

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024706.D
 Acq On : 03 Feb 2020 19:24
 Operator : CG/JU
 Sample : L1347-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 04 03:00:47 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

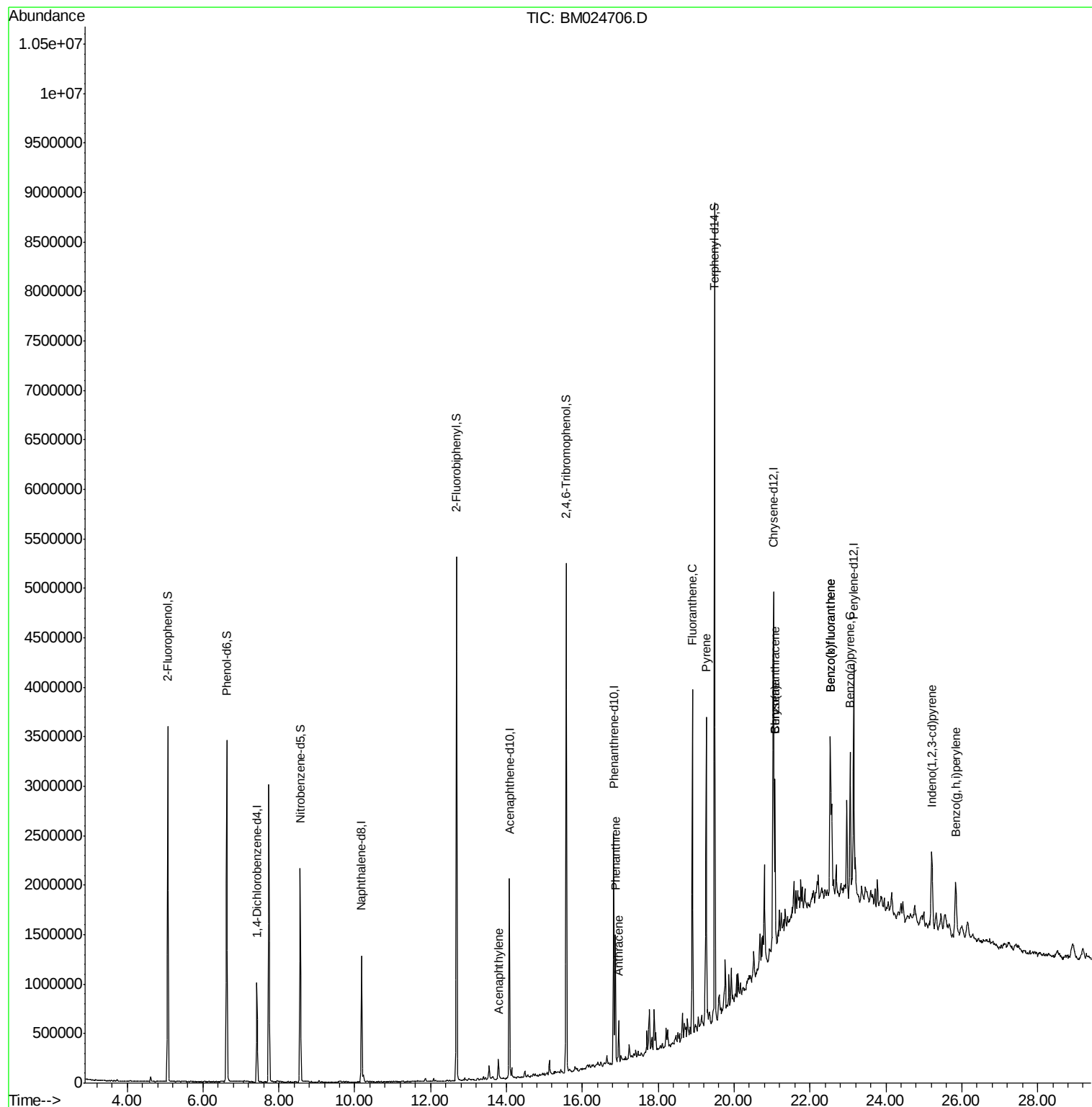
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	282912	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	1056058	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	679621	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1423169	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1369215	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1621294	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1550245	104.21	ng	-0.01
7) Phenol-d6	6.63	99	1937032	94.52	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1232547	57.24	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	1089191	98.52	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	2785871	55.73	ng	-0.02
79) Terphenyl-d14	19.49	244	4115632	56.12	ng	-0.02
Target Compounds						
49) Acenaphthylene	13.79	152	167724	2.698	ng	98
71) Phenanthrene	16.87	178	790119	10.252	ng	99
72) Anthracene	16.96	178	252242	3.345	ng	97
75) Fluoranthene	18.90	202	2117599	22.015	ng	99
78) Pyrene	19.26	202	1968528	21.809	ng	99
81) Benzo(a)anthracene	21.07	228	982432	10.338	ng	93
83) Chrysene	21.07	228	1040307	11.472	ng	96
86) Indeno(1,2,3-cd)pyrene	25.21	276	671130	6.790	ng	96
88) Benzo(b)fluoranthene	22.53	252	1828060	17.385	ng	96
89) Benzo(k)fluoranthene	22.53	252	1829637	17.826	ng	95
90) Benzo(a)pyrene	23.06	252	1011582	10.581	ng	96
92) Benzo(a,h,i)perylene	25.84	276	669462	8.125	ng	97

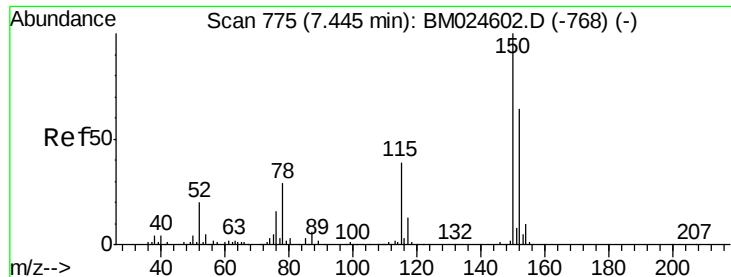
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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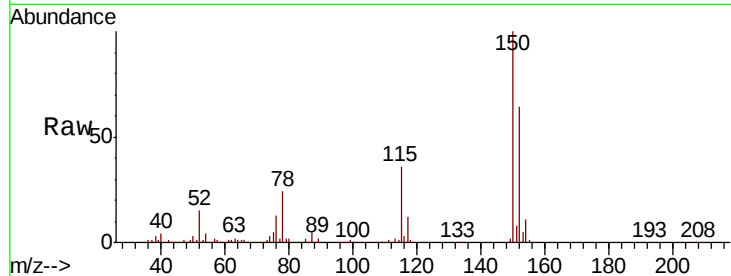


#1

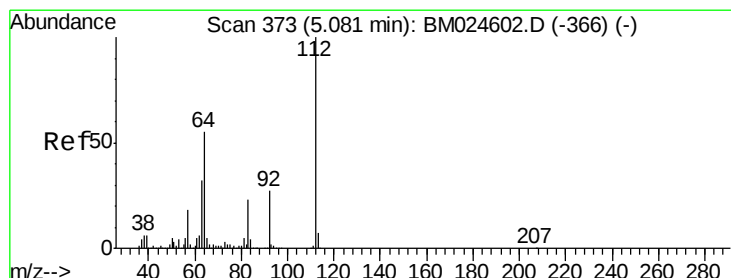
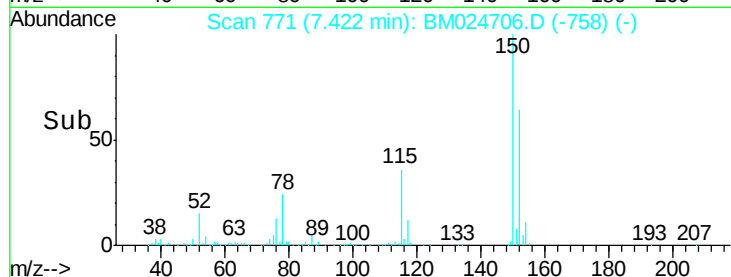
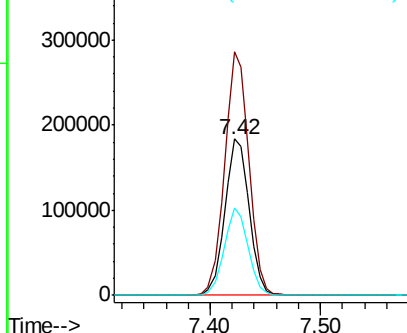
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.2	186.4
115	55.9	48.6	72.8



