

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
 Data File : BM024656.D
 Acq On : 29 Jan 2020 18:41
 Operator : CG/JU
 Sample : L1013-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 02:56:41 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

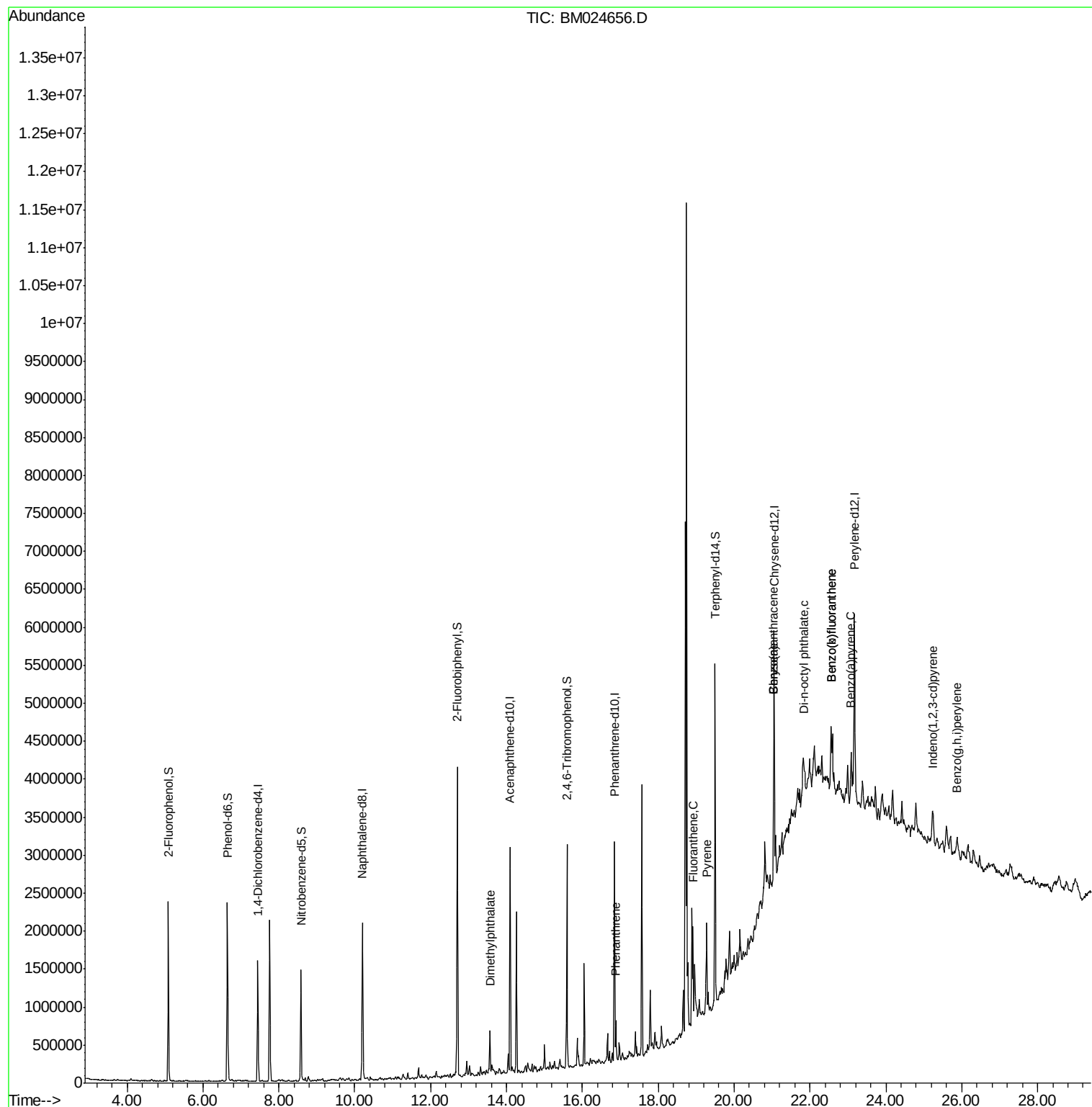
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	440559	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1683333	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	1018027	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1802749	20.00	ng	0.00
76) Chrysene-d12	21.06	240	1419159	20.00	ng	0.00
87) Perylene-d12	23.17	264	1679972	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1017548	43.92	ng	0.00
7) Phenol-d6	6.65	99	1314364	41.19	ng	0.00
23) Nitrobenzene-d5	8.58	82	842632	24.55	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	614355	37.10	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	2218397	29.63	ng	0.00
79) Terphenyl-d14	19.50	244	2307481	30.35	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.56	163	366395	4.451	ng	98
71) Phenanthrene	16.89	178	330332	3.384	ng	97
75) Fluoranthene	18.92	202	806282	6.617	ng	98
78) Pyrene	19.28	202	750519	8.022	ng	99
81) Benzo(a)anthracene	21.04	228	398040	4.041	ng	# 90
83) Chrysene	21.04	228	389798	4.147	ng	93
85) Di-n-octyl phthalate	21.83	149	426086	4.452	ng	# 78
86) Indeno(1,2,3-cd)pyrene	25.25	276	294659	2.876	ng	98
88) Benzo(b)fluoranthene	22.56	252	757734	6.954	ng	# 85
89) Benzo(k)fluoranthene	22.56	252	750616	7.058	ng	# 84
90) Benzo(a)pyrene	23.09	252	422177	4.262	ng	# 85
92) Benzo(a,h,i)perylene	25.88	276	302199	3.540	ng	95

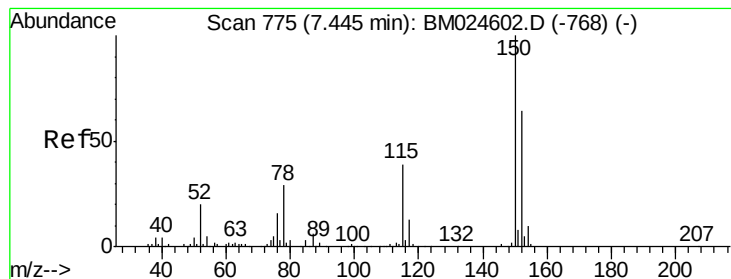
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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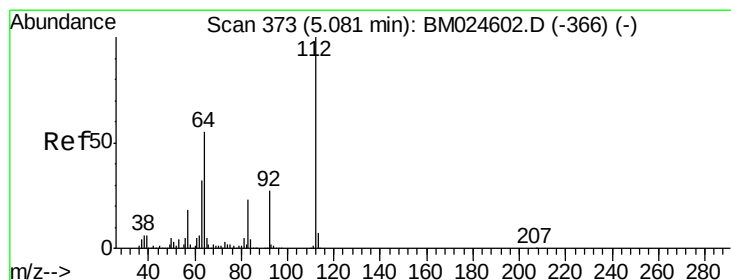
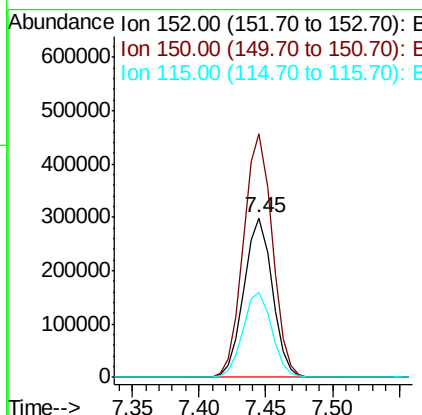
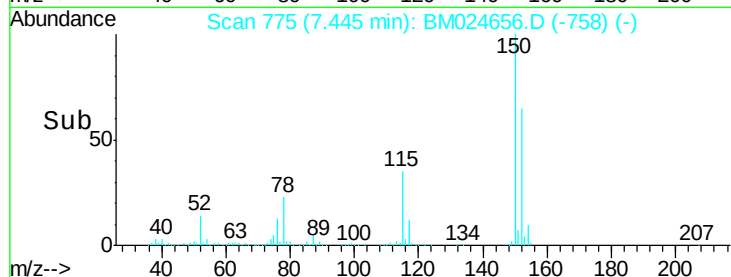
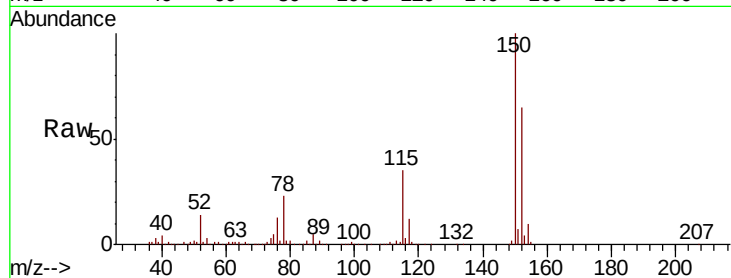


