

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 :

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

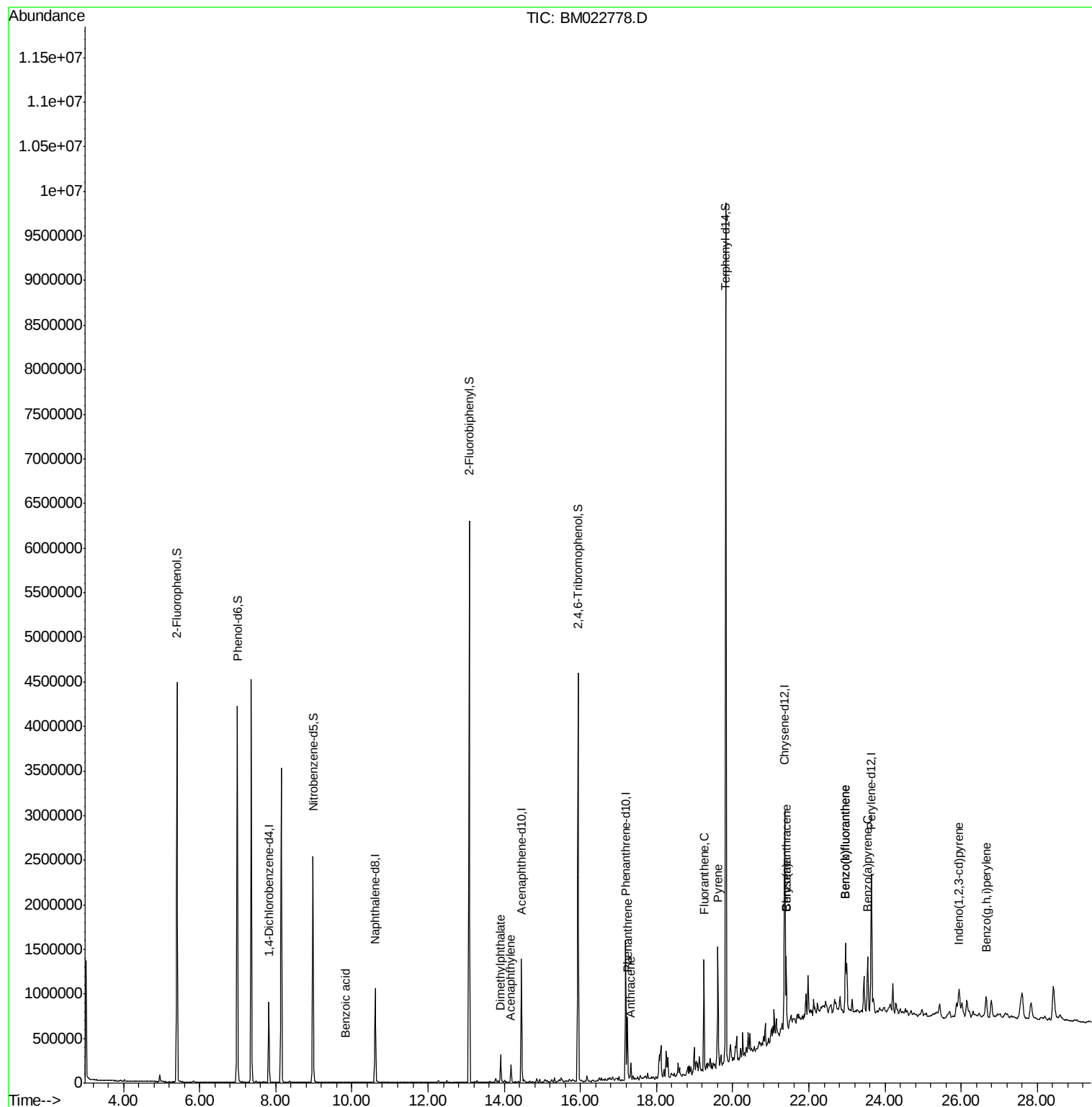
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.83	122	543	3.987	ng	# 61
49) Acenaphthylene	14.17	152	147574	3.376	ng	99
50) Dimethylphthalate	13.90	163	185542	5.365	ng	100
71) Phenanthrene	17.23	178	406699	8.146	ng	100
72) Anthracene	17.32	178	123883	2.560	ng	98
75) Fluoranthene	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

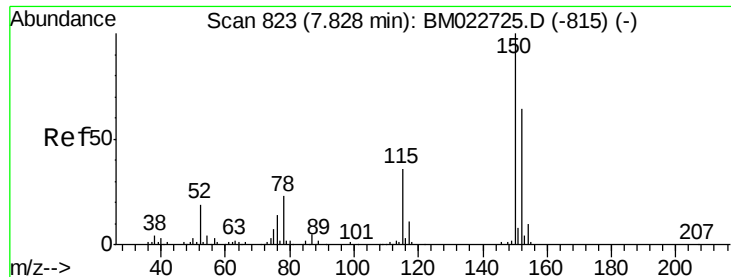
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :

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



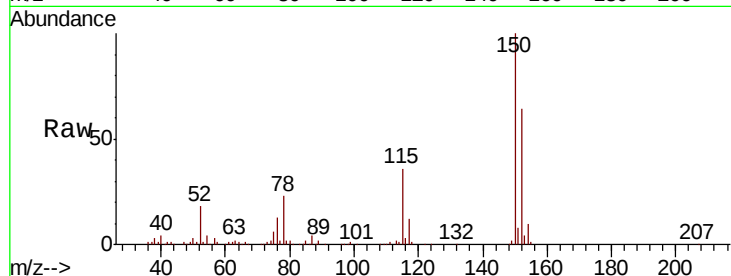


#1

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 :

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

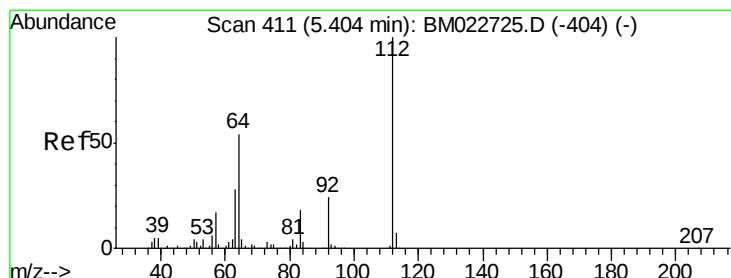
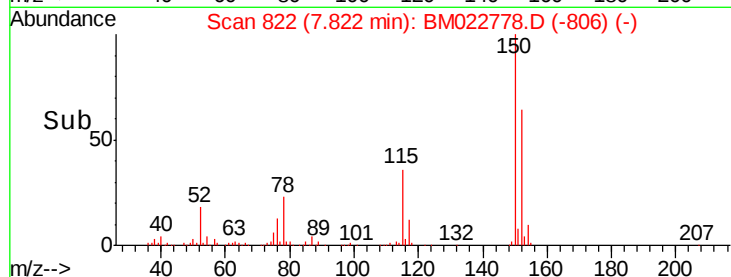
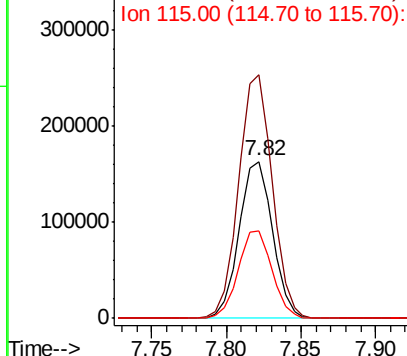


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

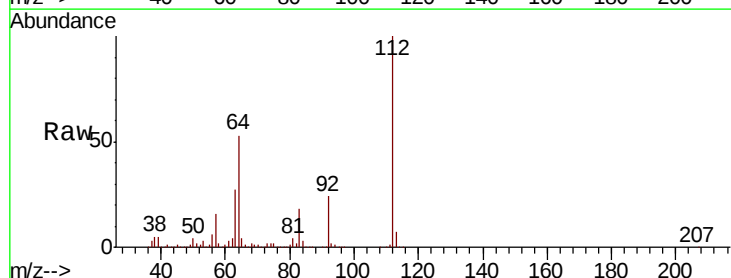
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 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

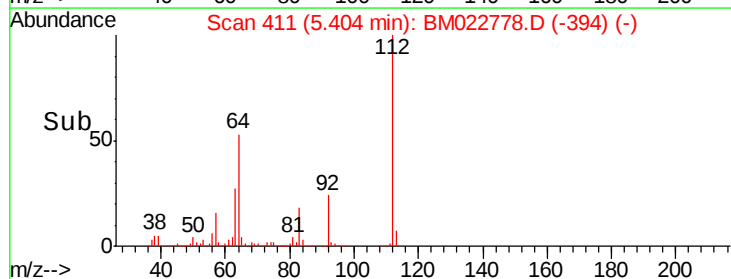
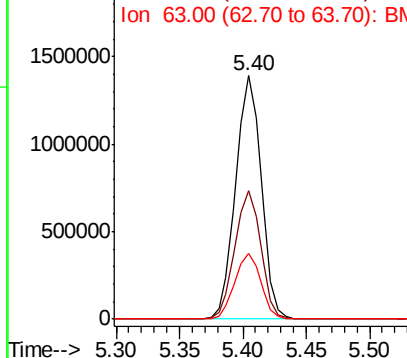


