

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022776.D
 Acq On : 25 Sep 2019 17:53
 Operator : JU
 Sample : K4997-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Manual Integrations
 APPROVED

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 9/26/2019 3:54:56 PM

Quant Time: Sep 26 06:34:07 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	214451	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	793901	20.00	ng	-0.01
39) Acenaphthene-d10	14.46	164	446559	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	885083	20.00	ng	0.00
76) Chrysene-d12	21.37	240	918245	20.00	ng	0.00
87) Perylene-d12	23.64	264	1072317	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1304220	96.45	ng	0.00
7) Phenol-d6	6.99	99	1736638	100.00	ng	0.00
23) Nitrobenzene-d5	8.97	82	998543	69.82	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	632930	113.54	ng	0.00
45) 2-Fluorobiphenyl	13.07	172	2396357	73.90	ng	-0.01
79) Terphenyl-d14	19.82	244	3379036	71.26	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	380345	9.324	ng	99
50) Dimethylphthalate	13.91	163	337863	10.469	ng	99
58) Fluorene	15.50	166	70071	2.213	ng	# 94
71) Phenanthrene	17.23	178	1233401	24.697	ng	100
72) Anthracene	17.32	178	358382	7.404	ng	99
75) Fluoranthene	19.25	202	1955708	34.703	ng	98
78) Pyrene	19.61	202	2308893	38.369	ng	99
81) Benzo(a)anthracene	21.36	228	1085784	18.245	ng	92
83) Chrysene	21.41	228	1182951	20.503	ng	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	671820	9.756	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1275360m	19.643	ng	
89) Benzo(k)fluoranthene	23.00	252	410794m	6.377	ng	
90) Benzo(a)pyrene	23.54	252	1019473	17.041	ng	98
91) Dibenzo(a,h)anthracene	25.96	278	186430	2.979	ng	# 89
92) Benzo(a,h,i)perylene	26.66	276	711075	11.963	ng	99

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

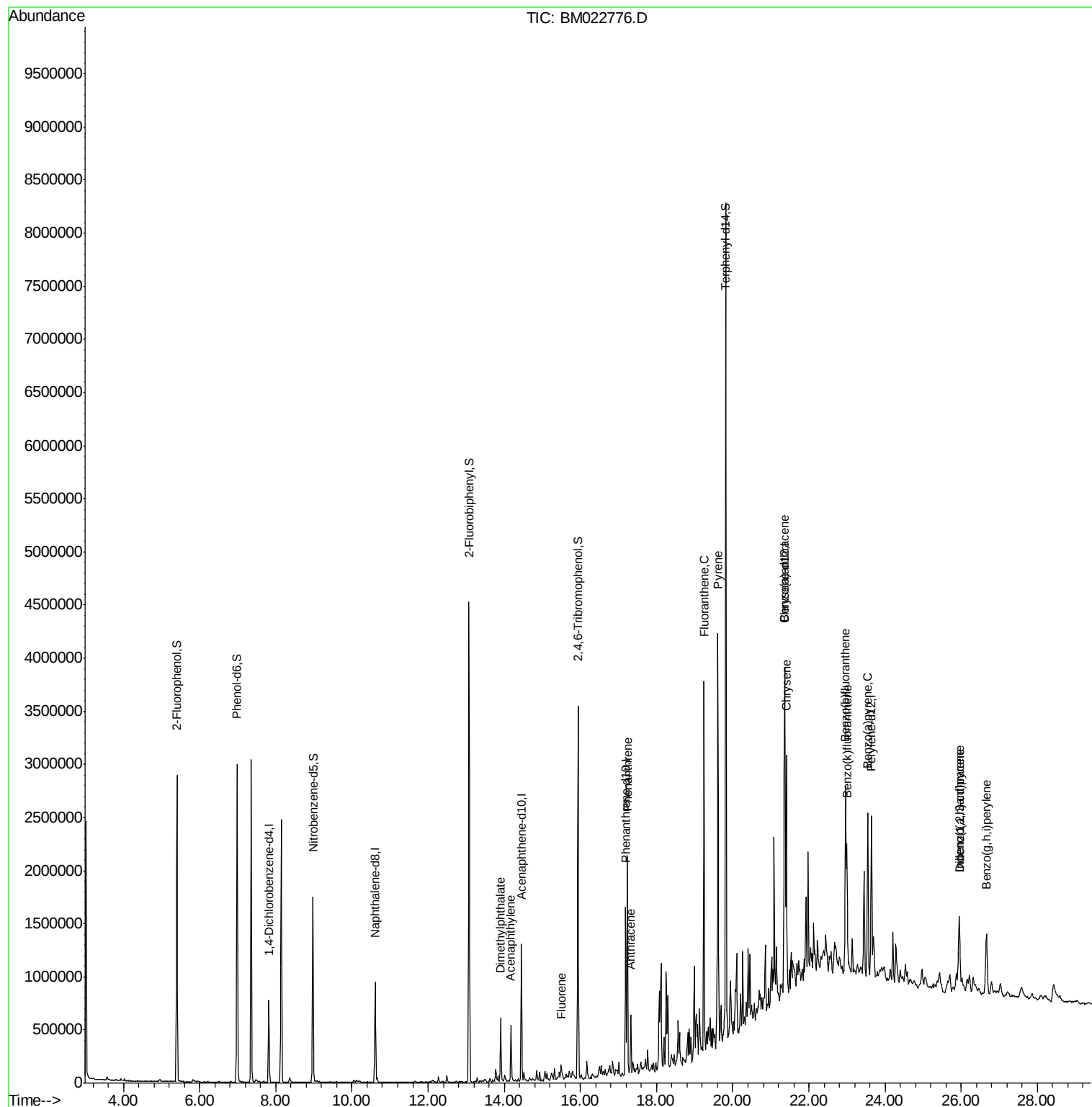
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
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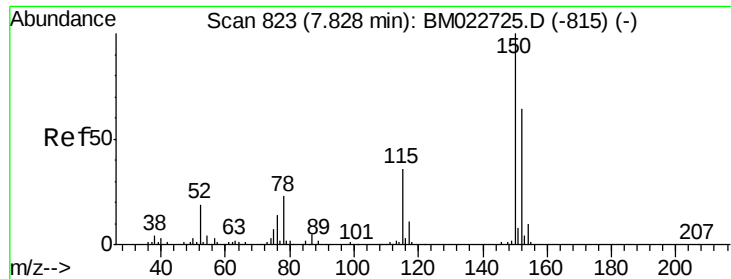
Instrument :
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Quant Time: Sep 26 06:34:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

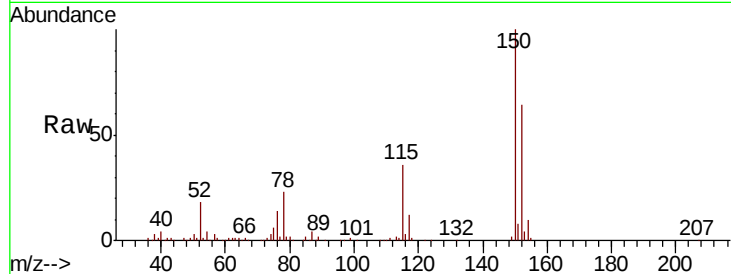
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.5	186.7
115	55.8	45.0	67.4

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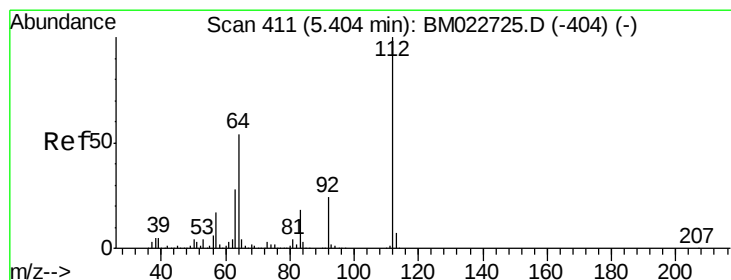
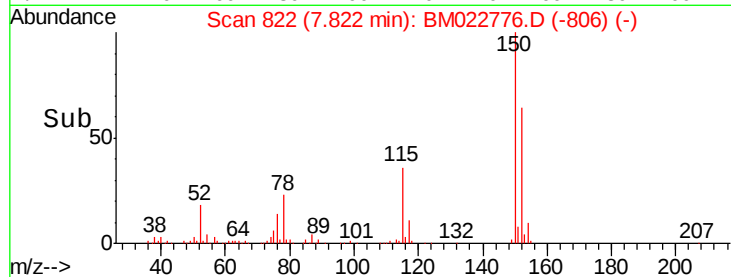
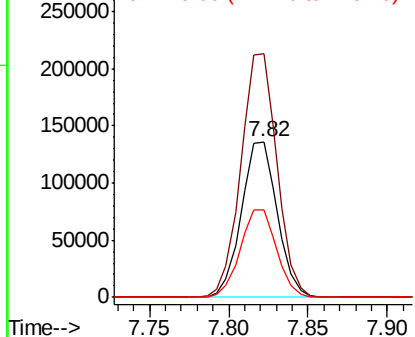


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

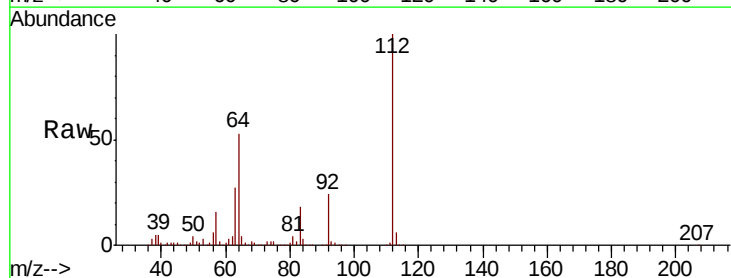
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.453 ng
RT: 5.40 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.4	65.2
63	27.0	22.1	33.1

