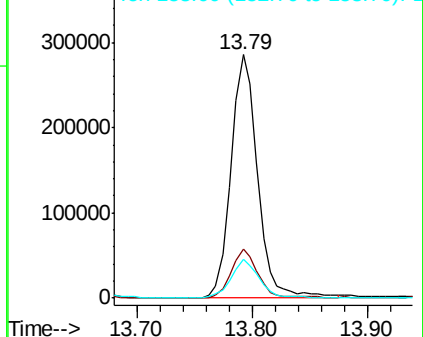
153 15.8 10.4 15.6#

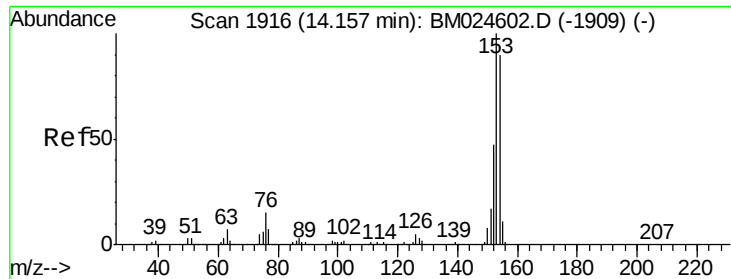


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 23.621 ng

RT: 14.15 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

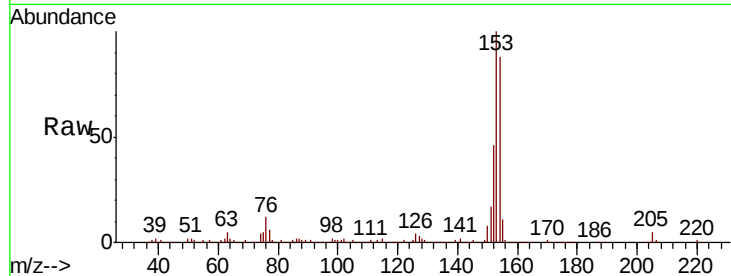
Tot Ion:154 Resp: 643105

Ion Ratio Lower Upper

154 100

153 113.8 89.1 133.7

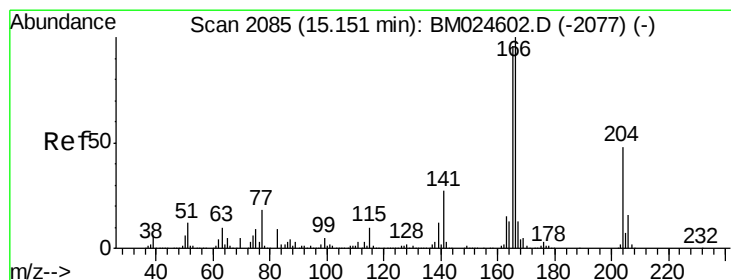
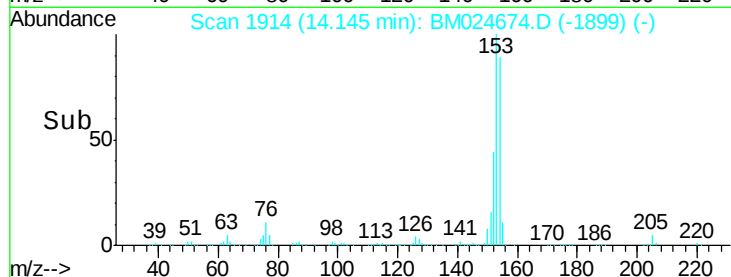
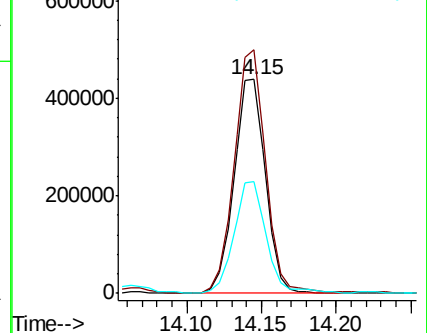
152 52.2 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 18.169 ng

RT: 15.13 min Scan# 2082

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

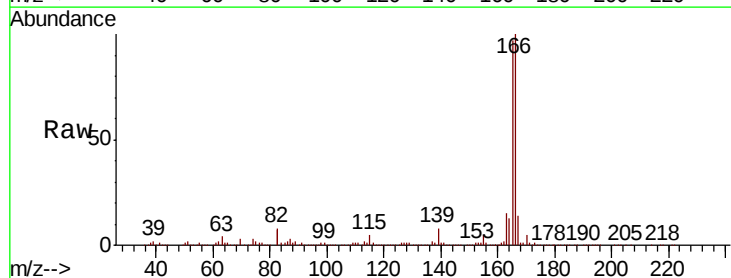
Tgt Ion:166 Resp: 677971

Ion Ratio Lower Upper

166 100

165 97.0 76.6 114.8

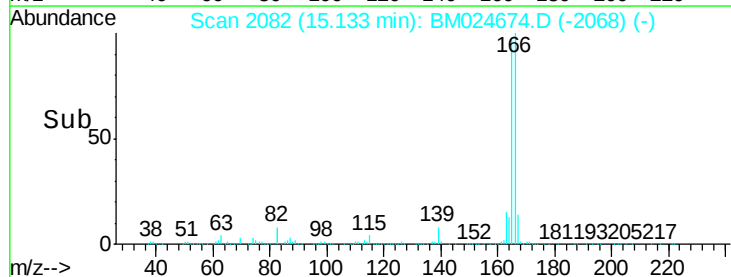
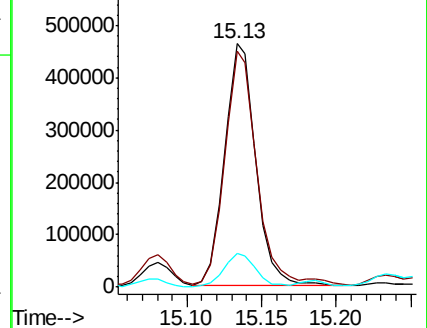
167 14.1 10.8 16.2

