

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022758.D
 Acq On : 24 Sep 2019 20:14
 Operator : JU
 Sample : K4997-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Manual Integrations
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 9/26/2019 8:25:29 AM

Quant Time: Sep 25 04:35:19 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	238055	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	908196	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	525426	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	1032763	20.00	ng	0.00
76) Chrysene-d12	21.37	240	826183	20.00	ng	-0.01
87) Perylene-d12	23.64	264	968734	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1475408	98.29	ng	0.00
7) Phenol-d6	6.99	99	2017907	104.67	ng	0.00
23) Nitrobenzene-d5	8.98	82	1141739	69.78	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	739141	112.69	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2754151	72.18	ng	0.00
79) Terphenyl-d14	19.82	244	3562656	83.50	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	334538	6.970	ng	99
50) Dimethylphthalate	13.91	163	395522	10.416	ng	100
58) Fluorene	15.50	166	75062	2.015	ng	# 96
71) Phenanthrene	17.23	178	1428889	24.520	ng	100
72) Anthracene	17.32	178	329891	5.841	ng	99
75) Fluoranthene	19.25	202	2087068	31.738	ng	98
78) Pyrene	19.61	202	2369201	43.758	ng	99
81) Benzo(a)anthracene	21.36	228	972334	18.159	ng	93
83) Chrysene	21.41	228	1060929	20.437	ng	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	620104	10.008	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1144687m	19.516	ng	
89) Benzo(k)fluoranthene	23.00	252	360956m	6.202	ng	
90) Benzo(a)pyrene	23.54	252	919010	17.004	ng	97
91) Dibenzo(a,h)anthracene	25.96	278	167601	2.965	ng	# 85
92) Benzo(a,h,i)perylene	26.66	276	664616	12.377	ng	99

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

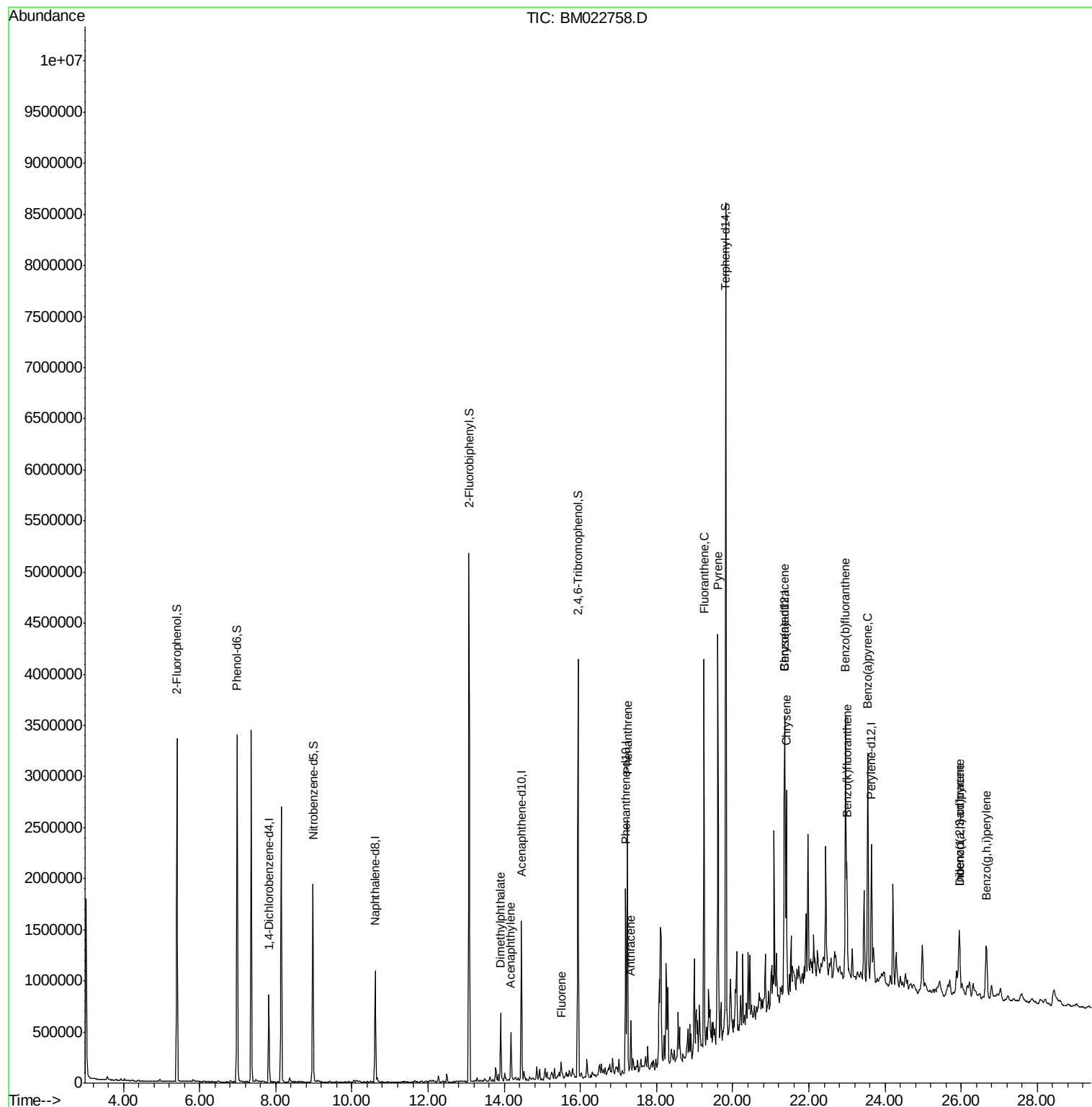
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
Data File : BM022758.D
Acq On : 24 Sep 2019 20:14
Operator : JU
Sample : K4997-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

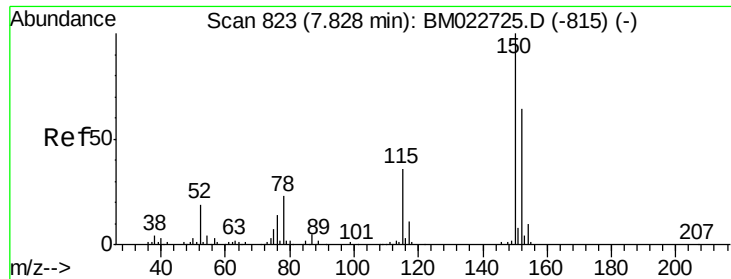
Instrument :
BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

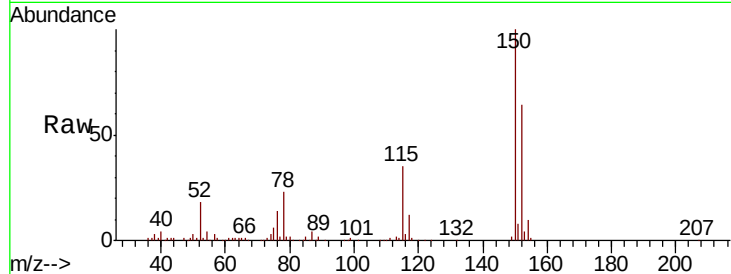
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	54.8	45.0	67.4

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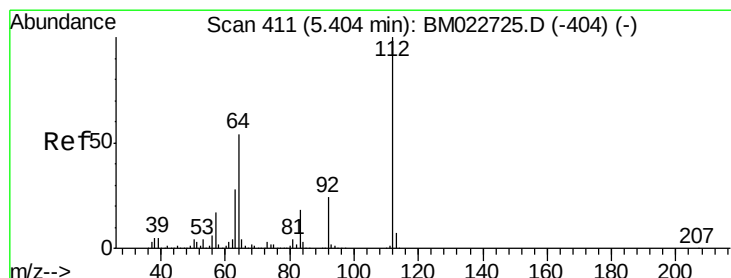
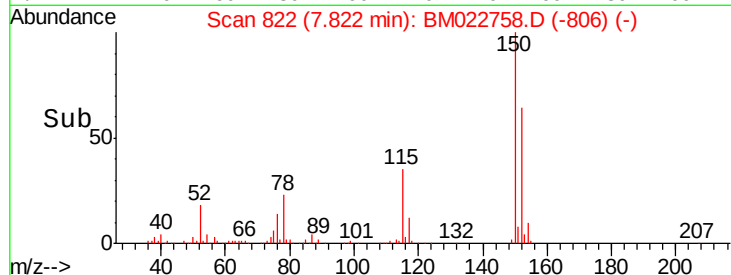
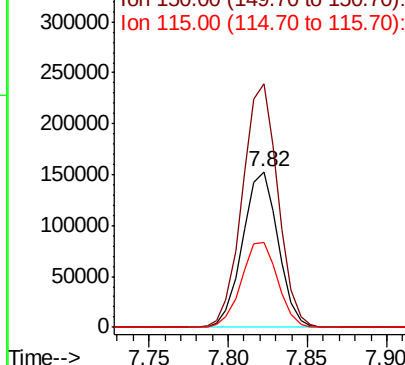