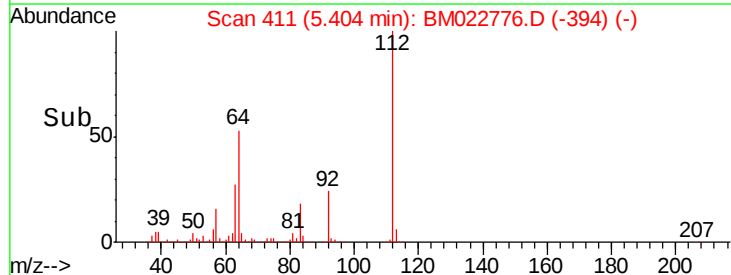
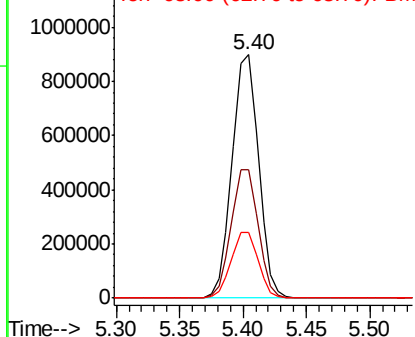


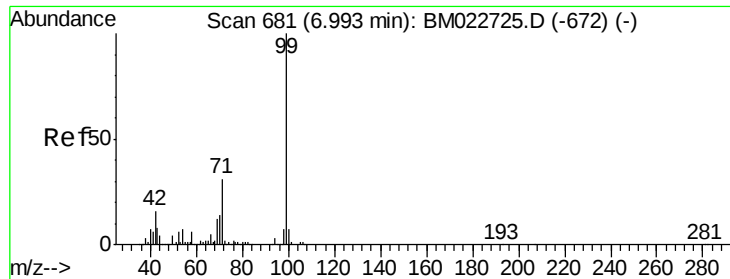
Abundance

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: 99.995 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

ClientSampleId :

WC-09-091919

Tot Ion: 99 Resp: 1736638

Ion Ratio Lower Upper

99 100

42 15.8 13.0 19.4

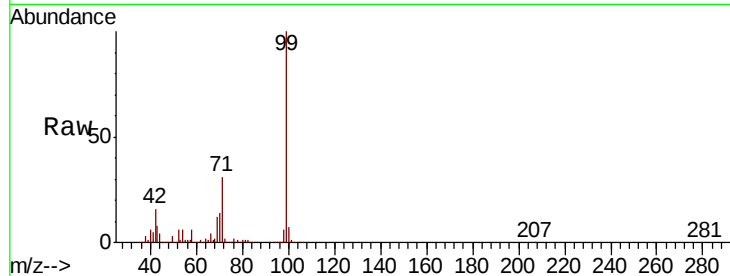
71 31.0 24.7 37.1

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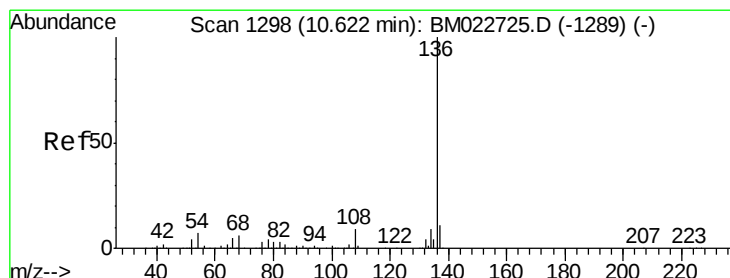
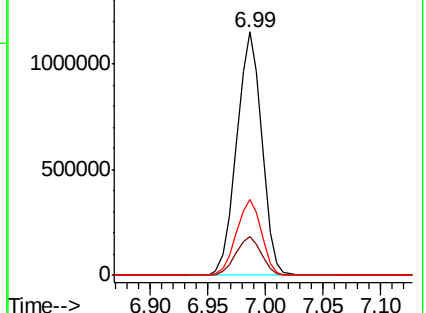
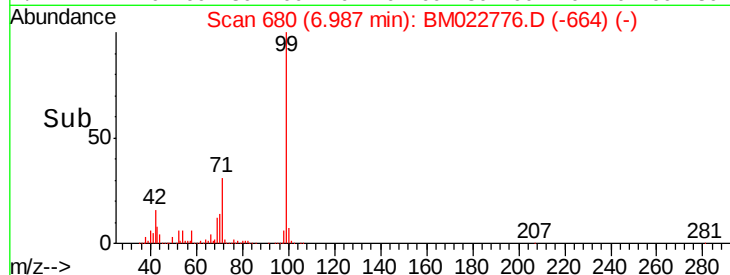
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Abundance Ion 99.00 (98.70 to 99.70): BM022776.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022776.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022776.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Tgt Ion: 136 Resp: 793901

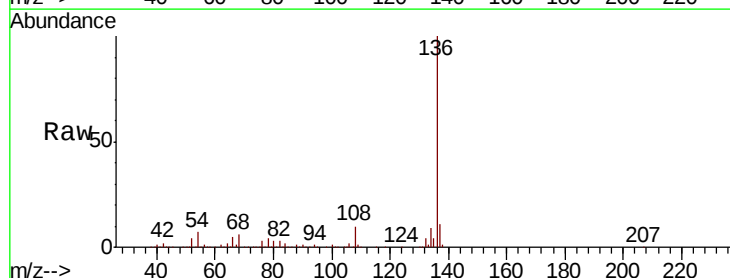
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 7.1 6.0 9.0

68 5.8 4.9 7.3

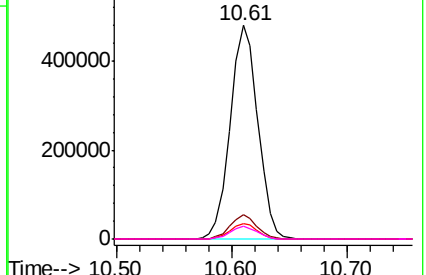
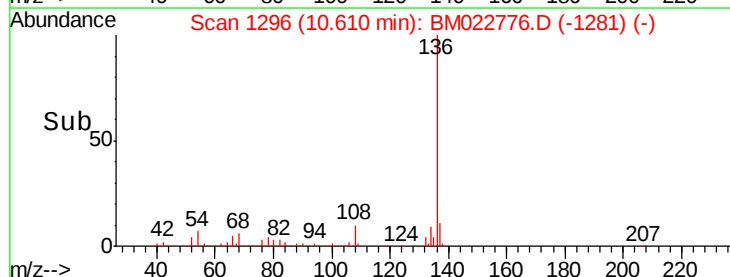


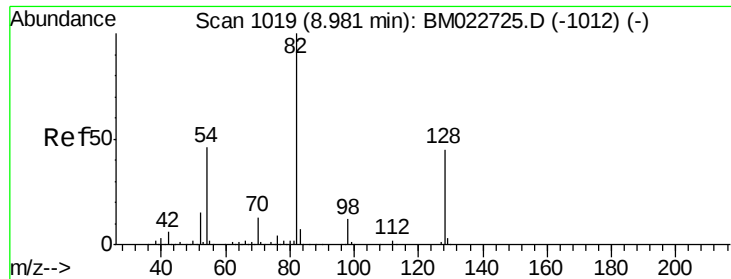
Abundance Ion 136.00 (135.70 to 136.70): BM022776.D (-1281) (-)

Ion 137.00 (136.70 to 137.70): BM022776.D (-1281) (-)

Ion 54.00 (53.70 to 54.70): BM022776.D (-1281) (-)

Ion 68.00 (67.70 to 68.70): BM022776.D (-1281) (-)





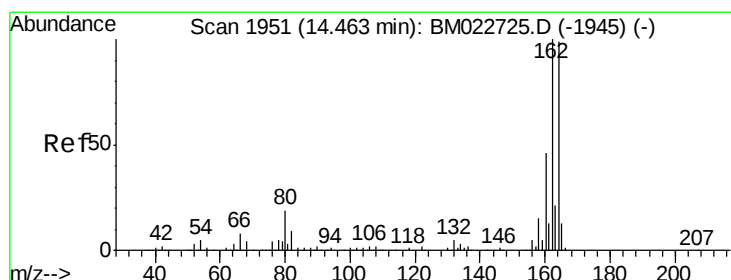
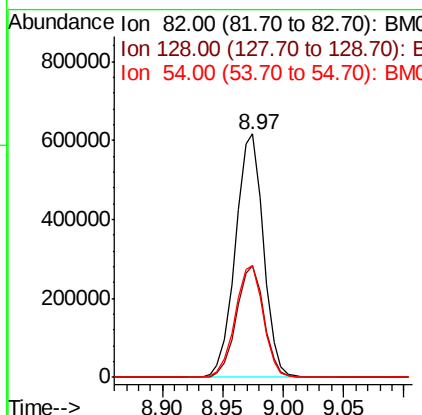
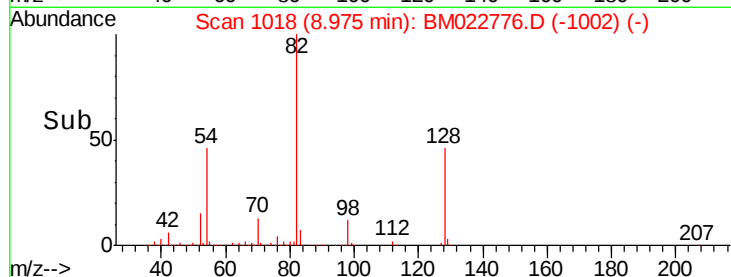
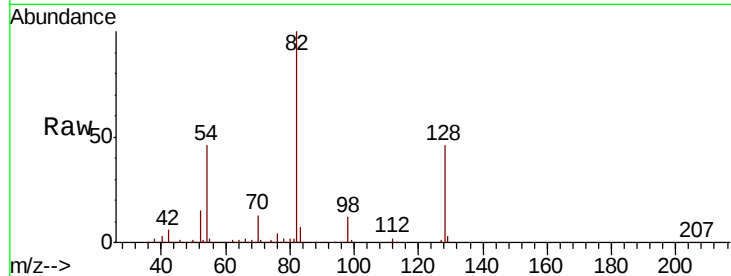
#23
Nitrobenzene-d5
Concen: 69.819 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.0	54.0
54	45.8	37.1	55.7

