

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
 Data File : BM024653.D
 Acq On : 29 Jan 2020 16:53
 Operator : CG/JU
 Sample : L1278-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 02:55:59 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

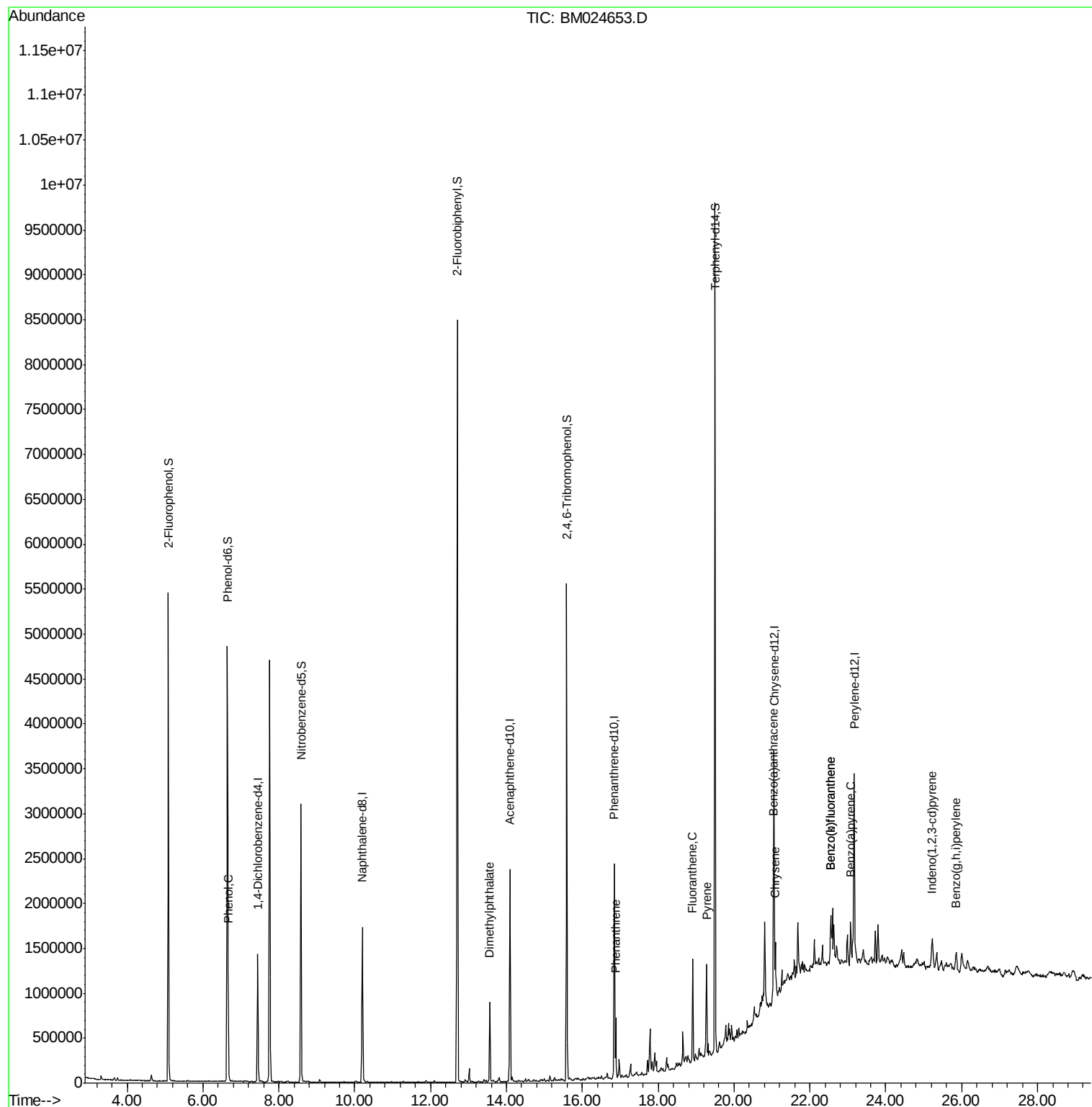
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	401264	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1471635	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	856002	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1497500	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1233808	20.00	ng	0.00
87) Perylene-d12	23.16	264	1505266	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	2264742	107.34	ng	0.00
7) Phenol-d6	6.65	99	2831352	97.41	ng	0.00
23) Nitrobenzene-d5	8.58	82	1822036	60.72	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1224882	87.97	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	4622562	73.42	ng	0.00
79) Terphenyl-d14	19.50	244	4901647	74.17	ng	0.00
Target Compounds						
10) Phenol	6.67	94	144158	4.975	ng	98
50) Dimethylphthalate	13.56	163	601052	8.683	ng	100
71) Phenanthrene	16.88	178	410565	5.063	ng	98
75) Fluoranthene	18.91	202	706829	6.984	ng	98
78) Pyrene	19.27	202	670841	8.248	ng	99
81) Benzo(a)anthracene	21.03	228	379054	4.426	ng	96
83) Chrysene	21.09	228	366972	4.491	ng	97
86) Indeno(1,2,3-cd)pyrene	25.23	276	210848	2.367	ng	97
88) Benzo(b)fluoranthene	22.54	252	610990	6.258	ng	95
89) Benzo(k)fluoranthene	22.54	252	607971	6.380	ng	# 94
90) Benzo(a)pyrene	23.07	252	327119	3.685	ng	96
92) Benzo(a,h,i)perylene	25.86	276	223887	2.927	ng	97

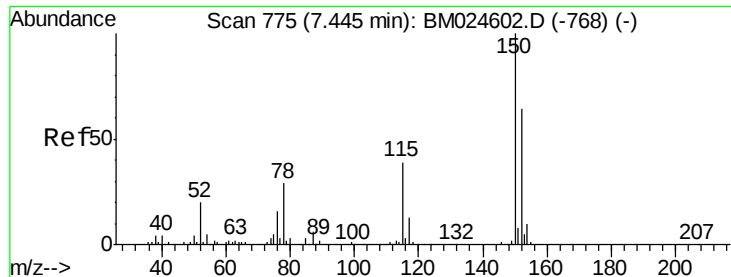
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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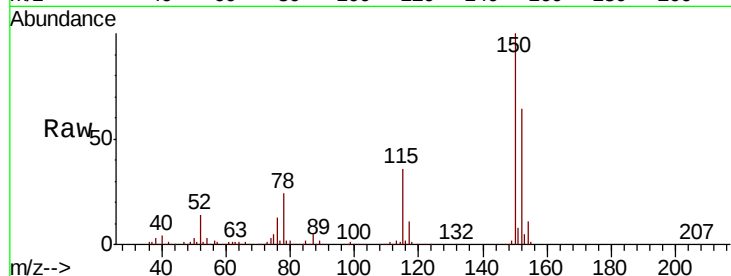


#1

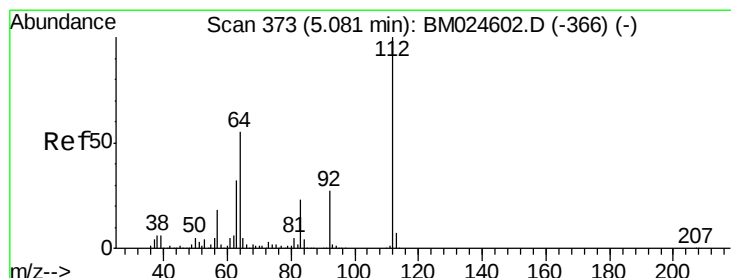
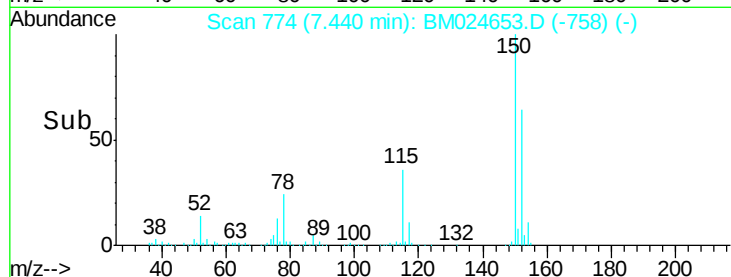
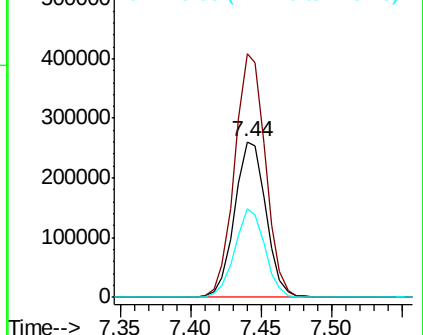
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.2	186.4
115	57.1	48.6	72.8