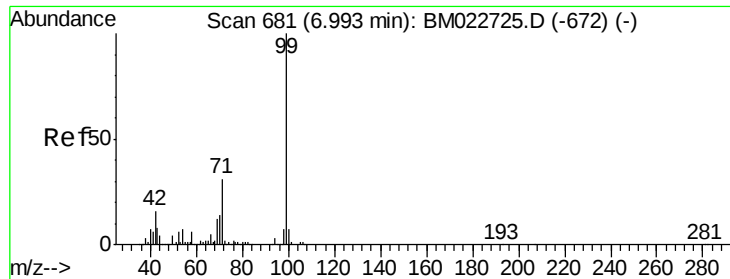
Abundance

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: 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 :

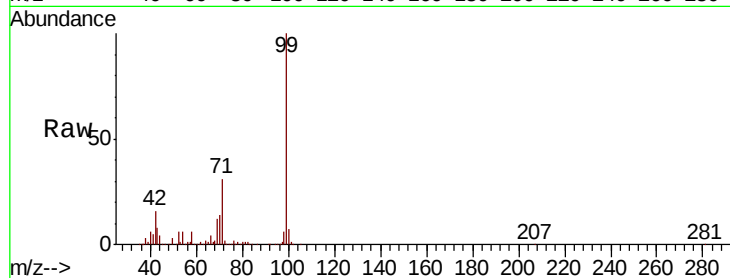
Tot Ion: 99 Resp: 2531319

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.4

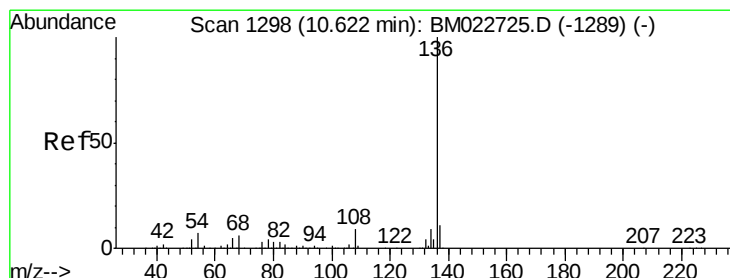
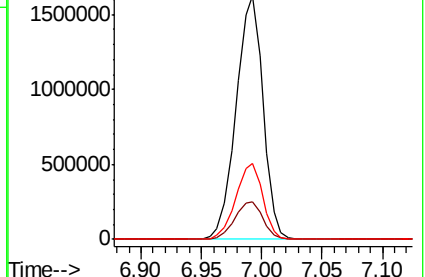
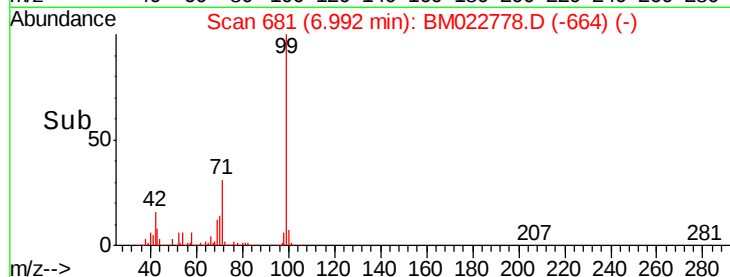
71 31.0 24.7 37.1



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

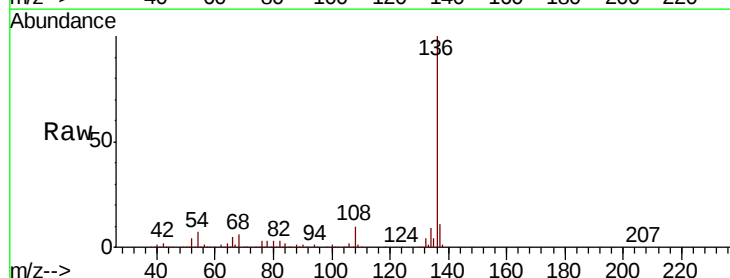
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 7.1 6.0 9.0

68 5.8 4.9 7.3

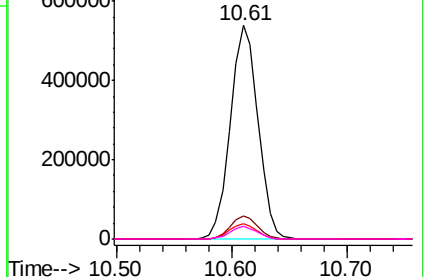
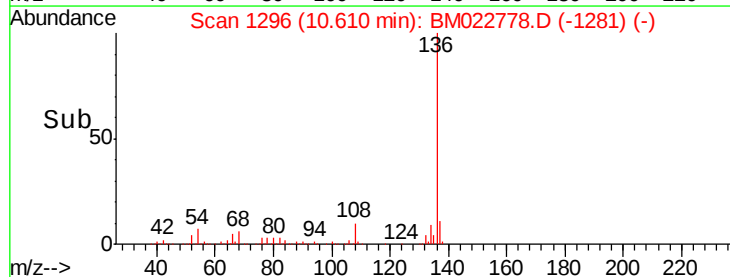


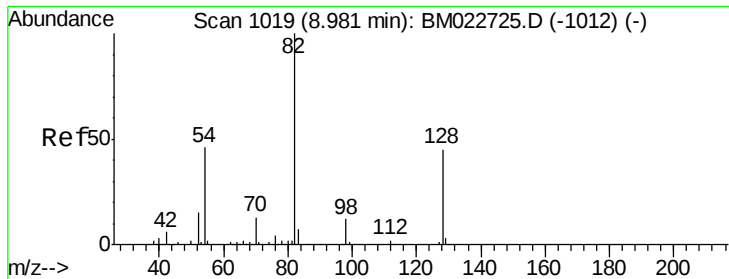
Abundance Ion 136.00 (135.70 to 136.70): BM022778.D (-1281) (-)

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) (-)

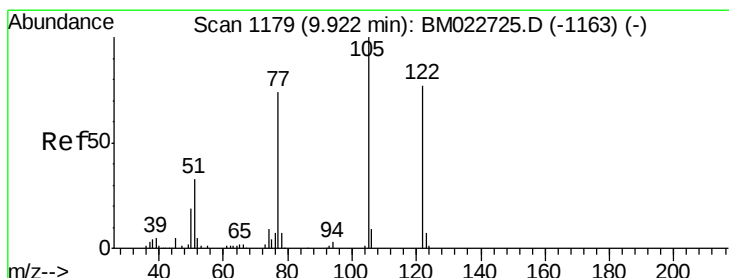
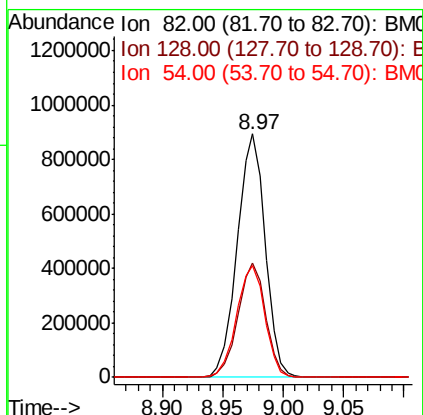
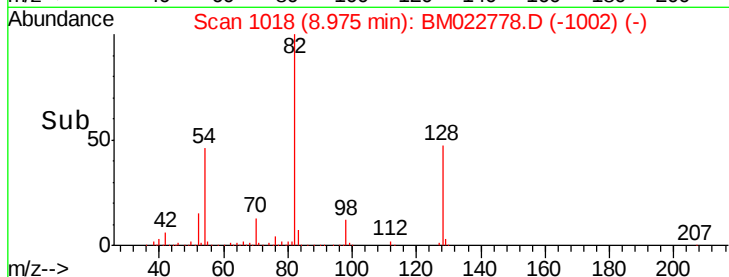
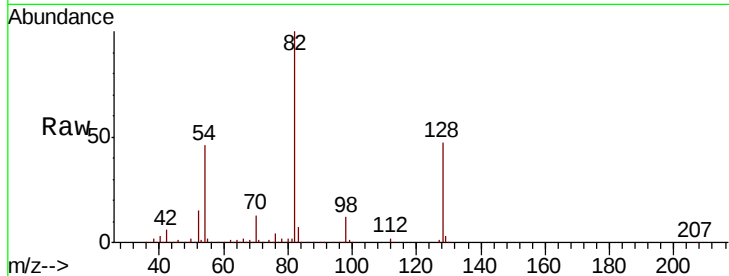




#23
Nitrobenzene-d5
Concen: 90.312 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