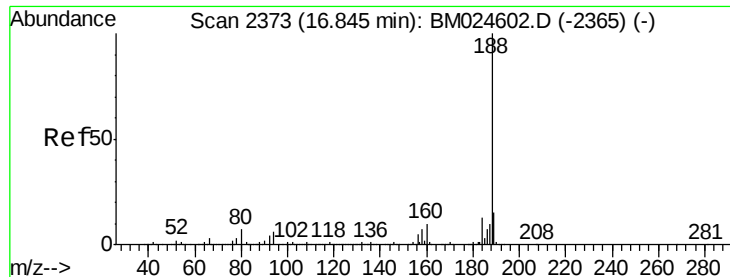


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

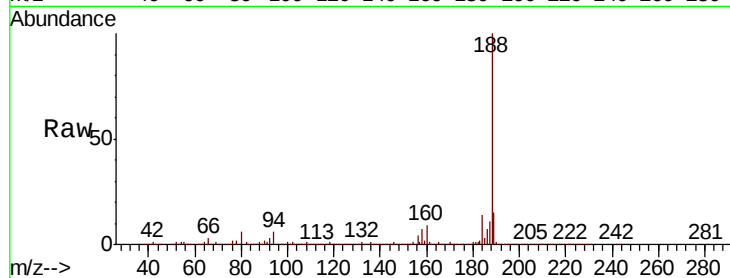
Tot Ion:188 Resp: 1125974

Ion Ratio Lower Upper

188 100

94 5.6 5.0 7.6

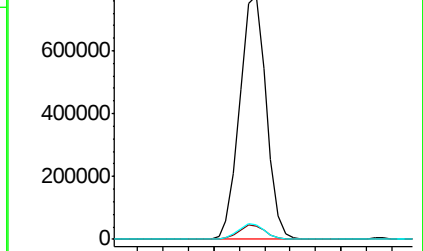
80 6.0 5.8 8.8



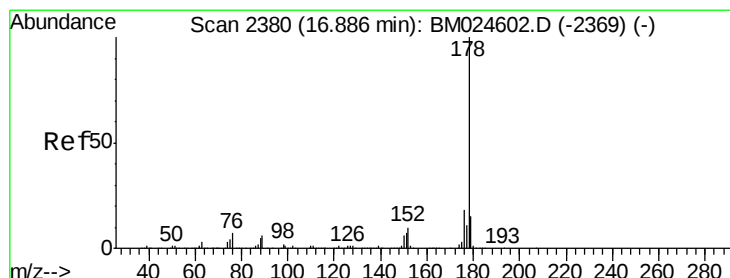
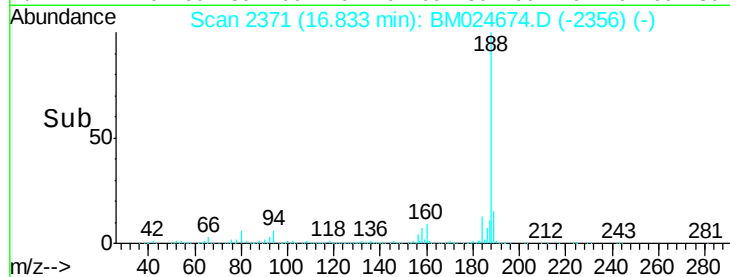
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



Time-->



#71

Phenanthrene

Concen: 51.100 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

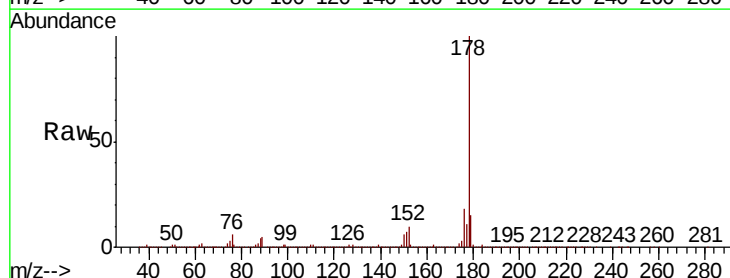
Tgt Ion:178 Resp: 3115760

Ion Ratio Lower Upper

178 100

176 18.4 14.5 21.7

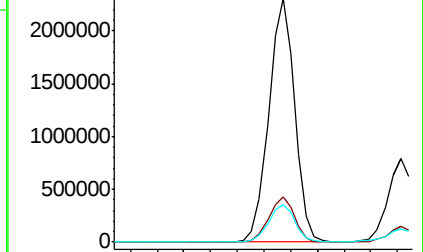
179 15.2 11.9 17.9



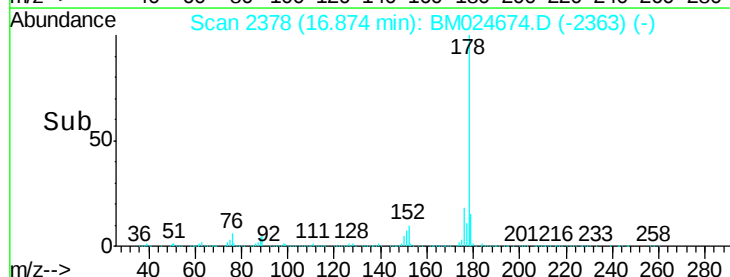
Abundance Ion 178.00 (177.70 to 178.70): E

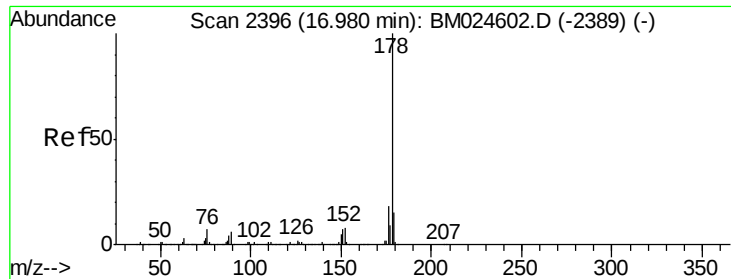
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Anthracene