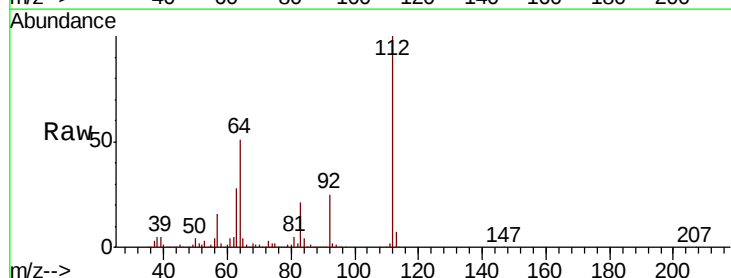
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



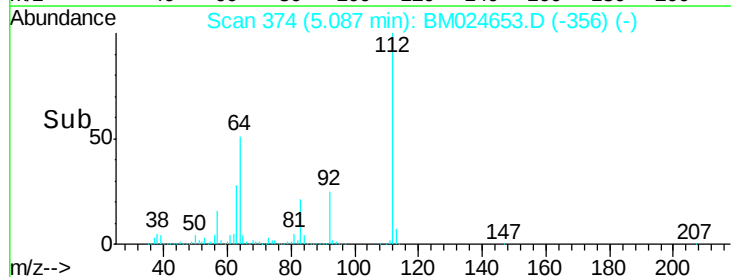
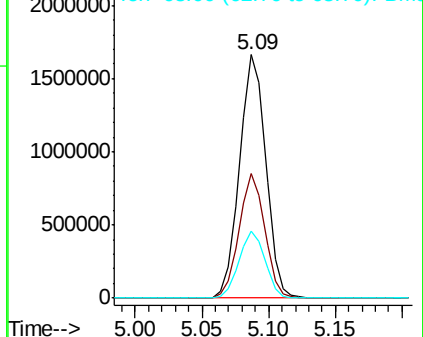
#5

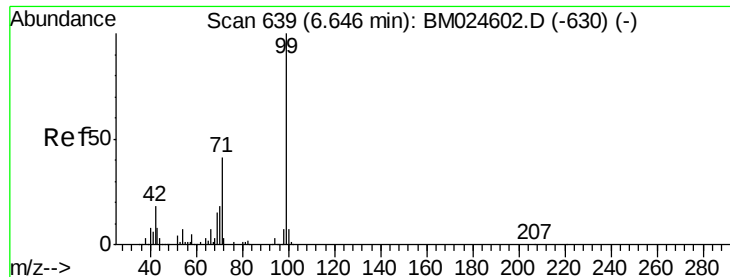
2-Fluorophenol
Concen: 107.336 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	44.2	66.4
63	27.7	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: 97.410 ng

RT: 6.65 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Instrument :

BNA_M

ClientSampled :

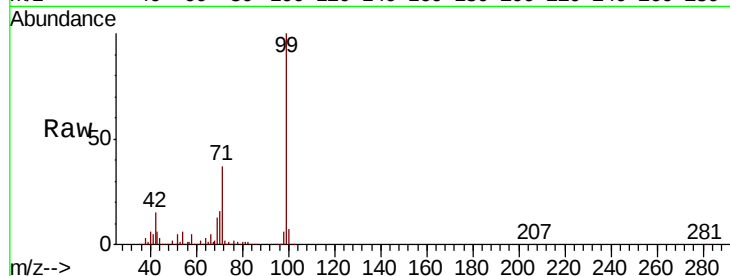
Tot Ion: 99 Resp: 2831352

Ion Ratio Lower Upper

99 100

42 14.6 14.1 21.1

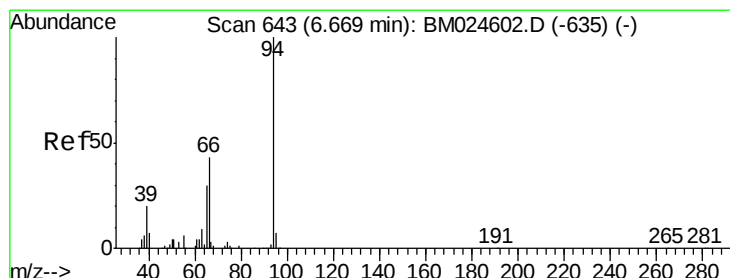
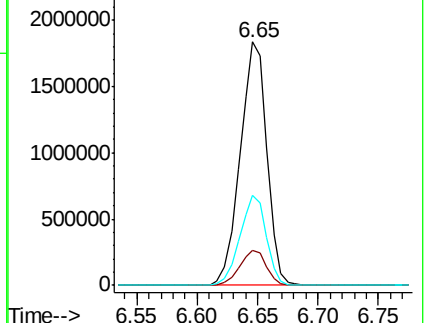
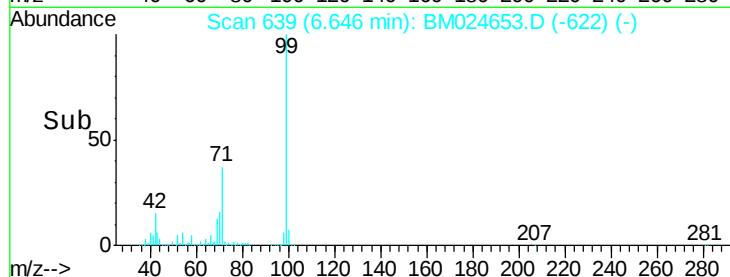
71 37.0 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024653.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024653.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024653.D (-622) (-)



#10

Phenol

Concen: 4.975 ng

RT: 6.67 min Scan# 643

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

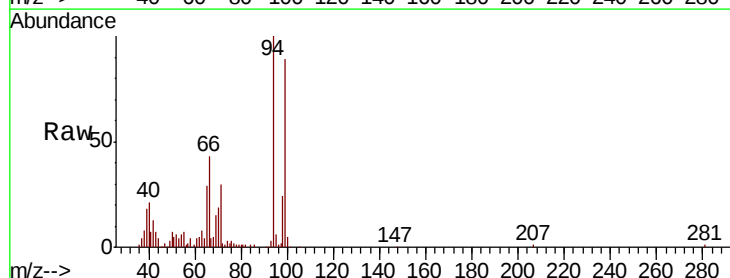
Tgt Ion: 94 Resp: 144158

Ion Ratio Lower Upper

94 100

65 29.3 10.3 50.3

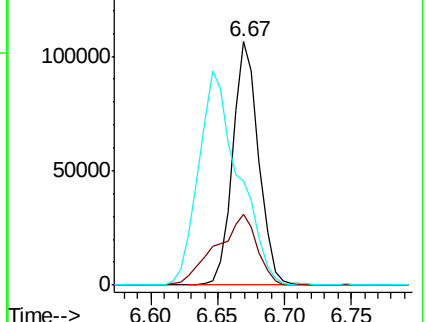
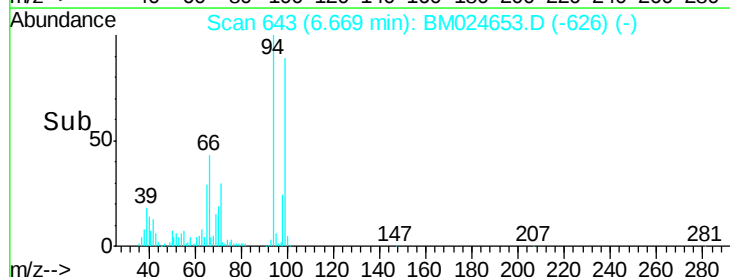
66 43.0 24.8 64.8

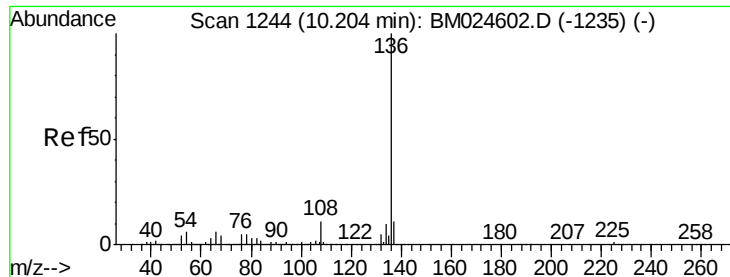


Abundance Ion 94.00 (93.70 to 94.70): BM024653.D (-626) (-)

Ion 65.00 (64.70 to 65.70): BM024653.D (-626) (-)

Ion 66.00 (65.70 to 66.70): BM024653.D (-626) (-)

