

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022777.D
 Acq On : 25 Sep 2019 18:30
 Operator : JU
 Sample : K4997-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Manual Integrations
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Quant Time: Sep 26 06:38:36 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	215207	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	772771	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	424439	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	829552	20.00	ng	0.00
76) Chrysene-d12	21.37	240	891662	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1068765	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1717596	126.58	ng	0.00
7) Phenol-d6	6.99	99	2283150	131.00	ng	0.00
23) Nitrobenzene-d5	8.97	82	1300411	93.41	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	815309	153.88	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3088408	100.20	ng	0.00
79) Terphenyl-d14	19.82	244	4402423	95.61	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	253909	6.549	ng	Qvalue 100
50) Dimethylphthalate	13.91	163	206697	6.739	ng	100
71) Phenanthrene	17.23	178	649133	13.868	ng	100
72) Anthracene	17.32	178	217646	4.798	ng	100
75) Fluoranthene	19.25	202	1148506	21.744	ng	98
78) Pyrene	19.61	202	1351615	23.130	ng	99
81) Benzo(a)anthracene	21.36	228	645883m	11.176	ng	
83) Chrysene	21.40	228	752262	13.427	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	436461	6.527	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	838117m	12.952	ng	
89) Benzo(k)fluoranthene	23.00	252	238062m	3.708	ng	
90) Benzo(a)pyrene	23.54	252	647056	10.852	ng	98
92) Benzo(a,h,i)perylene	26.66	276	465140	7.852	ng	98

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

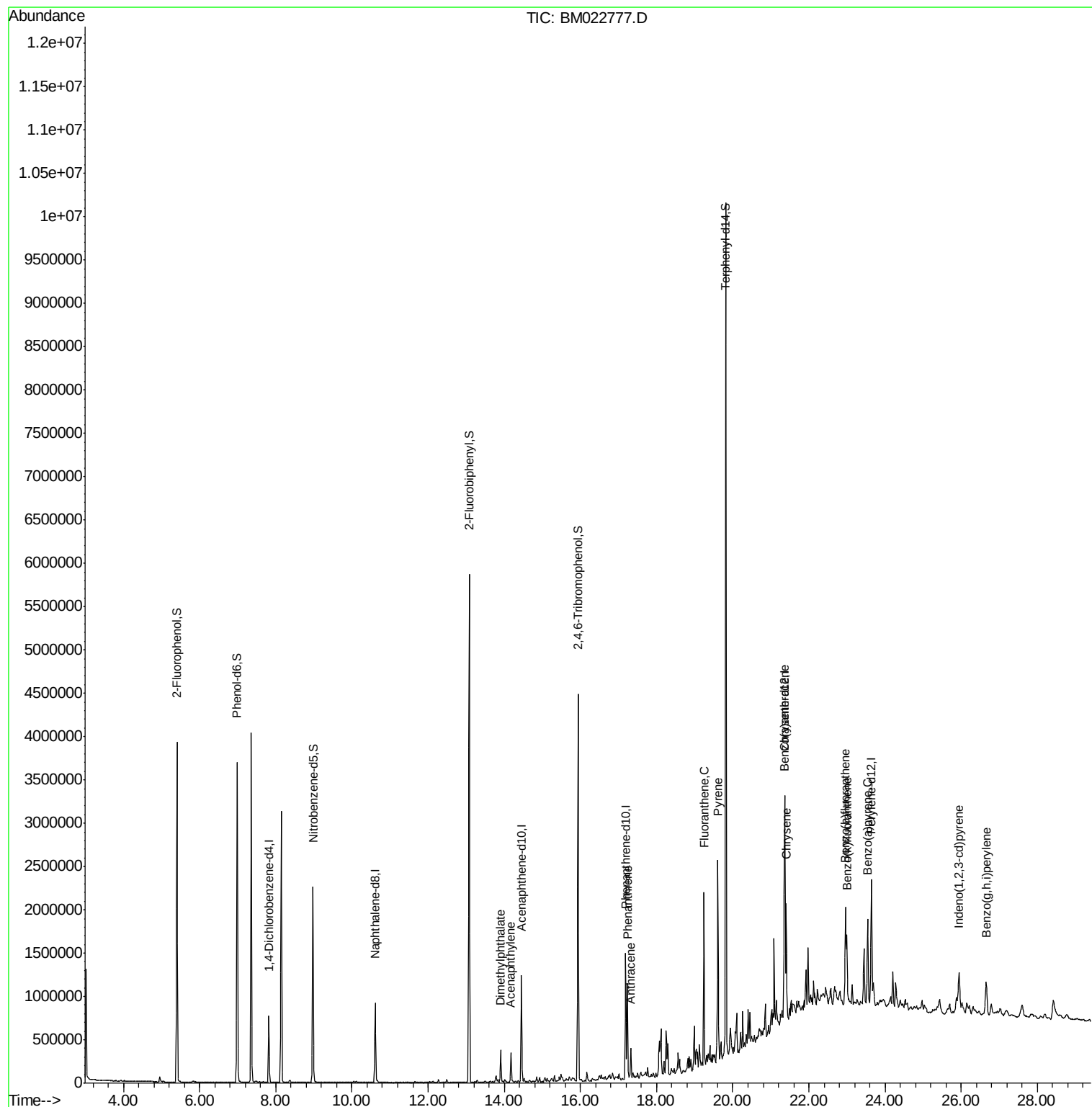
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
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Sample : K4997-05
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ALS Vial : 10 Sample Multiplier: 1

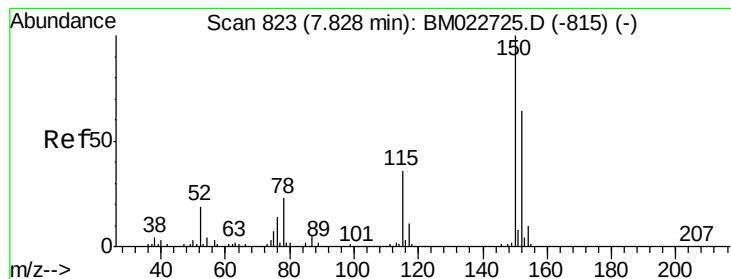
Instrument :
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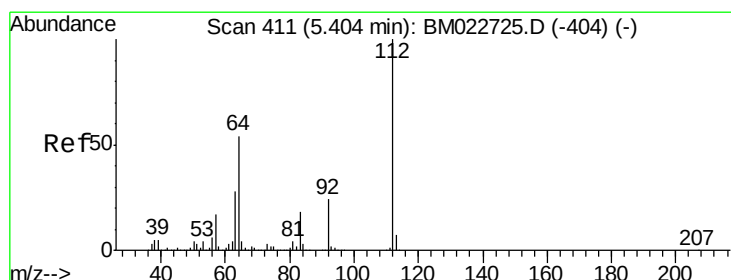
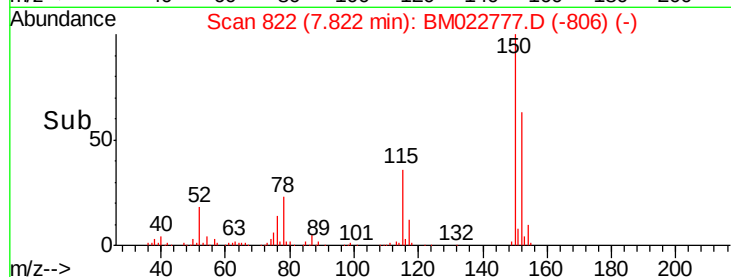
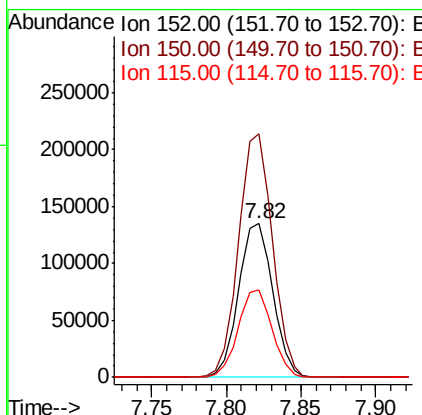
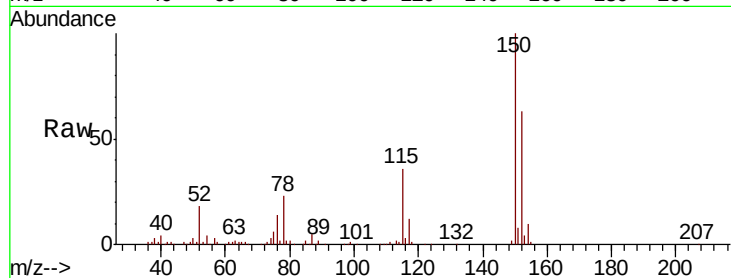
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BM022777.D
 Acq: 25 Sep 2019 18:30