Concen: 17.411 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

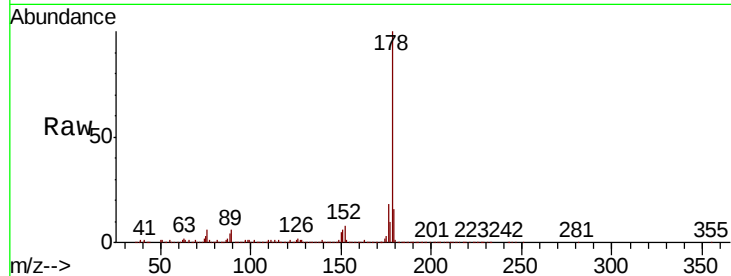
Tot Ion:178 Resp: 1038768

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

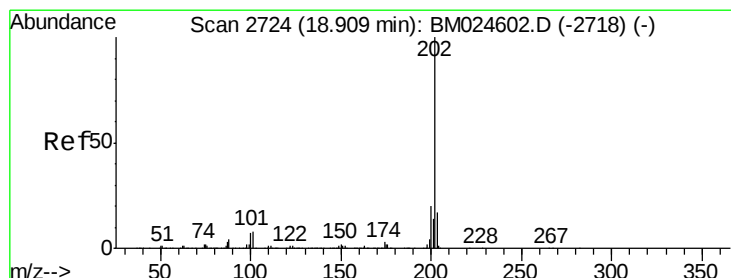
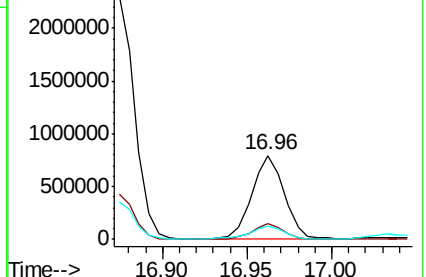
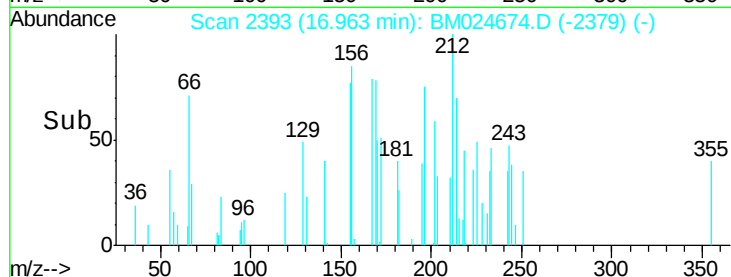
179 15.6 12.1 18.1



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: 25.231 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

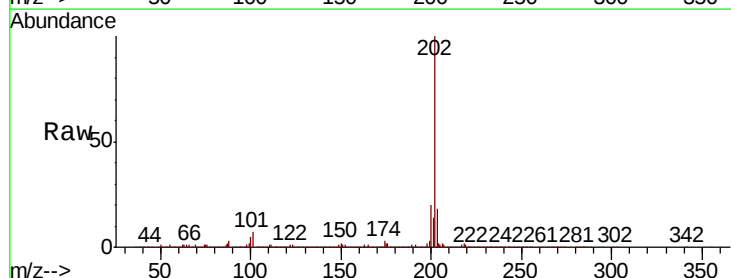
Tgt Ion:202 Resp: 1920137

Ion Ratio Lower Upper

202 100

101 6.6 0.0 28.4

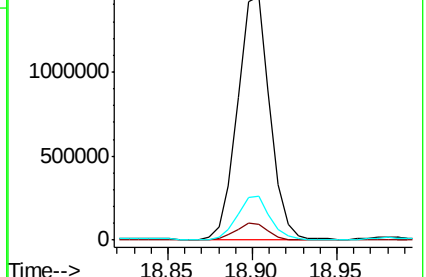
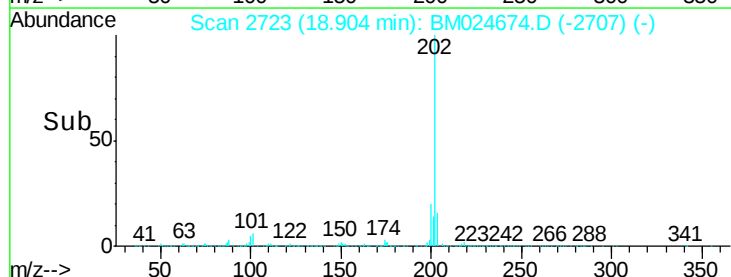
203 18.1 0.0 37.5

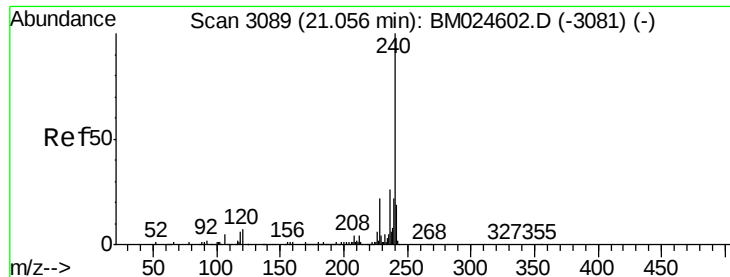


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

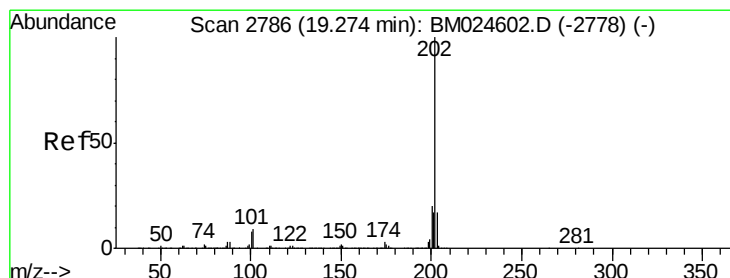
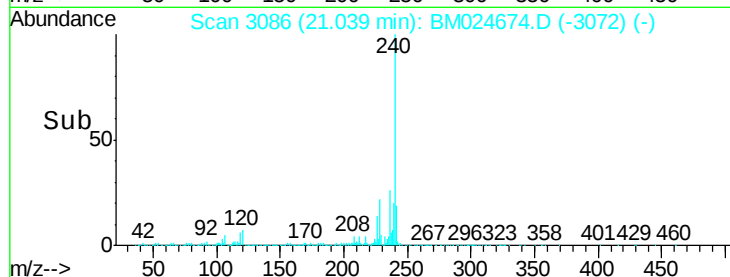
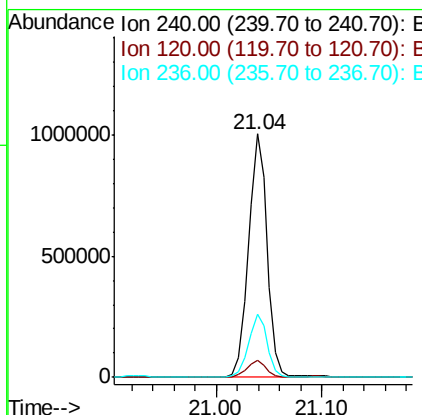
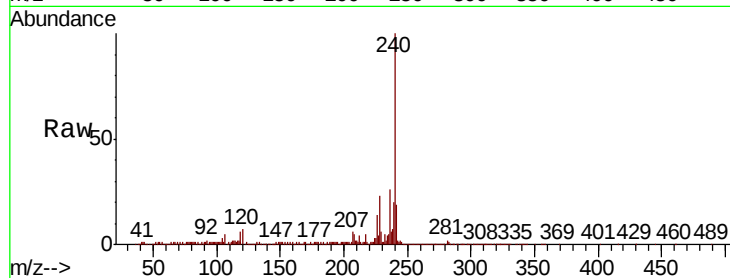




