

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024705.D
 Acq On : 03 Feb 2020 18:48
 Operator : CG/JU
 Sample : L1318-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 04 03:00:37 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

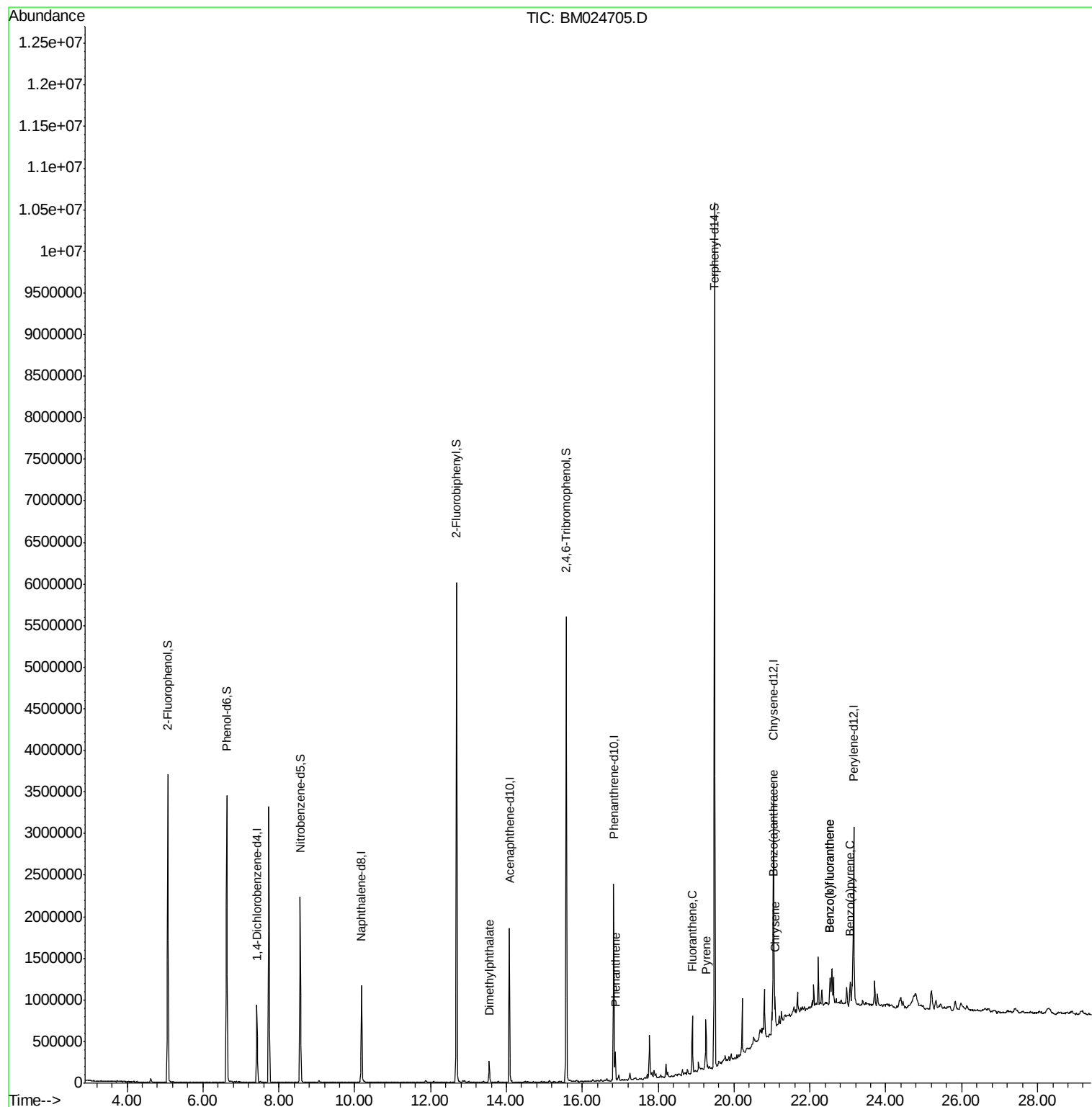
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	263105	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	980300	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	652170	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1422897	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1323808	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1556215	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1559843	112.75	ng	-0.01
7) Phenol-d6	6.63	99	1962346	102.96	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1264809	63.27	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	1163257	109.65	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	3234773	67.43	ng	-0.02
79) Terphenyl-d14	19.49	244	5117185	72.17	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.55	163	179156	3.397	ng	99
71) Phenanthrene	16.87	178	206266	2.677	ng	98
75) Fluoranthene	18.90	202	422385	4.392	ng	99
78) Pyrene	19.26	202	385458	4.417	ng	99
81) Benzo(a)anthracene	21.02	228	204431	2.225	ng	98
83) Chrysene	21.07	228	214967	2.452	ng	98
88) Benzo(b)fluoranthene	22.53	252	379070	3.756	ng	# 96
89) Benzo(k)fluoranthene	22.53	252	381155	3.869	ng	# 95
90) Benzo(a)pyrene	23.06	252	193144	2.105	ng	# 96

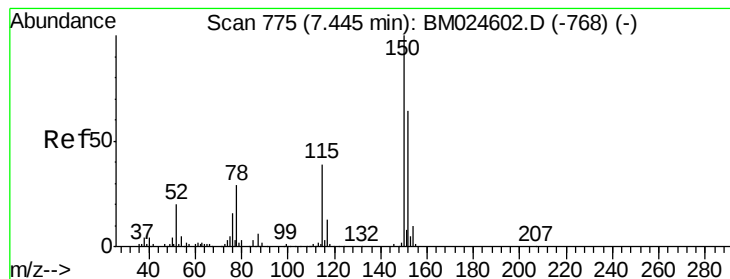
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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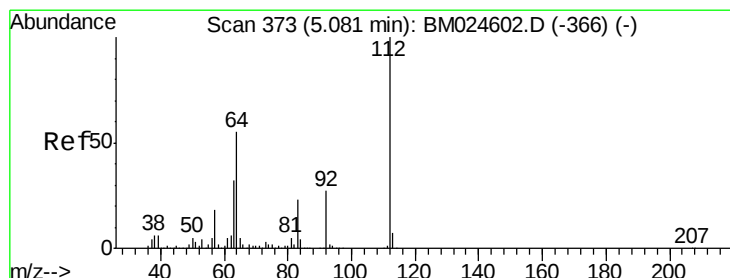
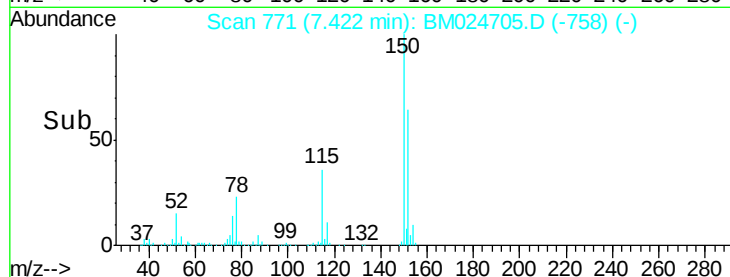
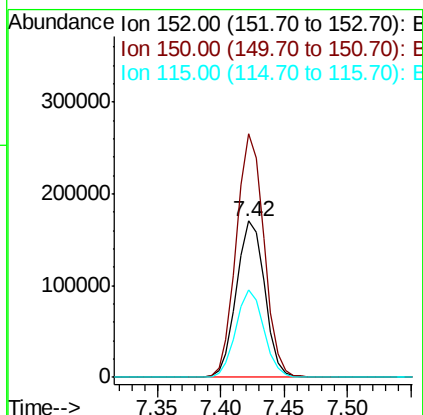
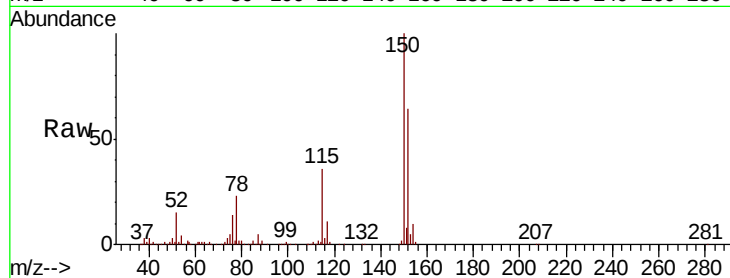