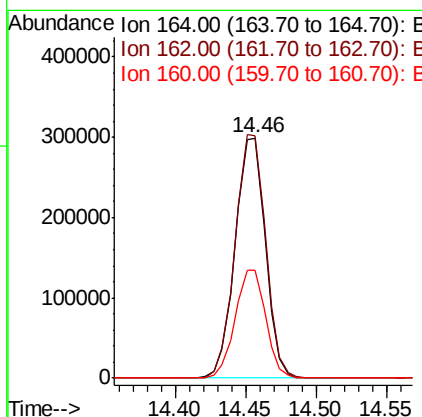
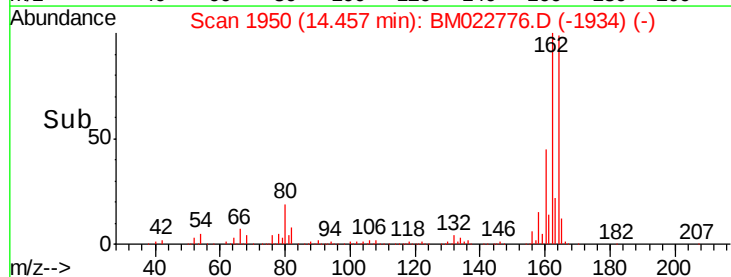
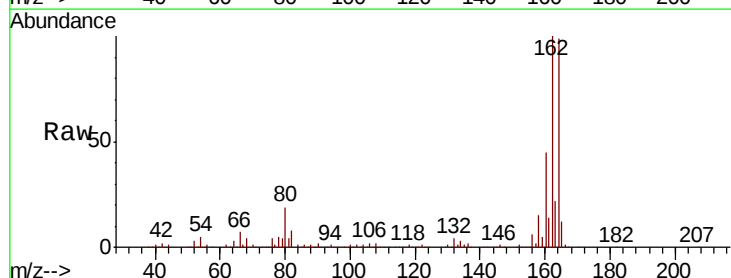
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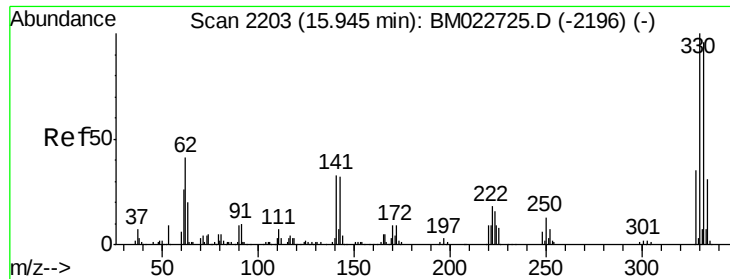
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.1	121.7
160	45.2	36.9	55.3





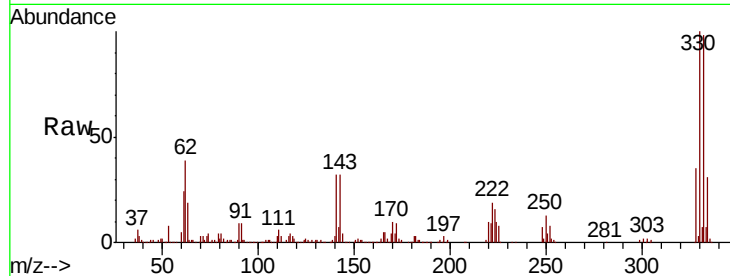
#42
 2,4,6-Tribromophenol
 Concen: 113.539 ng
 RT: 15.94 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion	Ratio	Resp	Lower	Upper
330	100	632930		
332	96.5	76.9	115.3	
141	33.9	28.6	42.8	

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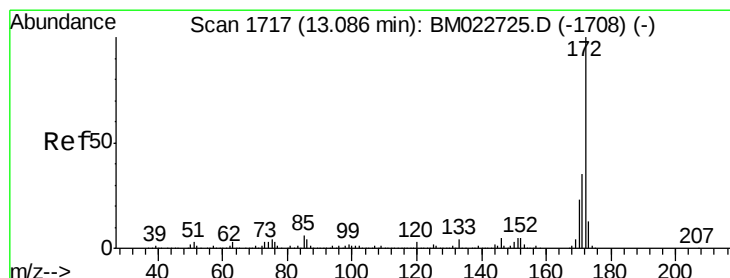
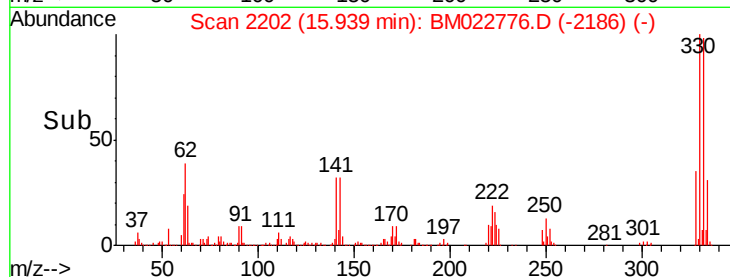
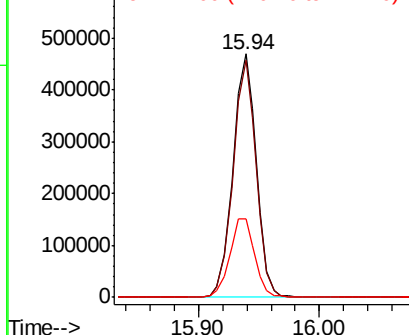


Abundance

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: 73.896 ng
 RT: 13.07 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

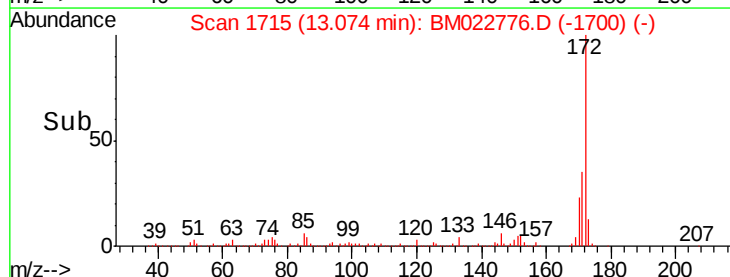
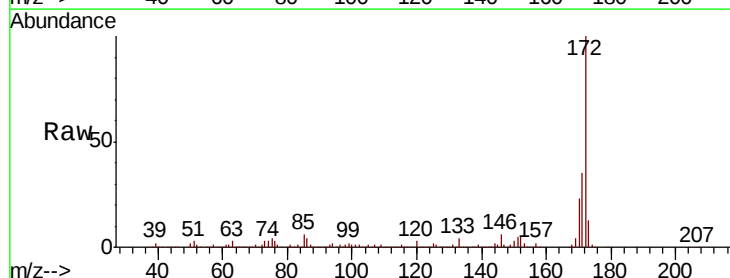
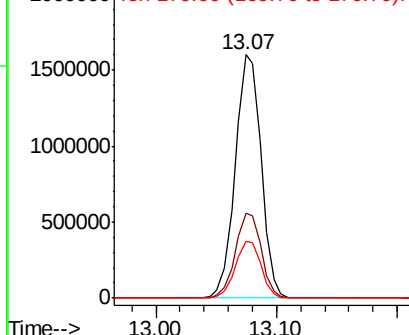
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2396357		
171	35.0	27.8	41.8	
170	23.4	18.7	28.1	

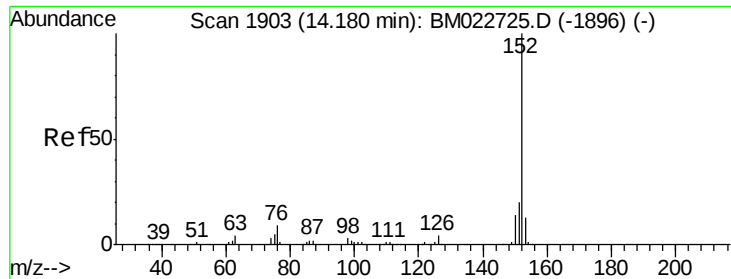
Abundance

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: 9.324 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