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

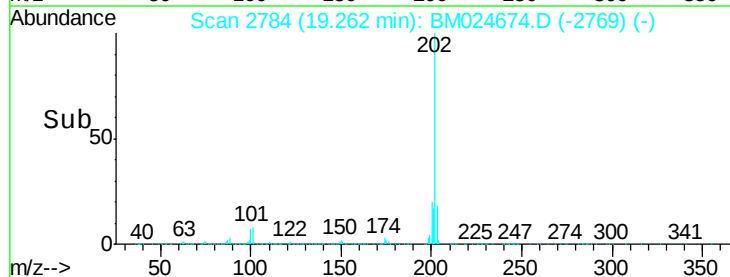
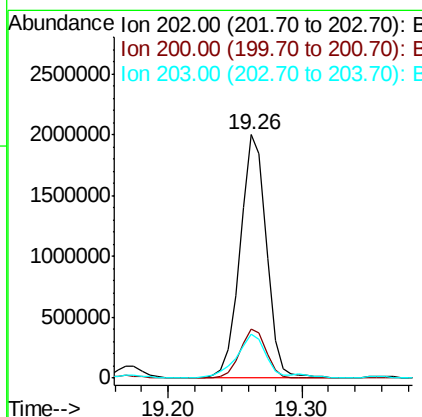
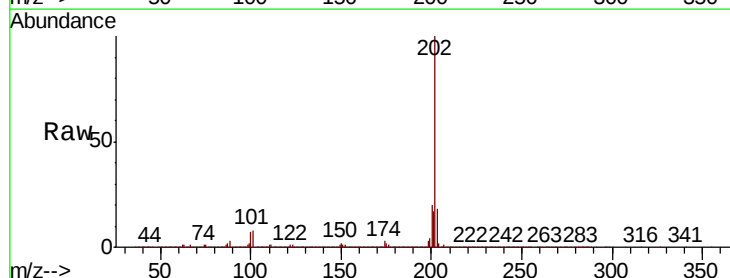
Instrument :
BNA_M
ClientSampleId :

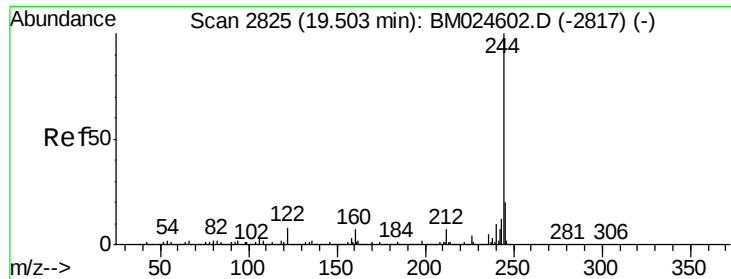
Tot Ion:240 Resp: 1223096
Ion Ratio Lower Upper
240 100
120 7.1 5.3 7.9
236 25.9 20.6 31.0



#78
Pyrene
Concen: 33.537 ng
RT: 19.26 min Scan# 2784
Delta R.T. -0.01 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion:202 Resp: 2704123
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 18.3 14.0 21.0





#79

Terphenyl-d14

Concen: 11.315 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampled :

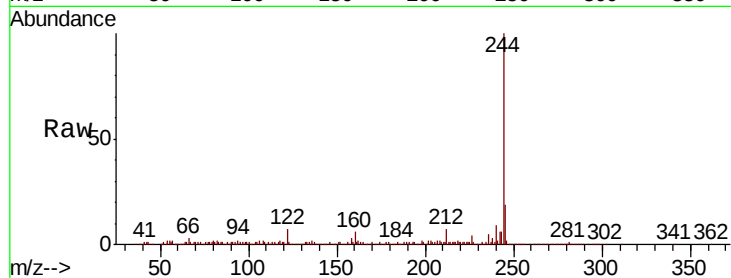
Tot Ion:244 Resp: 741294

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

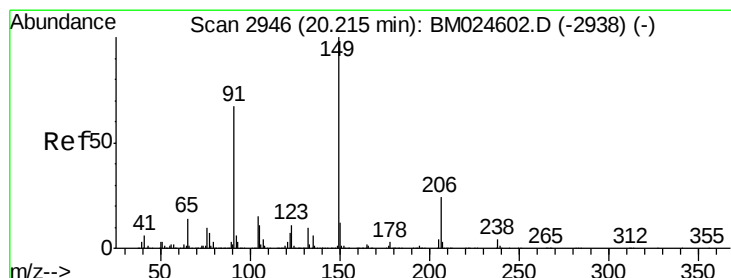
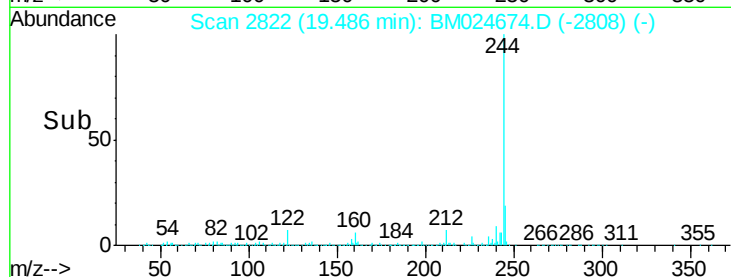
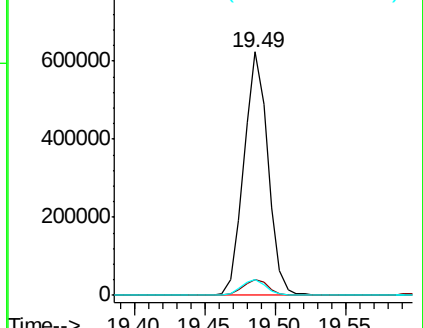
122 6.7 6.2 9.4