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Instrument :
BNA_M
ClientSampleId :

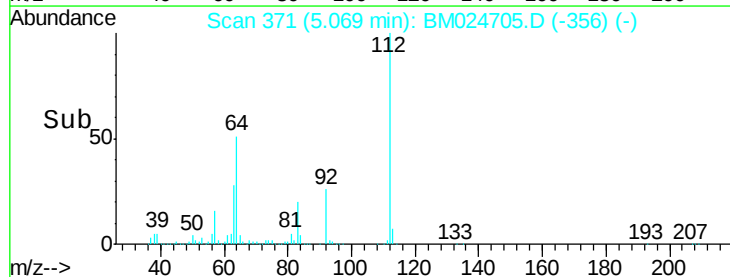
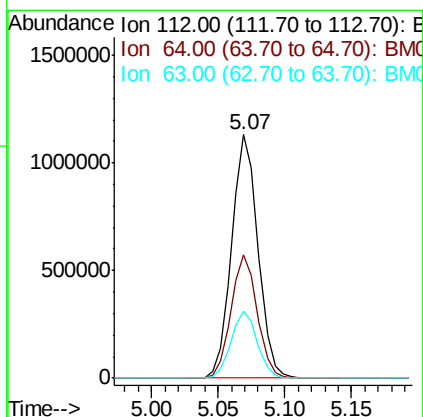
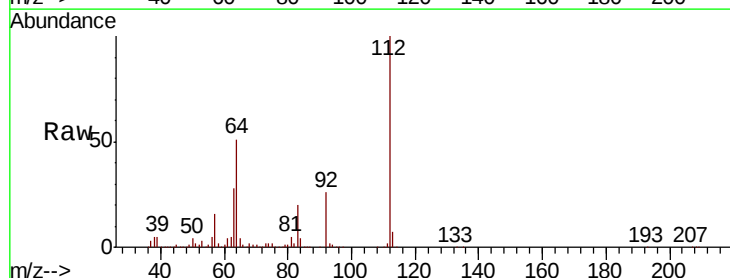
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.2	186.4
115	56.4	48.6	72.8

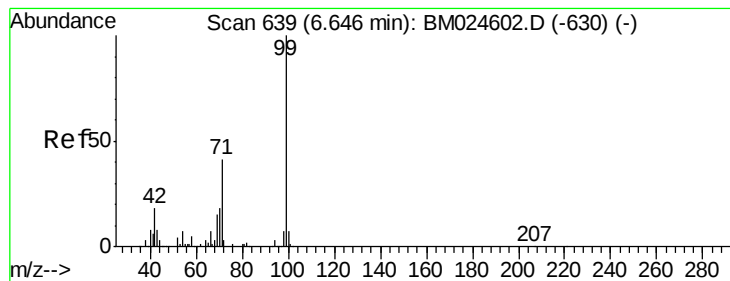


#5

2-Fluorophenol
Concen: 112.748 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	44.2	66.4
63	27.6	25.9	38.9





#7

Phenol-d6

Concen: 102.965 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

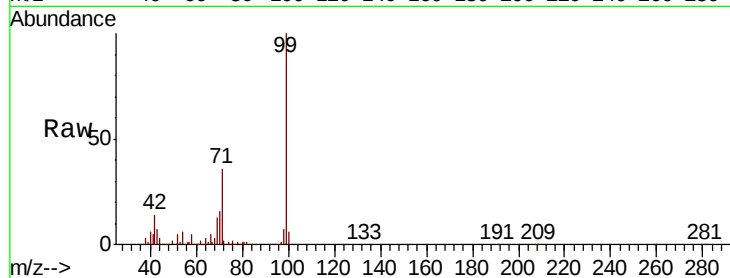
Instrument :

BNA_M

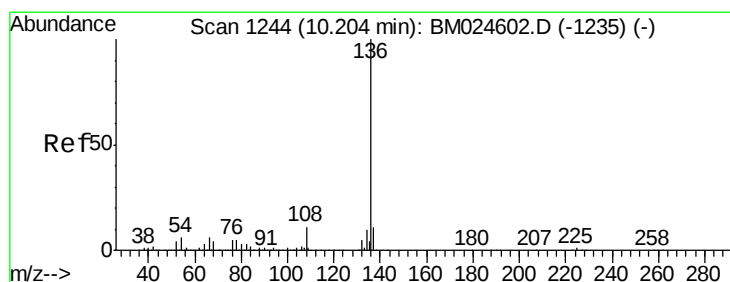
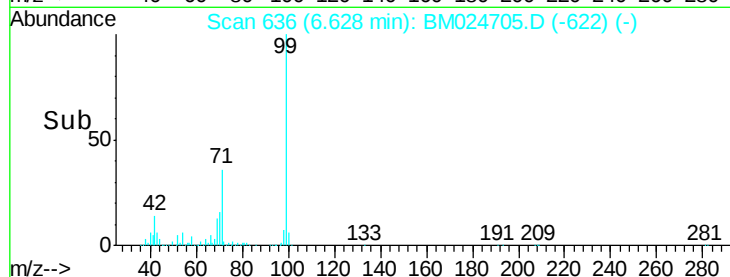
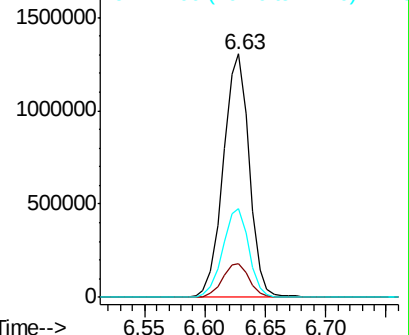
ClientSampleId :

Tot Ion: 99 Resp: 1962346

Ion	Ratio	Lower	Upper
99	100		
42	14.0	14.1	21.1#
71	36.4	33.0	49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024705.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

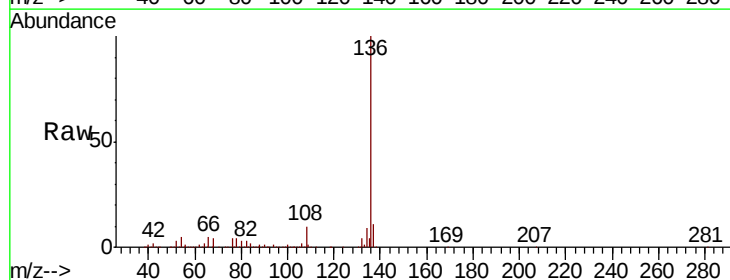
Delta R.T. -0.02 min

Lab File: BM024705.D

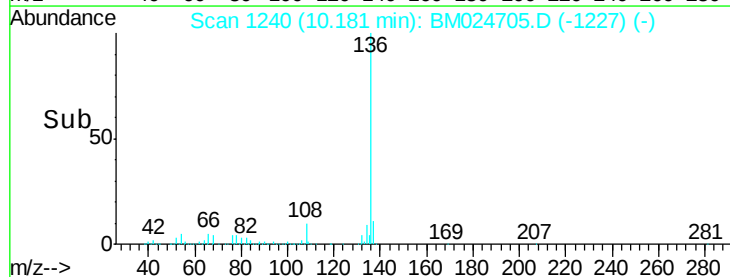
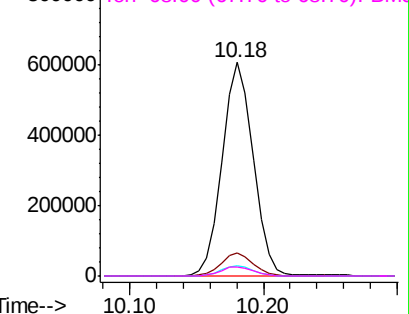
Acq: 03 Feb 2020 18:48