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.5	186.7
115	56.7	45.0	67.4

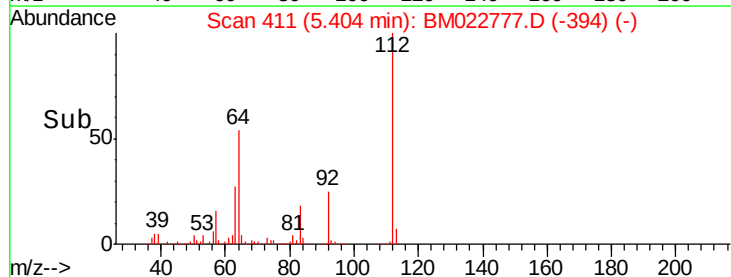
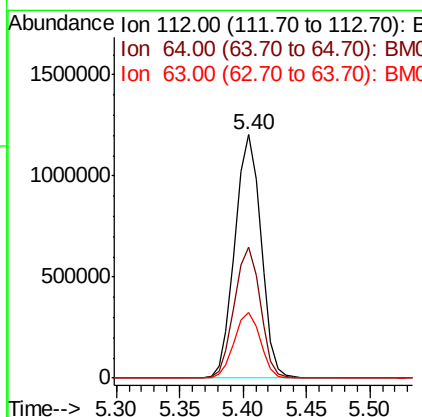
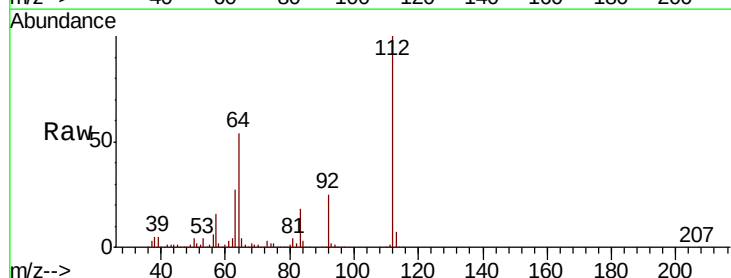
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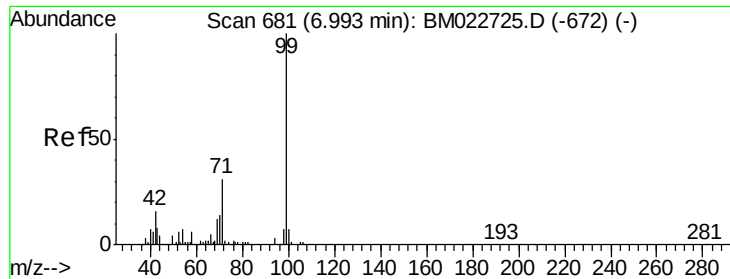
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#5
 2-Fluorophenol
 Concen: 126.578 ng
 RT: 5.40 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: BM022777.D
 Acq: 25 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.4	65.2
63	27.2	22.1	33.1





#7

Phenol-d6

Concen: 131.001 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

ClientSampleId :

WC-10-091919

Tot Ion: 99 Resp: 2283150

Ion Ratio Lower Upper

99 100

42 15.3 13.0 19.4

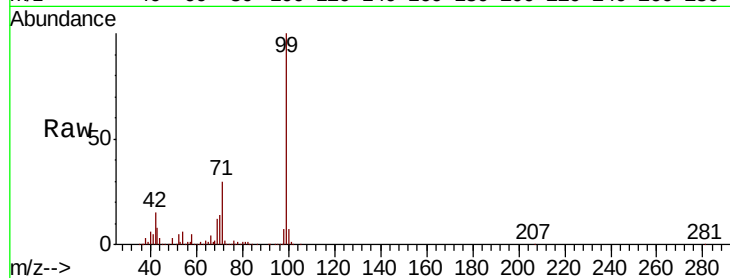
71 30.4 24.7 37.1

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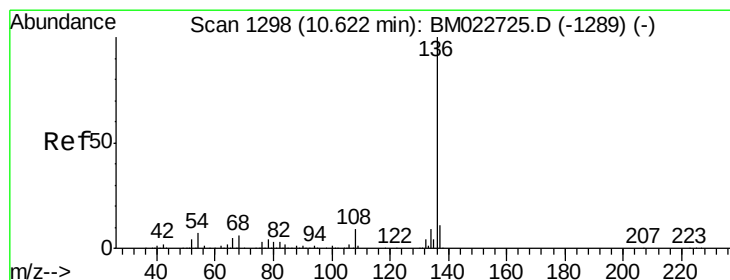
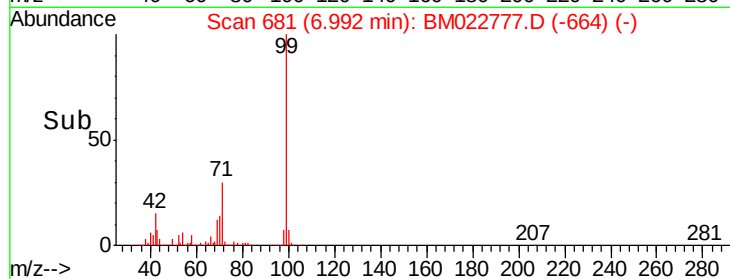
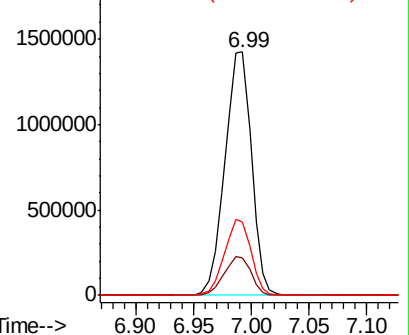
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Abundance Ion 99.00 (98.70 to 99.70): BM022777.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022777.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022777.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Tgt Ion: 136 Resp: 772771

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.2 6.0 9.0

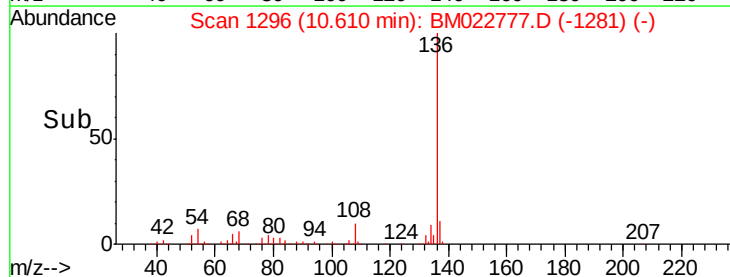
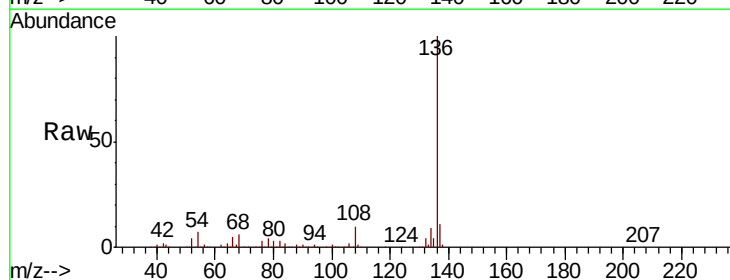
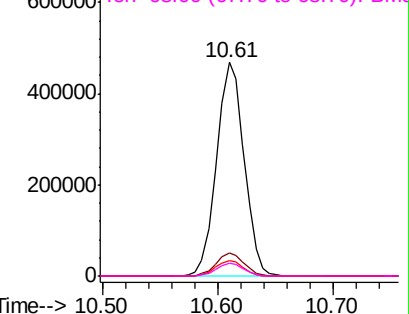
68 5.9 4.9 7.3

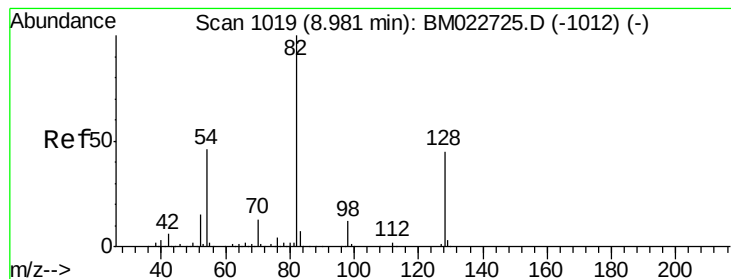
Abundance Ion 136.00 (135.70 to 136.70): BM022777.D (-1281) (-)

Ion 137.00 (136.70 to 137.70): BM022777.D (-1281) (-)

Ion 54.00 (53.70 to 54.70): BM022777.D (-1281) (-)

Ion 68.00 (67.70 to 68.70): BM022777.D (-1281) (-)





#23

Nitrobenzene-d5

Concen: 93.412 ng

RT: 8.97 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

ClientSampleId :