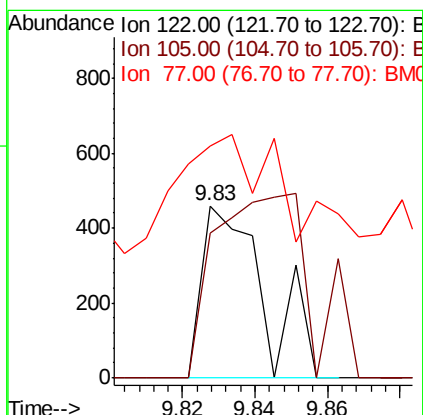
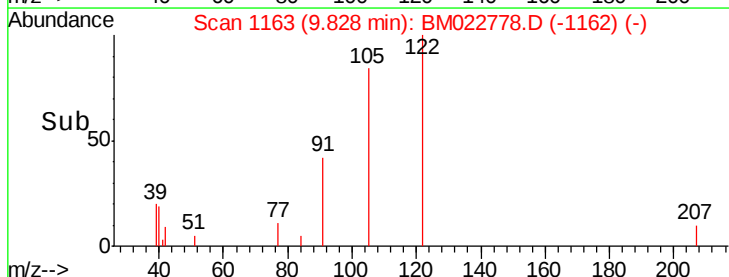
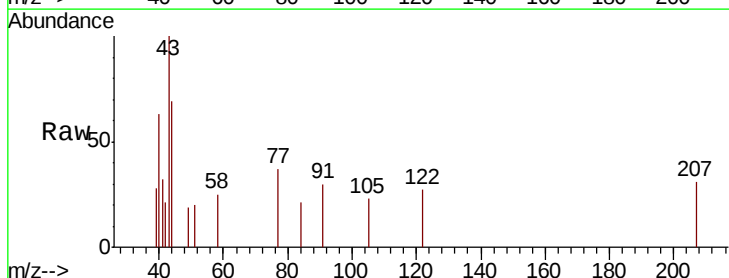
Instrument :
BNA_M
ClientSampled :

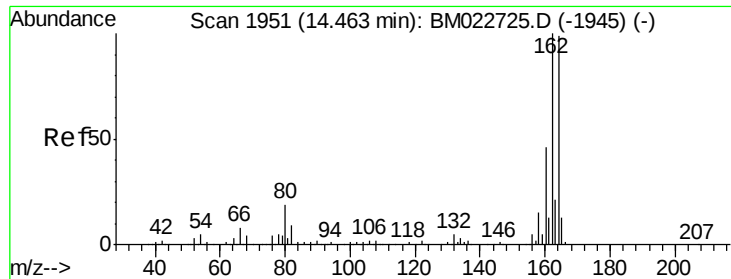
Tot Ion: 82 Resp: 1449349
Ion Ratio Lower Upper
82 100
128 46.9 36.0 54.0
54 45.7 37.1 55.7



#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

ClientSampled :

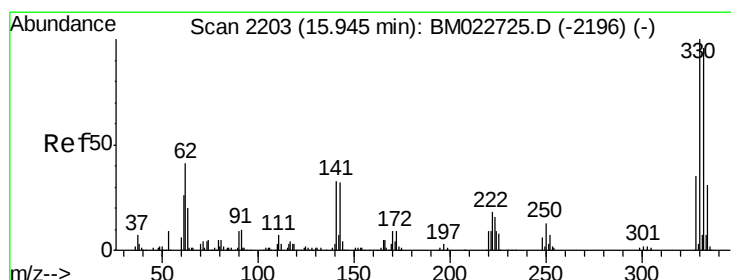
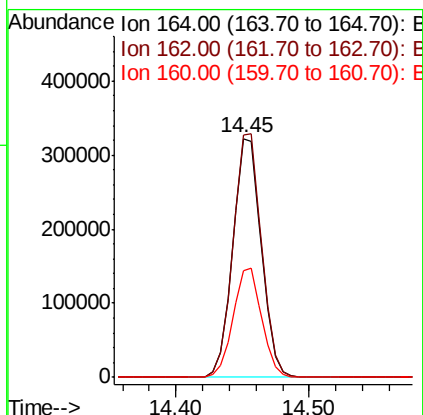
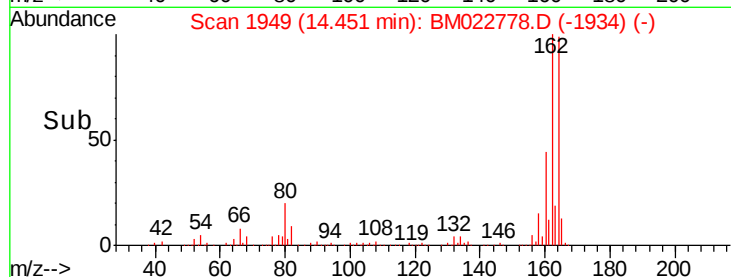
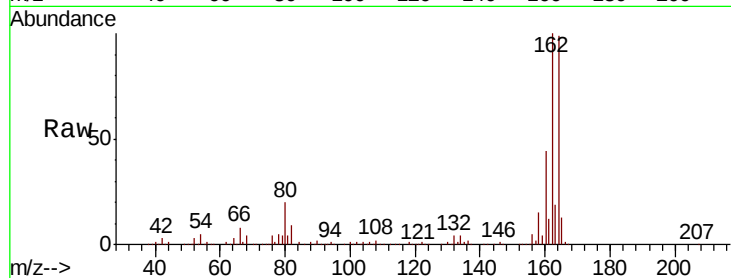
Tot Ion:164 Resp: 478574

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

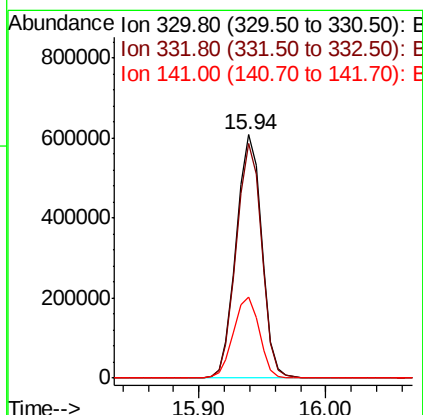
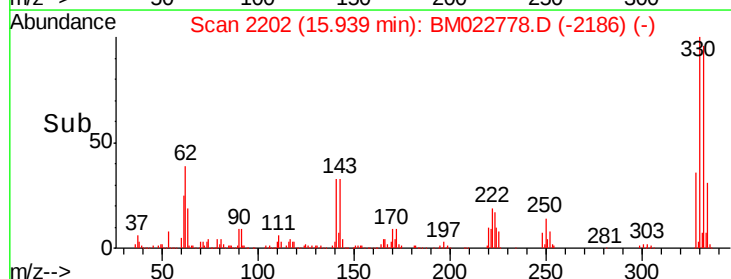
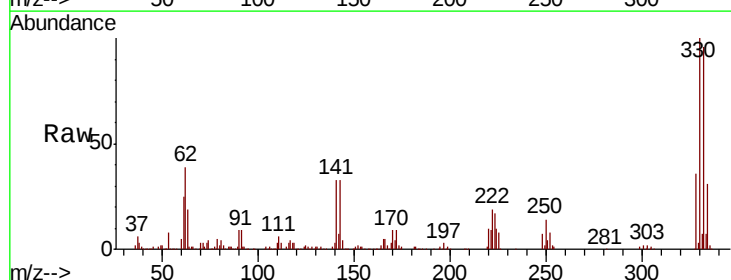
Tgt Ion:330 Resp: 847847

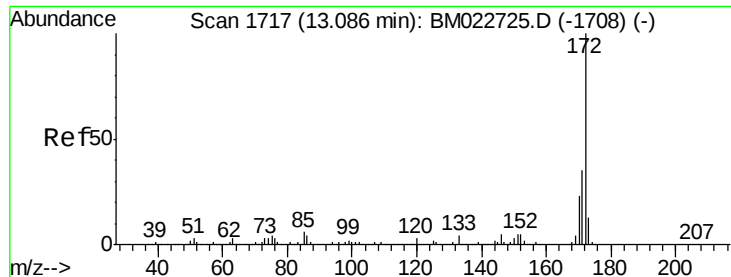
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 33.7 28.6 42.8

