

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022775.D
 Acq On : 25 Sep 2019 17:16
 Operator : JU
 Sample : K4997-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-08-091919

Manual Integrations
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mohammad
 9/26/2019 3:54:53 PM

Quant Time: Sep 26 06:31:38 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	217837	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	822083	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	472493	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	937577	20.00	ng	0.00
76) Chrysene-d12	21.37	240	934188	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1080092	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1148582	83.62	ng	0.00
7) Phenol-d6	6.99	99	1552611	88.01	ng	0.00
23) Nitrobenzene-d5	8.97	82	883382	59.65	ng	-0.01
42) 2,4,6-Tribromophenol	15.94	330	553231	93.79	ng	0.00
45) 2-Fluorobiphenyl	13.07	172	2126540	61.98	ng	-0.01
79) Terphenyl-d14	19.82	244	2986829	61.91	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	12.49	142	67206	2.504	ng	98
49) Acenaphthylene	14.17	152	727755	16.861	ng	99
50) Dimethylphthalate	13.90	163	274289	8.033	ng	100
58) Fluorene	15.50	166	125126	3.735	ng	# 96
71) Phenanthrene	17.23	178	2091987	39.544	ng	100
72) Anthracene	17.32	178	589228	11.492	ng	99
75) Fluoranthene	19.25	202	2976239	49.855	ng	98
78) Pyrene	19.61	202	3941000	64.373	ng	99
81) Benzo(a)anthracene	21.36	228	1679474m	27.739	ng	
83) Chrysene	21.40	228	2040777	34.767	ng	97
86) Indeno(1,2,3-cd)pyrene	25.95	276	1051352	15.007	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1947956m	29.787	ng	
89) Benzo(k)fluoranthene	23.00	252	576664m	8.887	ng	
90) Benzo(a)pyrene	23.54	252	1589754	26.382	ng	98
91) Dibenzo(a,h)anthracene	25.96	278	283003	4.490	ng	# 88
92) Benzo(g,h,i)perylene	26.66	276	1163985	19.442	ng	99

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

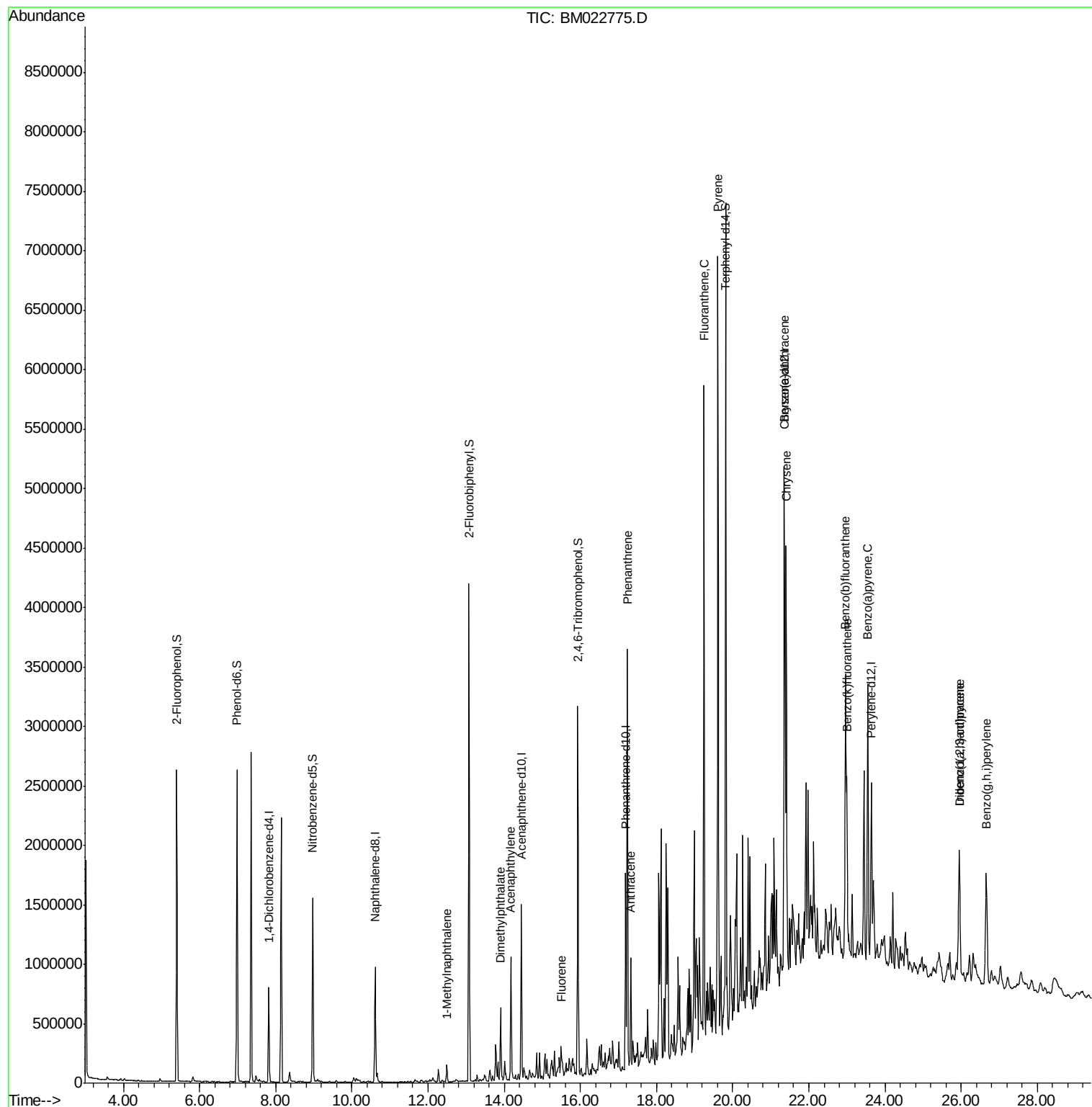
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022775.D
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ALS Vial : 8 Sample Multiplier: 1

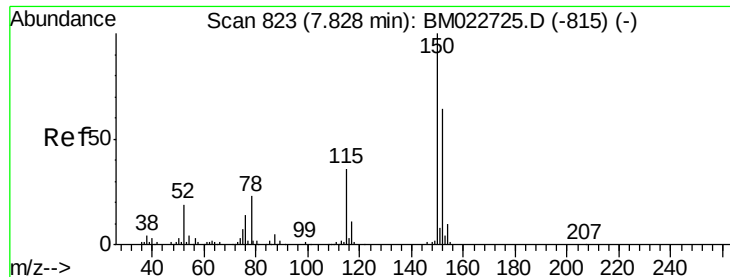
Instrument :
BNA_M
ClientSampleId :
WC-08-091919

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Quant Time: Sep 26 06:31:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

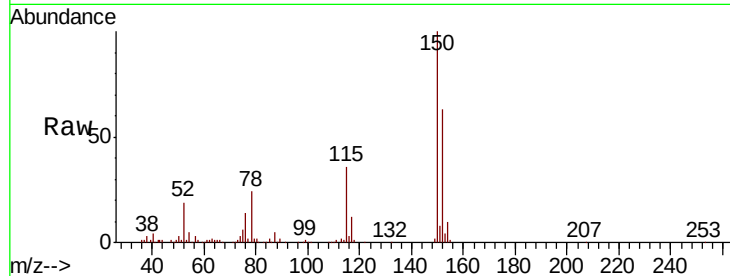
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 821
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.5	186.7
115	57.4	45.0	67.4

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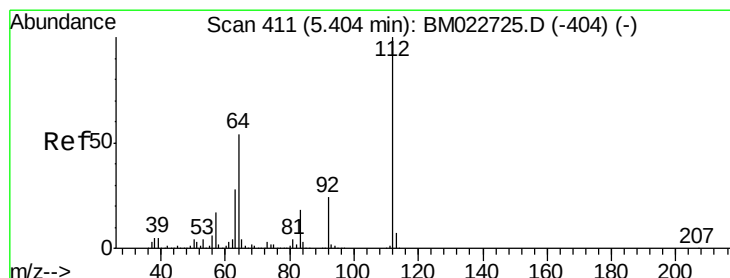
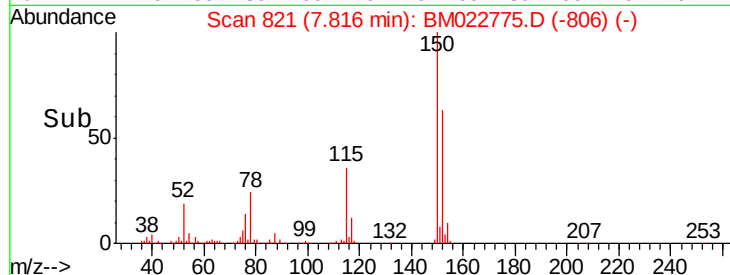
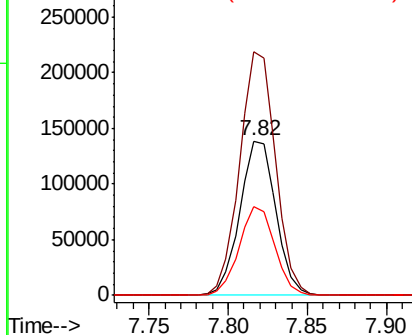


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

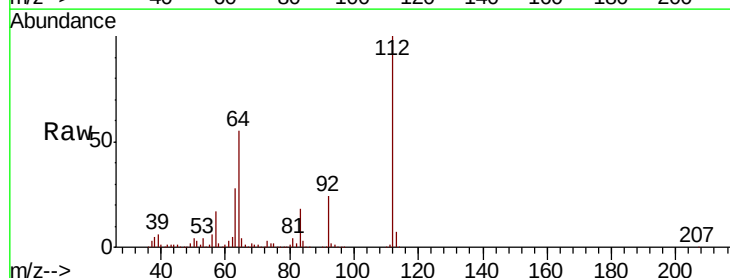
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.623 ng
RT: 5.40 min Scan# 410
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.4	65.2
63	28.1	22.1	33.1

