

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
 Data File : BM024652.D
 Acq On : 29 Jan 2020 16:17
 Operator : CG/JU
 Sample : L1274-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 02:55:31 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	374896	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1381395	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	865841	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1655423	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1360921	20.00	ng	0.00
87) Perylene-d12	23.17	264	1594603	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.09	112	1566650	79.47	ng	0.00
7) Phenol-d6	6.65	99	1956918	72.06	ng	0.00
23) Nitrobenzene-d5	8.58	82	1290536	45.82	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	970929	68.94	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	3495029	54.88	ng	0.00
79) Terphenyl-d14	19.50	244	4462048	61.21	ng	0.00

Target Compounds

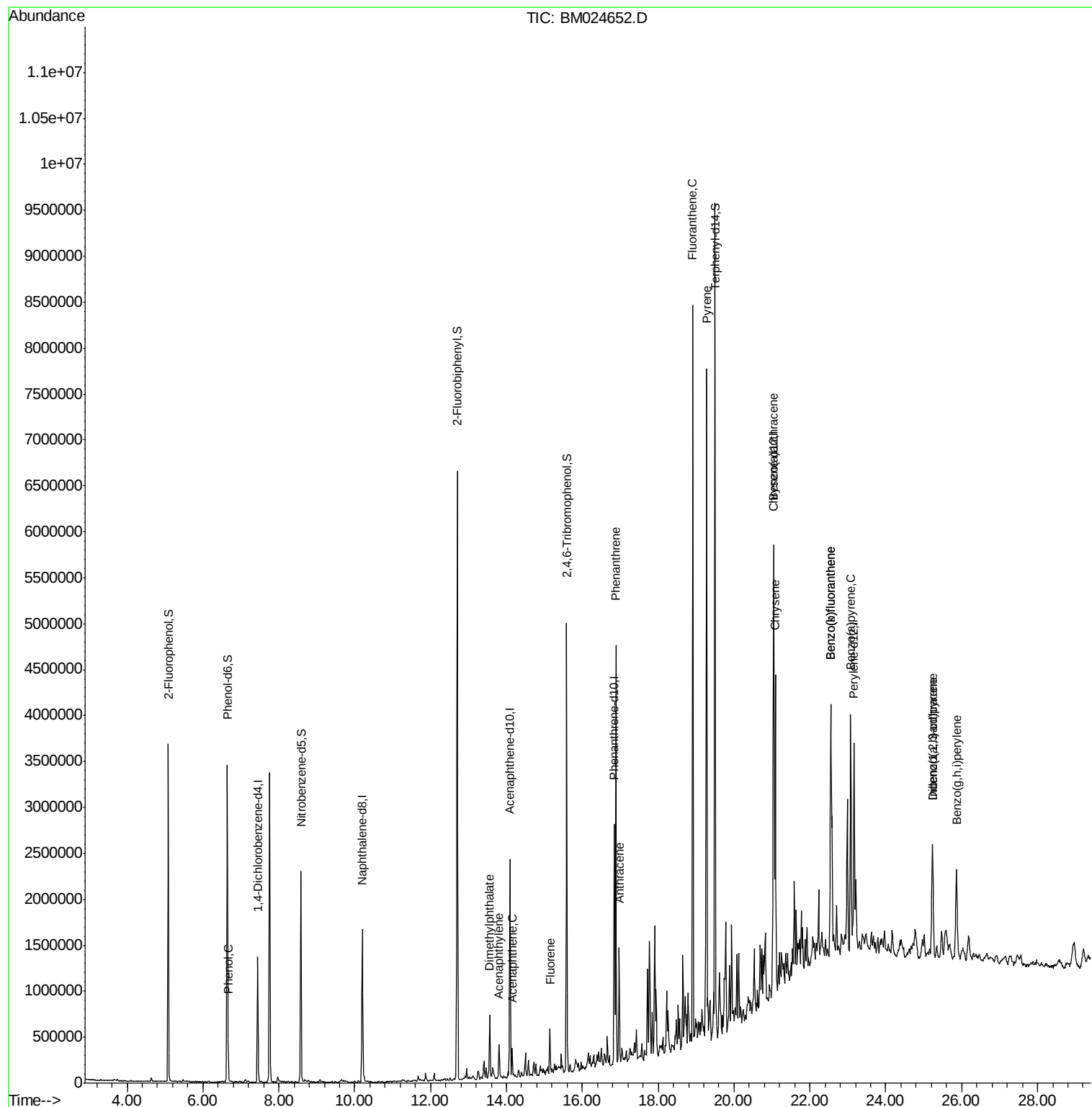
						Qvalue
10) Phenol	6.67	94	65049	2.403	ng	99
49) Acenaphthylene	13.80	152	301657	3.809	ng	97
50) Dimethylphthalate	13.56	163	446806	6.382	ng	99
52) Acenaphthene	14.15	154	110864	2.256	ng	98
58) Fluorene	15.14	166	201815	2.997	ng	95
71) Phenanthrene	16.89	178	2903067	32.384	ng	99
72) Anthracene	16.97	178	814276	9.283	ng	100
75) Fluoranthene	18.91	202	5027056	44.931	ng	98
78) Pyrene	19.27	202	4545188	50.661	ng	99
81) Benzo(a)anthracene	21.03	228	2165432	22.925	ng	96
83) Chrysene	21.09	228	1999759	22.187	ng	97
86) Indeno(1,2,3-cd)pyrene	25.23	276	1162712	11.836	ng	96
88) Benzo(b)fluoranthene	22.55	252	3219399	31.129	ng	98
89) Benzo(k)fluoranthene	22.55	252	3196355	31.663	ng	98
90) Benzo(a)pyrene	23.07	252	1840045	19.569	ng	98
91) Dibenzo(a,h)anthracene	25.24	278	299795	3.359	ng	# 88
92) Benzo(a,h,i)perylene	25.86	276	1150697	14.200	ng	97

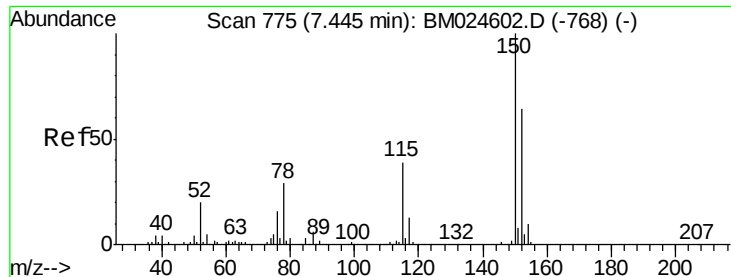
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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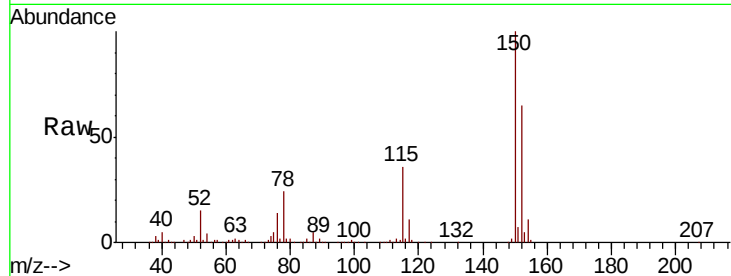


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.2	186.4
115	55.7	48.6	72.8

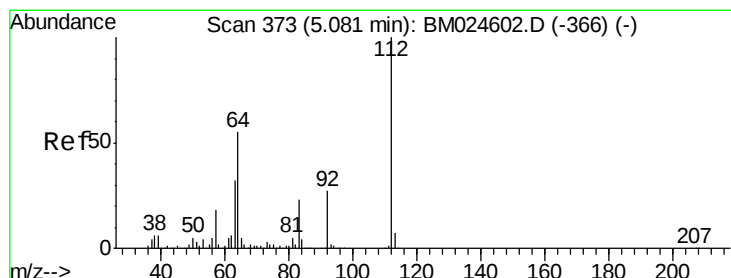
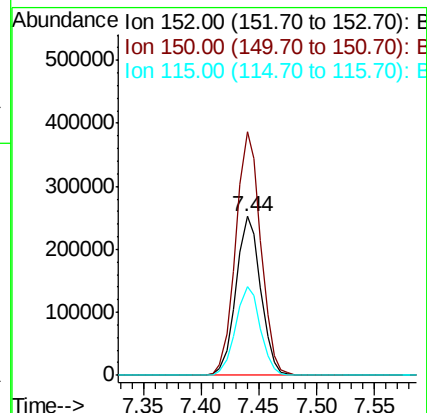
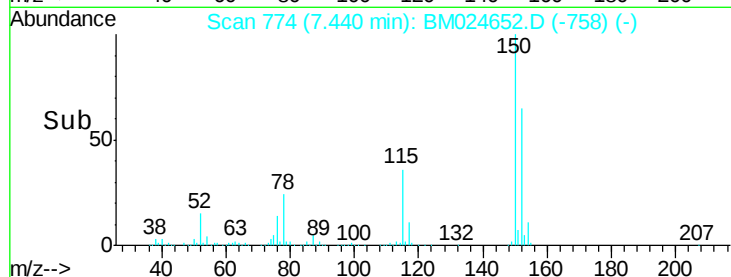


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

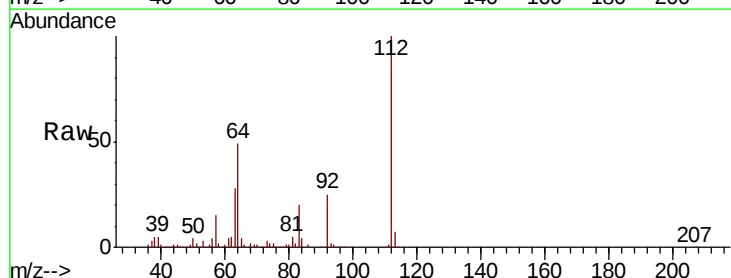
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.472 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.2	44.2	66.4
63	27.9	25.9	38.9