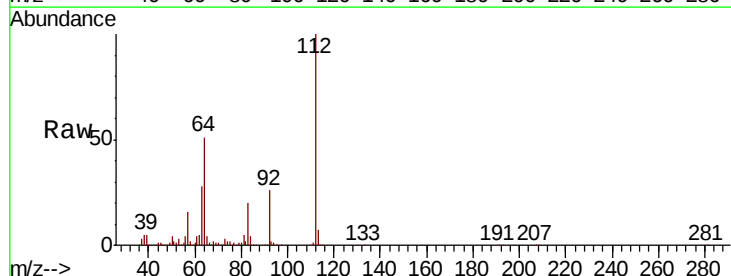
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



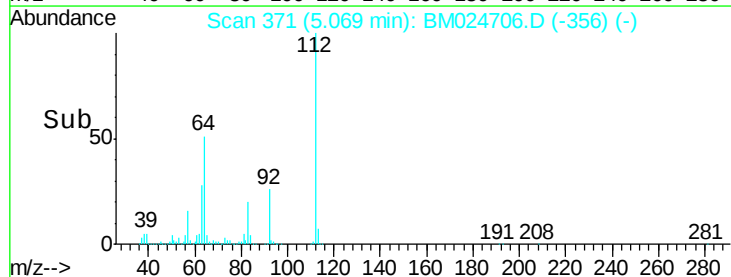
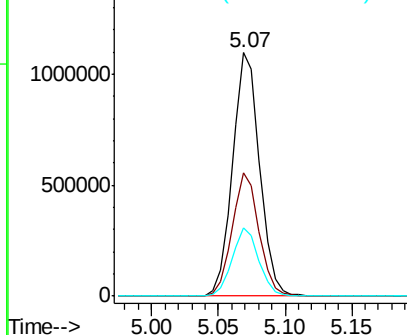
#5

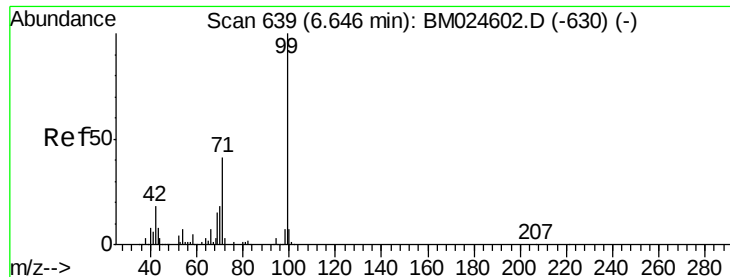
2-Fluorophenol
Concen: 104.209 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	44.2	66.4
63	28.0	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: 94.521 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

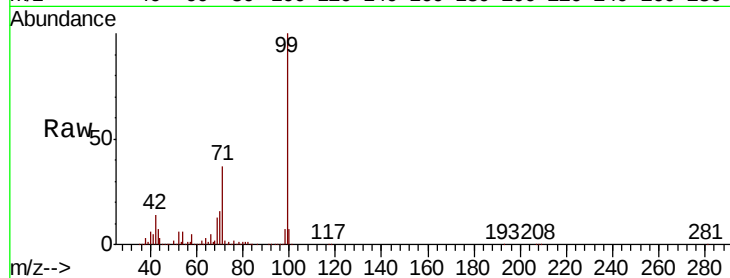
Tot Ion: 99 Resp: 1937032

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

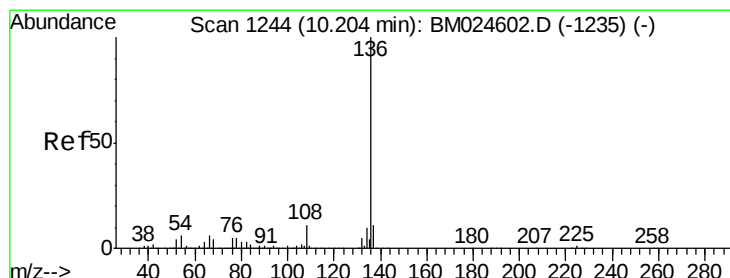
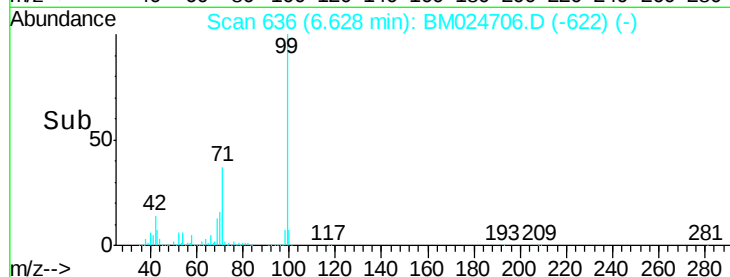
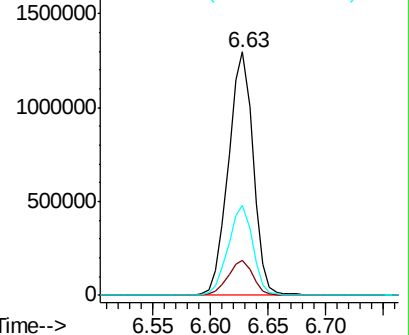
71 37.2 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024706.D (-636) (-)

Ion 42.00 (41.70 to 42.70): BM024706.D (-636) (-)

Ion 71.00 (70.70 to 71.70): BM024706.D (-636) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Tgt Ion: 136 Resp: 1056058

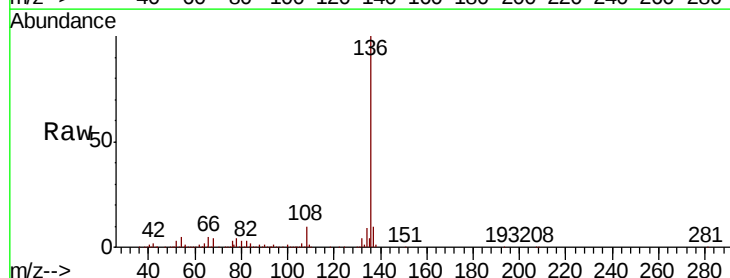
Ion Ratio Lower Upper

136 100

137 10.2 8.6 13.0

54 5.0 4.5 6.7

68 4.4 3.4 5.0

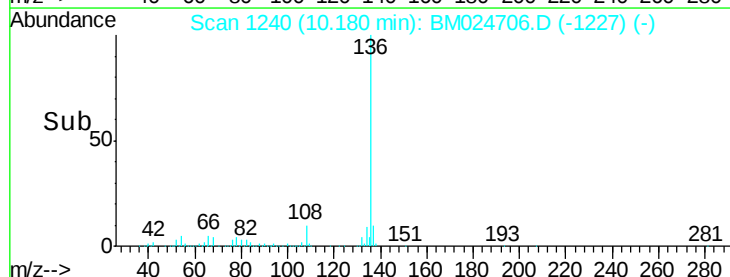
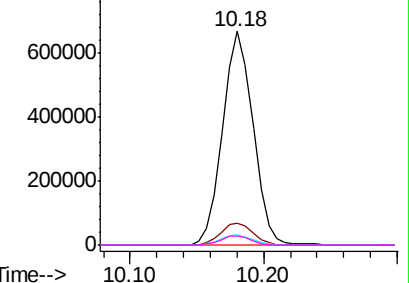


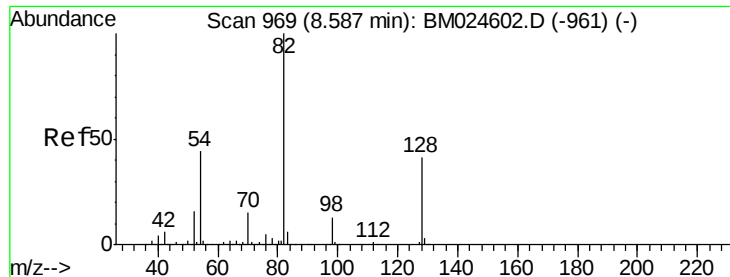
Abundance Ion 136.00 (135.70 to 136.70): BM024706.D (-1240) (-)

Ion 137.00 (136.70 to 137.70): BM024706.D (-1240) (-)

Ion 54.00 (53.70 to 54.70): BM024706.D (-1240) (-)

Ion 68.00 (67.70 to 68.70): BM024706.D (-1240) (-)