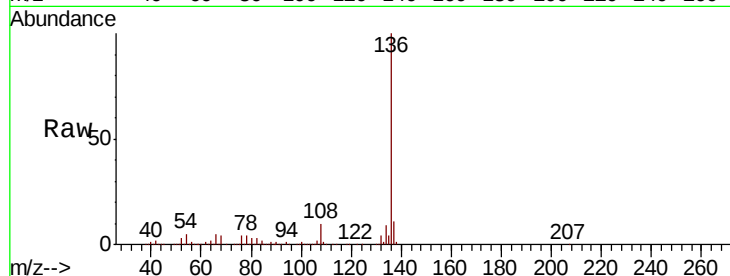




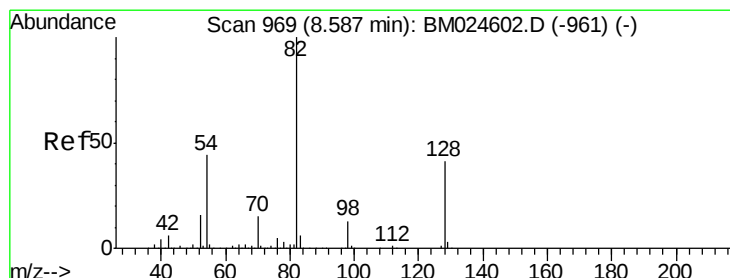
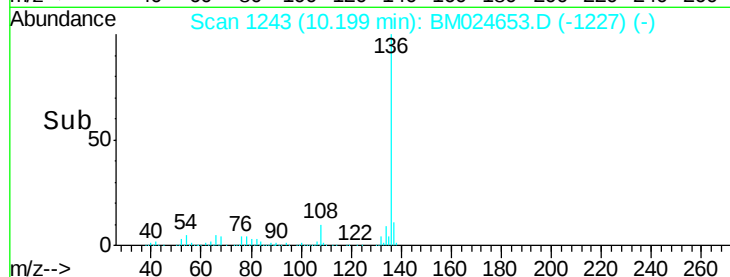
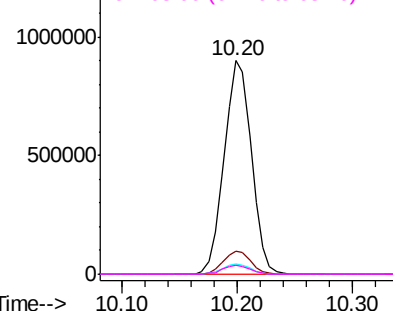
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp: 1471635
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 4.6	4.5 6.7
68 4.3	3.4 5.0

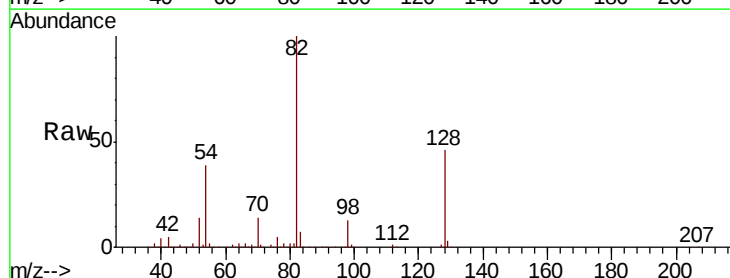


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

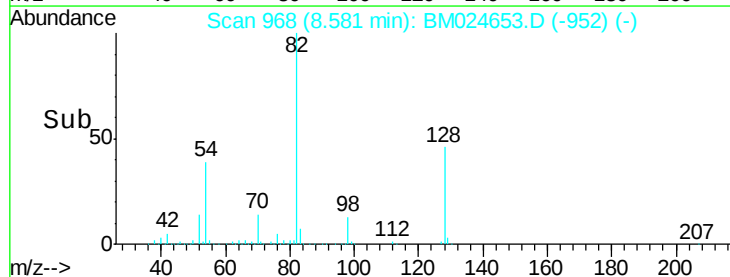
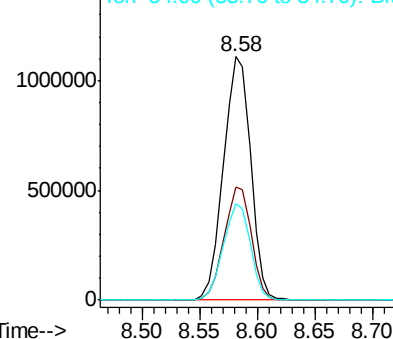


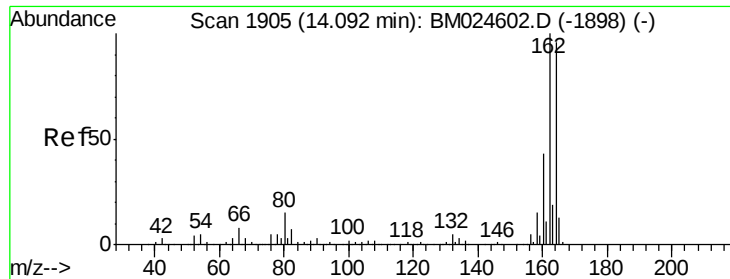
#23
Nitrobenzene-d5
Concen: 60.718 ng
RT: 8.58 min Scan# 968
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Tgt Ion: 82	Resp: 1822036
Ion Ratio	Lower Upper
82 100	
128 46.4	32.6 48.8
54 39.4	34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Instrument :

BNA_M

ClientSampleId :

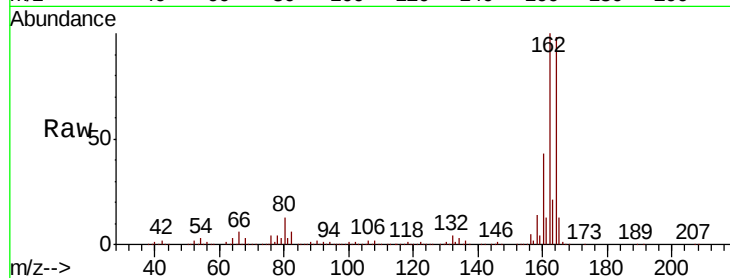
Tot Ion:164 Resp: 856002

Ion Ratio Lower Upper

164 100

162 102.4 82.9 124.3

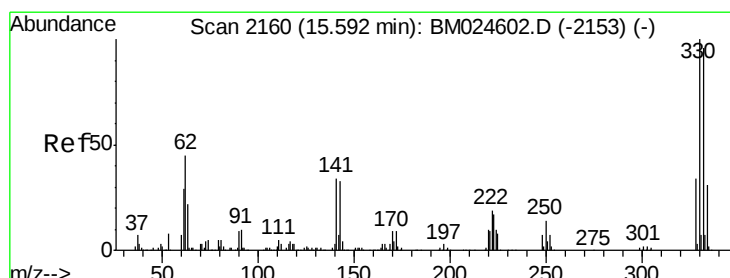
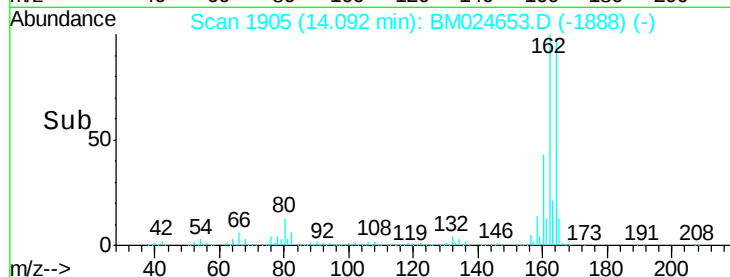
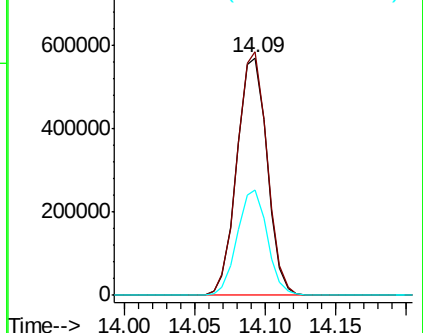
160 44.3 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 87.968 ng

RT: 15.59 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

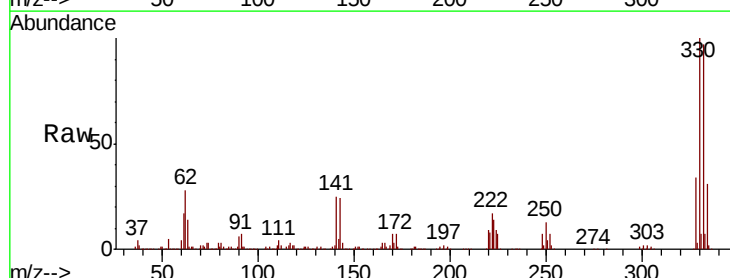
Tgt Ion:330 Resp: 1224882

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

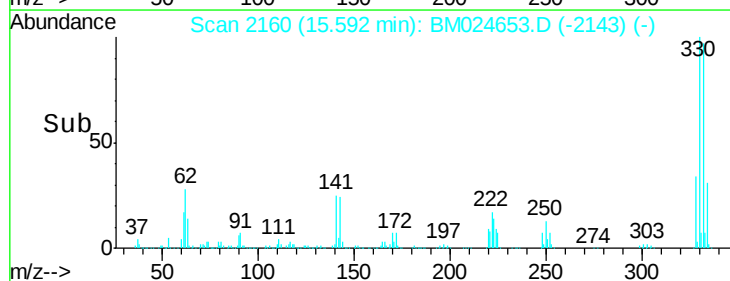
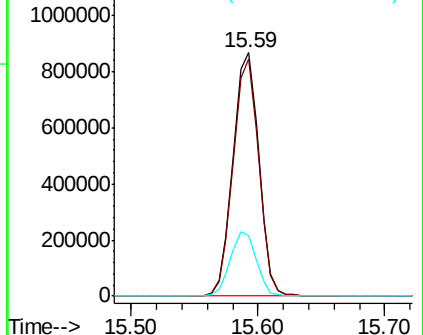
141 26.7 26.9 40.3#

