

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022778.D
 Acq On : 25 Sep 2019 19:07
 Operator : JU
 Sample : K4997-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Quant Time: Sep 26 06:02:05 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	253310	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	890839	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	478574	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	884761	20.00	ng	0.00
76) Chrysene-d12	21.37	240	922226	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1144261	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1947652	121.94	ng	0.00
7) Phenol-d6	6.99	99	2531319	123.39	ng	0.00
23) Nitrobenzene-d5	8.97	82	1449349	90.31	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	847847	141.92	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3390795	97.57	ng	0.00
79) Terphenyl-d14	19.82	244	4337053	91.06	ng	0.00

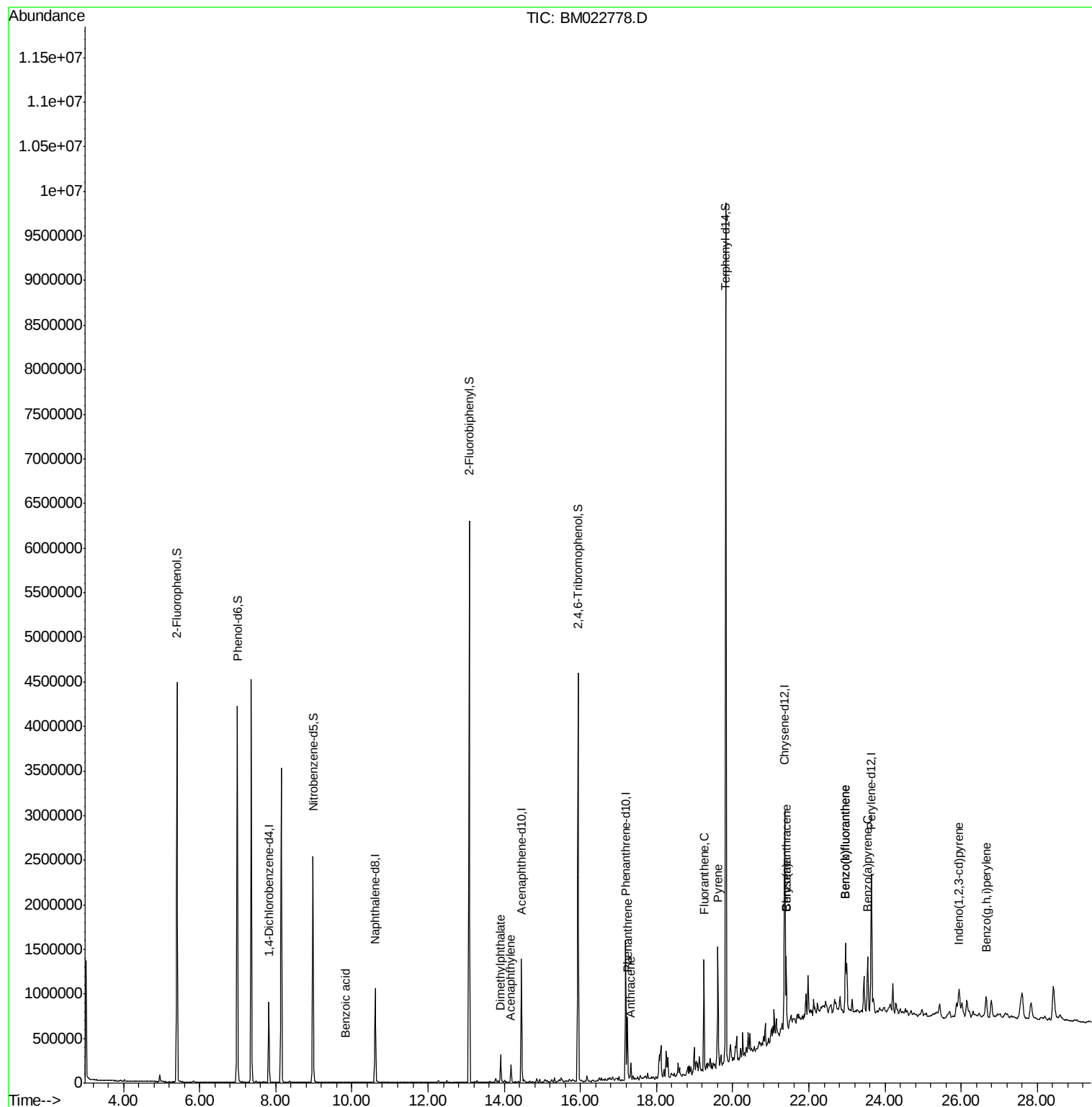
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.83	122	543	3.987	ng	# 61
49) Acenaphthylene	14.17	152	147574	3.376	ng	99
50) Dimethylphthalate	13.90	163	185542	5.365	ng	100
71) Phenanthrene	17.23	178	406699	8.146	ng	100
72) Anthracene	17.32	178	123883	2.560	ng	98
75) Fluoranthene	19.24	202	690667	12.260	ng	99
78) Pyrene	19.61	202	795306	13.159	ng	100
81) Benzo(a)anthracene	21.40	228	428511	7.169	ng	94
83) Chrysene	21.40	228	466005	8.042	ng	98
86) Indeno(1,2,3-cd)pyrene	25.94	276	273891	3.960	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	702261	10.136	ng	97
89) Benzo(k)fluoranthene	22.96	252	701163	10.200	ng	98
90) Benzo(a)pyrene	23.54	252	406527	6.368	ng	98
92) Benzo(a,h,i)perylene	26.66	276	281690	4.441	ng	98

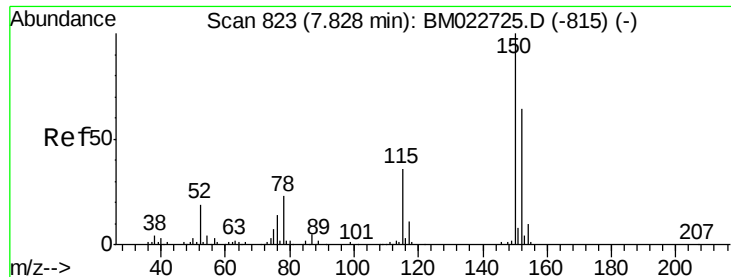
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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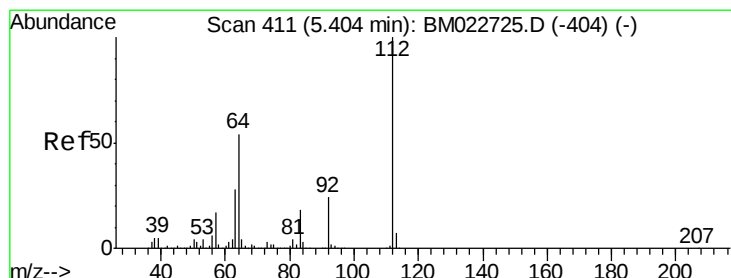
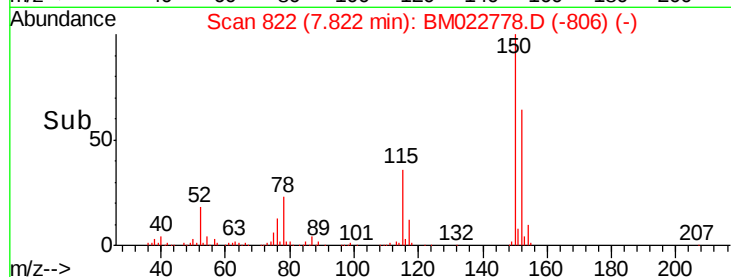
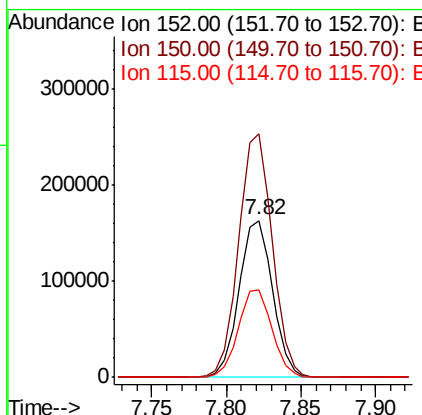
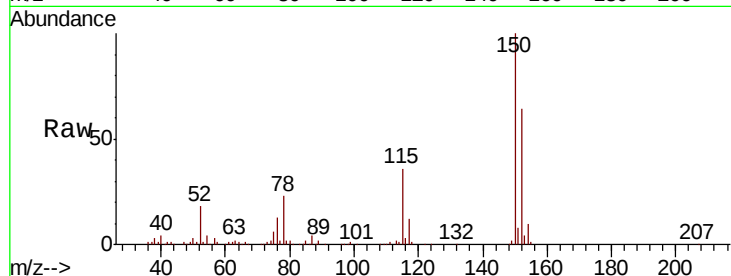


