

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022779.D
 Acq On : 25 Sep 2019 19:43
 Operator : JU
 Sample : K4997-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-12-091919

Quant Time: Sep 26 06:02:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	245956	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	866279	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	465507	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	837391	20.00	ng	0.00
76) Chrysene-d12	21.37	240	835142	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1038118	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	2075090	133.81	ng	0.00
7) Phenol-d6	6.99	99	2709416	136.02	ng	0.00
23) Nitrobenzene-d5	8.97	82	1553036	99.52	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	888652	152.92	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3607283	106.71	ng	0.00
79) Terphenyl-d14	19.82	244	4309091	99.91	ng	0.00

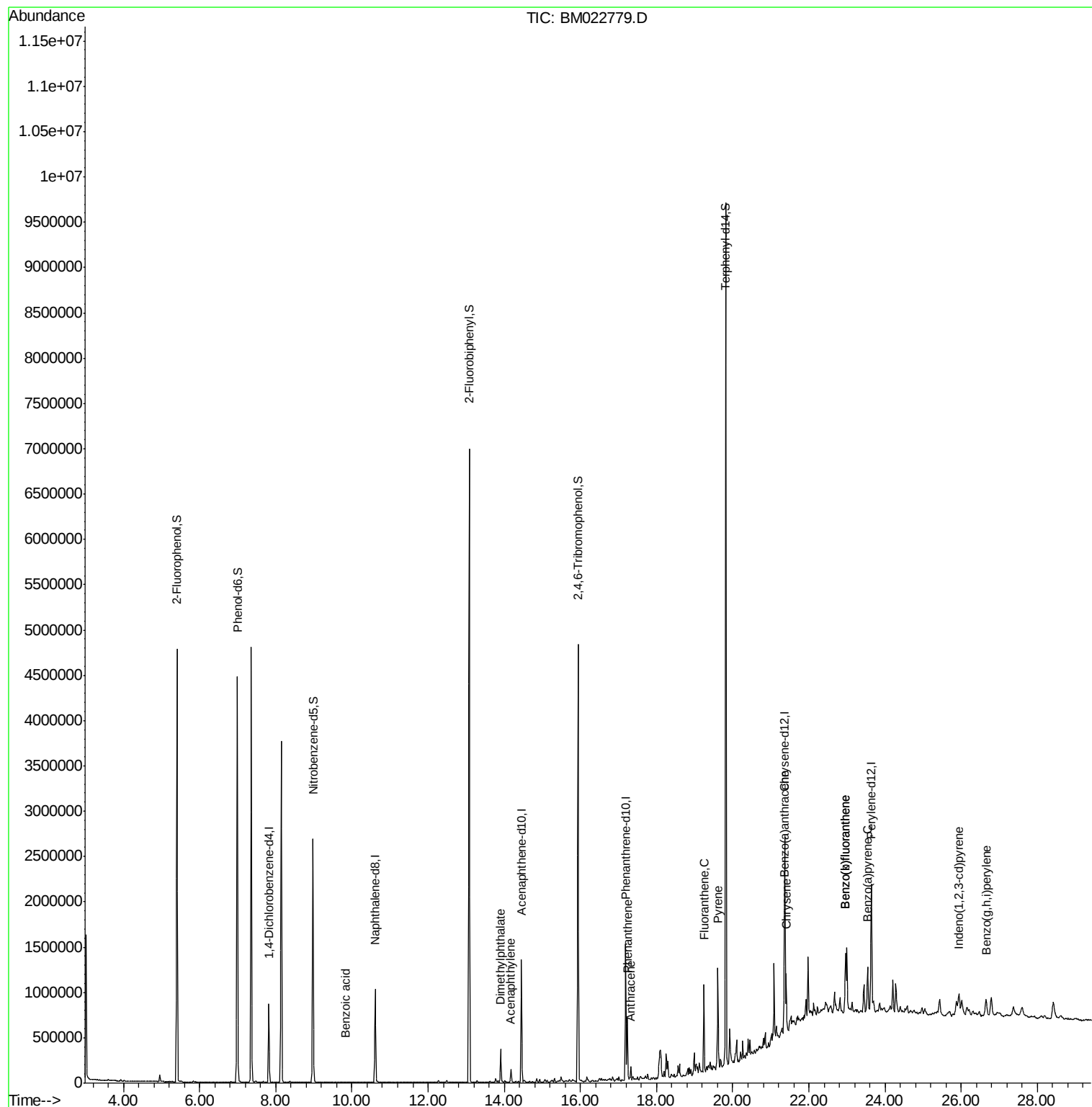
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.85	122	1086	4.056	ng	# 70
49) Acenaphthylene	14.17	152	112449	2.644	ng	100
50) Dimethylphthalate	13.91	163	227445	6.761	ng	99
71) Phenanthrene	17.23	178	399914	8.464	ng	100
72) Anthracene	17.32	178	101825	2.224	ng	98
75) Fluoranthene	19.24	202	545216	10.226	ng	99
78) Pyrene	19.61	202	635165	11.605	ng	100
81) Benzo(a)anthracene	21.35	228	299298	5.530	ng	95
83) Chrysene	21.40	228	345659	6.587	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	204835	3.270	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	512517	8.154	ng	98
89) Benzo(k)fluoranthene	22.96	252	512833	8.223	ng	98
90) Benzo(a)pyrene	23.54	252	301695	5.209	ng	98
92) Benzo(a,h,i)perylene	26.65	276	217649	3.782	ng	99

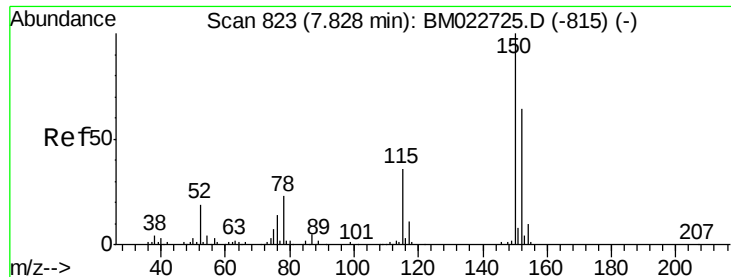
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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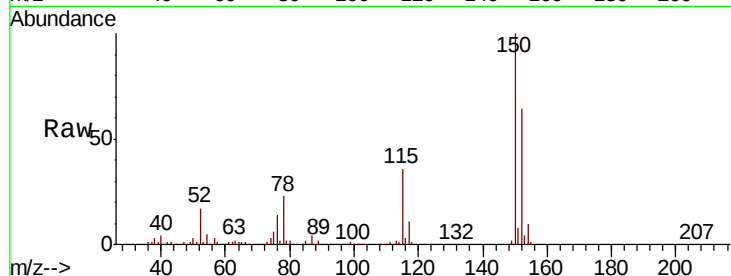


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
WC-12-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.5	186.7
115	56.4	45.0	67.4

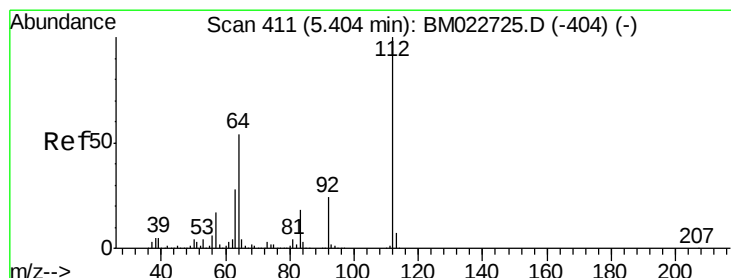
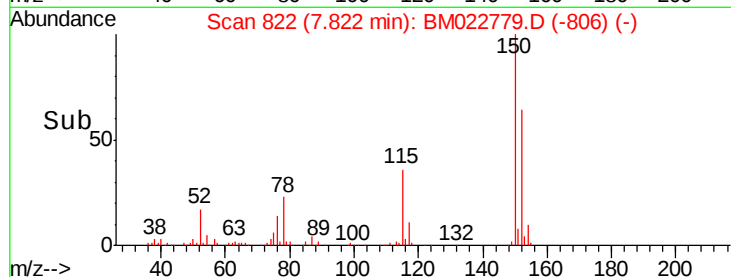
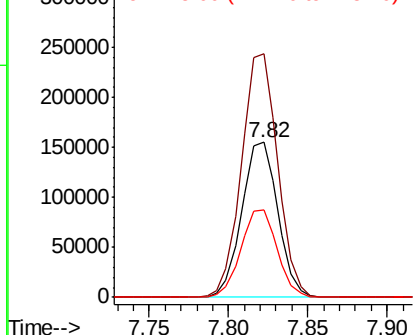


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

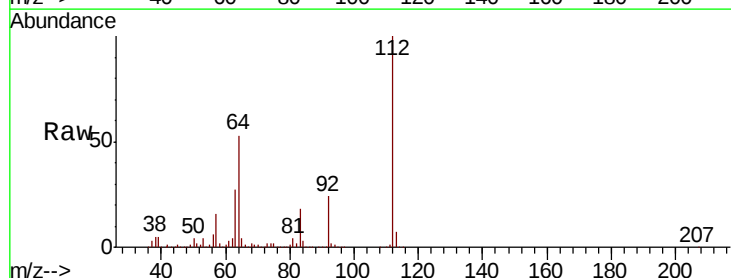
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.805 ng
RT: 5.40 min Scan# 411
Delta R.T. 0.00 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.4	65.2
63	27.4	22.1	33.1