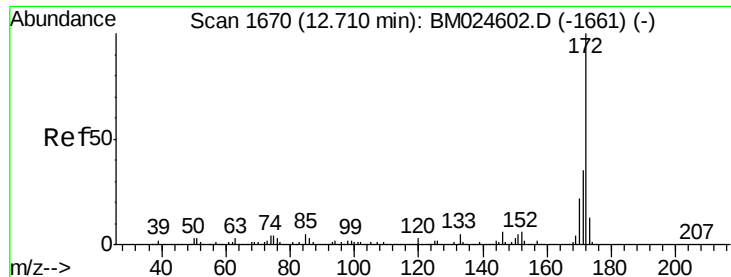


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



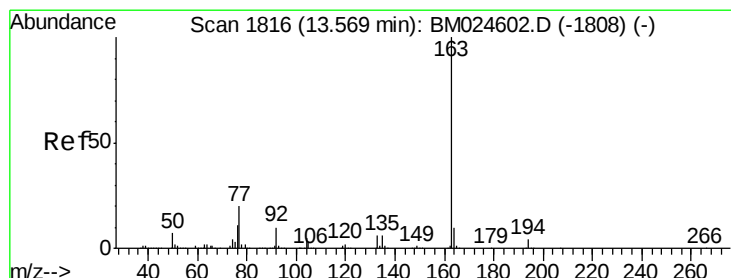
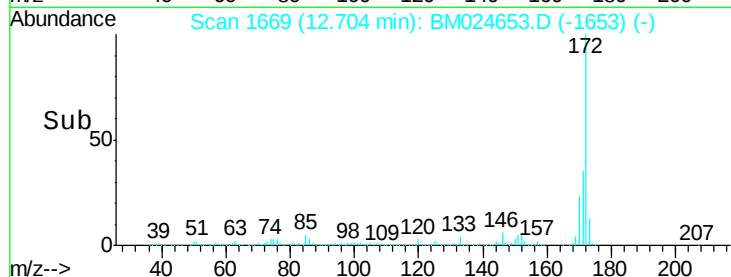
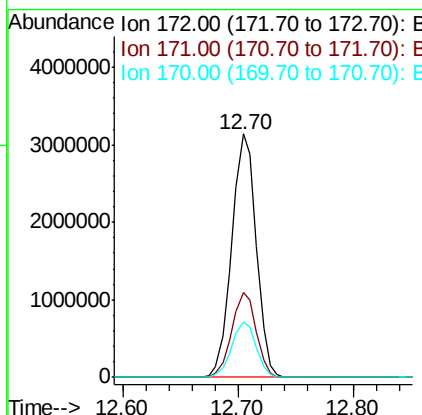
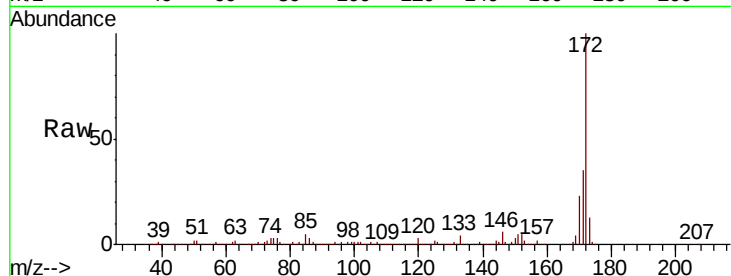


#45
2-Fluorobiphenyl
Concen: 73.416 ng
RT: 12.70 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:172 Resp: 4622562

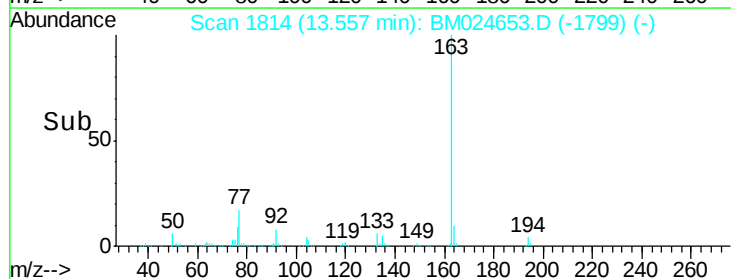
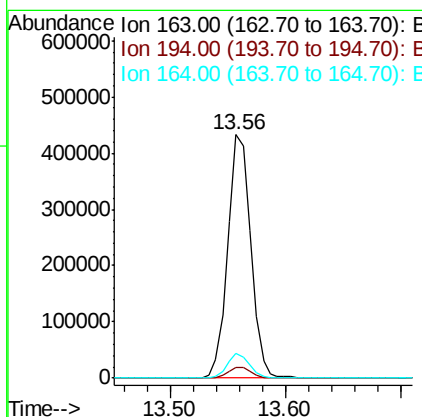
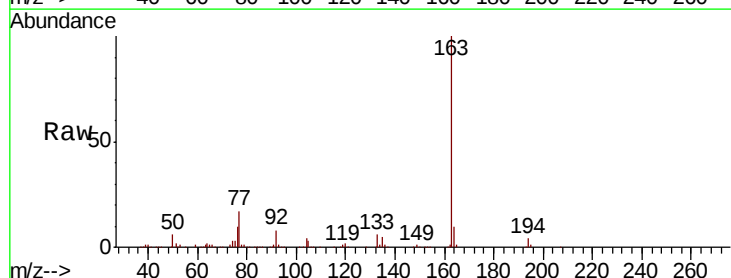
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	22.6	17.9	26.9

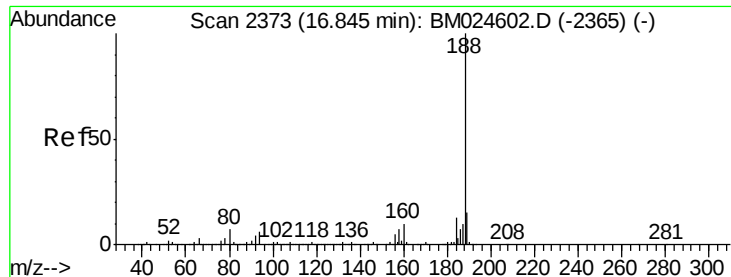


#50
Dimethylphthalate
Concen: 8.683 ng
RT: 13.56 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Tgt Ion:163 Resp: 601052

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.2	8.0	12.0

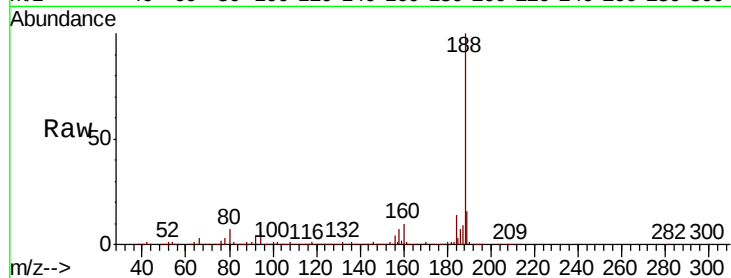




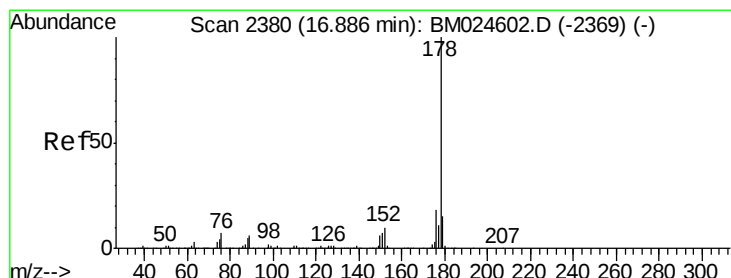
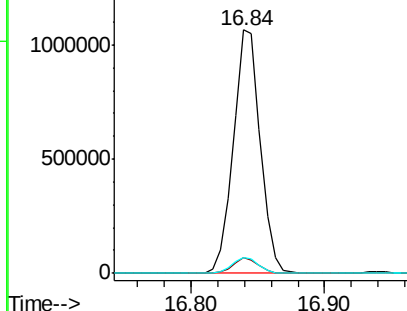
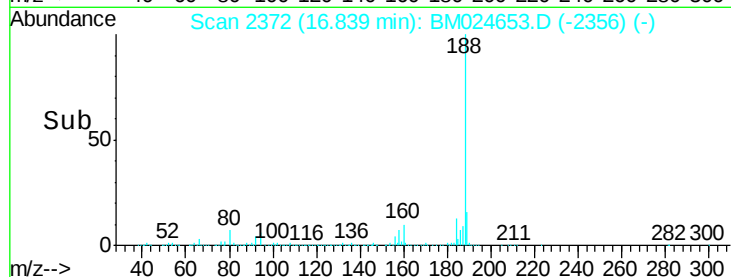
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Instrument :
BNA_M
ClientSampled :