WC-10-091919

Tot Ion: 82 Resp: 1300411

Ion Ratio Lower Upper

82 100

128 47.0 36.0 54.0

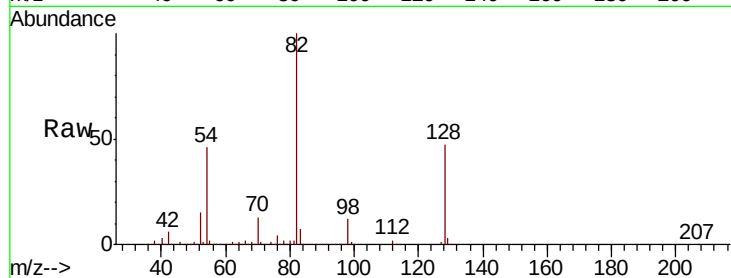
54 46.0 37.1 55.7

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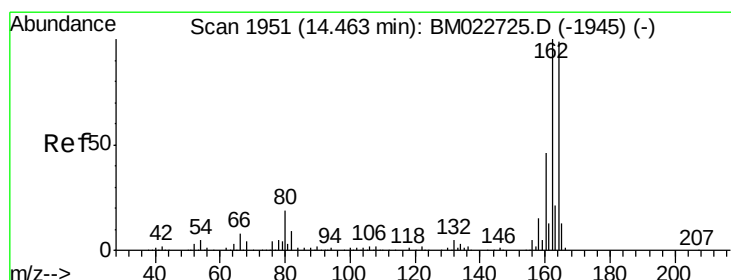
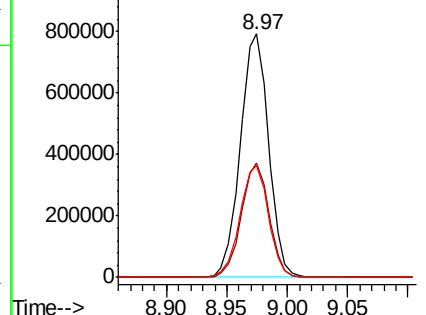
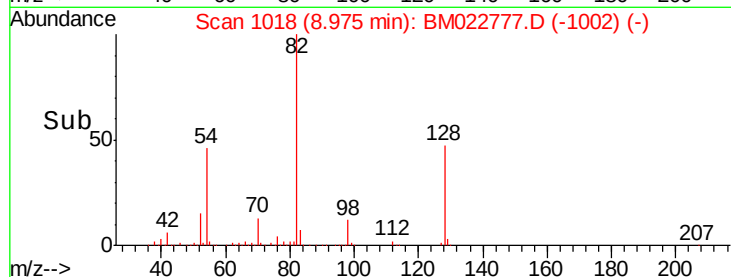
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Abundance Ion 82.00 (81.70 to 82.70): BM022777.D (-1002) (-)

Ion 128.00 (127.70 to 128.70): BM022777.D (-1002) (-)

Ion 54.00 (53.70 to 54.70): BM022777.D (-1002) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

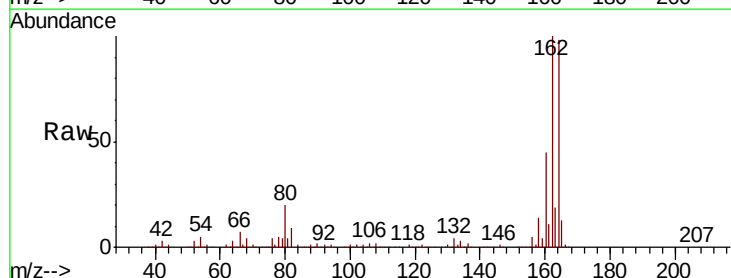
Tgt Ion: 164 Resp: 424439

Ion Ratio Lower Upper

164 100

162 102.5 81.1 121.7

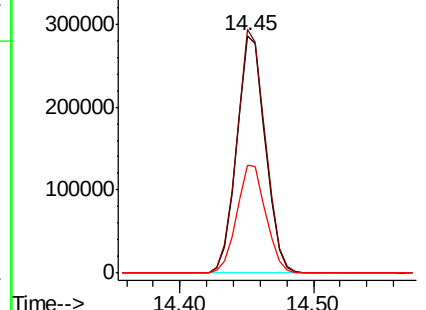
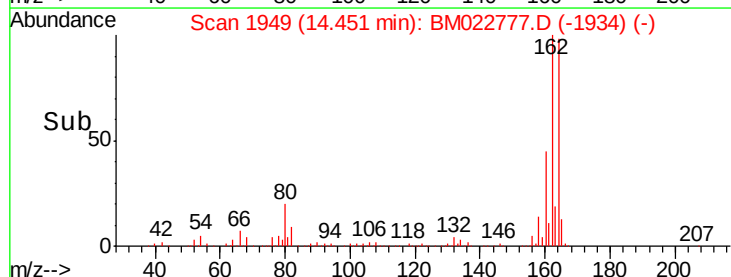
160 45.7 36.9 55.3

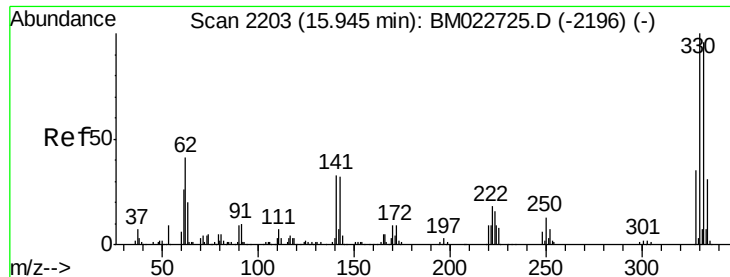


Abundance Ion 164.00 (163.70 to 164.70): BM022777.D (-1934) (-)

Ion 162.00 (161.70 to 162.70): BM022777.D (-1934) (-)

Ion 160.00 (159.70 to 160.70): BM022777.D (-1934) (-)





#42

2,4,6-Tribromophenol

Concen: 153.877 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

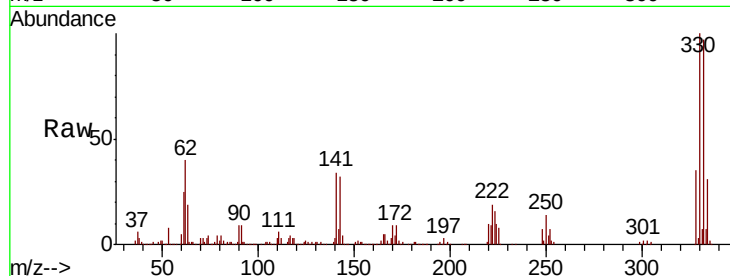
ClientSampleId :

WC-10-091919

Tot Ion:	330	Resp:	815309
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	34.0	28.6	42.8

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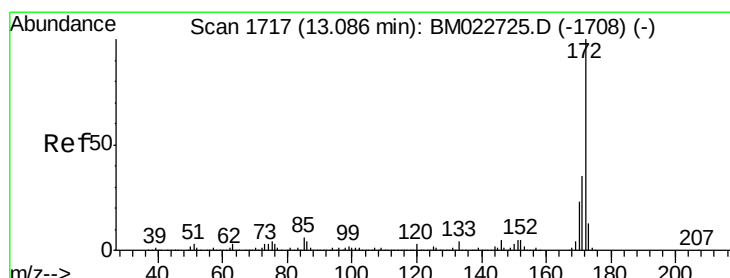
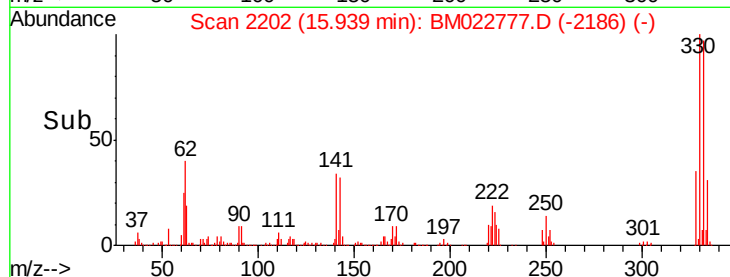
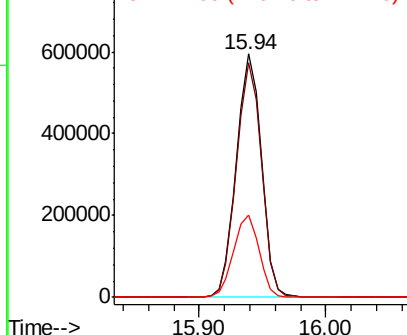


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 100.200 ng

RT: 13.08 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

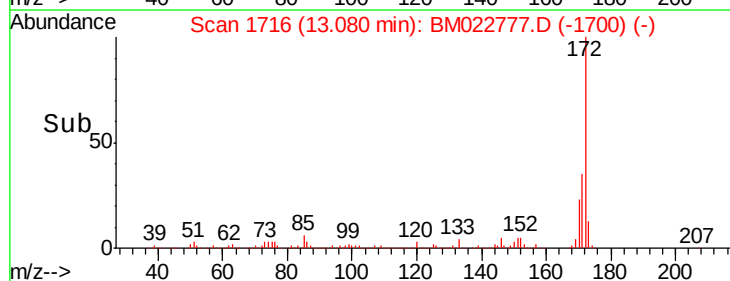
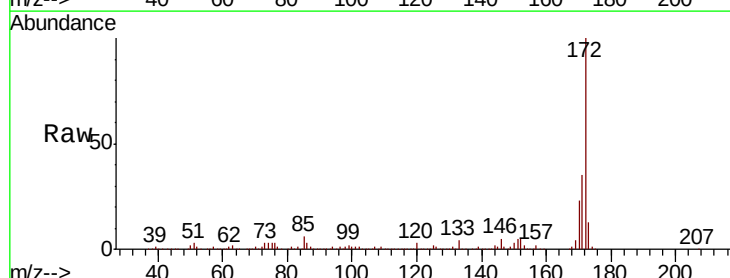
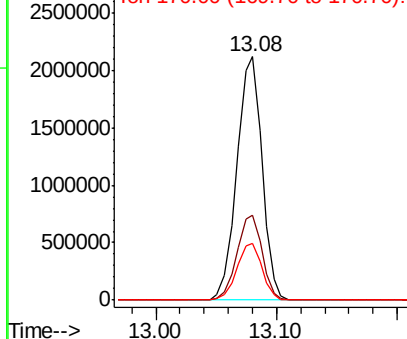
Tgt Ion:	172	Resp:	3088408
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.8	41.8
170	23.5	18.7	28.1