Abundance

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: 98.294 ng
RT: 5.40 min Scan# 411
Delta R.T. 0.00 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

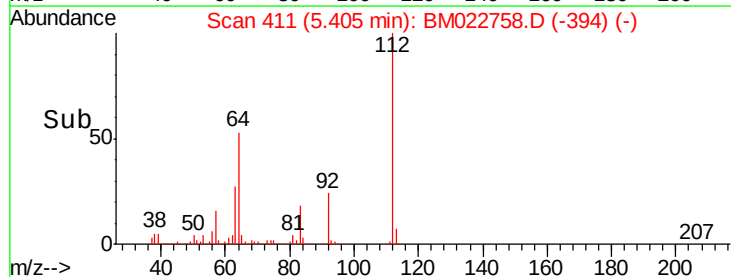
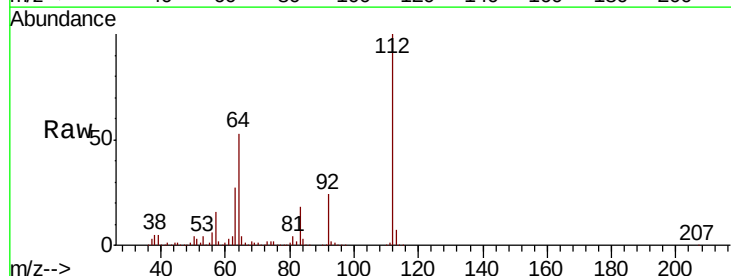
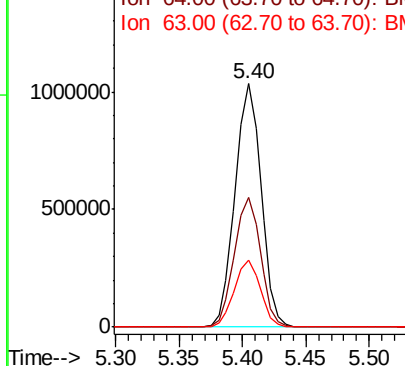
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.4	65.2
63	27.3	22.1	33.1

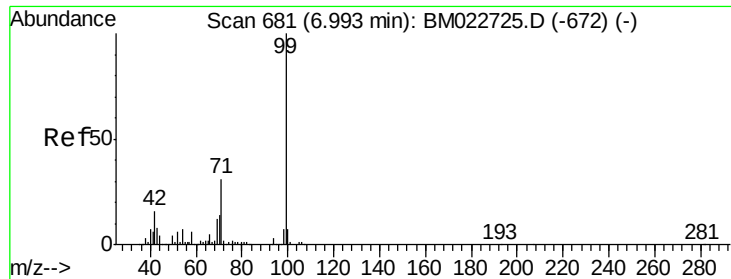
Abundance

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: 104.670 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

ClientSampleId :

WC-09-091919

Tot Ion: 99 Resp: 2017907

Ion Ratio Lower Upper

99 100

42 15.9 13.0 19.4

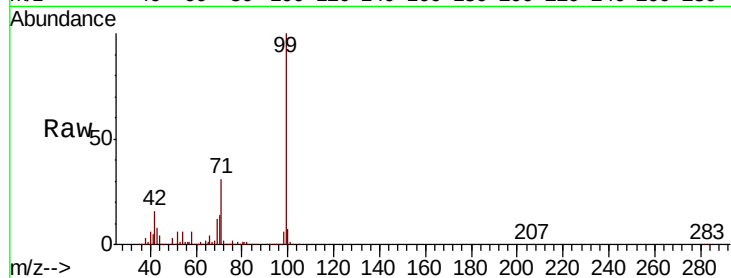
71 30.9 24.7 37.1

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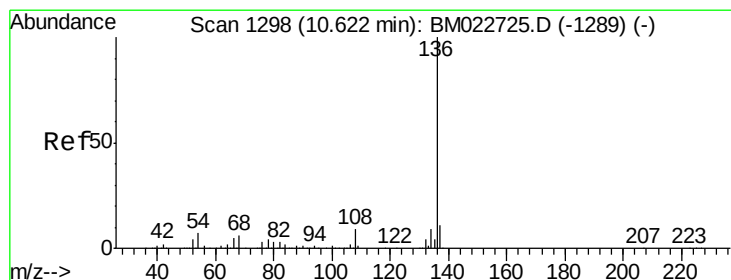
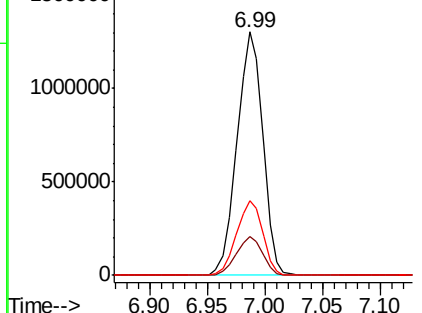
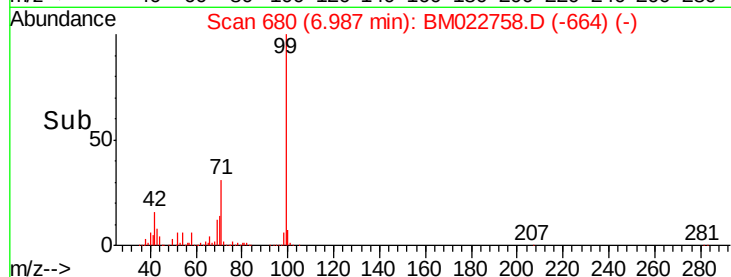
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Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022725.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022725.D (-672) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Tgt Ion: 136 Resp: 908196

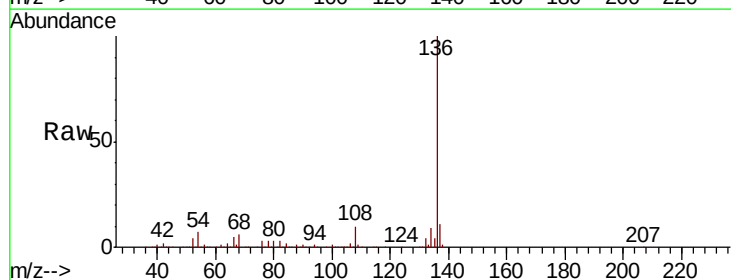
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.3 6.0 9.0

68 5.7 4.9 7.3

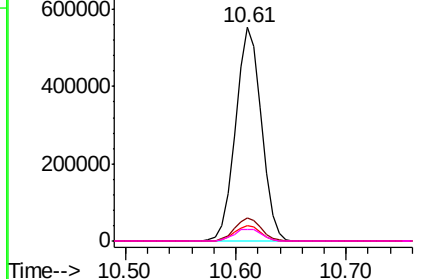
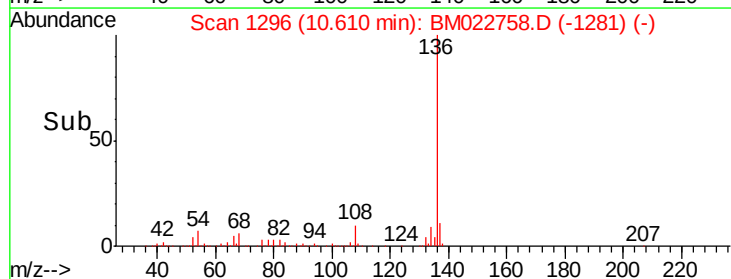