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

Instrument :
BNA_M
ClientSampleId :

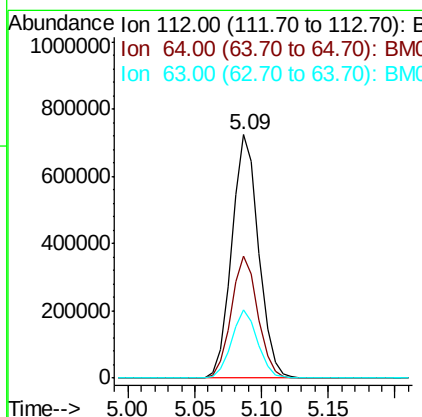
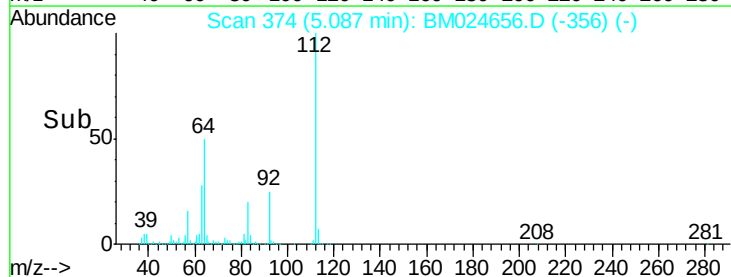
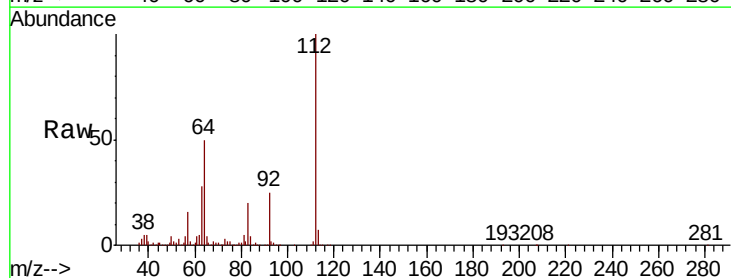
Tot Ion	152	Resp	440559
Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.2	186.4
115	53.0	48.6	72.8

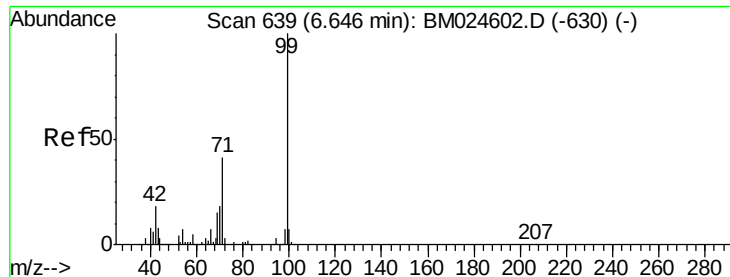


#5

2-Fluorophenol
Concen: 43.924 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

Tgt Ion	112	Resp	1017548
Ion	Ratio	Lower	Upper
112	100		
64	50.2	44.2	66.4
63	28.0	25.9	38.9





#7

Phenol-d6

Concen: 41.186 ng

RT: 6.65 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampled :

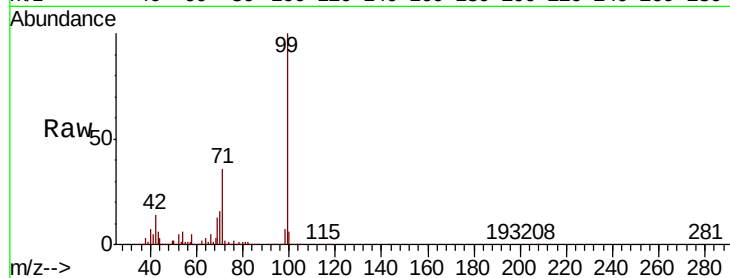
Tot Ion: 99 Resp: 1314364

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

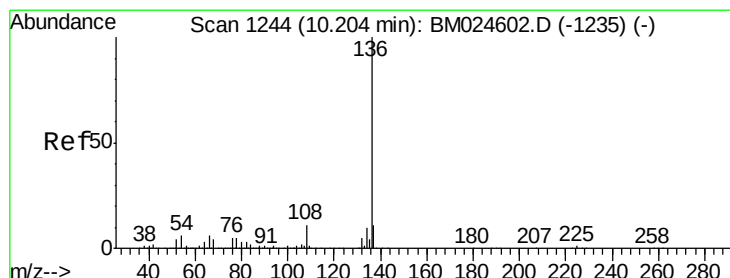
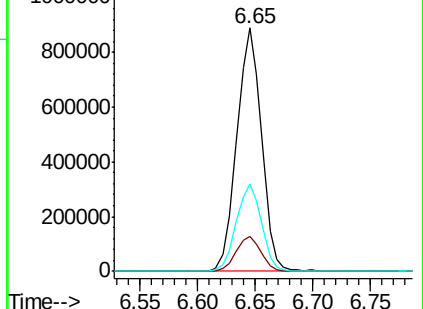
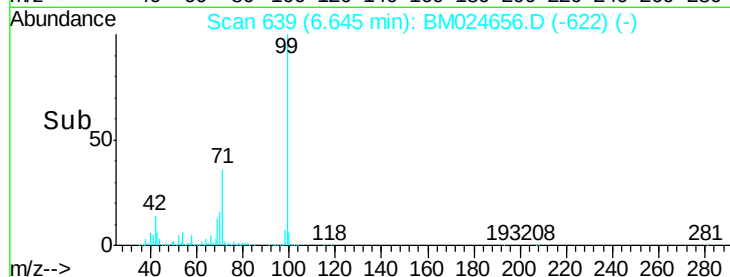
71 36.1 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024656.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024656.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024656.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Tgt Ion: 136 Resp: 1683333

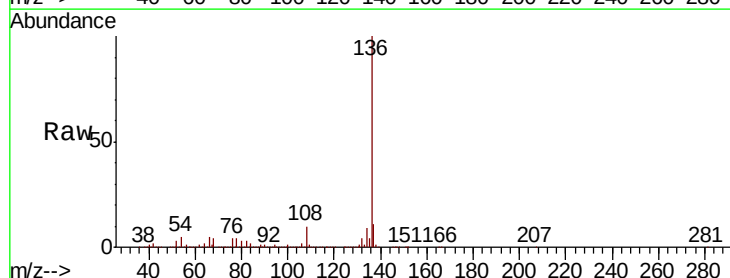
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 4.7 4.5 6.7

68 4.4 3.4 5.0

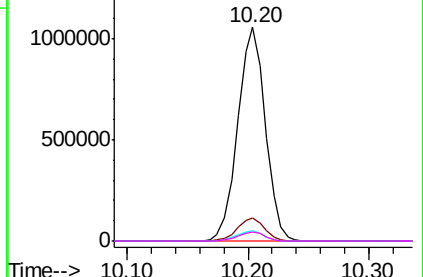
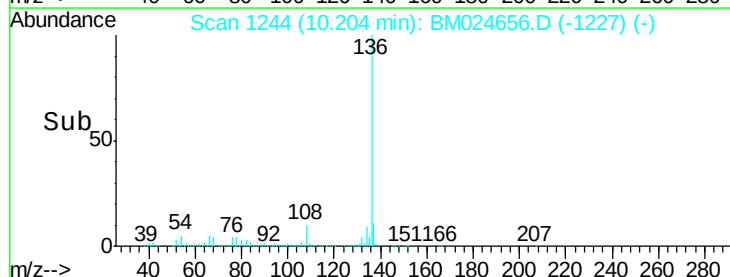


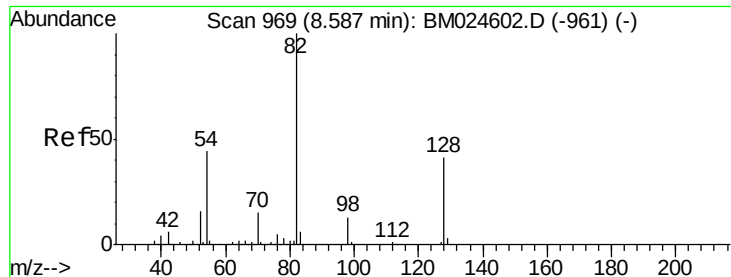
Abundance Ion 136.00 (135.70 to 136.70): BM024656.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024656.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024656.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024656.D (-1227) (-)