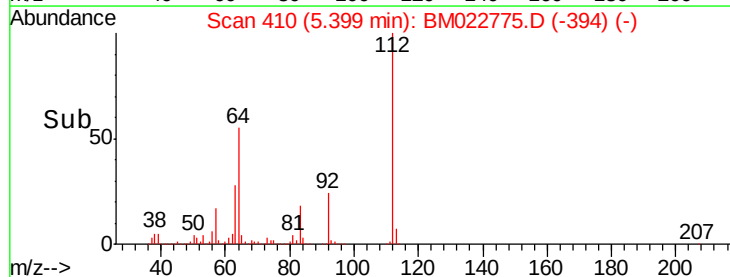
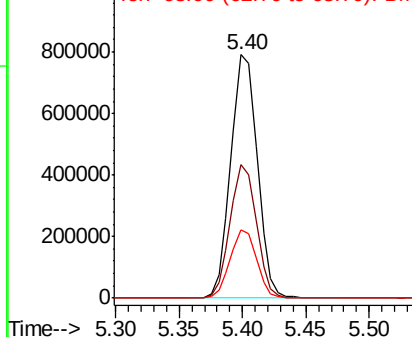


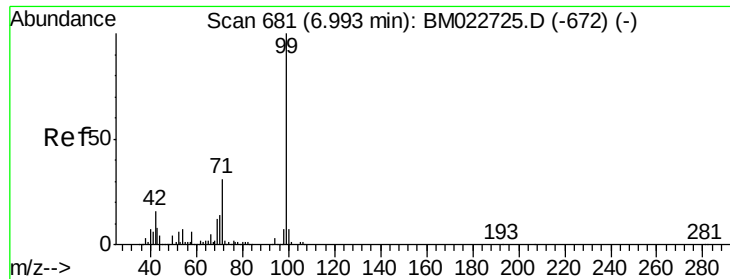
Abundance

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: 88.009 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

ClientSampled :

WC-08-091919

Tot Ion: 99 Resp: 1552611

Ion Ratio Lower Upper

99 100

42 16.0 13.0 19.4

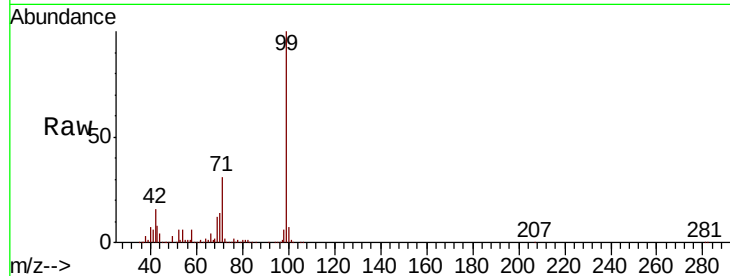
71 31.2 24.7 37.1

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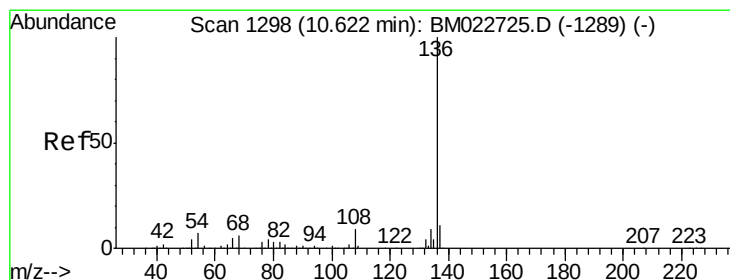
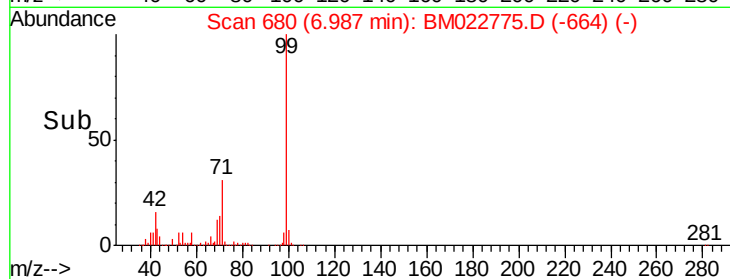
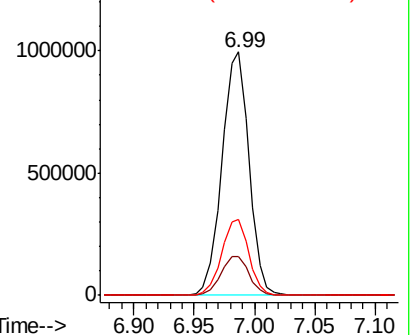
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Abundance Ion 99.00 (98.70 to 99.70): BM022775.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022775.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022775.D (-672) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Tgt Ion: 136 Resp: 822083

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.4 6.0 9.0

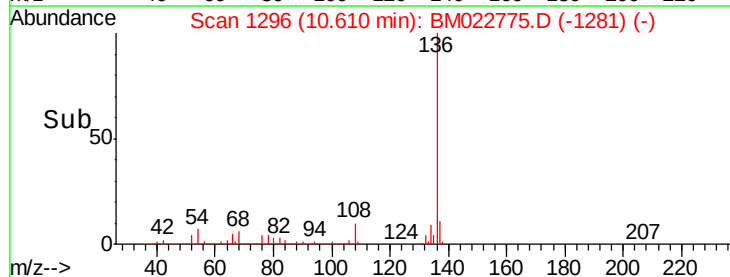
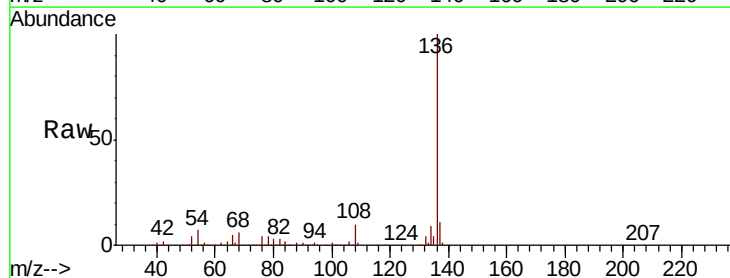
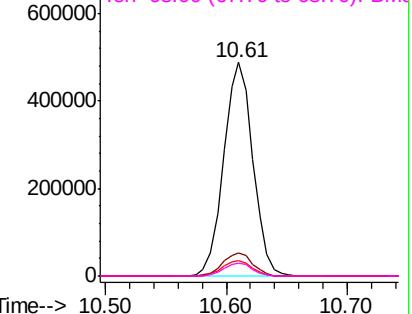
68 5.8 4.9 7.3

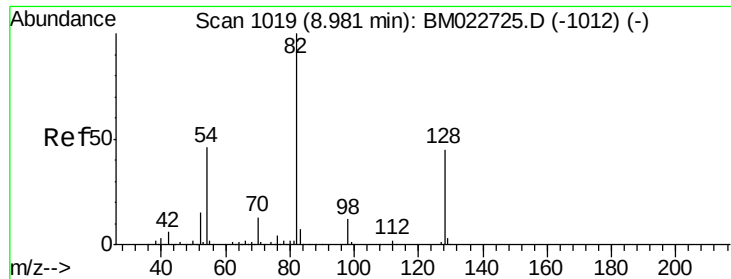
Abundance Ion 136.00 (135.70 to 136.70): BM022775.D (-1281) (-)

Ion 137.00 (136.70 to 137.70): BM022775.D (-1281) (-)

Ion 54.00 (53.70 to 54.70): BM022775.D (-1281) (-)

Ion 68.00 (67.70 to 68.70): BM022775.D (-1281) (-)





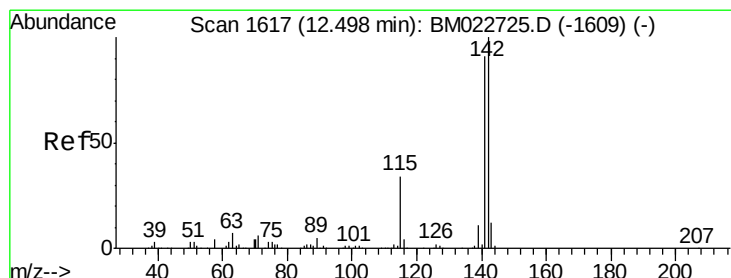
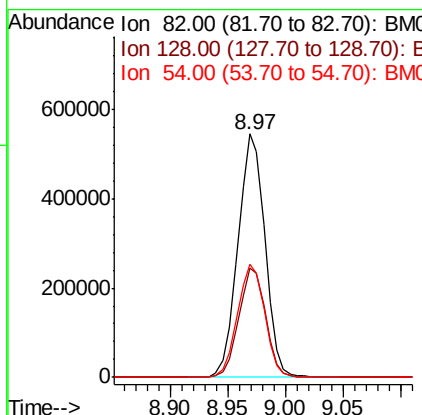
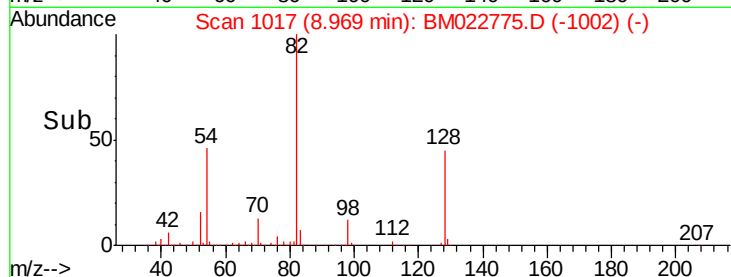
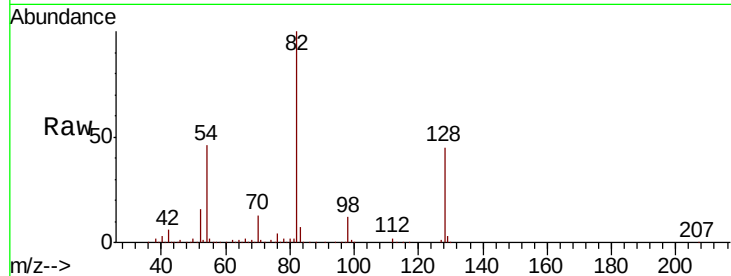
#23
 Nitrobenzene-d5
 Concen: 59.649 ng
 RT: 8.97 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BM022775.D
 Acq: 25 Sep 2019 17:16