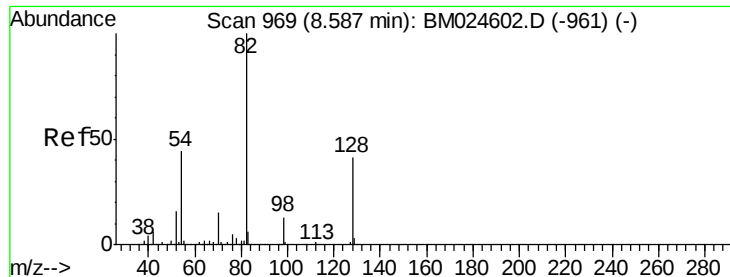
Tgt Ion: 136 Resp: 980300

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	4.7	4.5	6.7
68	4.3	3.4	5.0



Abundance Ion 136.00 (135.70 to 136.70): BM024705.D (-1227) (-)

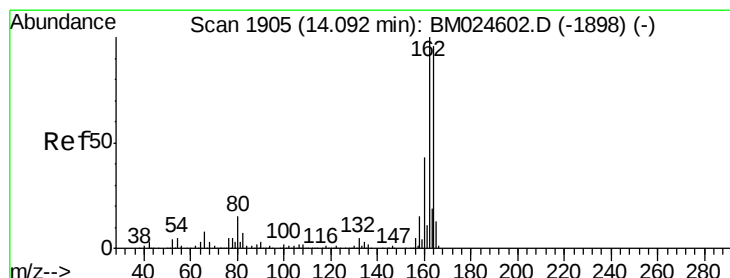
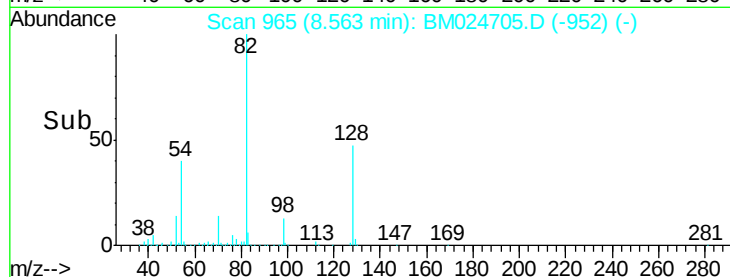
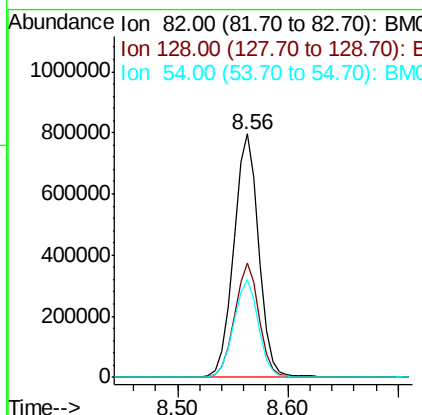
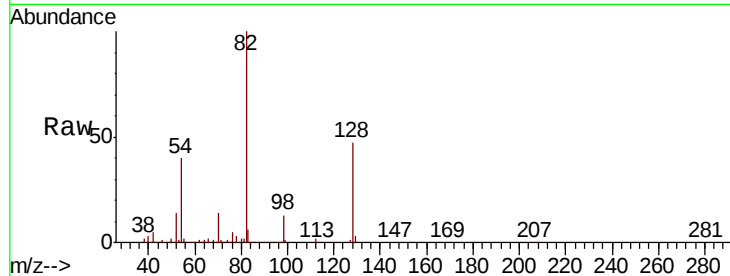




#23
 Nitrobenzene-d5
 Concen: 63.275 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

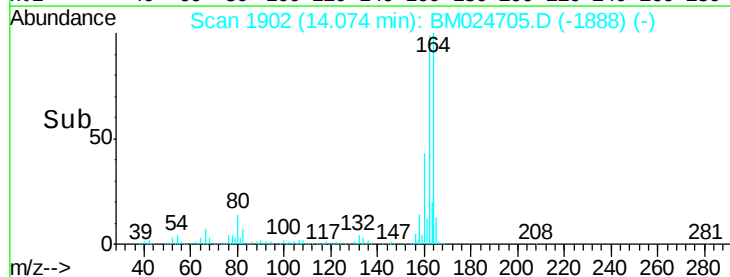
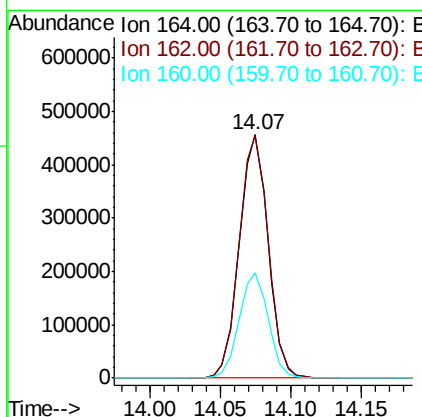
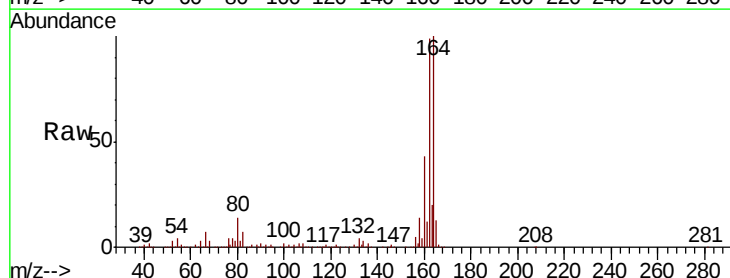
Instrument :
 BNA_M
 ClientSampled :

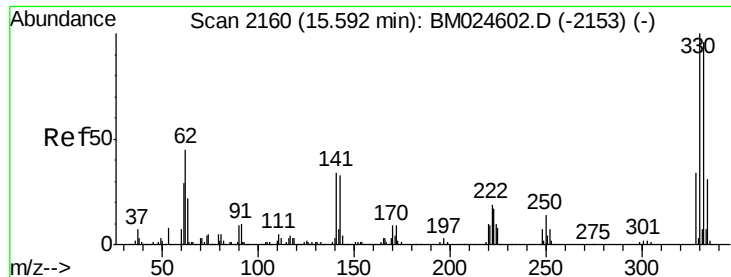
Tot Ion: 82 Resp: 1264809
 Ion Ratio Lower Upper
 82 100
 128 46.7 32.6 48.8
 54 39.9 34.8 52.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.07 min Scan# 1902
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Tgt Ion: 164 Resp: 652170
 Ion Ratio Lower Upper
 164 100
 162 99.3 82.9 124.3
 160 43.4 35.5 53.3