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

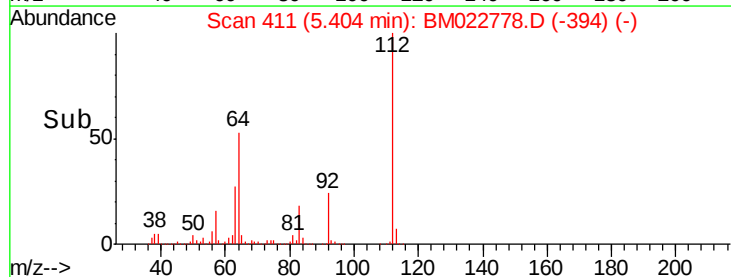
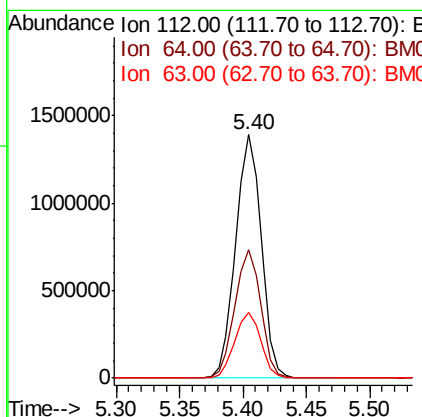
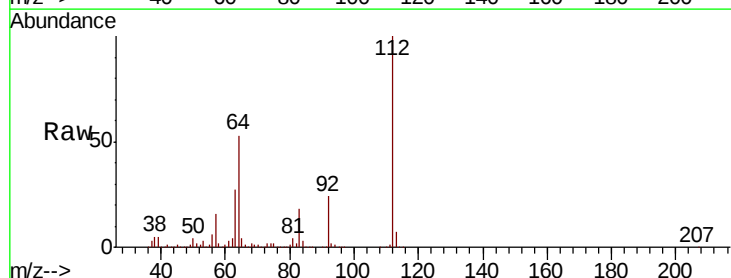
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	55.6	45.0	67.4

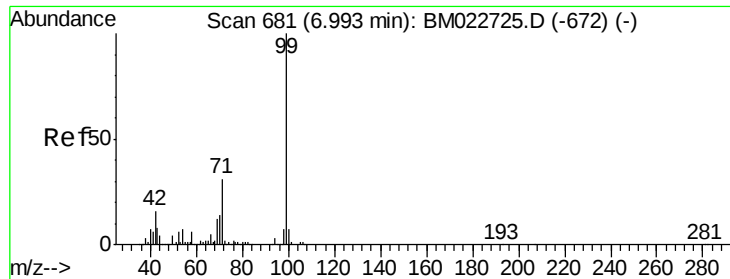


#5

2-Fluorophenol
Concen: 121.942 ng
RT: 5.40 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.4	65.2
63	26.8	22.1	33.1





#7

Phenol-d6

Concen: 123.394 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

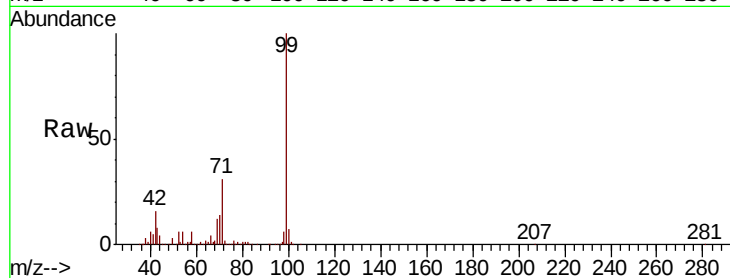
BNA_M

ClientSampleId :

WC-11-091919

Tot Ion: 99 Resp: 2531319

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	31.0	24.7	37.1

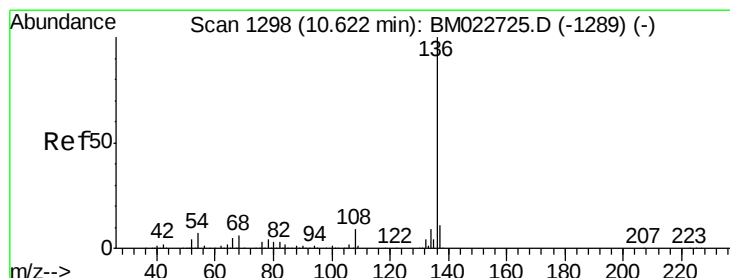
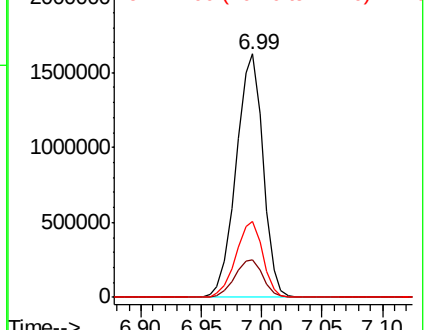
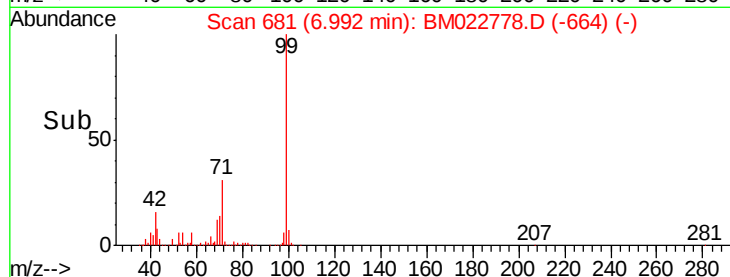


Abundance

Ion 99.00 (98.70 to 99.70): BM022778.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022778.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022778.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

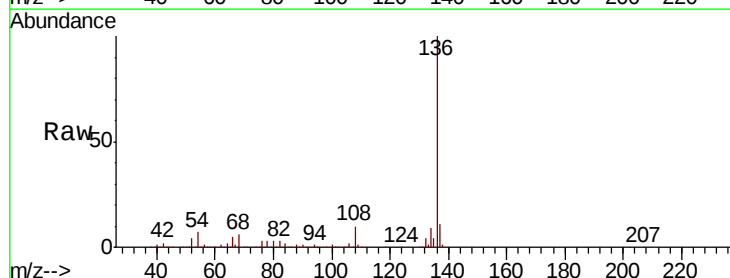
Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Tgt Ion: 136 Resp: 890839

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.1	6.0	9.0
68	5.8	4.9	7.3



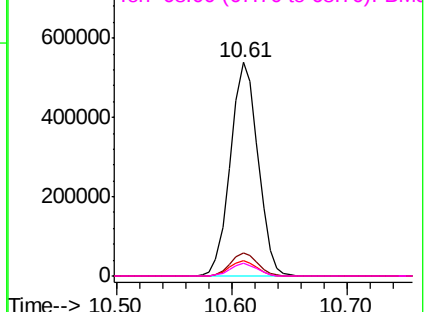
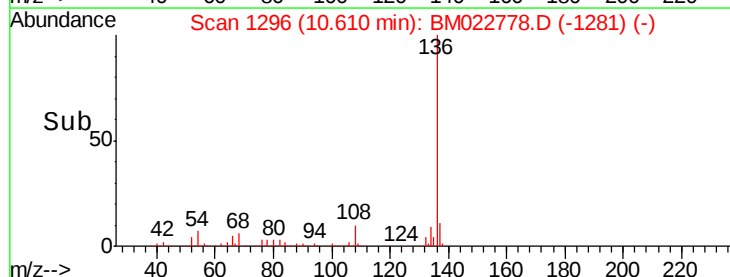
Abundance

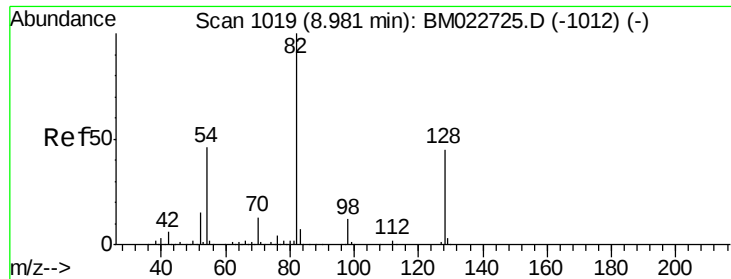
Ion 136.00 (135.70 to 136.70): BM022778.D (-1281) (-)

Ion 137.00 (136.70 to 137.70): BM022778.D (-1281) (-)

Ion 54.00 (53.70 to 54.70): BM022778.D (-1281) (-)

Ion 68.00 (67.70 to 68.70): BM022778.D (-1281) (-)

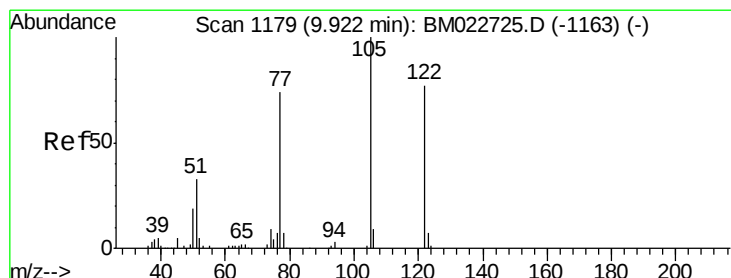
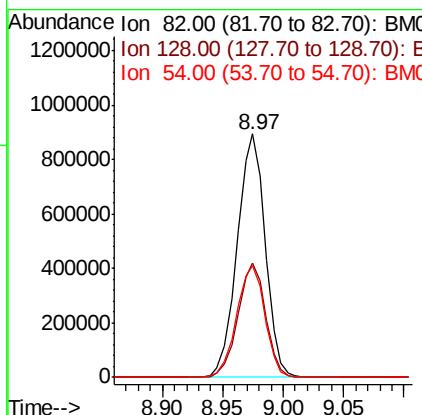
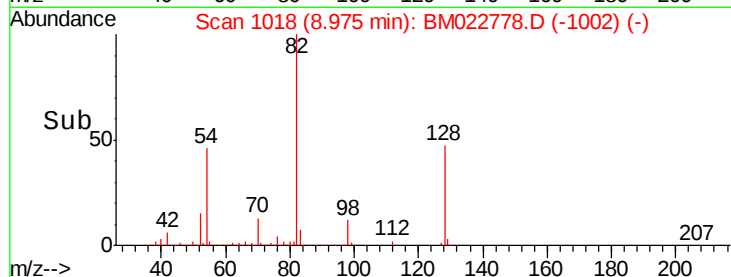
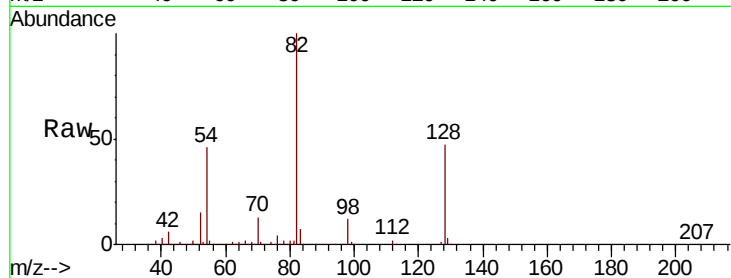