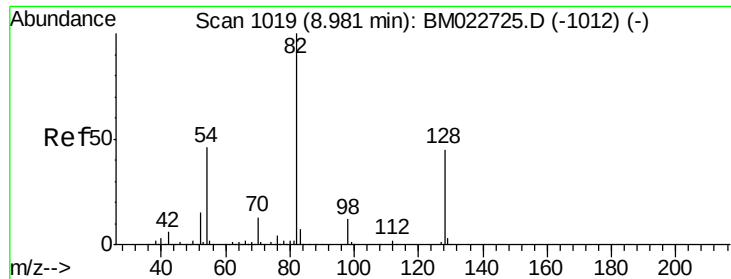
Abundance Ion 136.00 (135.70 to 136.70): BM022725.D (-1289) (-)

Ion 137.00 (136.70 to 137.70): BM022725.D (-1289) (-)

Ion 54.00 (53.70 to 54.70): BM022725.D (-1289) (-)

Ion 68.00 (67.70 to 68.70): BM022725.D (-1289) (-)





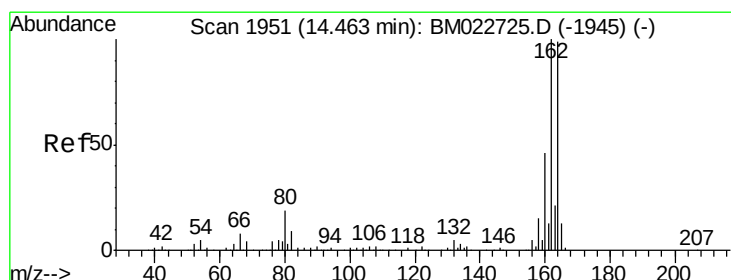
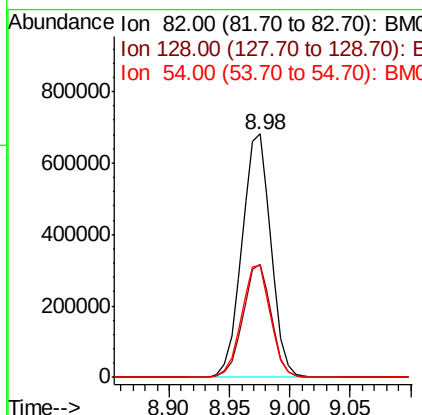
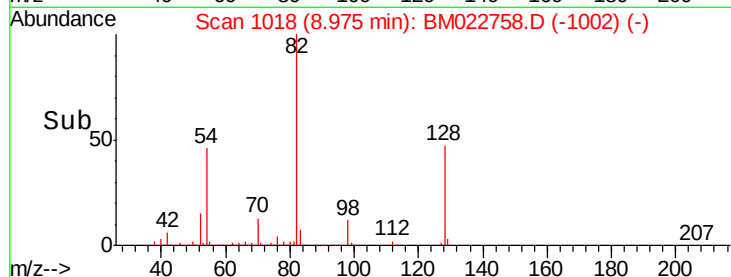
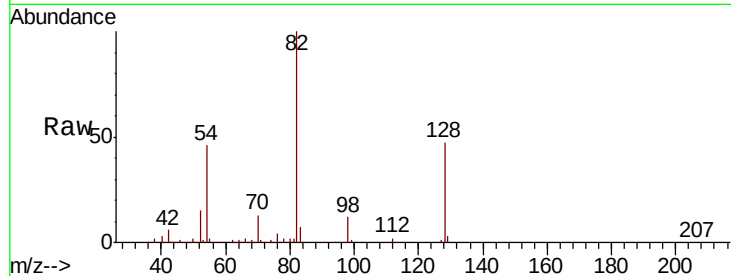
#23
 Nitrobenzene-d5
 Concen: 69.785 ng
 RT: 8.98 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022758.D
 Acq: 24 Sep 2019 20:14

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.0	54.0
54	45.7	37.1	55.7

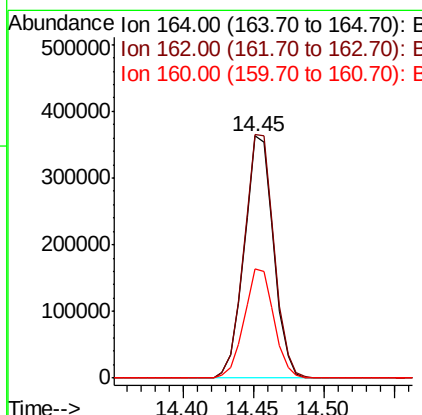
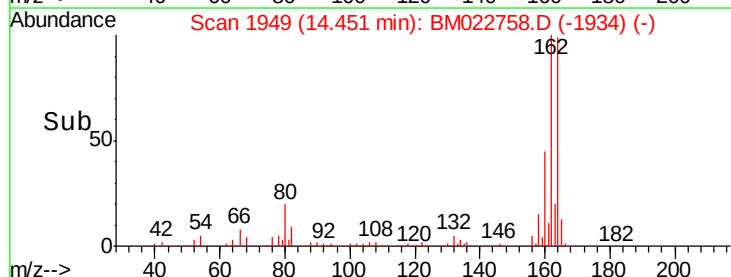
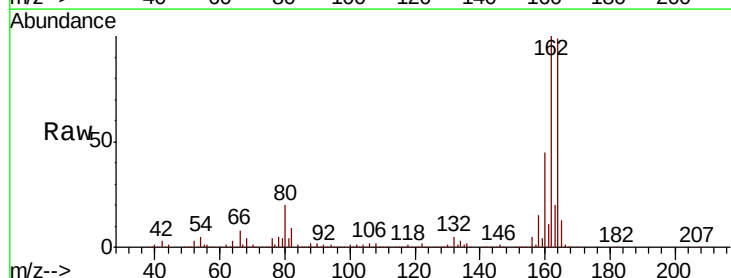
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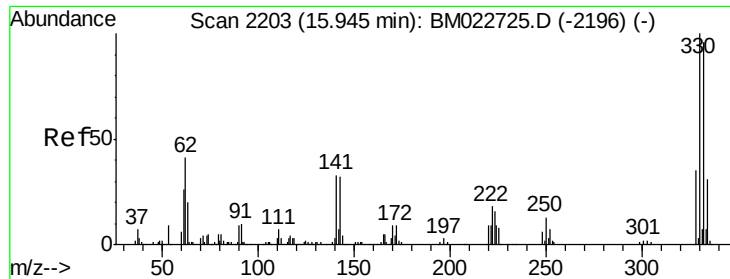
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.45 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: BM022758.D
 Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.1	121.7
160	45.1	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 112.689 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

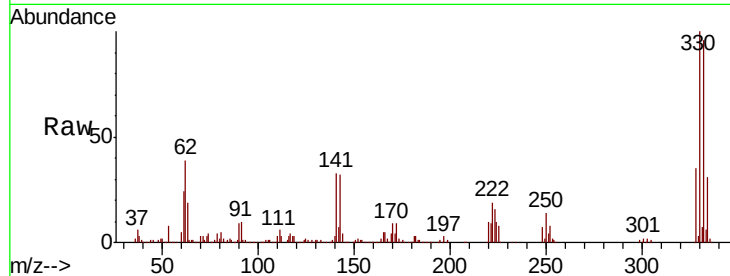
ClientSampleId :

WC-09-091919

Tot Ion:	330	Resp:	739141
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.9	115.3
141	34.1	28.6	42.8

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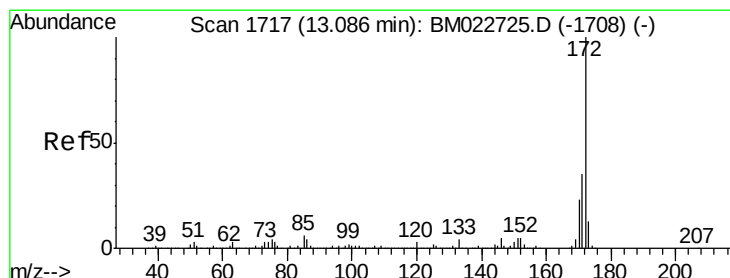
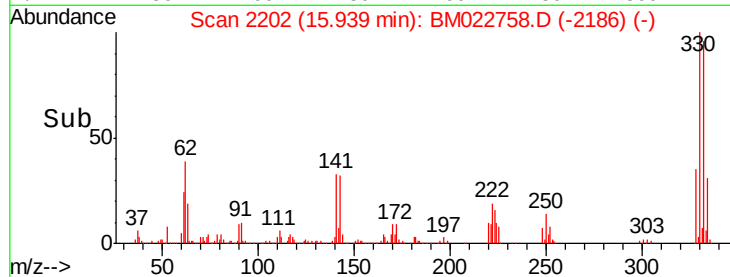
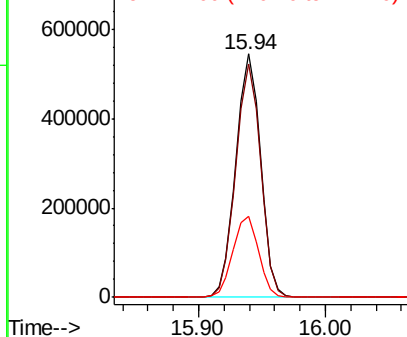