Tot Ion:188 Resp: 1497500
Ion Ratio Lower Upper
188 100
94 6.4 5.0 7.6
80 6.7 5.8 8.8

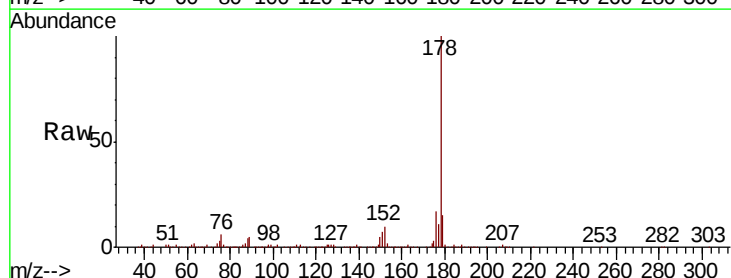


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

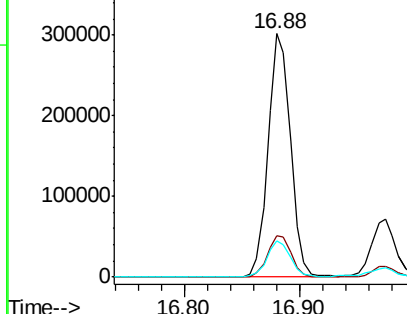
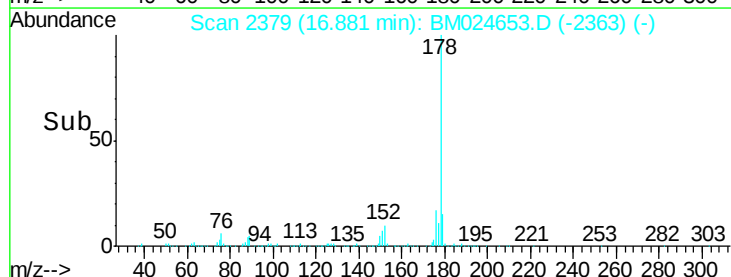


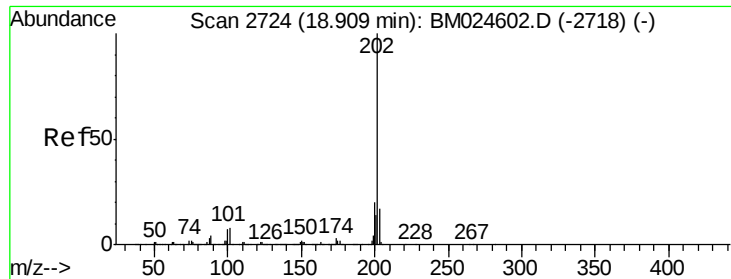
#71
Phenanthrene
Concen: 5.063 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Tgt Ion:178 Resp: 410565
Ion Ratio Lower Upper
178 100
176 17.0 14.5 21.7
179 15.1 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





#75

Fluoranthene

Concen: 6.984 ng

RT: 18.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Instrument :

BNA_M

ClientSampleId :

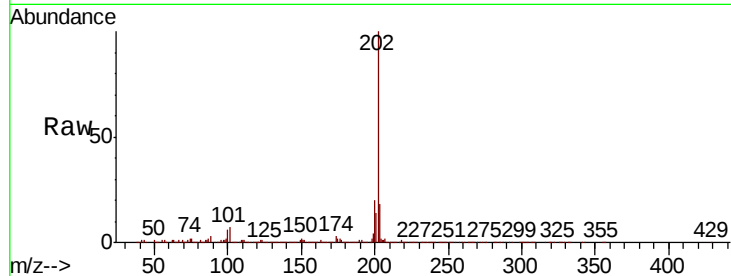
Tot Ion:202 Resp: 706829

Ion Ratio Lower Upper

202 100

101 6.9 0.0 28.4

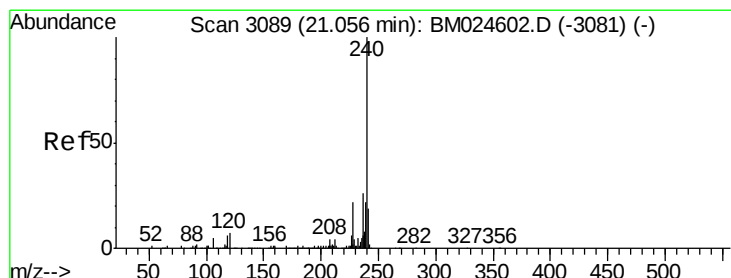
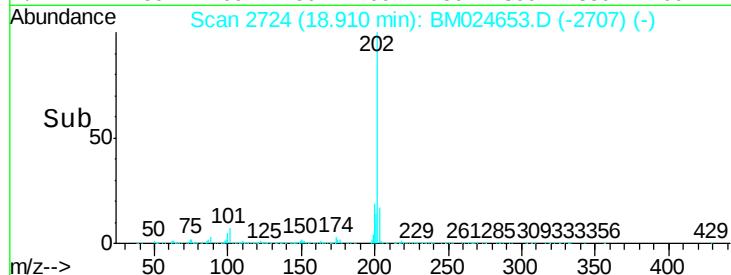
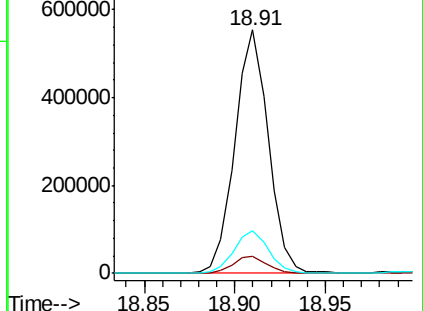
203 17.8 0.0 37.5



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: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

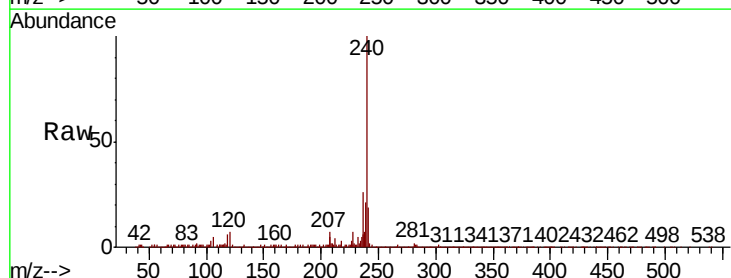
Tgt Ion:240 Resp: 1233808

Ion Ratio Lower Upper

240 100

120 7.0 5.3 7.9

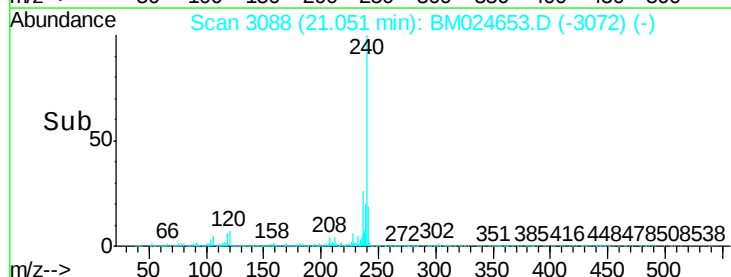
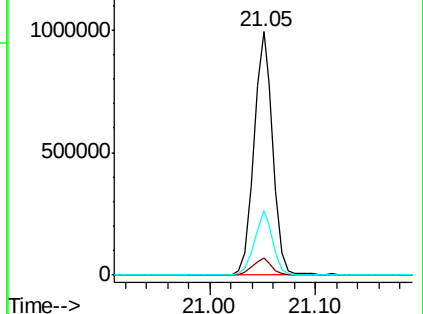
236 26.4 20.6 31.0