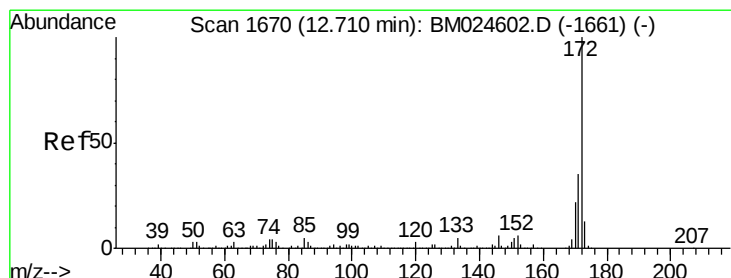
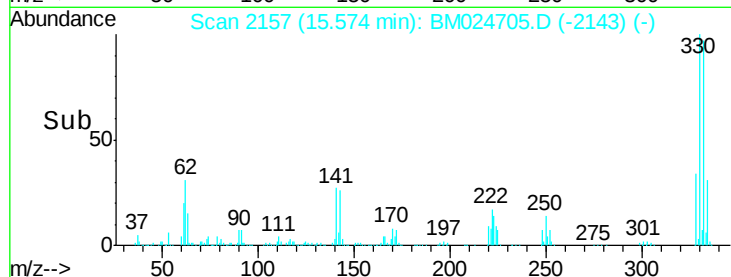
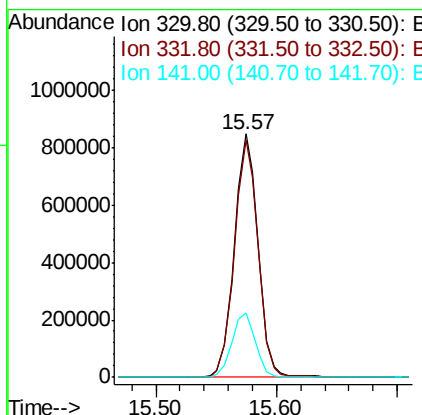
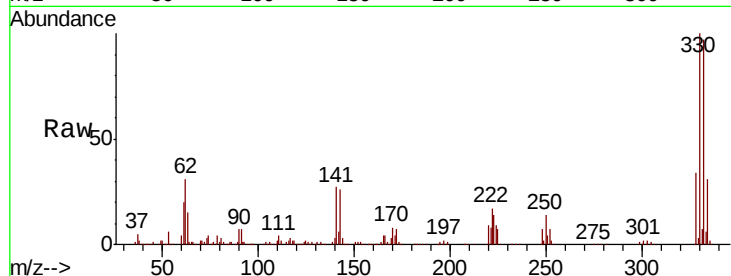




#42
 2,4,6-Tribromophenol
 Concen: 109.653 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

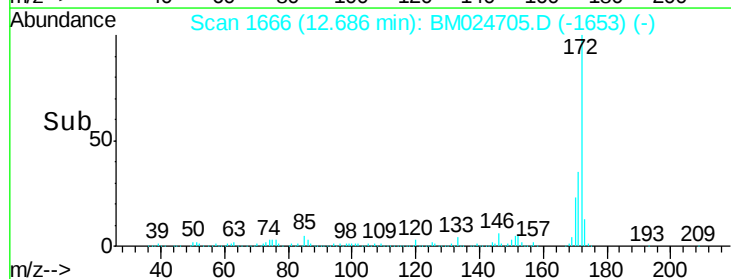
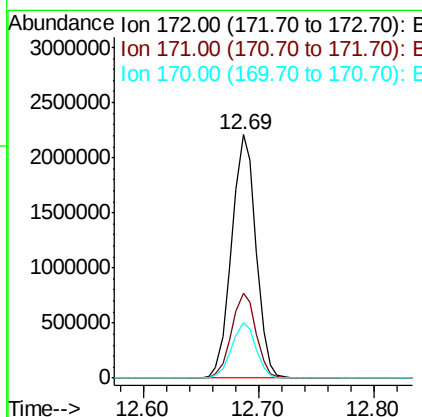
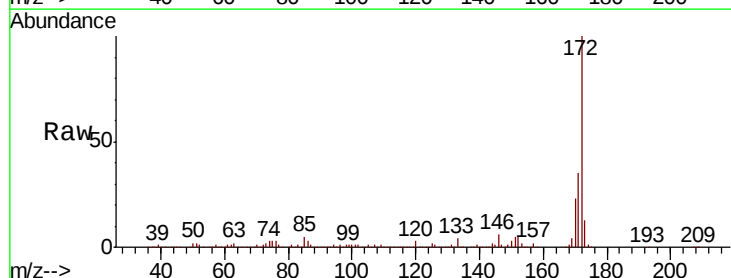
Instrument :
 BNA_M
 ClientSampled :

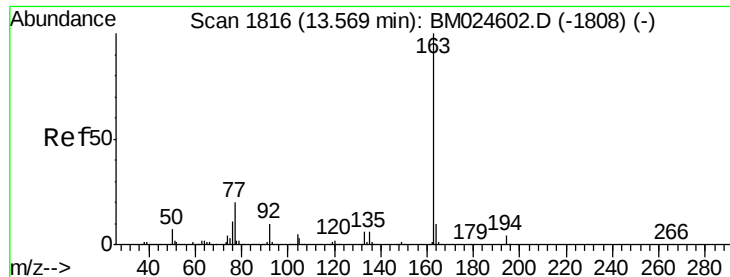
Tot Ion:330 Resp: 1163257
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.2 115.8
 141 26.6 26.9 40.3#



#45
 2-Fluorobiphenyl
 Concen: 67.432 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Tgt Ion:172 Resp: 3234773
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 22.6 17.9 26.9

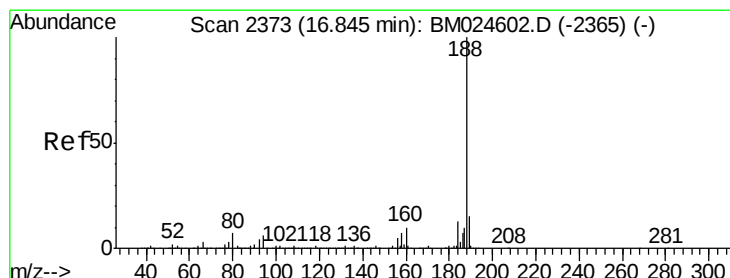
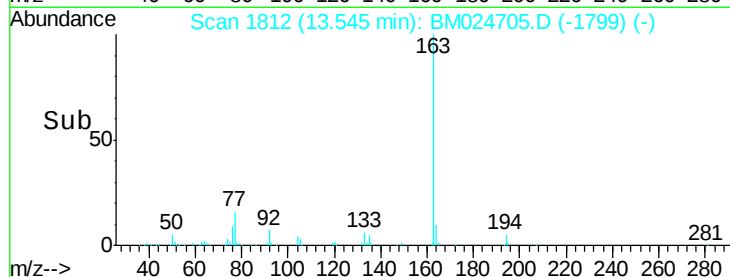
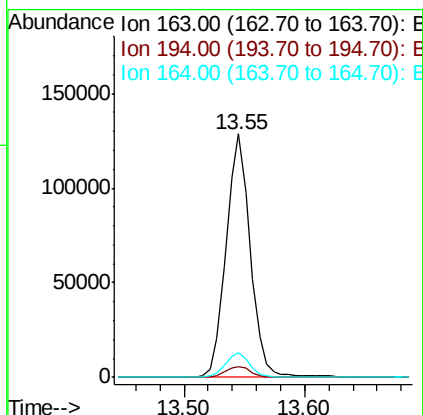
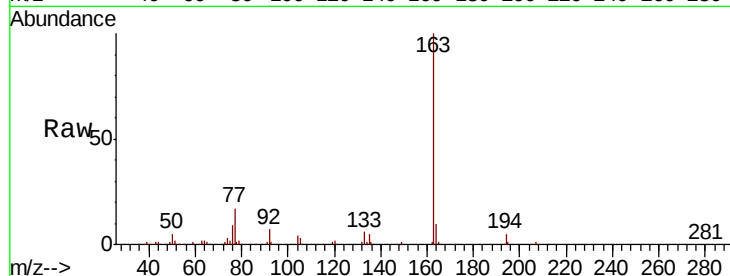