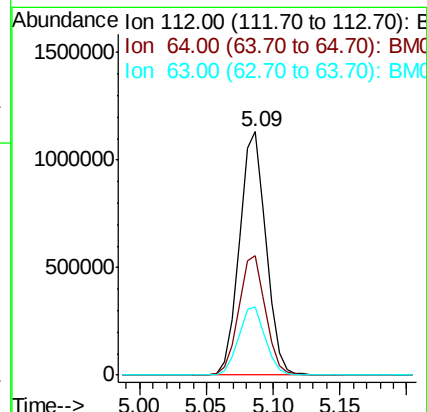
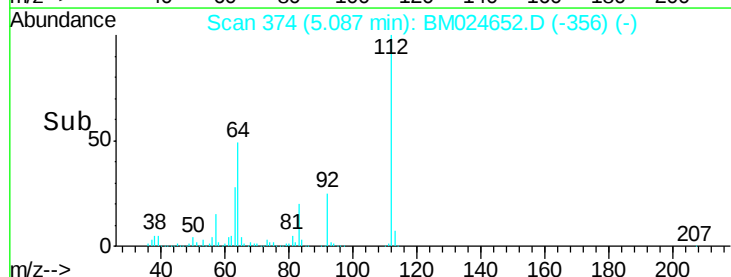


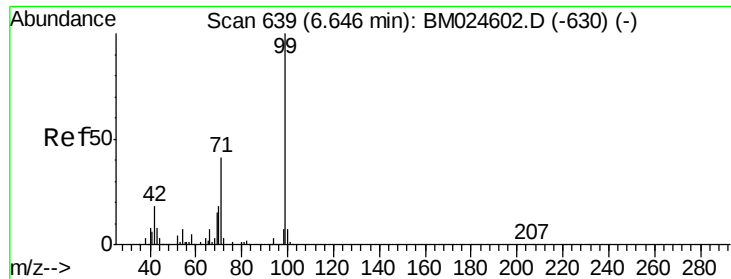
Abundance

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: 72.062 ng

RT: 6.65 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

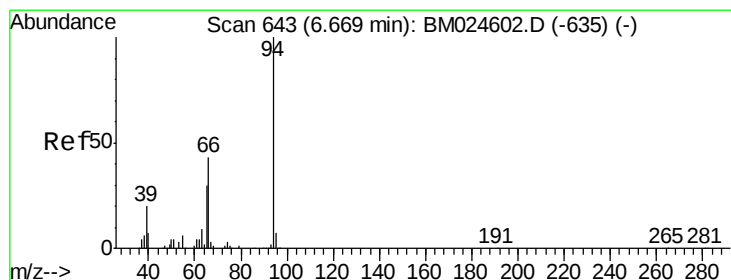
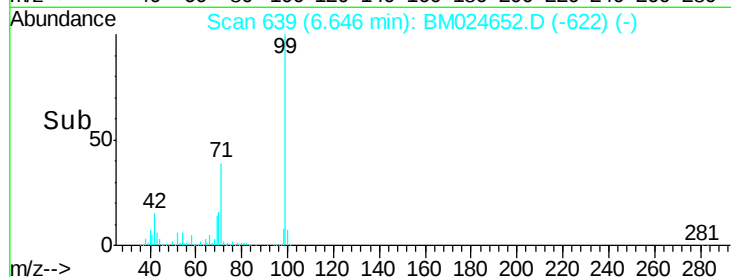
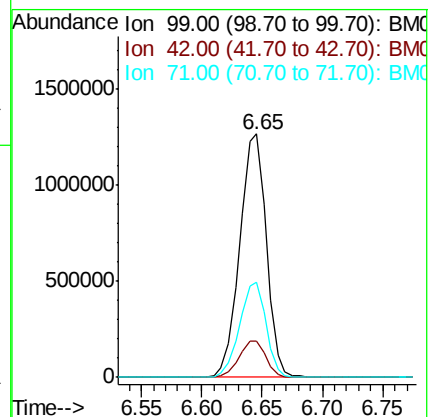
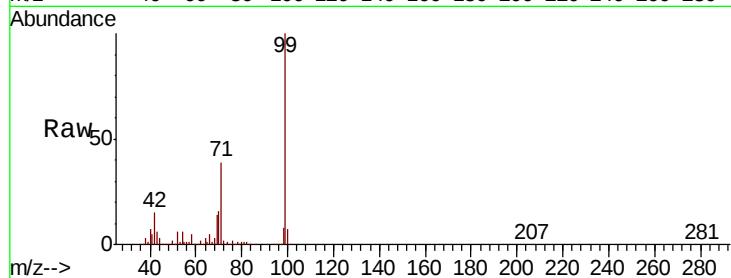
Tot Ion: 99 Resp: 1956918

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

71 38.9 33.0 49.6



#10

Phenol

Concen: 2.403 ng

RT: 6.67 min Scan# 643

Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

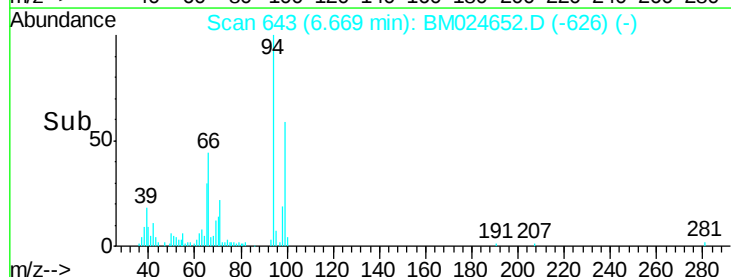
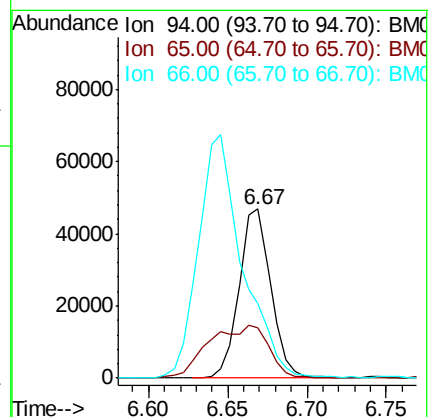
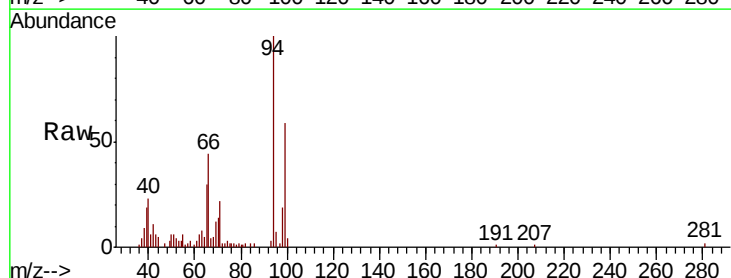
Tgt Ion: 94 Resp: 65049

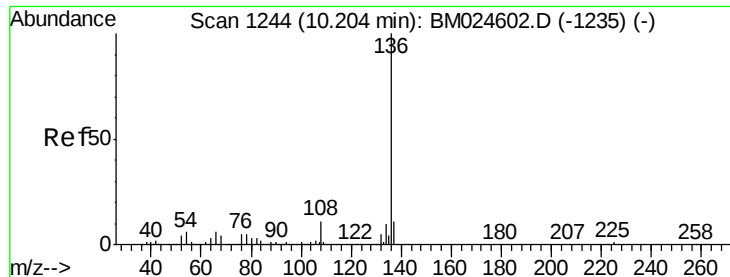
Ion Ratio Lower Upper

94 100

65 29.9 10.3 50.3

66 44.3 24.8 64.8

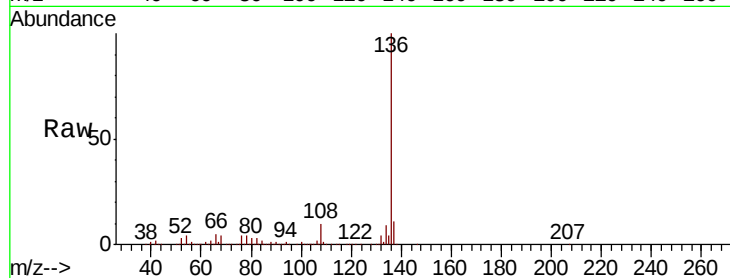




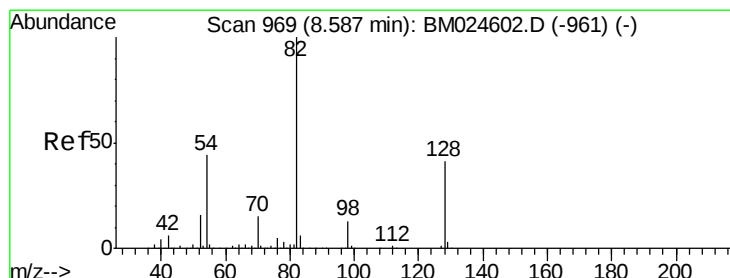
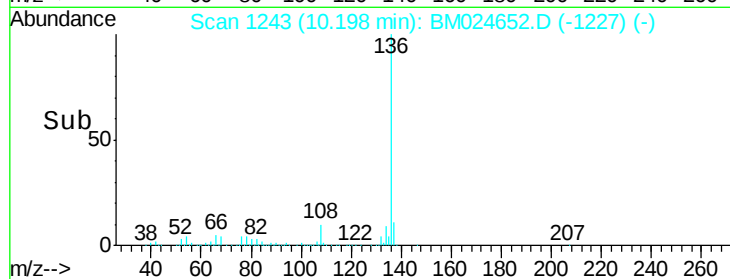
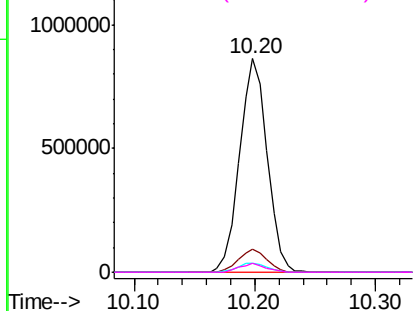
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	136	Resp:	1381395
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	4.4	4.5	6.7#
68	3.9	3.4	5.0