Abundance

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: 72.181 ng

RT: 13.08 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

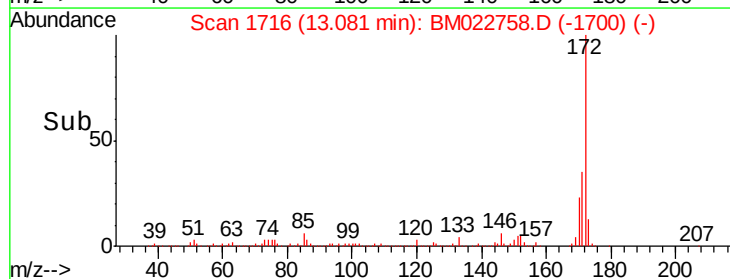
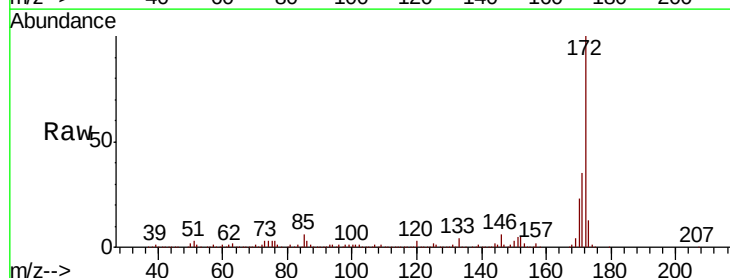
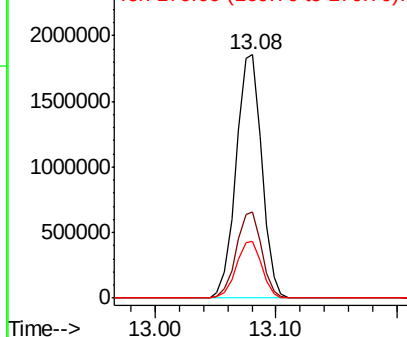
Tgt Ion:	172	Resp:	2754151
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.8	41.8
170	23.3	18.7	28.1

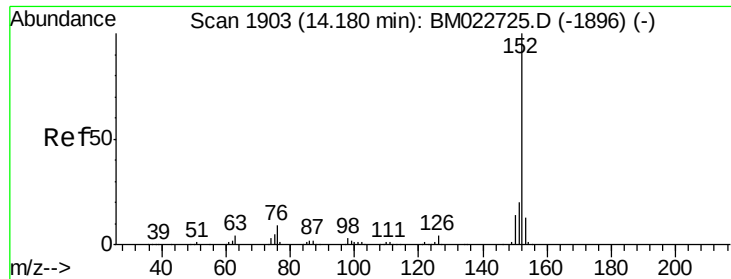
Abundance

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: 6.970 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

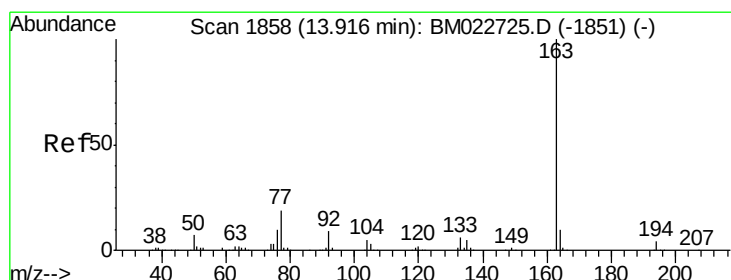
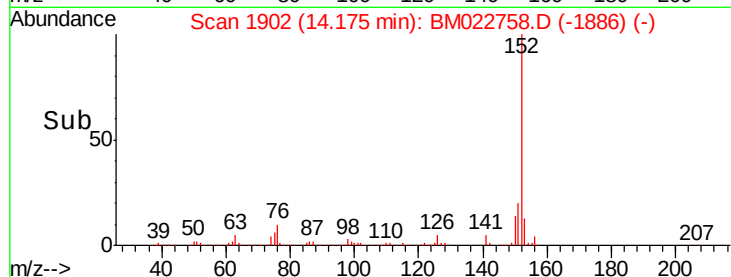
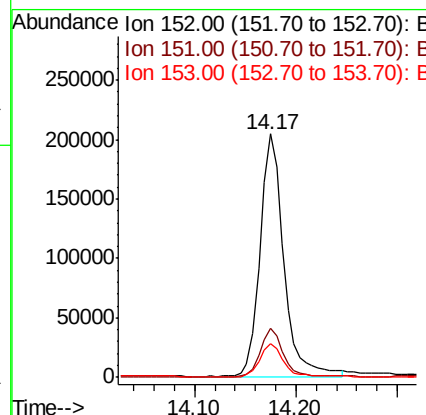
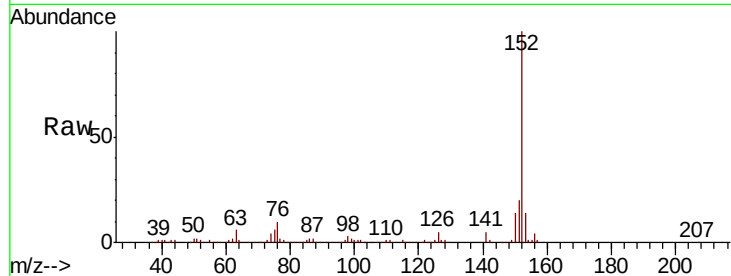
ClientSampled :

WC-09-091919

Tot Ion:	152	Resp:	334538
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.9	23.9
153	13.8	10.5	15.7

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#50

Dimethylphthalate

Concen: 10.416 ng

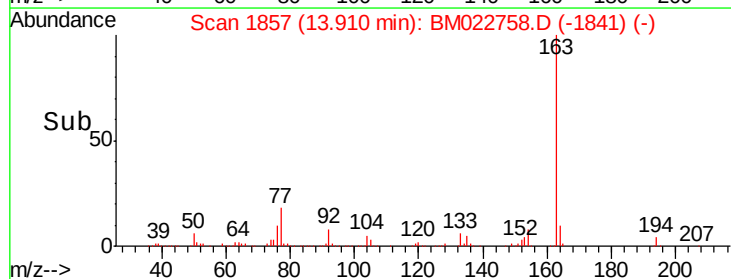
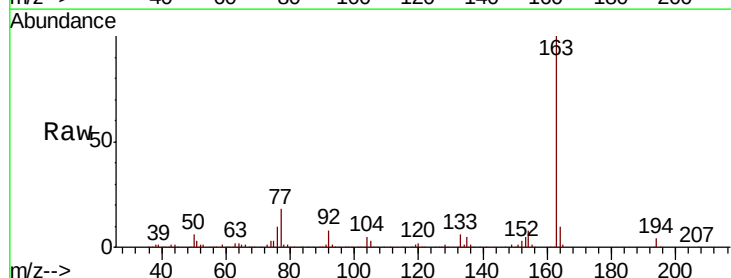
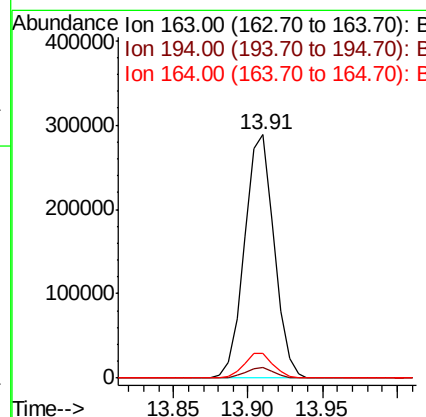
RT: 13.91 min Scan# 1857

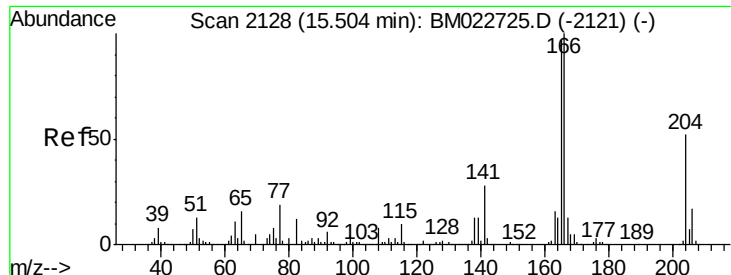
Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Tgt Ion:	163	Resp:	395522
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.2