#50
Dimethylphthalate
Concen: 3.397 ng
RT: 13.55 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

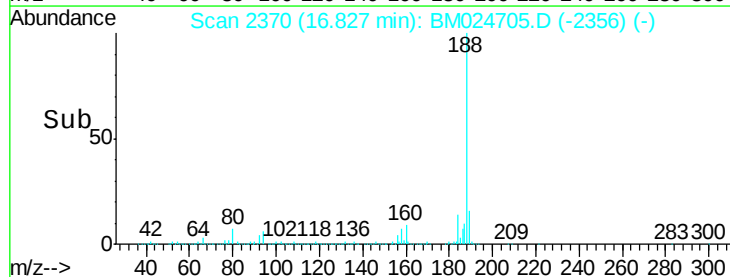
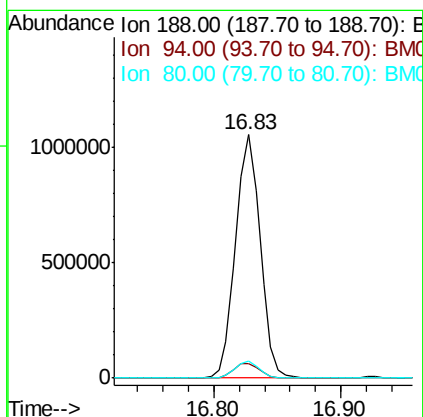
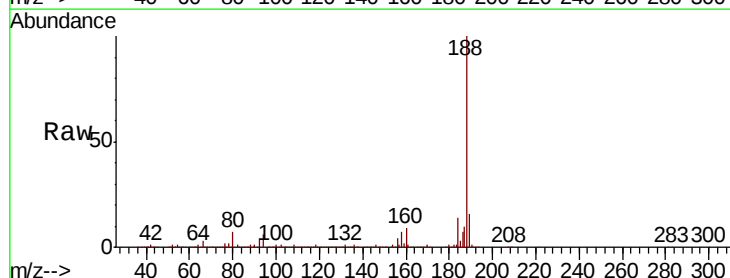
Instrument :
BNA_M
ClientSampleId :

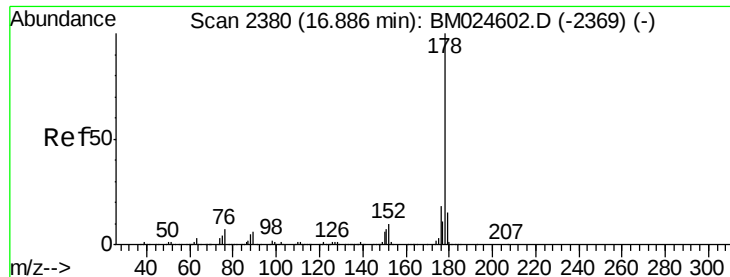
Tot Ion:163 Resp: 179156
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 10.2 8.0 12.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion:188 Resp: 1422897
Ion Ratio Lower Upper
188 100
94 6.2 5.0 7.6
80 7.1 5.8 8.8





#71

Phenanthrene

Concen: 2.677 ng

RT: 16.87 min Scan# 2377

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

Instrument :

BNA_M

ClientSampleId :

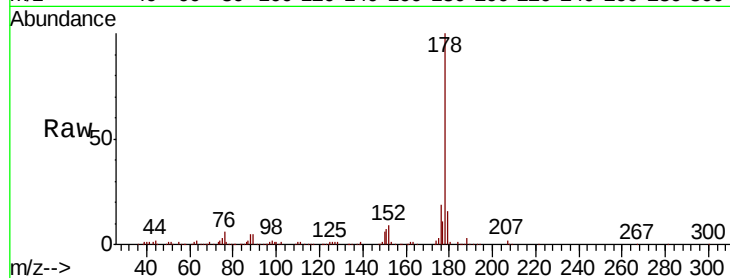
Tot Ion:178 Resp: 206266

Ion Ratio Lower Upper

178 100

176 18.9 14.5 21.7

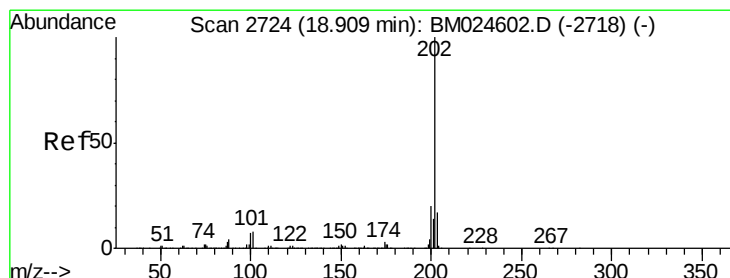
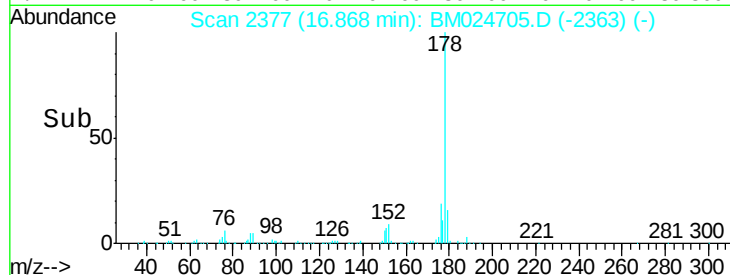
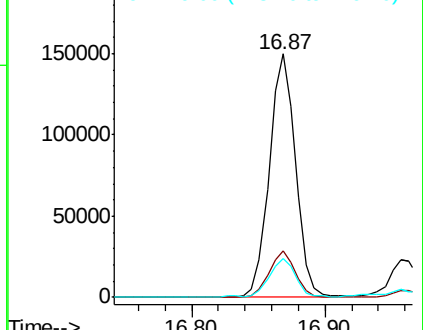
179 16.1 11.9 17.9



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: 4.392 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

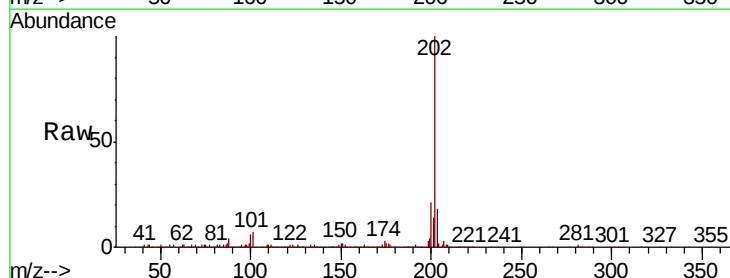
Tgt Ion:202 Resp: 422385

Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.4

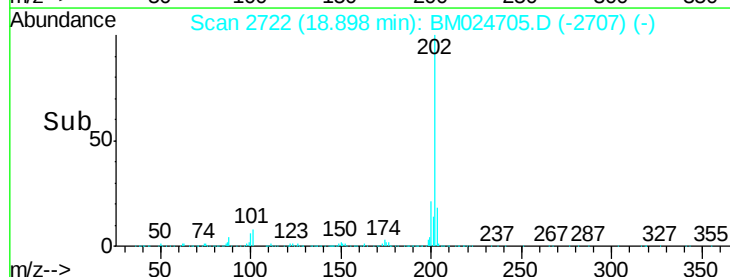
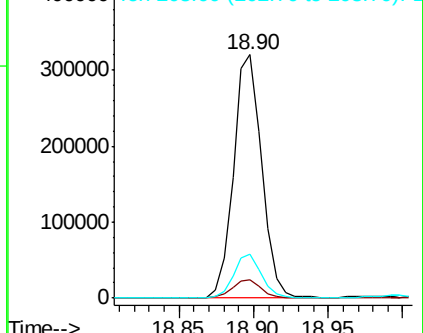
203 17.8 0.0 37.5