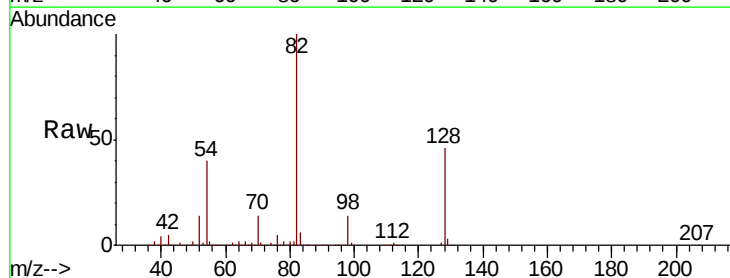


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

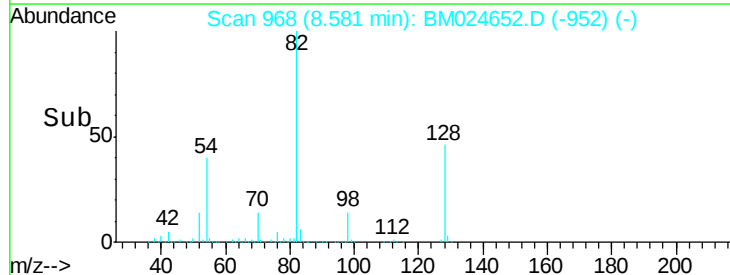
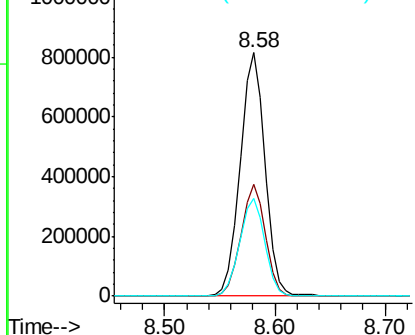


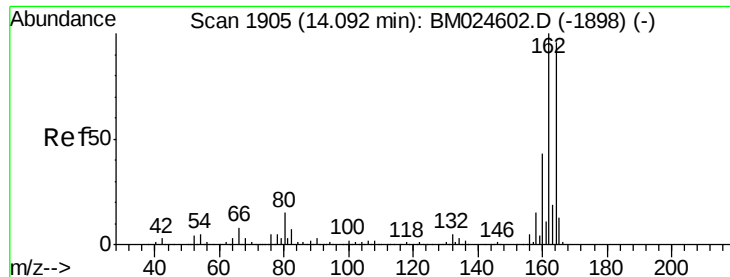
#23
Nitrobenzene-d5
Concen: 45.816 ng
RT: 8.58 min Scan# 968
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:	82	Resp:	1290536
Ion	Ratio	Lower	Upper
82	100		
128	45.9	32.6	48.8
54	40.3	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

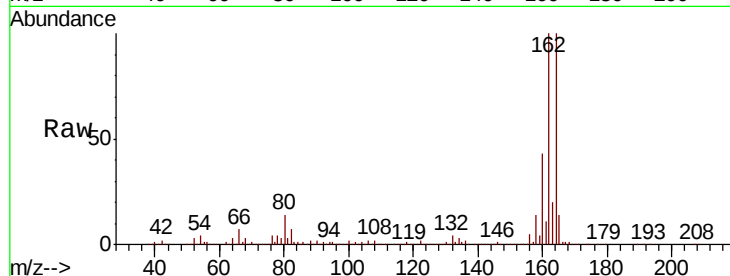




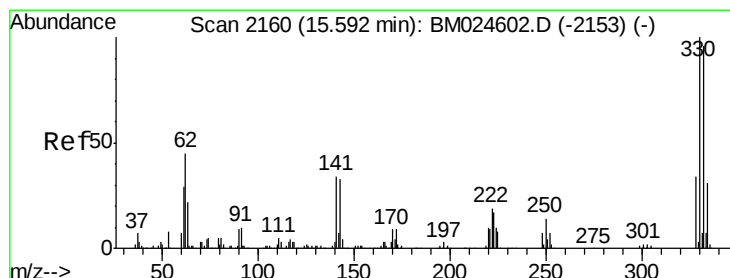
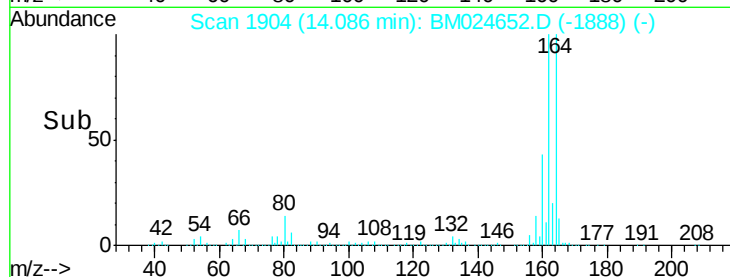
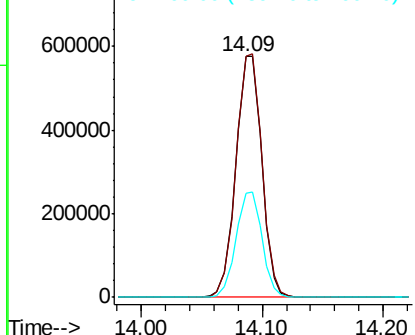
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1904
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:164 Resp: 865841
 Ion Ratio Lower Upper
 164 100
 162 100.1 82.9 124.3
 160 43.3 35.5 53.3

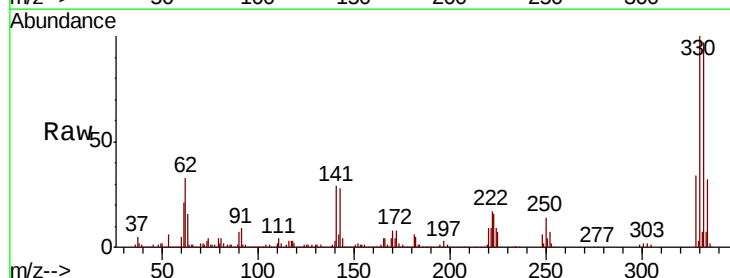


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

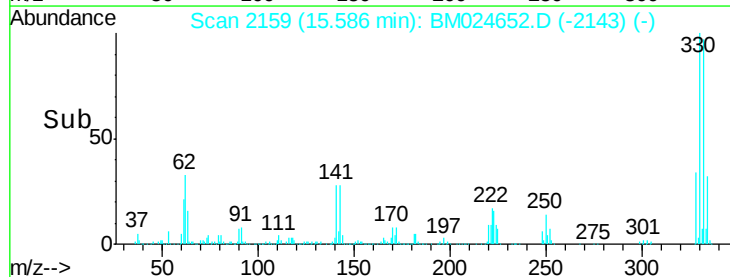
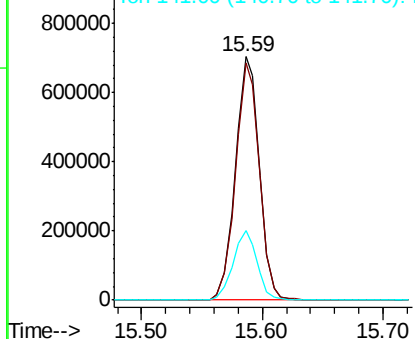


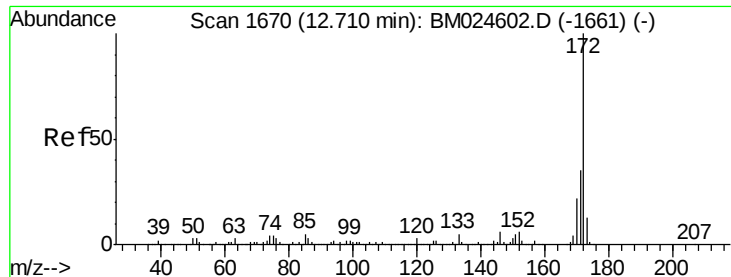
#42
 2,4,6-Tribromophenol
 Concen: 68.938 ng
 RT: 15.59 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

Tgt Ion:330 Resp: 970929
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.2 115.8
 141 28.2 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

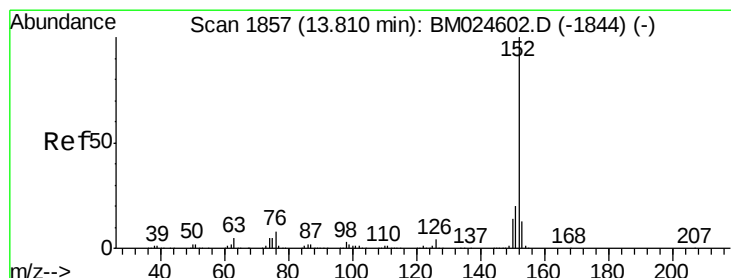
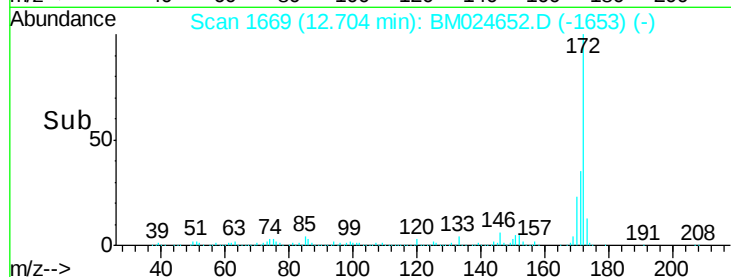
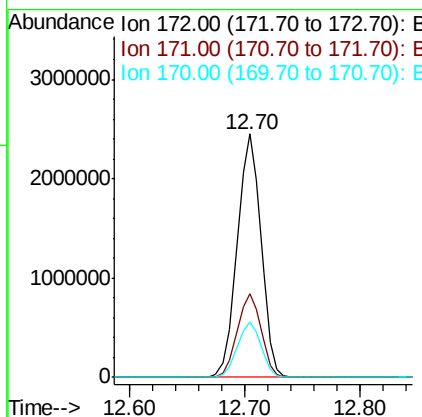
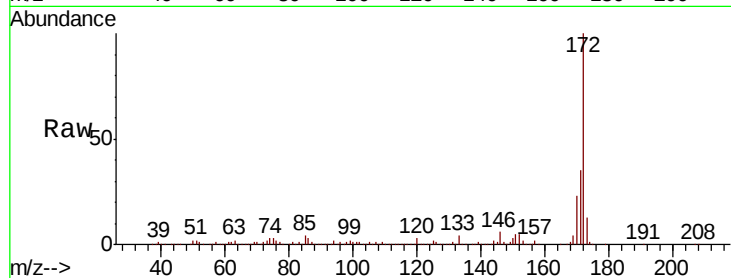




#45
2-Fluorobiphenyl
Concen: 54.877 ng
RT: 12.70 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