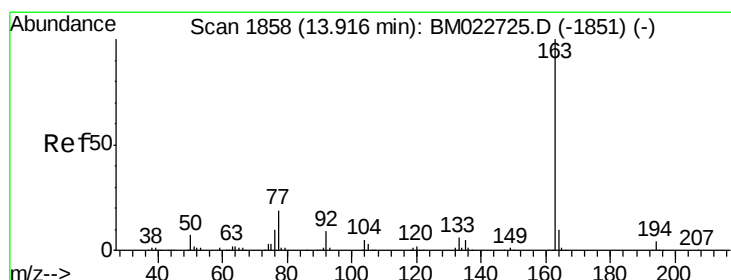
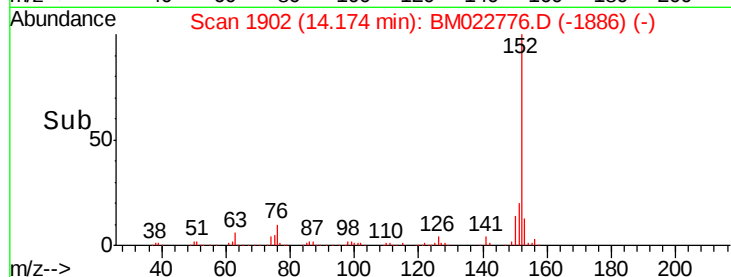
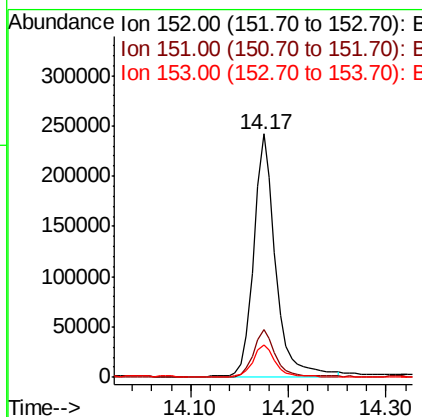
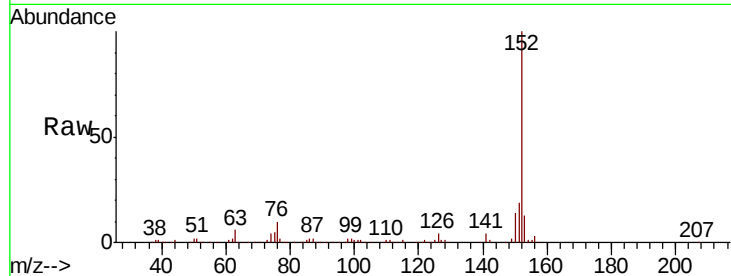
ClientSampleId :

WC-09-091919

Tot Ion:	152	Resp:	380345
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.9	23.9
153	13.2	10.5	15.7

Manual Integrations
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#50

Dimethylphthalate

Concen: 10.469 ng

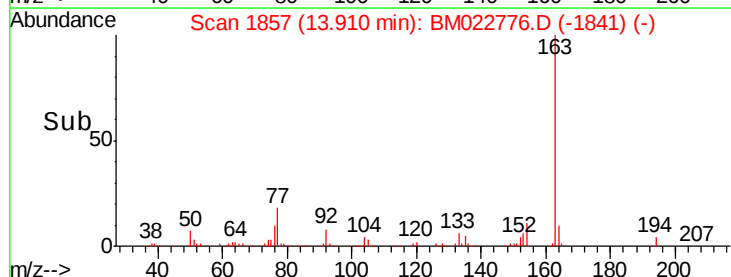
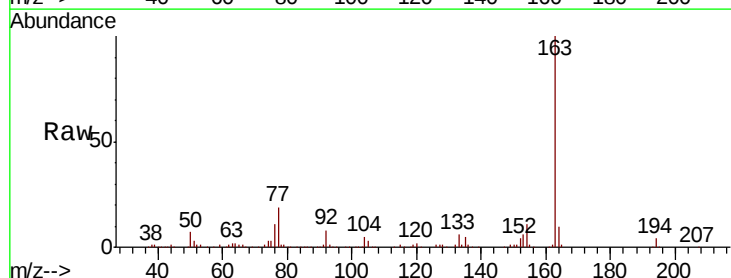
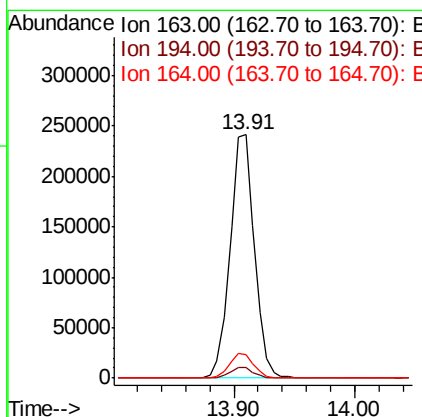
RT: 13.91 min Scan# 1857

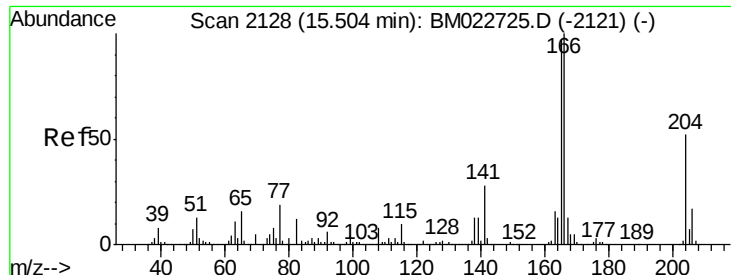
Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Tgt Ion:	163	Resp:	337863
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	9.6	8.2	12.2





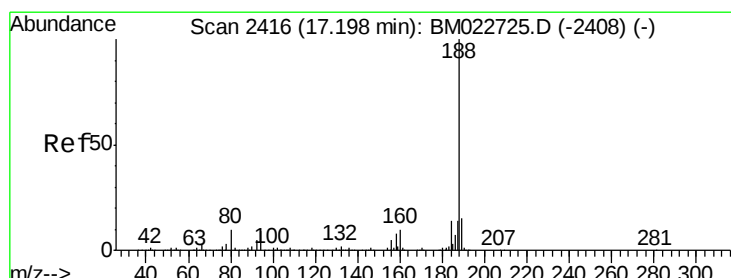
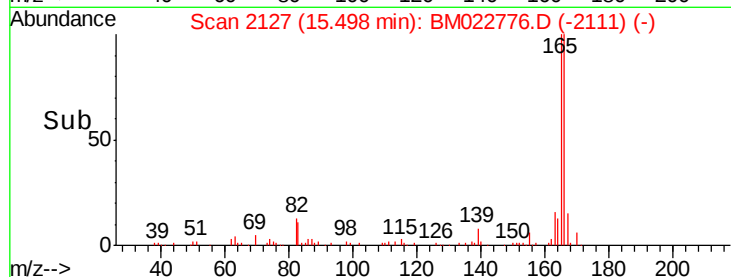
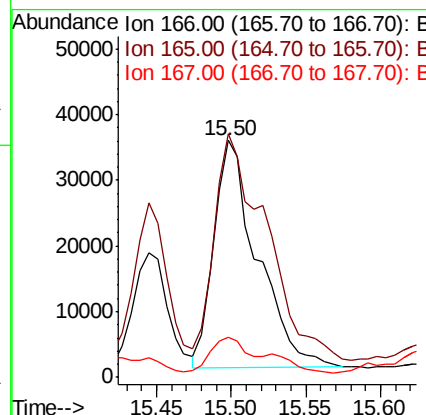
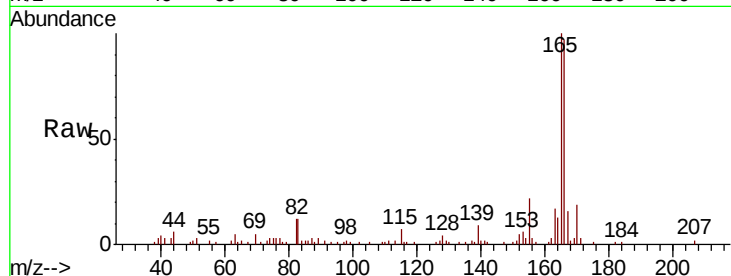
#58
 Fluorene
 Concen: 2.213 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.7	77.6	116.4
167	16.8	10.8	16.2

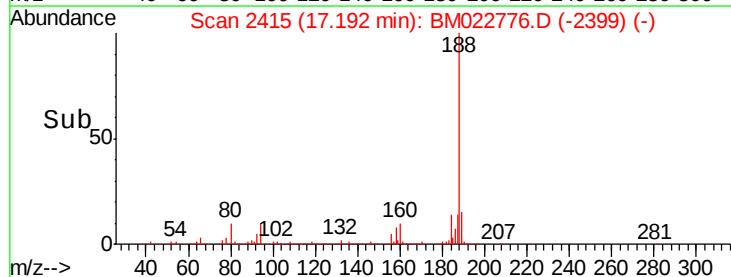
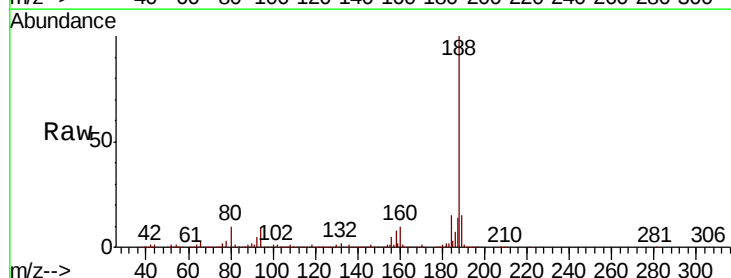
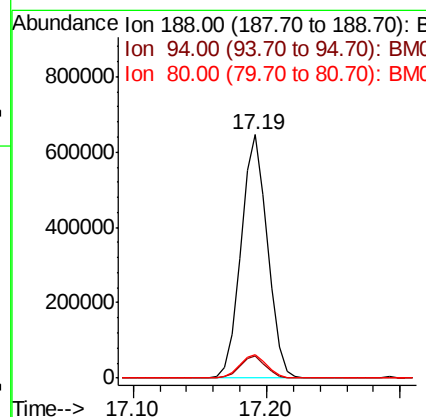
Manual Integrations
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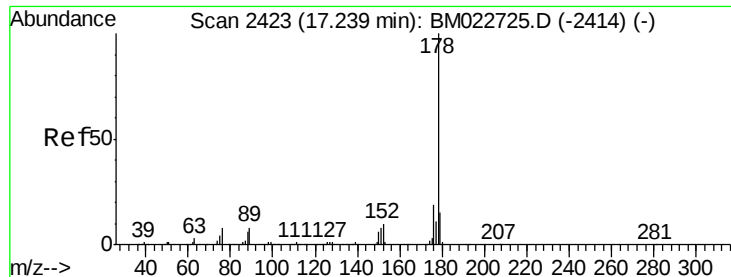
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.19 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	9.6	7.8	11.8