#23
 Nitrobenzene-d5
 Concen: 90.312 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

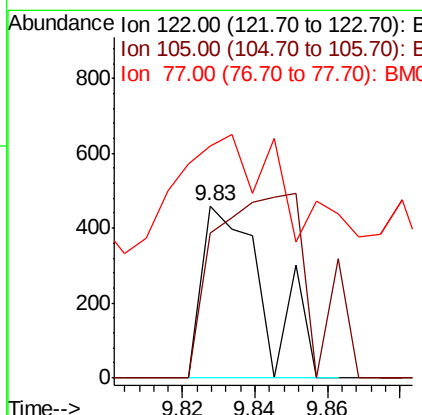
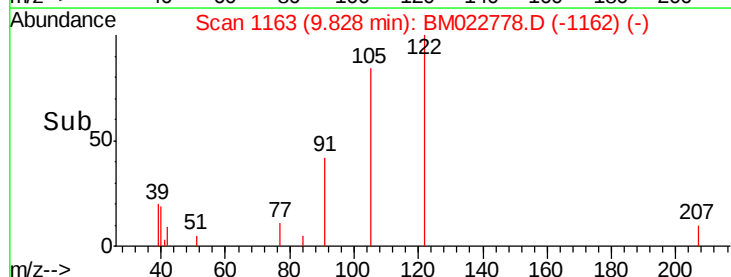
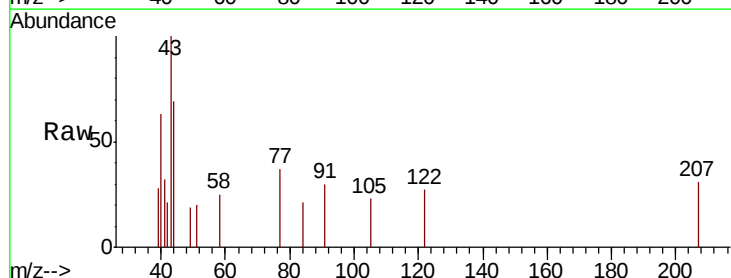
Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

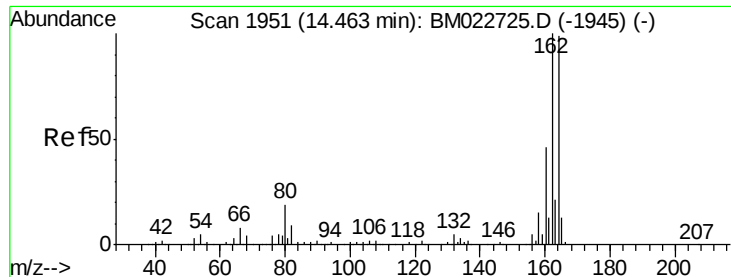
Tot Ion: 82 Resp: 1449349
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.0 54.0
 54 45.7 37.1 55.7



#32
 Benzoic acid
 Concen: 3.987 ng
 RT: 9.83 min Scan# 1163
 Delta R.T. -0.09 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Tgt Ion: 122 Resp: 543
 Ion Ratio Lower Upper
 122 100
 105 84.1 105.3 145.3#
 77 135.1 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: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

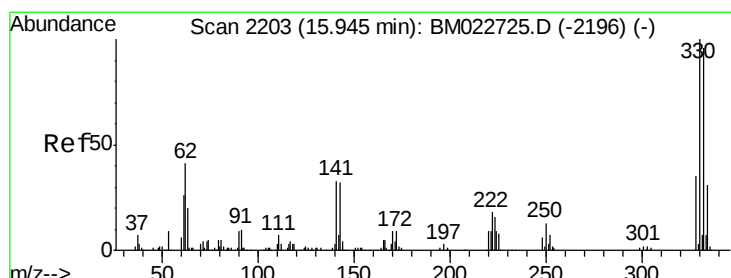
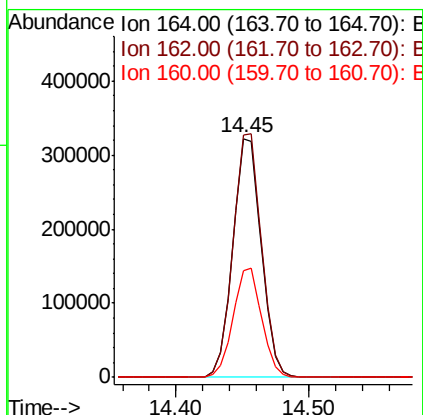
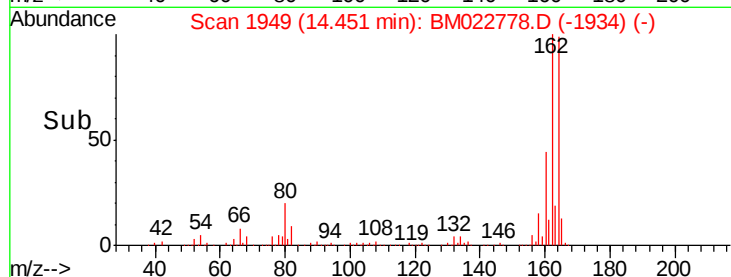
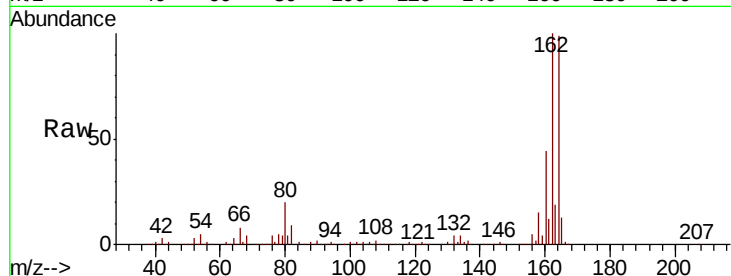
Tot Ion:164 Resp: 478574

Ion Ratio Lower Upper

164 100

162 101.3 81.1 121.7

160 44.7 36.9 55.3



#42

2,4,6-Tribromophenol

Concen: 141.917 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

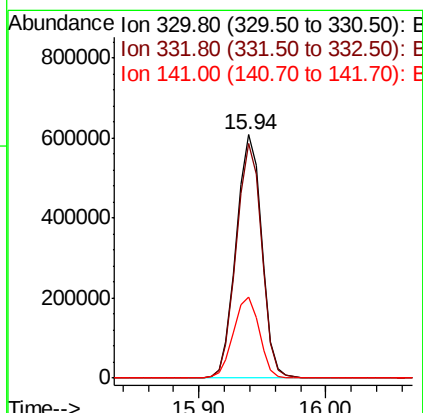
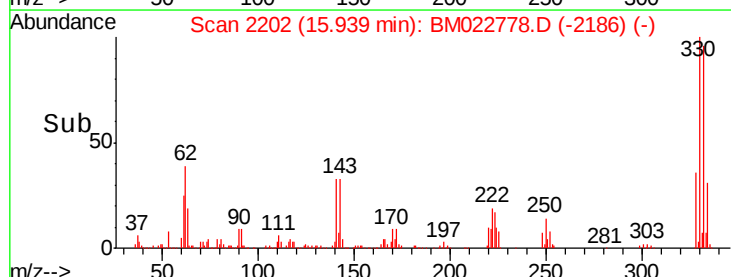
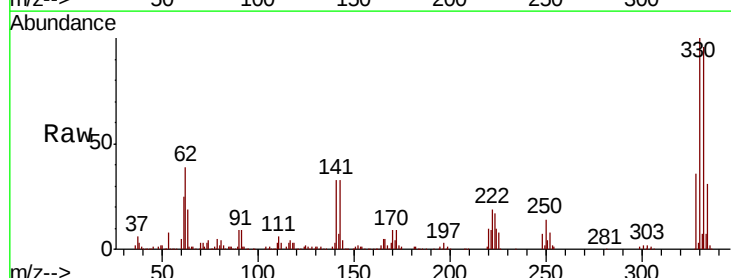
Tgt Ion:330 Resp: 847847