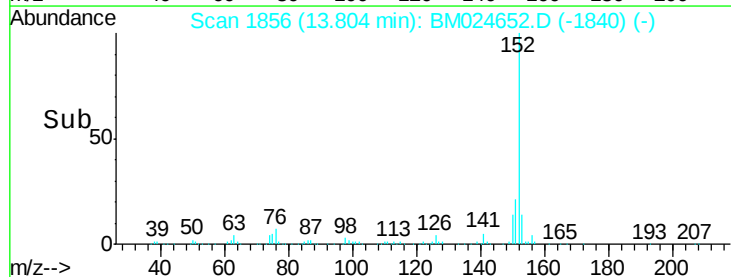
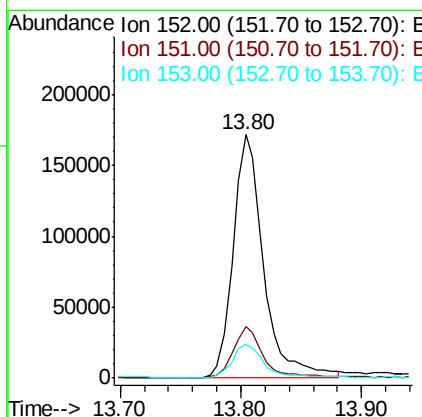
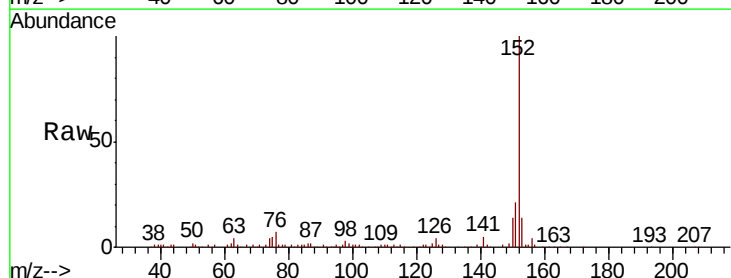
Instrument :
BNA_M
ClientSampleId :

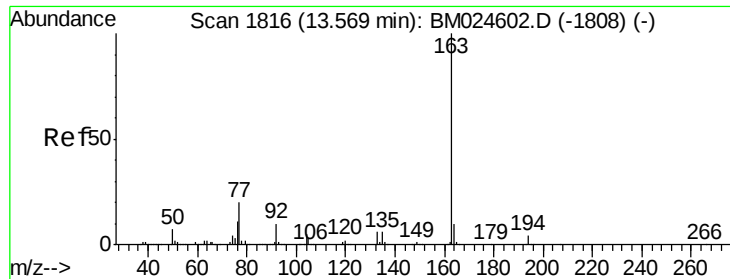
Tot Ion:172 Resp: 3495029
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.9 17.9 26.9



#49
Acenaphthylene
Concen: 3.809 ng
RT: 13.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:152 Resp: 301657
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 14.1 10.4 15.6

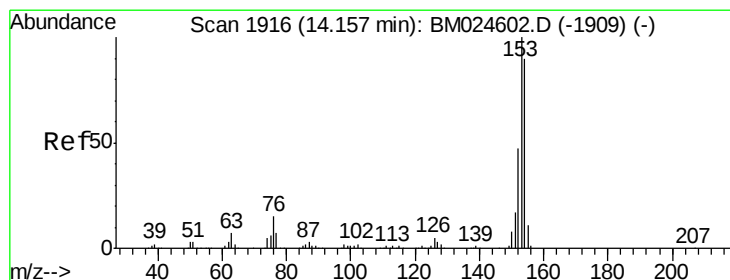
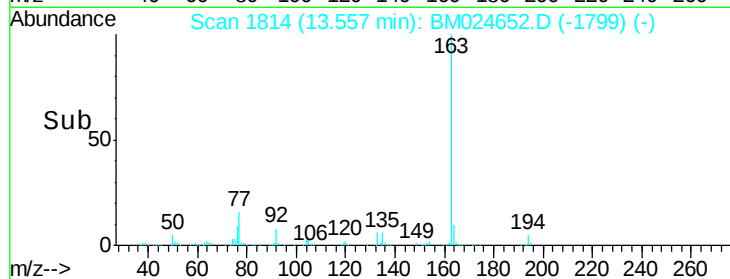
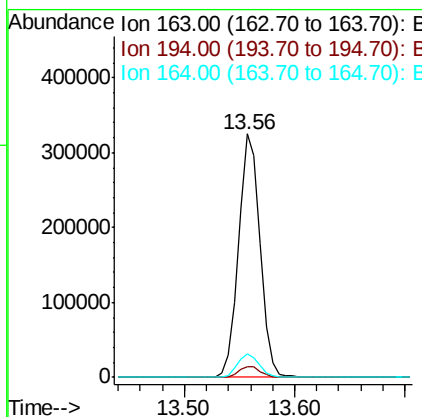
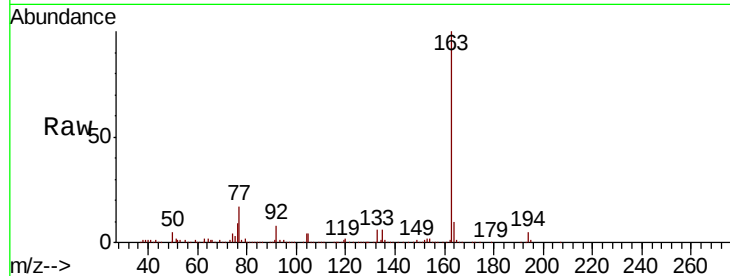




#50
Dimethylphthalate
Concen: 6.382 ng
RT: 13.56 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

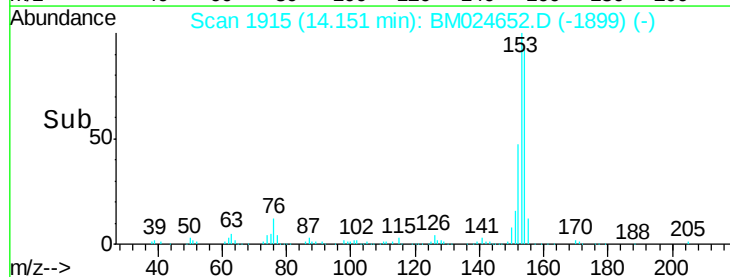
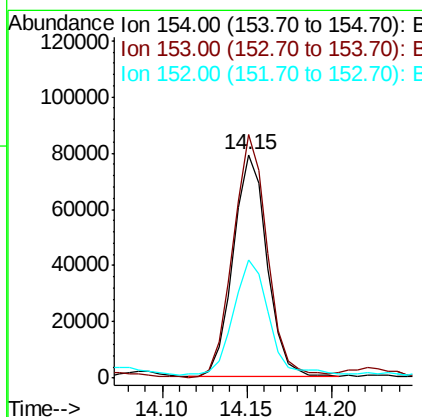
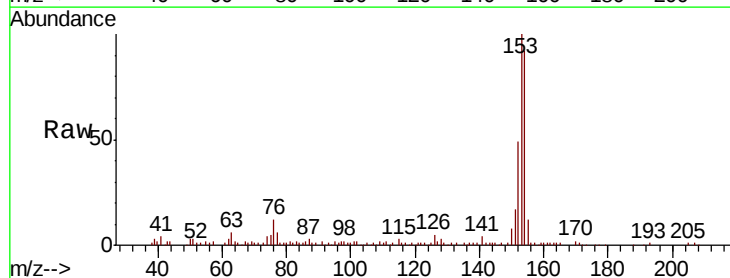
Instrument :
BNA_M
ClientSampleId :

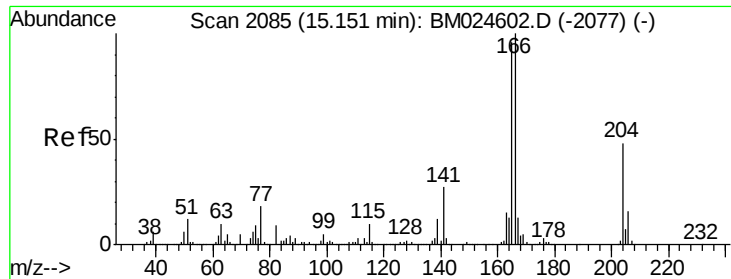
Tot Ion:163 Resp: 446806
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 9.8 8.0 12.0



#52
Acenaphthene
Concen: 2.256 ng
RT: 14.15 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:154 Resp: 110864
Ion Ratio Lower Upper
154 100
153 109.1 89.1 133.7
152 53.1 41.9 62.9

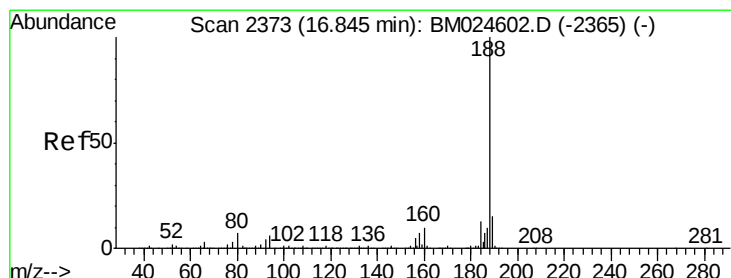
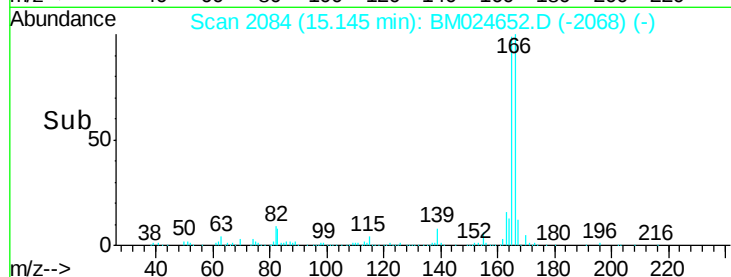
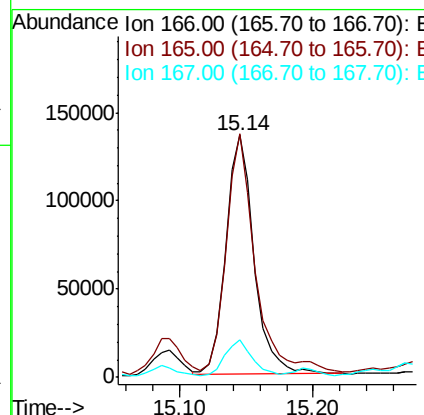
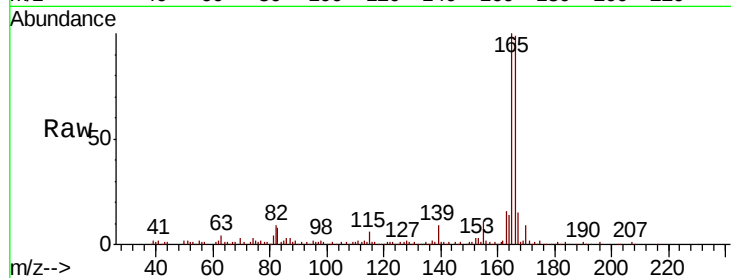