#71

Phenanthrene

Concen: 24.697 ng

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

ClientSampleId :

WC-09-091919

Tot Ion:178 Resp: 1233401

Ion Ratio Lower Upper

178 100

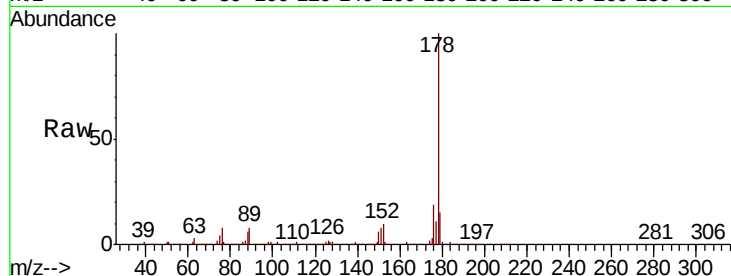
176 19.1 15.4 23.2

179 15.5 12.3 18.5

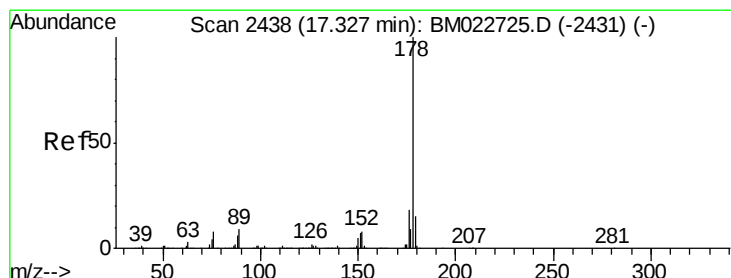
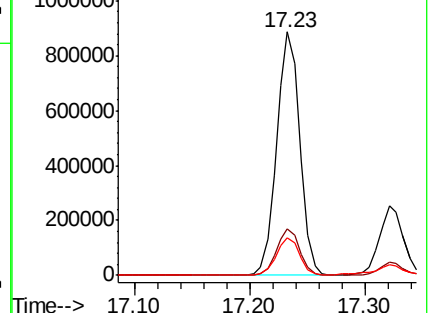
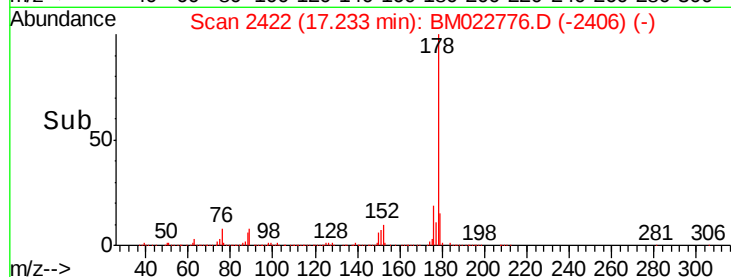
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Abundance Ion 178.00 (177.70 to 178.70): E
1200000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.404 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

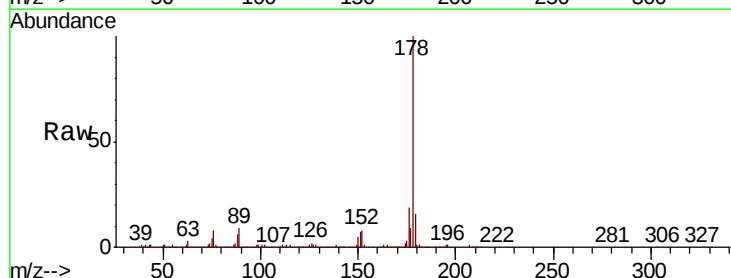
Tgt Ion:178 Resp: 358382

Ion Ratio Lower Upper

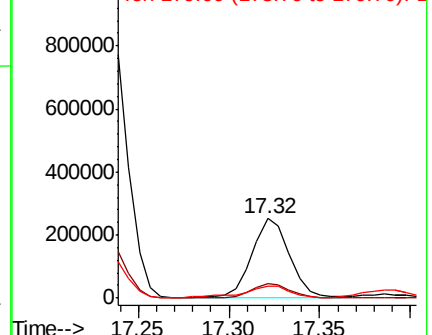
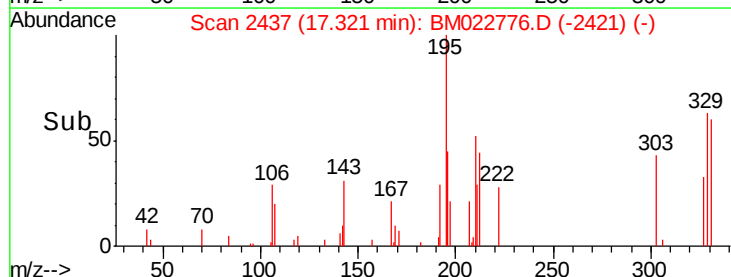
178 100

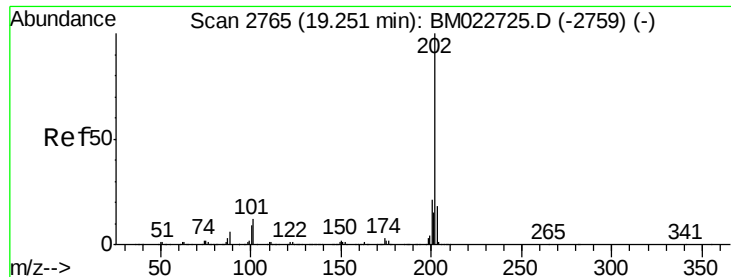
176 18.9 14.7 22.1

179 15.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
1000000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 34.703 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

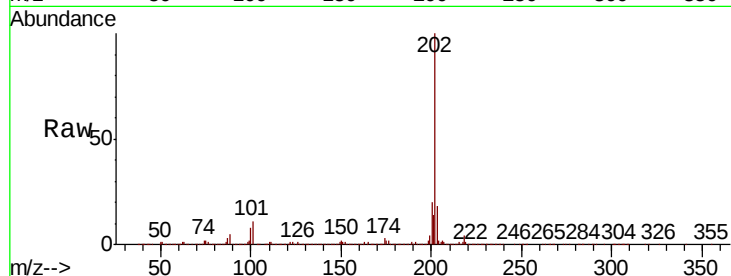
ClientSampleId :

WC-09-091919

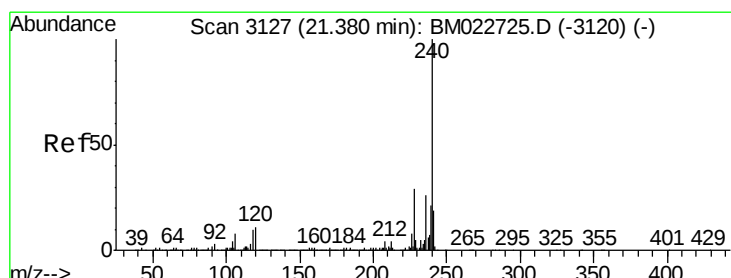
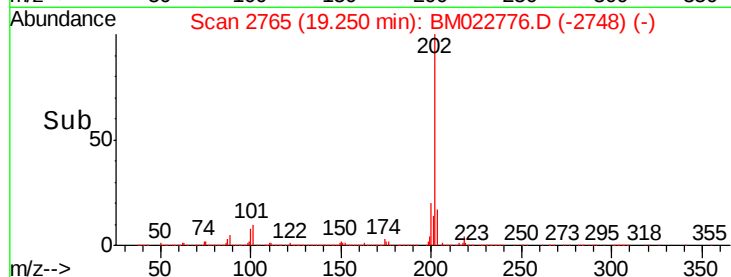
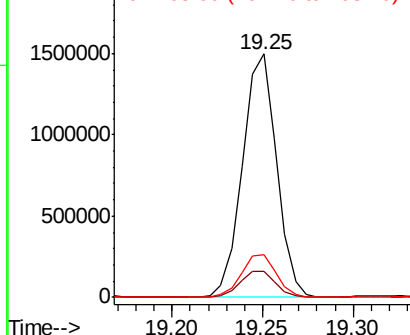
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1955708		
101	10.7	0.0	32.1		
203	17.7	0.0	37.7		

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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

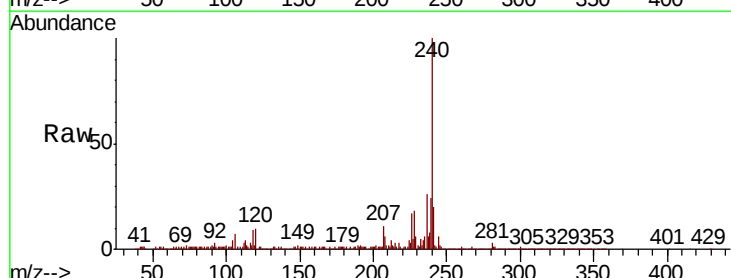
RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