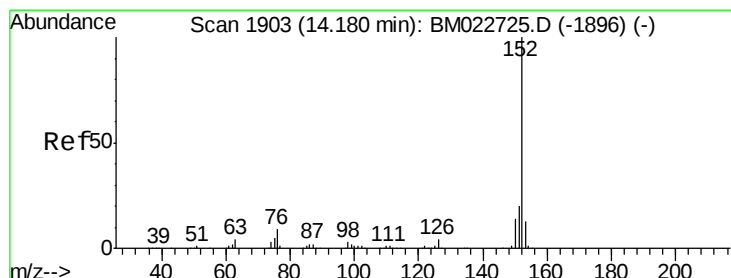
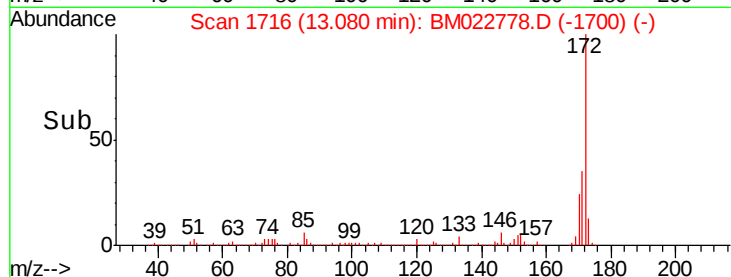
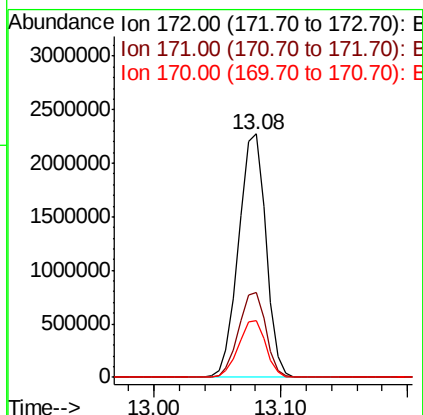
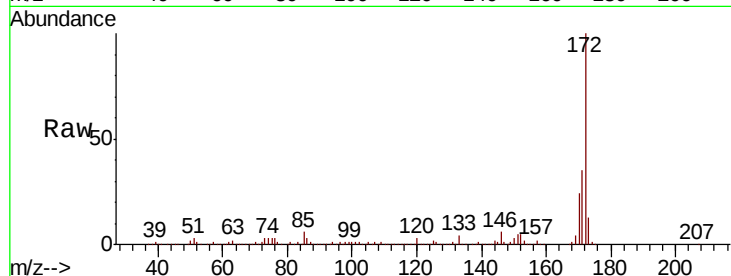




#45
2-Fluorobiphenyl
Concen: 97.566 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

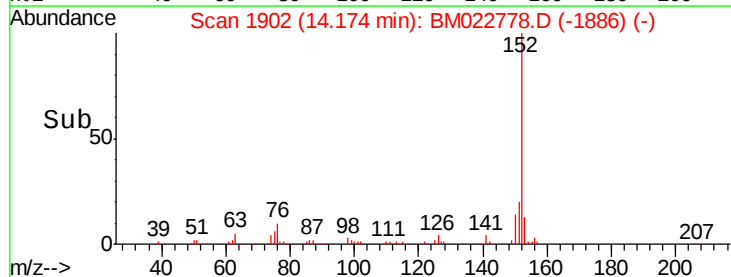
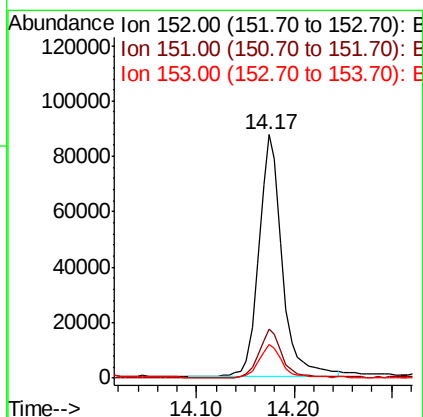
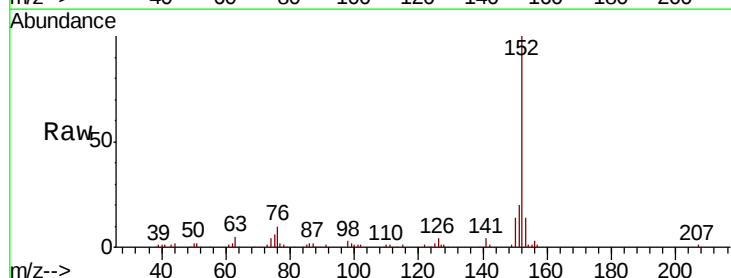
Instrument :
BNA_M
ClientSampleId :

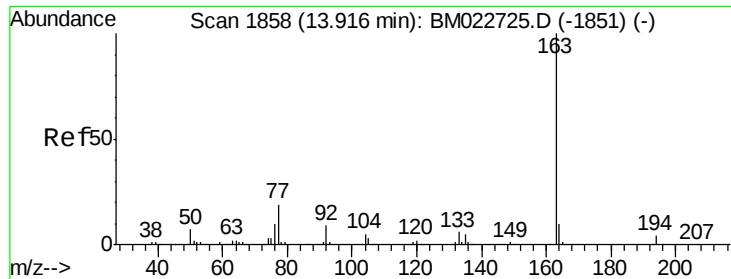
Tot Ion:172 Resp: 3390795
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.6 18.7 28.1



#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 :

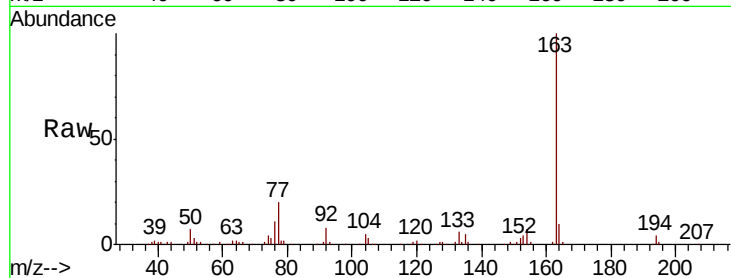
Tot Ion:163 Resp: 185542

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

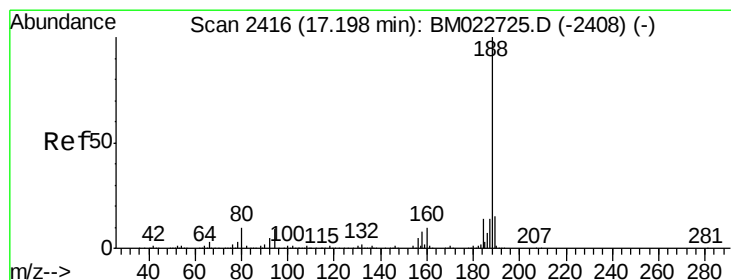
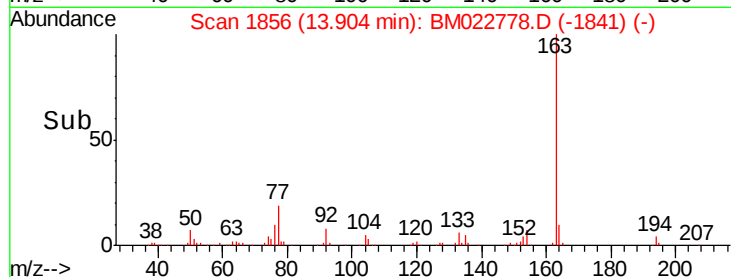
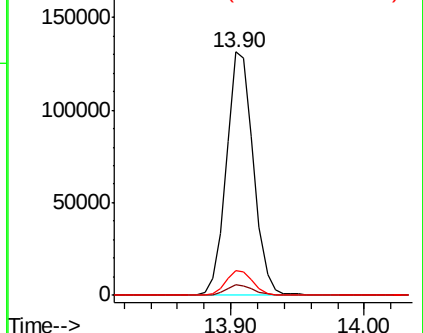
164 10.1 8.2 12.2



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

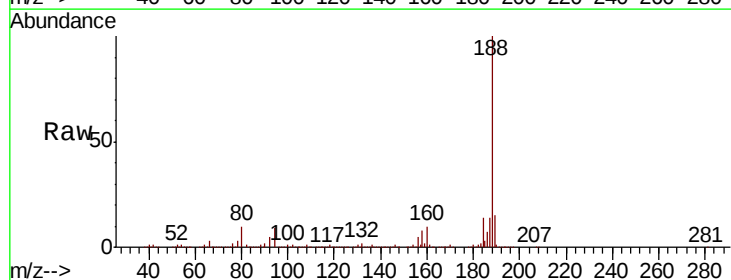
Tgt Ion:188 Resp: 884761

Ion Ratio Lower Upper

188 100

94 9.1 7.3 10.9

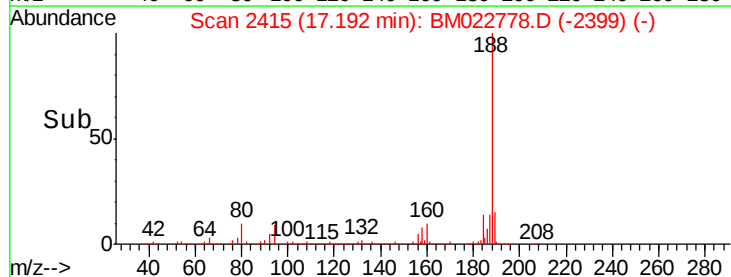
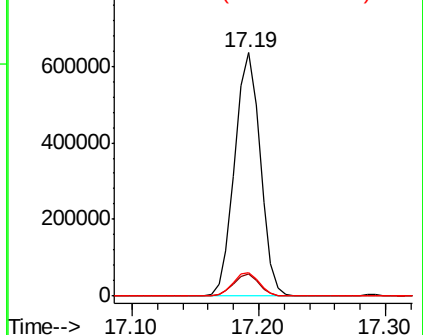
80 9.6 7.8 11.8