#58
 Fluorene
 Concen: 2.997 ng
 RT: 15.14 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

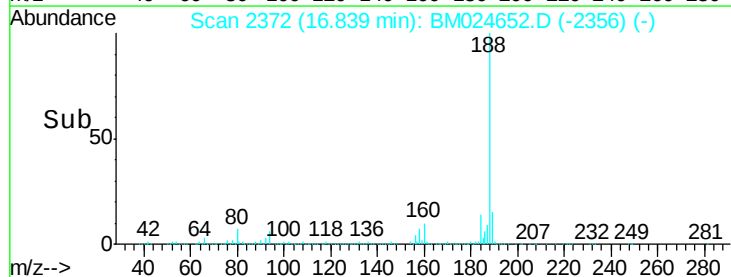
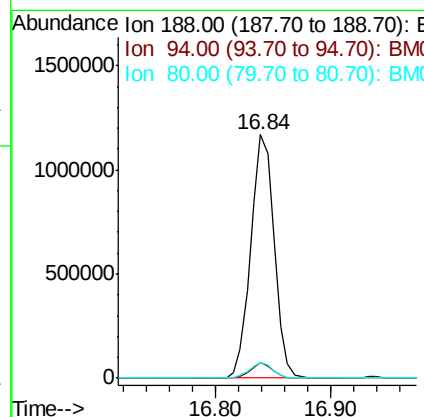
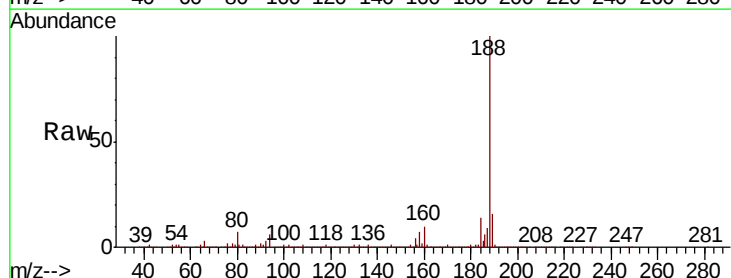
Instrument :
 BNA_M
 ClientSampleId :

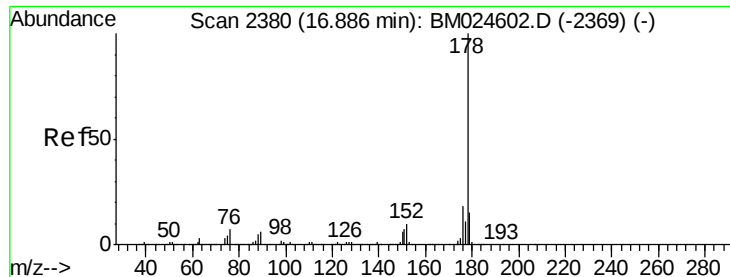
Tot Ion:166 Resp: 201815
 Ion Ratio Lower Upper
 166 100
 165 100.6 76.6 114.8
 167 15.3 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.84 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

Tgt Ion:188 Resp: 1655423
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.0 7.6
 80 6.6 5.8 8.8

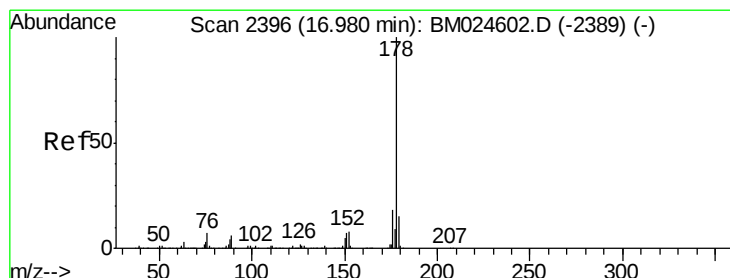
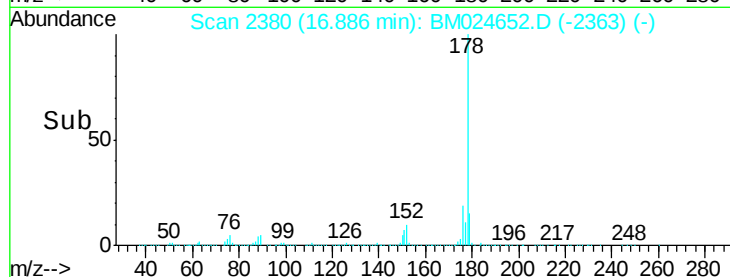
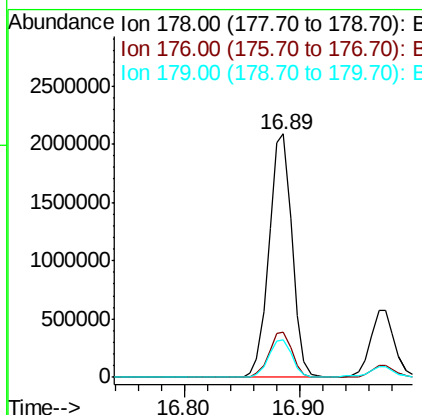
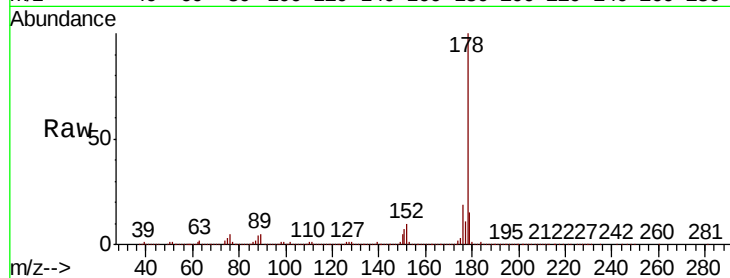




#71
Phenanthrene
Concen: 32.384 ng
RT: 16.89 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

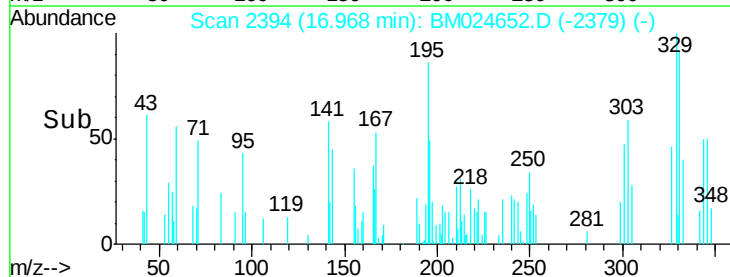
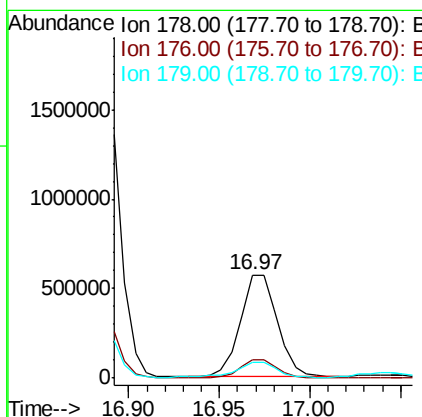
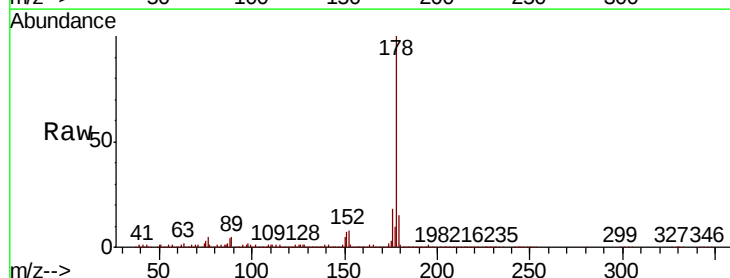
Instrument :
BNA_M
ClientSampleId :

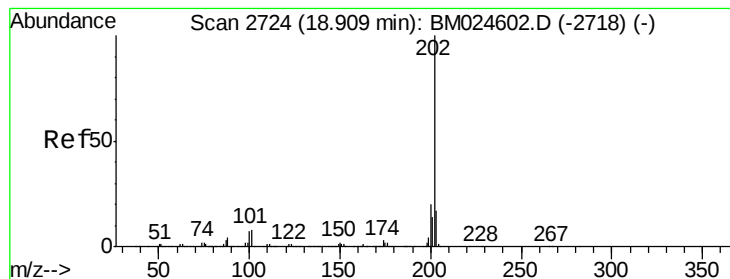
Tot Ion:178 Resp: 2903067
Ion Ratio Lower Upper
178 100
176 18.6 14.5 21.7
179 15.2 11.9 17.9



#72
Anthracene
Concen: 9.283 ng
RT: 16.97 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:178 Resp: 814276
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 15.1 12.1 18.1





#75

Fluoranthene

Concen: 44.931 ng

RT: 18.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

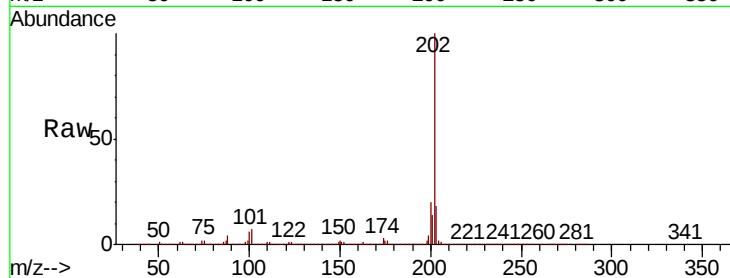
Tot Ion:202 Resp: 5027056

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.4

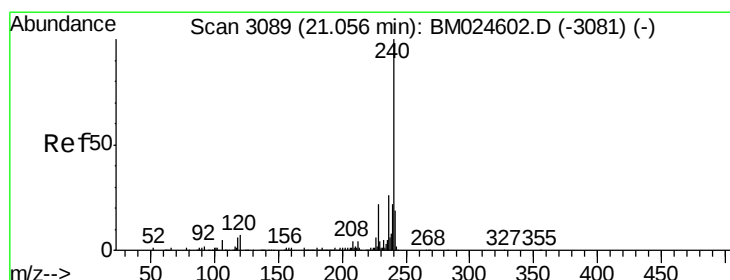
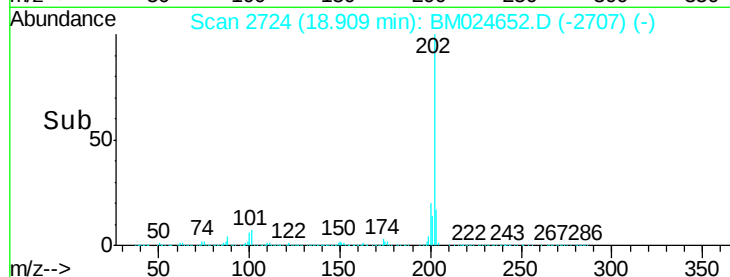
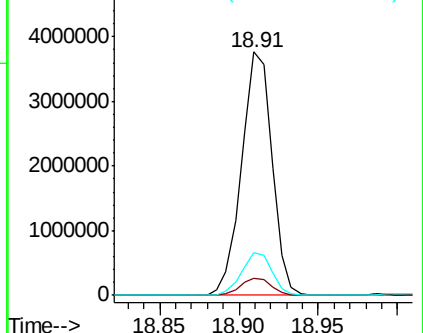
203 17.8 0.0 37.5