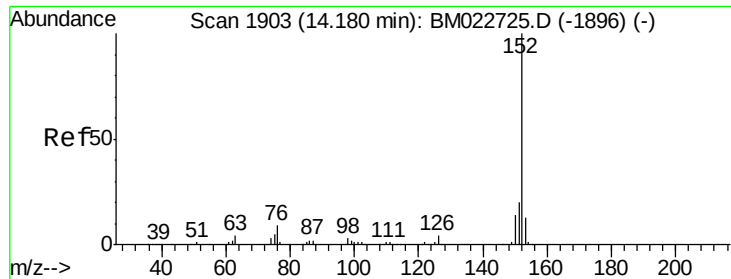
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 6.549 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

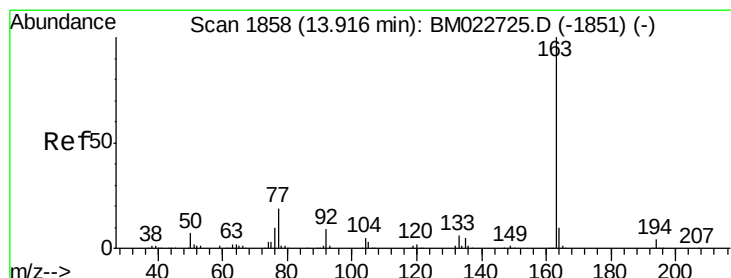
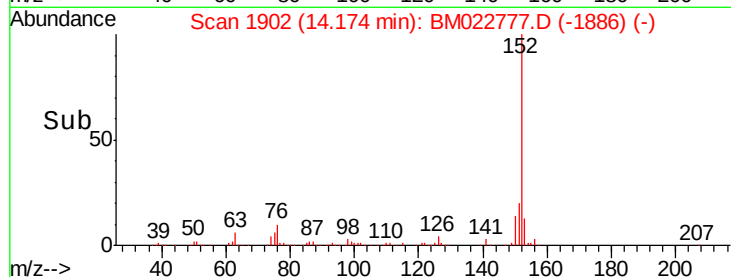
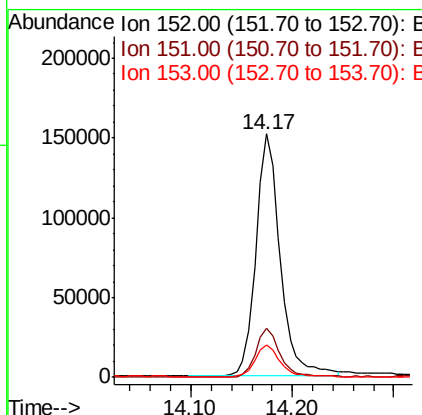
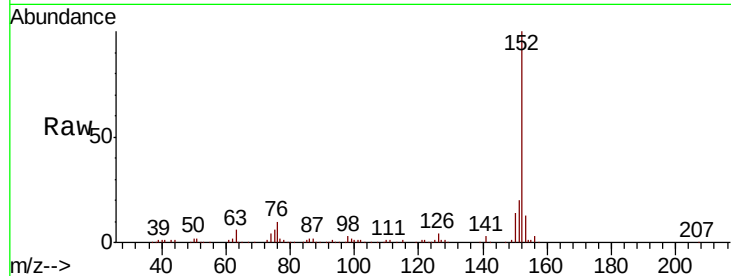
ClientSampleId :

WC-10-091919

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		253909		
151	20.2	15.9	23.9		
153	13.2	10.5	15.7		

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#50

Dimethylphthalate

Concen: 6.739 ng

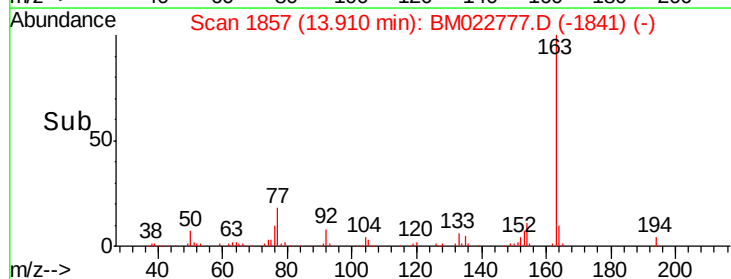
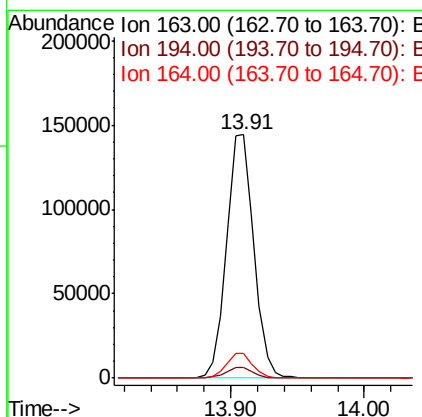
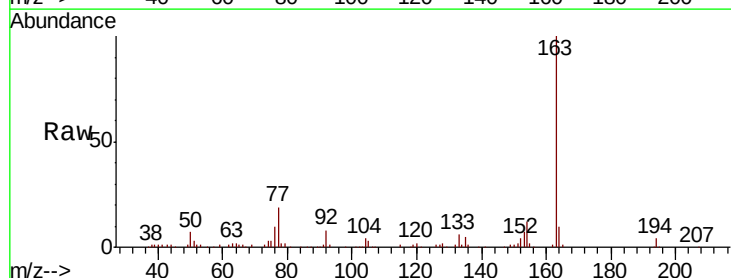
RT: 13.91 min Scan# 1857

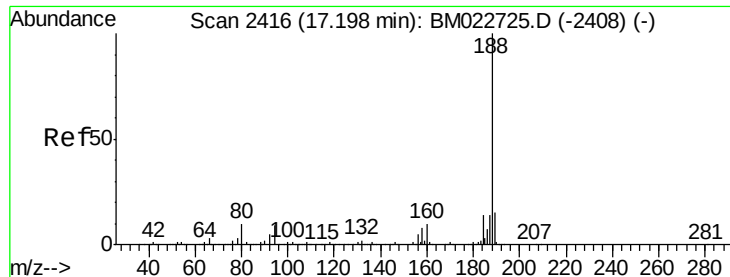
Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		206697		
194	4.2	3.3	4.9		
164	10.0	8.2	12.2		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.19 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

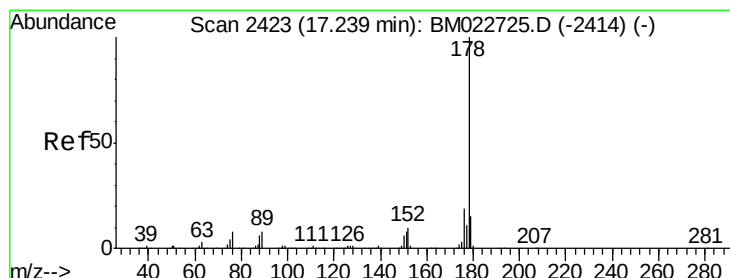
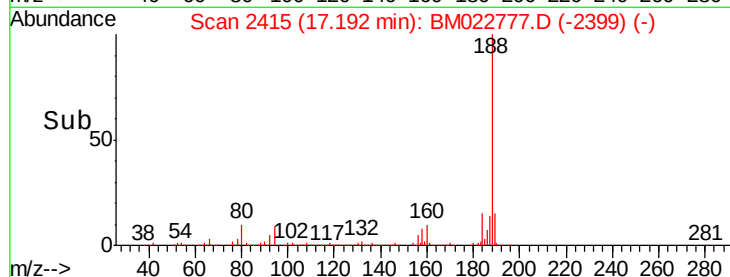
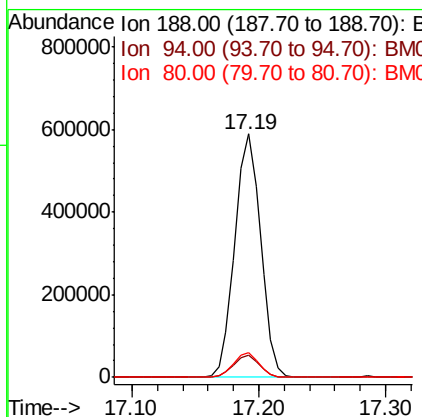
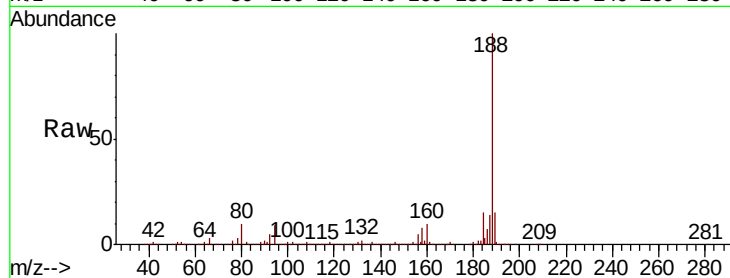
ClientSampleId :