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



#80

Butylbenzylphthalate

Concen: 2.998 ng

RT: 20.20 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

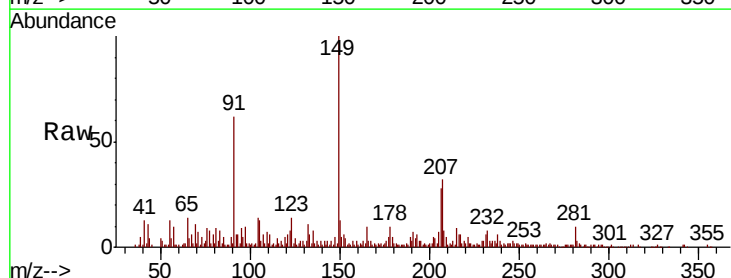
Tgt Ion:149 Resp: 101429

Ion Ratio Lower Upper

149 100

91 61.8 53.9 80.9

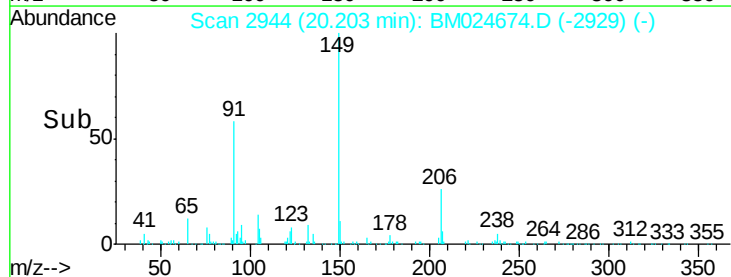
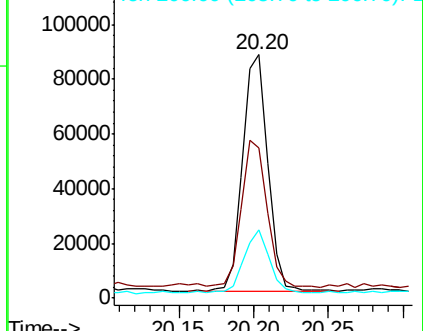
206 28.1 19.0 28.6

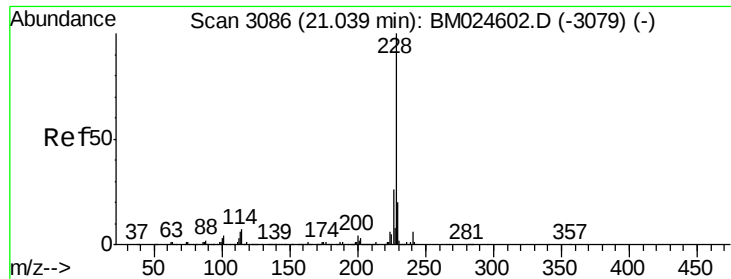


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

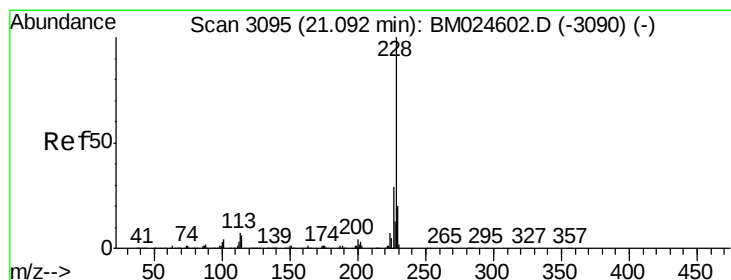
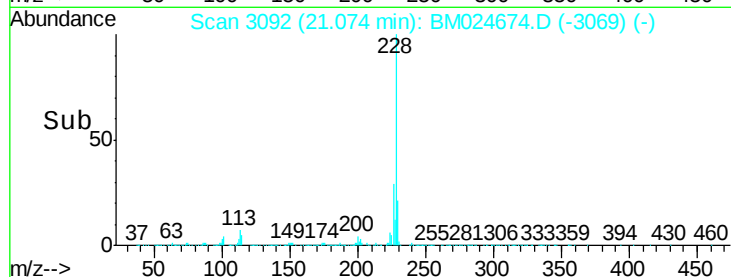
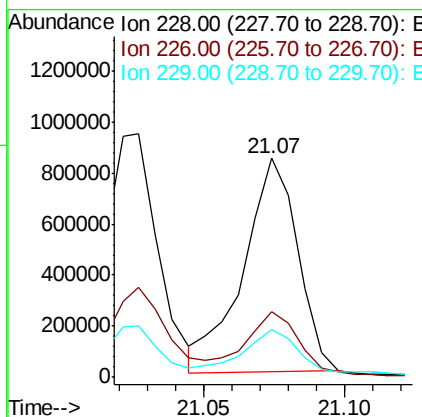
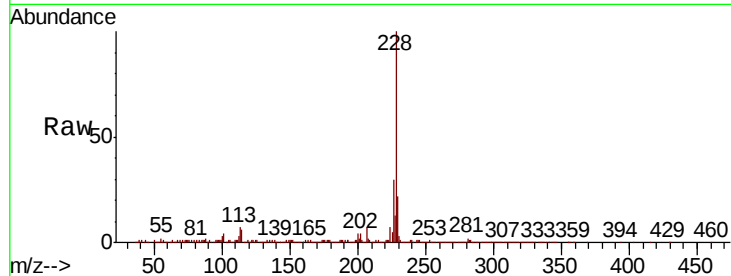




#81
Benzo(a)anthracene
Concen: 13.129 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.04 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