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: BM024652.D

Acq: 29 Jan 2020 16:17

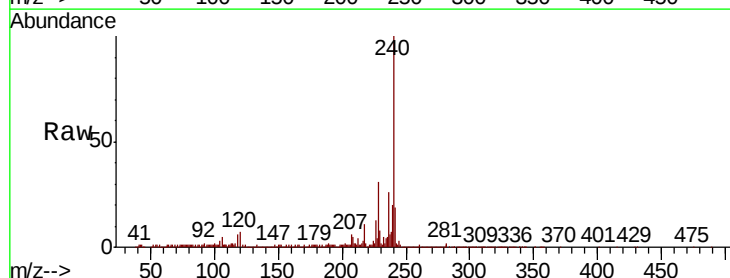
Tgt Ion:240 Resp: 1360921

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

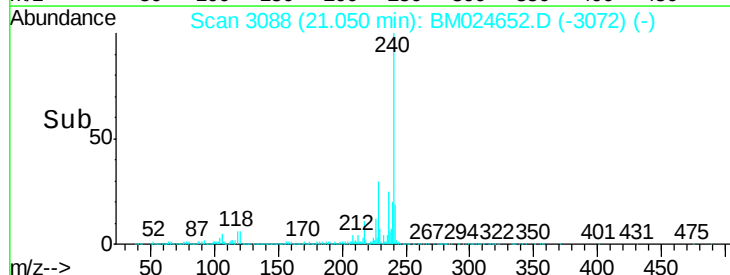
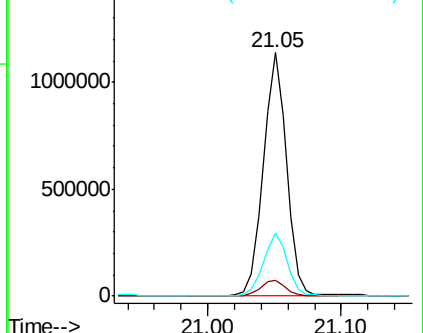
236 25.7 20.6 31.0

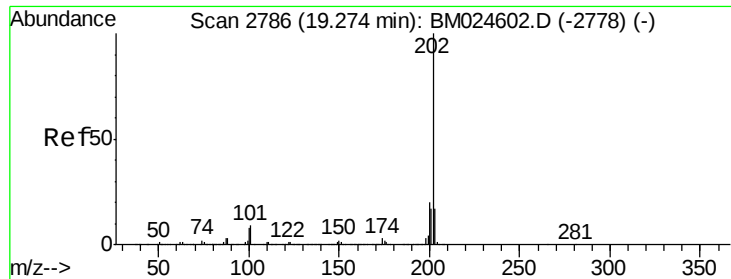


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

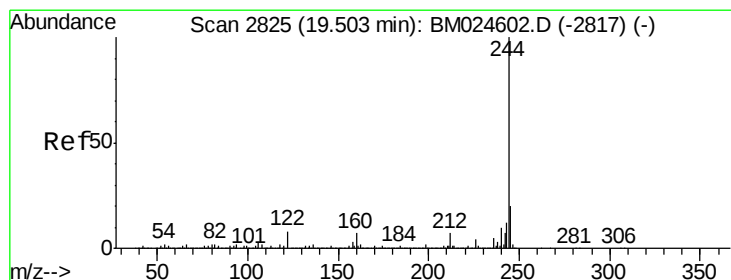
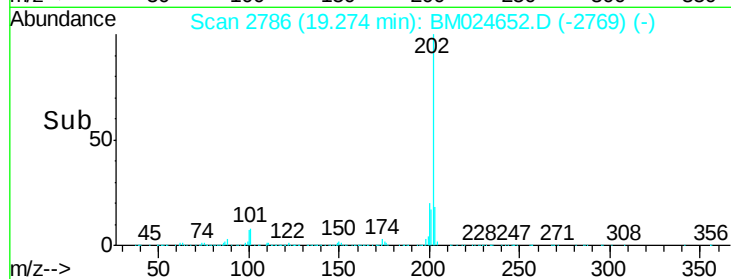
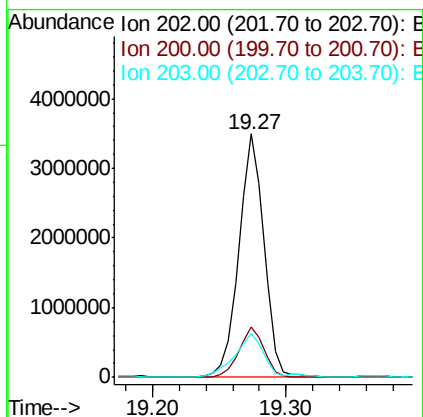
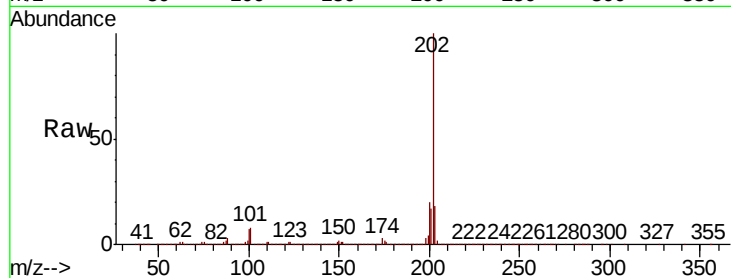




#78
Pvrene
Concen: 50.661 ng
RT: 19.27 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

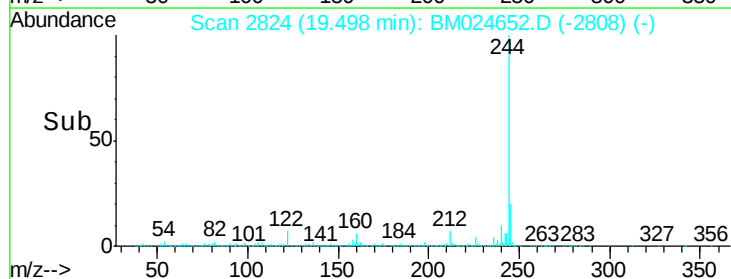
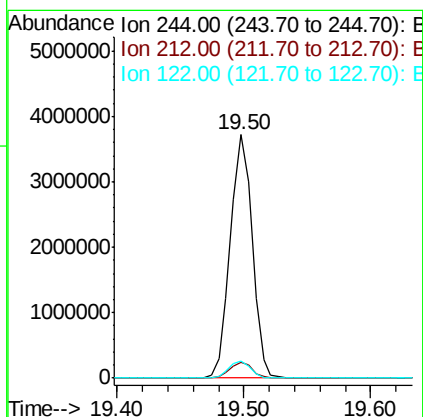
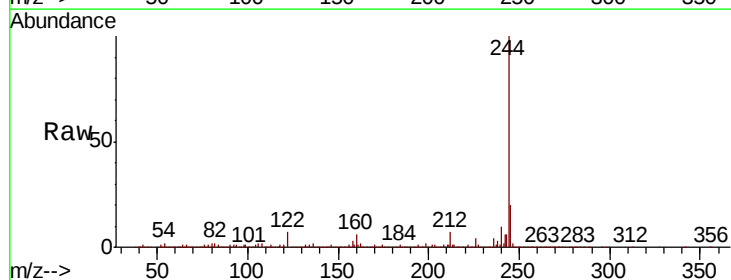
Instrument :
BNA_M
ClientSampleId :

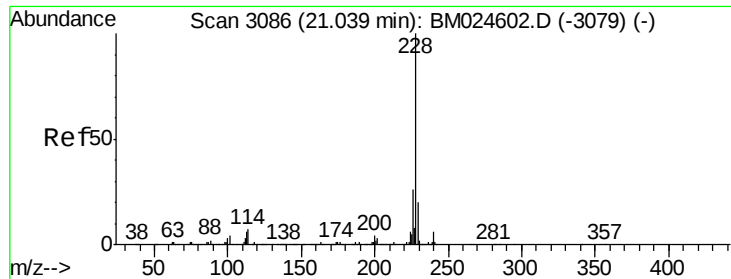
Tot Ion:202 Resp: 4545188
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 18.1 14.0 21.0



#79
Terphenyl-d14
Concen: 61.210 ng
RT: 19.50 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:244 Resp: 4462048
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 7.0 6.2 9.4