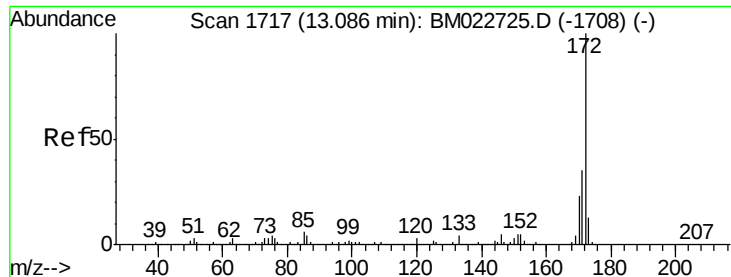
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 33.7 28.6 42.8

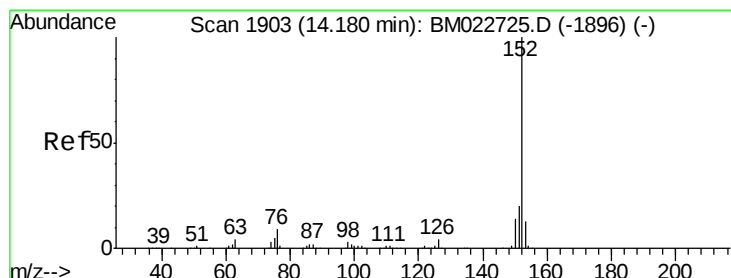
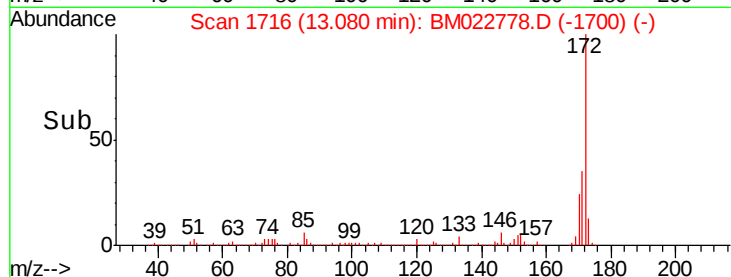
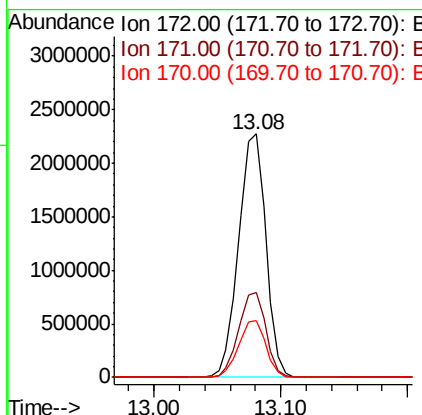
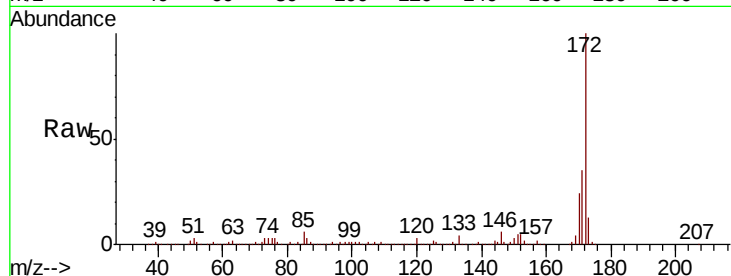




#45
2-Fluorobiphenyl
Concen: 97.566 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

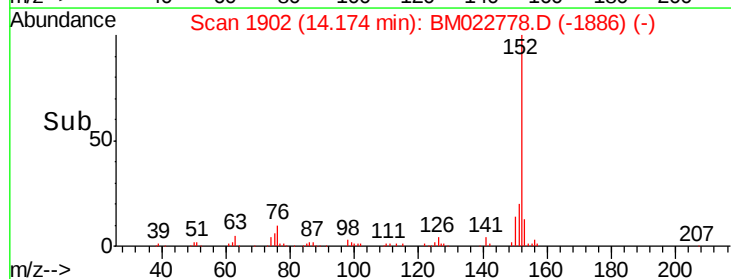
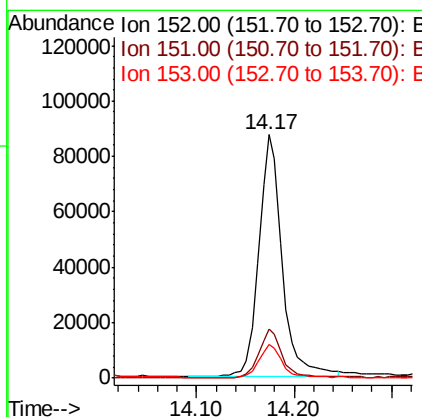
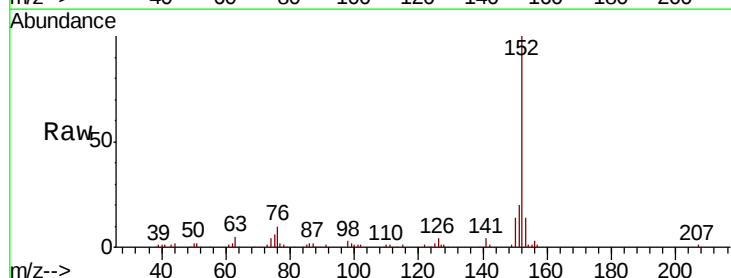
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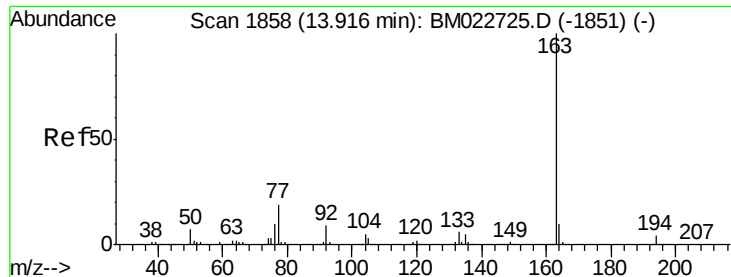
Tot Ion:172 Resp: 3390795
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.6 18.7 28.1



#49
Acenaphthylene
Concen: 3.376 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion:152 Resp: 147574
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.9 10.5 15.7





#50

Dimethylphthalate

Concen: 5.365 ng

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

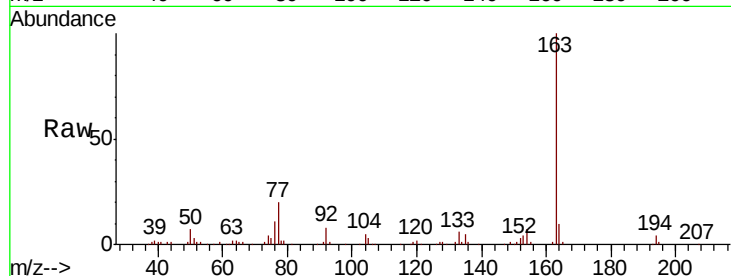
Tot Ion:163 Resp: 185542

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

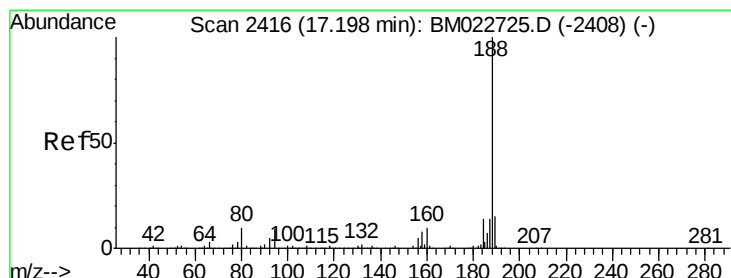
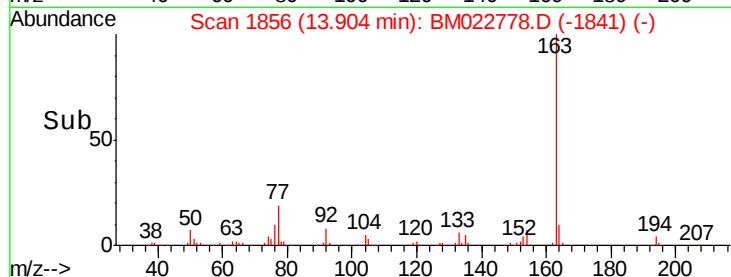
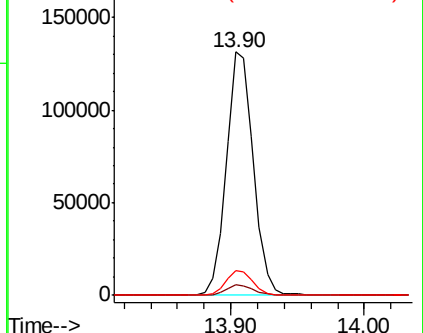
164 10.1 8.2 12.2