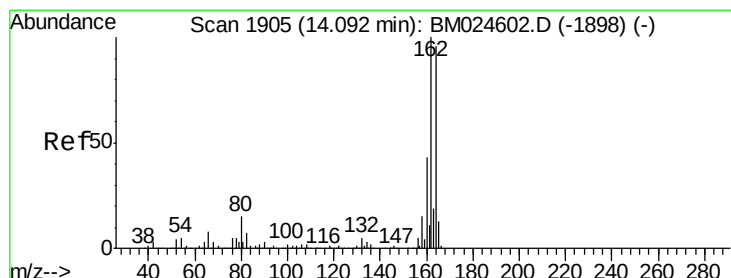
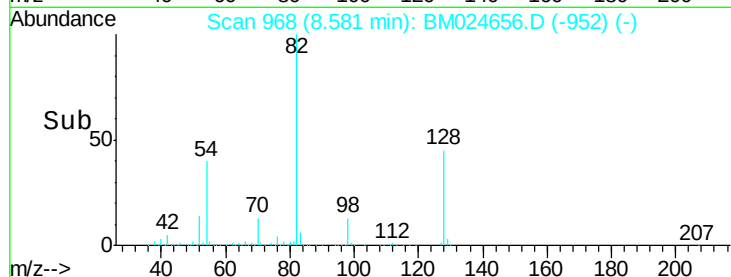
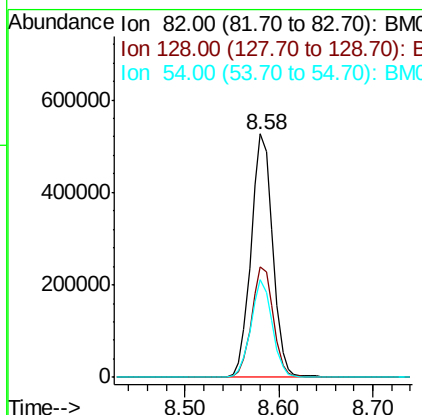
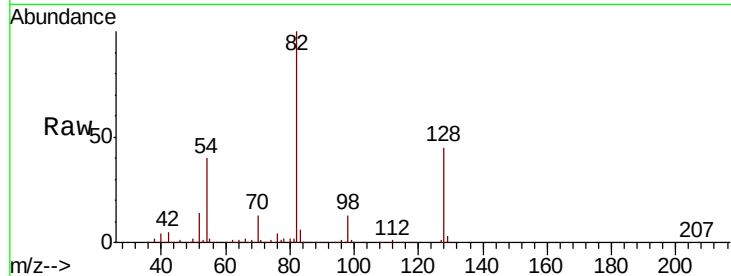




#23
 Nitrobenzene-d5
 Concen: 24.549 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BM024656.D
 Acq: 29 Jan 2020 18:41

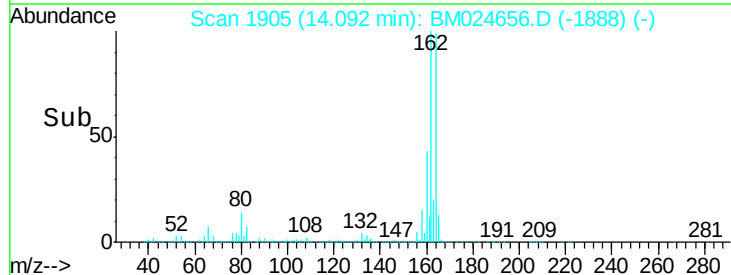
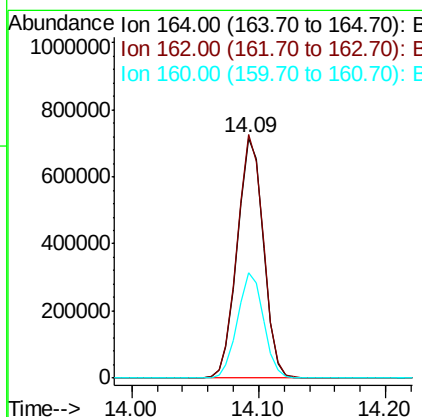
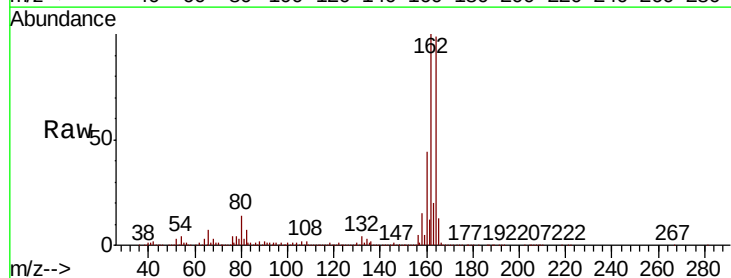
Instrument :
 BNA_M
 ClientSampleId :

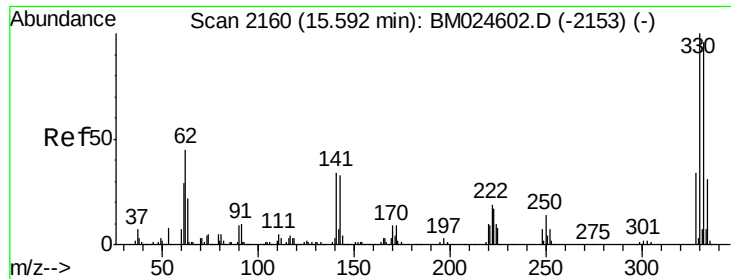
Tot Ion	82	Resp	842632
Ion Ratio	Lower	Upper	
82	100		
128	45.2	32.6	48.8
54	40.2	34.8	52.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1905
 Delta R.T. -0.00 min
 Lab File: BM024656.D
 Acq: 29 Jan 2020 18:41

Tgt Ion	164	Resp	1018027
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.9	124.3
160	44.1	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 37.099 ng

RT: 15.59 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

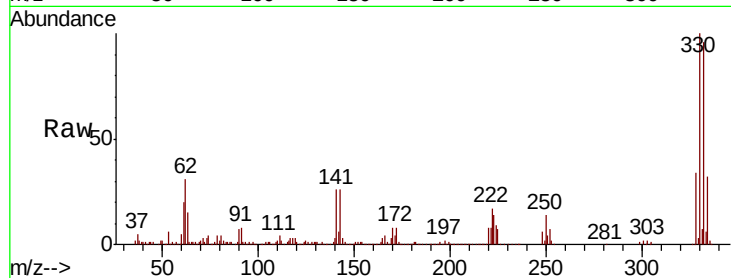
Tot Ion:330 Resp: 614355

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

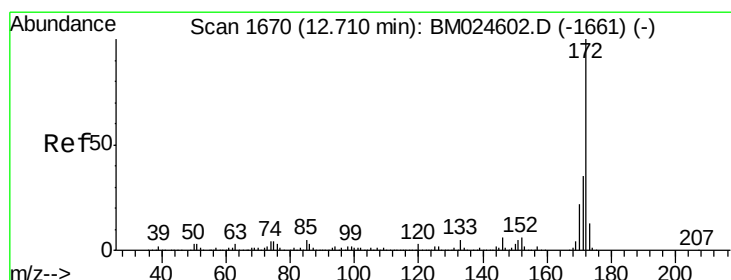
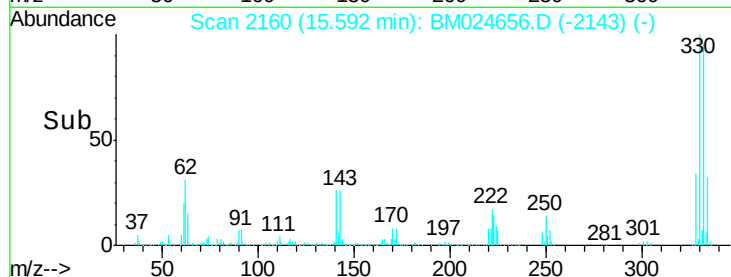
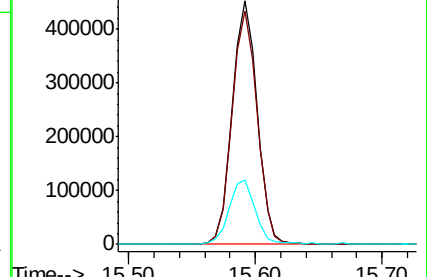
141 27.1 26.9 40.3