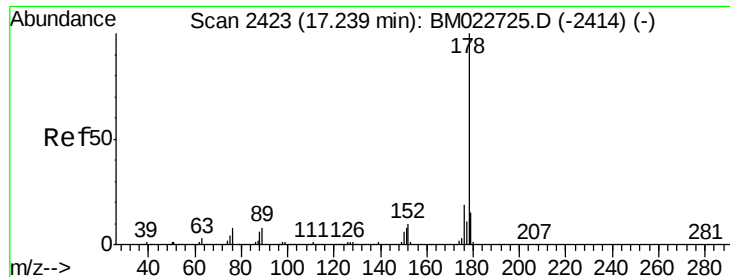


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

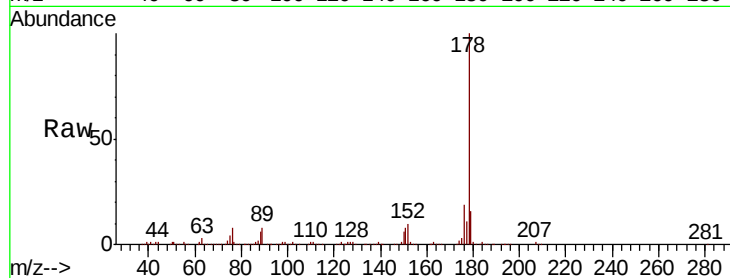




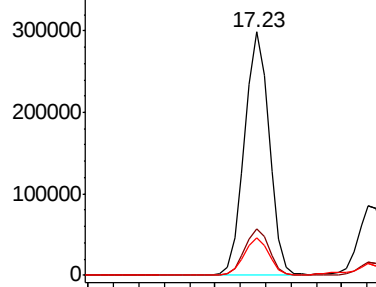
#71
Phenanthrene
Concen: 8.146 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :

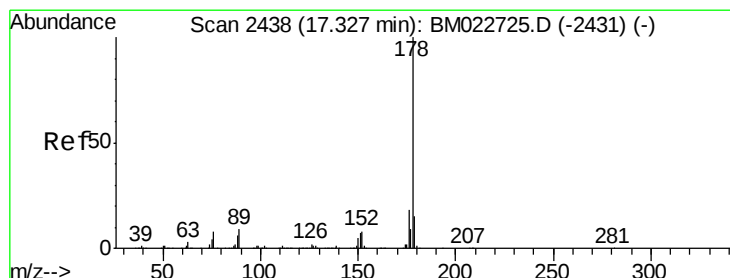
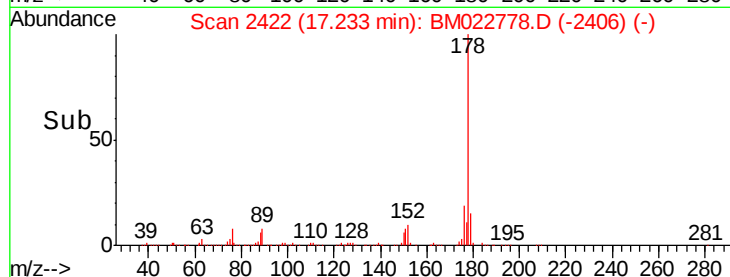
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.3	18.5



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

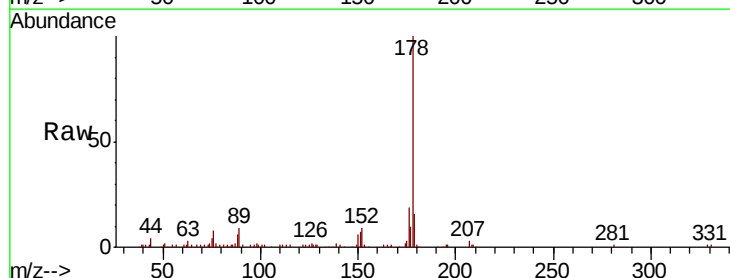


Time--> 17.10 17.20 17.30

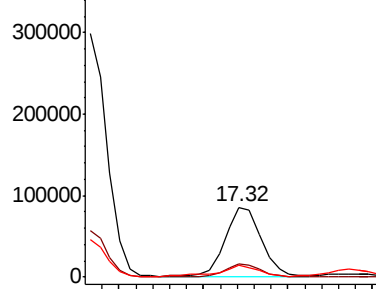


#72
Anthracene
Concen: 2.560 ng
RT: 17.32 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

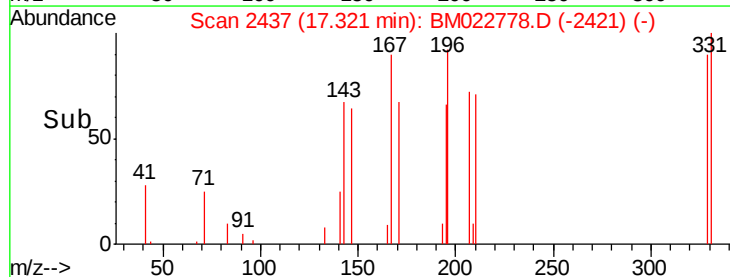
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	16.4	12.2	18.4

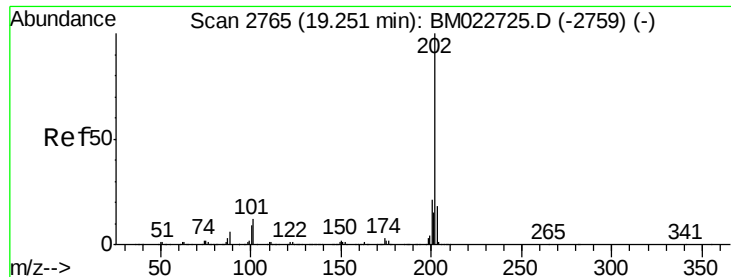


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.25 17.30 17.35





#75

Fluoranthene

Concen: 12.260 ng

RT: 19.24 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BM022778.D

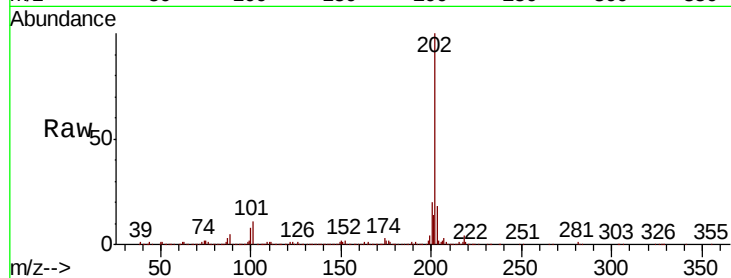
Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

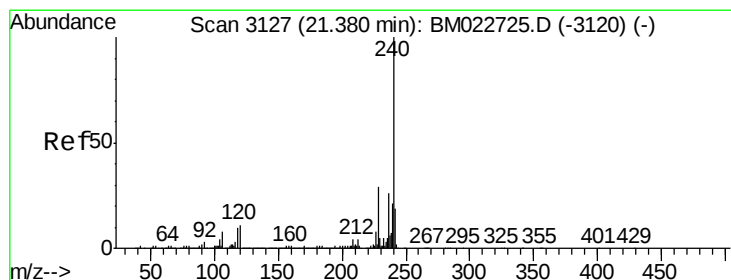
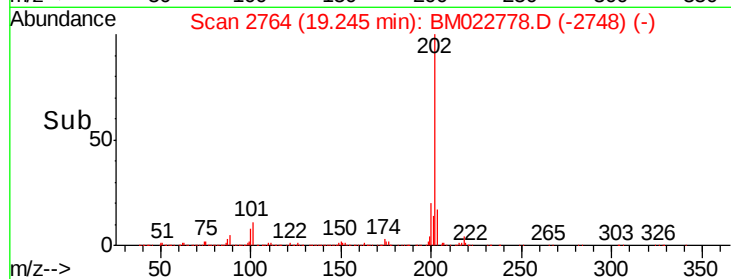
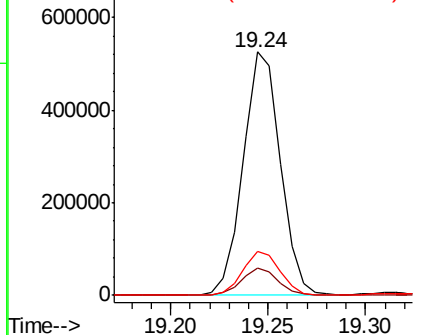
Tot Ion:	202	Resp:	690667
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.1
203	17.8	0.0	37.7