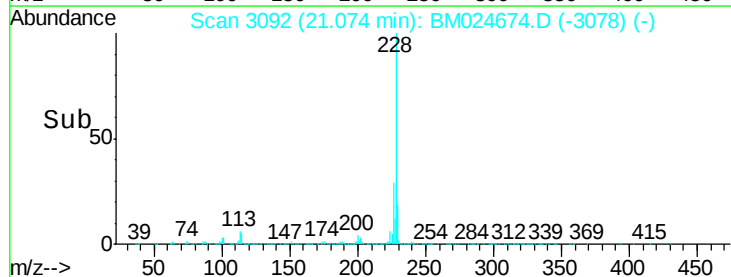
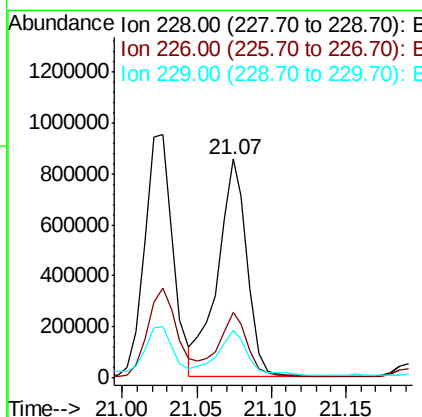
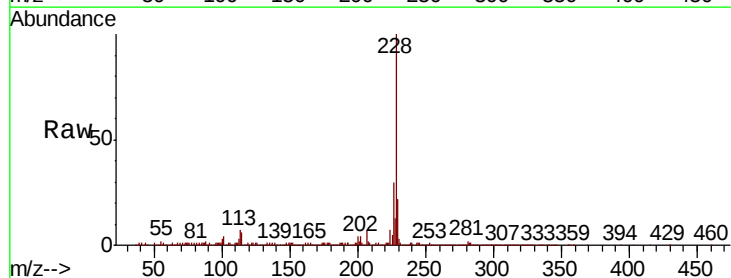
Instrument :
BNA_M
ClientSampleId :

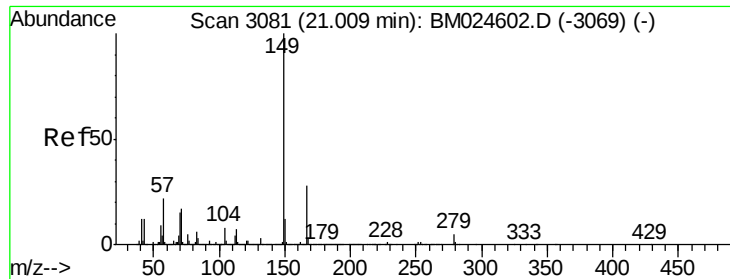
Tot Ion:228 Resp: 1114513
Ion Ratio Lower Upper
228 100
226 29.8 21.1 31.7
229 21.7 15.8 23.6



#83
Chrysene
Concen: 14.558 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion:228 Resp: 1179264
Ion Ratio Lower Upper
228 100
226 29.8 23.2 34.8
229 21.7 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.513 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Instrument :

BNA_M

ClientSampleId :

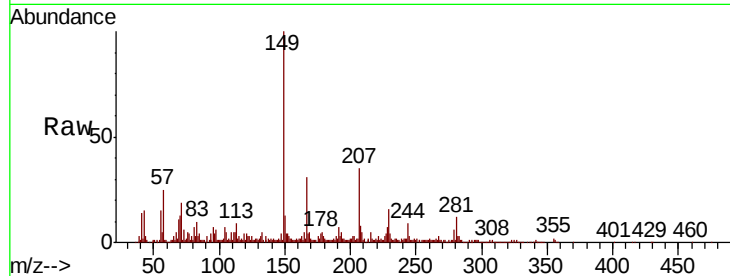
Tot Ion:149 Resp: 175352

Ion Ratio Lower Upper

149 100

167 31.0 22.5 33.7

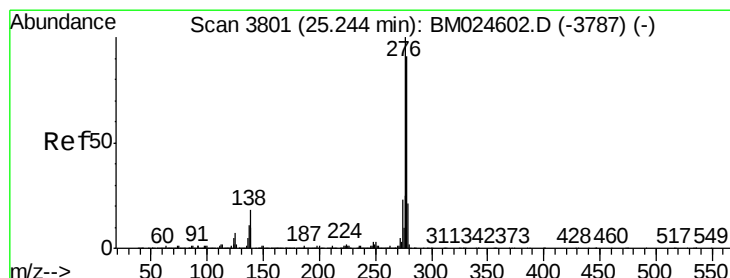
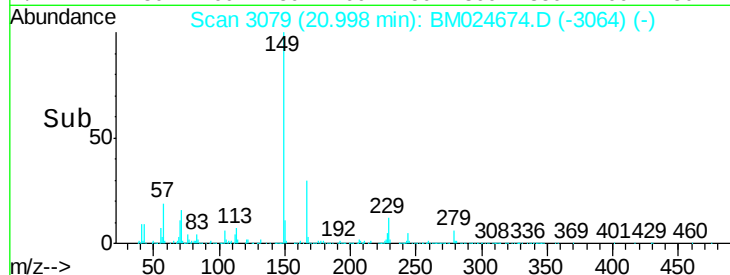
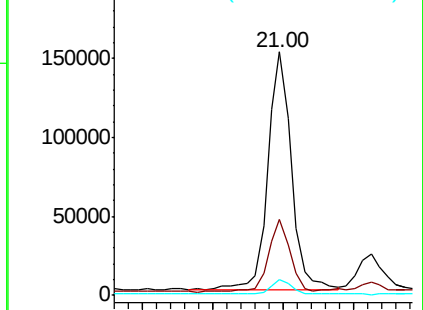
279 6.3 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.472 ng