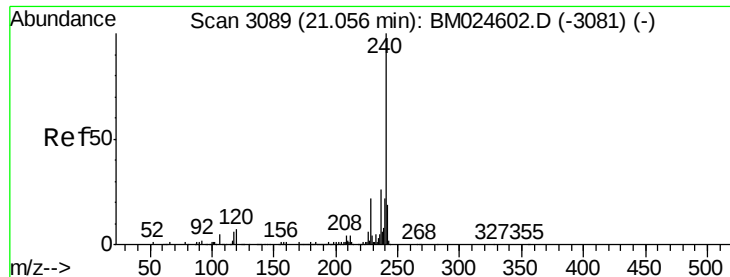


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

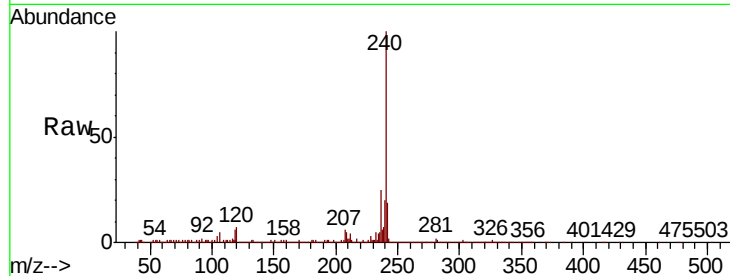




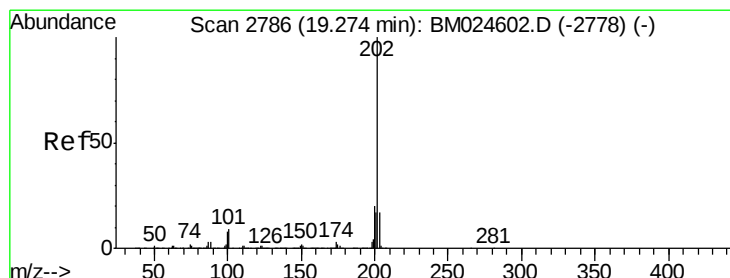
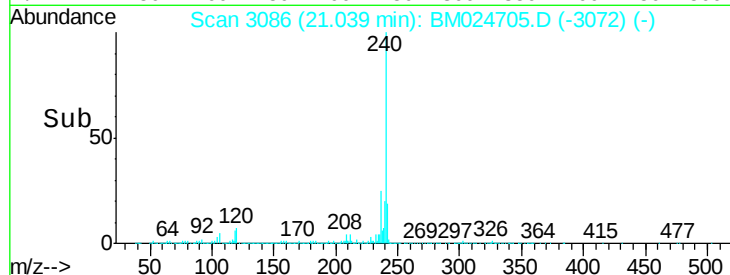
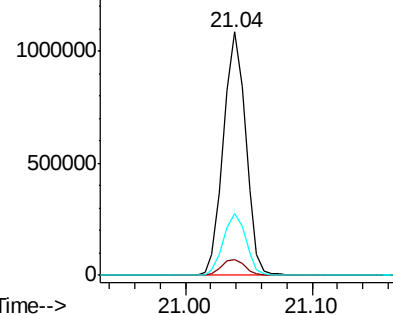
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Instrument :
BNA_M
ClientSampleID :

Tot Ion:240 Resp: 1323808
Ion Ratio Lower Upper
240 100
120 6.6 5.3 7.9
236 25.5 20.6 31.0

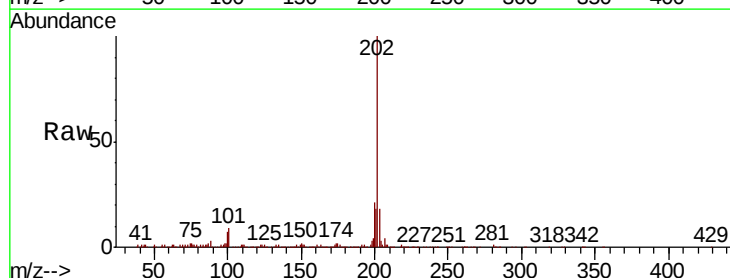


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

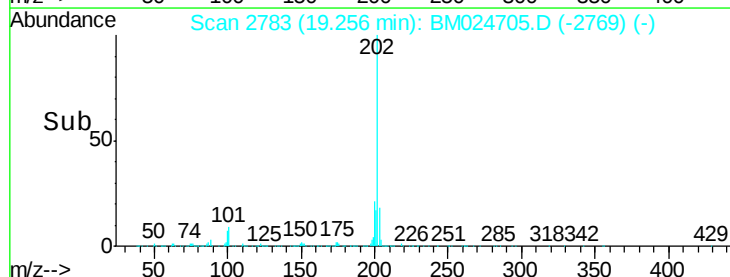
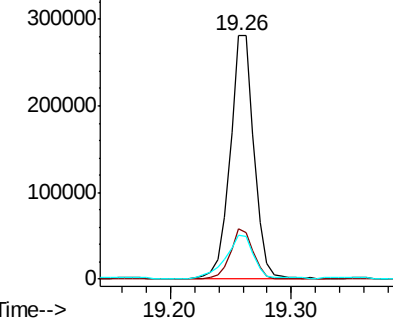


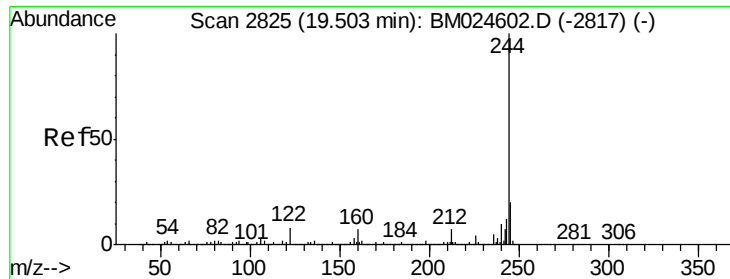
#78
Pyrene
Concen: 4.417 ng
RT: 19.26 min Scan# 2783
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion:202 Resp: 385458
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.2 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