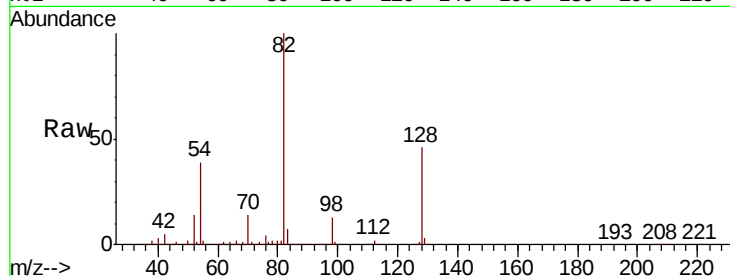




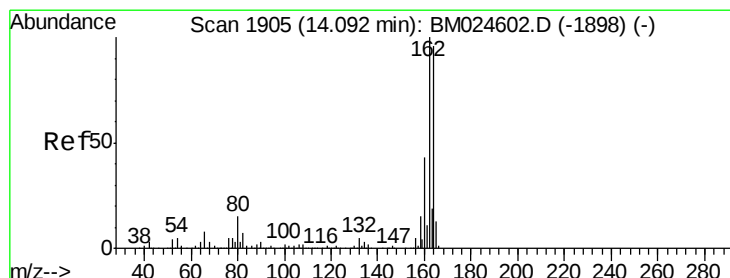
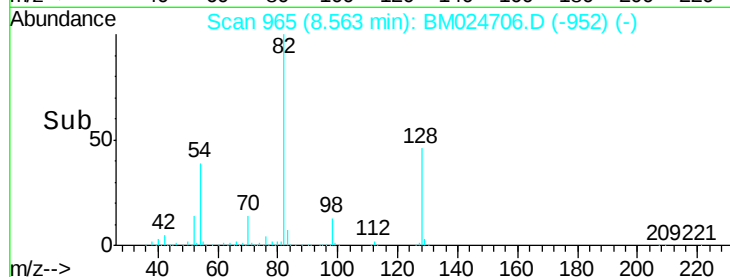
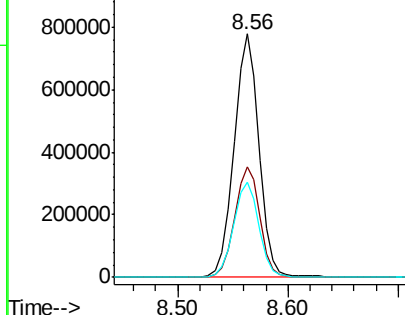
#23
Nitrobenzene-d5
Concen: 57.237 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 82 Resp: 1232547
Ion Ratio Lower Upper
82 100
128 45.6 32.6 48.8
54 39.1 34.8 52.2

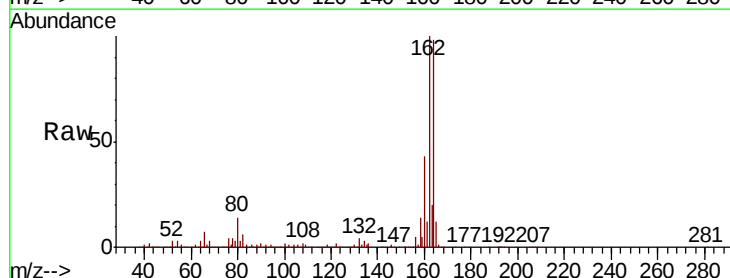


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0

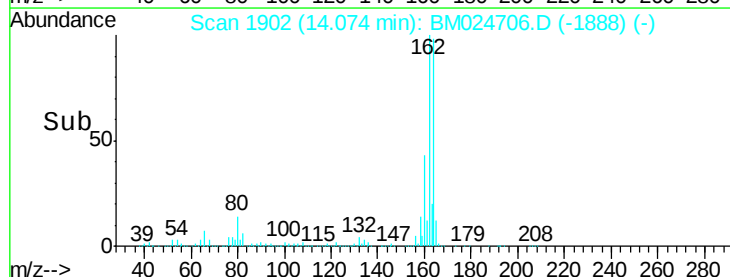
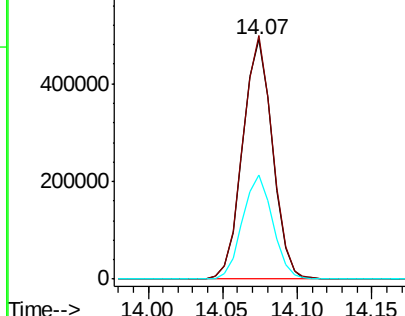


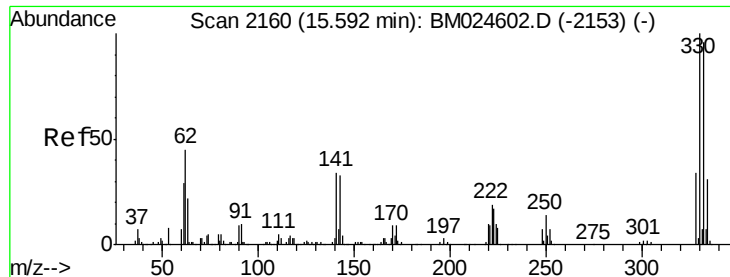
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Tgt Ion:164 Resp: 679621
Ion Ratio Lower Upper
164 100
162 101.7 82.9 124.3
160 43.4 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

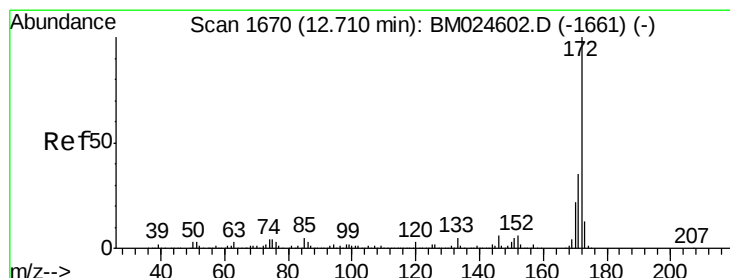
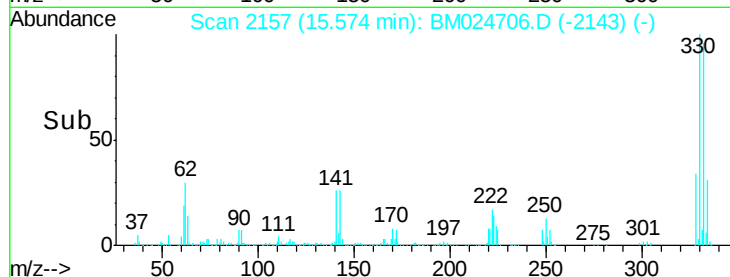
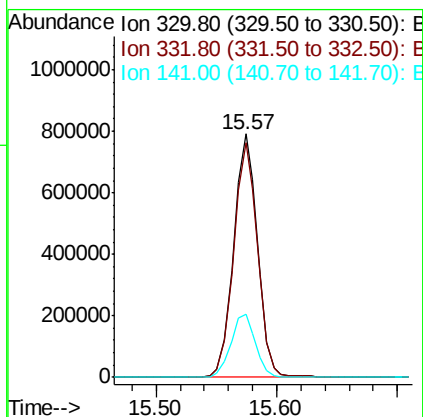
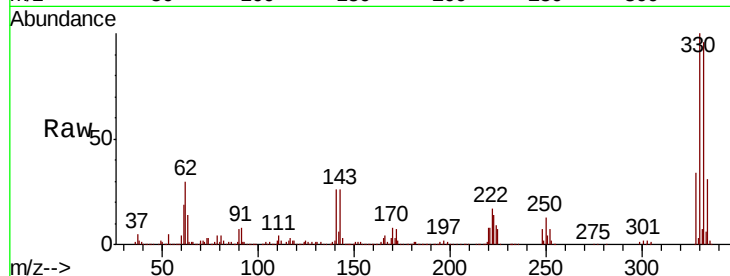




#42
 2,4,6-Tribromophenol
 Concen: 98.524 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024706.D
 Acq: 03 Feb 2020 19:24

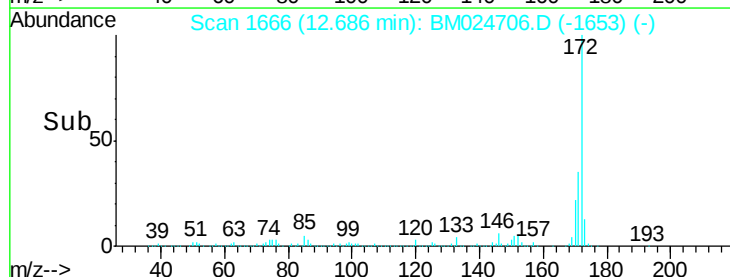
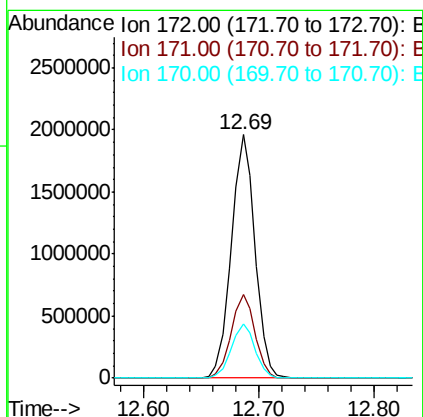
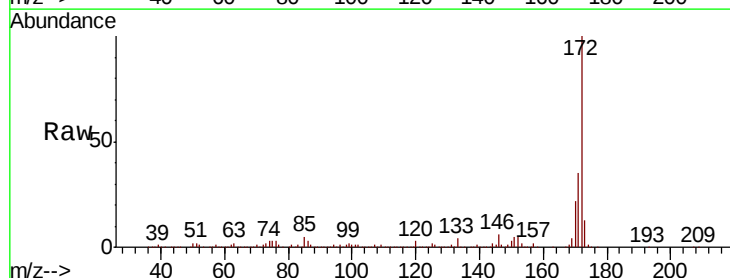
Instrument :
 BNA_M
 ClientSampleId :