WC-10-091919

Tot Ion:	188	Resp:	829552
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.3	10.9
80	9.9	7.8	11.8

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#71

Phenanthrene

Concen: 13.868 ng

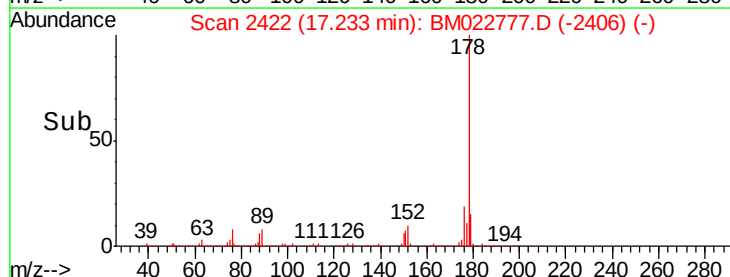
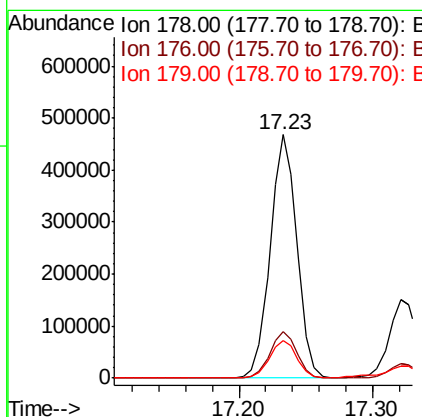
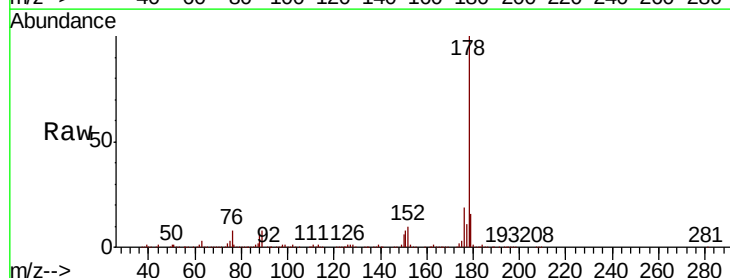
RT: 17.23 min Scan# 2422

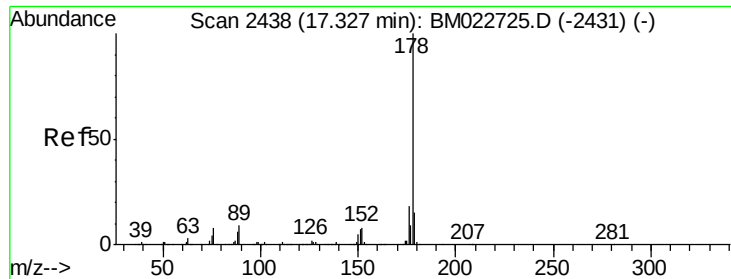
Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Tgt Ion:	178	Resp:	649133
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	15.6	12.3	18.5





#72

Anthracene

Concen: 4.798 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

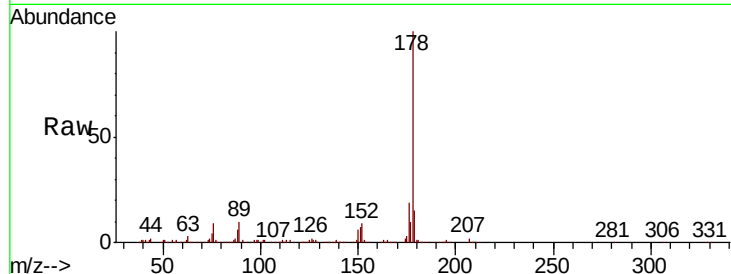
ClientSampleId :

WC-10-091919

Tot Ion:	178	Resp:	217646
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.7	22.1
179	15.5	12.2	18.4

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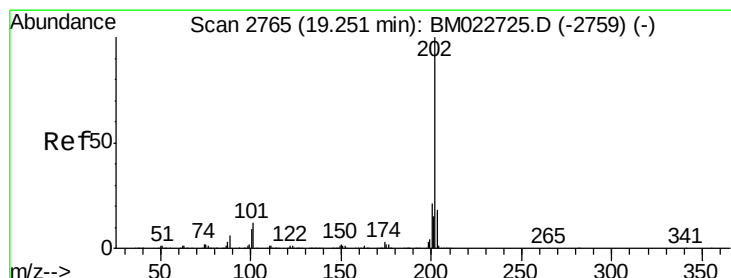
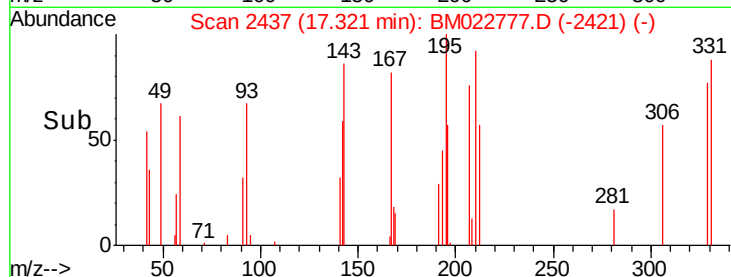
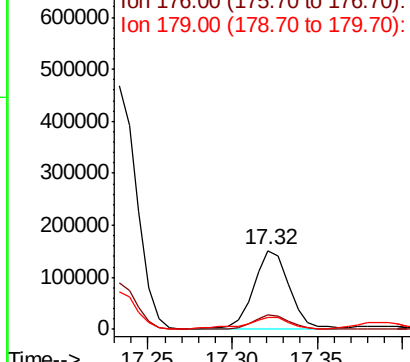


Abundance

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: 21.744 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

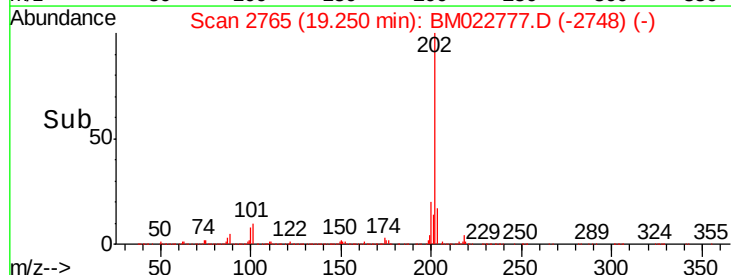
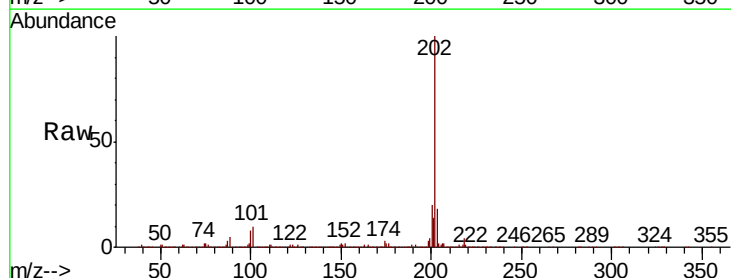
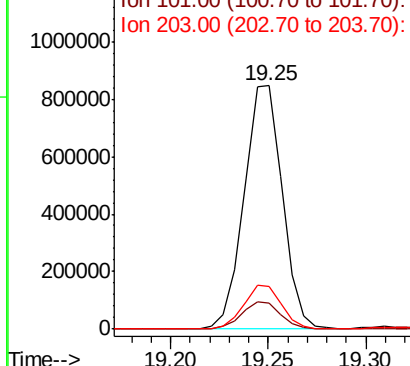
Tgt Ion:	202	Resp:	1148506
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.1
203	17.7	0.0	37.7