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

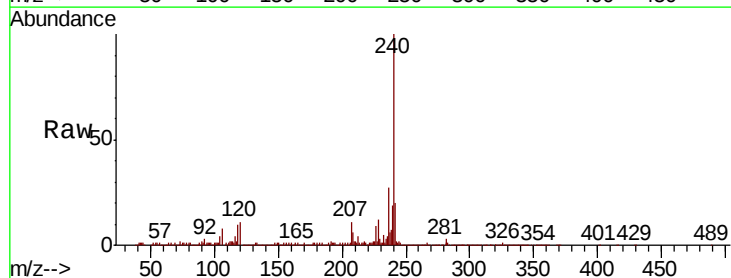
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

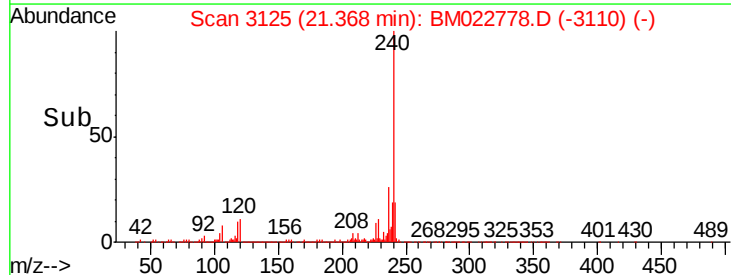
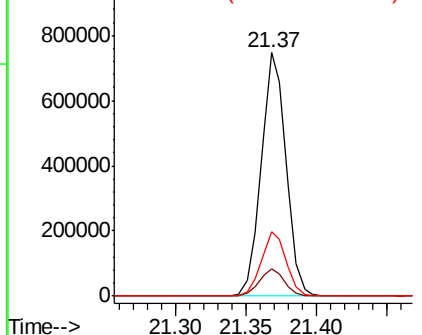
Tgt Ion:	240	Resp:	922226
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.8	13.2
236	26.5	20.8	31.2

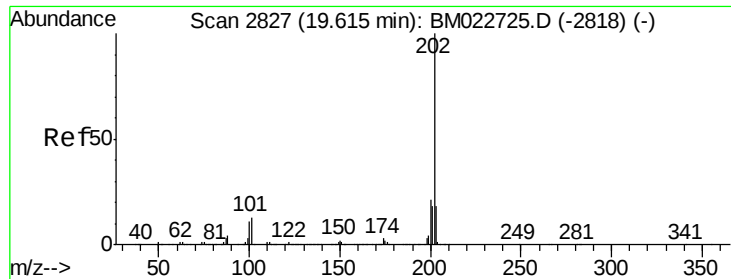


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

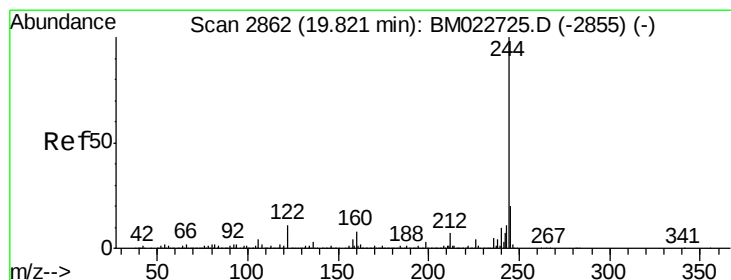
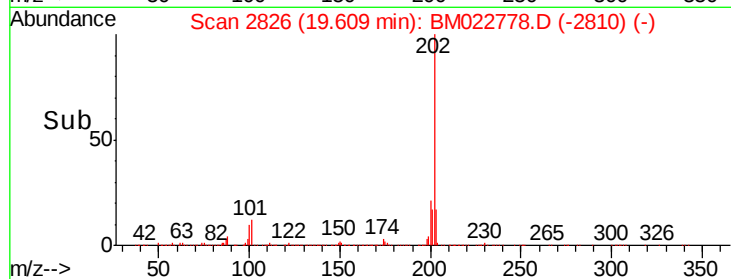
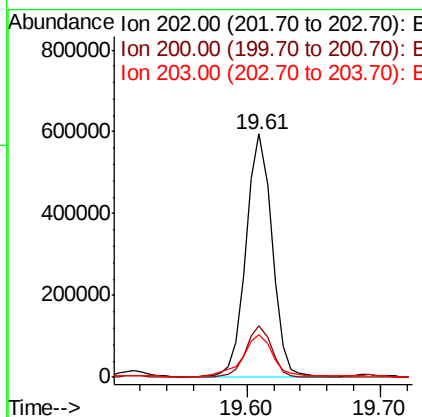
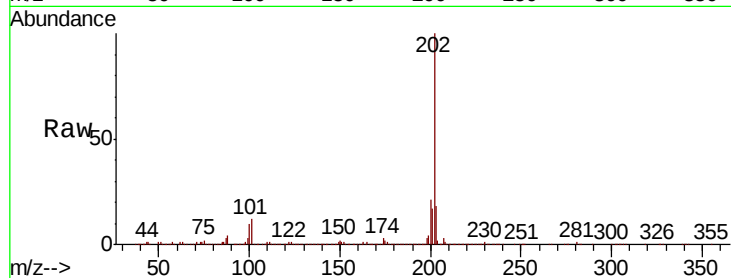




#78
Pvrene
Concen: 13.159 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

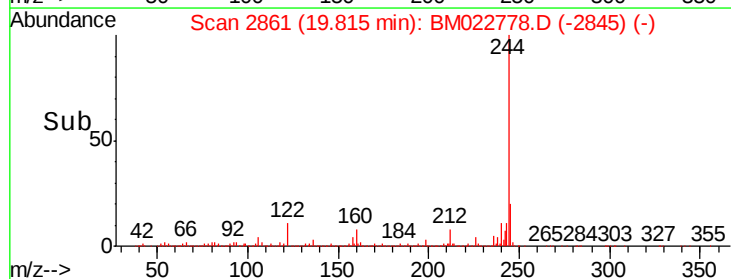
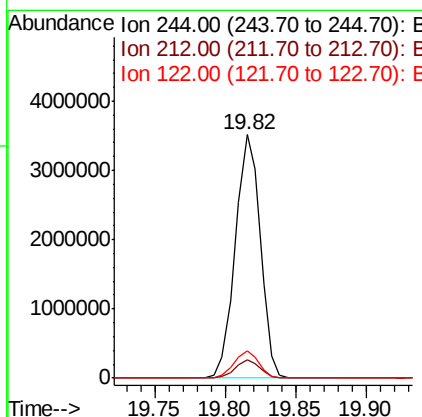
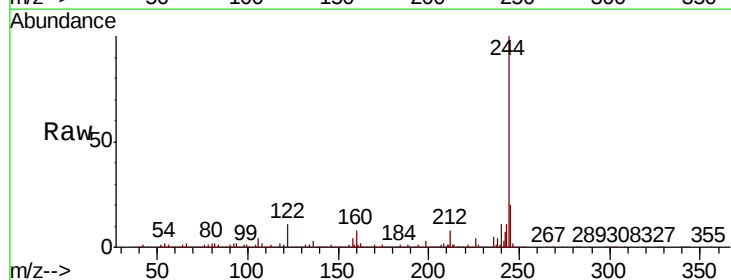
Instrument :
BNA_M
ClientSampleId :

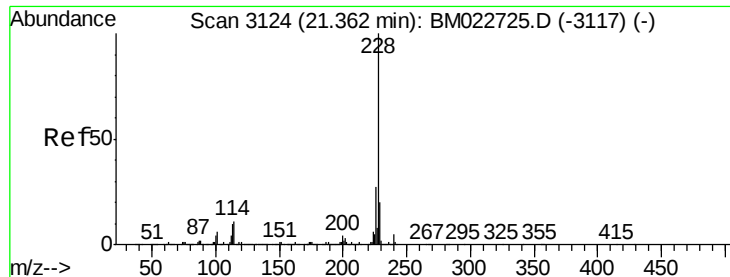
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1



#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	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.1	9.0	13.4





#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 :