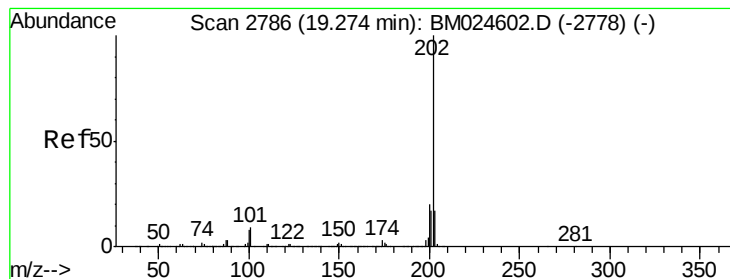


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.248 ng

RT: 19.27 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

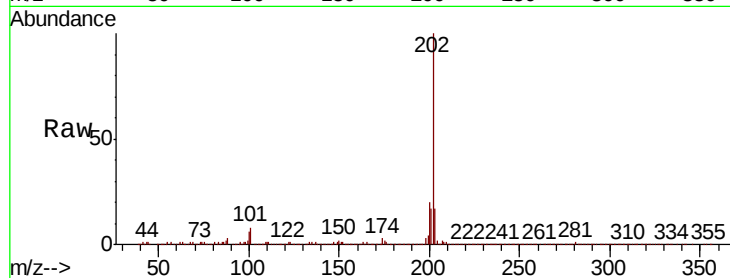
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 670841

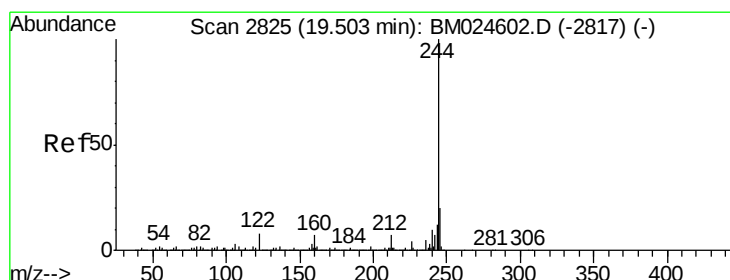
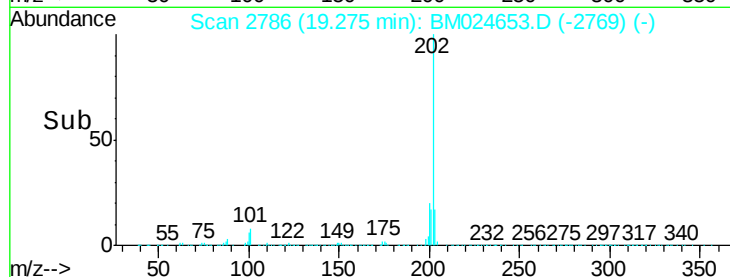
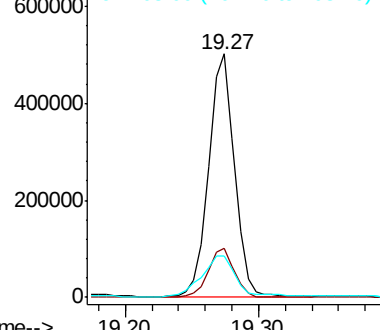
Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	17.2	14.0	21.0



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: 74.168 ng

RT: 19.50 min Scan# 2824

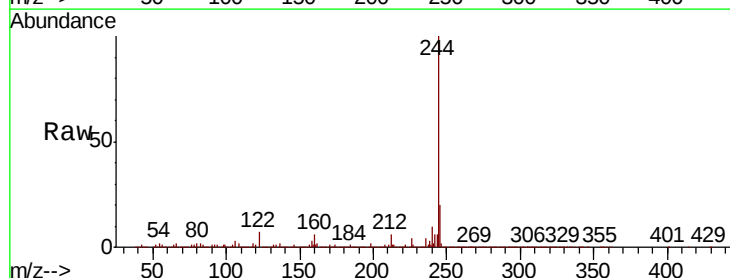
Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Tgt Ion:244 Resp: 4901647

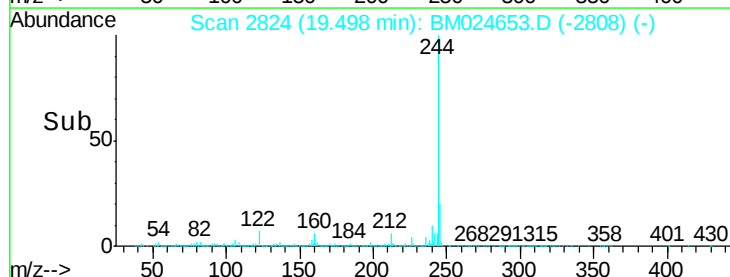
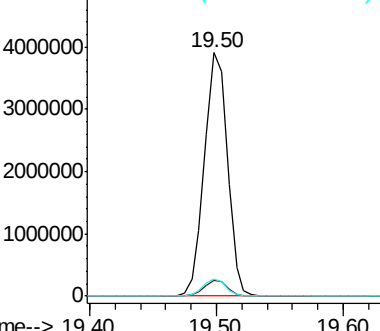
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	7.2	6.2	9.4

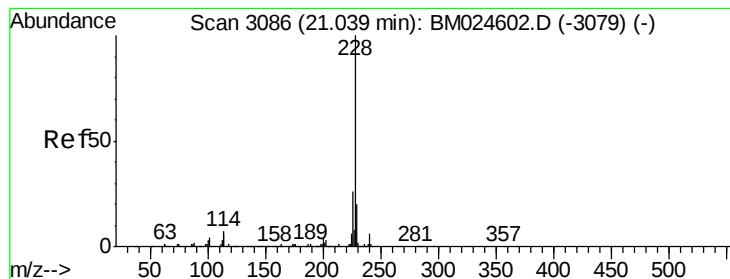


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.426 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Instrument :

BNA_M

ClientSampleId :

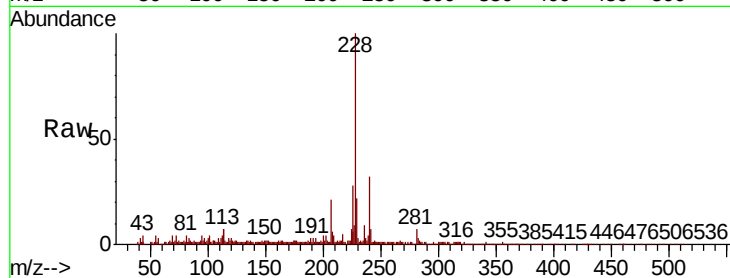
Tot Ion:228 Resp: 379054

Ion Ratio Lower Upper

228 100

226 28.2 21.1 31.7

229 21.8 15.8 23.6

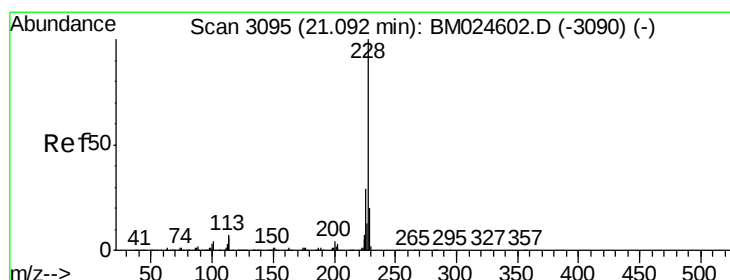
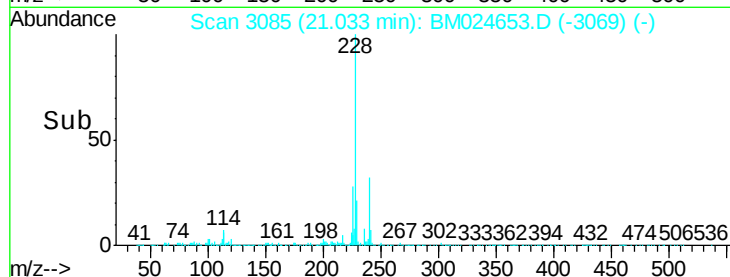
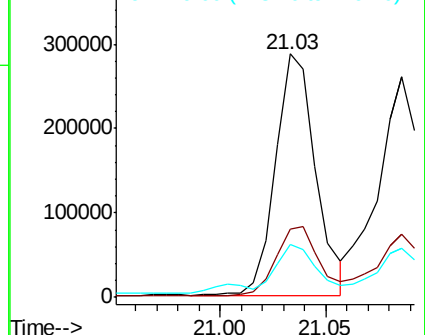


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 4.491 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