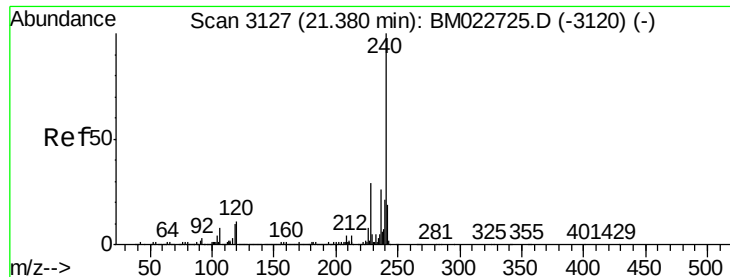
Abundance

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





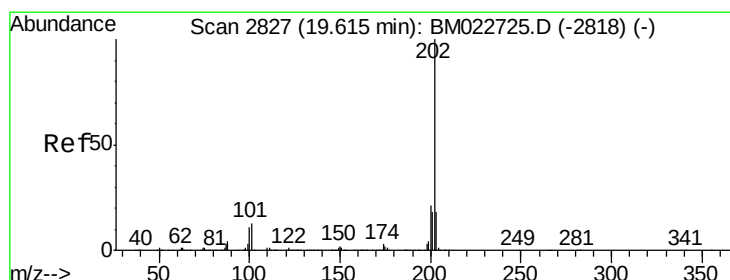
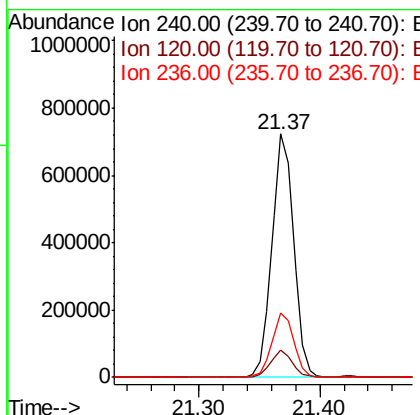
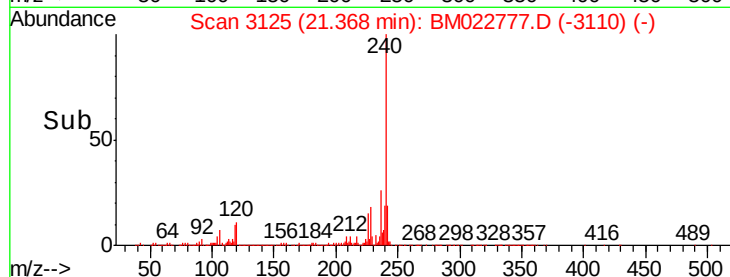
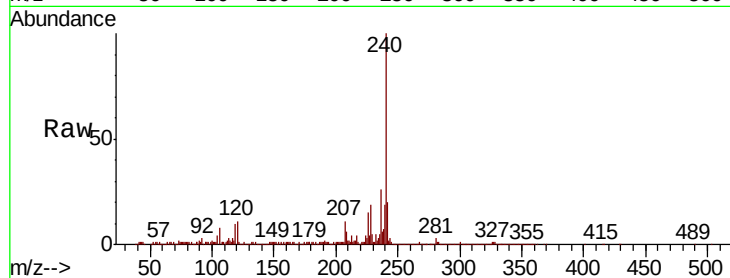
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.8	13.2
236	26.2	20.8	31.2

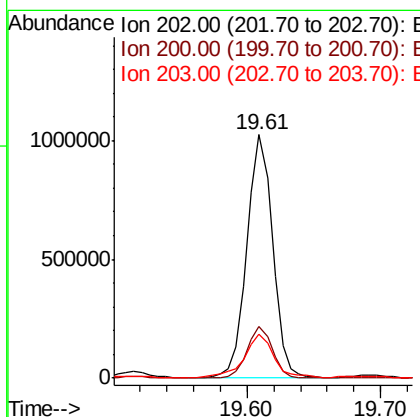
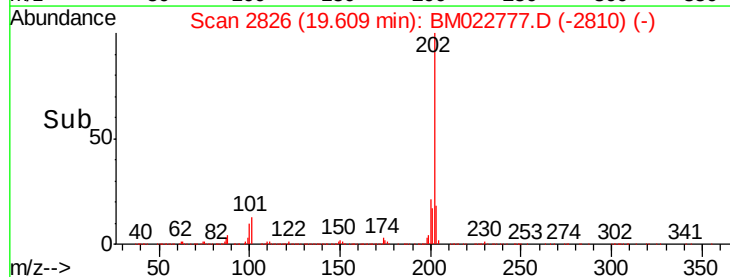
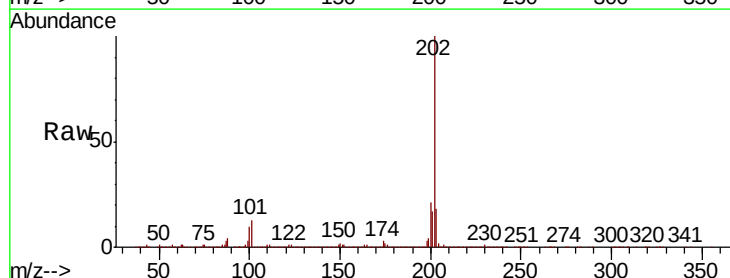
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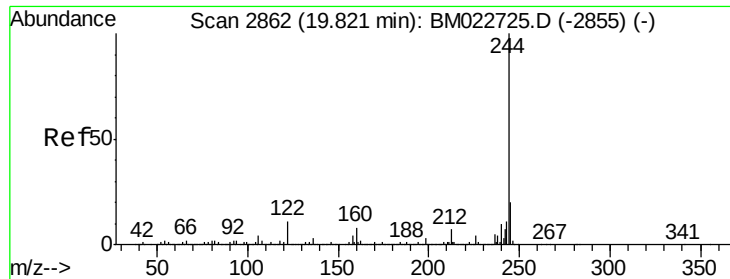
mohammad
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#78
Pyrene
Concen: 23.130 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	18.0	14.1	21.1





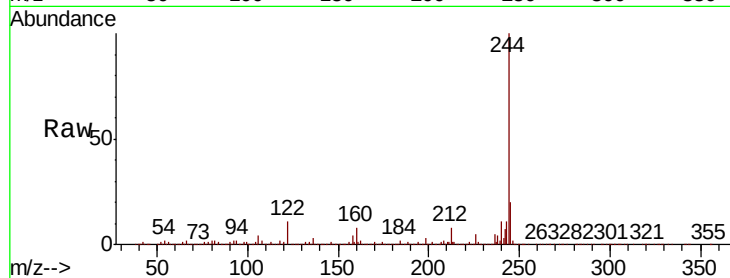
#79
 Terphenyl-d14
 Concen: 95.605 ng
 RT: 19.82 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BM022777.D
 Acq: 25 Sep 2019 18:30

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.2	9.0	13.4

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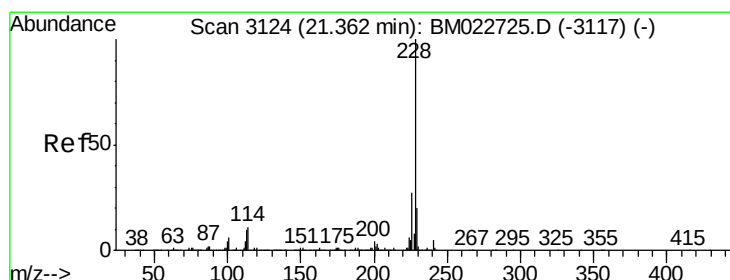
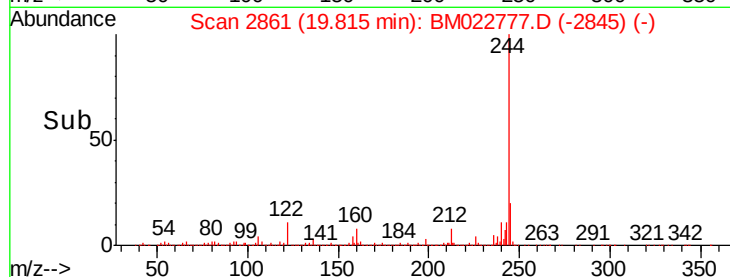
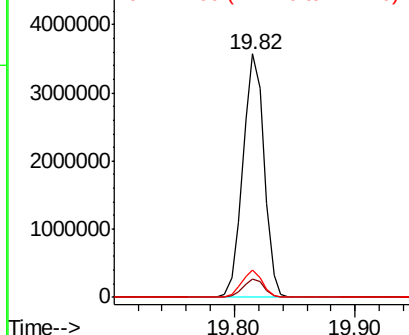


Abundance

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: 11.176 ng m
 RT: 21.36 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BM022777.D
 Acq: 25 Sep 2019 18:30

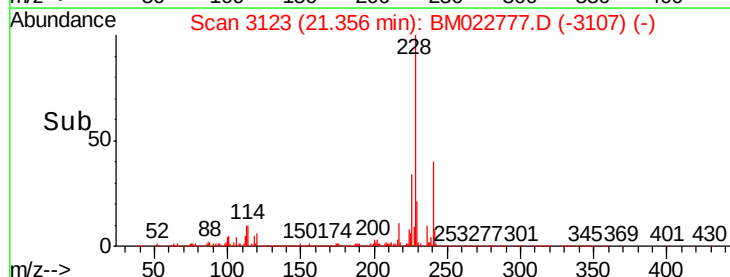
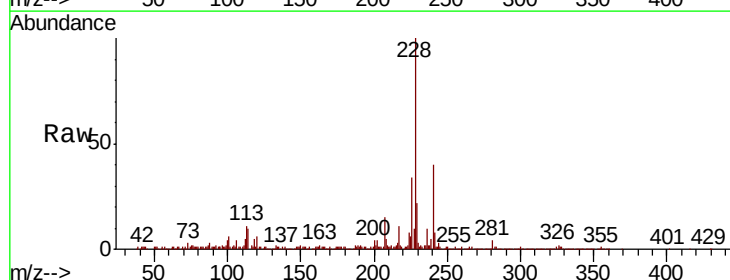
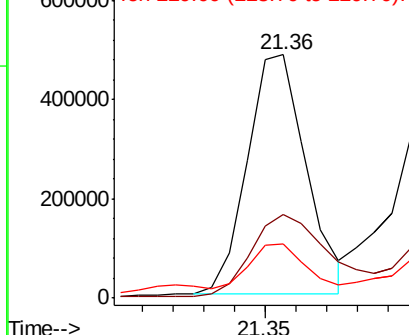
Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.0	33.0#
229	22.3	15.9	23.9