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: 29.625 ng

RT: 12.70 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

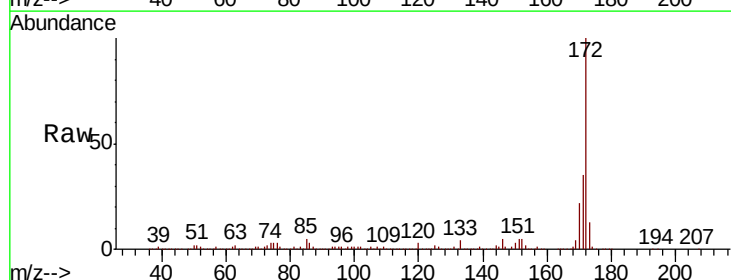
Tgt Ion:172 Resp: 2218397

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

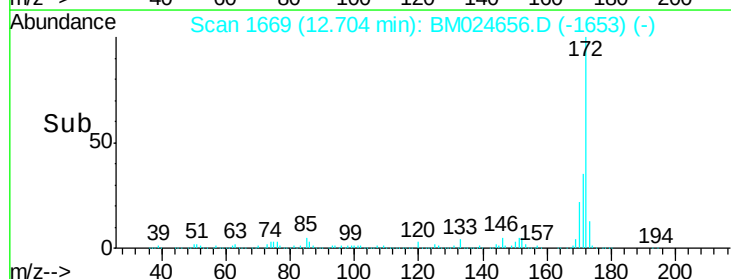
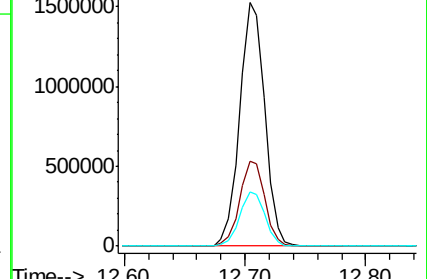
170 22.2 17.9 26.9

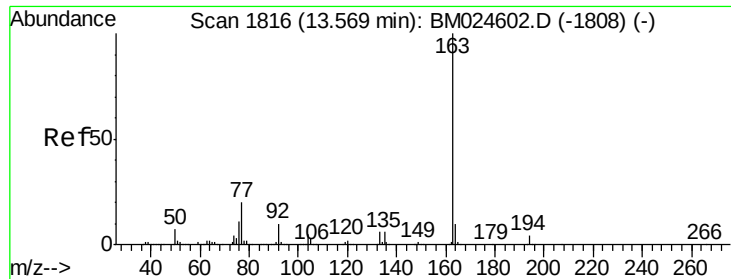


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.451 ng

RT: 13.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

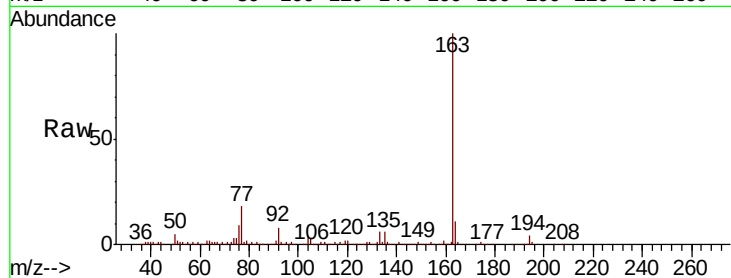
Tot Ion:163 Resp: 366395

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

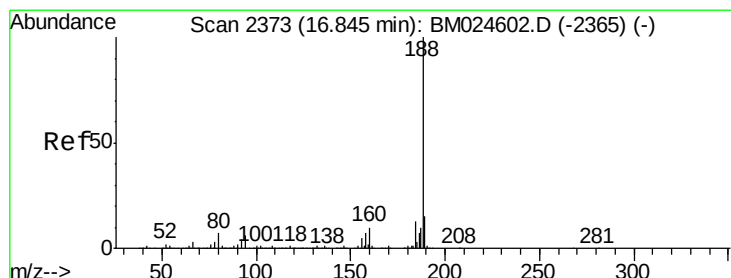
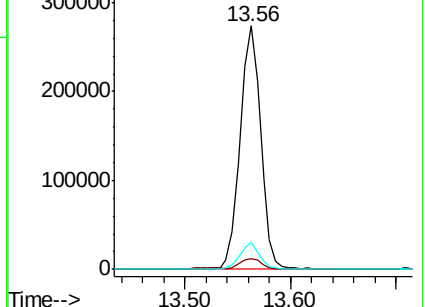
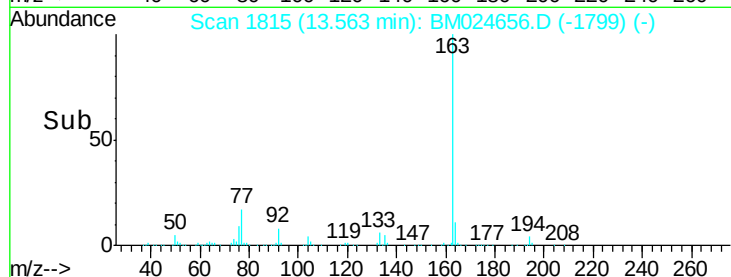
164 11.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.84 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

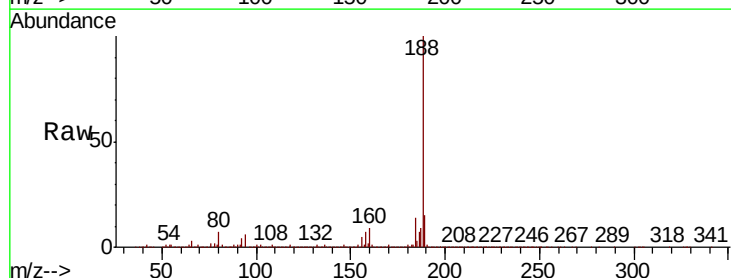
Tgt Ion:188 Resp: 1802749

Ion Ratio Lower Upper

188 100

94 6.3 5.0 7.6

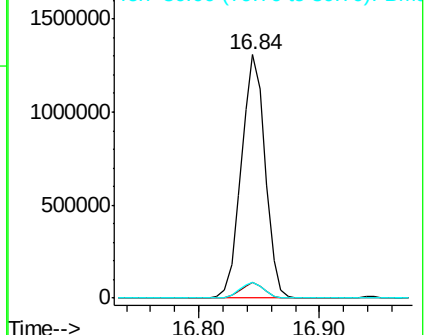
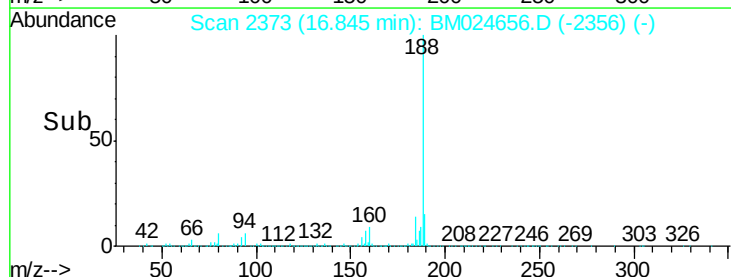
80 6.5 5.8 8.8

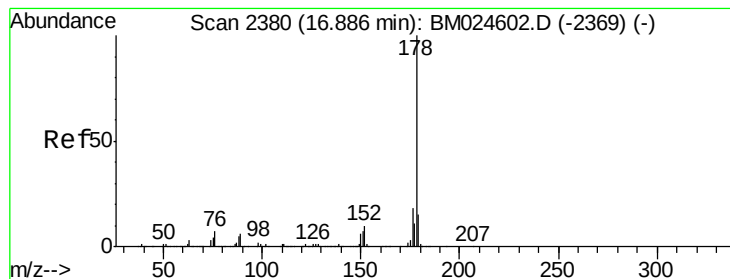


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 3.384 ng

RT: 16.89 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

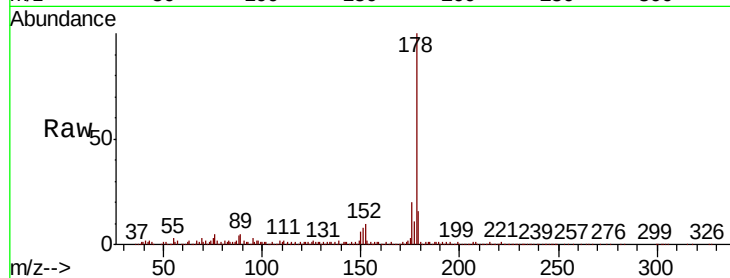
Tot Ion:178 Resp: 330332

Ion Ratio Lower Upper

178 100

176 19.8 14.5 21.7

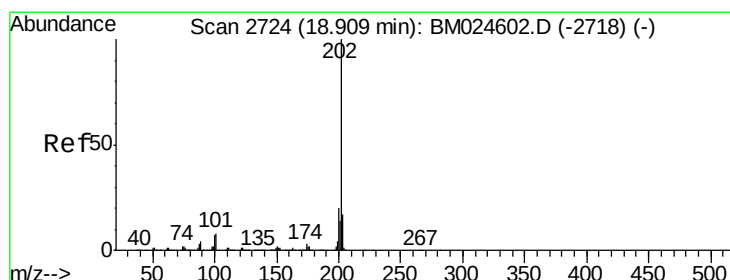
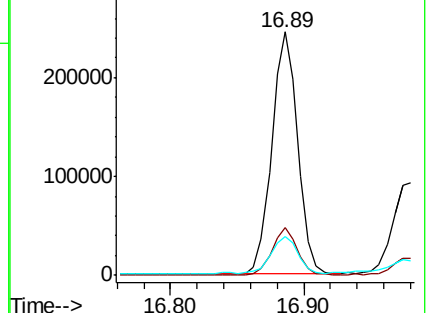
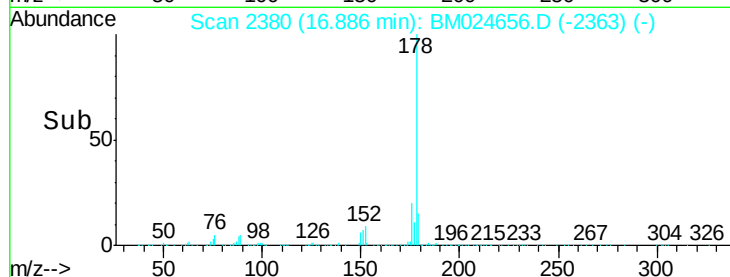
179 15.9 11.9 17.9