#81

Benzo(a)anthracene

Concen: 22.925 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

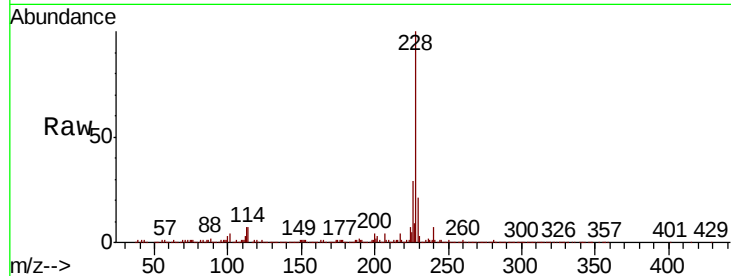
Tot Ion:228 Resp: 2165432

Ion Ratio Lower Upper

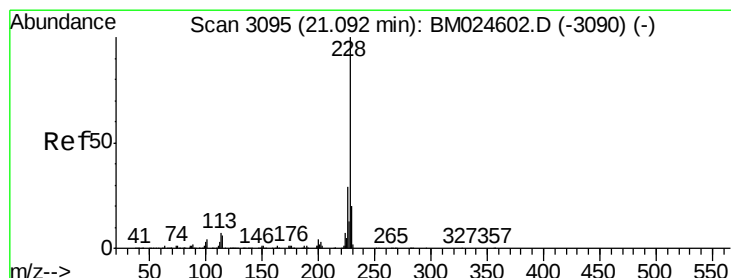
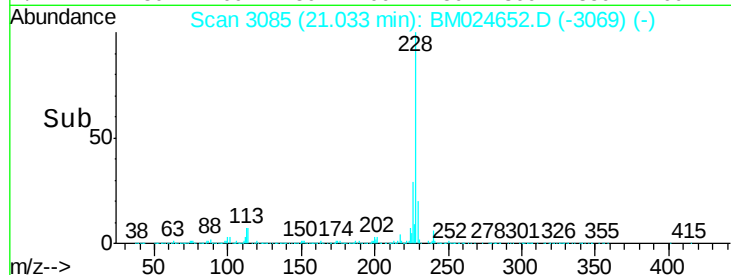
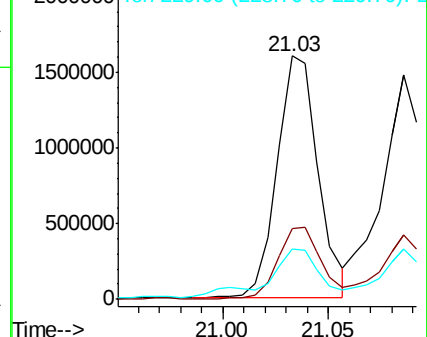
228 100

226 29.2 21.1 31.7

229 20.8 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: 22.187 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

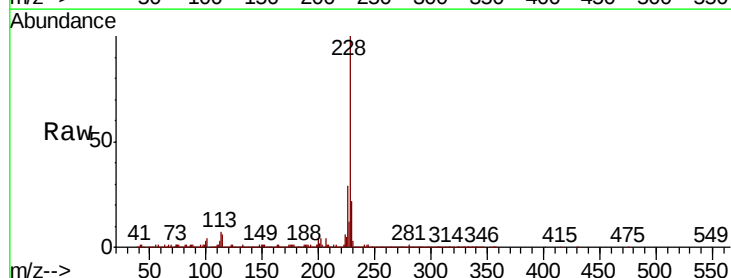
Tgt Ion:228 Resp: 1999759

Ion Ratio Lower Upper

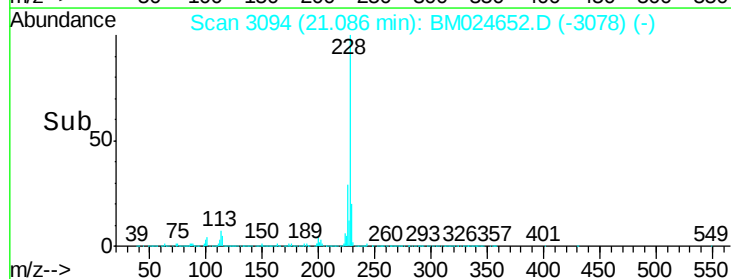
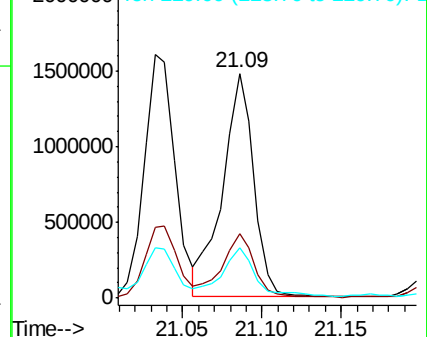
228 100

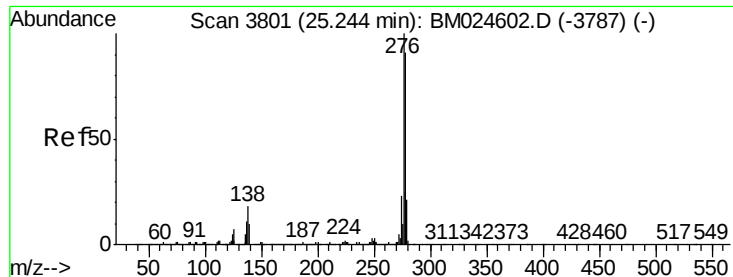
226 28.8 23.2 34.8

229 22.2 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: 11.836 ng

RT: 25.23 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

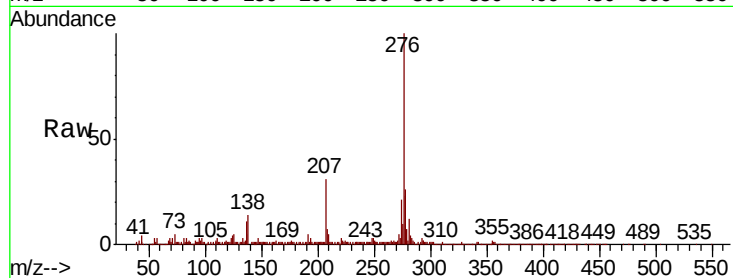
Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1162712

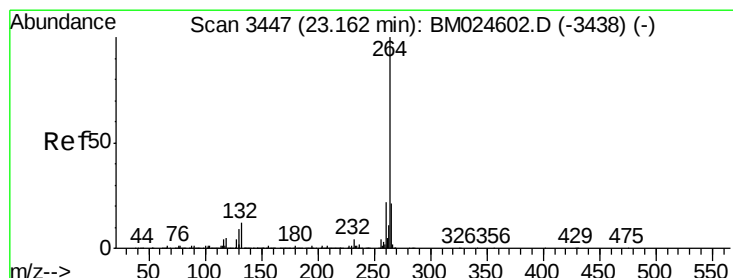
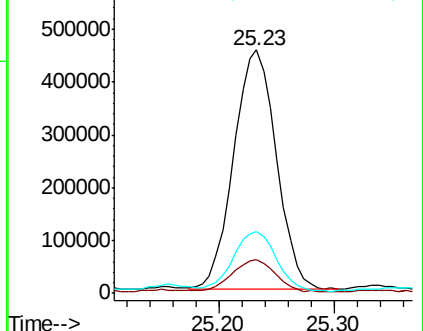
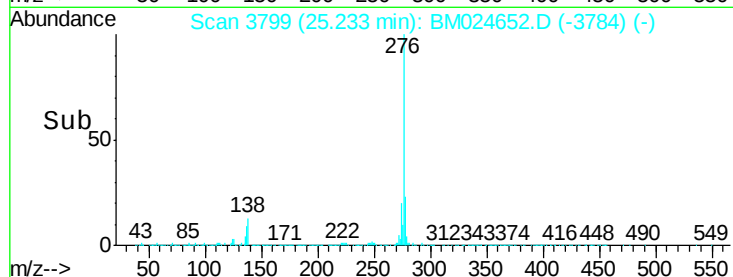
Ion	Ratio	Lower	Upper
276	100		
138	13.7	13.4	20.0
277	25.5	19.6	29.4



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

Perylene-d12

Concen: 20.000 ng

RT: 23.17 min Scan# 3448

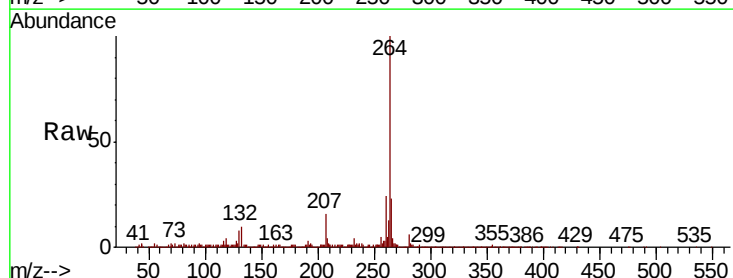
Delta R.T. 0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Tgt Ion:264 Resp: 1594603

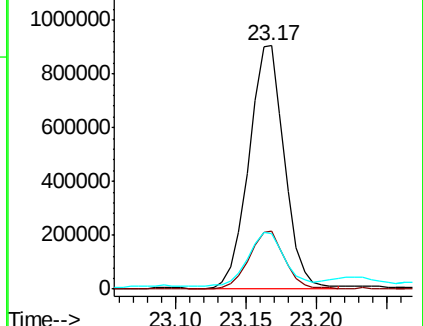
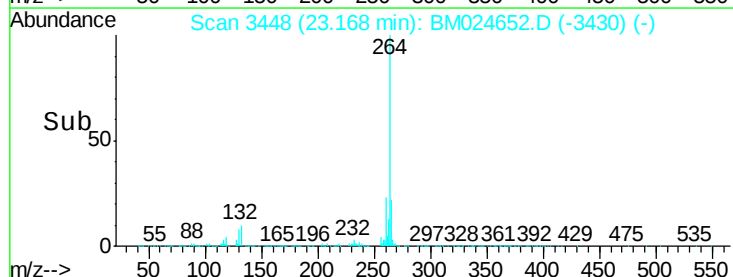
Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	22.6	17.3	25.9