Instrument :
 BNA_M
 ClientSampleId :
 WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
82	100	883382		
128	45.1	36.0	54.0	
54	46.3	37.1	55.7	

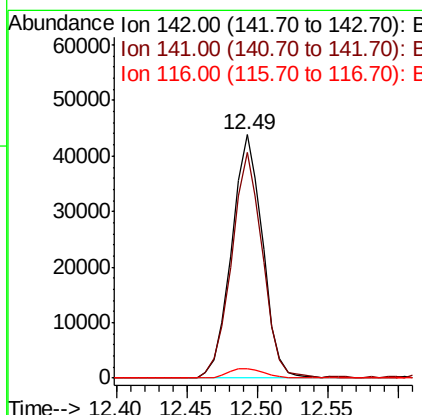
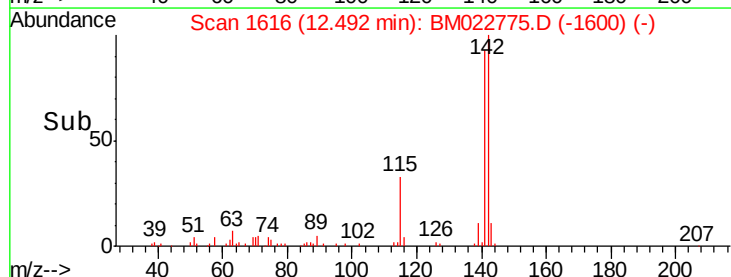
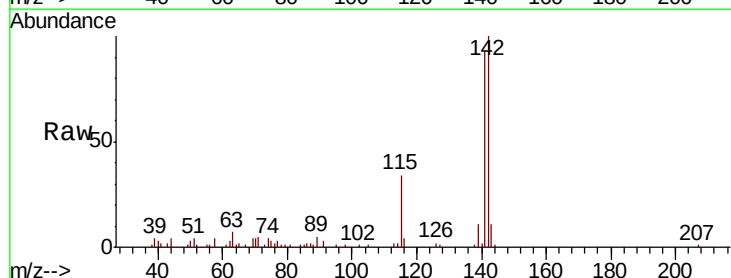
Manual Integrations
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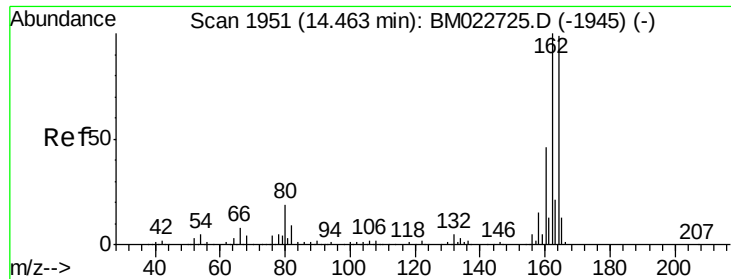
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#38
 1-Methylnaphthalene
 Concen: 2.504 ng
 RT: 12.49 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BM022775.D
 Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	67206		
141	92.9	73.0	109.4	
116	4.1	2.9	4.3	





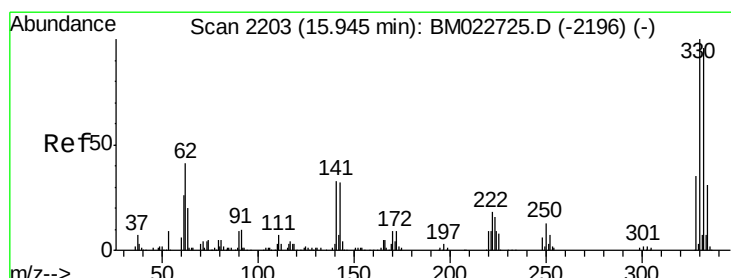
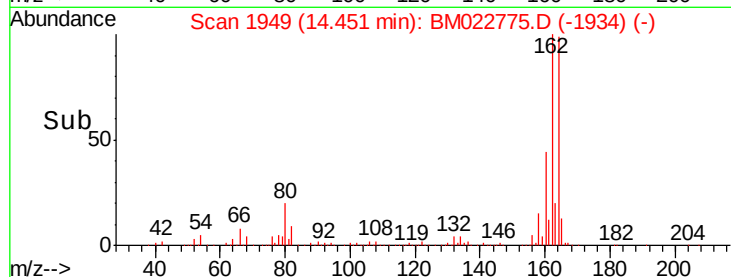
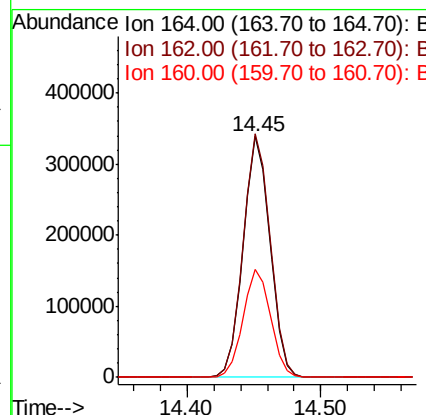
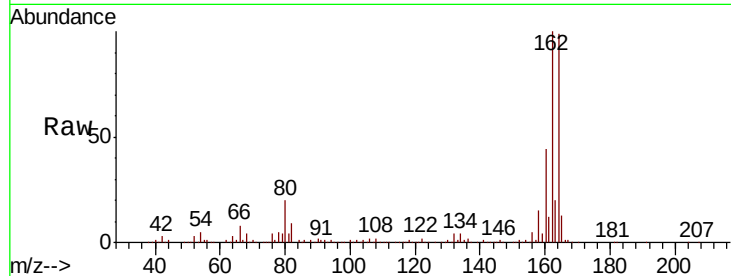
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	81.1	121.7	
160	44.9	36.9	55.3	

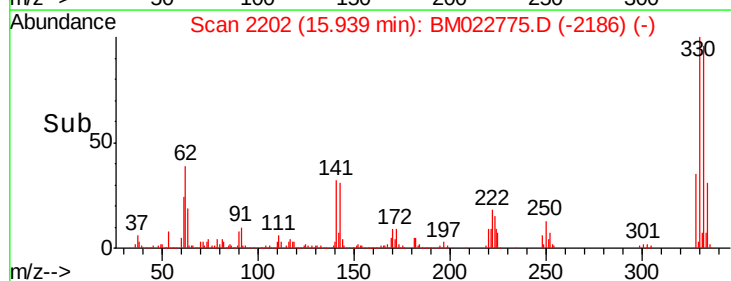
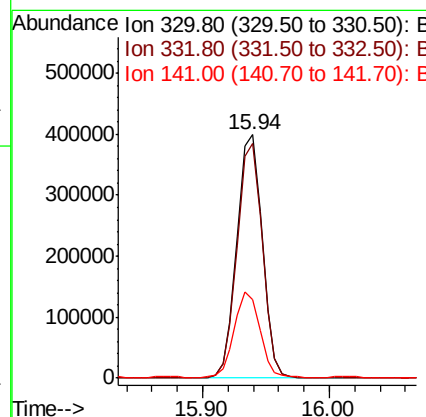
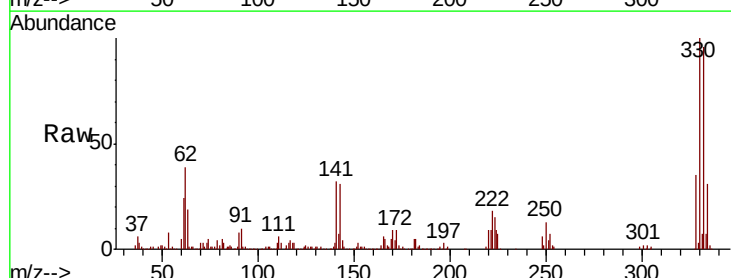
Manual Integrations
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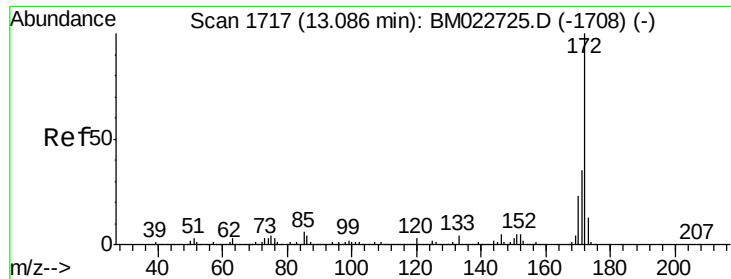
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#42
2,4,6-Tribromophenol
Concen: 93.795 ng
RT: 15.94 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.9	115.3	
141	35.4	28.6	42.8	





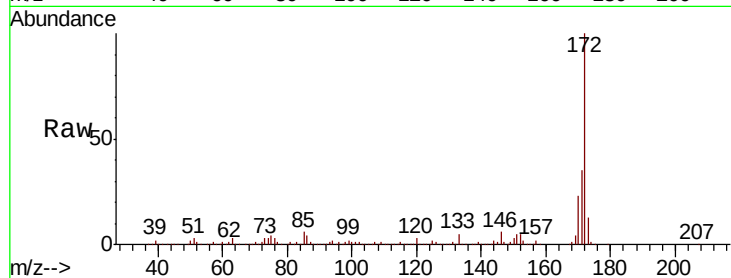
#45
2-Fluorobiphenyl
Concen: 61.976 ng
RT: 13.07 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.8
170	23.1	18.7	28.1