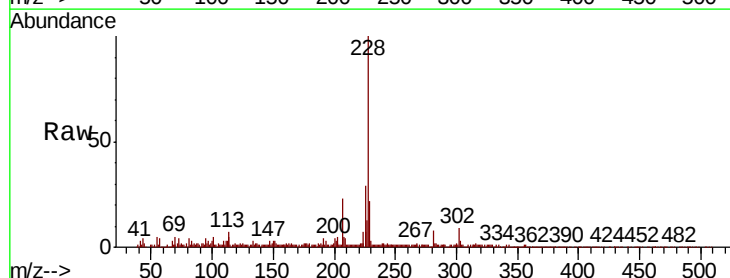
Tgt Ion:228 Resp: 366972

Ion Ratio Lower Upper

228 100

226 28.8 23.2 34.8

229 22.4 15.7 23.5

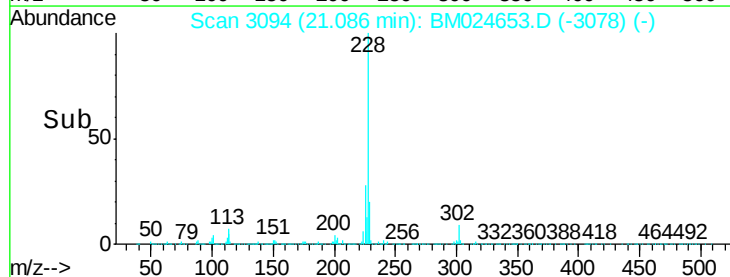
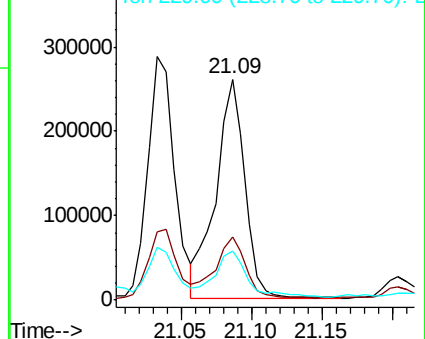


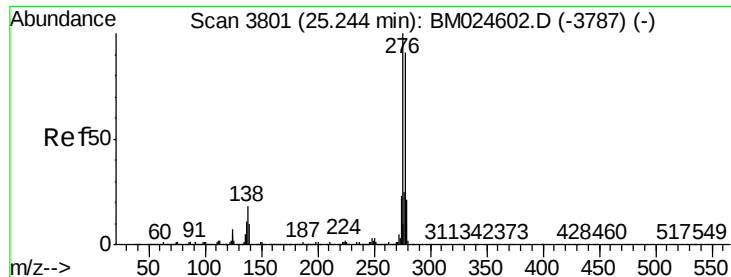
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

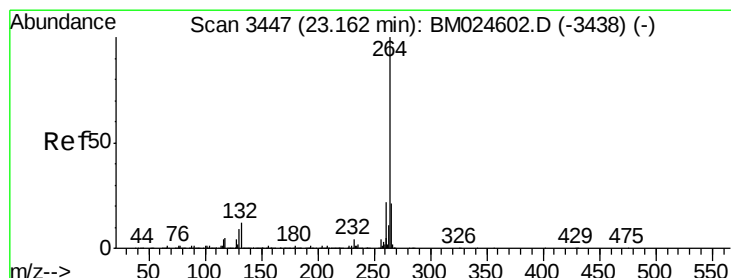
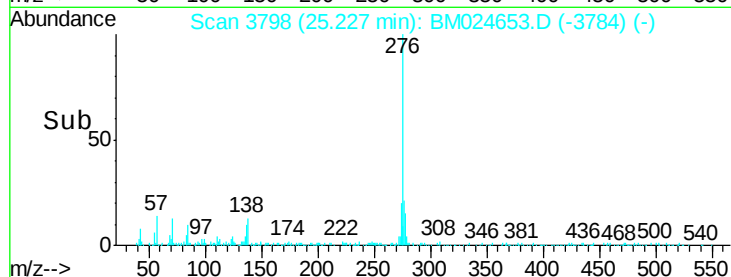
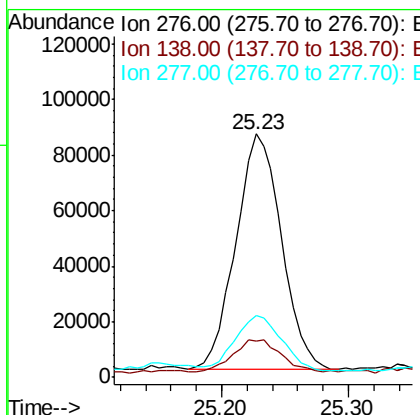
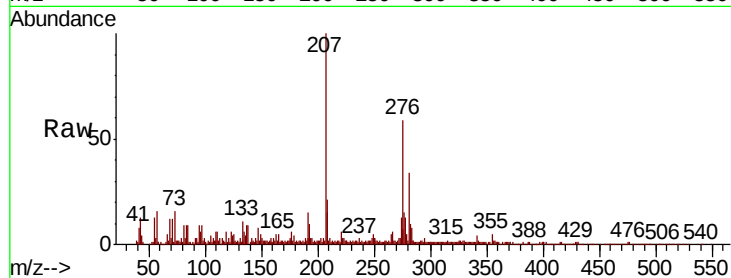




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.367 ng
 RT: 25.23 min Scan# 3798
 Delta R.T. -0.02 min
 Lab File: BM024653.D
 Acq: 29 Jan 2020 16:53

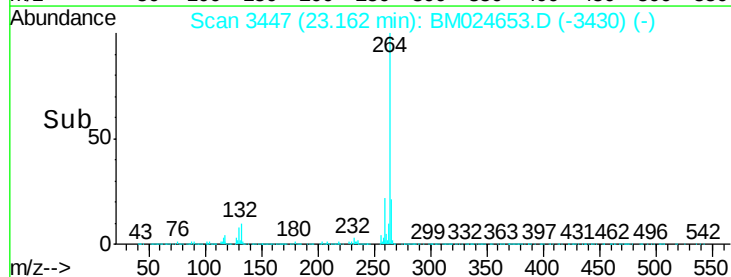
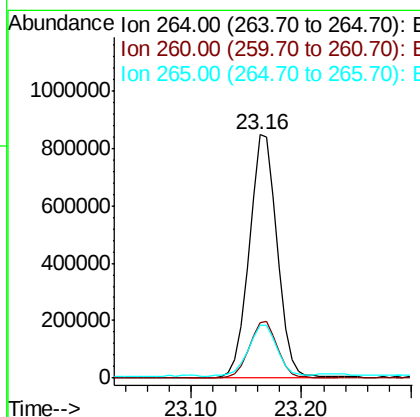
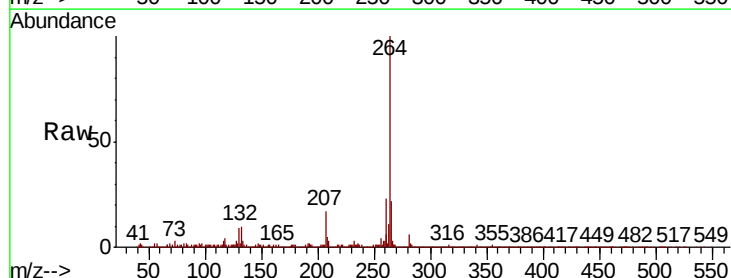
Instrument :
 BNA_M
 ClientSampleId :

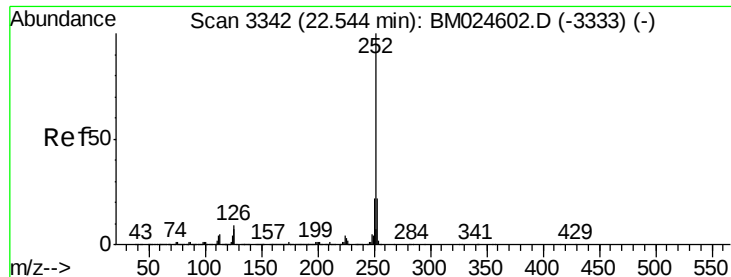
Tot Ion:276 Resp: 210848
 Ion Ratio Lower Upper
 276 100
 138 14.0 13.4 20.0
 277 24.5 19.6 29.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.16 min Scan# 3447
 Delta R.T. 0.00 min
 Lab File: BM024653.D
 Acq: 29 Jan 2020 16:53

Tgt Ion:264 Resp: 1505266
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.9 26.9
 265 21.8 17.3 25.9