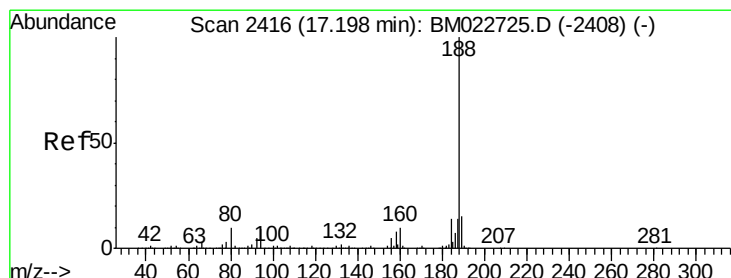
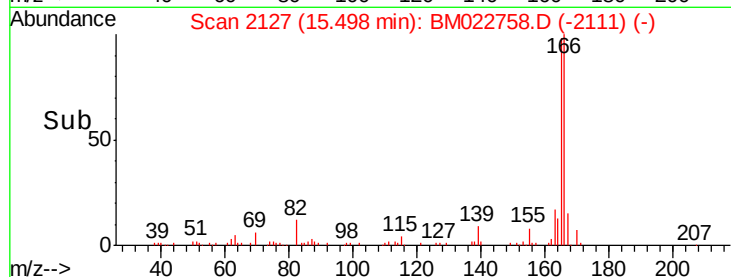
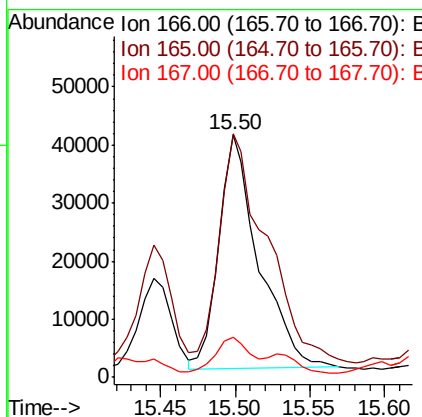
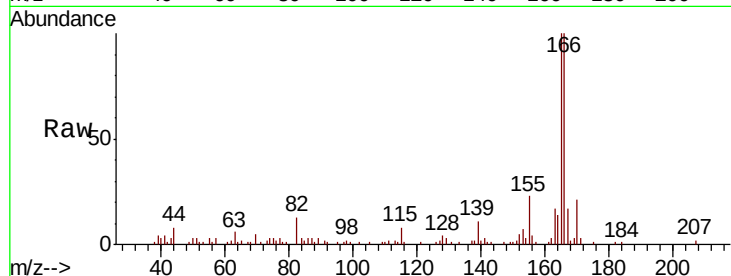
#58
 Fluorene
 Concen: 2.015 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022758.D
 Acq: 24 Sep 2019 20:14

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.6	116.4
167	16.7	10.8	16.2

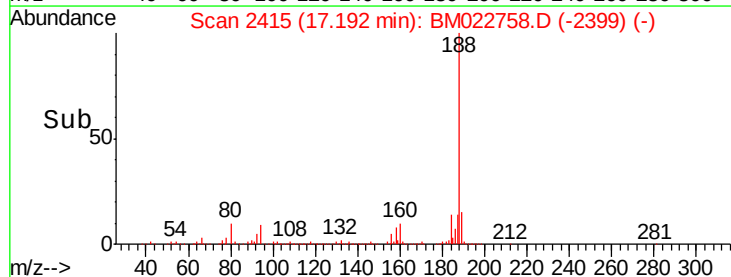
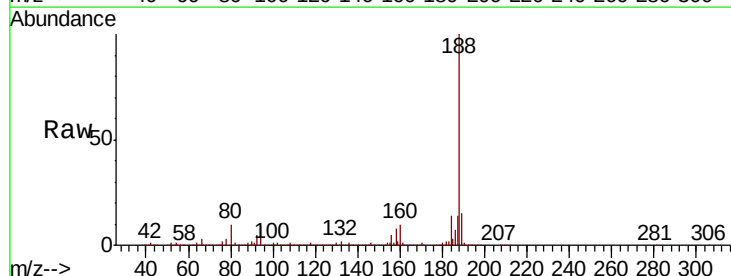
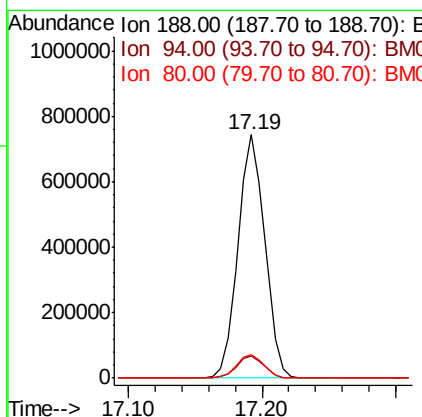
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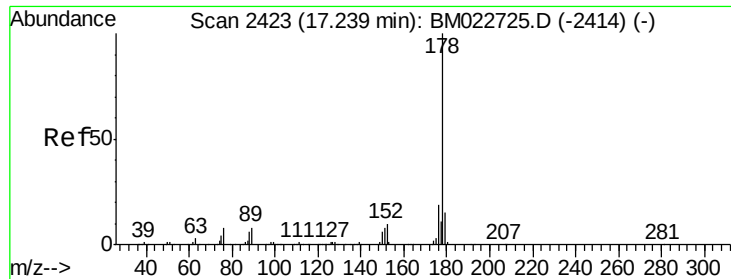
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.19 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BM022758.D
 Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	9.7	7.8	11.8





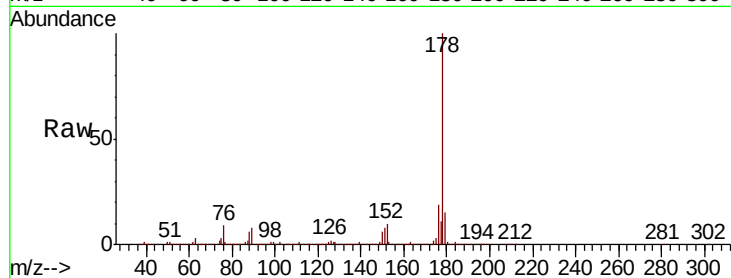
#71
Phenanthrene
Concen: 24.520 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Instrument :
BNA_M
ClientSampled :
WC-09-091919

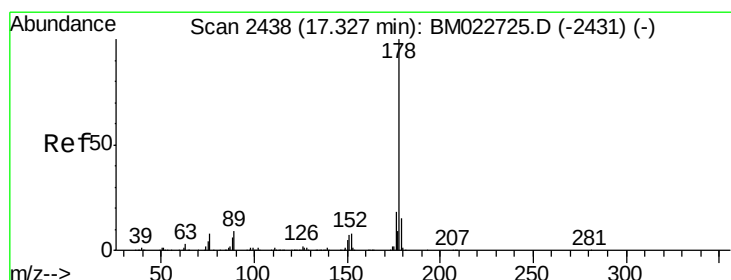
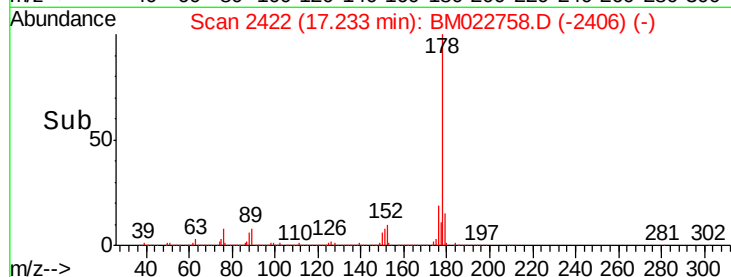
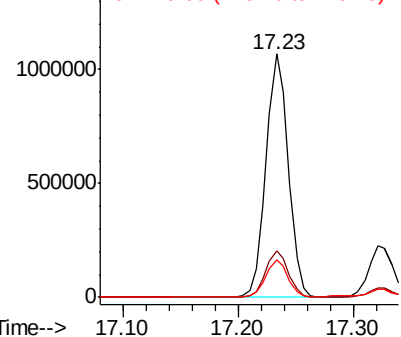
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.3	18.5