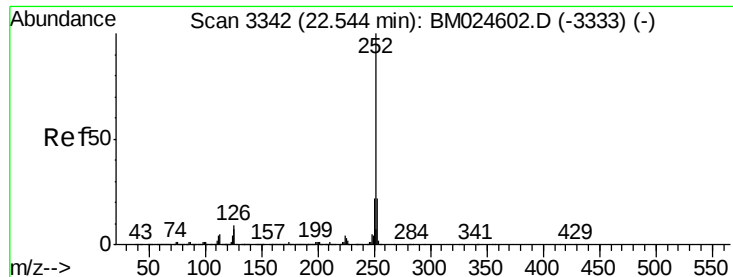


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

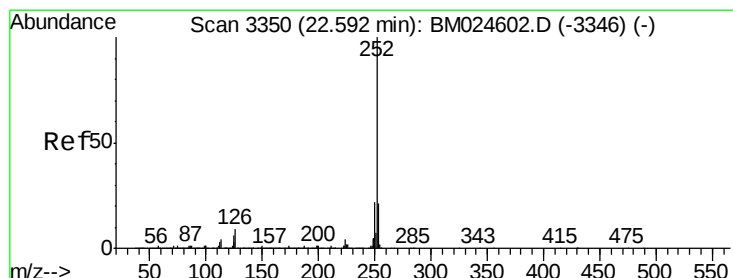
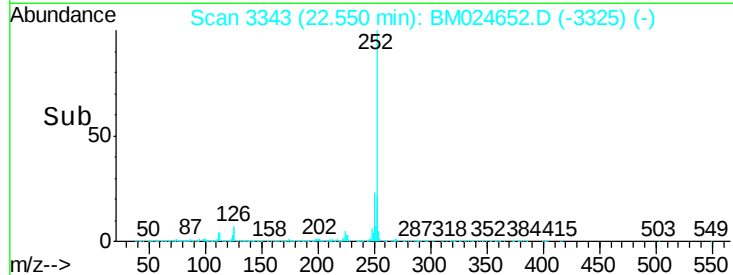
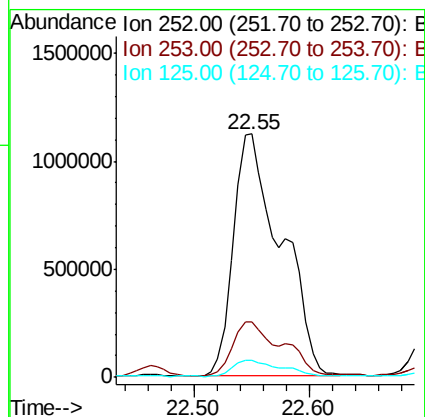
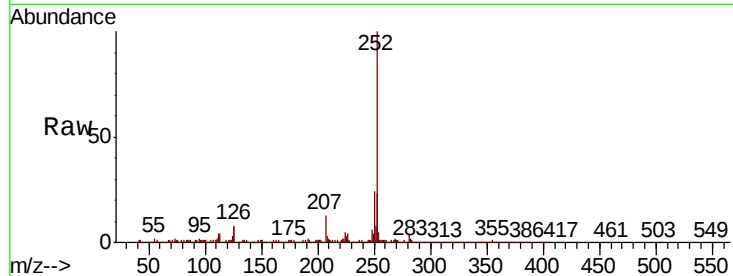




#88
Benzo(b)fluoranthene
Concen: 31.129 ng
RT: 22.55 min Scan# 3343
Delta R.T. 0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

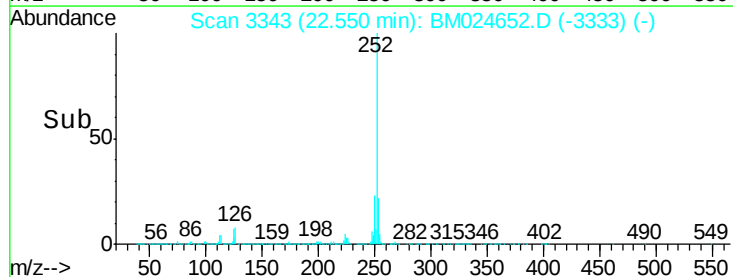
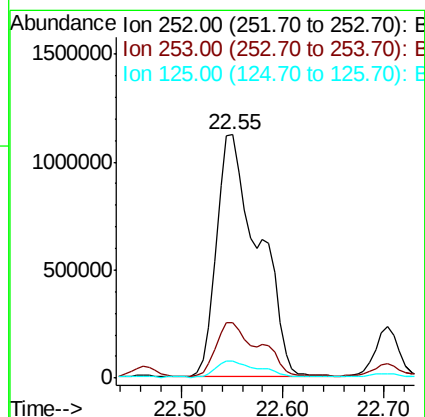
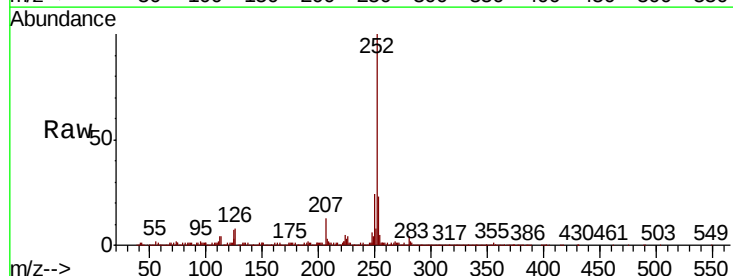
Instrument :
BNA_M
ClientSampled :

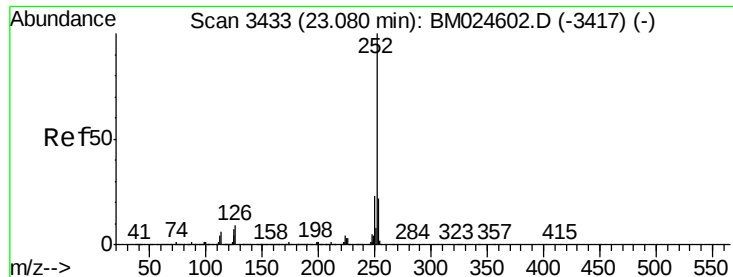
Tot Ion:252 Resp: 3219399
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 6.9 5.7 8.5



#89
Benzo(k)fluoranthene
Concen: 31.663 ng
RT: 22.55 min Scan# 3343
Delta R.T. -0.04 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:252 Resp: 3196355
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 6.9 5.2 7.8





#90

Benzo(a)pyrene

Concen: 19.569 ng

RT: 23.07 min Scan# 3432

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

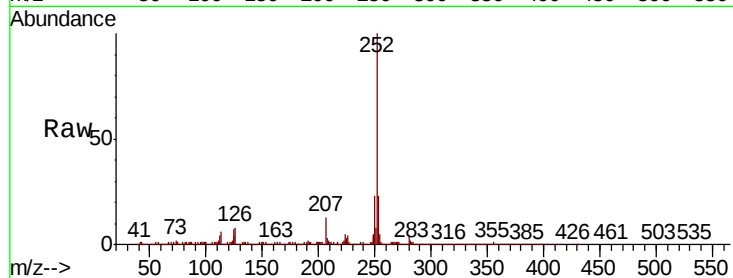
Tot Ion:252 Resp: 1840045

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

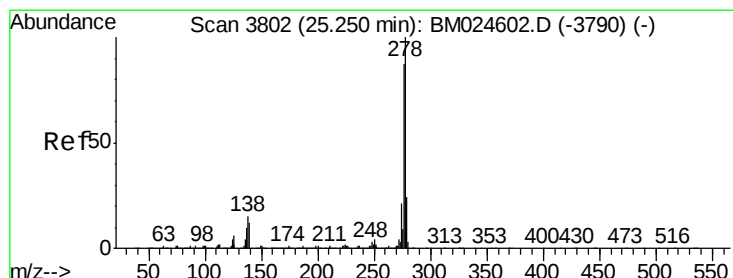
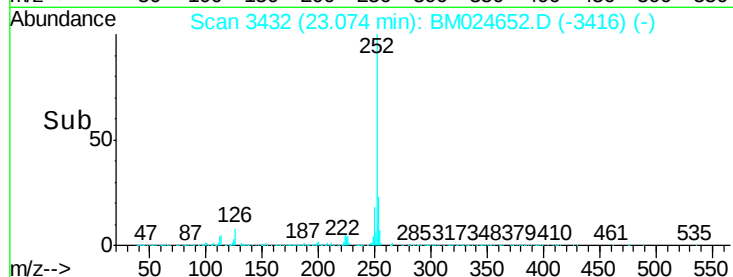
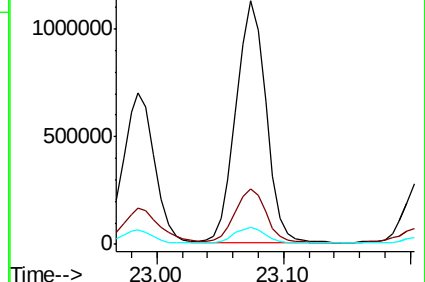
125 6.9 5.8 8.8



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



#91

Dibenzo(a,h)anthracene

Concen: 3.359 ng

RT: 25.24 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

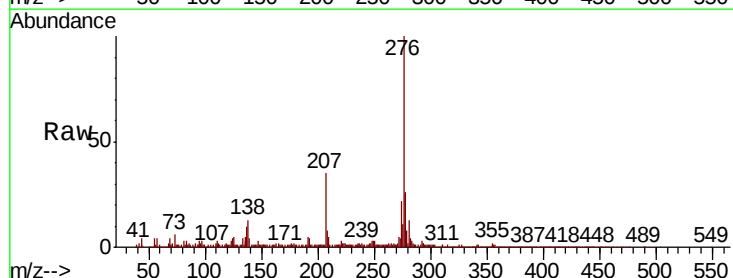
Tgt Ion:278 Resp: 299795

Ion Ratio Lower Upper

278 100

139 15.8 9.3 13.9#

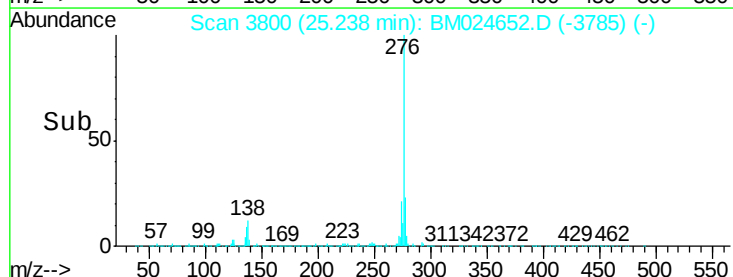
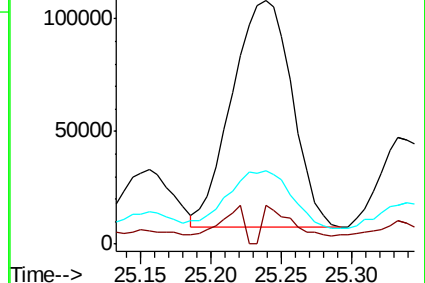
279 30.0 18.9 28.3#

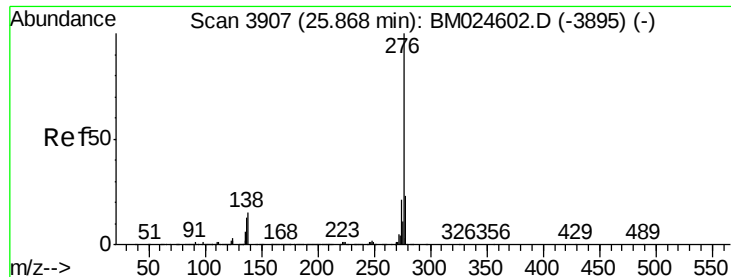


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 14.200 ng

RT: 25.86 min Scan# 3906

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1150697

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 13.6 11.9 17.9