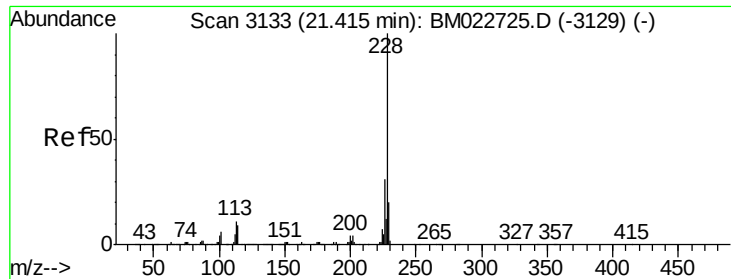
Abundance

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





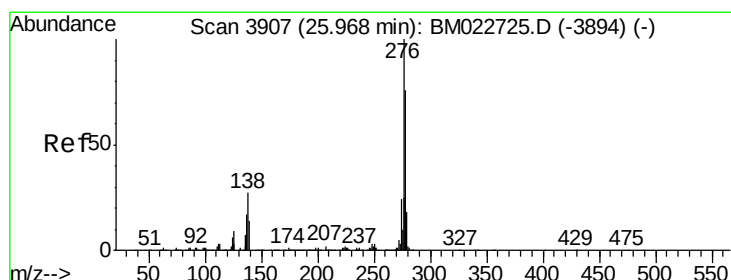
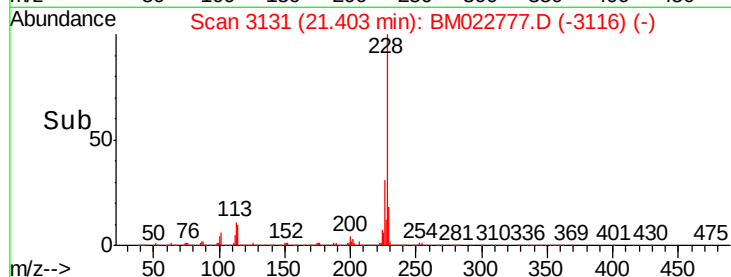
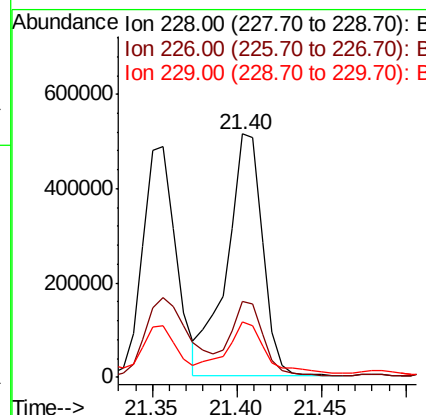
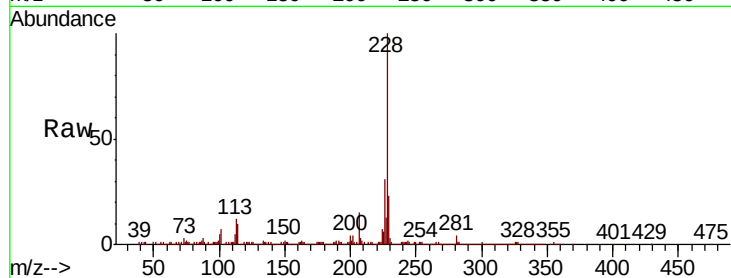
#83
Chrysene
Concen: 13.427 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	22.6	15.9	23.9

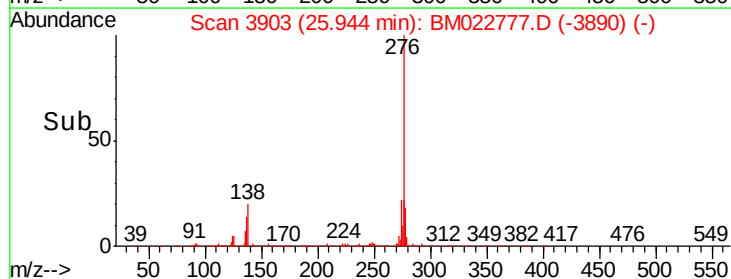
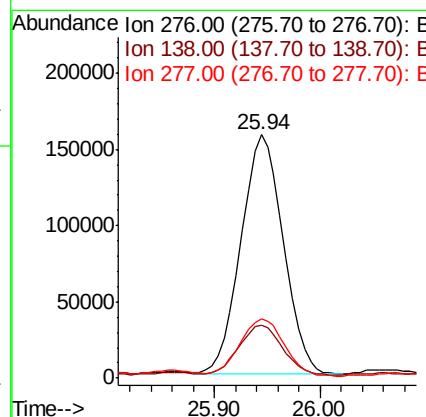
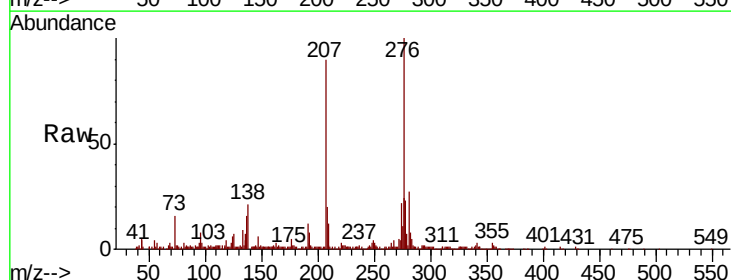
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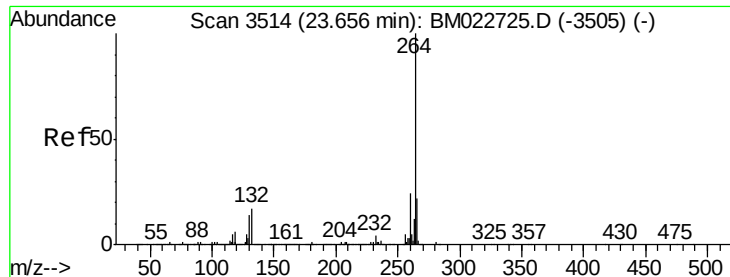
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.527 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	0.0	0.0#
277	24.9	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

Instrument :

BNA_M

ClientSampleId :

WC-10-091919

Tot Ion:264 Resp: 1068765

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

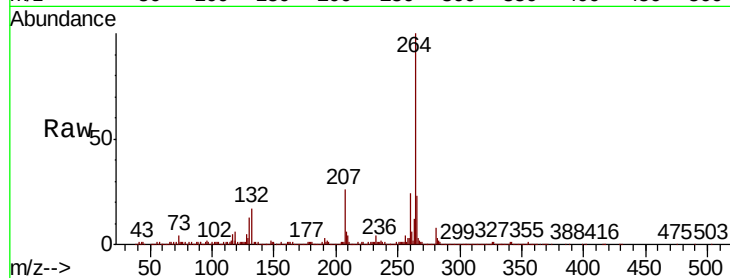
265 23.0 17.9 26.9

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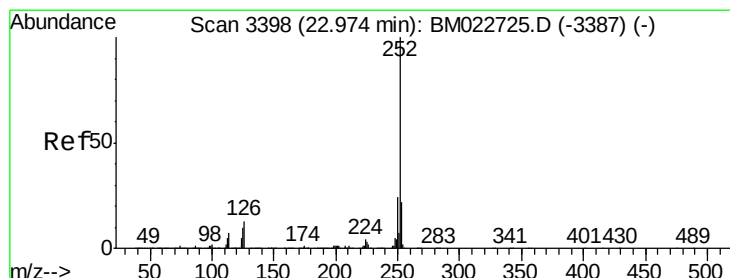
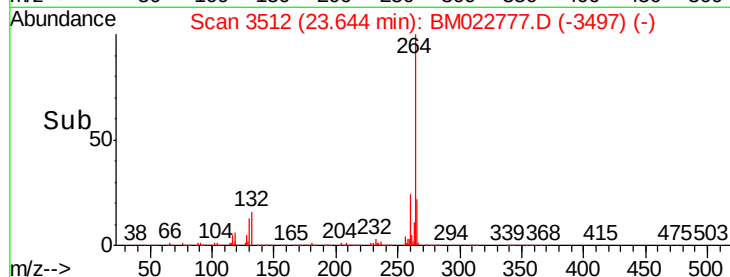
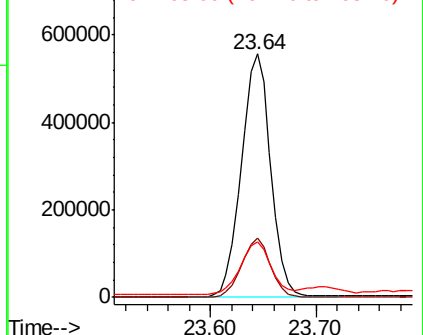