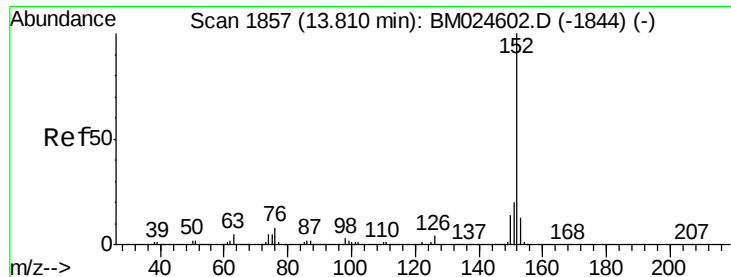
Tot Ion:330 Resp: 1089191
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.2 115.8
 141 26.8 26.9 40.3#



#45
 2-Fluorobiphenyl
 Concen: 55.728 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024706.D
 Acq: 03 Feb 2020 19:24

Tgt Ion:172 Resp: 2785871
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.3 42.5
 170 22.3 17.9 26.9





#49

Acenaphthylene

Concen: 2.698 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

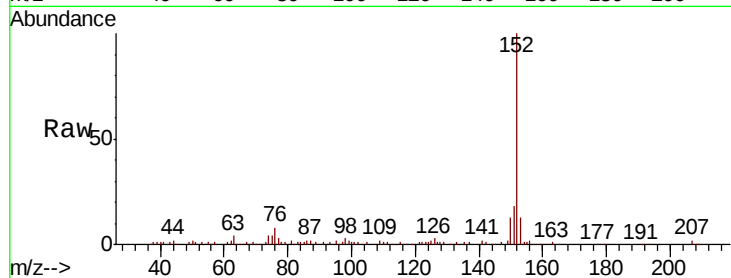
Tot Ion:152 Resp: 167724

Ion Ratio Lower Upper

152 100

151 18.1 15.8 23.6

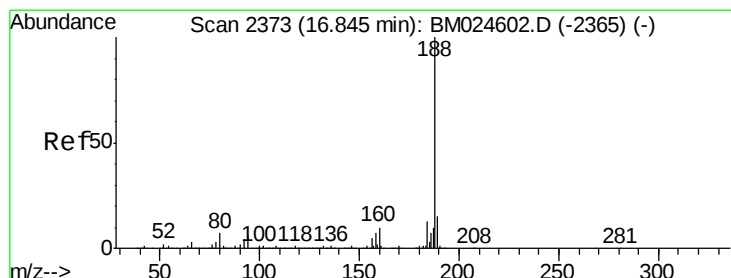
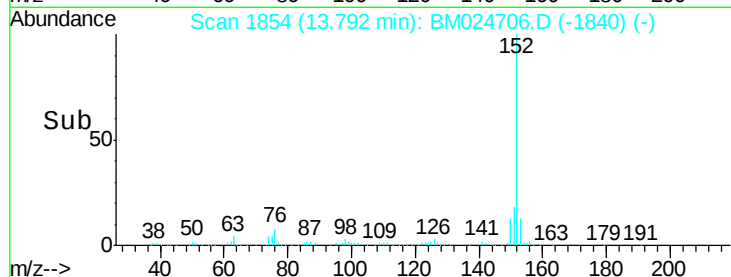
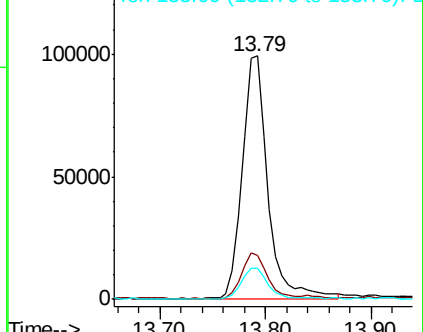
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2370

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

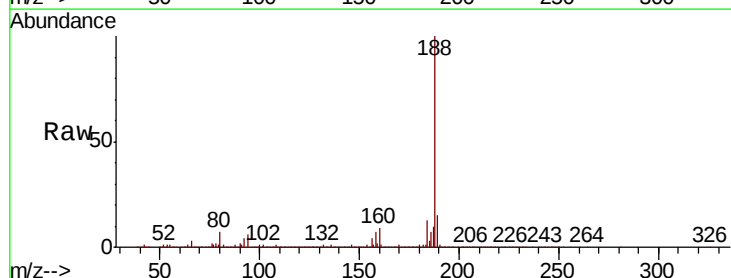
Tgt Ion:188 Resp: 1423169

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.6

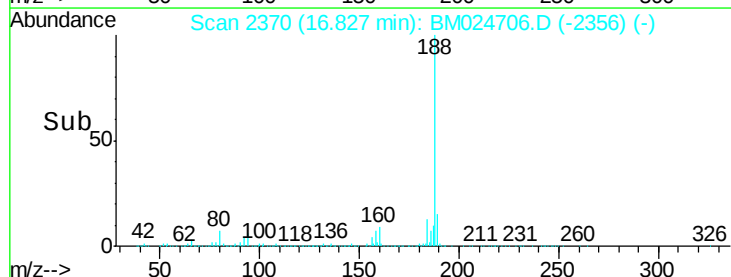
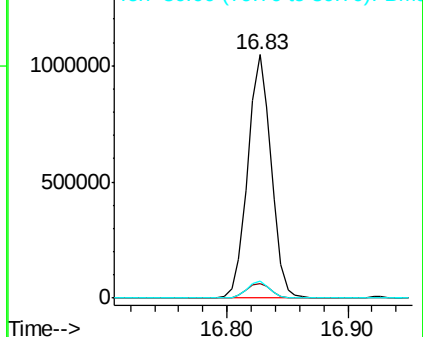
80 6.9 5.8 8.8

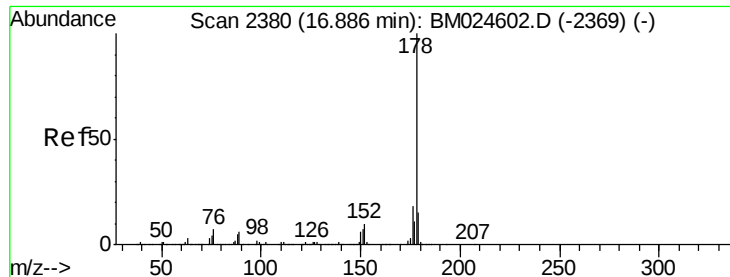


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

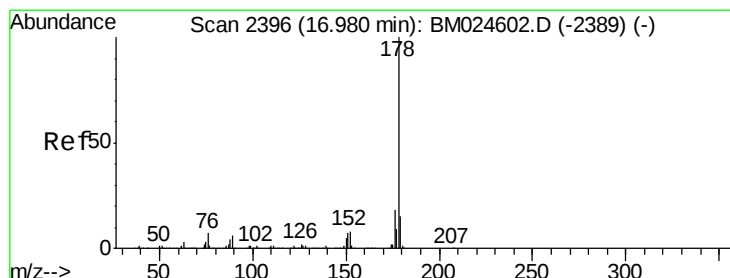
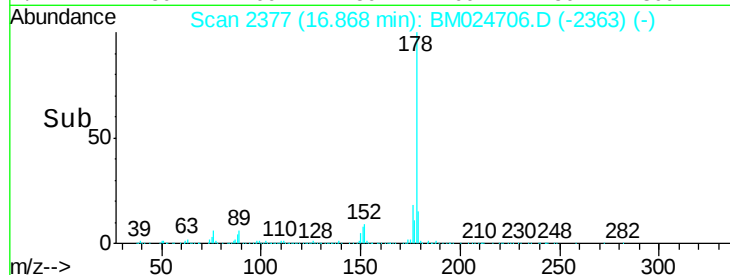
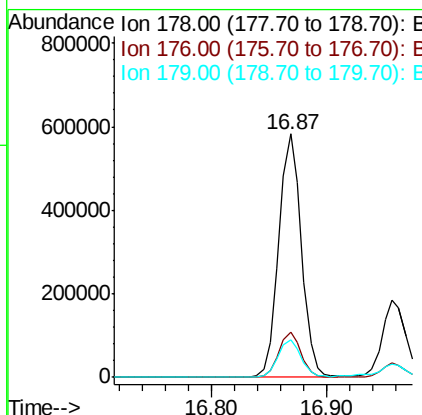
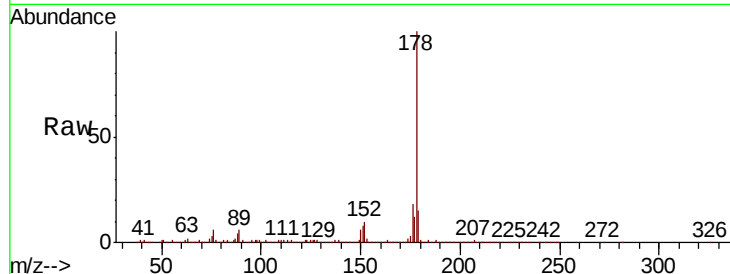