Manual Integrations
APPROVED

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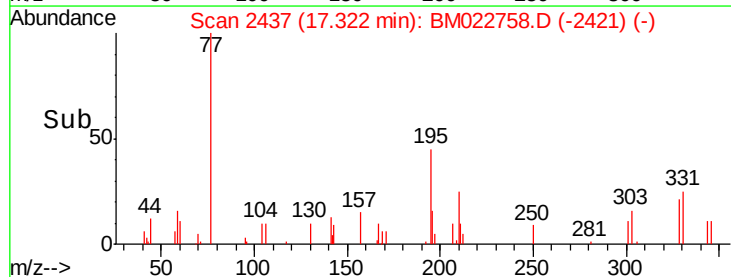
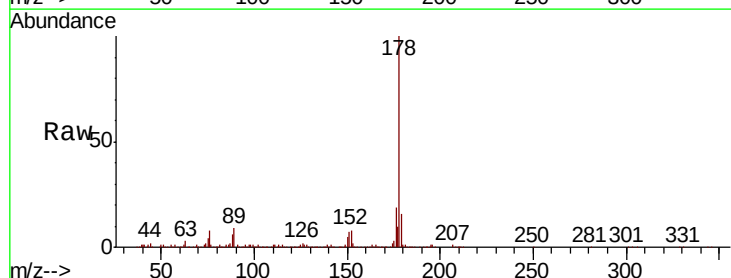
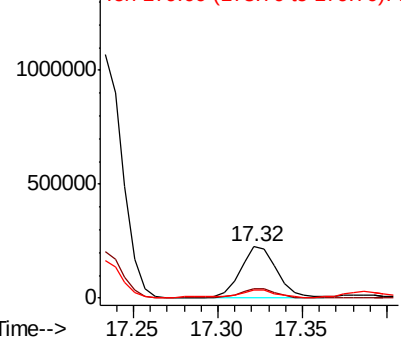
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

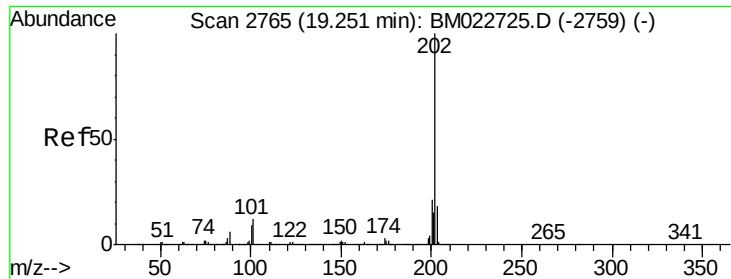


#72
Anthracene
Concen: 5.841 ng
RT: 17.32 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	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





#75

Fluoranthene

Concen: 31.738 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

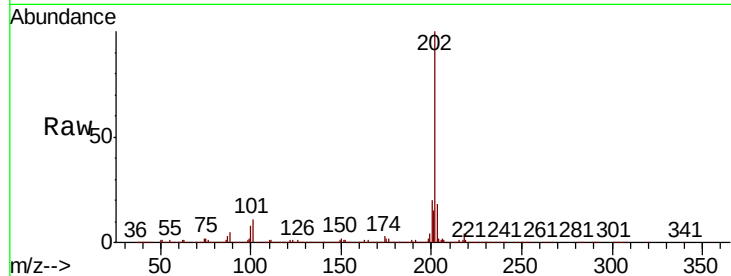
ClientSampleId :

WC-09-091919

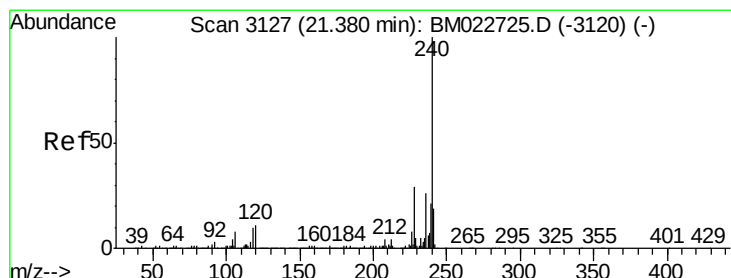
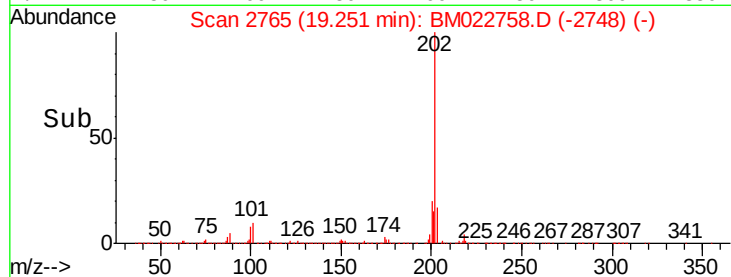
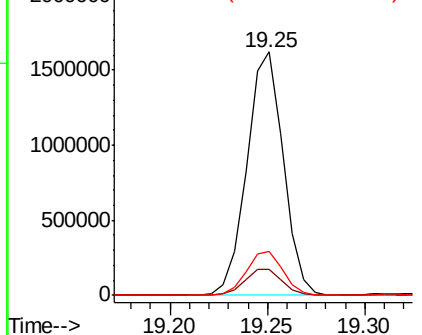
Tot Ion	Ratio	Resp	Lower	Upper
202	100	2087068		
101	10.7		0.0	32.1
203	18.0		0.0	37.7

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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

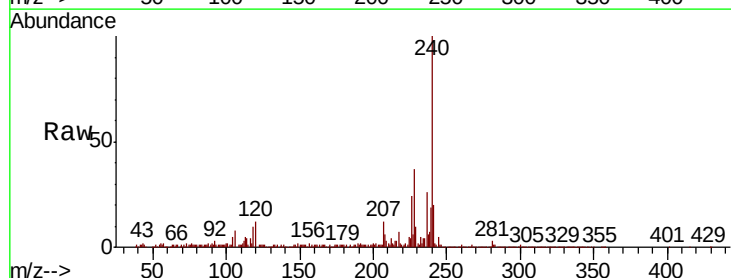
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

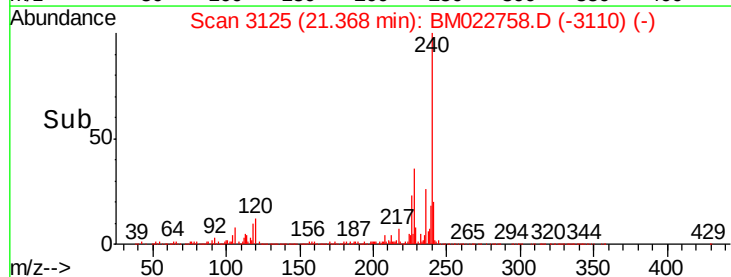
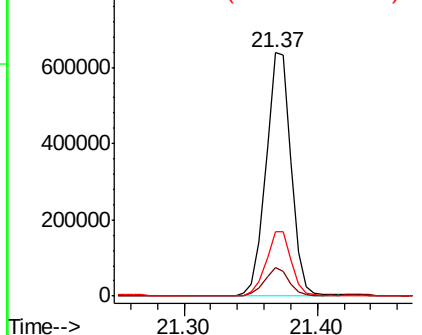
Lab File: BM022758.D

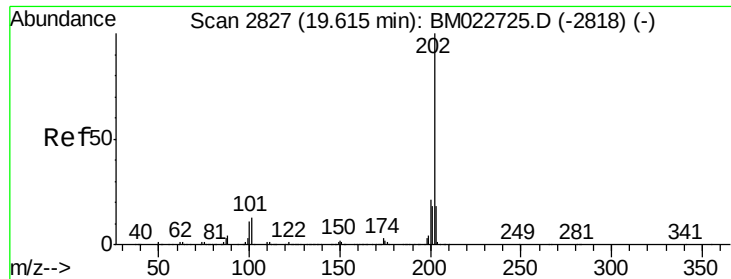
Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	826183		
120	11.9		8.8	13.2
236	26.3		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