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: BM022778.D

Acq: 25 Sep 2019 19:07

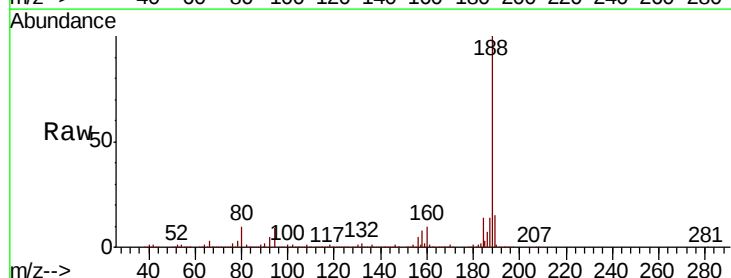
Tgt Ion:188 Resp: 884761

Ion Ratio Lower Upper

188 100

94 9.1 7.3 10.9

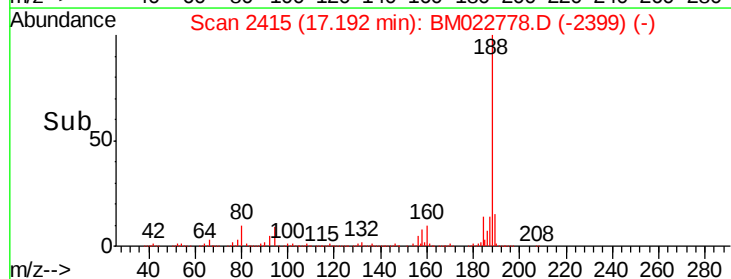
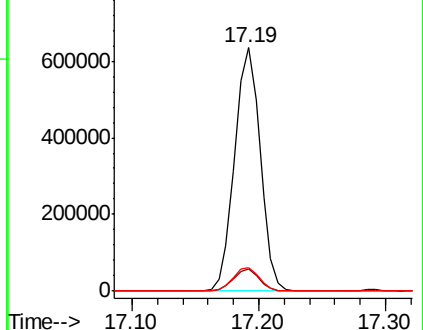
80 9.6 7.8 11.8

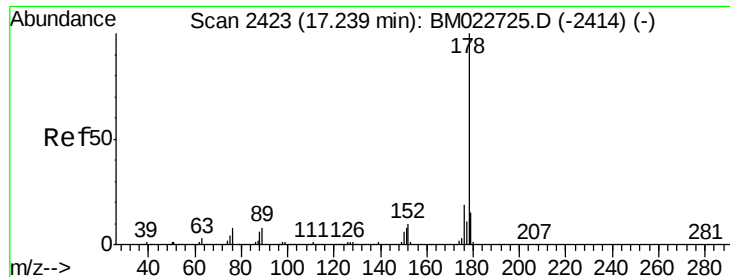


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

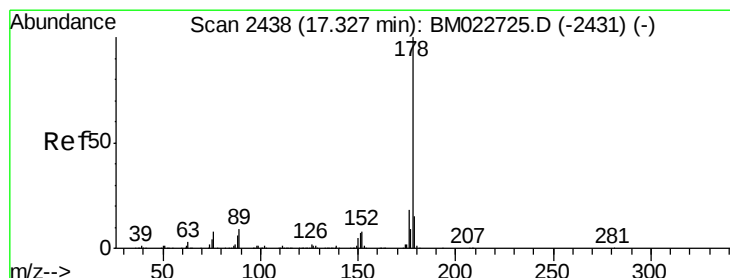
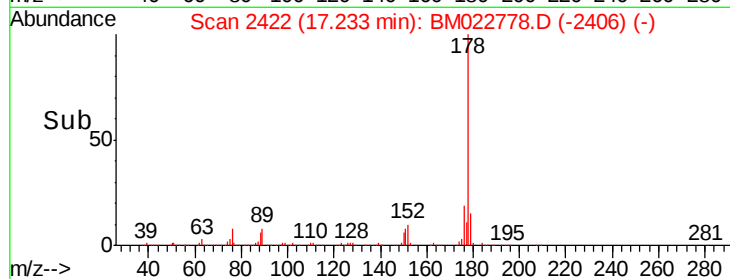
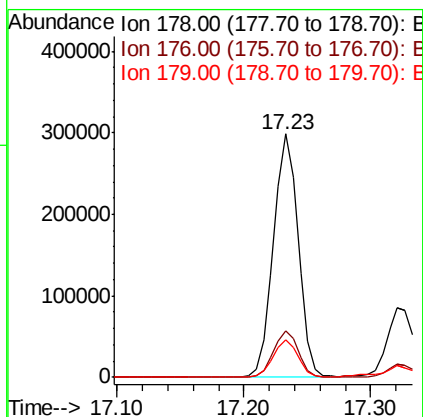
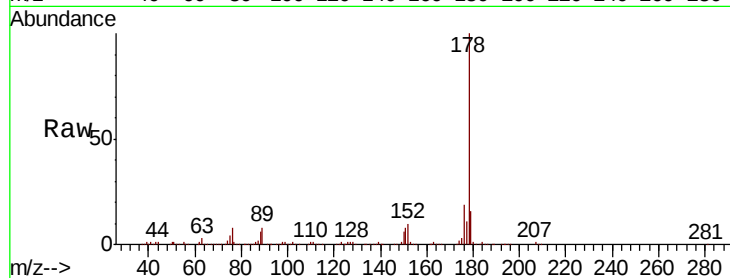




#71
Phenanthrene
Concen: 8.146 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

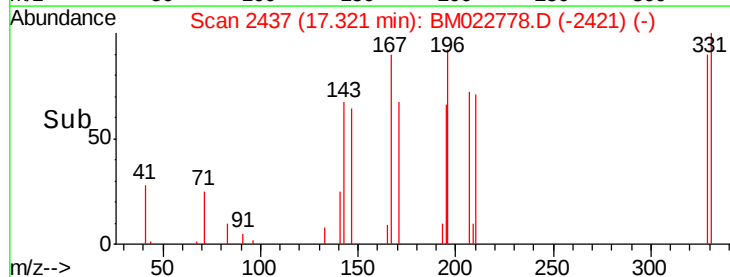
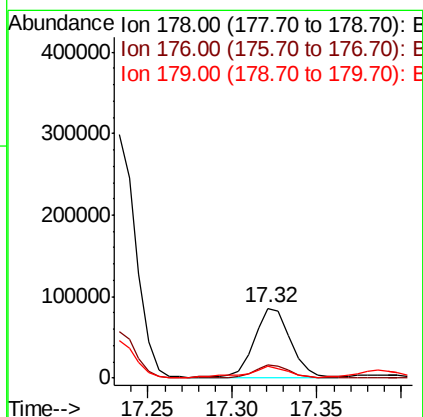
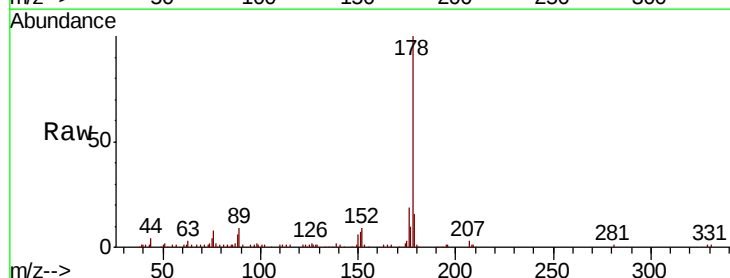
Instrument :
BNA_M
ClientSampleId :
WC-11-091919

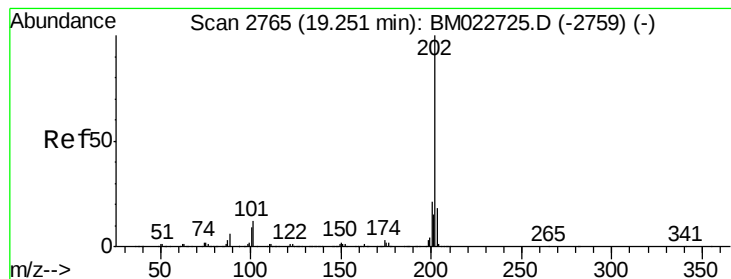
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.3	18.5



#72
Anthracene
Concen: 2.560 ng
RT: 17.32 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	16.4	12.2	18.4





#75

Fluoranthene

Concen: 12.260 ng

RT: 19.24 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

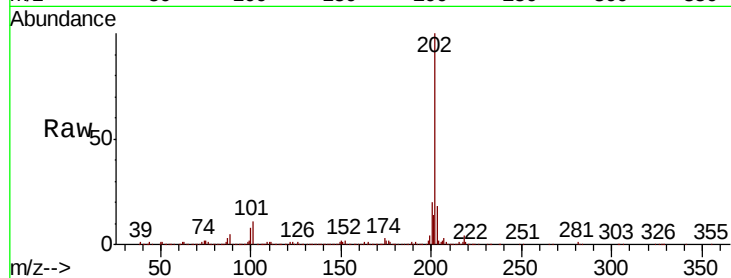
Instrument :

BNA_M

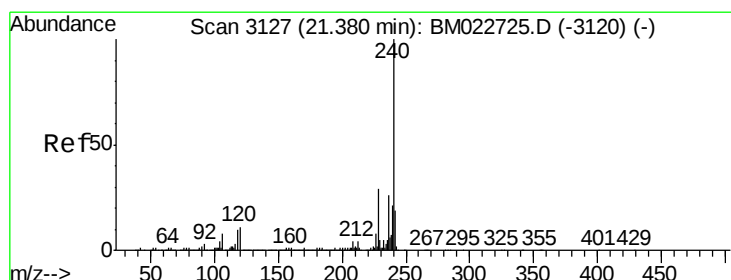
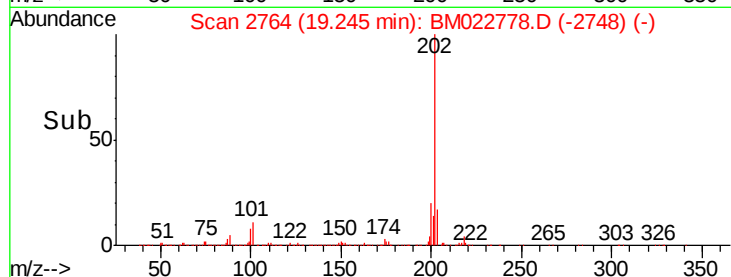
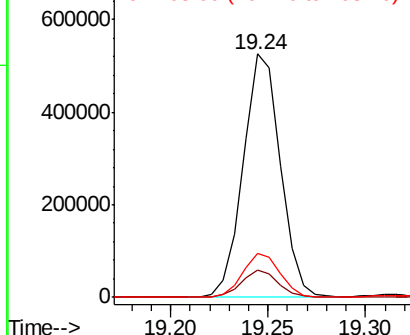
ClientSampleId :