#71
 Phenanthrene
 Concen: 10.252 ng
 RT: 16.87 min Scan# 2377
 Delta R.T. -0.02 min
 Lab File: BM024706.D
 Acq: 03 Feb 2020 19:24

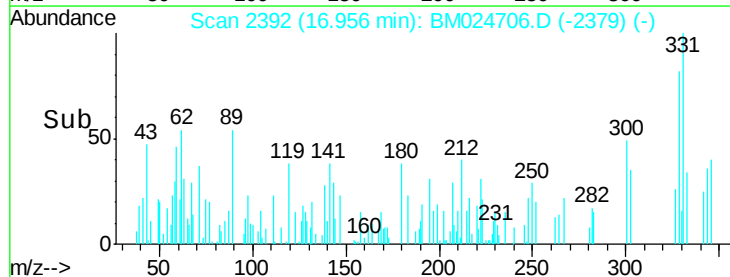
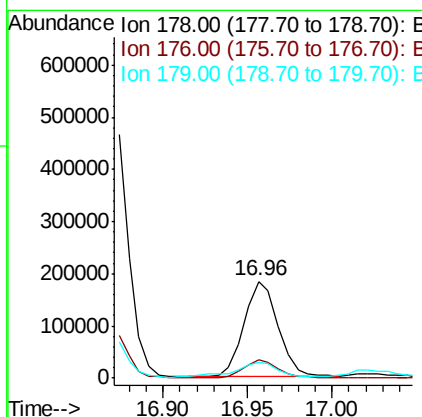
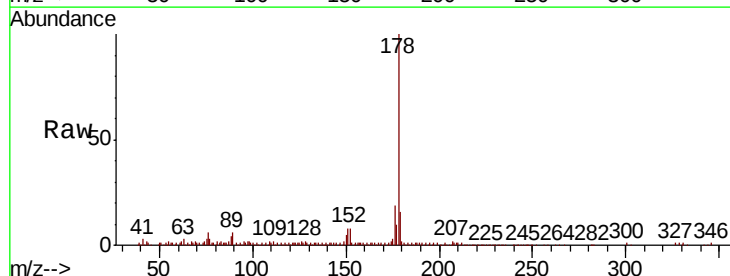
Instrument :
 BNA_M
 ClientSampleId :

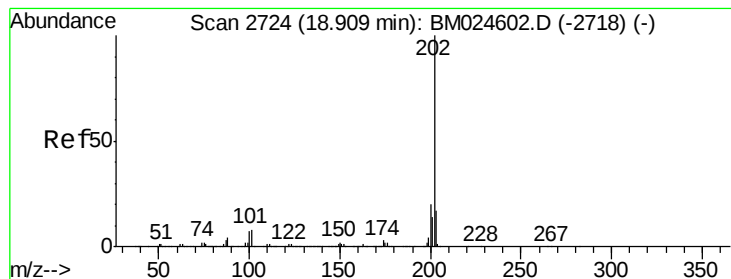
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	15.5	11.9	17.9



#72
 Anthracene
 Concen: 3.345 ng
 RT: 16.96 min Scan# 2392
 Delta R.T. -0.02 min
 Lab File: BM024706.D
 Acq: 03 Feb 2020 19:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.3	21.5
179	16.5	12.1	18.1





#75

Fluoranthene

Concen: 22.015 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

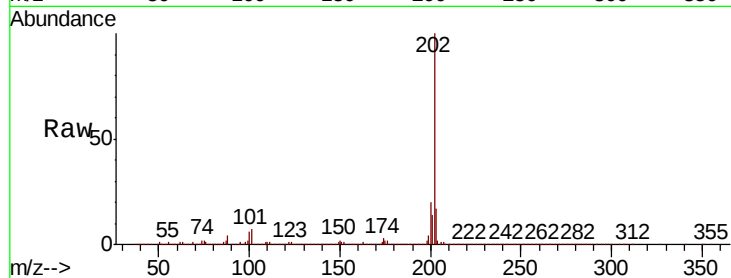
Tot Ion:202 Resp: 2117599

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.4

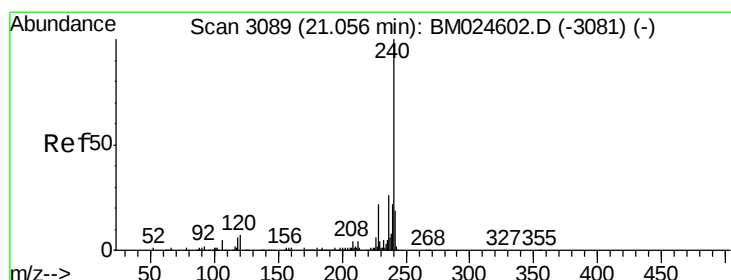
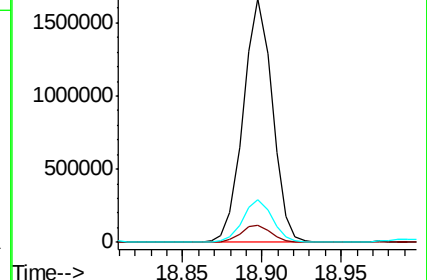
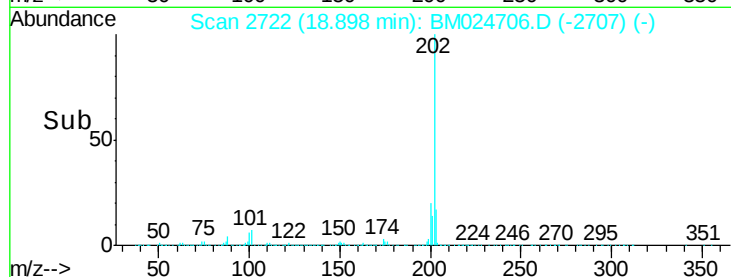
203 17.5 0.0 37.5



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: BM024706.D

Acq: 03 Feb 2020 19:24

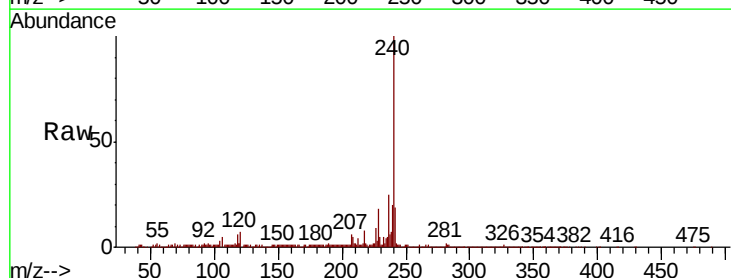
Tgt Ion:240 Resp: 1369215

Ion Ratio Lower Upper

240 100

120 7.0 5.3 7.9

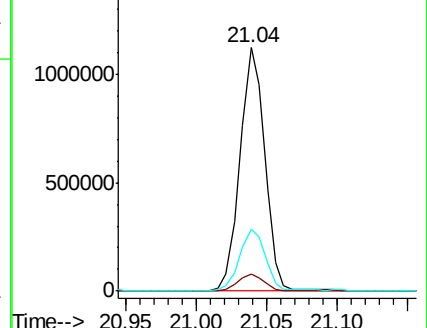
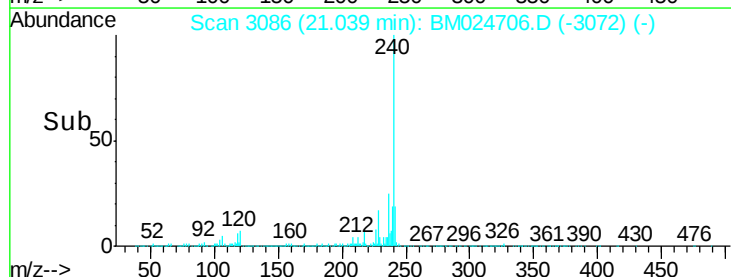
236 25.4 20.6 31.0