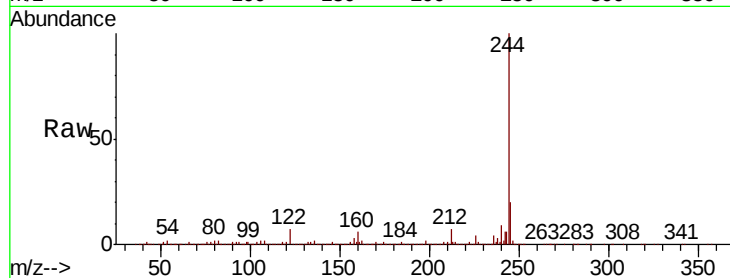




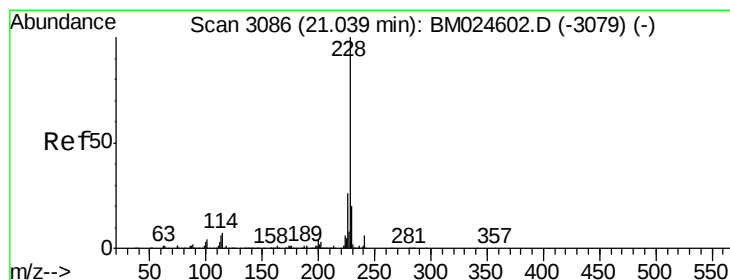
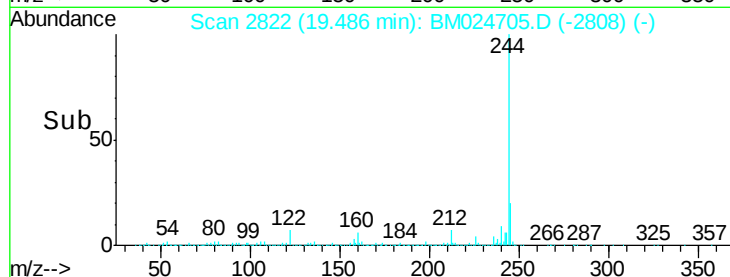
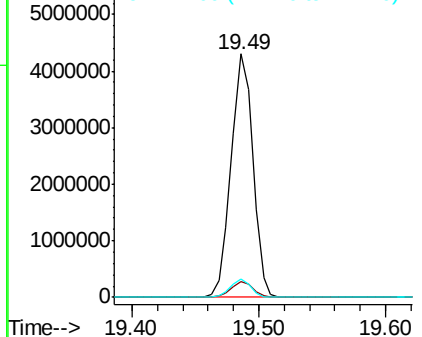
#79
 Terphenyl-d14
 Concen: 72.165 ng
 RT: 19.49 min Scan# 2822
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:244 Resp: 5117185
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 7.4 6.2 9.4

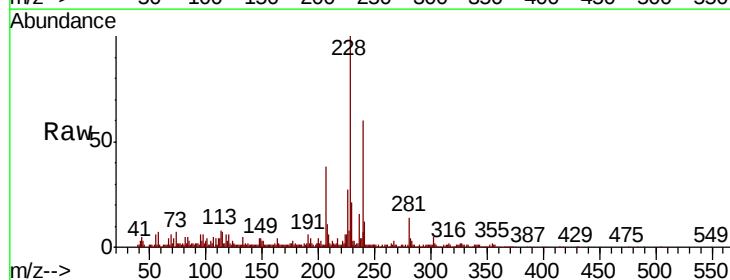


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

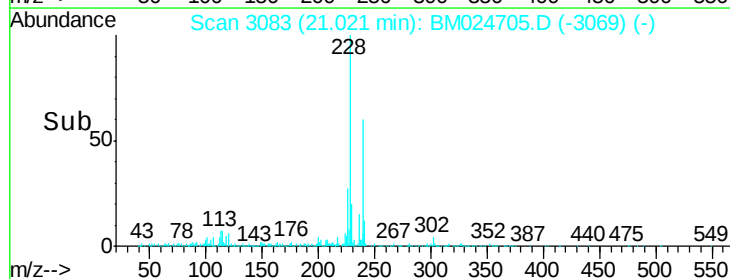
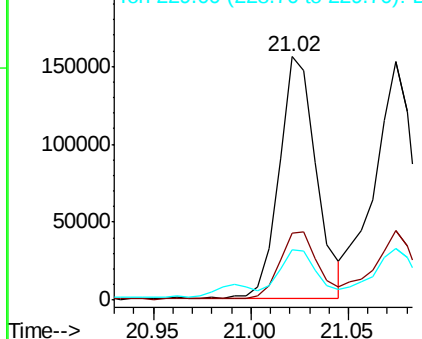


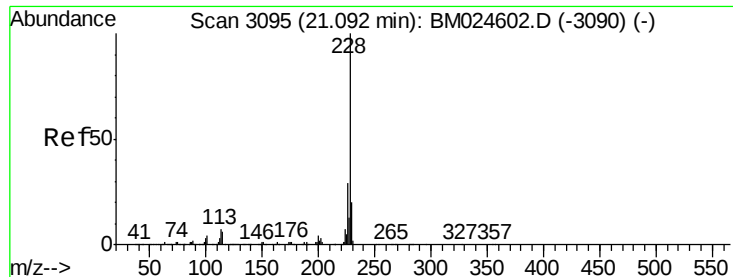
#81
 Benzo(a)anthracene
 Concen: 2.225 ng
 RT: 21.02 min Scan# 3083
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Tgt Ion:228 Resp: 204431
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.1 31.7
 229 20.7 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

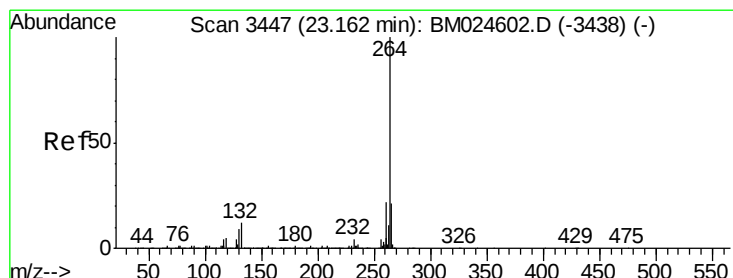
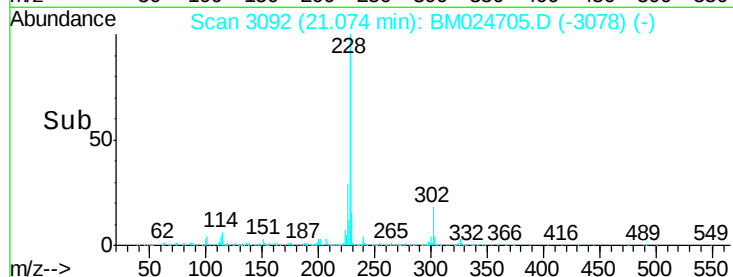
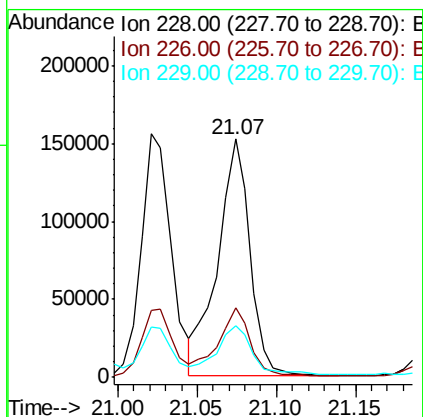
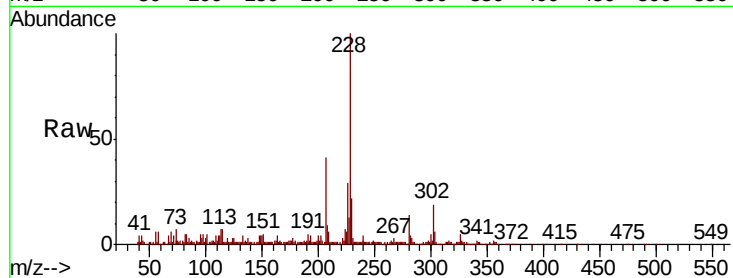