RT: 25.21 min Scan# 3795

Delta R.T. -0.04 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

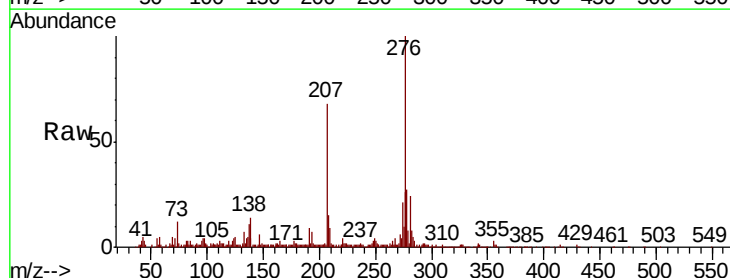
Tgt Ion:276 Resp: 483151

Ion Ratio Lower Upper

276 100

138 13.5 13.4 20.0

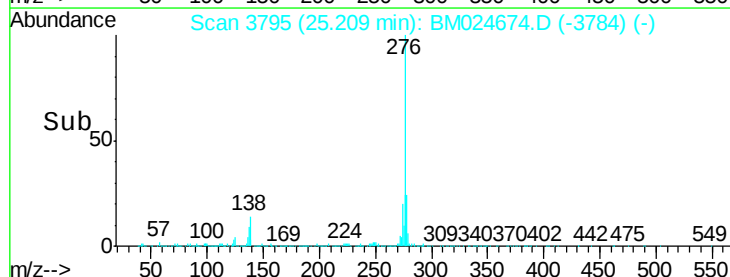
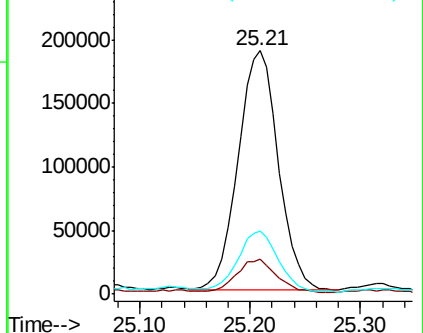
277 25.4 19.6 29.4

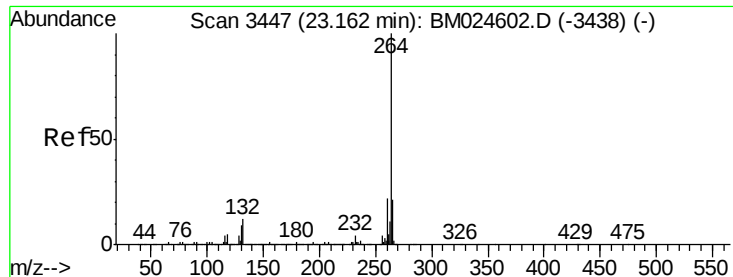


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.15 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

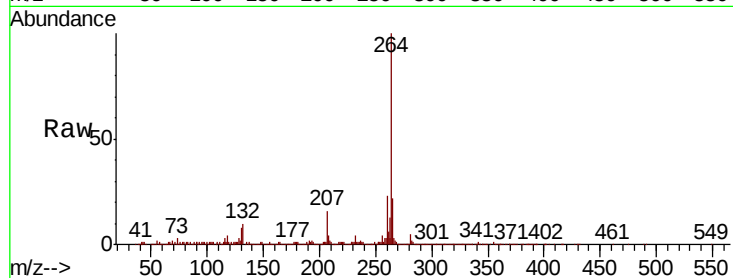
Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 1447682

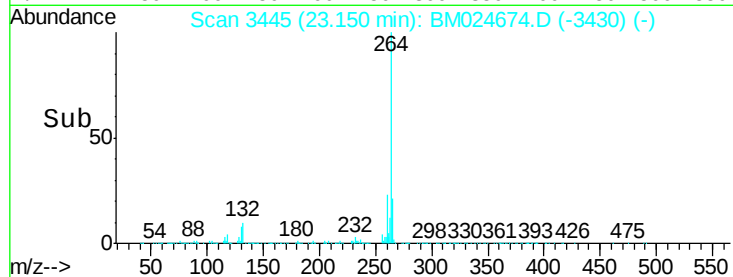
Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	22.2	17.3	25.9



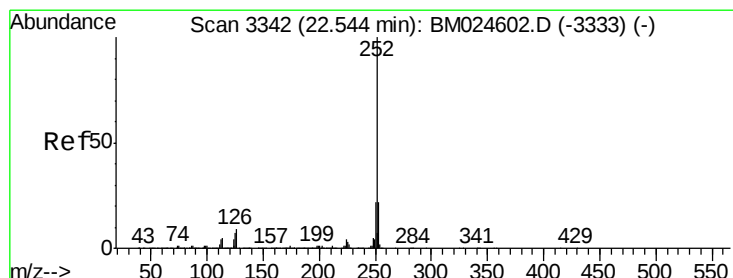
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 14.880 ng

RT: 22.53 min Scan# 3340

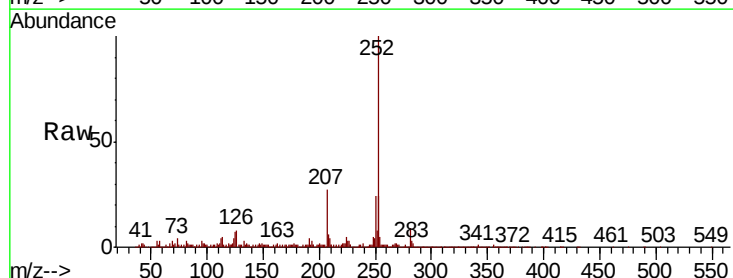
Delta R.T. -0.01 min

Lab File: BM024674.D

Acq: 31 Jan 2020 00:31

Tgt Ion:252 Resp: 1397160

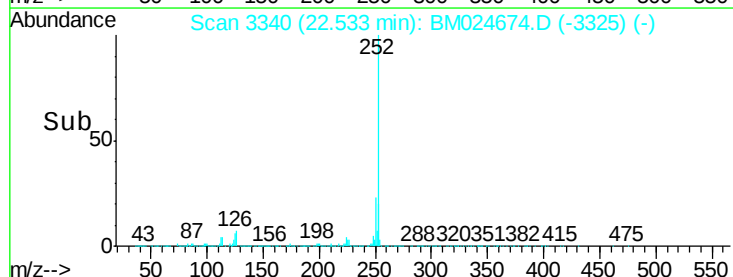
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	7.0	5.7	8.5



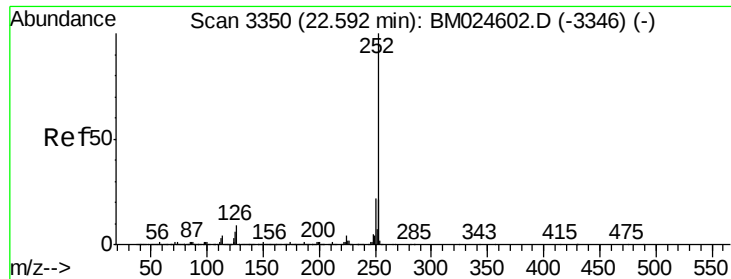
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