WC-11-091919

Tot Ion:	202	Resp:	690667
Ion	Ratio	Lower	Upper
202	100		
101	11.4	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

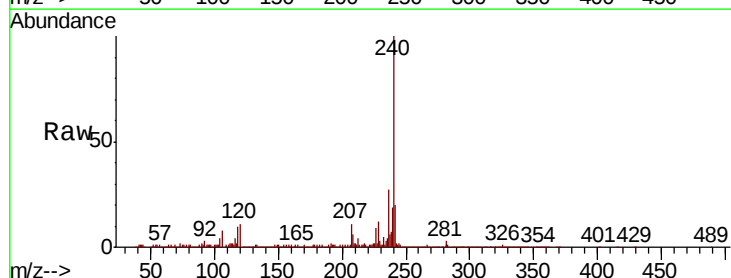
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

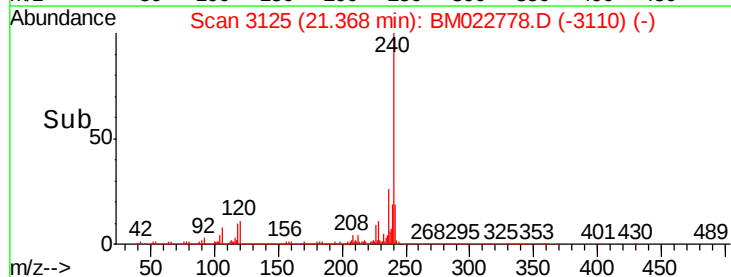
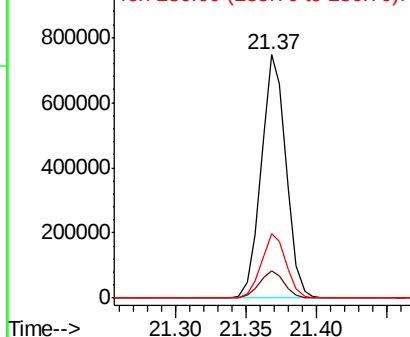
Lab File: BM022778.D

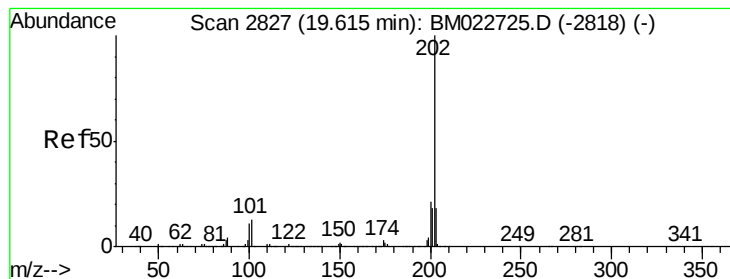
Acq: 25 Sep 2019 19:07

Tgt Ion:	240	Resp:	922226
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.8	13.2
236	26.5	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: 13.159 ng

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

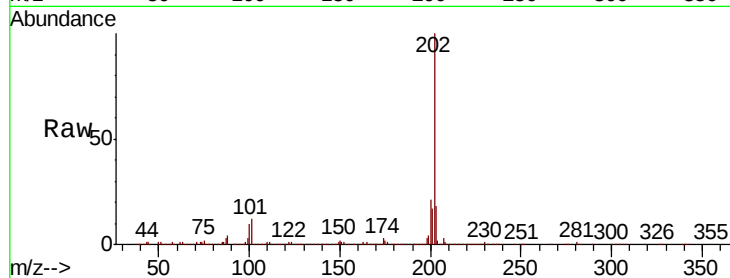
Tot Ion:202 Resp: 795306

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

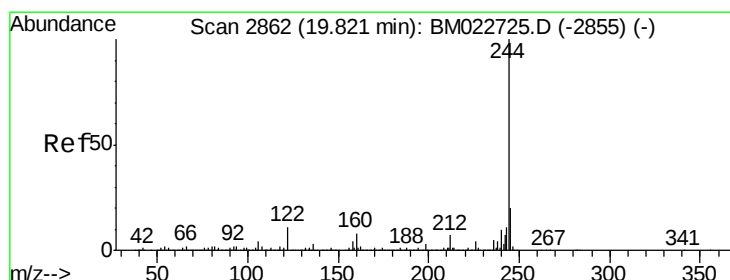
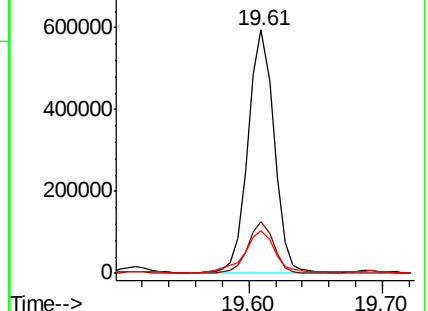
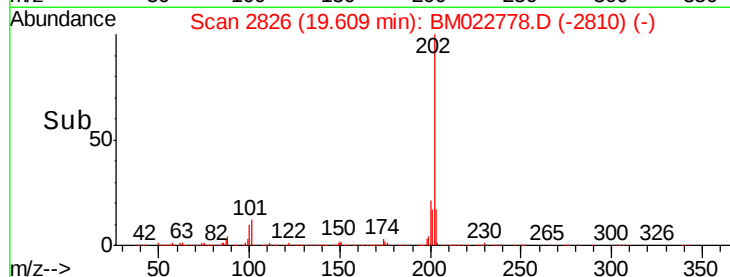
203 17.8 14.1 21.1



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: 91.064 ng

RT: 19.82 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

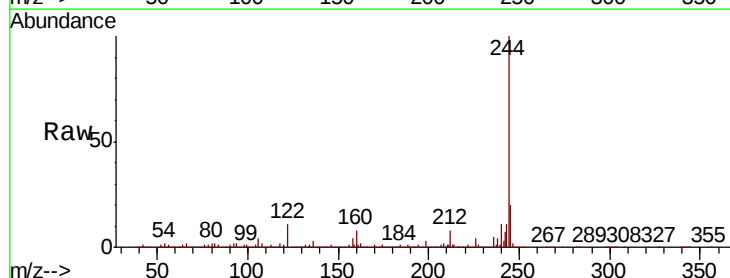
Tgt Ion:244 Resp: 4337053

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

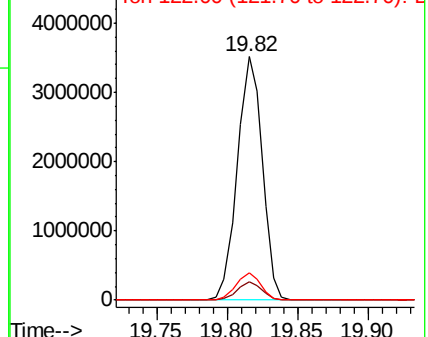
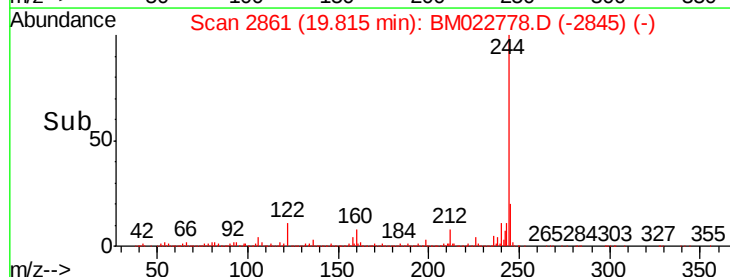
122 11.1 9.0 13.4