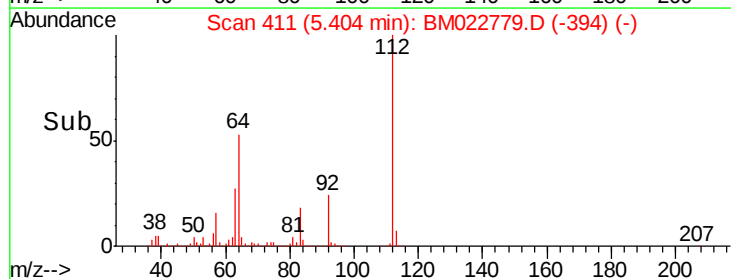
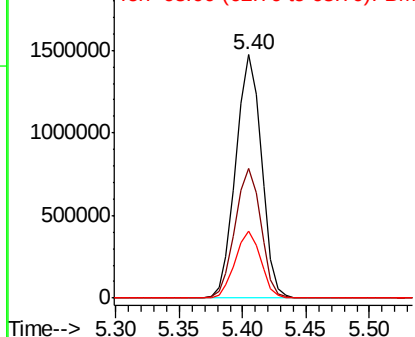


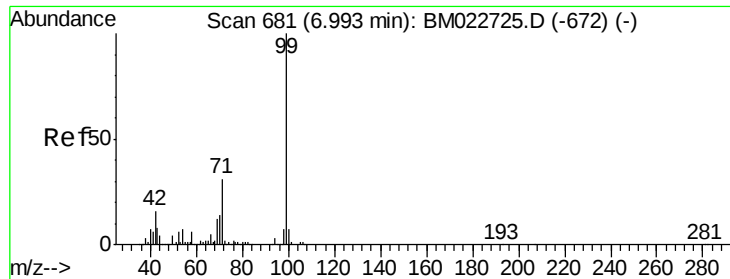
Abundance

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: 136.024 ng

RT: 6.99 min Scan# 681

Delta R.T. 0.00 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

WC-12-091919

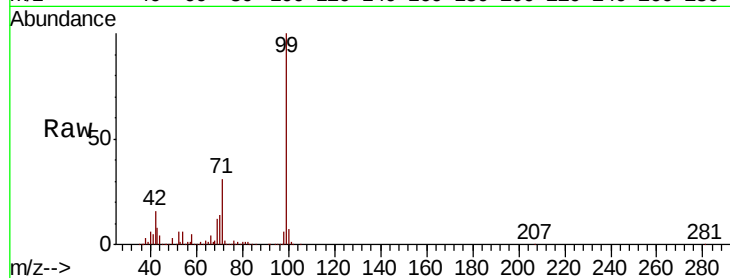
Tot Ion: 99 Resp: 2709416

Ion Ratio Lower Upper

99 100

42 15.5 13.0 19.4

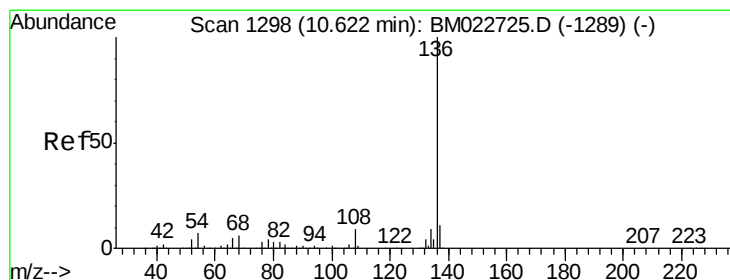
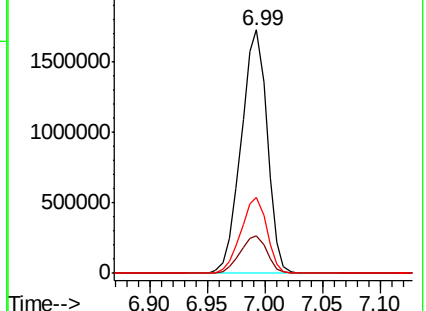
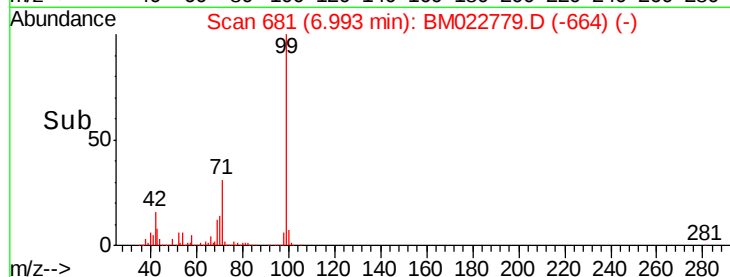
71 31.0 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BM022779.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022779.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022779.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Tgt Ion: 136 Resp: 866279

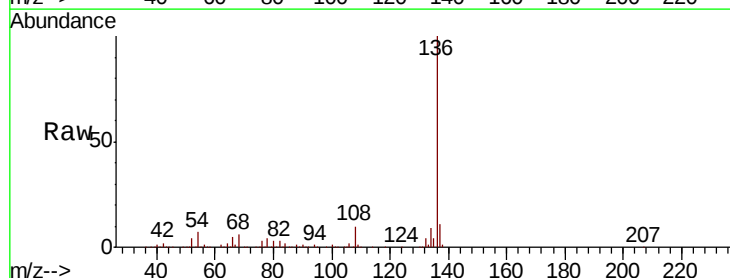
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.2 6.0 9.0

68 5.8 4.9 7.3

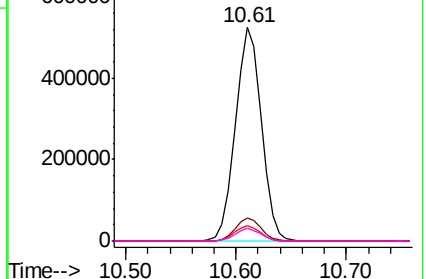
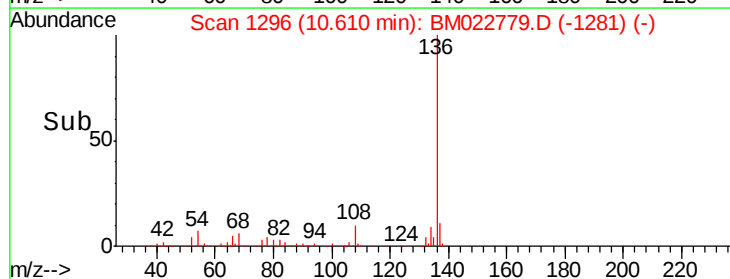


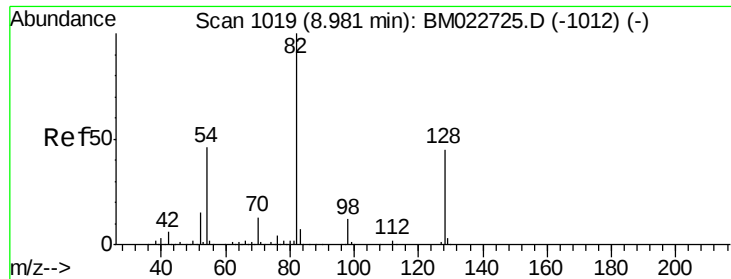
Abundance Ion 136.00 (135.70 to 136.70): BM022779.D (-1281) (-)

Ion 137.00 (136.70 to 137.70): BM022779.D (-1281) (-)

Ion 54.00 (53.70 to 54.70): BM022779.D (-1281) (-)

Ion 68.00 (67.70 to 68.70): BM022779.D (-1281) (-)

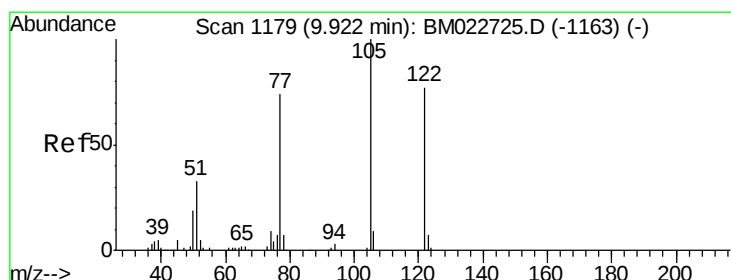
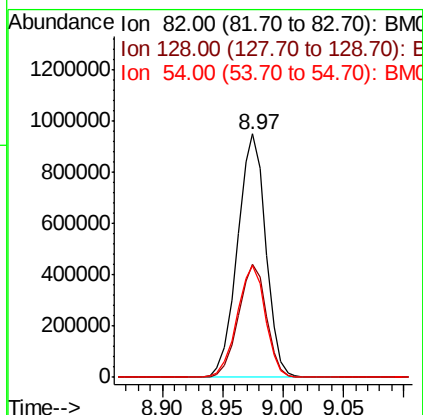
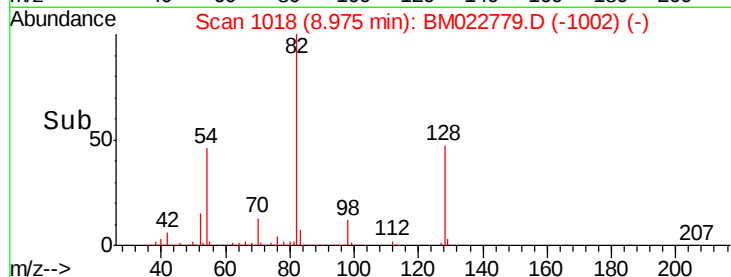
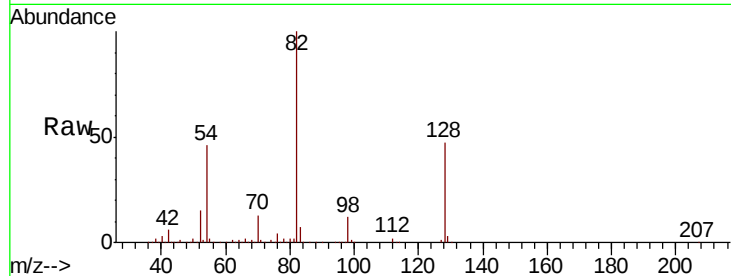