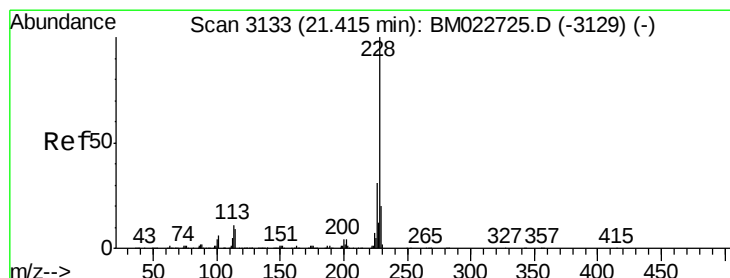
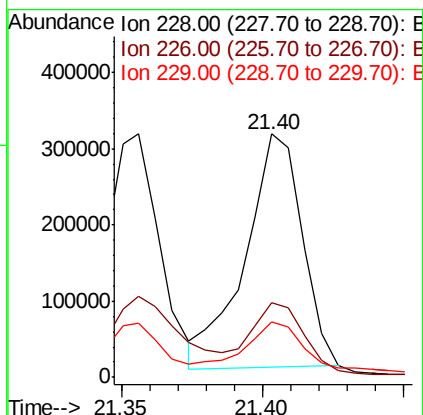
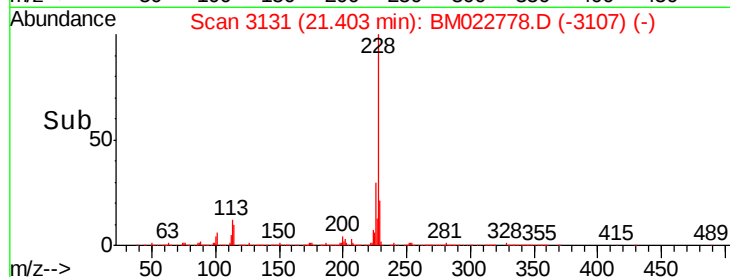
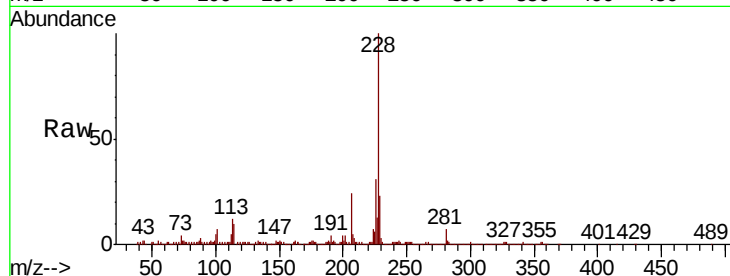
Tot Ion:228 Resp: 428511

Ion Ratio Lower Upper

228 100

226 30.8 22.0 33.0

229 22.6 15.9 23.9



#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

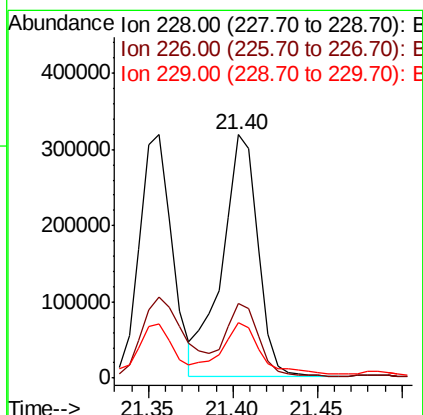
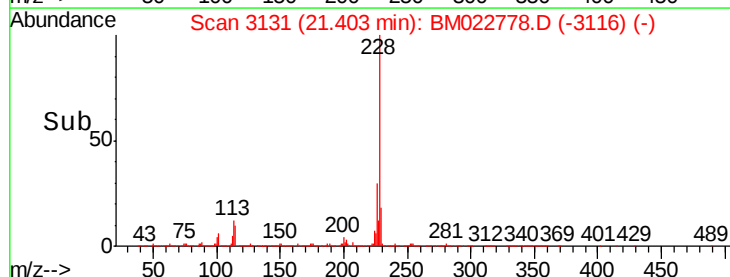
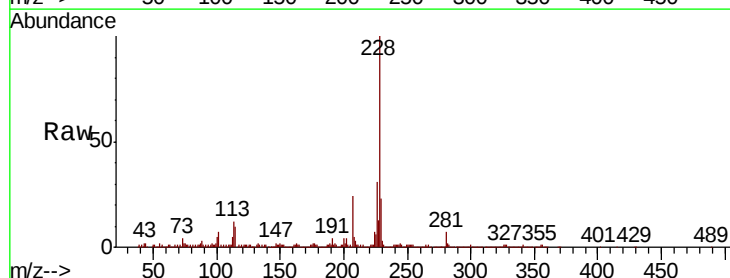
Tgt Ion:228 Resp: 466005

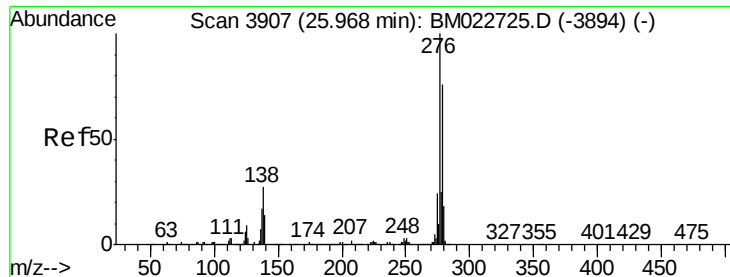
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 22.6 15.9 23.9

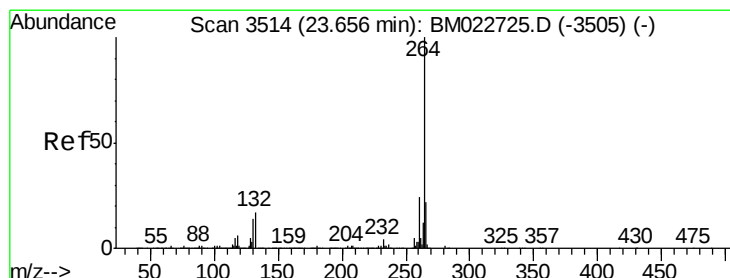
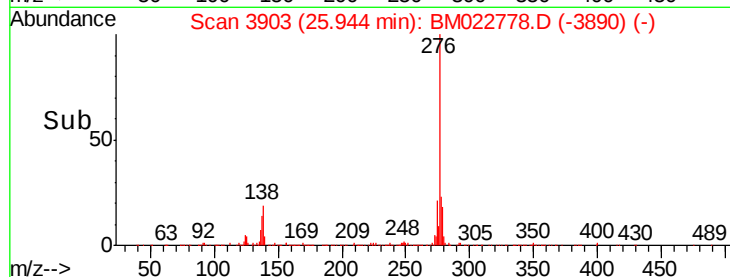
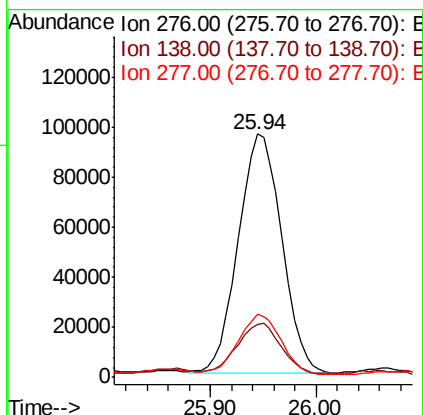
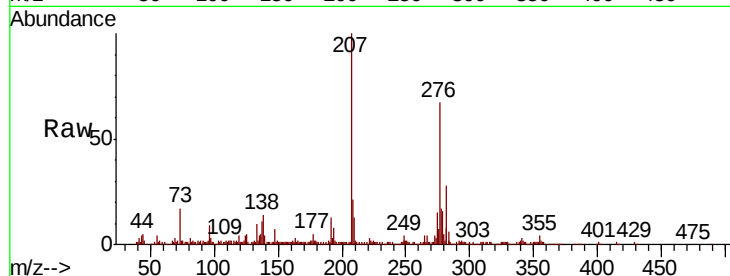




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.960 ng
 RT: 25.94 min Scan# 3903
 Delta R.T. -0.02 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

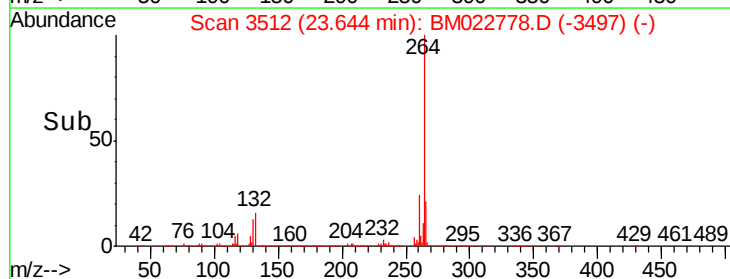
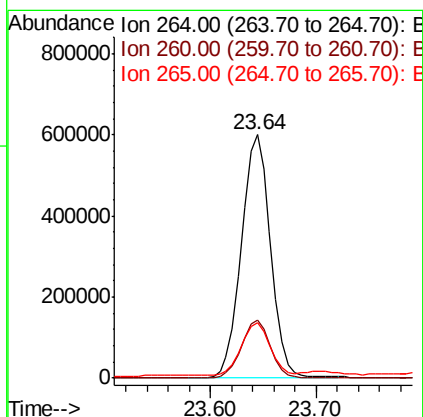
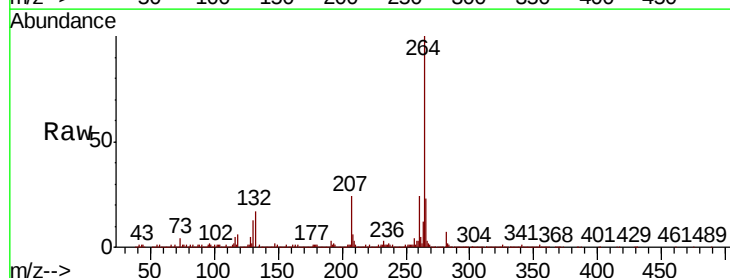
Instrument :
 BNA_M
 ClientSampleId :