#83
Chrysene
Concen: 2.452 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

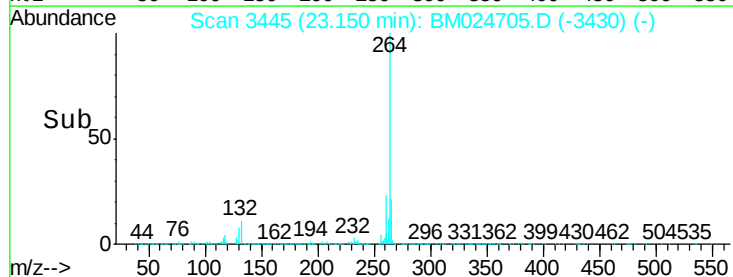
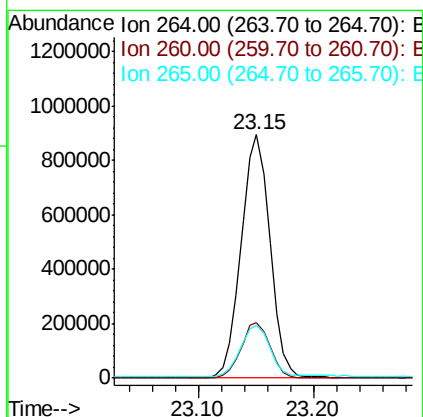
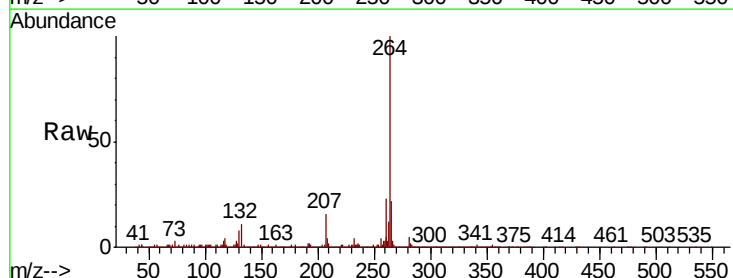
Instrument :
BNA_M
ClientSampled :

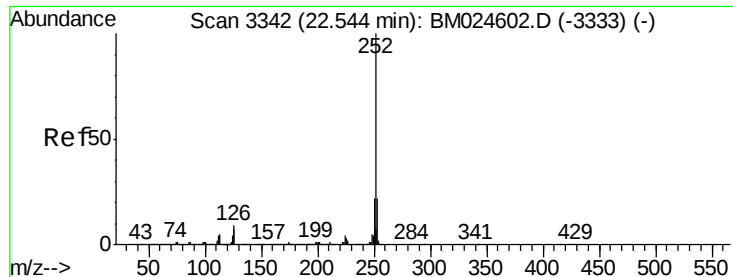
Tot Ion:228 Resp: 214967
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 21.6 15.7 23.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion:264 Resp: 1556215
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 21.8 17.3 25.9

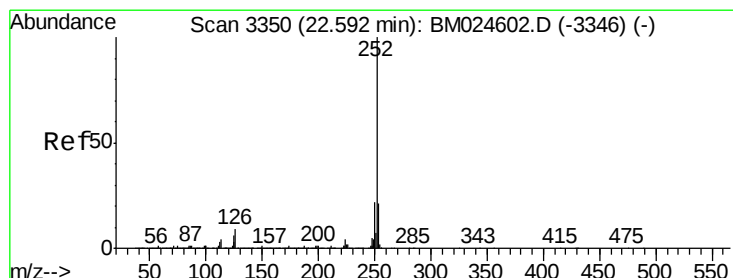
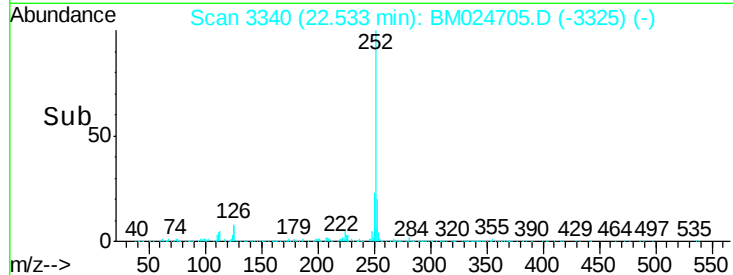
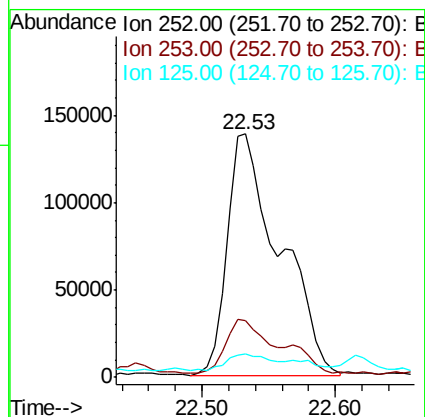
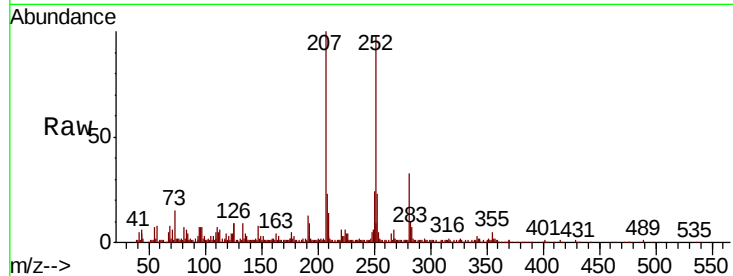




#88
Benzo(b)fluoranthene
Concen: 3.756 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

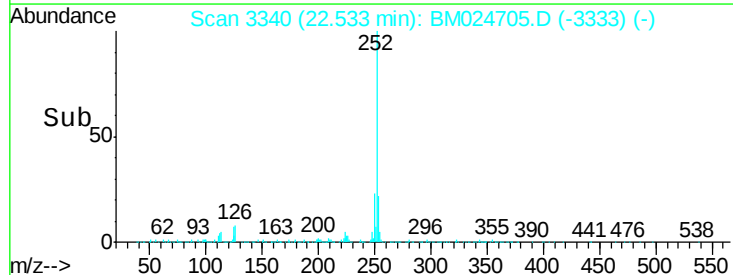
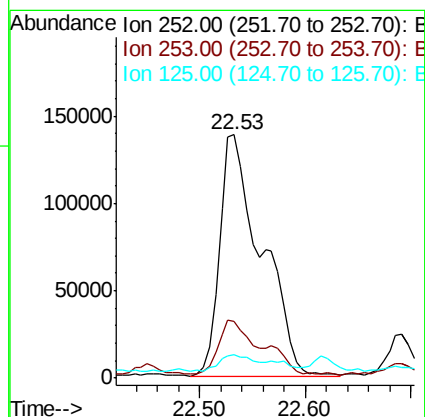
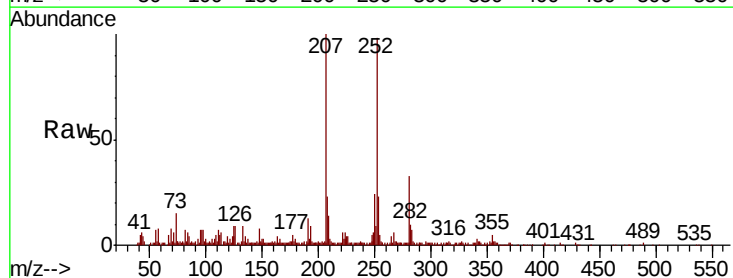
Instrument :
BNA_M
ClientSampleId :

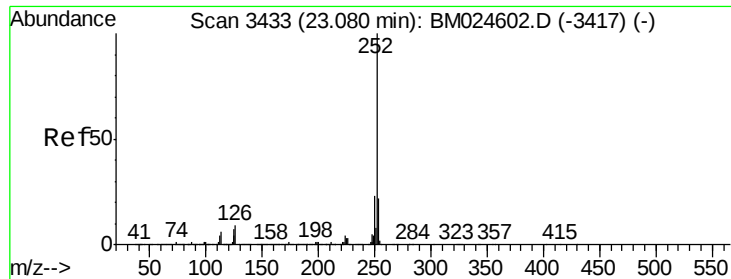
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.5	5.7	8.5#



#89
Benzo(k)fluoranthene
Concen: 3.869 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.06 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	9.5	5.2	7.8#





#90

Benzo(a)pyrene

Concen: 2.105 ng

RT: 23.06 min Scan# 3429

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 193144

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 9.6 5.8 8.8#