#23
Nitrobenzene-d5
Concen: 99.517 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

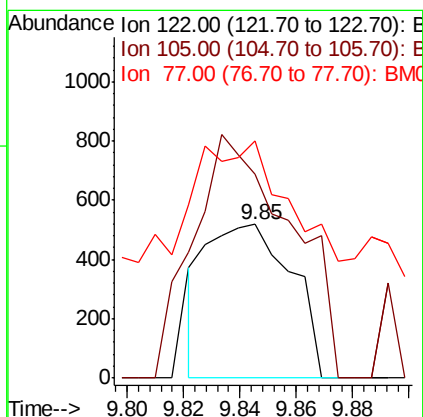
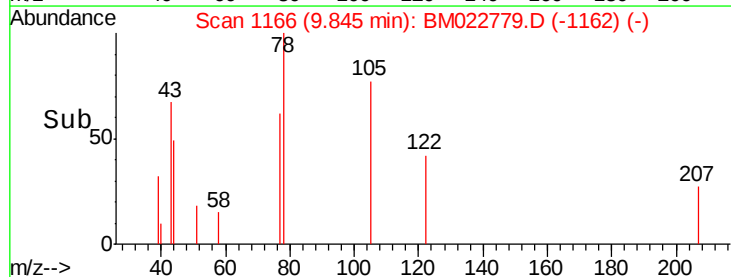
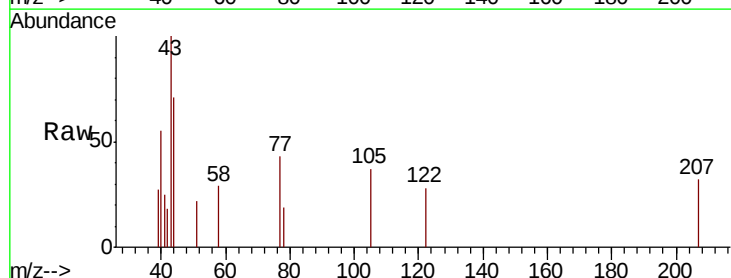
Instrument :
BNA_M
ClientSampleId :
WC-12-091919

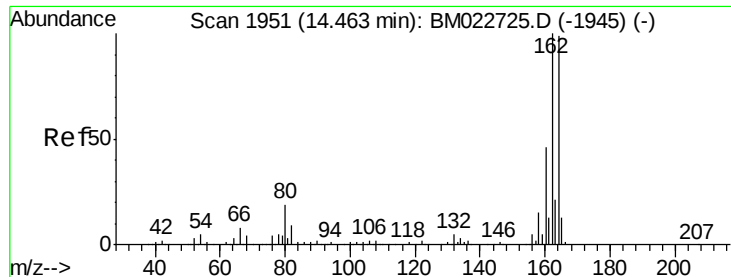
Tot Ion: 82 Resp: 1553036
Ion Ratio Lower Upper
82 100
128 46.7 36.0 54.0
54 45.8 37.1 55.7



#32
Benzoic acid
Concen: 4.056 ng
RT: 9.85 min Scan# 1166
Delta R.T. -0.08 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt Ion: 122 Resp: 1086
Ion Ratio Lower Upper
122 100
105 132.8 105.3 145.3
77 154.2 74.7 114.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

WC-12-091919

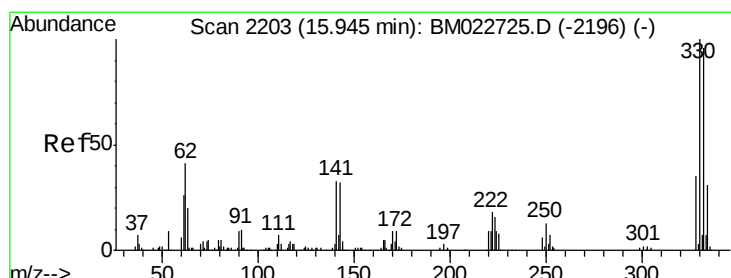
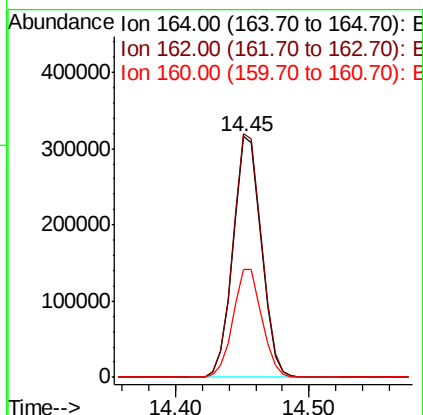
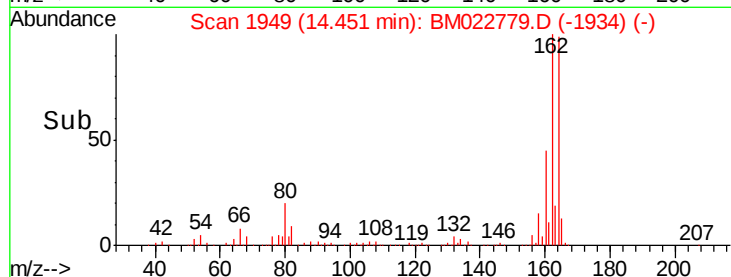
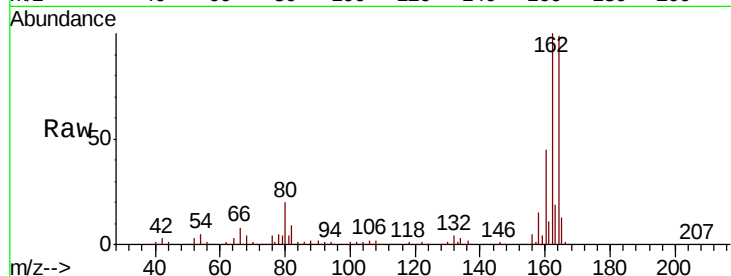
Tot Ion:164 Resp: 465507

Ion Ratio Lower Upper

164 100

162 101.1 81.1 121.7

160 45.0 36.9 55.3



#42

2,4,6-Tribromophenol

Concen: 152.923 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

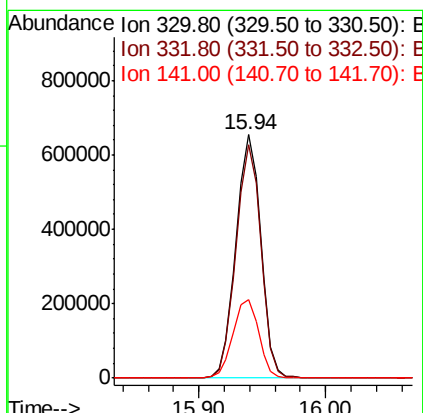
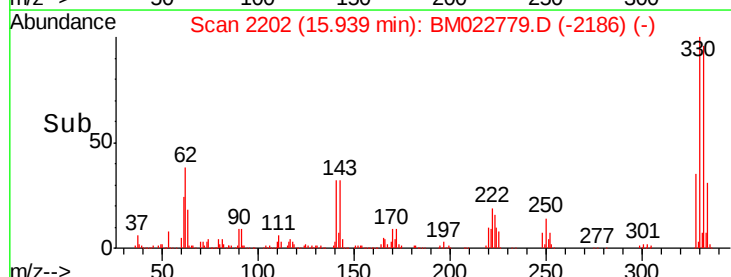
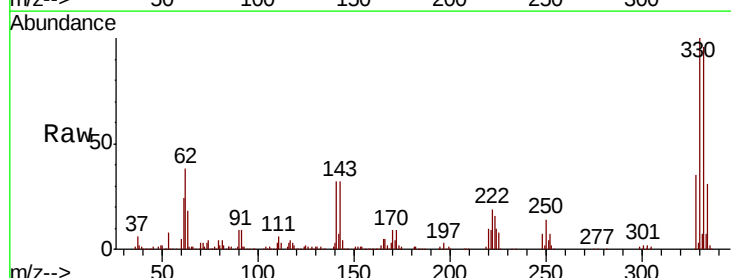
Tgt Ion:330 Resp: 888652

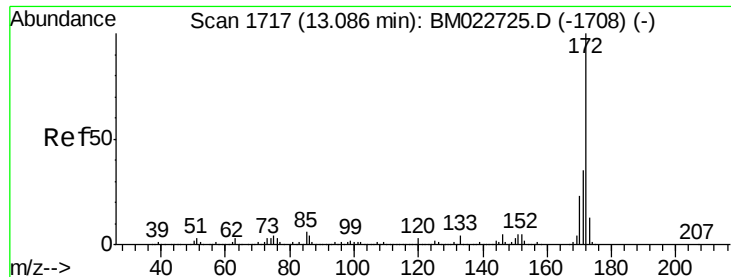
Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