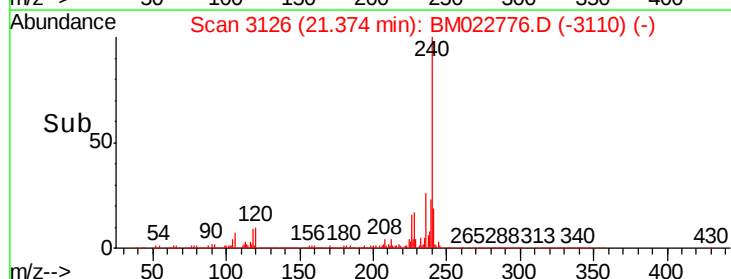
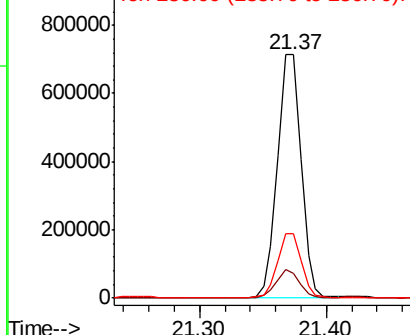
Lab File: BM022776.D

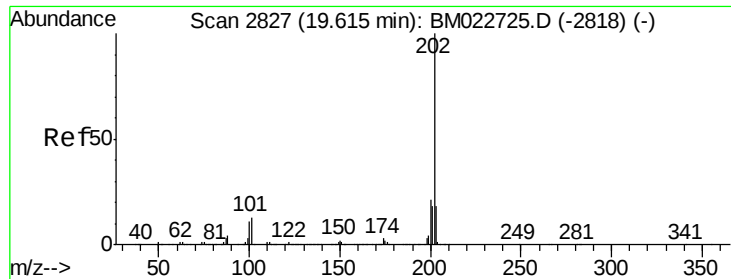
Acq: 25 Sep 2019 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		918245		
120	10.2	8.8	13.2		
236	26.4	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





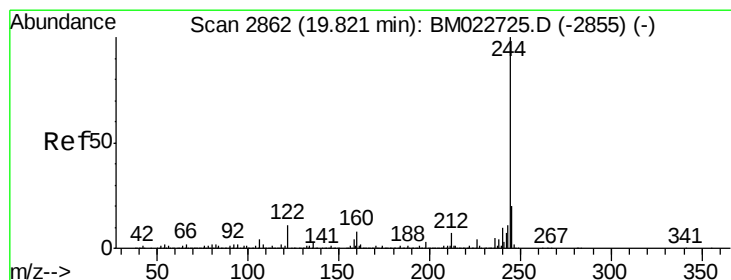
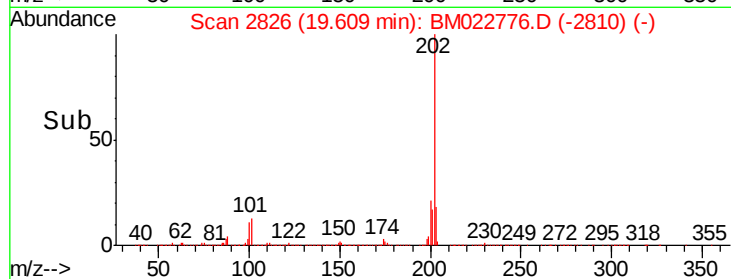
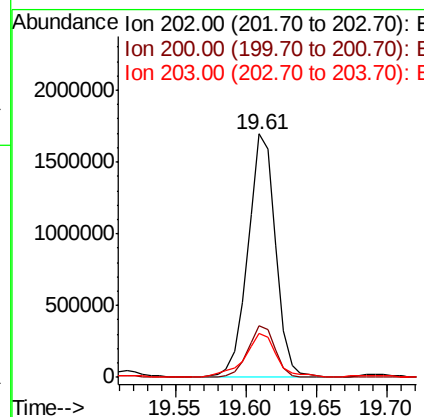
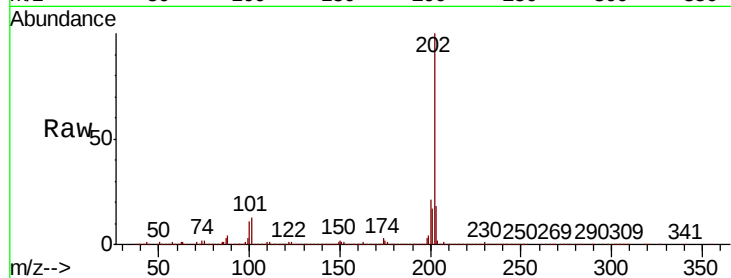
#78
Pvrene
Concen: 38.369 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	18.1	14.1	21.1

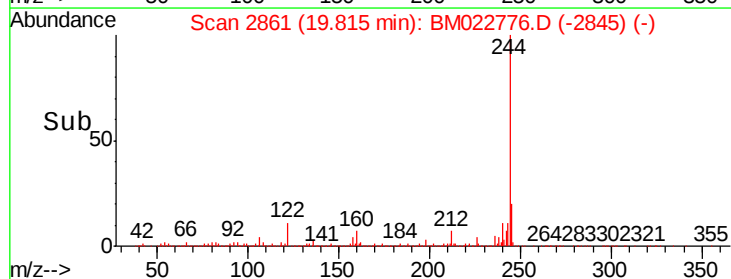
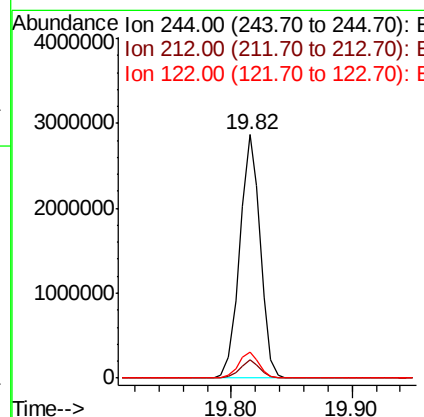
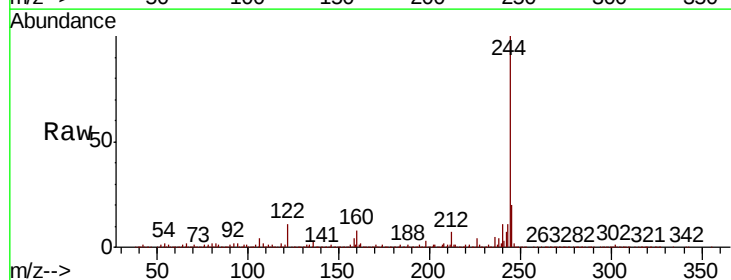
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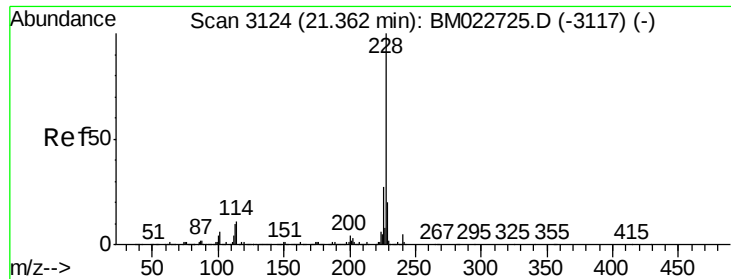
mohammad
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#79
Terphenyl-d14
Concen: 71.256 ng
RT: 19.82 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.8	9.0	13.4





#81

Benzo(a)anthracene

Concen: 18.245 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

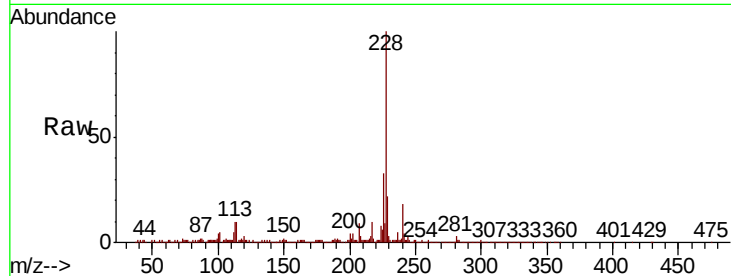
ClientSampleId :

WC-09-091919

Tot Ion:	228	Resp:	1085784
Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.0	33.0
229	22.0	15.9	23.9

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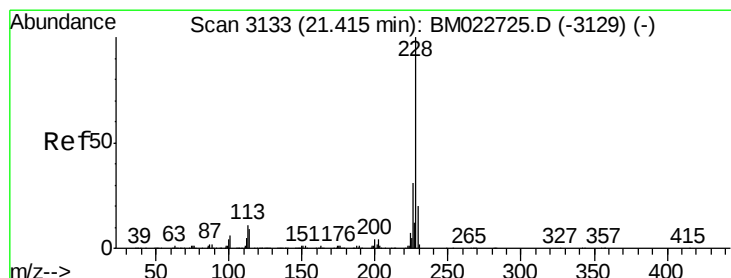
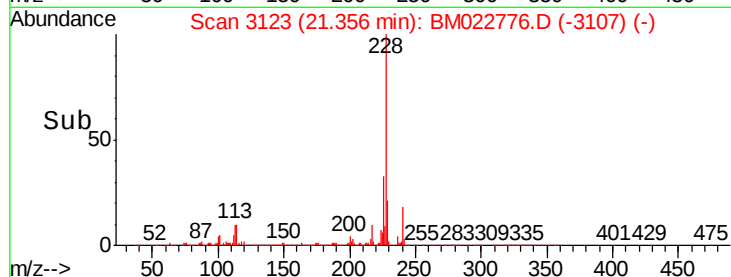
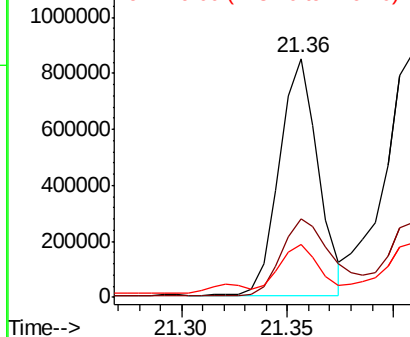