Manual Integrations
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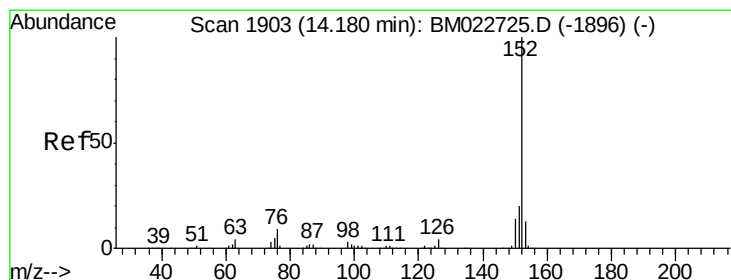
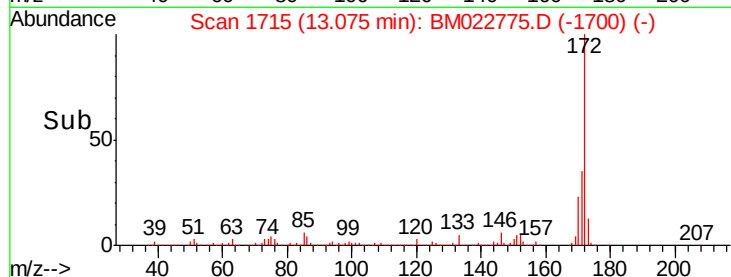
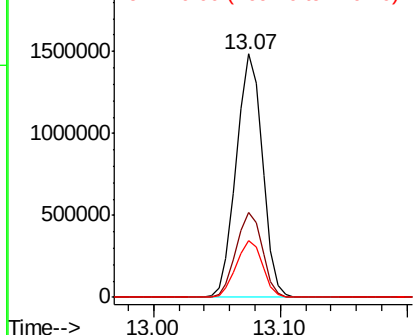


Abundance

Ion 172.00 (171.70 to 172.70): E

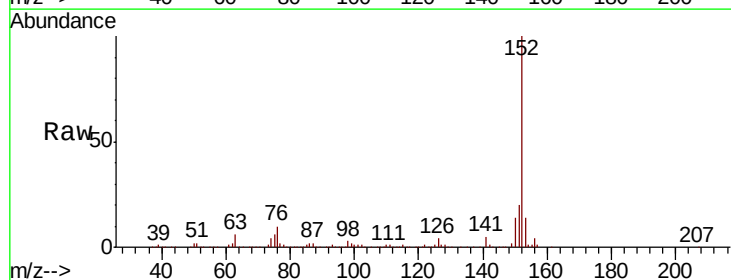
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 16.861 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.7	10.5	15.7

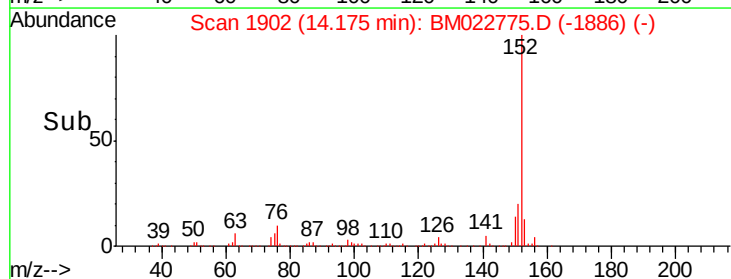
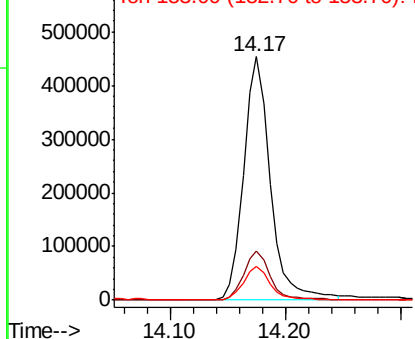


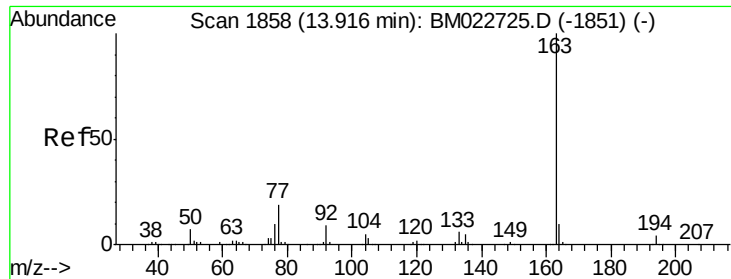
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





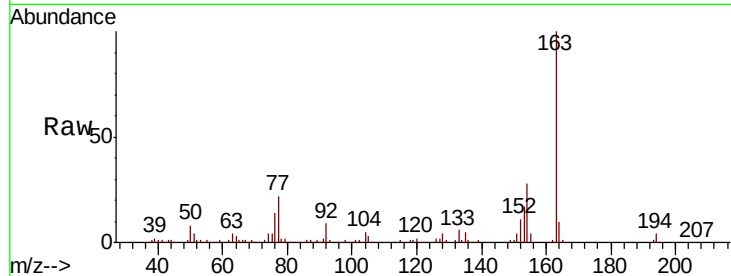
#50
Dimethylphthalate
Concen: 8.033 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
163	100	274289		
194	4.1		3.3	4.9
164	10.2		8.2	12.2

Manual Integrations
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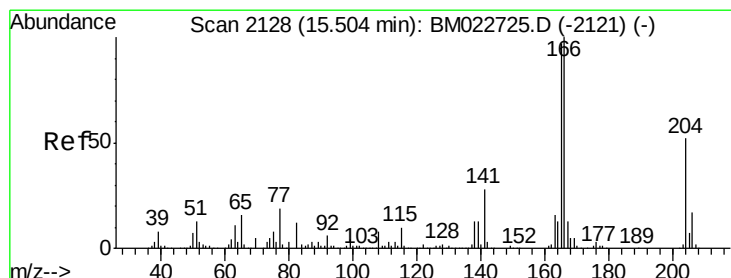
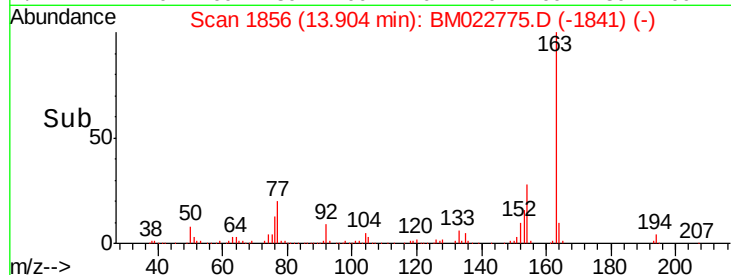
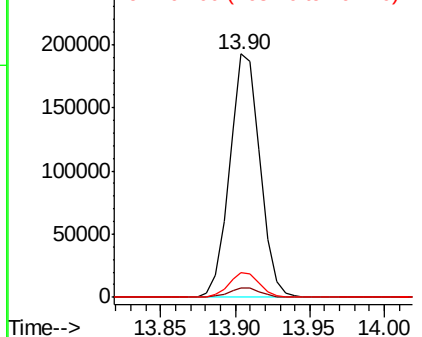


Abundance

Ion 163.00 (162.70 to 163.70): E

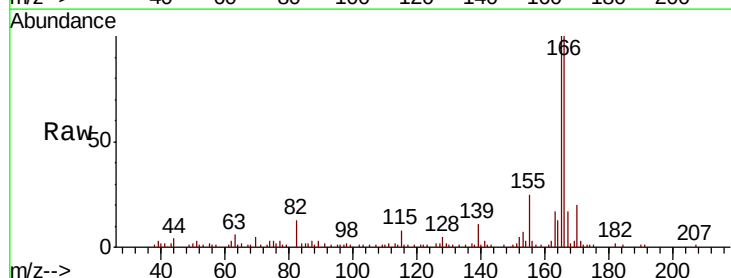
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#58
Fluorene
Concen: 3.735 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	125126		
165	100.3		77.6	116.4
167	17.4		10.8	16.2#

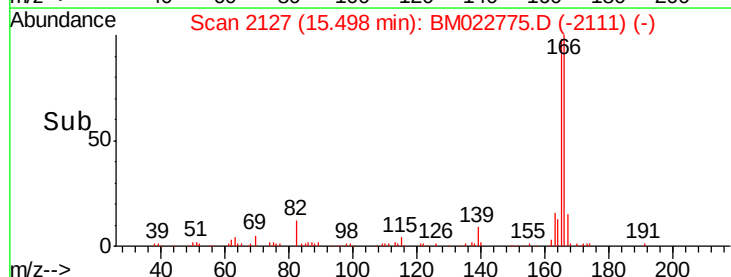
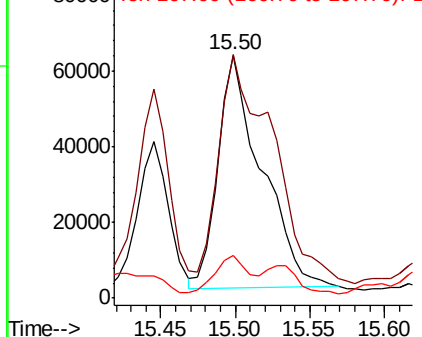


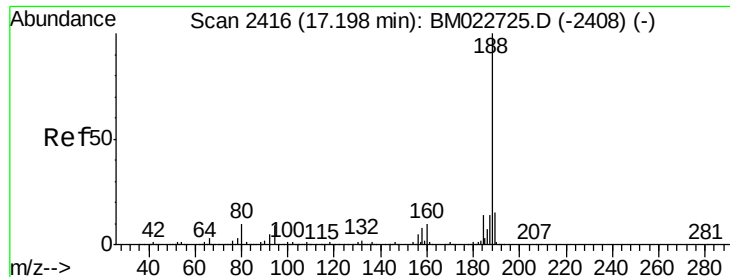
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