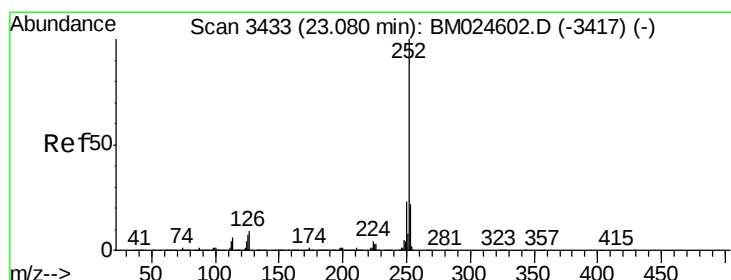
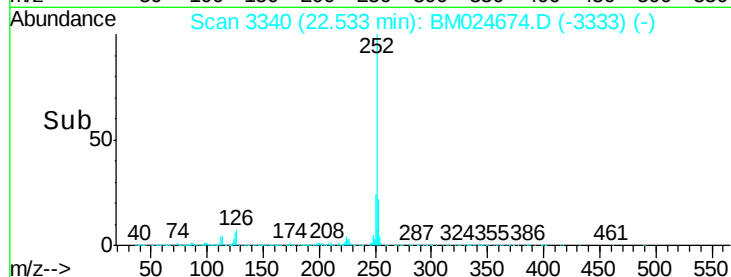
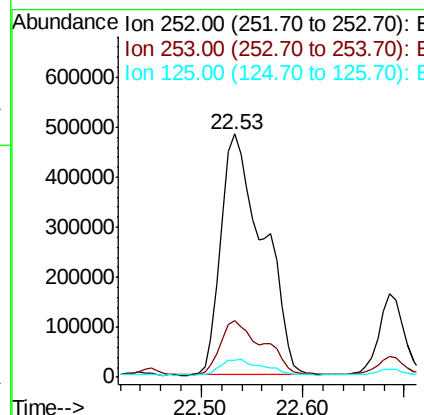
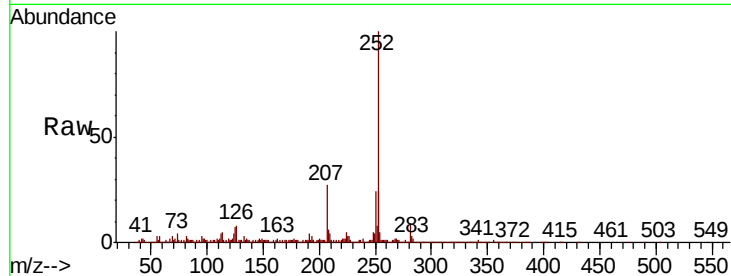
Time-->



#89
Benzo(k)fluoranthene
Concen: 15.190 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.06 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

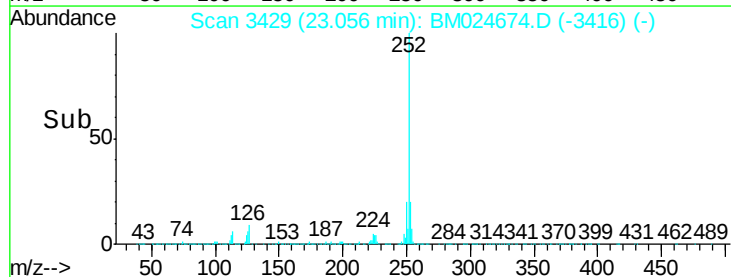
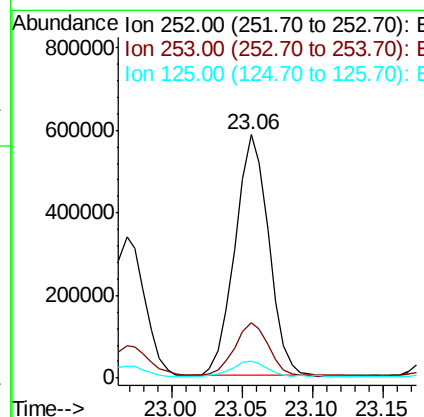
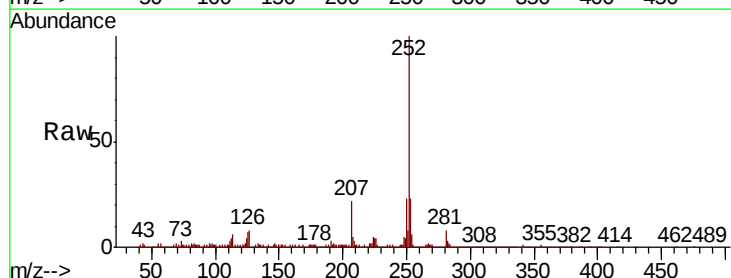
Instrument :
BNA_M
ClientSampleId :

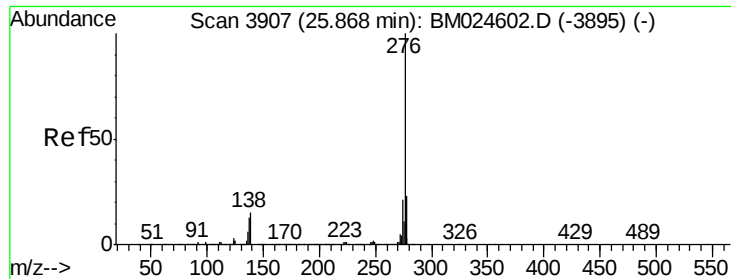
Tot Ion:252 Resp: 1392155
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 7.0 5.2 7.8



#90
Benzo(a)pyrene
Concen: 11.439 ng
RT: 23.06 min Scan# 3429
Delta R.T. -0.02 min
Lab File: BM024674.D
Acq: 31 Jan 2020 00:31

Tgt Ion:252 Resp: 976520
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 7.1 5.8 8.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.391 ng
 RT: 25.83 min Scan# 3901
 Delta R.T. -0.04 min
 Lab File: BM024674.D
 Acq: 31 Jan 2020 00:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	12.5	11.9	17.9