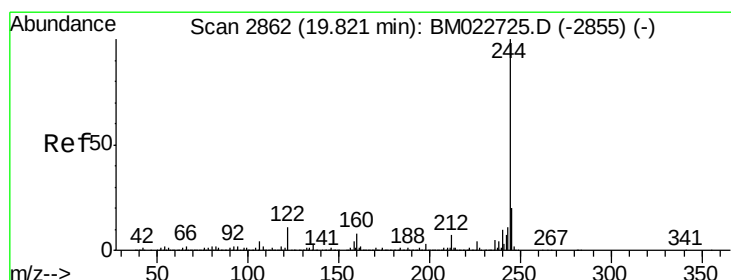
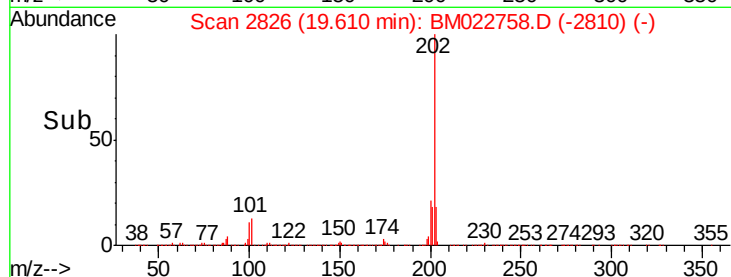
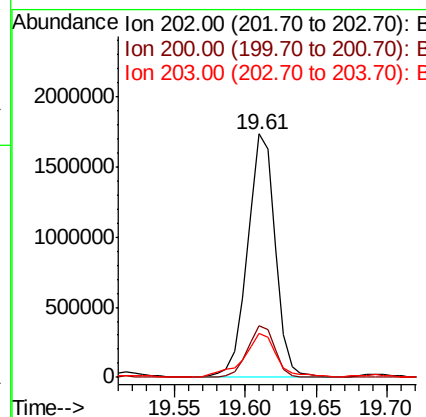
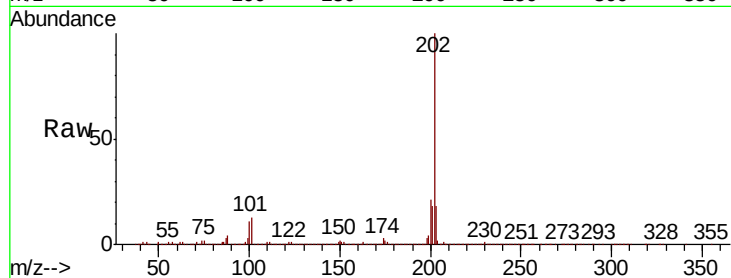
#78
Pvrene
Concen: 43.758 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.9	14.1	21.1

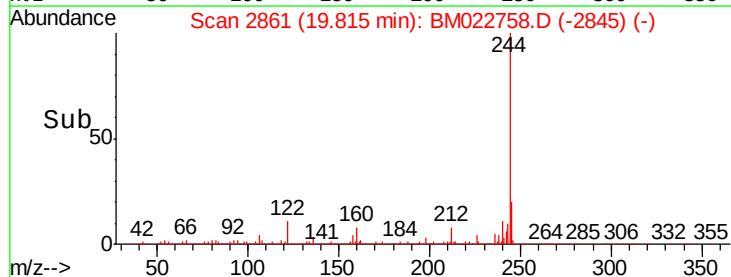
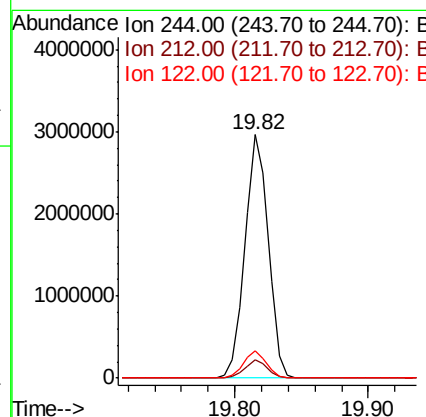
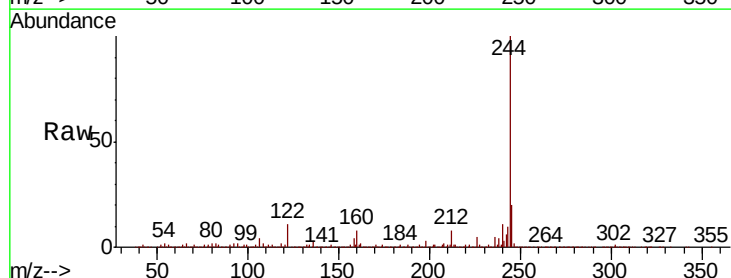
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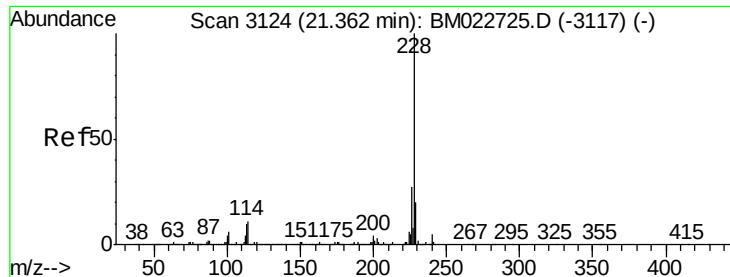
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#79
Terphenyl-d14
Concen: 83.500 ng
RT: 19.82 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.0	9.0	13.4





#81

Benzo(a)anthracene

Concen: 18.159 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

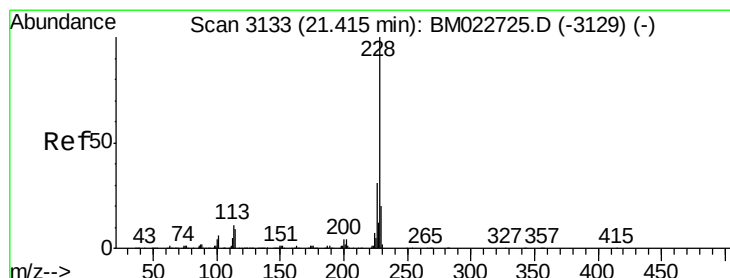
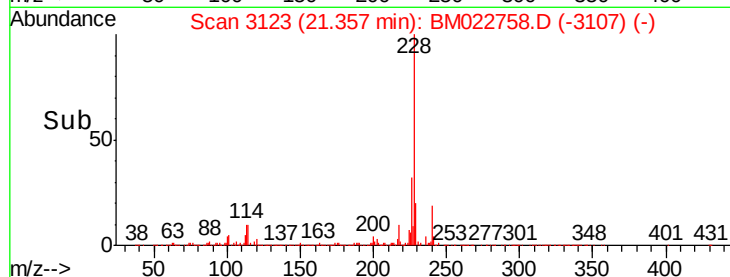
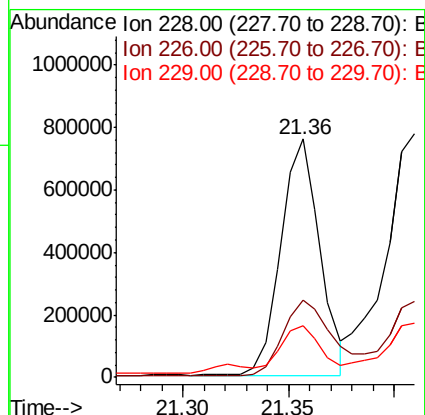
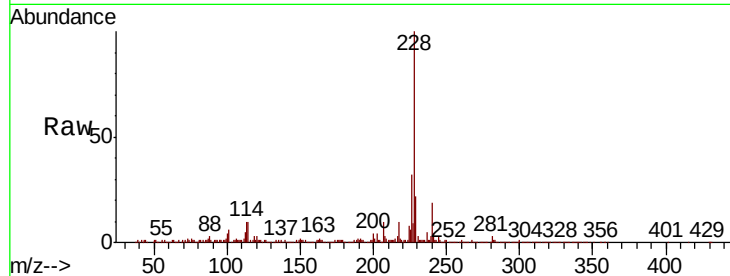
ClientSampled :

WC-09-091919

Tot Ion:	228	Resp:	972334
Ion Ratio	Lower	Upper	
228	100		
226	32.3	22.0	33.0
229	21.7	15.9	23.9