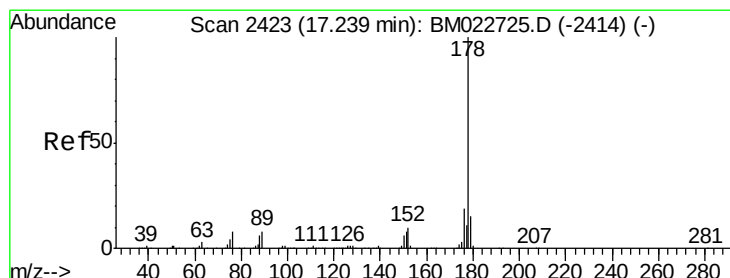
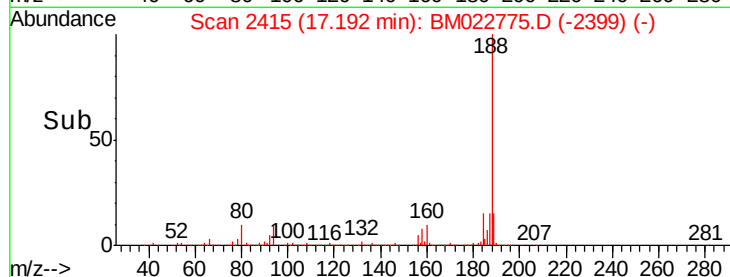
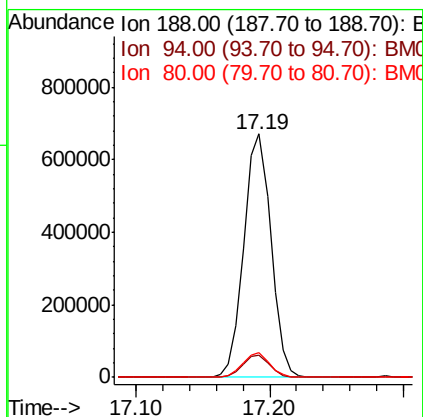
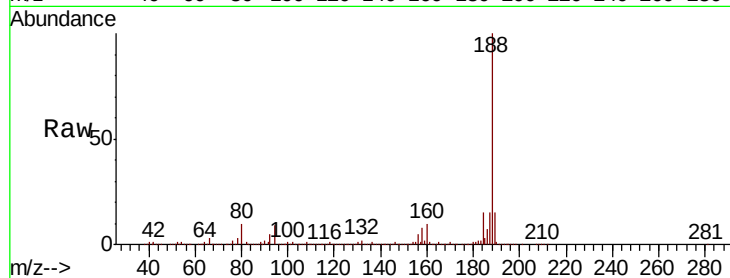
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

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

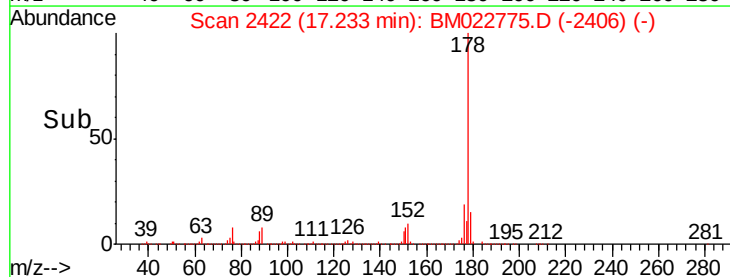
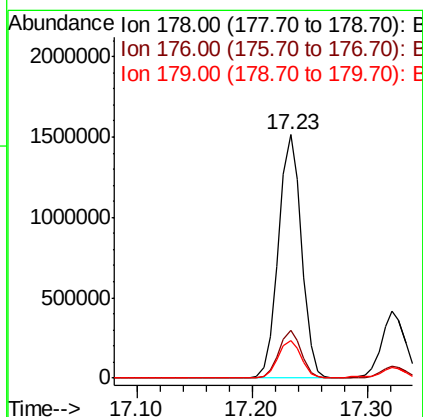
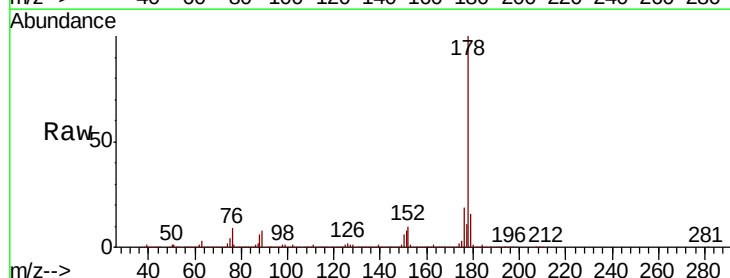
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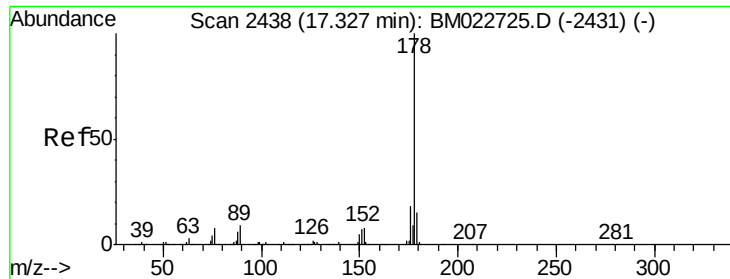
mohammad
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#71
Phenanthrene
Concen: 39.544 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.3	18.5





#72

Anthracene

Concen: 11.492 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

ClientSampleId :

WC-08-091919

Tot Ion:178 Resp: 589228

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

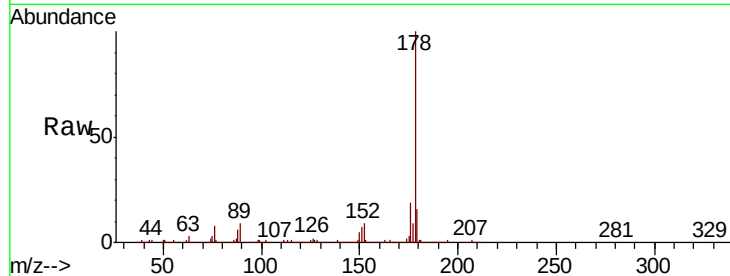
179 15.9 12.2 18.4

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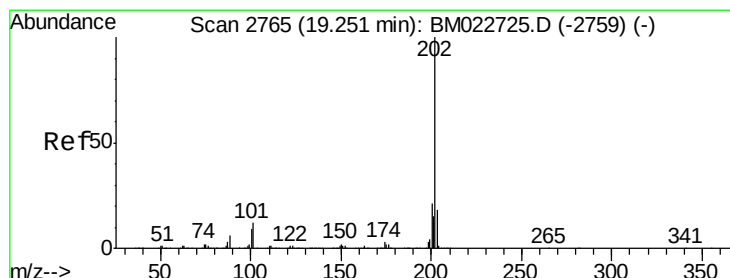
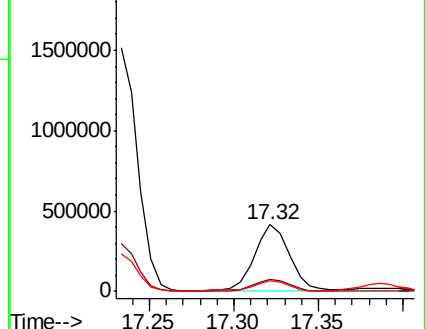
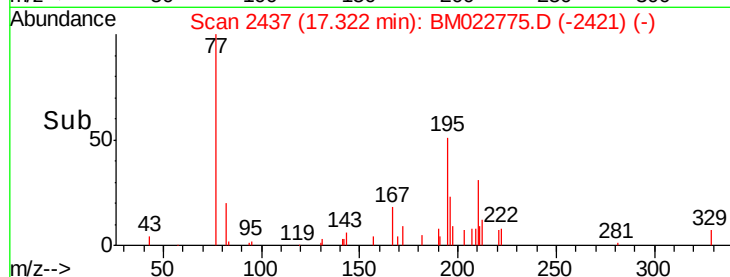
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 49.855 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

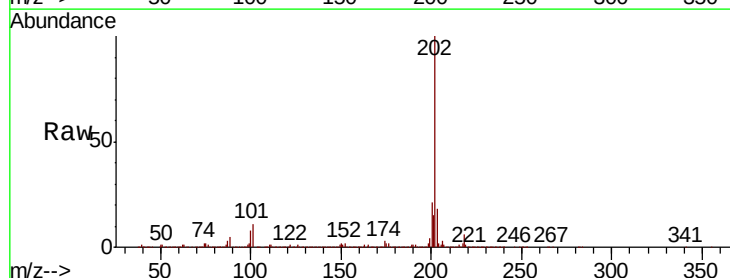
Tgt Ion:202 Resp: 2976239

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.1

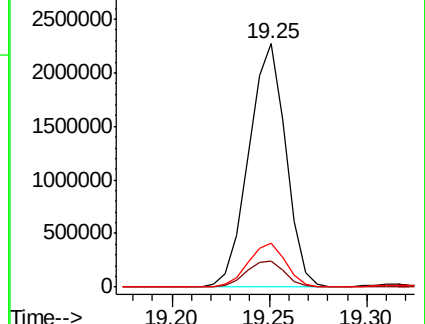
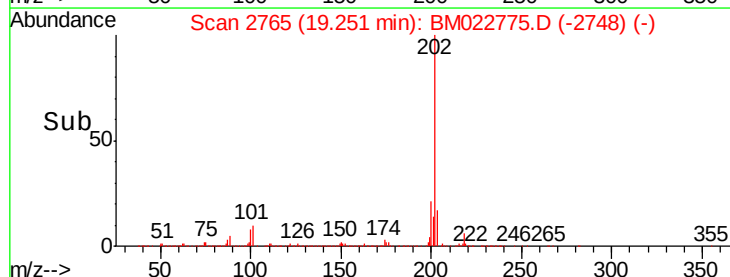
203 18.2 0.0 37.7