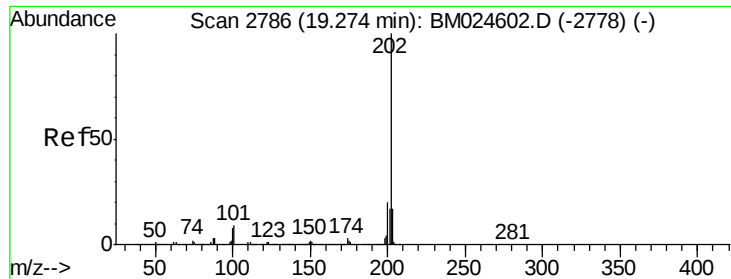


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

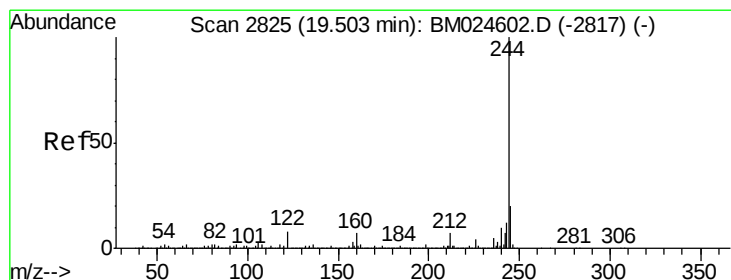
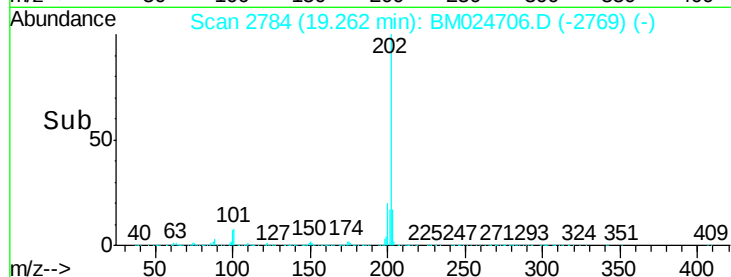
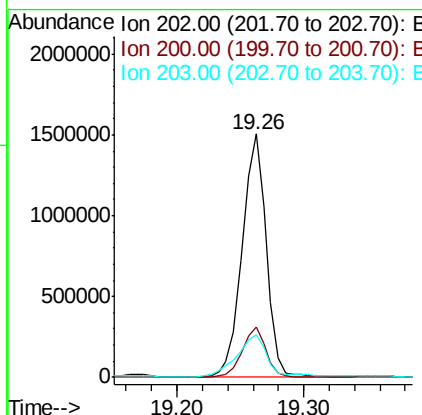
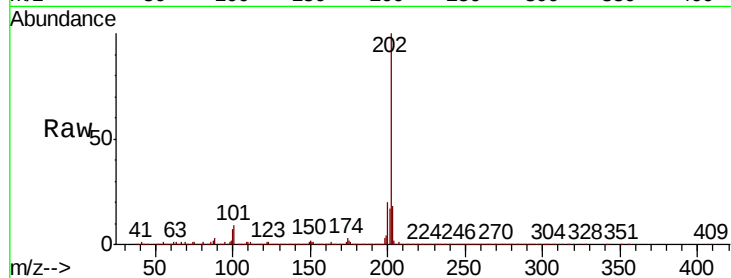




#78
Pvrene
Concen: 21.809 ng
RT: 19.26 min Scan# 2784
Delta R.T. -0.01 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

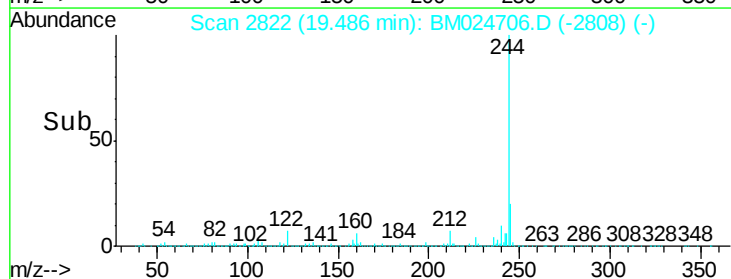
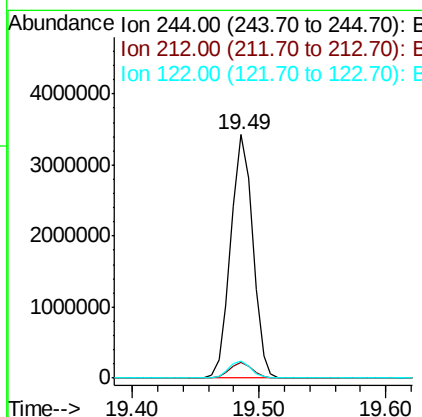
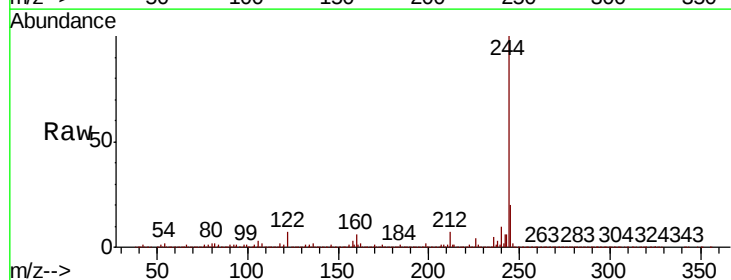
Instrument :
BNA_M
ClientSampleId :

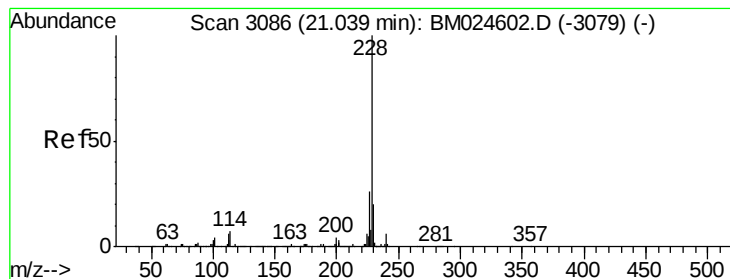
Tot Ion:202 Resp: 1968528
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.7 14.0 21.0



#79
Terphenyl-d14
Concen: 56.116 ng
RT: 19.49 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Tgt Ion:244 Resp: 4115632
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 7.0 6.2 9.4





#81

Benzo(a)anthracene

Concen: 10.338 ng

RT: 21.07 min Scan# 3092

Delta R.T. 0.04 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

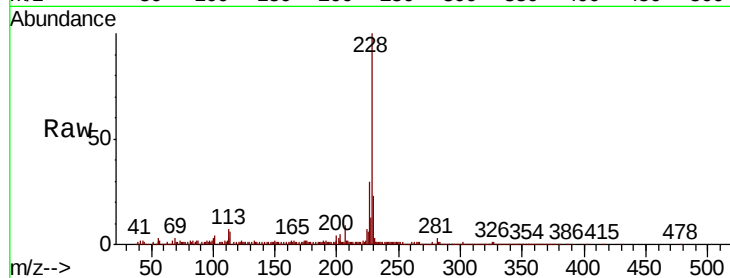
Tot Ion:228 Resp: 982432

Ion Ratio Lower Upper

228 100

226 29.5 21.1 31.7

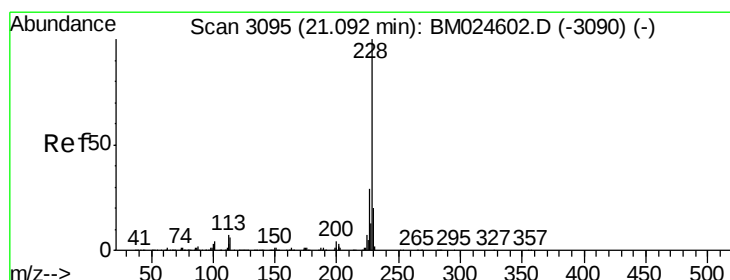
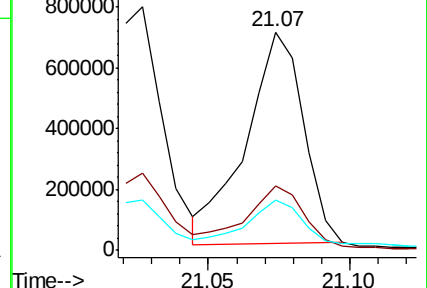
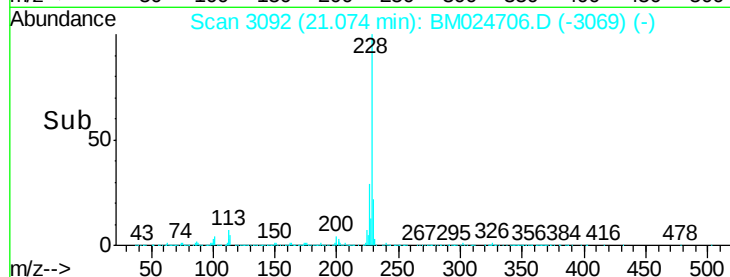
229 22.9 15.8 23.6