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: 6.617 ng

RT: 18.92 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

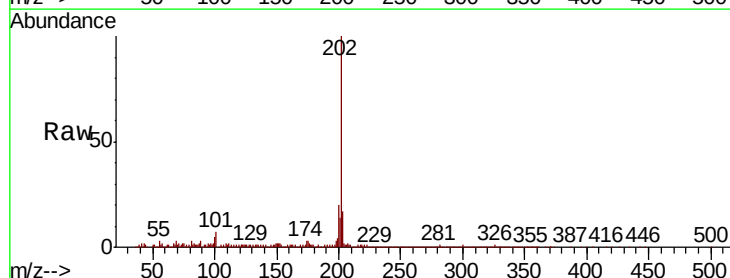
Tgt Ion:202 Resp: 806282

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.4

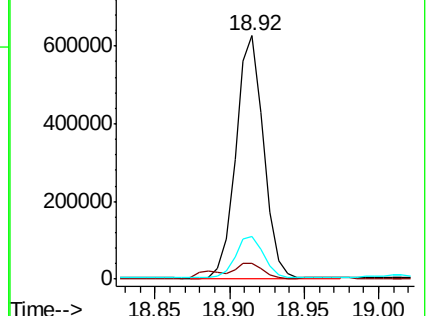
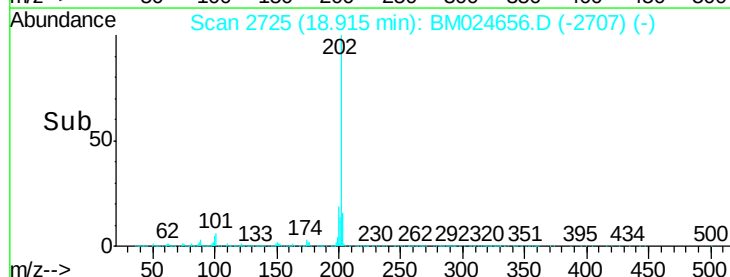
203 17.4 0.0 37.5

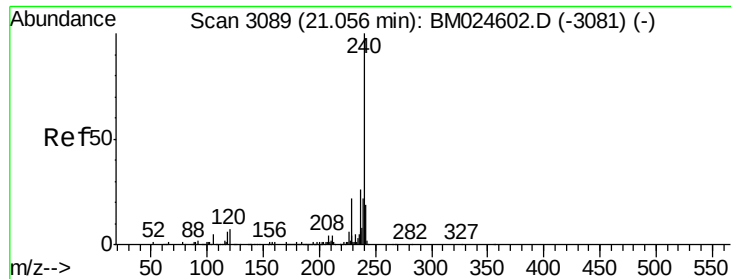


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

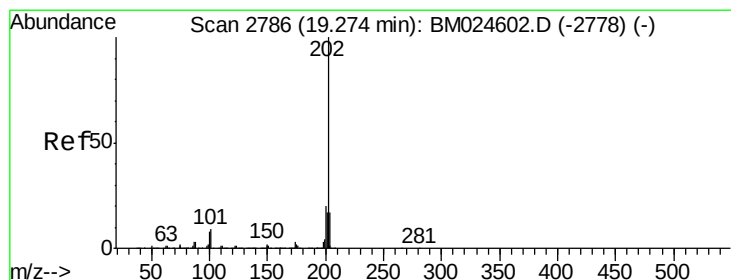
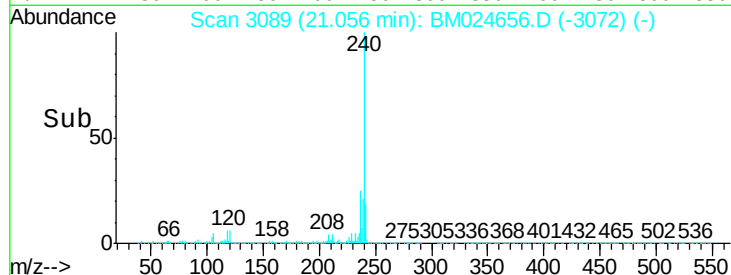
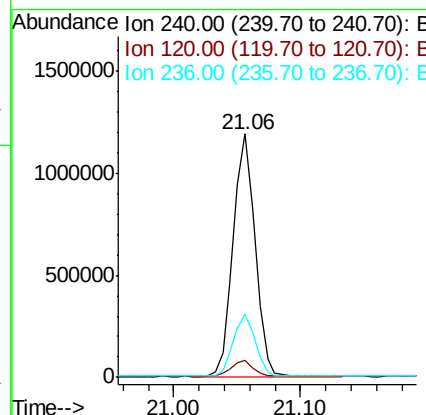
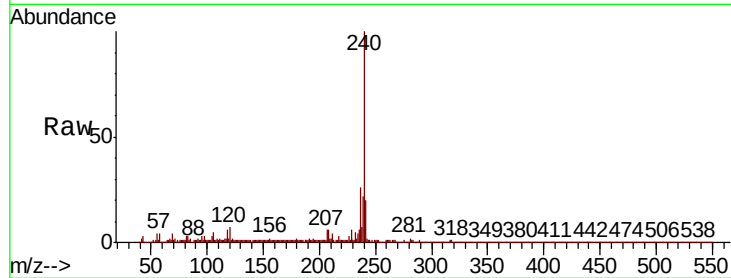




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

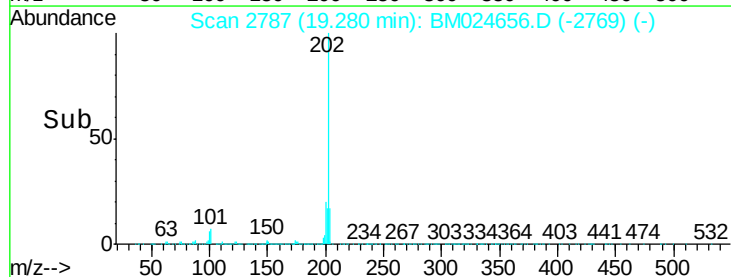
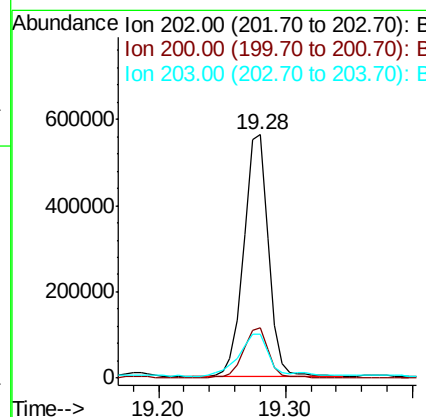
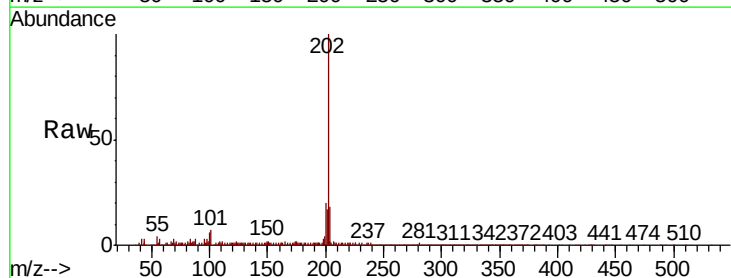
Instrument :
BNA_M
ClientSampleId :

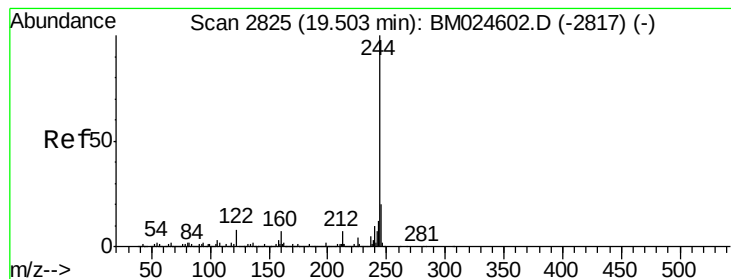
Tot Ion:240 Resp: 1419159
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 25.9 20.6 31.0