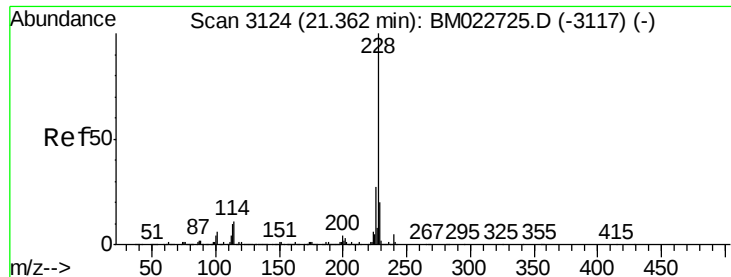


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.169 ng

RT: 21.40 min Scan# 3131

Delta R.T. 0.04 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

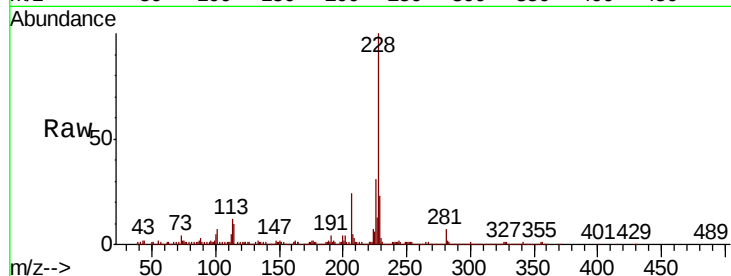
Tot Ion:228 Resp: 428511

Ion Ratio Lower Upper

228 100

226 30.8 22.0 33.0

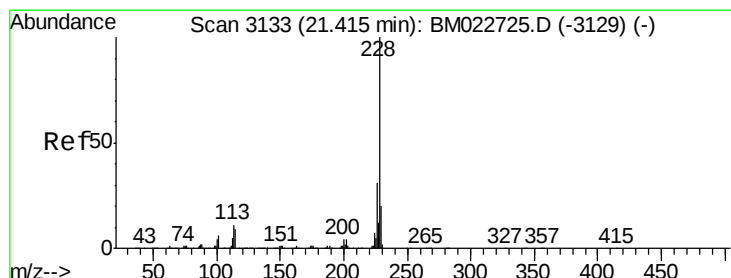
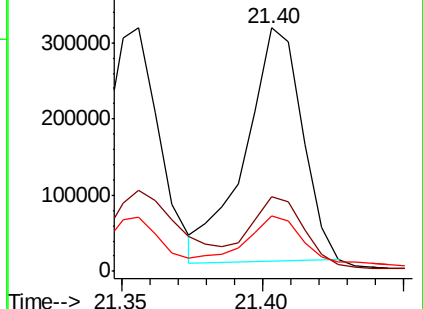
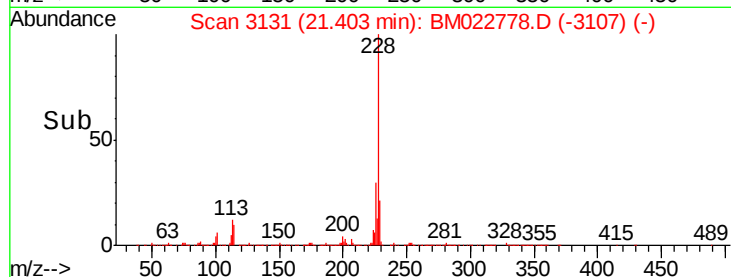
229 22.6 15.9 23.9



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: 8.042 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

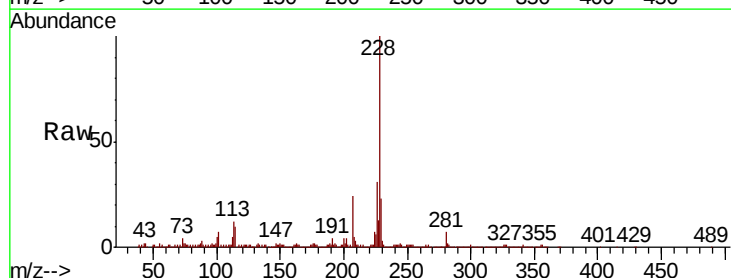
Tgt Ion:228 Resp: 466005

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

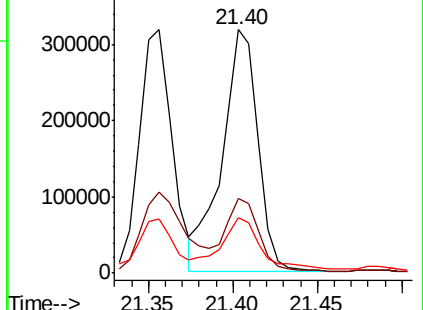
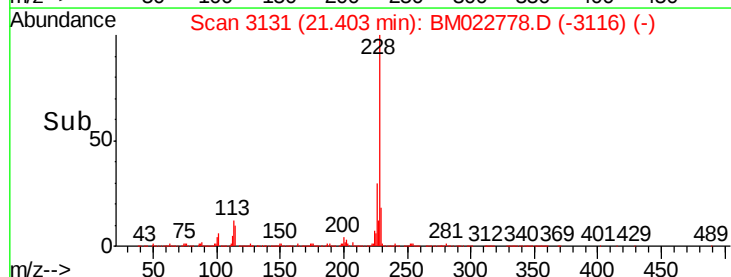
229 22.6 15.9 23.9

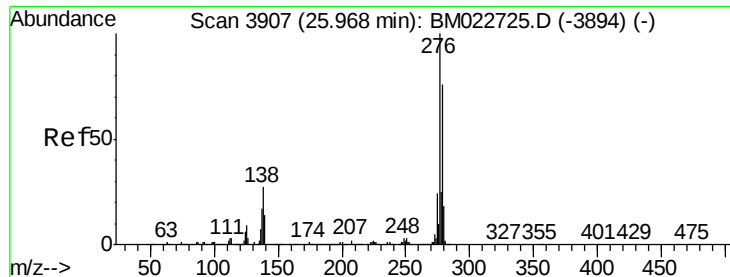


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

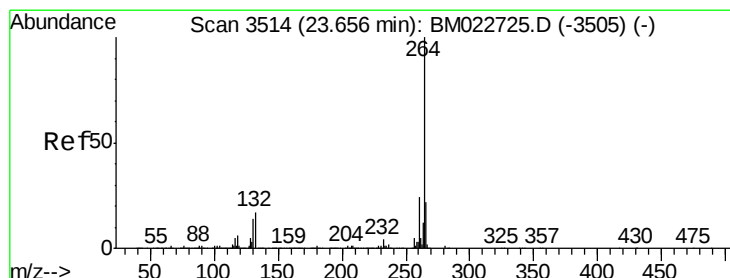
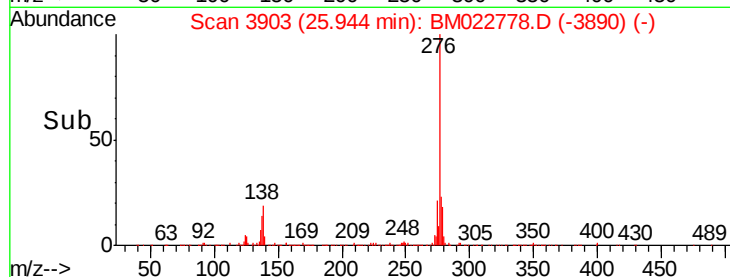
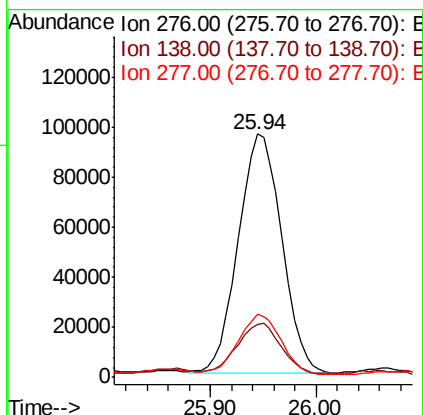
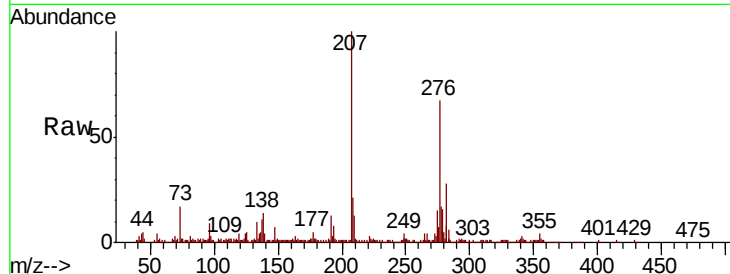




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.960 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

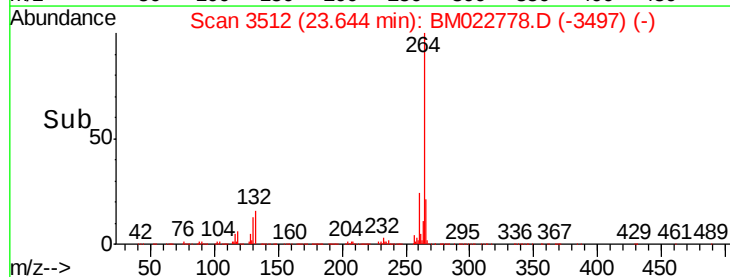
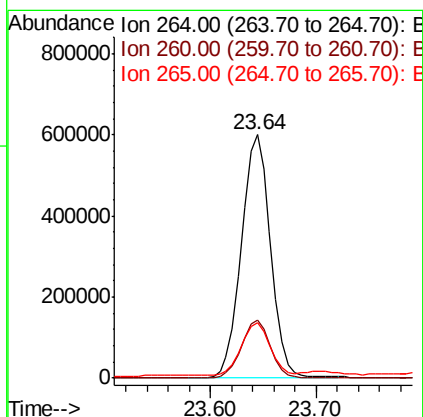
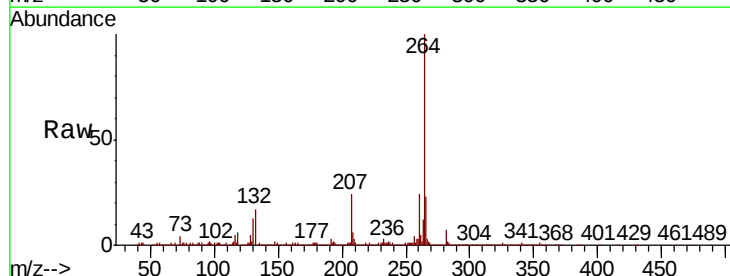
Instrument :
BNA_M
ClientSampleId :
WC-11-091919