141 33.2 28.6 42.8

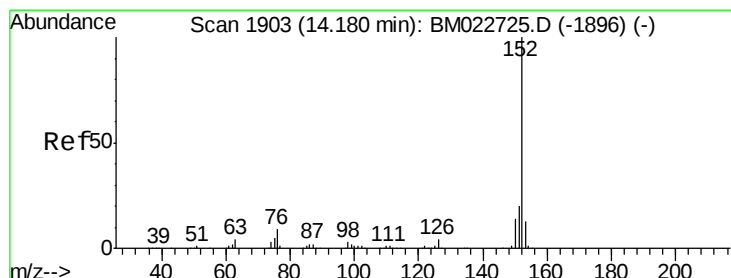
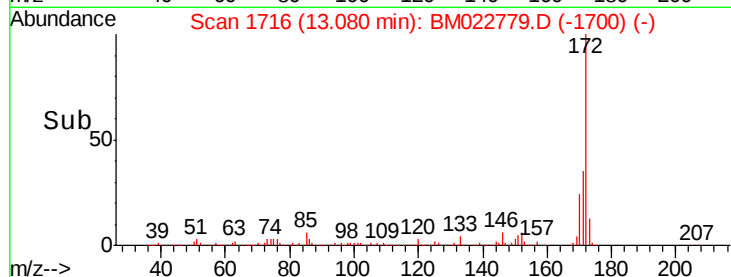
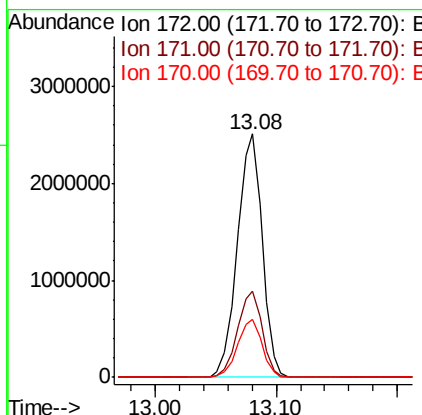
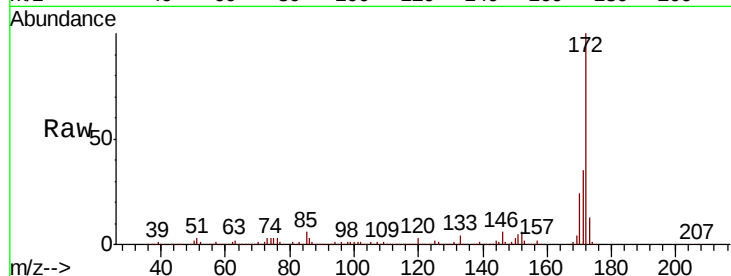




#45
2-Fluorobiphenyl
Concen: 106.709 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

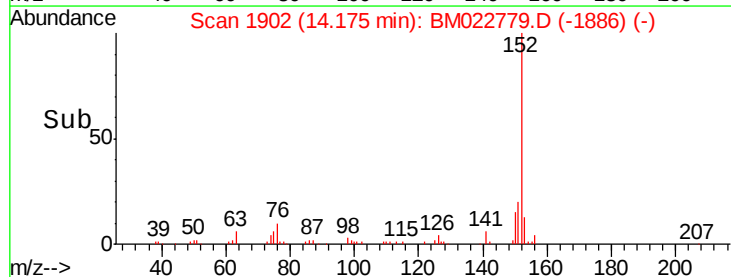
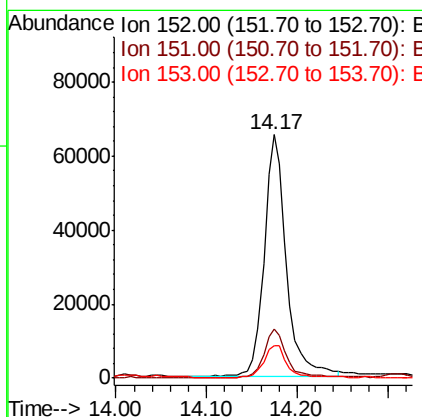
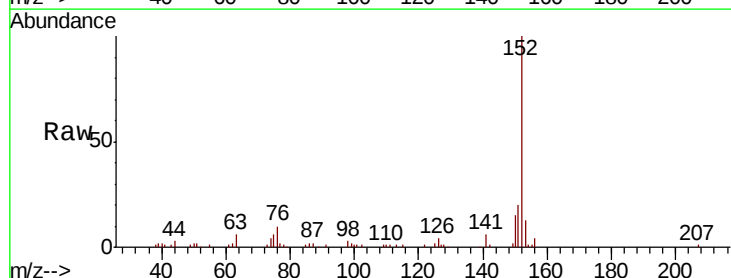
Instrument :
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WC-12-091919

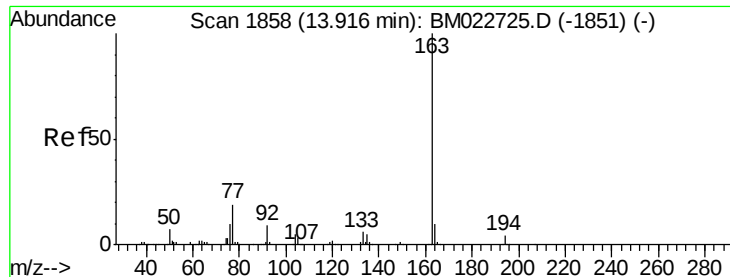
Tot Ion:172 Resp: 3607283
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.6 18.7 28.1



#49
Acenaphthylene
Concen: 2.644 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt Ion:152 Resp: 112449
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.4 10.5 15.7





#50

Dimethylphthalate

Concen: 6.761 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

WC-12-091919

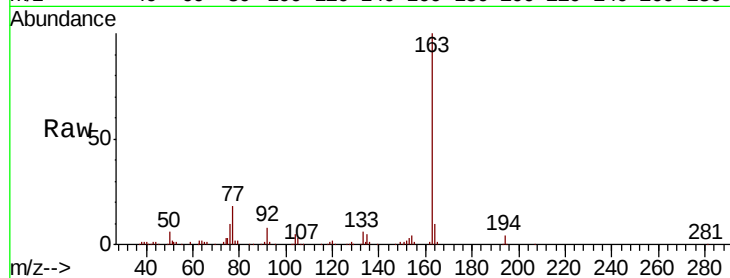
Tot Ion:163 Resp: 227445

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

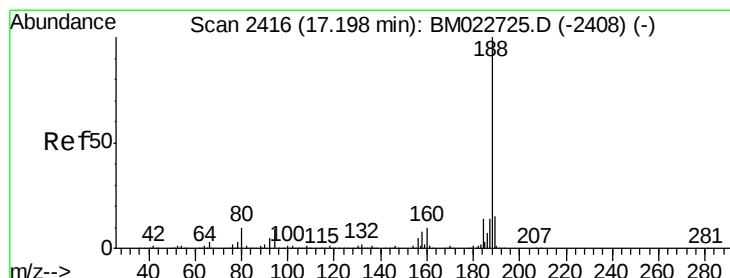
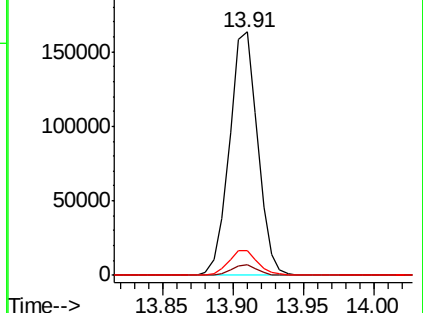
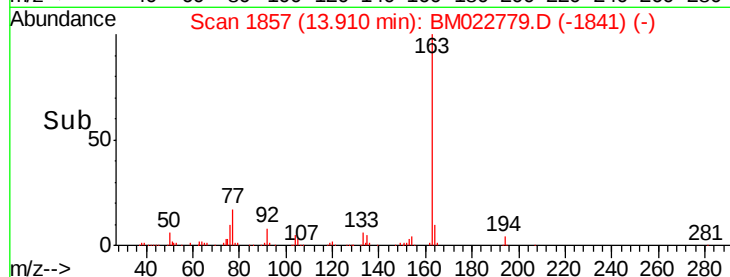
164 9.9 8.2 12.2



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: 17.19 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

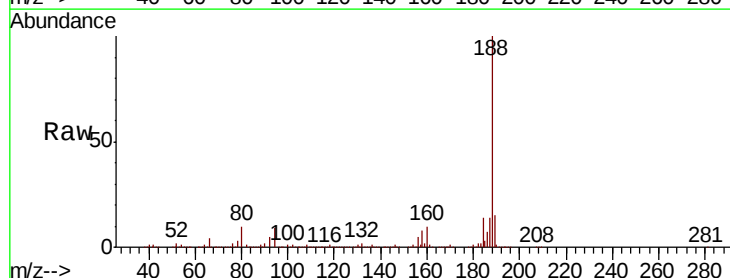
Tgt Ion:188 Resp: 837391

Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

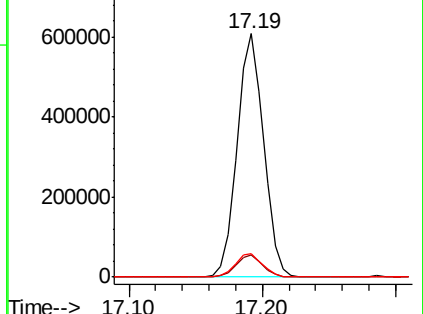
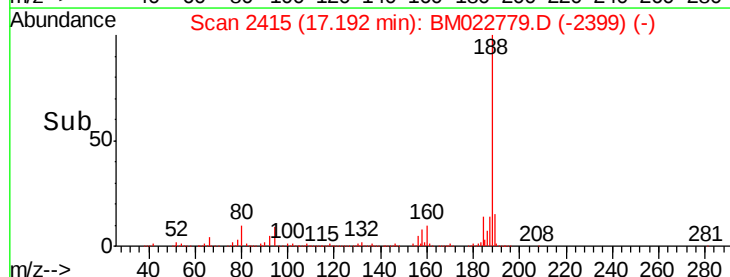
80 9.9 7.8 11.8