#78
Pyrene
Concen: 8.022 ng
RT: 19.28 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

Tgt Ion:202 Resp: 750519
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 17.9 14.0 21.0





#79

Terphenyl-d14

Concen: 30.355 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

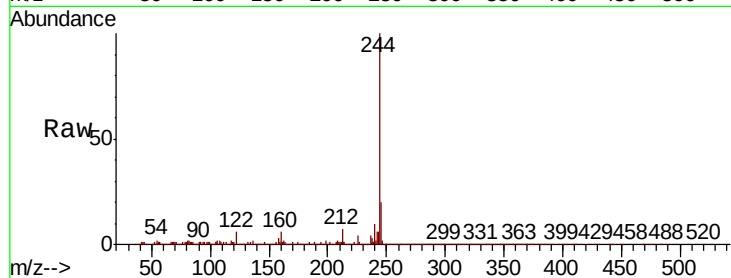
Tot Ion:244 Resp: 2307481

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

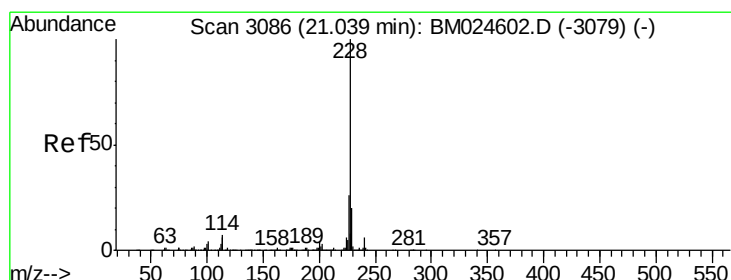
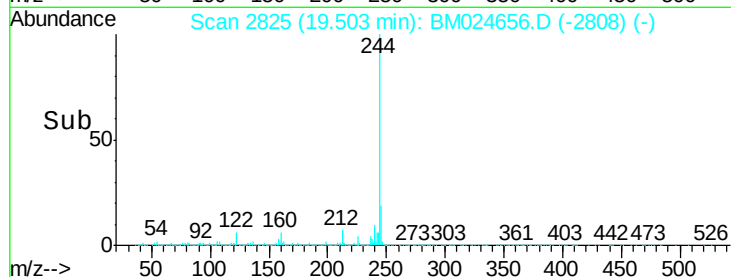
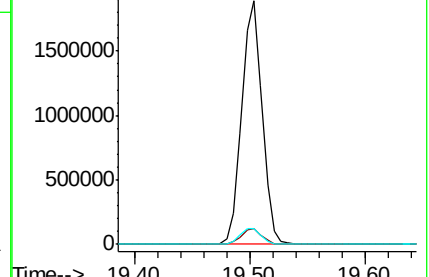
122 6.5 6.2 9.4



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: 4.041 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.00 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

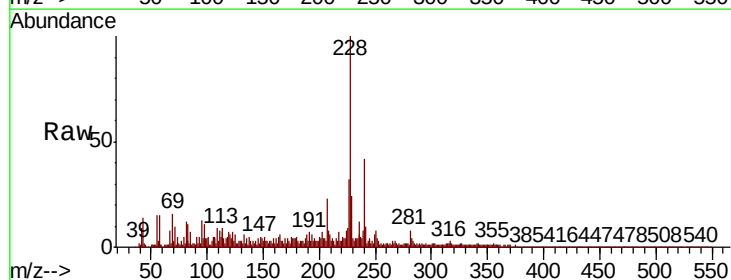
Tgt Ion:228 Resp: 398040

Ion Ratio Lower Upper

228 100

226 32.4 21.1 31.7#

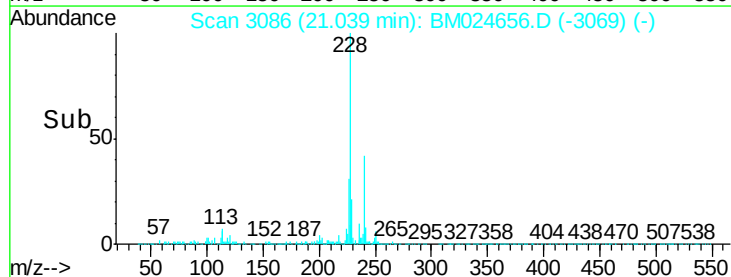
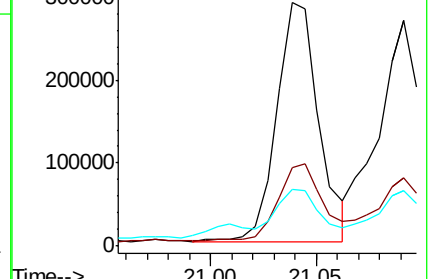
229 23.5 15.8 23.6

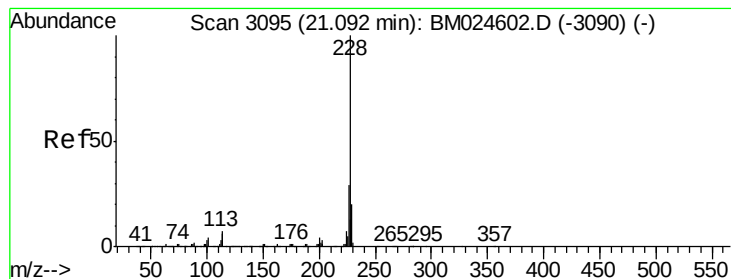


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.147 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.05 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

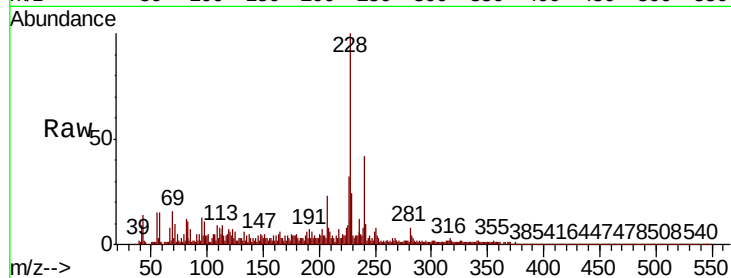
Tot Ion:228 Resp: 389798

Ion Ratio Lower Upper

228 100

226 32.4 23.2 34.8

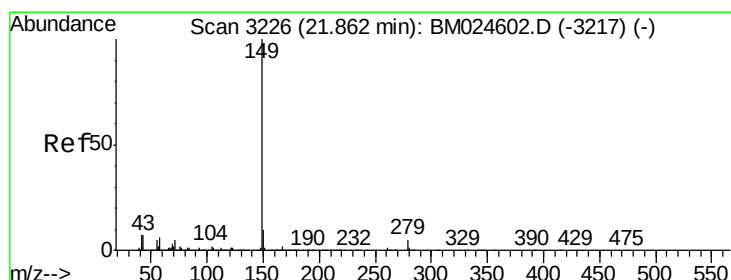
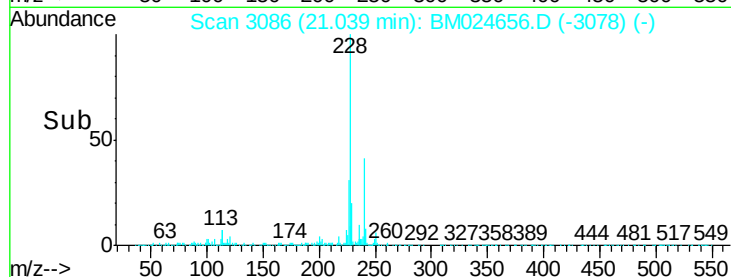
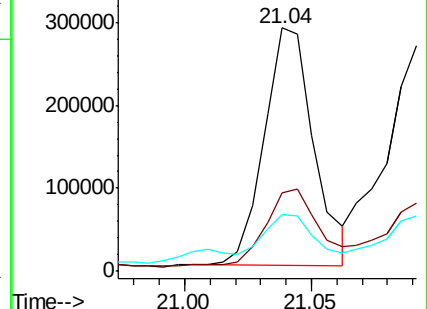
229 23.5 15.7 23.5