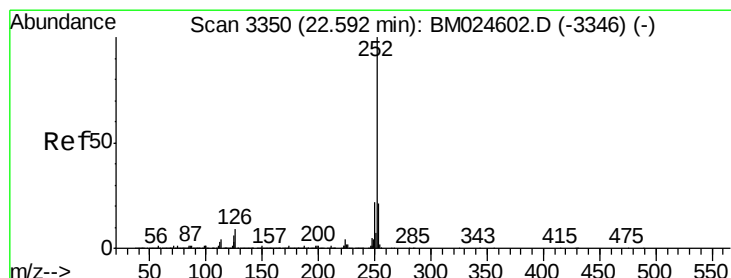
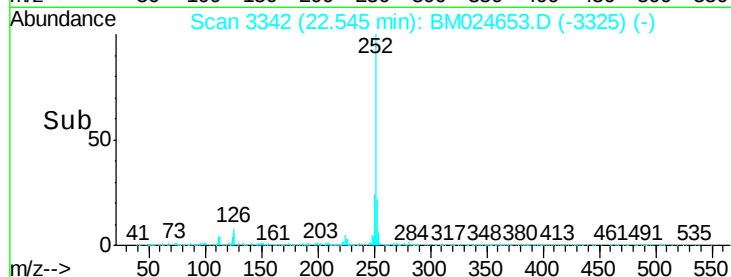
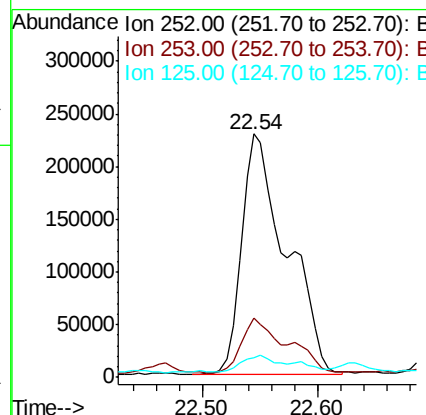
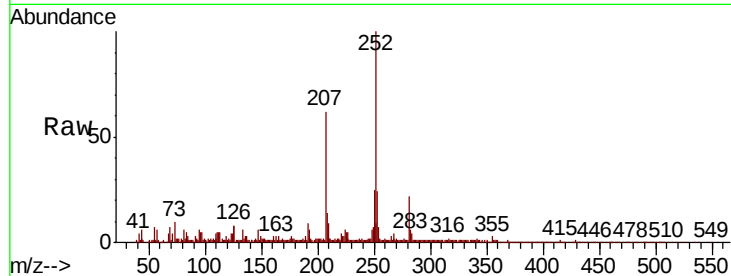




#88
Benzo(b)fluoranthene
Concen: 6.258 ng
RT: 22.54 min Scan# 3342
Delta R.T. 0.00 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

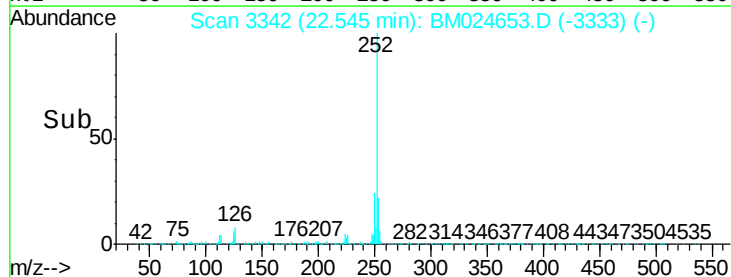
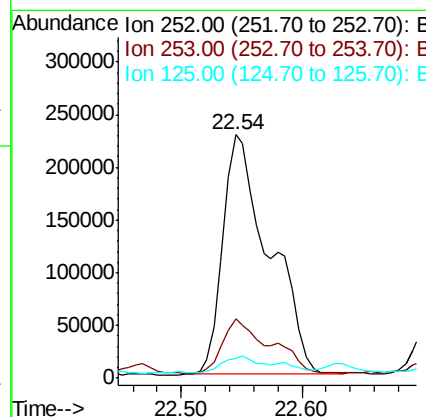
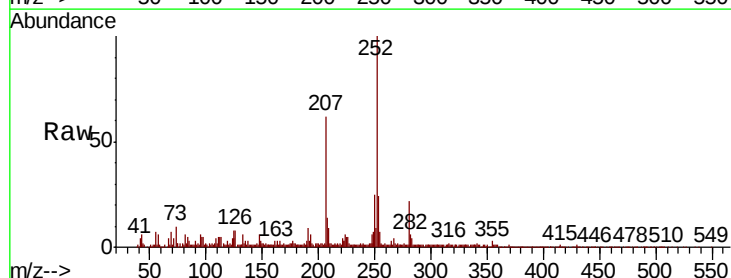
Instrument :
BNA_M
ClientSampleId :

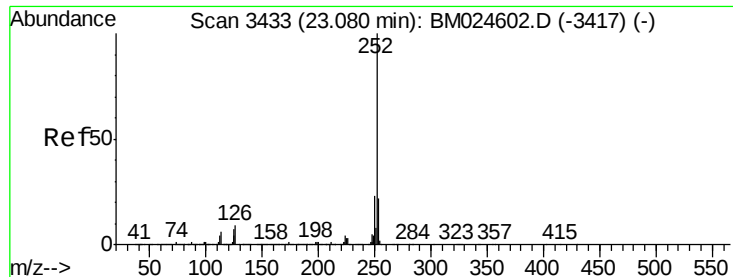
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	8.3	5.7	8.5



#89
Benzo(k)fluoranthene
Concen: 6.380 ng
RT: 22.54 min Scan# 3342
Delta R.T. -0.05 min
Lab File: BM024653.D
Acq: 29 Jan 2020 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	8.3	5.2	7.8





#90

Benzo(a)pyrene

Concen: 3.685 ng

RT: 23.07 min Scan# 3432

Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

Instrument :

BNA_M

ClientSampled :

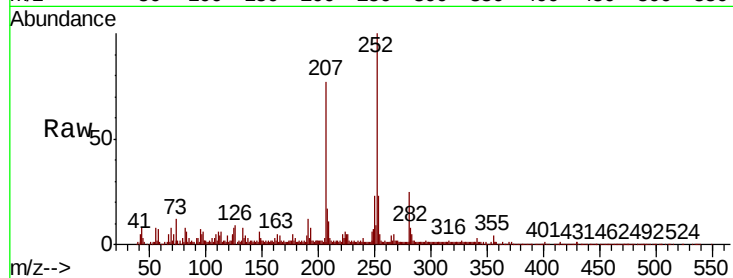
Tot Ion:252 Resp: 327119

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

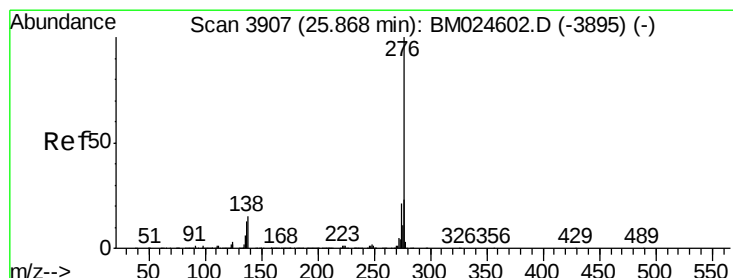
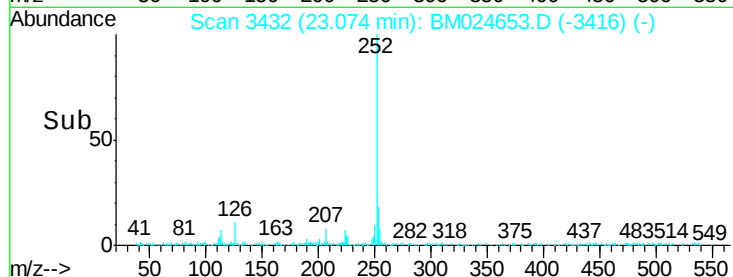
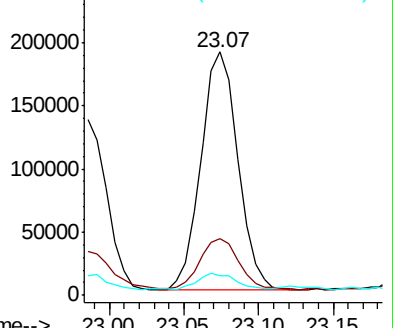
125 8.2 5.8 8.8



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



#92

Benzo(g,h,i)perylene

Concen: 2.927 ng

RT: 25.86 min Scan# 3905

Delta R.T. -0.01 min

Lab File: BM024653.D

Acq: 29 Jan 2020 16:53

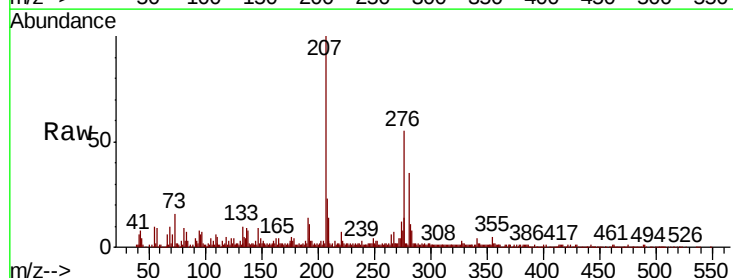
Tgt Ion:276 Resp: 223887

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 14.9 11.9 17.9



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