Abundance

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: 20.503 ng

RT: 21.41 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

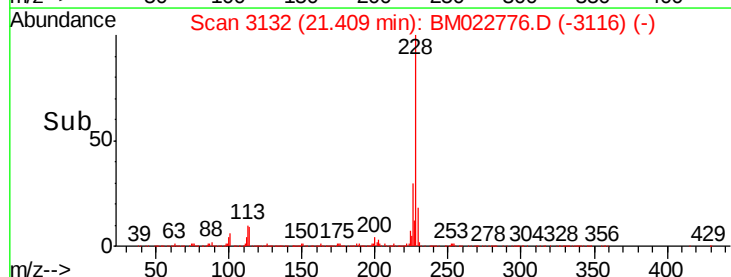
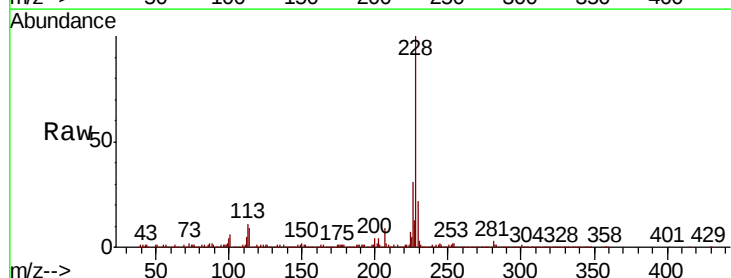
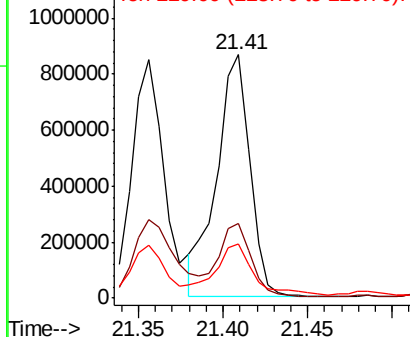
Tgt Ion:	228	Resp:	1182951
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	22.0	15.9	23.9

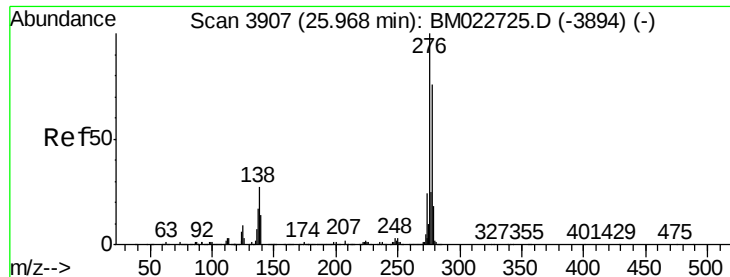
Abundance

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





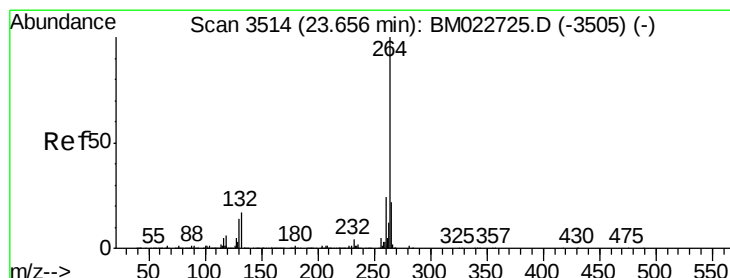
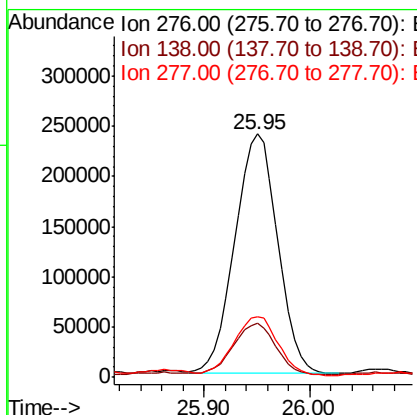
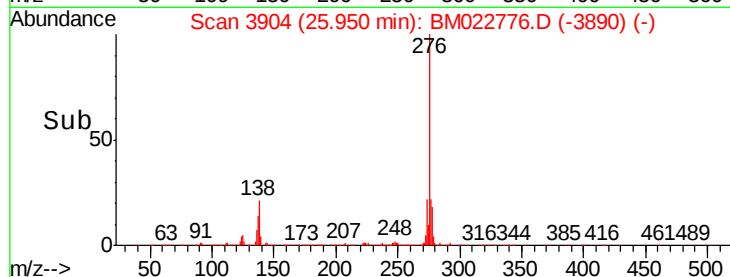
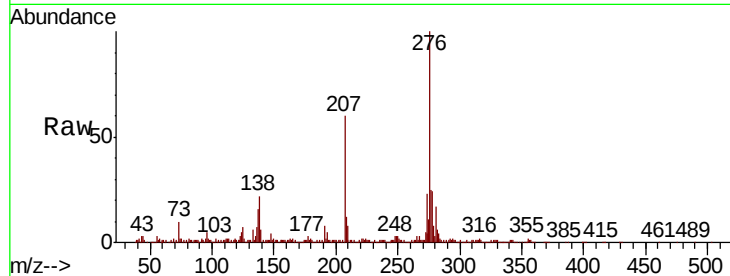
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.756 ng
 RT: 25.95 min Scan# 3904
 Delta R.T. -0.02 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion	Ratio	Resp	Lower	Upper
276	100	671820		
138	21.3	0.0	0.0#	
277	24.9	0.0	0.0#	

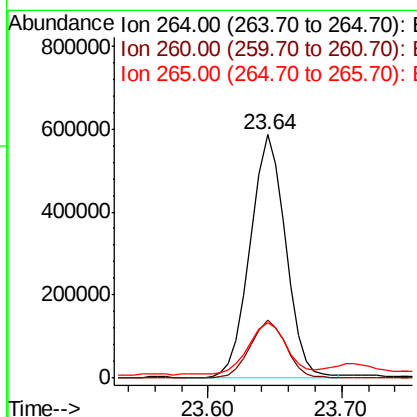
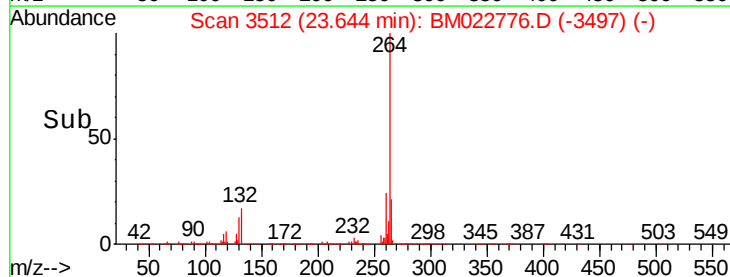
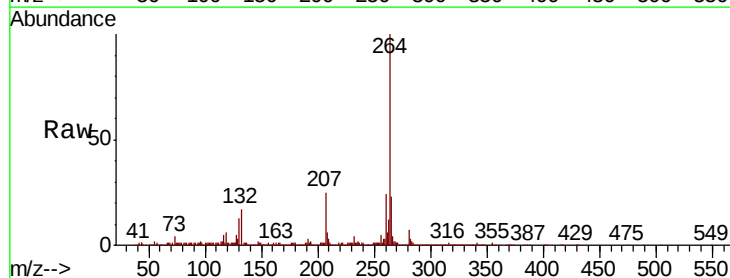
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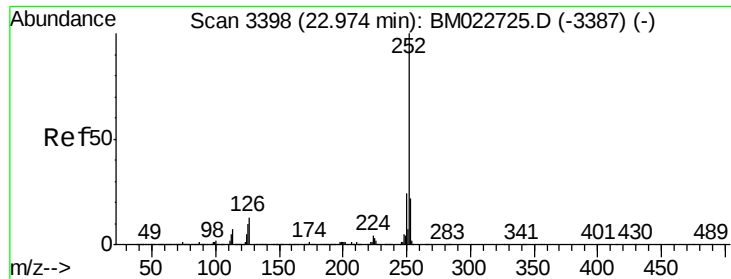
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM022776.D
 Acq: 25 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	1072317		
260	23.9	19.1	28.7	
265	22.9	17.9	26.9	





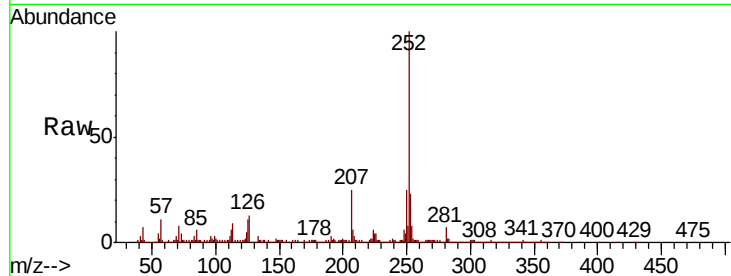
#88
Benzo(b)fluoranthene
Concen: 19.643 ng m
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.3	8.2	12.4