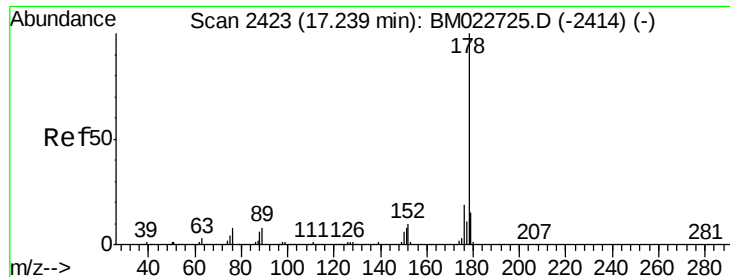


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

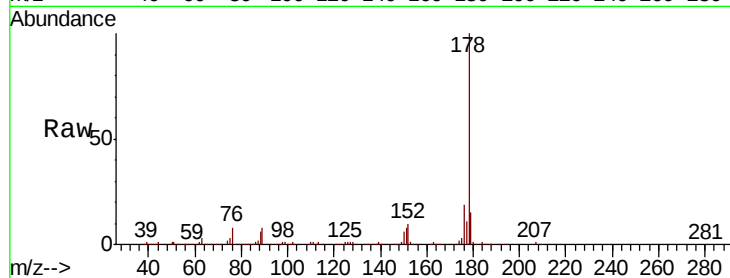




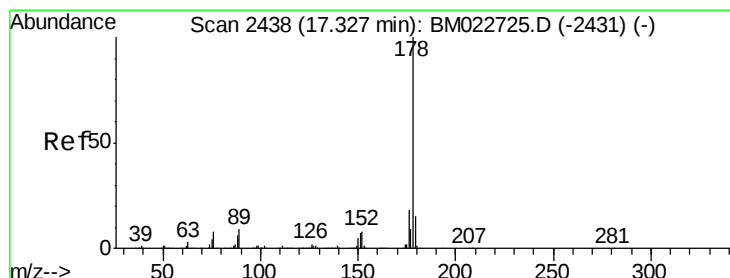
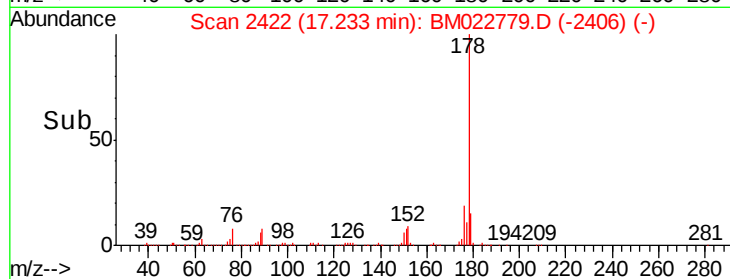
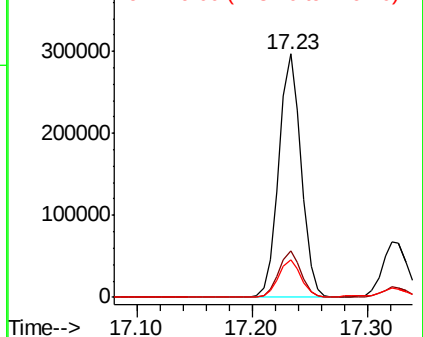
#71
Phenanthrene
Concen: 8.464 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
WC-12-091919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.4	12.3	18.5

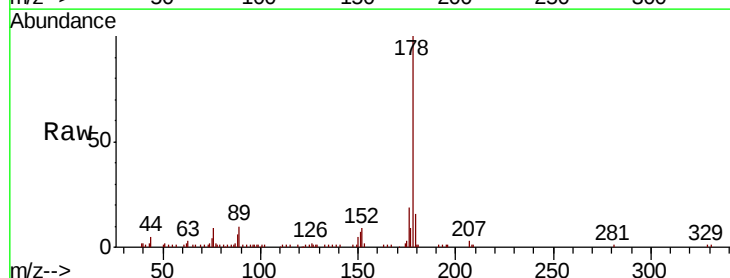


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

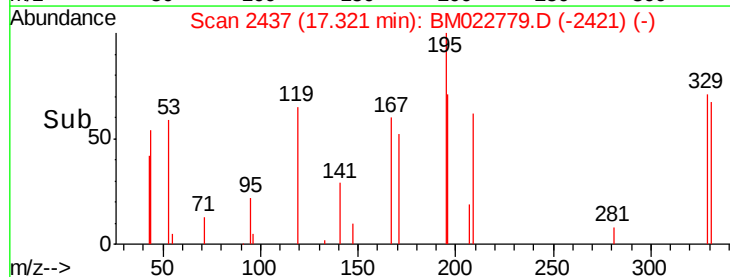
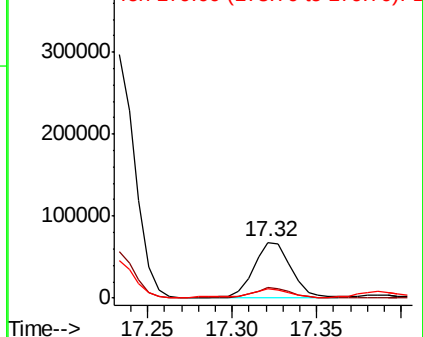


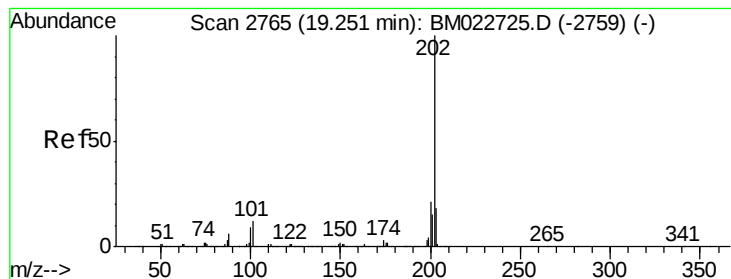
#72
Anthracene
Concen: 2.224 ng
RT: 17.32 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.9	12.2	18.4



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: 10.226 ng

RT: 19.24 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

WC-12-091919

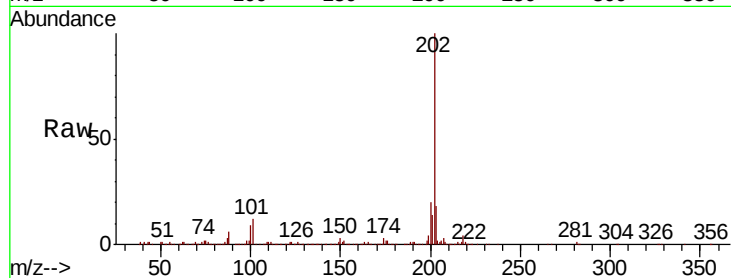
Tot Ion:202 Resp: 545216

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.1

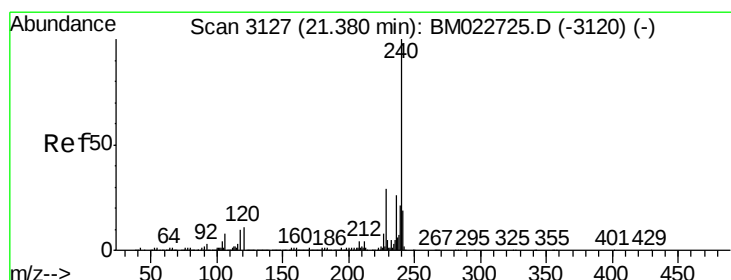
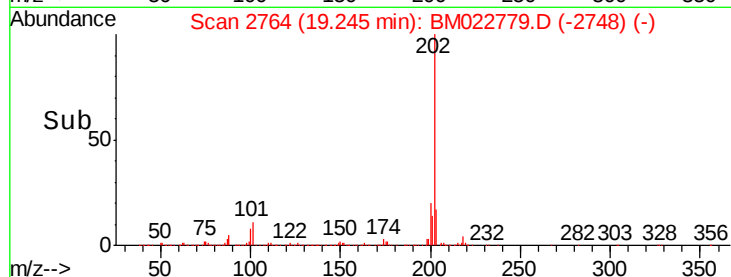
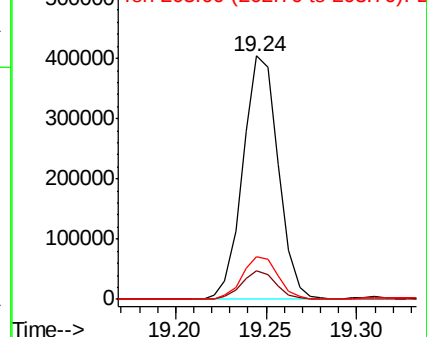
203 17.8 0.0 37.7



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: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