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: 11.472 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

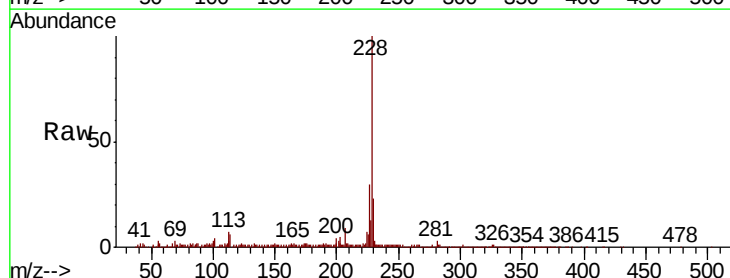
Tgt Ion:228 Resp: 1040307

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

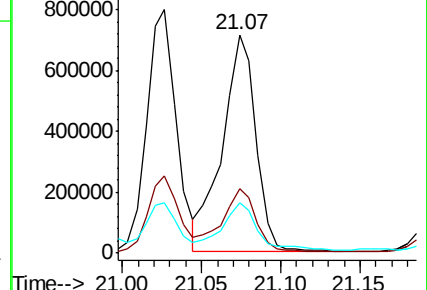
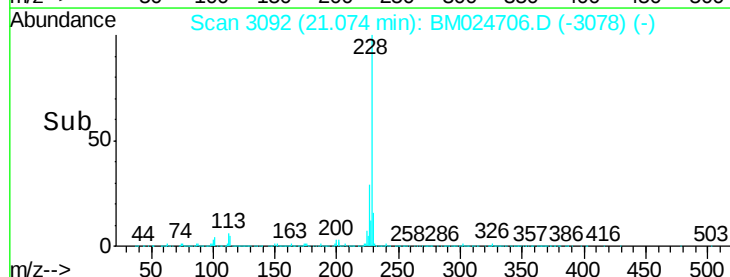
229 22.9 15.7 23.5

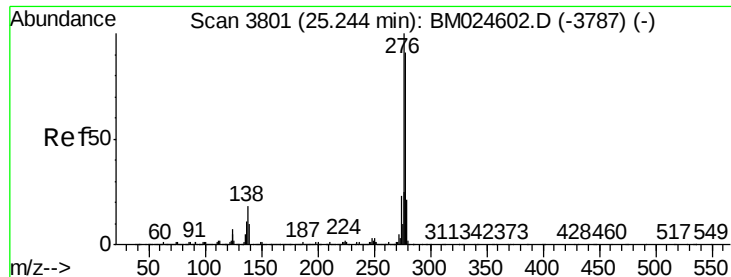


Abundance Ion 228.00 (227.70 to 228.70): E

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: 6.790 ng

RT: 25.21 min Scan# 3796

Delta R.T. -0.03 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

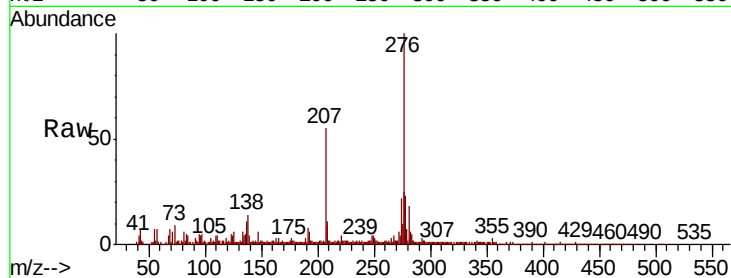
Tot Ion:276 Resp: 671130

Ion Ratio Lower Upper

276 100

138 13.7 13.4 20.0

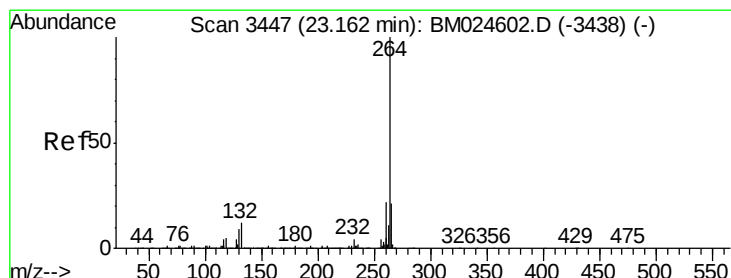
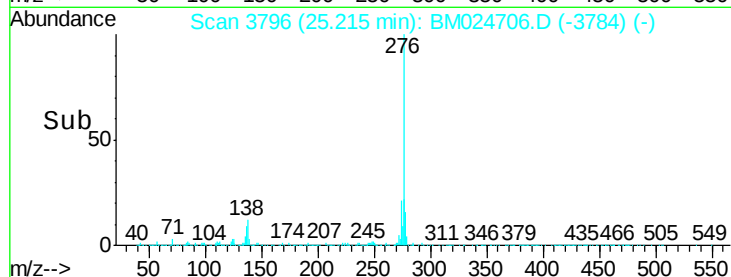
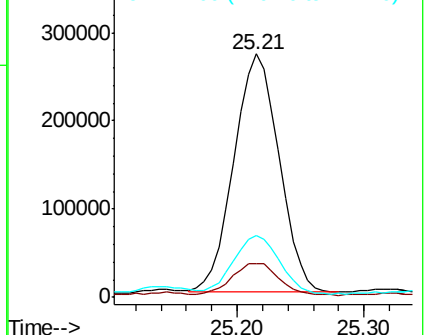
277 25.4 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.15 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

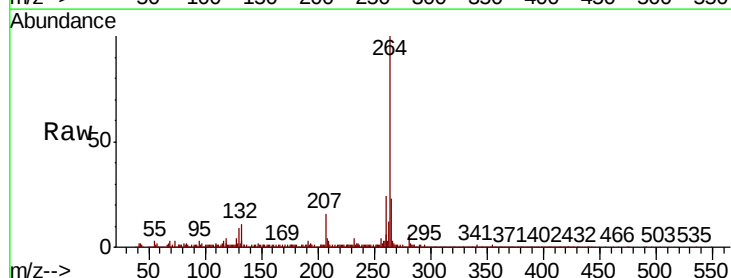
Tgt Ion:264 Resp: 1621294

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

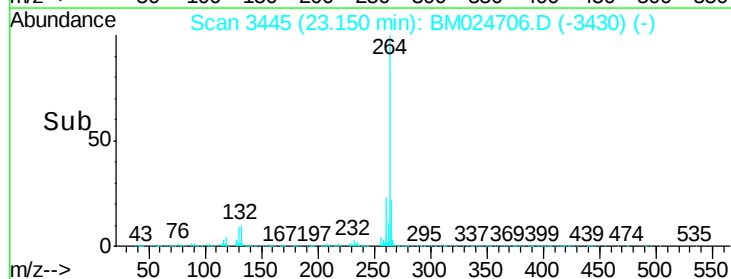
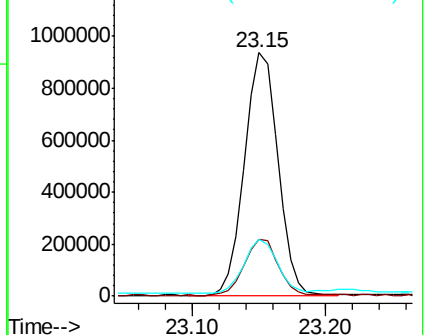
265 23.2 17.3 25.9