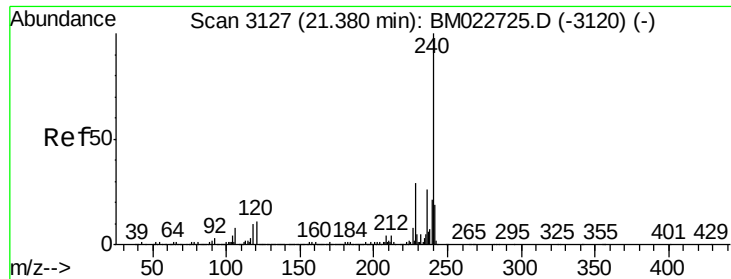


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

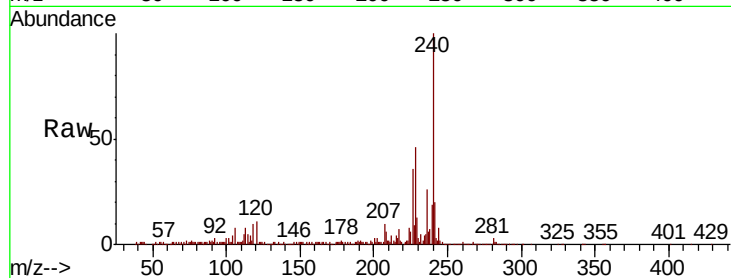
ClientSampled :

WC-08-091919

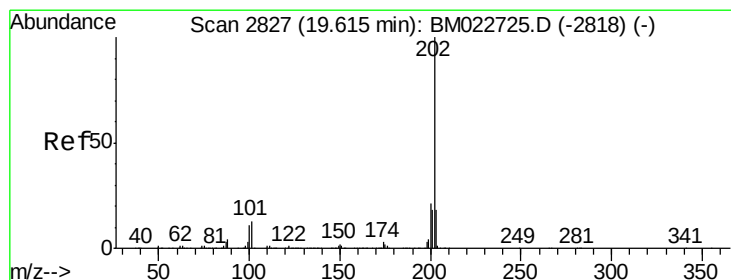
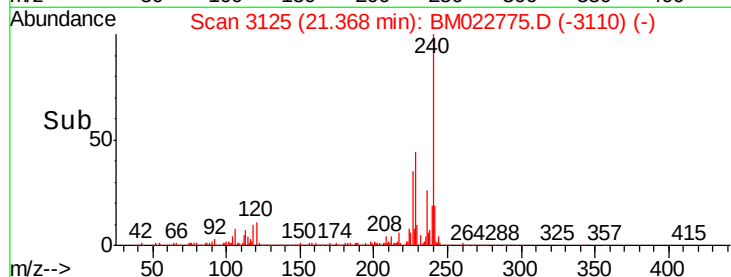
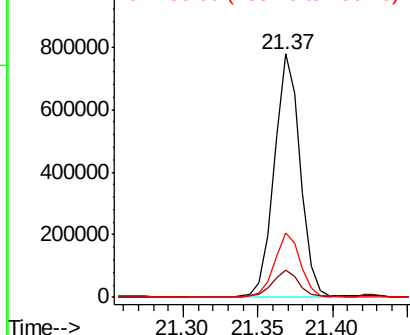
Tot Ion:	240	Resp:	934188
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.8	13.2
236	26.2	20.8	31.2

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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

Pyrene

Concen: 64.373 ng

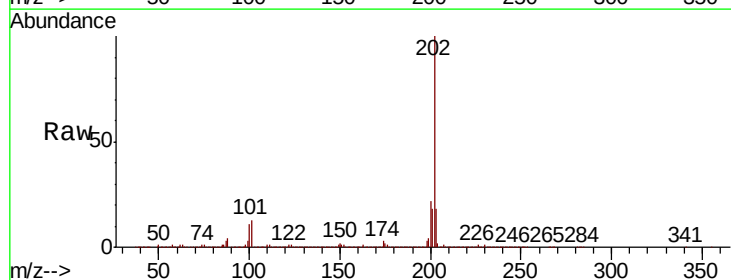
RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

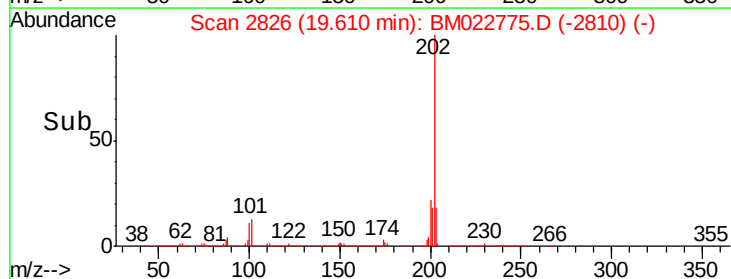
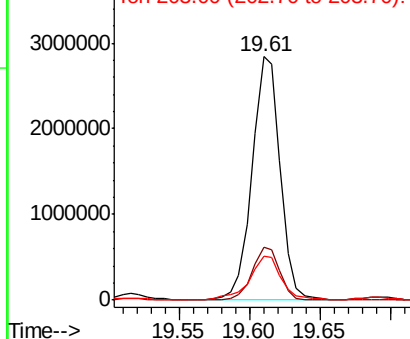
Lab File: BM022775.D

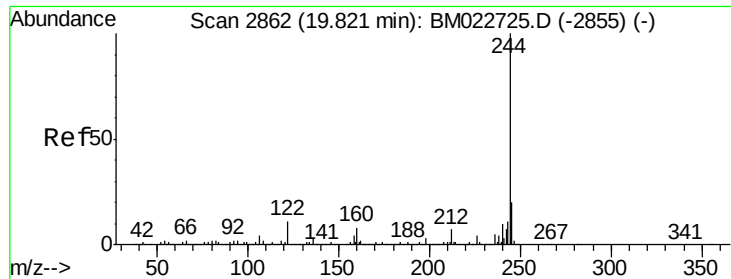
Acq: 25 Sep 2019 17:16

Tgt Ion:	202	Resp:	3941000
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.7	25.1
203	18.1	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: 61.911 ng

RT: 19.82 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

ClientSampleId :

WC-08-091919

Tot Ion:244 Resp: 2986829

Ion Ratio Lower Upper

244 100

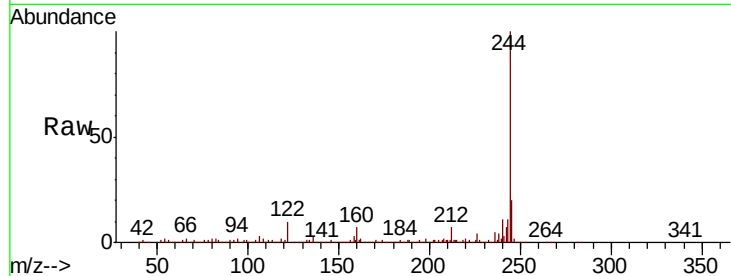
212 7.3 5.9 8.9

122 10.4 9.0 13.4

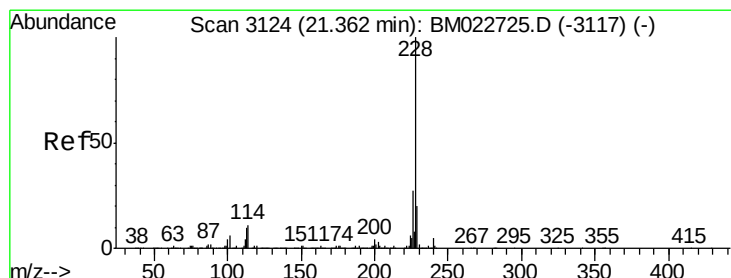
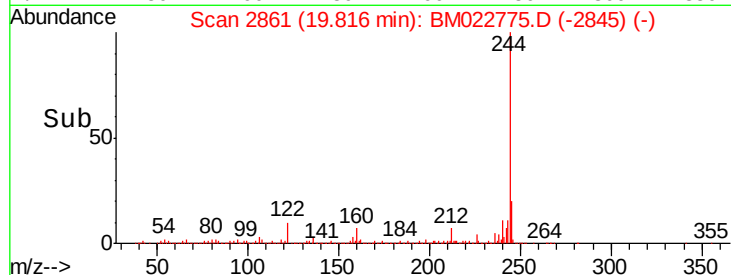
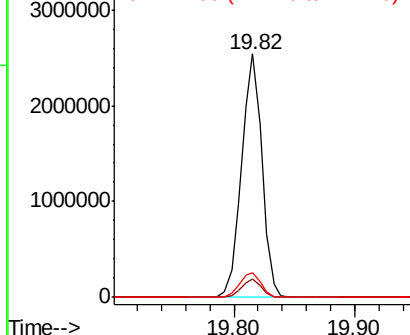
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 27.739 ng m

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

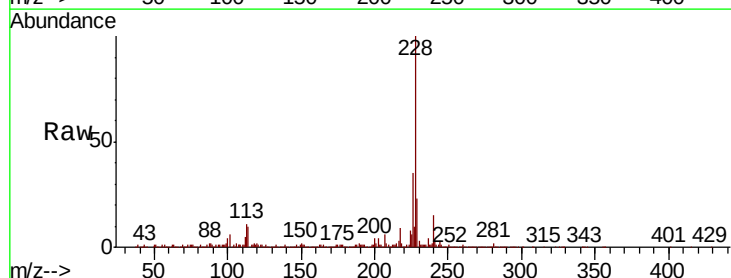
Tgt Ion:228 Resp: 1679474

Ion Ratio Lower Upper

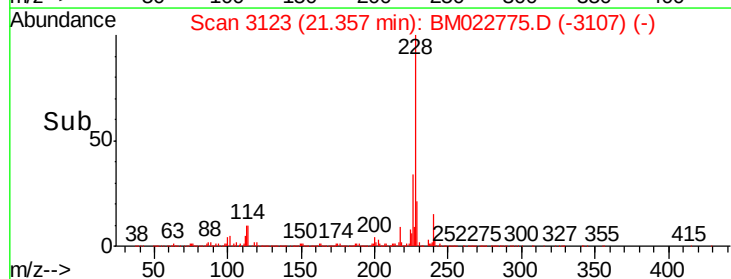
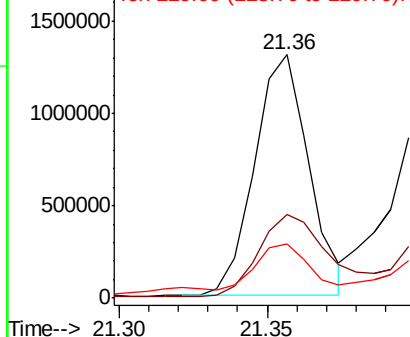
228 100