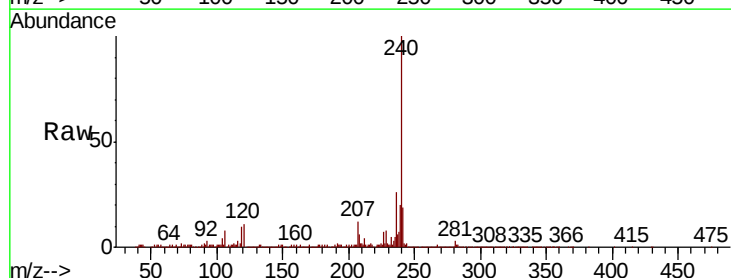
Tgt Ion:240 Resp: 835142

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

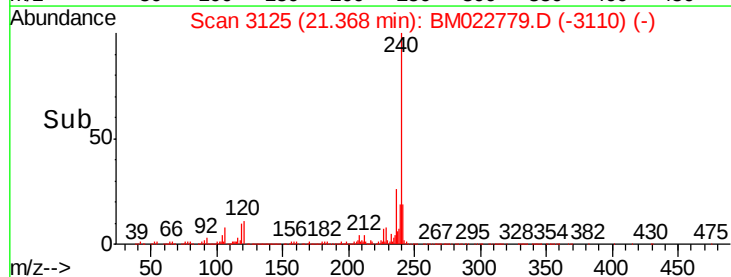
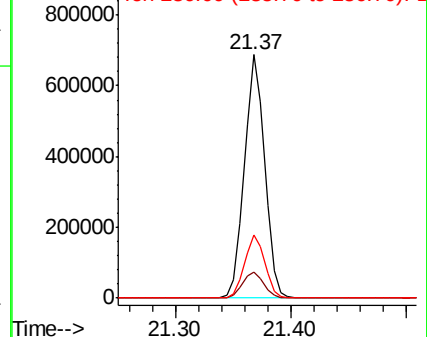
236 25.8 20.8 31.2

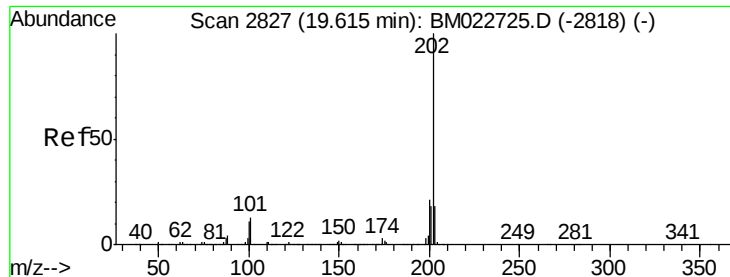


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

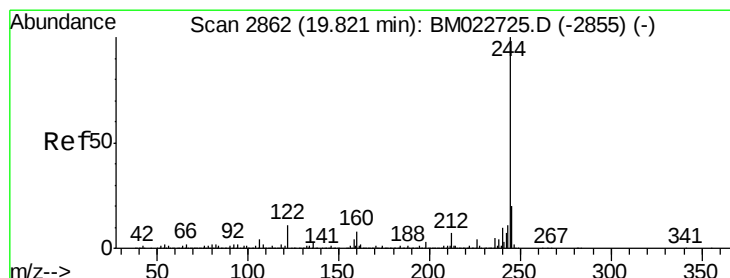
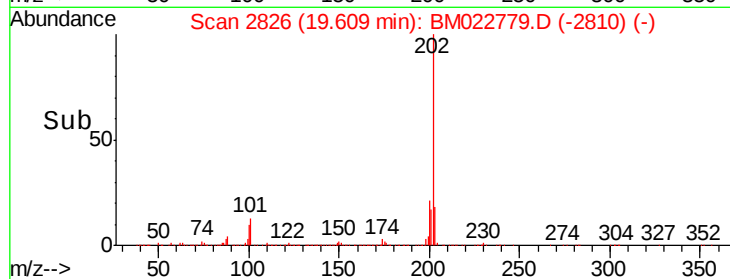
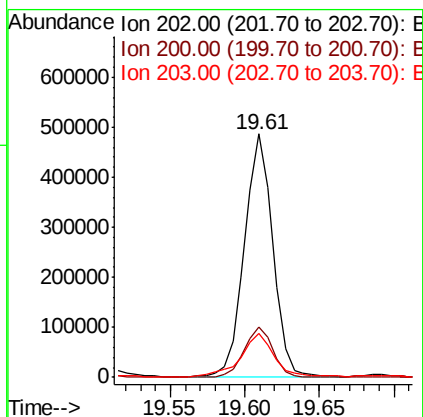
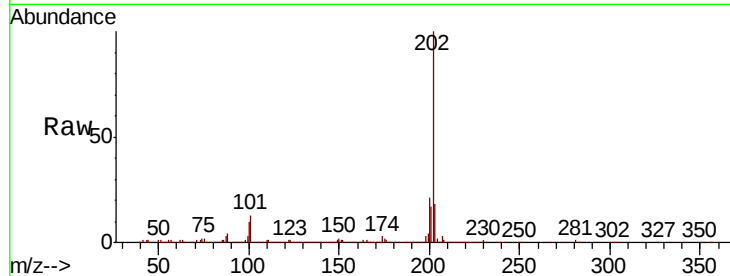




#78
Pvrene
Concen: 11.605 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

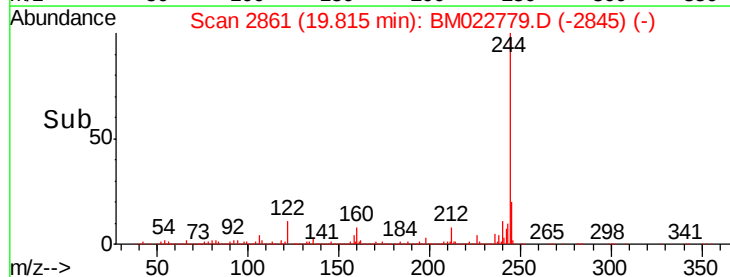
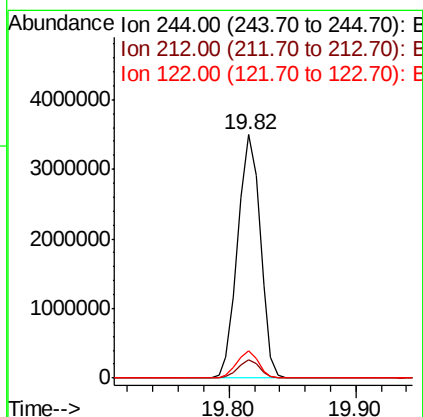
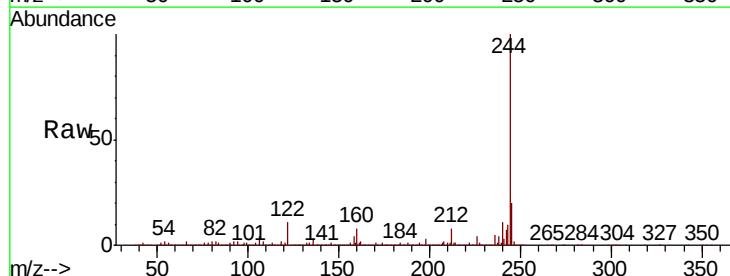
Instrument :
BNA_M
ClientSampleId :
WC-12-091919

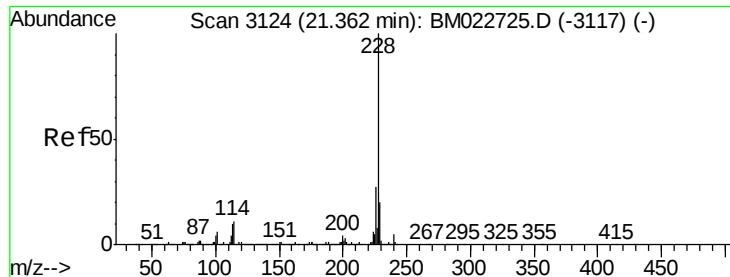
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1



#79
Terphenyl-d14
Concen: 99.911 ng
RT: 19.82 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.0	9.0	13.4

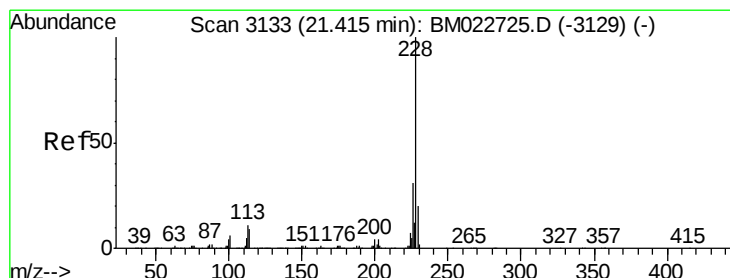
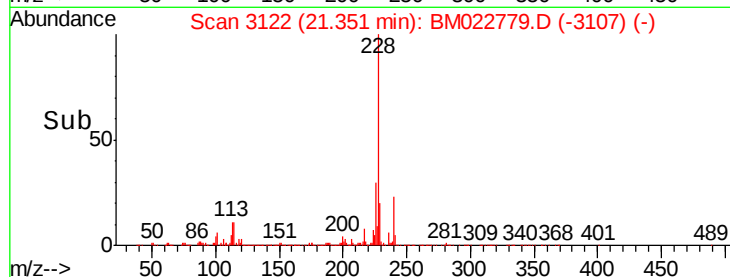
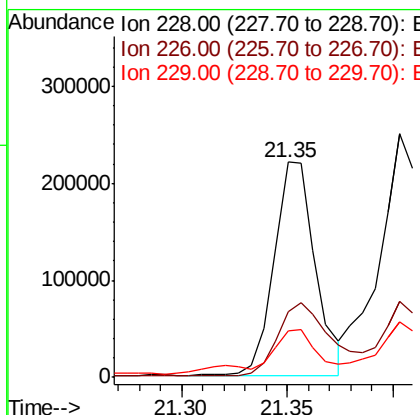
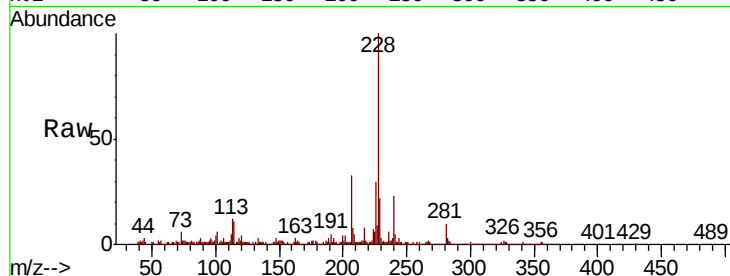