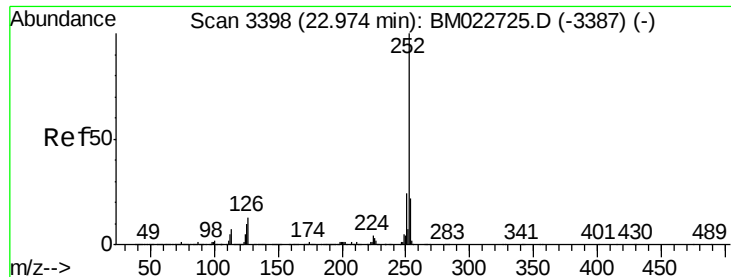
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	0.0	0.0#
277	25.0	0.0	0.0#



#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

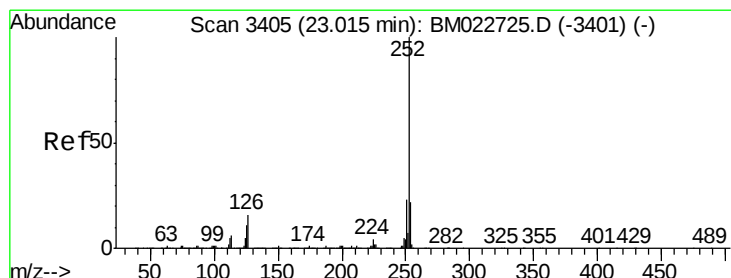
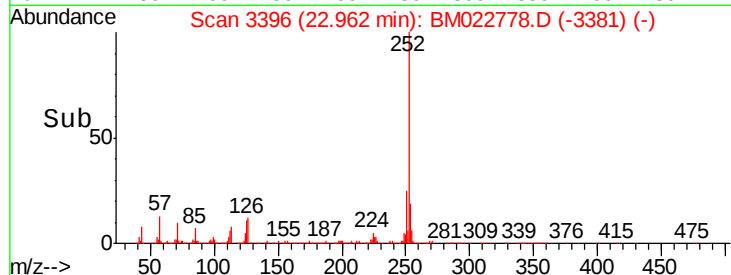
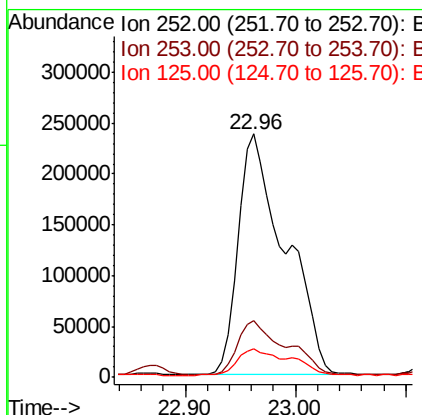
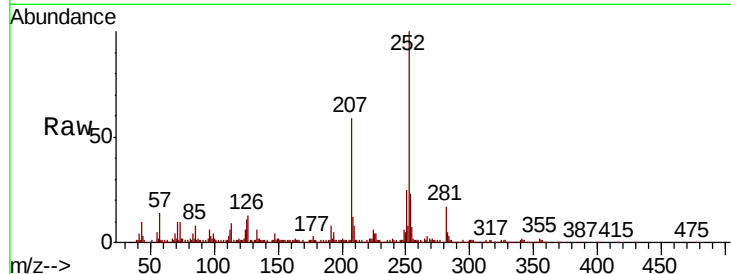




#88
Benzo(b)fluoranthene
Concen: 10.136 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

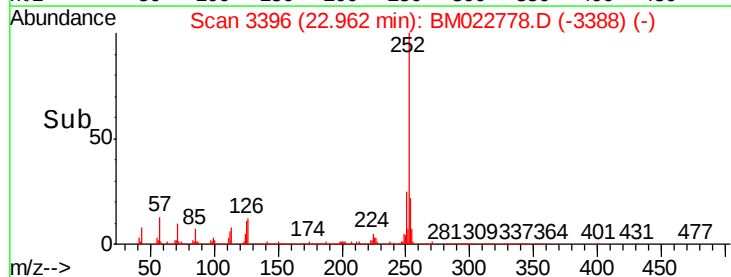
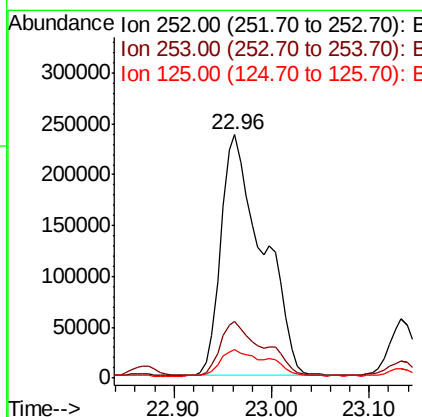
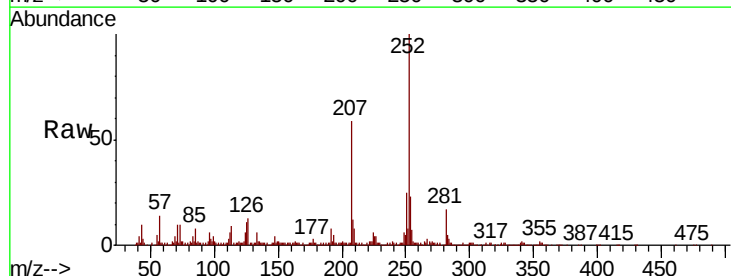
Instrument :
BNA_M
ClientSampleId :

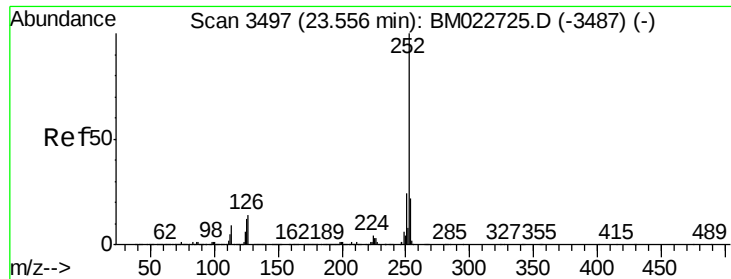
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.5	8.2	12.4



#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	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.5	8.5	12.7





#90

Benzo(a)pyrene

Concen: 6.368 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022778.D

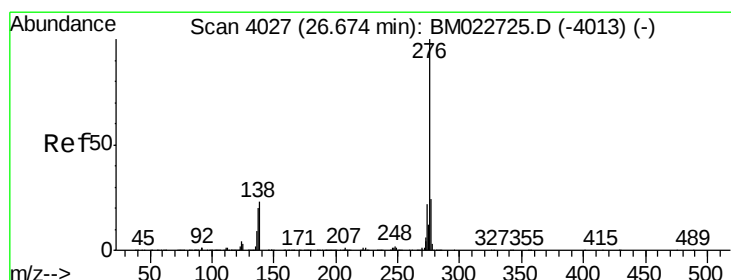
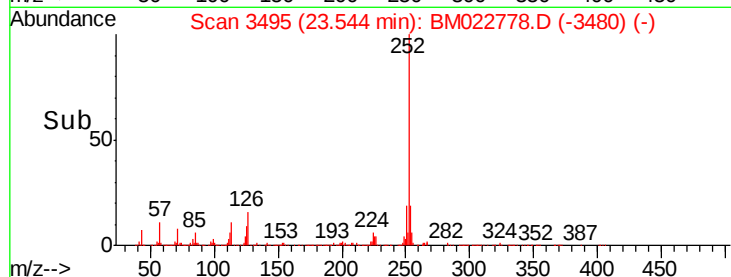
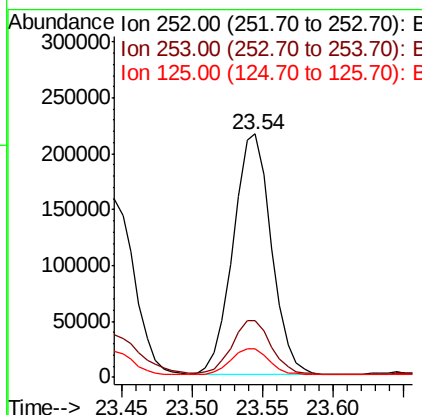
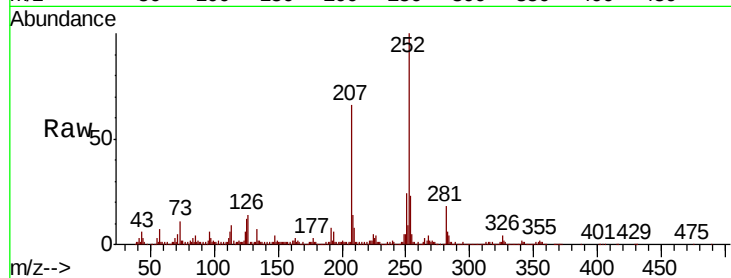
Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampled :

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



#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