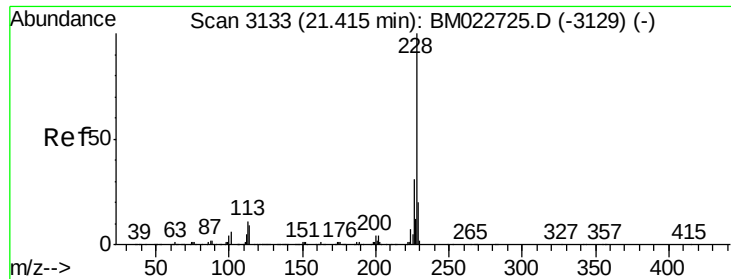
226 34.5 22.0 33.0#

229 22.5 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





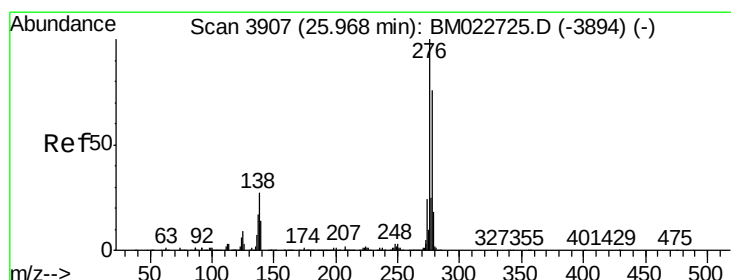
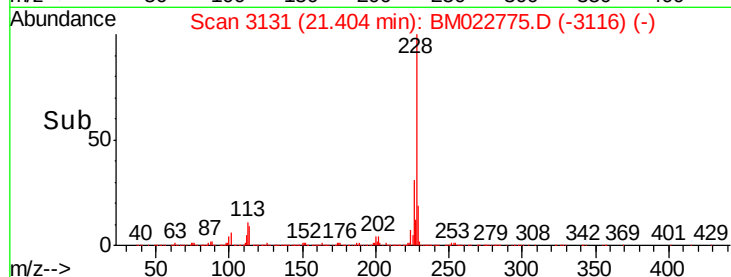
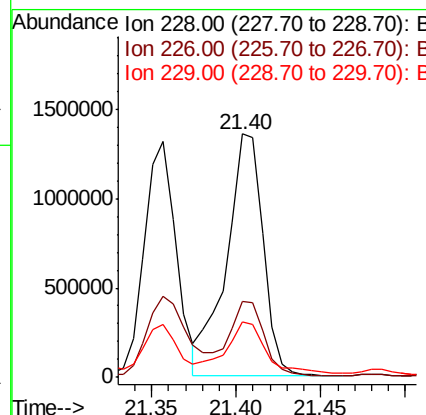
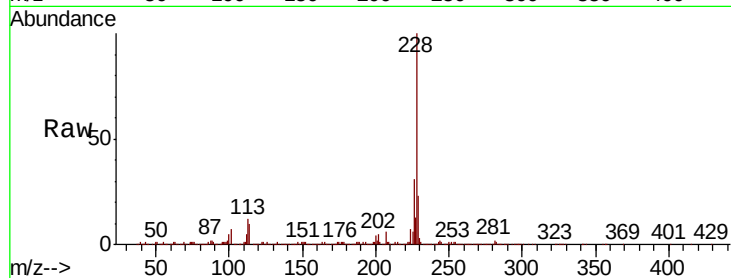
#83
Chrysene
Concen: 34.767 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	22.5	15.9	23.9

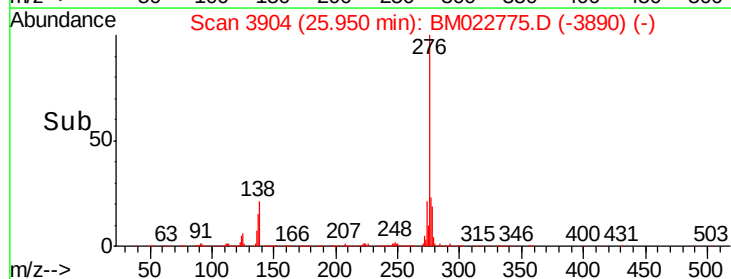
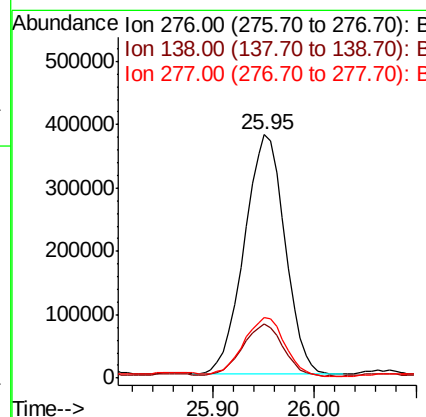
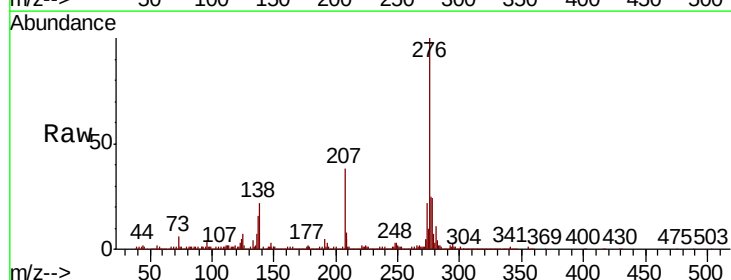
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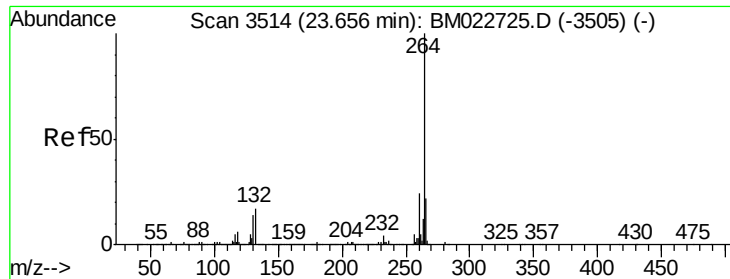
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.007 ng
RT: 25.95 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	0.0	0.0#
277	25.1	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: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

ClientSampleId :

WC-08-091919

Tot Ion:264 Resp: 1080092

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

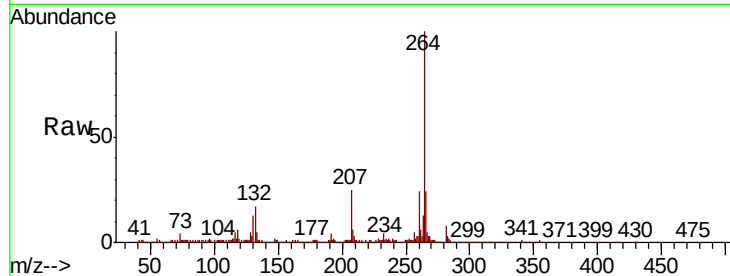
265 23.9 17.9 26.9

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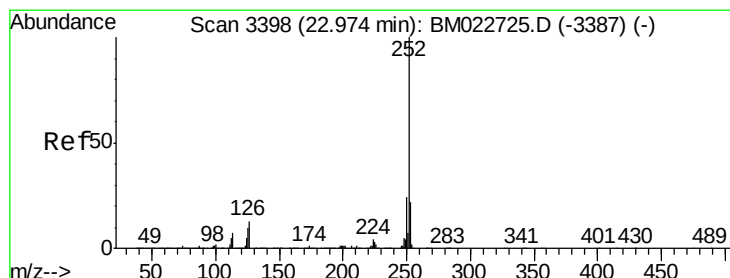
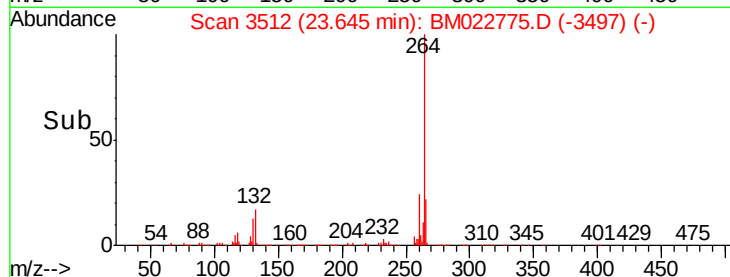
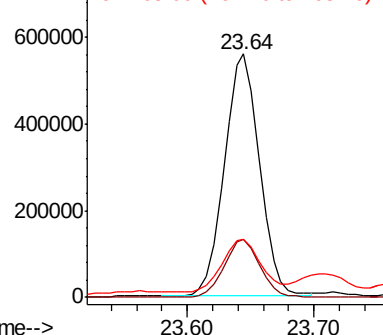
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 29.787 ng m

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

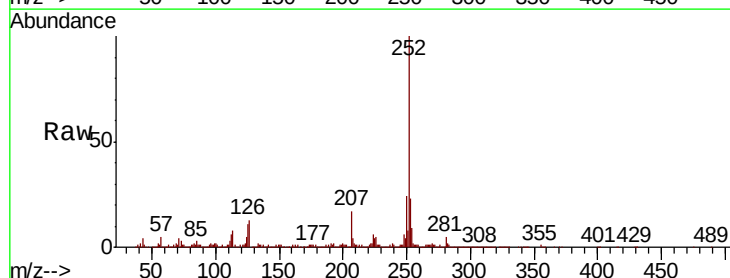
Tgt Ion:252 Resp: 1947956

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

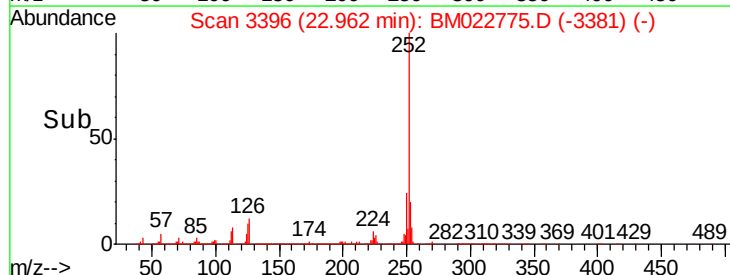
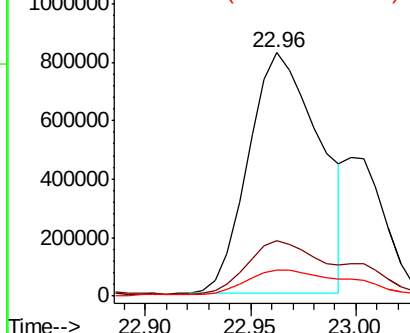
125 10.8 8.2 12.4