#81
Benzo(a)anthracene
Concen: 5.530 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

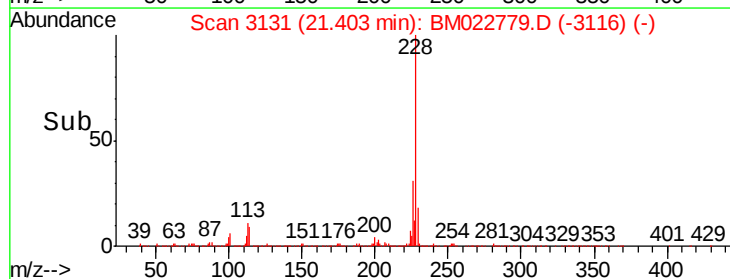
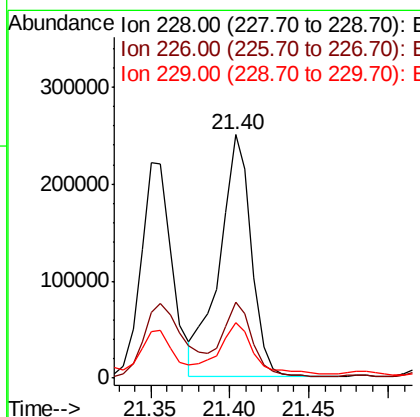
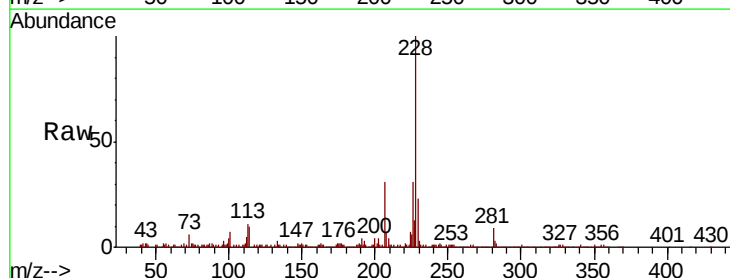
Instrument :
BNA_M
ClientSampleId :
WC-12-091919

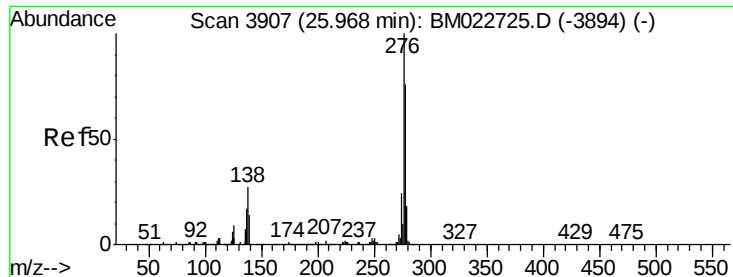
Tot	Ion:228	Resp:	299298
Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.0	33.0
229	21.9	15.9	23.9



#83
Chrysene
Concen: 6.587 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022779.D
Acq: 25 Sep 2019 19:43

Tgt	Ion:228	Resp:	345659
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	22.6	15.9	23.9

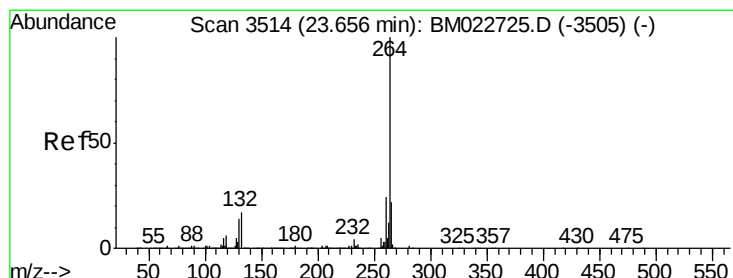
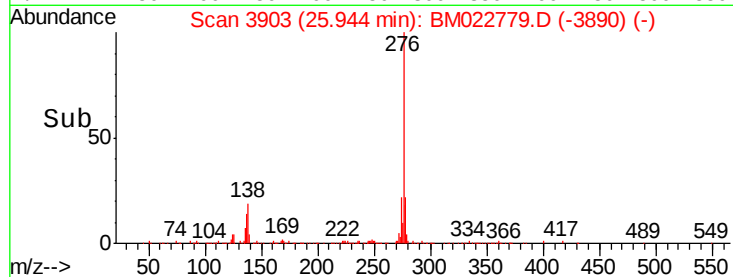
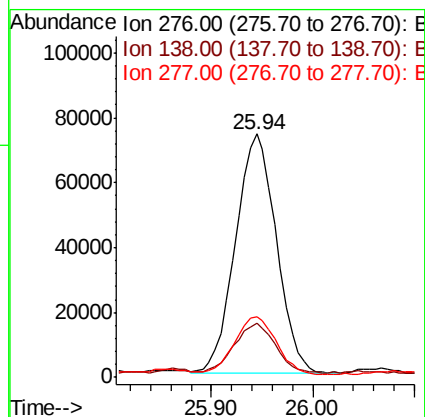
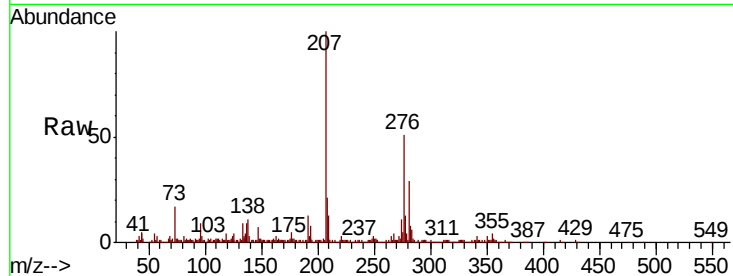




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.270 ng
 RT: 25.94 min Scan# 3903
 Delta R.T. -0.02 min
 Lab File: BM022779.D
 Acq: 25 Sep 2019 19:43

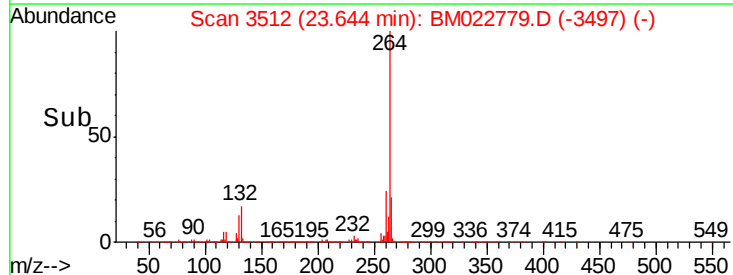
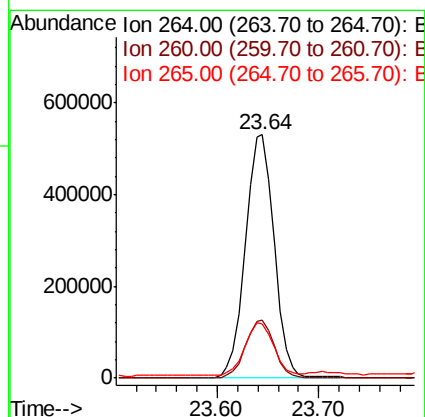
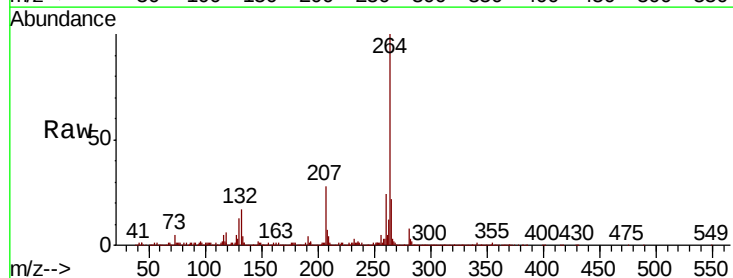
Instrument :
 BNA_M
 ClientSampleId :
 WC-12-091919

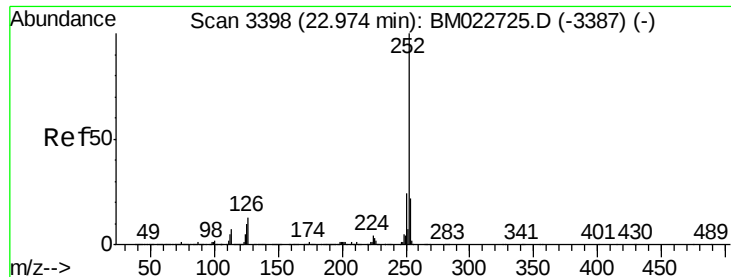
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	0.0	0.0#
277	24.9	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM022779.D
 Acq: 25 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.3	17.9	26.9