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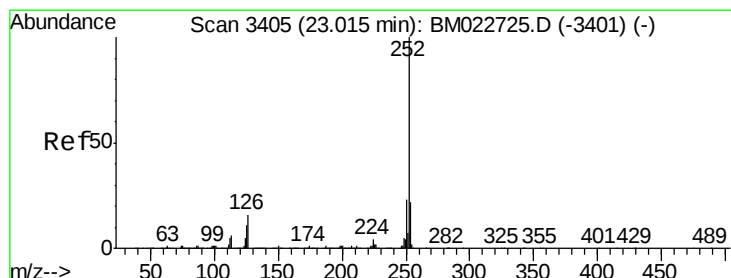
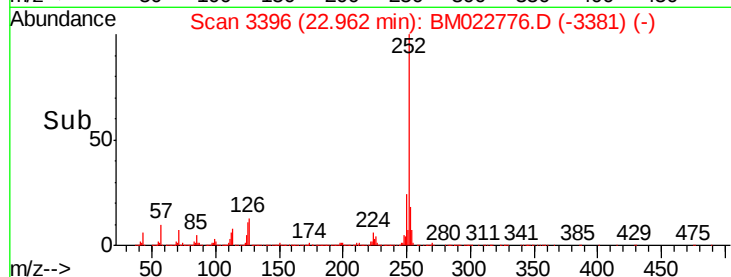
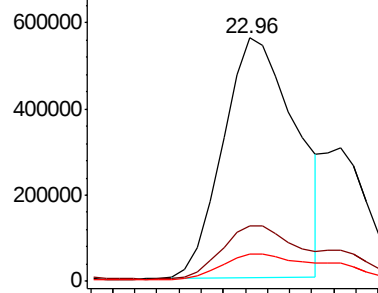


Abundance

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: 6.377 ng m
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022776.D
Acq: 25 Sep 2019 17:53

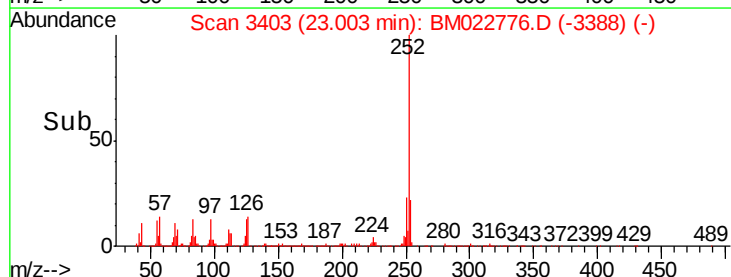
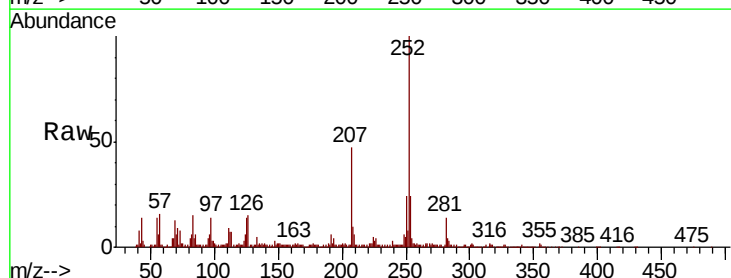
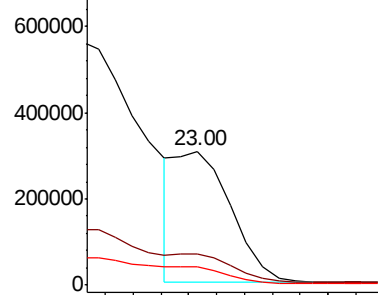
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.7	8.5	12.7#

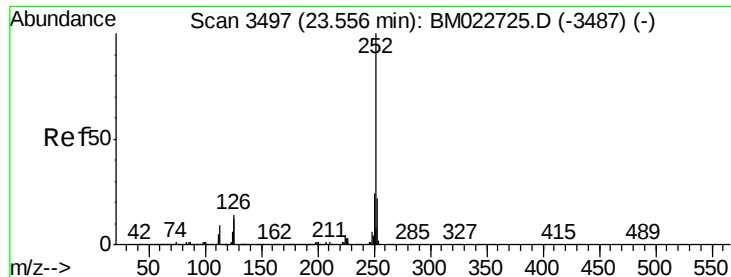
Abundance

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: 17.041 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

ClientSampleId :

WC-09-091919

Tot Ion:252 Resp: 1019473

Ion Ratio Lower Upper

252 100

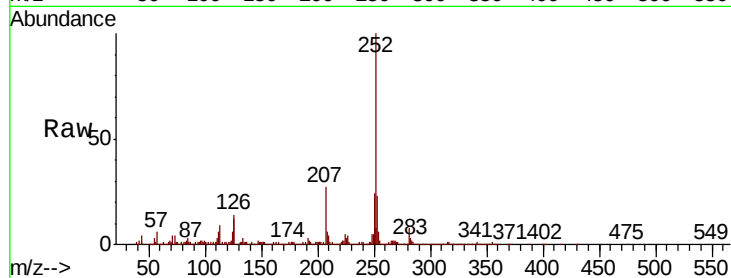
253 22.9 17.3 25.9

125 11.6 9.3 13.9

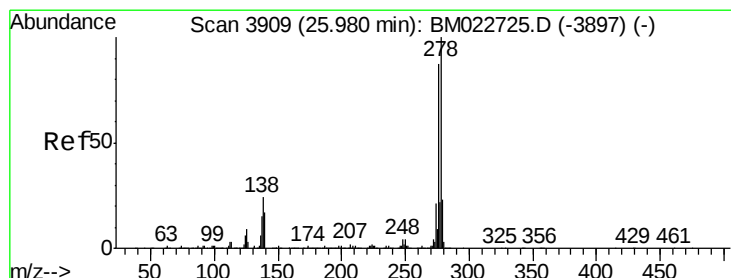
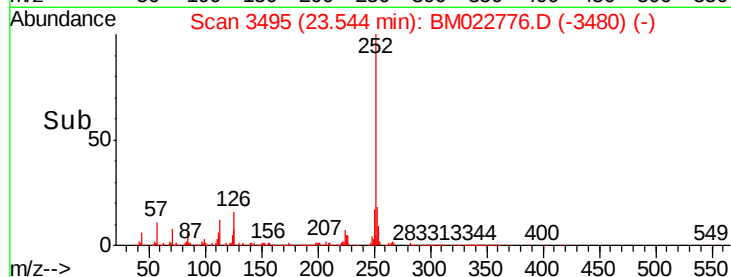
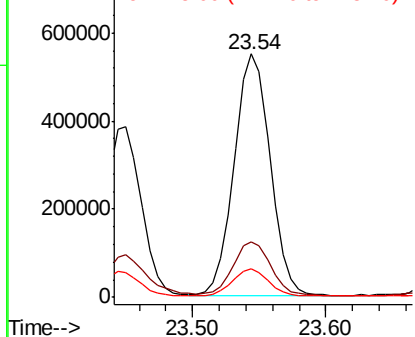
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.979 ng

RT: 25.96 min Scan# 3905

Delta R.T. -0.02 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Tgt Ion:278 Resp: 186430

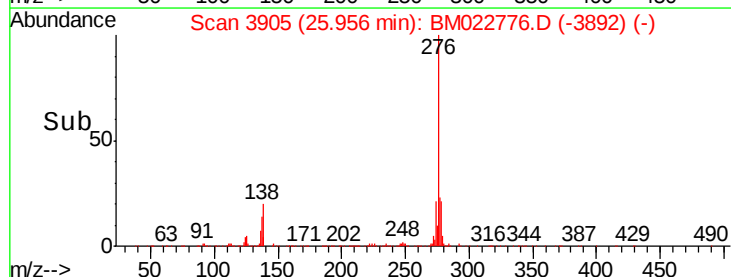
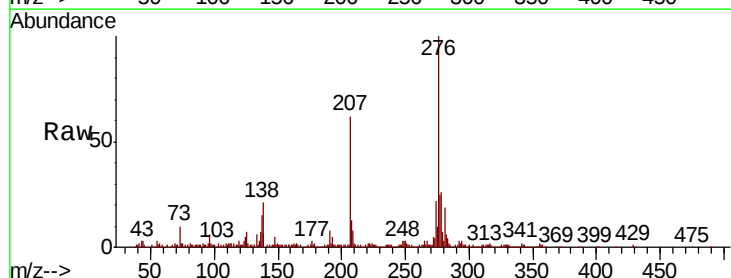
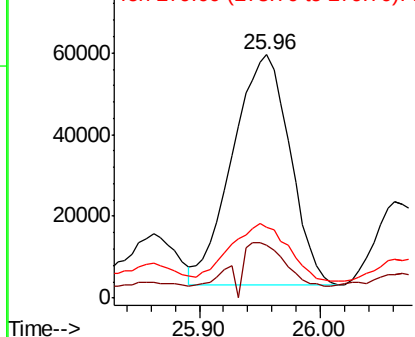
Ion Ratio Lower Upper

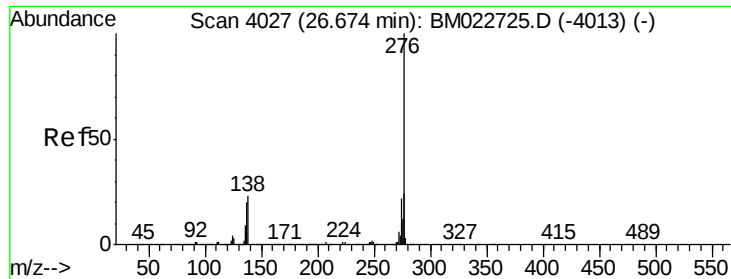
278 100

139 21.6 13.7 20.5#

279 28.9 18.6 28.0#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.963 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.01 min

Lab File: BM022776.D

Acq: 25 Sep 2019 17:53

Instrument :

BNA_M

ClientSampleId :

WC-09-091919

Tot Ion:	276	Resp:	711075
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.1	28.7
138	22.1	18.5	27.7

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