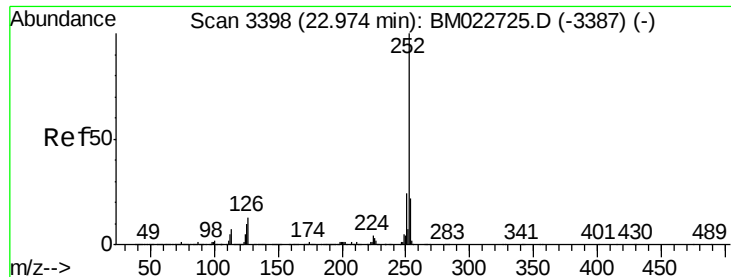
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	0.0	0.0#
277	25.0	0.0	0.0#



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.5	17.9	26.9





#88

Benzo(b)fluoranthene

Concen: 10.136 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

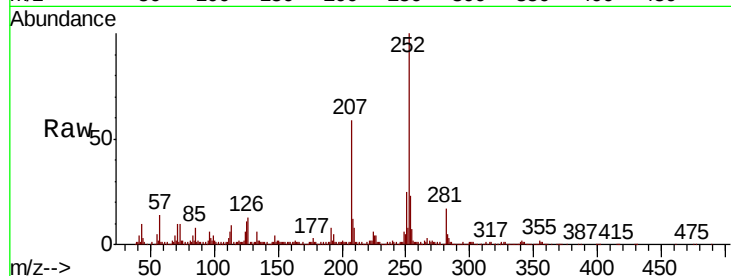
Tot Ion:252 Resp: 702261

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

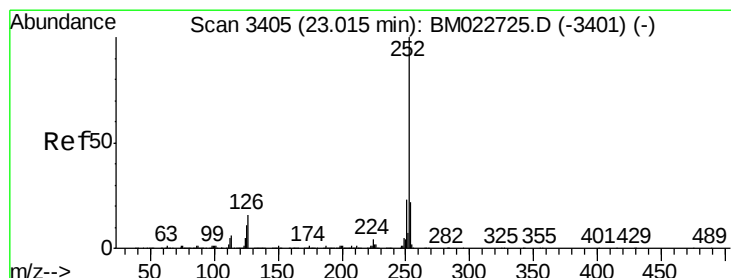
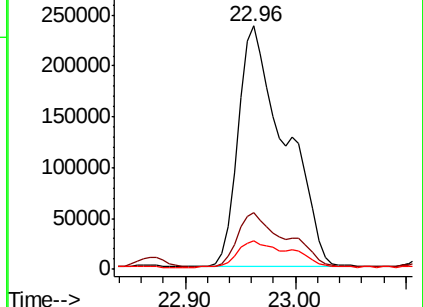
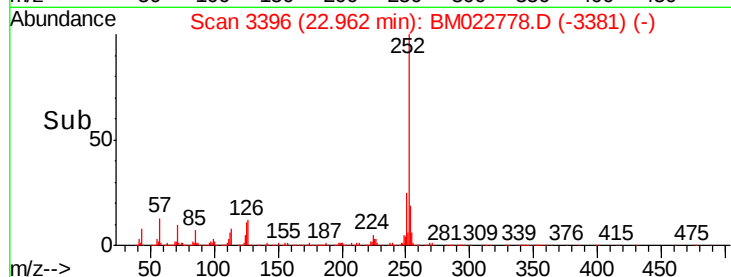
125 11.5 8.2 12.4



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



#89

Benzo(k)fluoranthene

Concen: 10.200 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

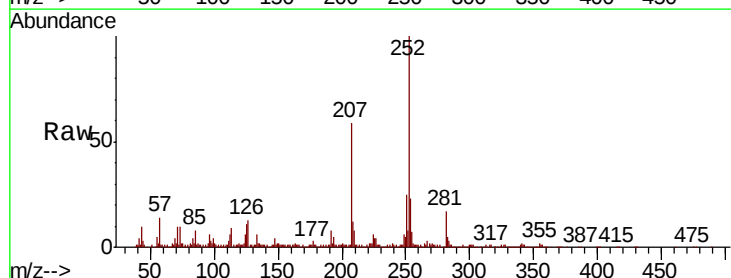
Tgt Ion:252 Resp: 701163

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

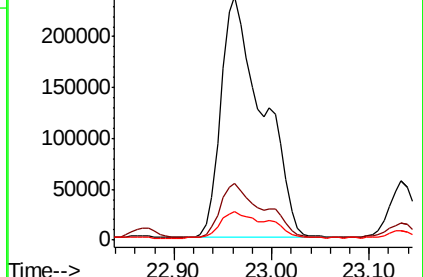
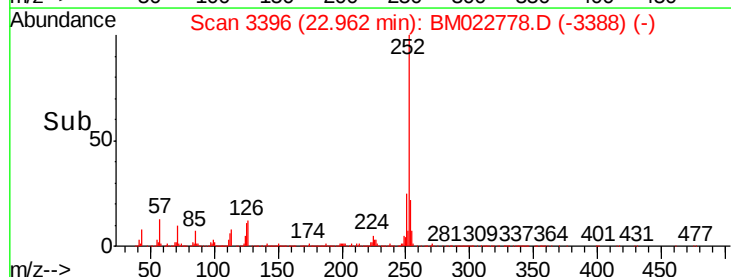
125 11.5 8.5 12.7

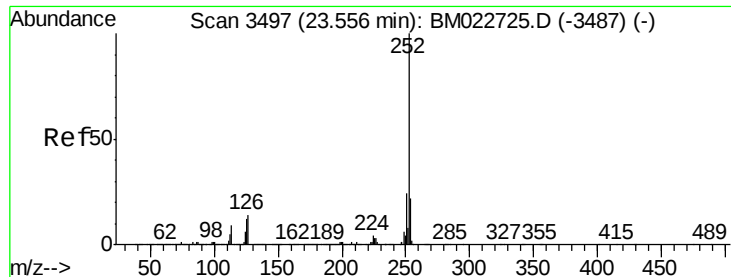


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.368 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

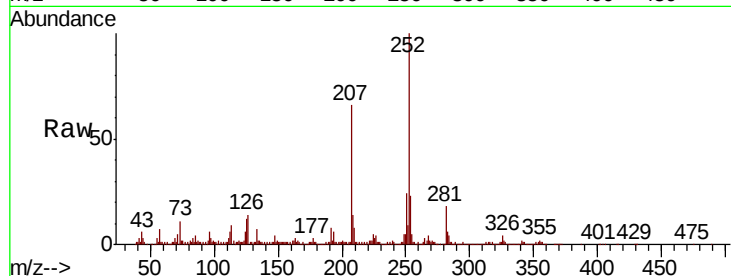
Tot Ion:252 Resp: 406527

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 11.6 9.3 13.9

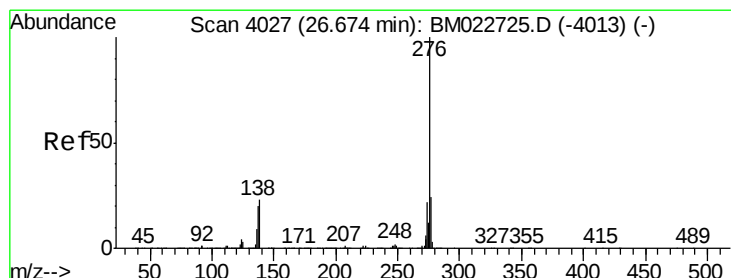
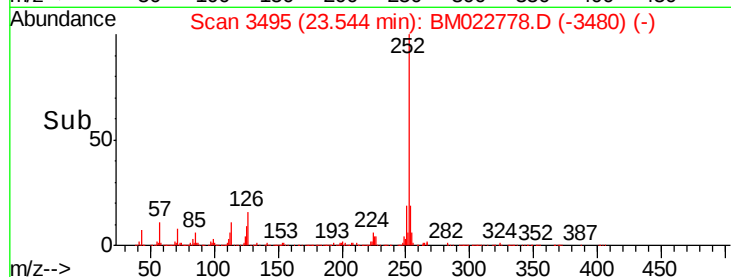
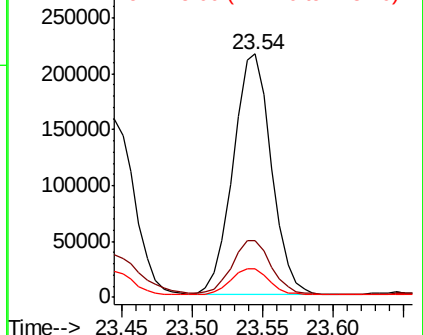


Abundance

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: 4.441 ng

RT: 26.66 min Scan# 4024

Delta R.T. -0.02 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

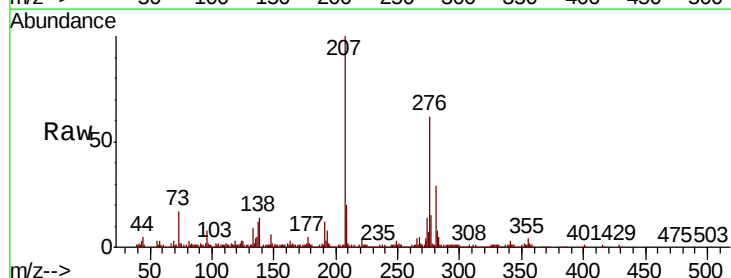
Tgt Ion:276 Resp: 281690

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 21.9 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