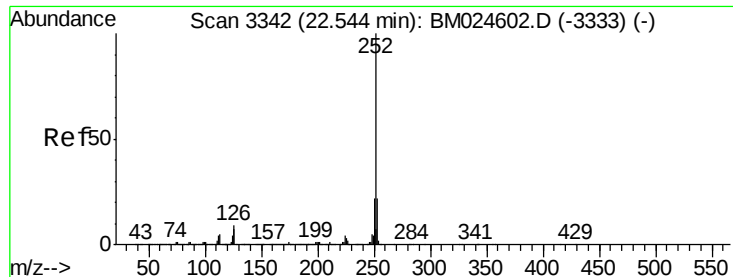


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

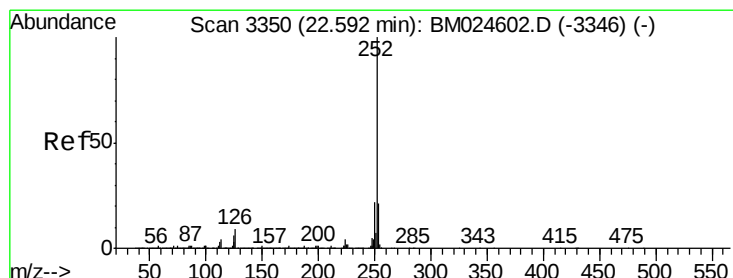
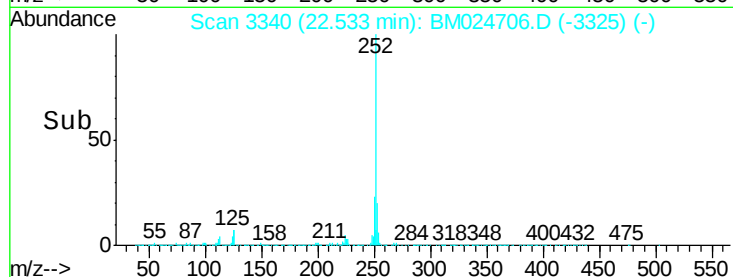
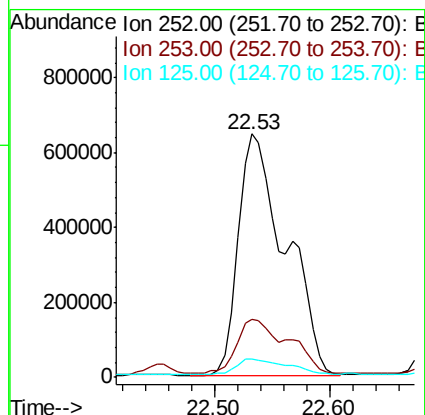
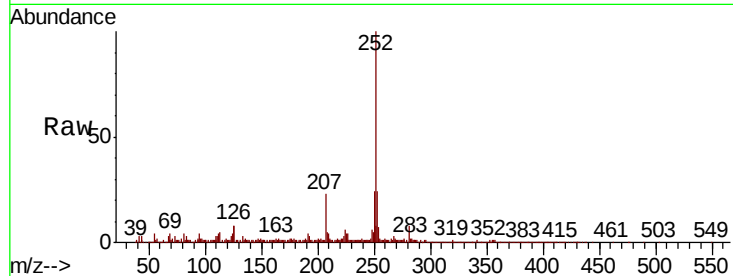




#88
Benzo(b)fluoranthene
Concen: 17.385 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

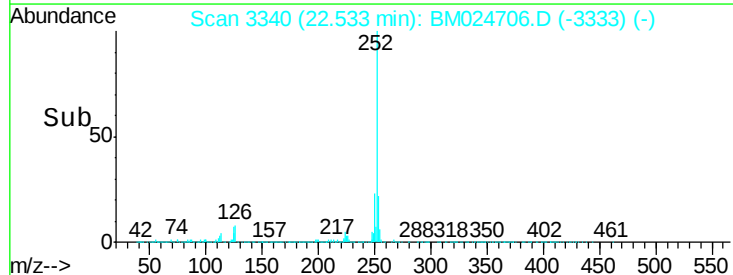
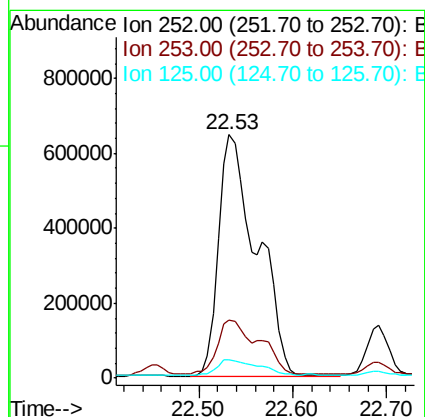
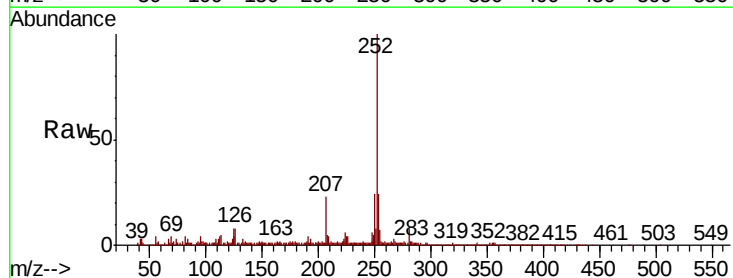
Instrument :
BNA_M
ClientSampleId :

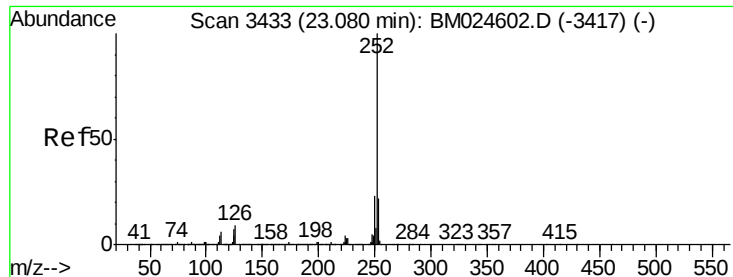
Tot Ion:252 Resp: 1828060
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 7.8 5.7 8.5



#89
Benzo(k)fluoranthene
Concen: 17.826 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.06 min
Lab File: BM024706.D
Acq: 03 Feb 2020 19:24

Tgt Ion:252 Resp: 1829637
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 7.8 5.2 7.8





#90

Benzo(a)pyrene

Concen: 10.581 ng

RT: 23.06 min Scan# 3430

Delta R.T. -0.02 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

Instrument :

BNA_M

ClientSampleId :

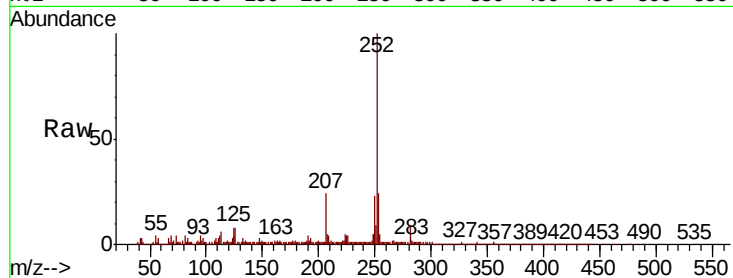
Tot Ion:252 Resp: 1011582

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 7.8 5.8 8.8

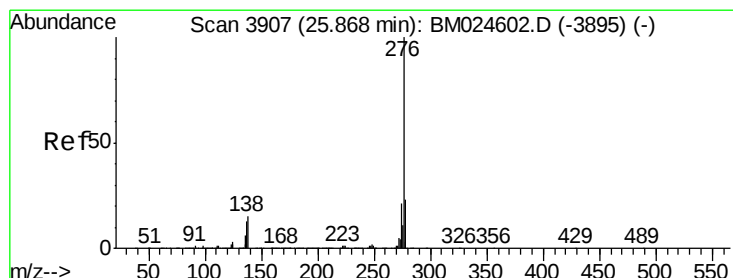
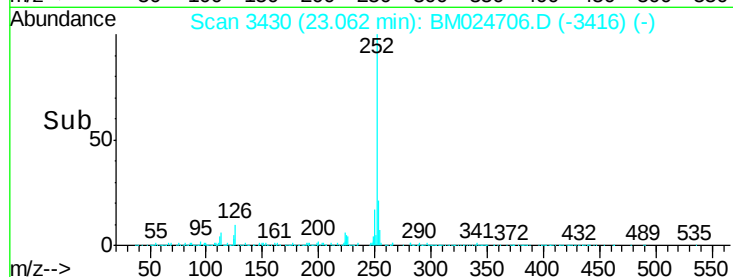
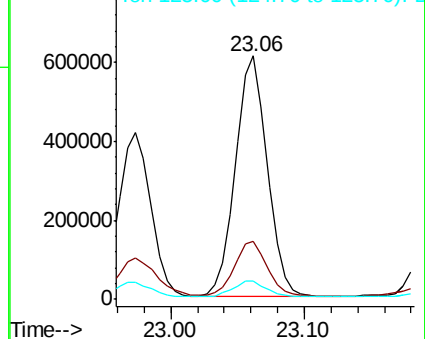


Abundance

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: 8.125 ng

RT: 25.84 min Scan# 3902

Delta R.T. -0.03 min

Lab File: BM024706.D

Acq: 03 Feb 2020 19:24

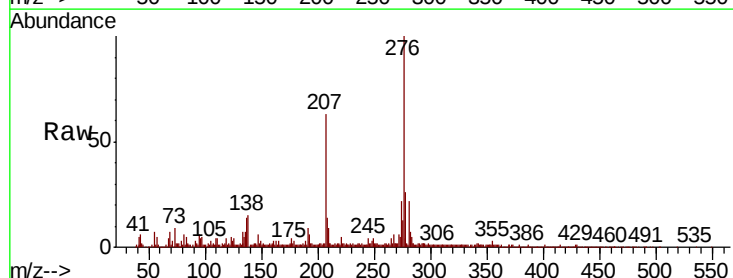
Tgt Ion:276 Resp: 669462

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 14.7 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