#88

Benzo(b)fluoranthene

Concen: 8.154 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

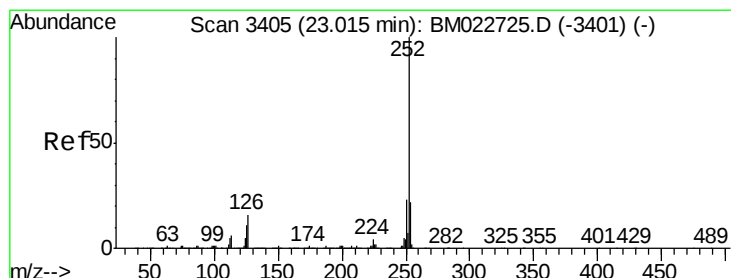
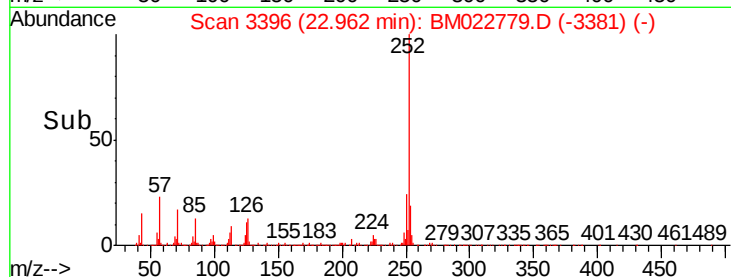
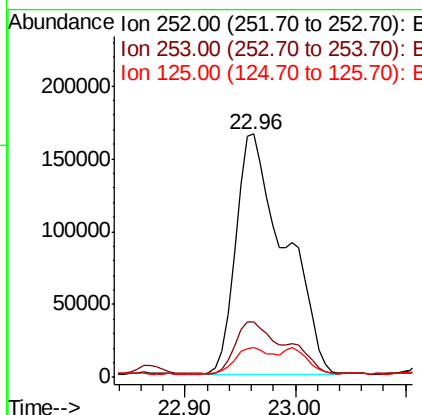
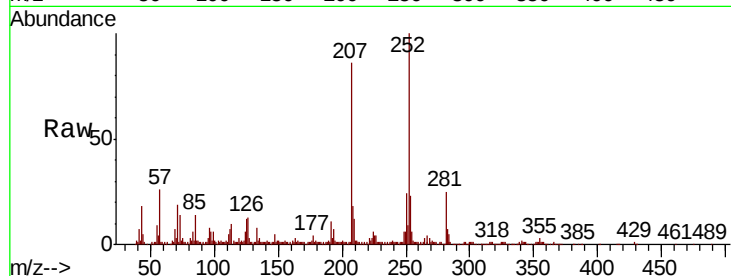
Instrument :

BNA_M

ClientSampleId :

WC-12-091919

Tot Ion:252	Resp:	512517
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.7 26.5
125	12.2	8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 8.223 ng

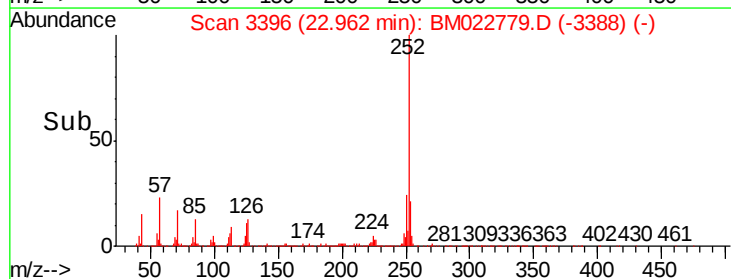
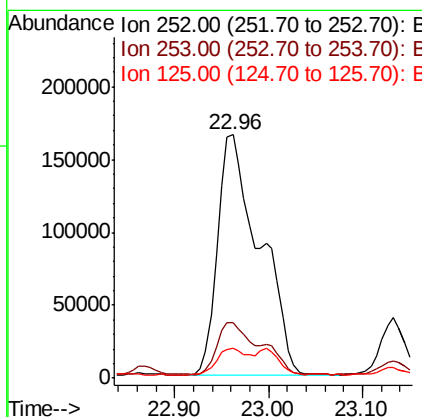
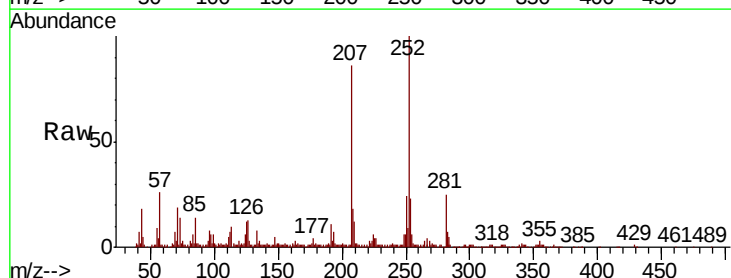
RT: 22.96 min Scan# 3396

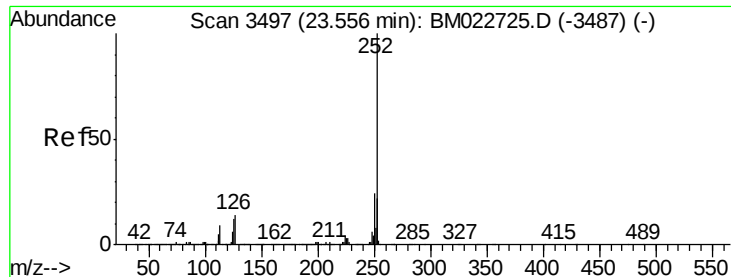
Delta R.T. -0.05 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Tgt Ion:252	Resp:	512833
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.7 26.5
125	12.2	8.5 12.7





#90

Benzo(a)pyrene

Concen: 5.209 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

WC-12-091919

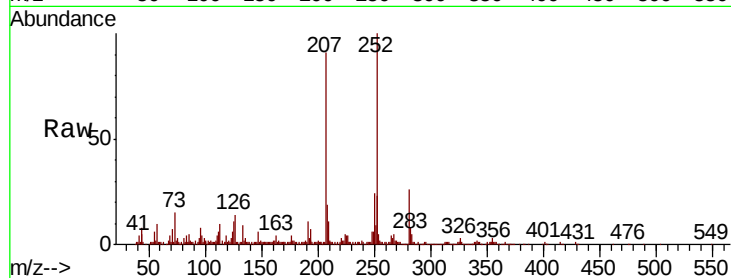
Tot Ion:252 Resp: 301695

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

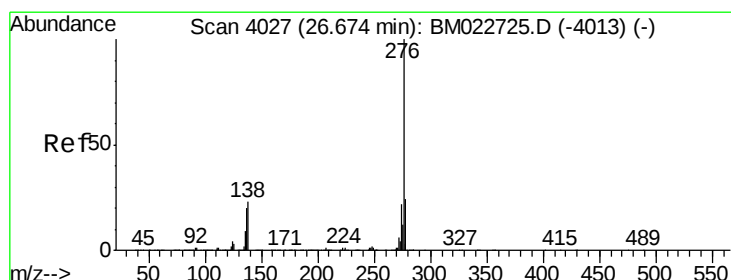
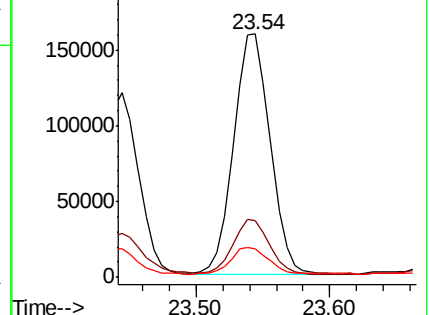
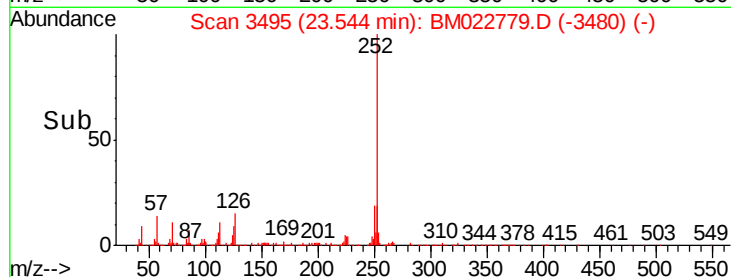
125 11.5 9.3 13.9



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: 3.782 ng

RT: 26.65 min Scan# 4023

Delta R.T. -0.02 min

Lab File: BM022779.D

Acq: 25 Sep 2019 19:43

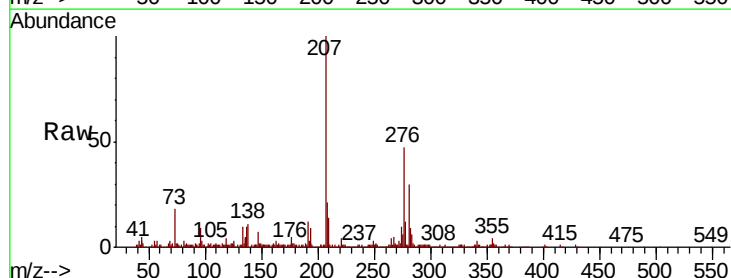
Tgt Ion:276 Resp: 217649

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 23.3 18.5 27.7



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