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



#85

Di-n-octyl phthalate

Concen: 4.452 ng

RT: 21.83 min Scan# 3221

Delta R.T. -0.03 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

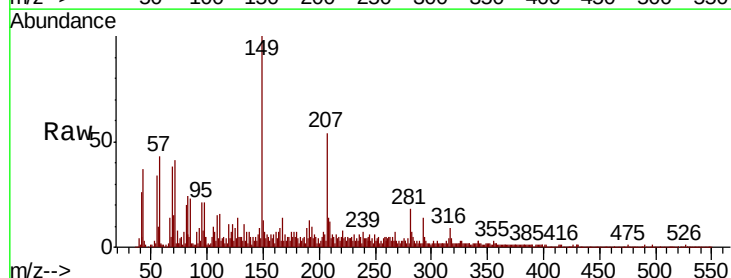
Tgt Ion:149 Resp: 426086

Ion Ratio Lower Upper

149 100

167 7.2 1.3 1.9#

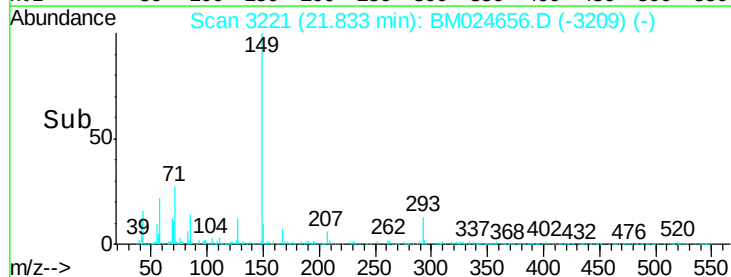
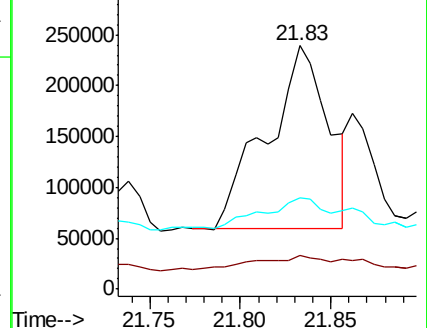
43 15.2 5.8 8.6#

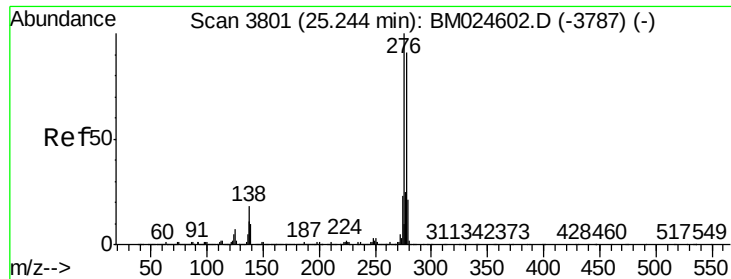


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.876 ng

RT: 25.25 min Scan# 3802

Delta R.T. 0.01 min

Lab File: BM024656.D

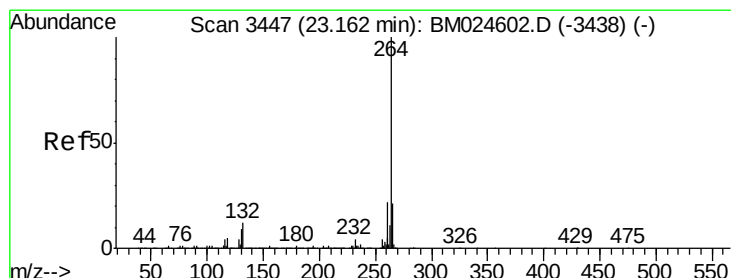
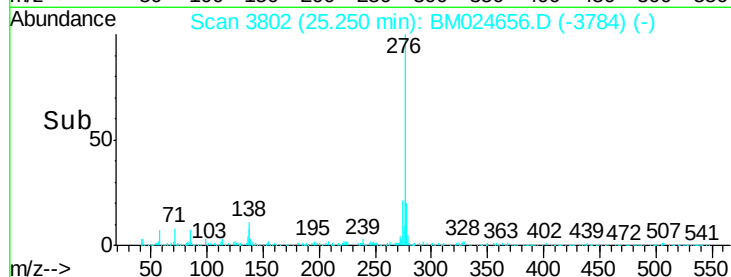
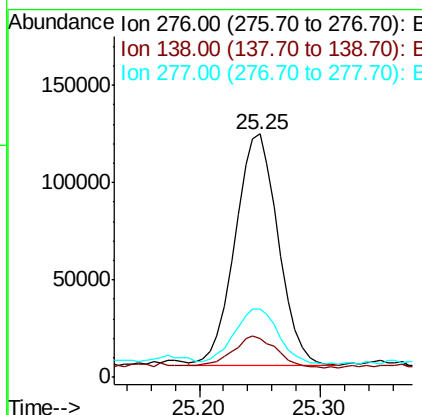
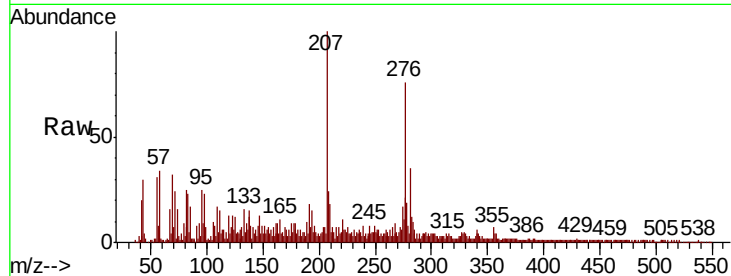
Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276	Resp:	294659
Ion	Ratio	Lower Upper
276	100	
138	15.1	13.4 20.0
277	25.0	19.6 29.4



#87

Perylene-d12

Concen: 20.000 ng

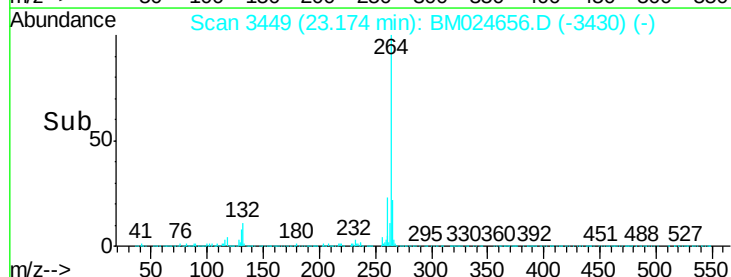
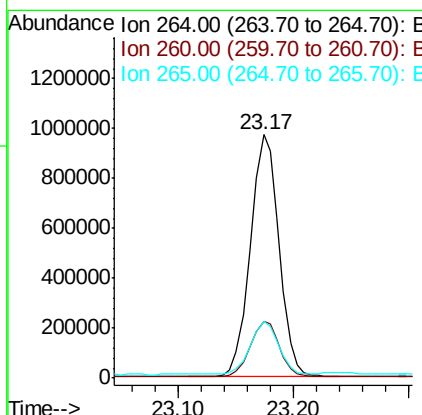
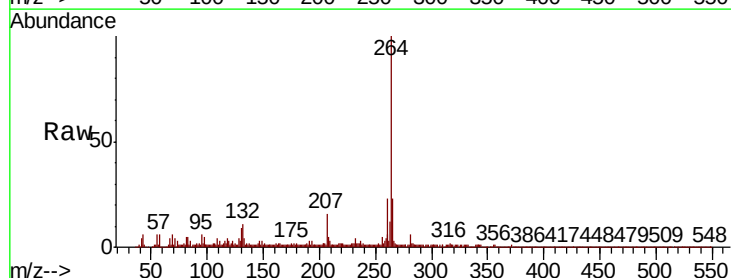
RT: 23.17 min Scan# 3449

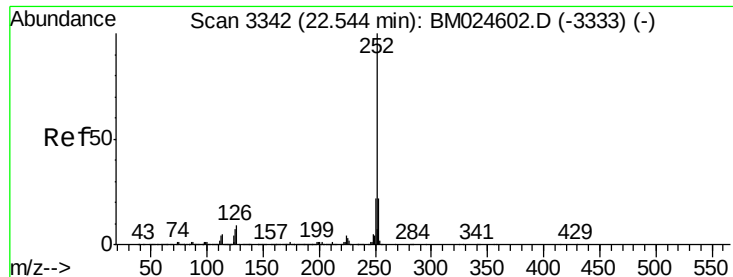
Delta R.T. 0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Tgt Ion:264	Resp:	1679972
Ion	Ratio	Lower Upper
264	100	
260	23.3	17.9 26.9
265	23.1	17.3 25.9