Abundance

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: 12.952 ng m

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM022777.D

Acq: 25 Sep 2019 18:30

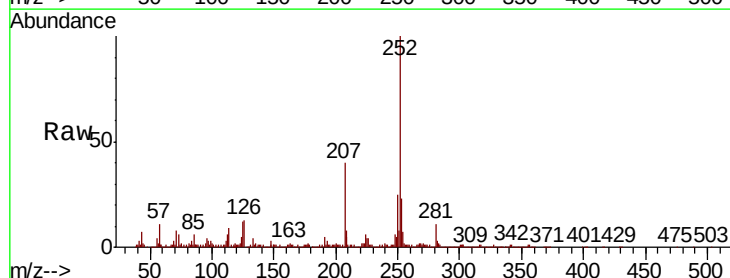
Tgt Ion:252 Resp: 838117

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.8 8.2 12.4

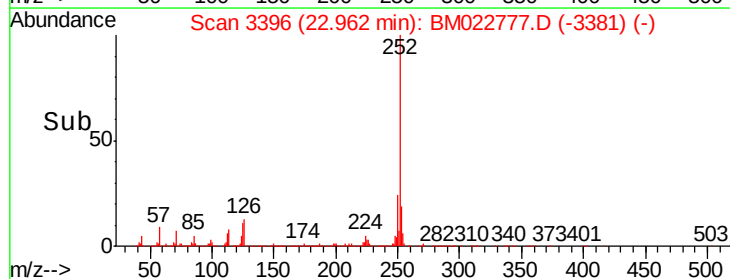
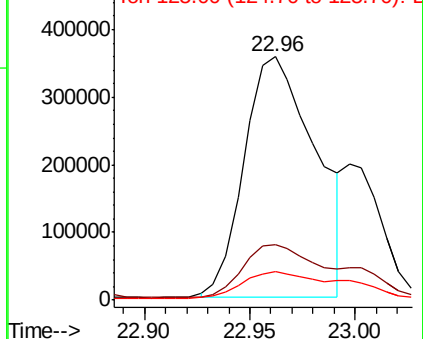


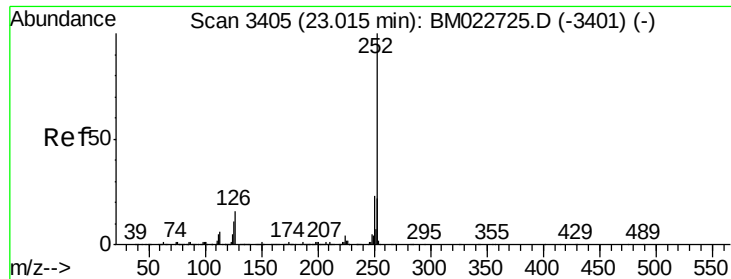
Abundance

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





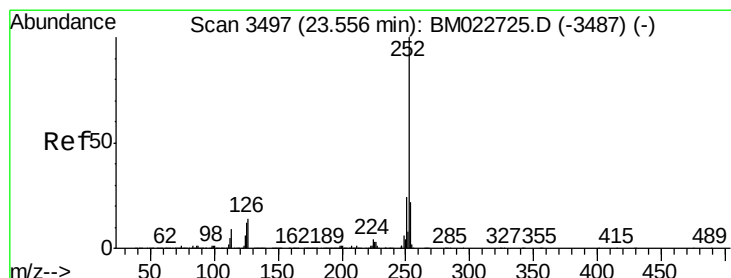
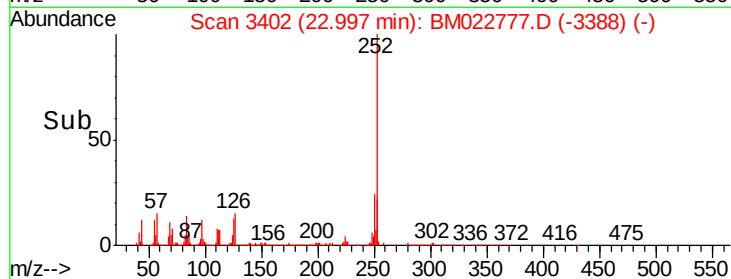
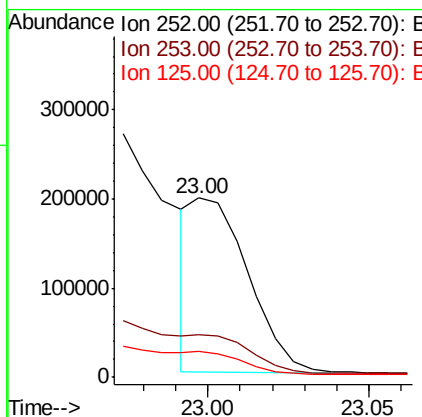
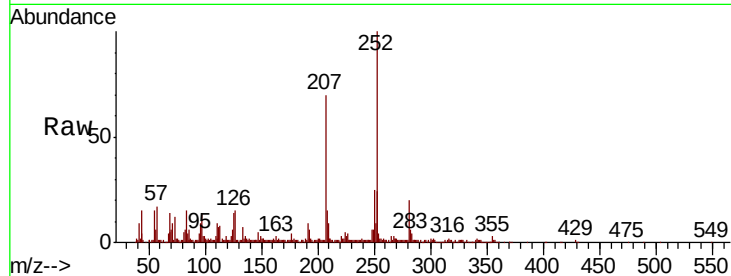
#89
Benzo(k)fluoranthene
Concen: 3.708 ng m
RT: 23.00 min Scan# 3402
Delta R.T. -0.02 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	14.4	8.5	12.7

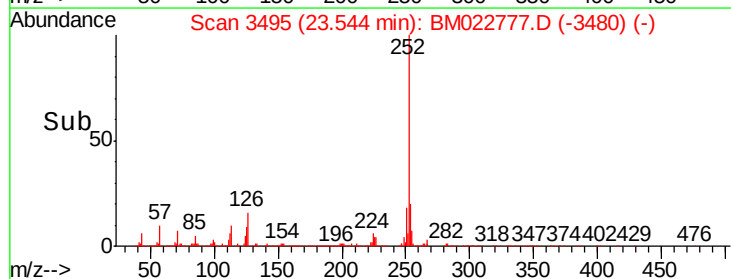
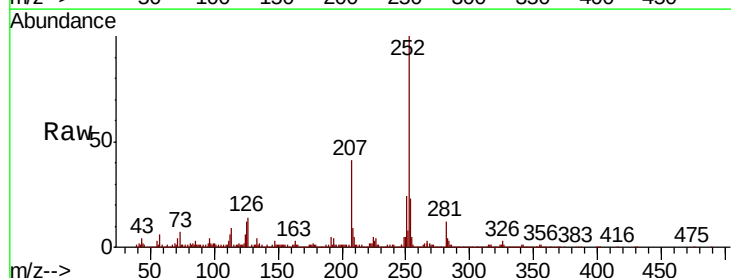
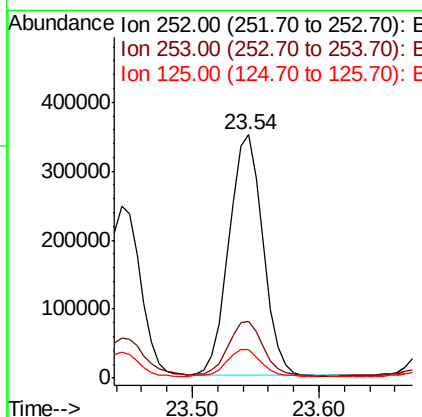
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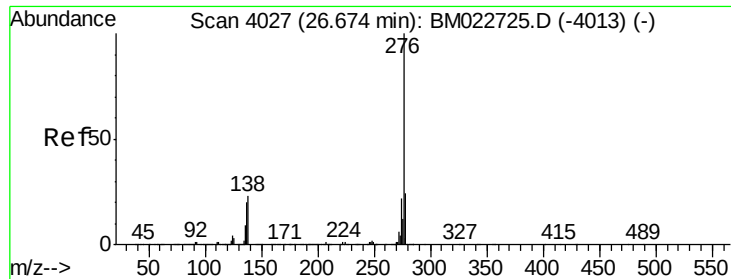
mohammad
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#90
Benzo(a)pyrene
Concen: 10.852 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022777.D
Acq: 25 Sep 2019 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.6	9.3	13.9





#92
 Benzo(a,h,i)perylene
 Concen: 7.852 ng
 RT: 26.66 min Scan# 4024
 Delta R.T. -0.02 min
 Lab File: BM022777.D
 Acq: 25 Sep 2019 18:30

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion:	276	Resp:	465140
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.1	28.7
138	22.1	18.5	27.7

Manual Integrations
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