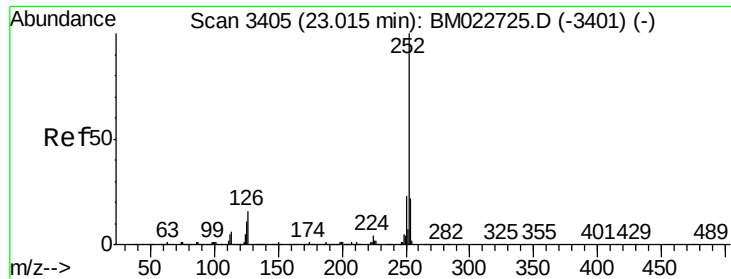


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.887 ng m

RT: 23.00 min Scan# 3402

Delta R.T. -0.02 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Instrument :

BNA_M

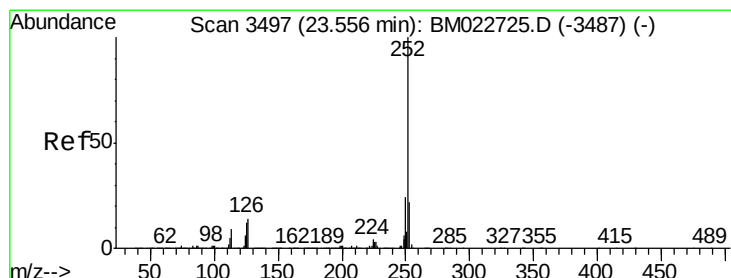
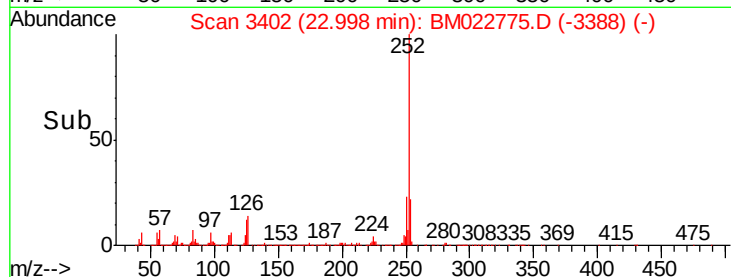
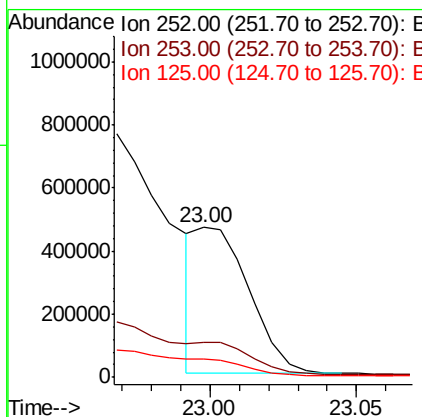
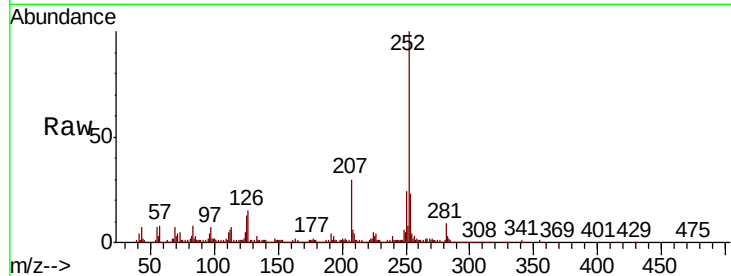
ClientSampled :

WC-08-091919

Tot Ion:	252	Resp:	576664
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.7	26.5
125	12.6	8.5	12.7

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#90

Benzo(a)pyrene

Concen: 26.382 ng

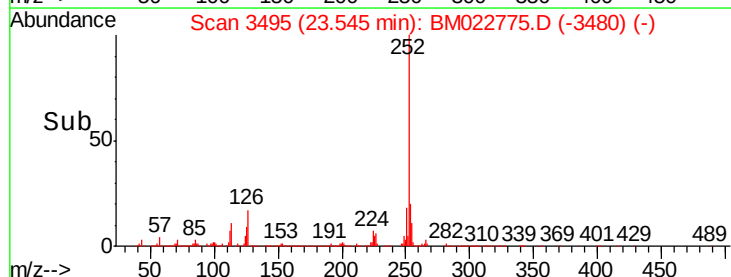
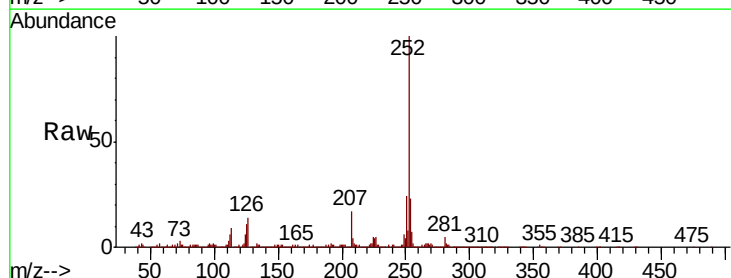
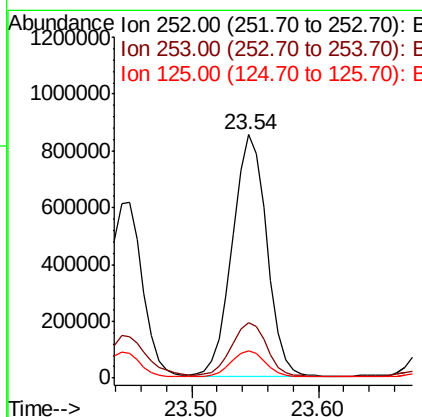
RT: 23.54 min Scan# 3495

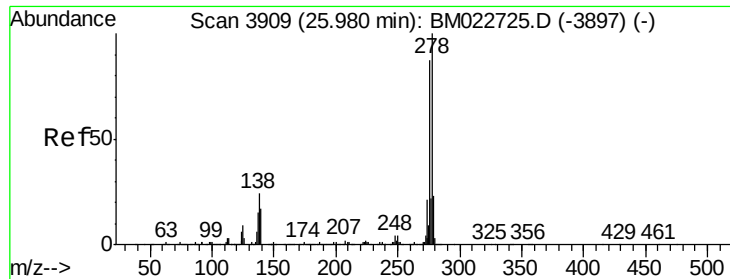
Delta R.T. -0.01 min

Lab File: BM022775.D

Acq: 25 Sep 2019 17:16

Tgt Ion:	252	Resp:	1589754
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	11.4	9.3	13.9





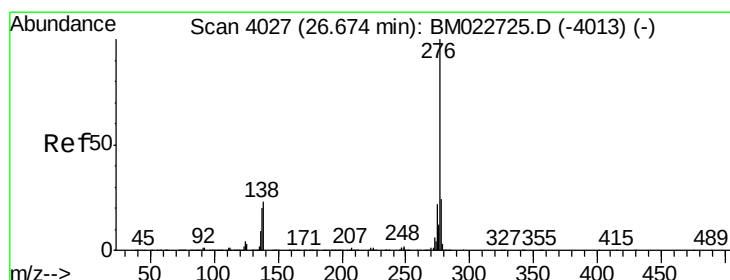
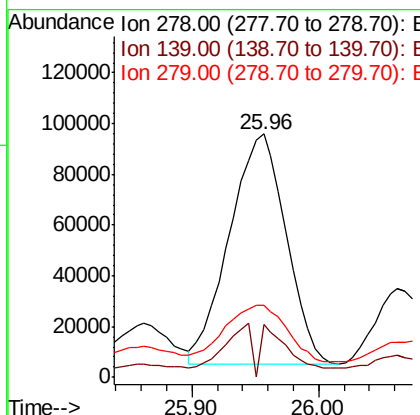
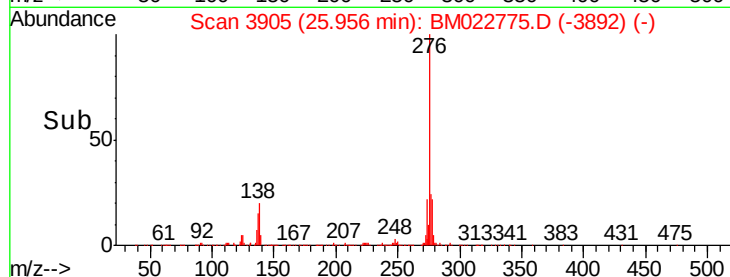
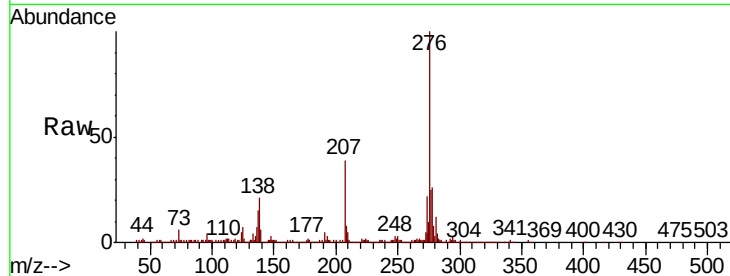
#91
Dibenzo(a,h)anthracene
Concen: 4.490 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.02 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.7	13.7	20.5#
279	29.5	18.6	28.0#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 19.442 ng
RT: 26.66 min Scan# 4024
Delta R.T. -0.02 min
Lab File: BM022775.D
Acq: 25 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.3	18.5	27.7