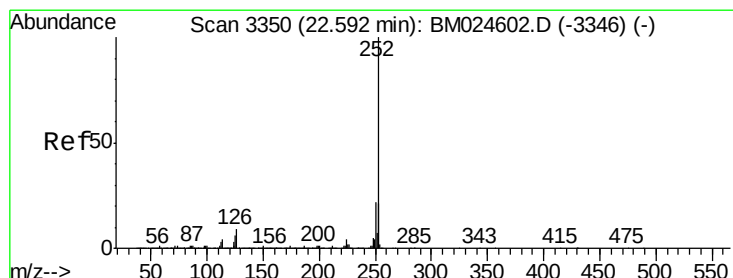
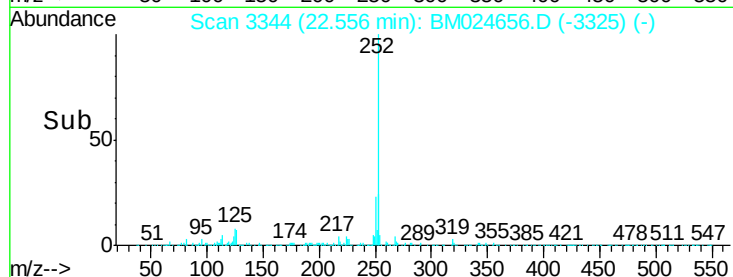
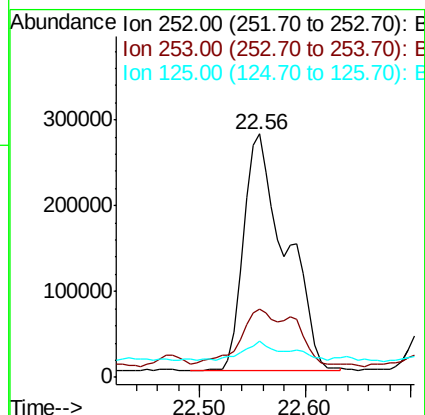
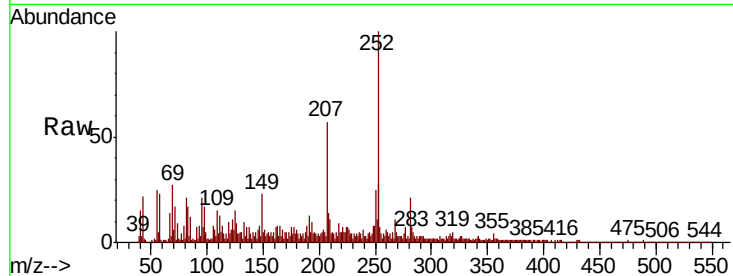




#88
Benzo(b)fluoranthene
Concen: 6.954 ng
RT: 22.56 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

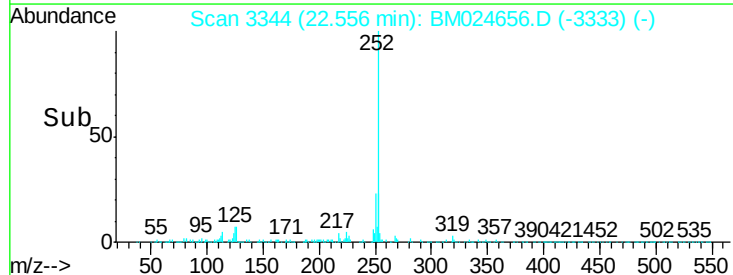
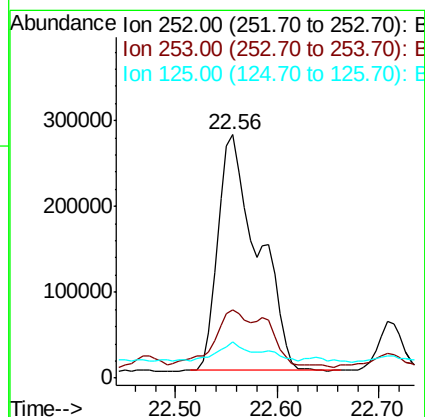
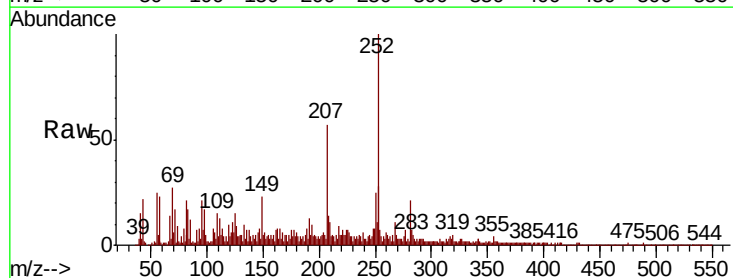
Instrument :
BNA_M
ClientSampleId :

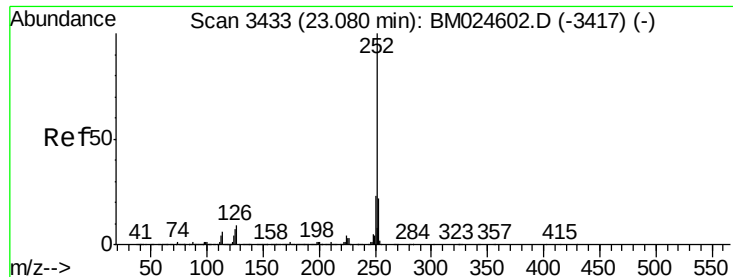
Tot Ion:252 Resp: 757734
Ion Ratio Lower Upper
252 100
253 27.9 17.6 26.4#
125 14.8 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 7.058 ng
RT: 22.56 min Scan# 3344
Delta R.T. -0.04 min
Lab File: BM024656.D
Acq: 29 Jan 2020 18:41

Tgt Ion:252 Resp: 750616
Ion Ratio Lower Upper
252 100
253 27.9 17.3 25.9#
125 14.8 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 4.262 ng

RT: 23.09 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

Instrument :

BNA_M

ClientSampleId :

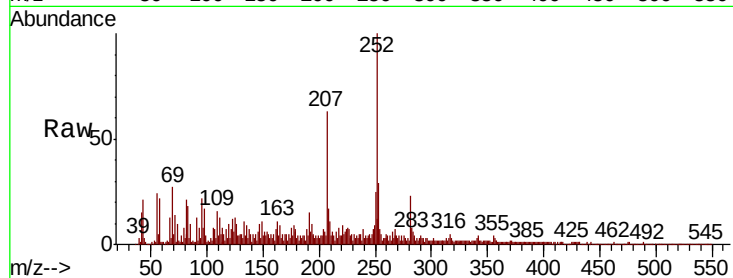
Tot Ion:252 Resp: 422177

Ion Ratio Lower Upper

252 100

253 28.6 17.3 25.9#

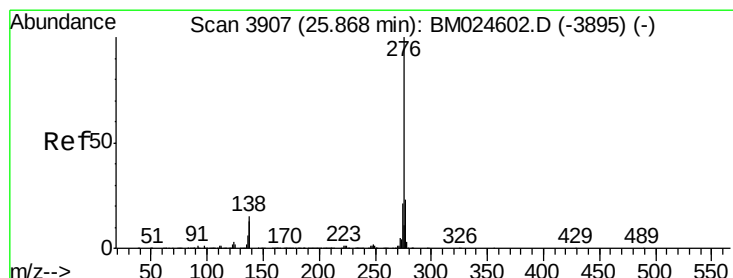
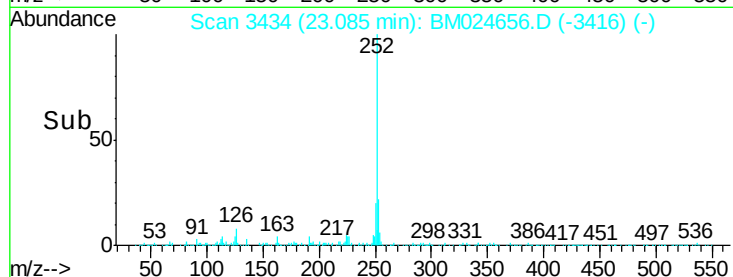
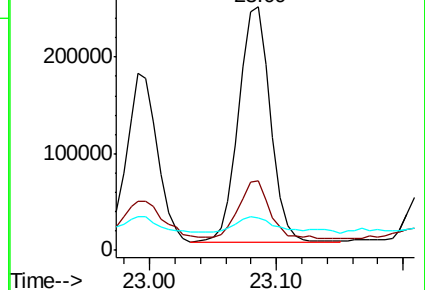
125 13.4 5.8 8.8#



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: 3.540 ng

RT: 25.88 min Scan# 3909

Delta R.T. 0.01 min

Lab File: BM024656.D

Acq: 29 Jan 2020 18:41

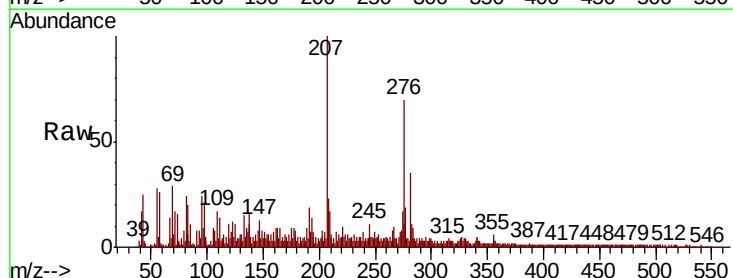
Tgt Ion:276 Resp: 302199

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 15.2 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