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#83

Chrysene

Concen: 20.437 ng

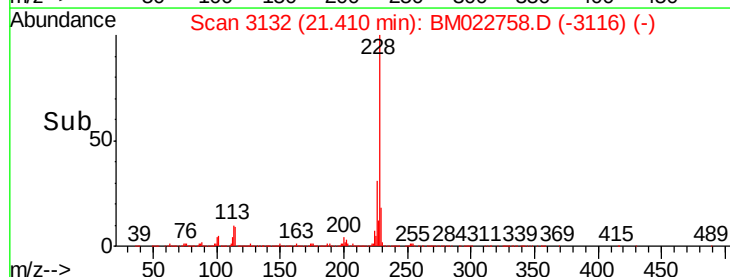
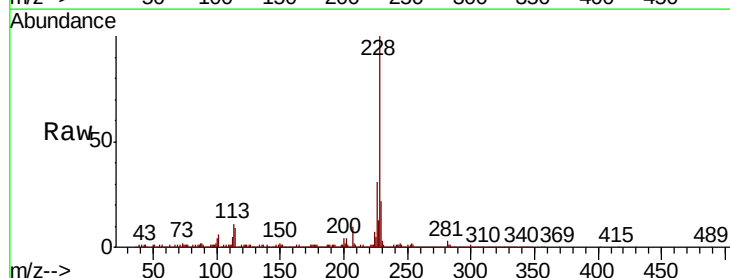
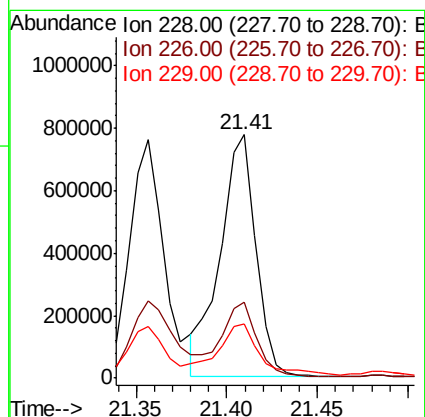
RT: 21.41 min Scan# 3132

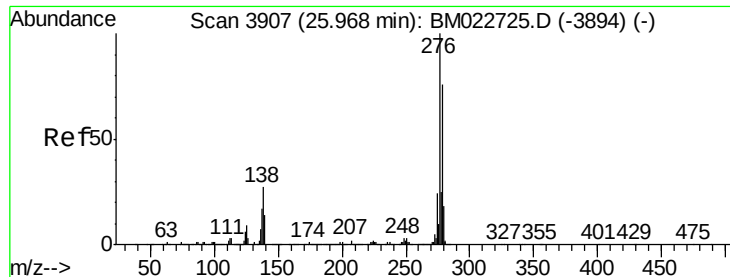
Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Tgt Ion:	228	Resp:	1060929
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.5	36.7
229	22.1	15.9	23.9





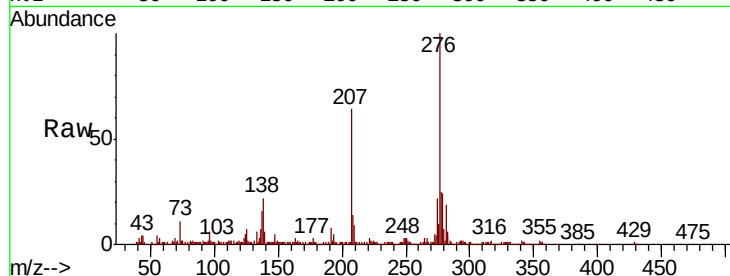
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.008 ng
RT: 25.95 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	21.2	0.0	0.0	
277	25.1	0.0	0.0	

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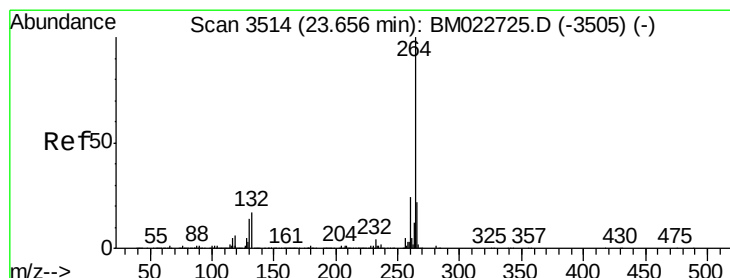
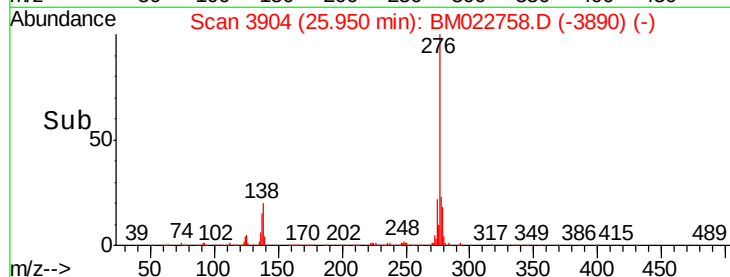
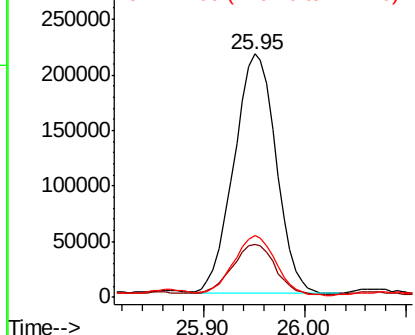


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

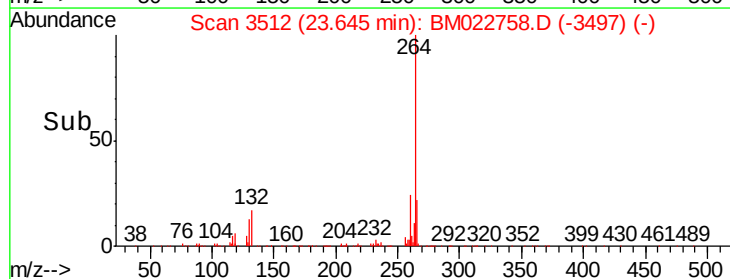
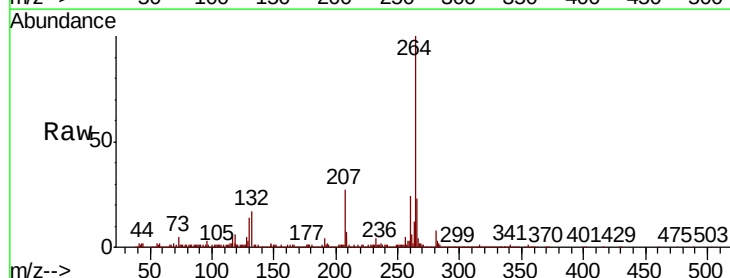
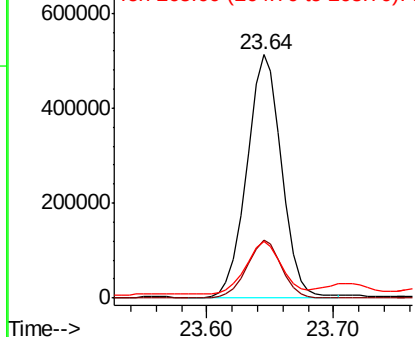
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.0	19.1	28.7	
265	23.5	17.9	26.9	

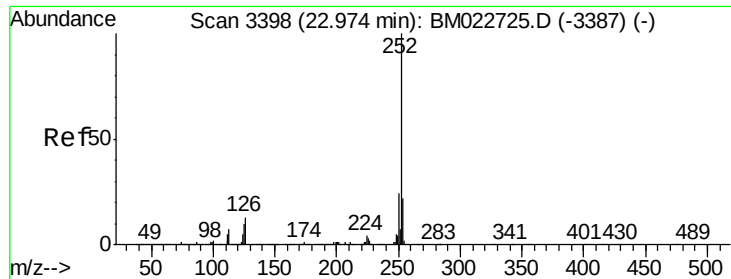
Abundance

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





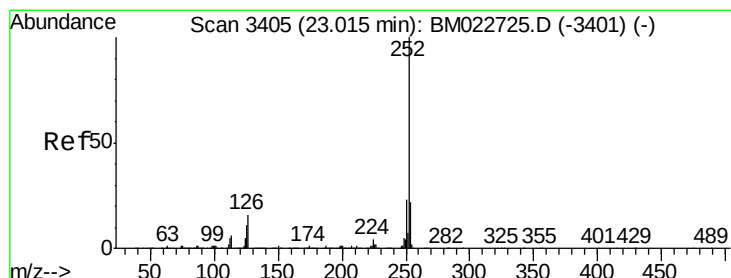
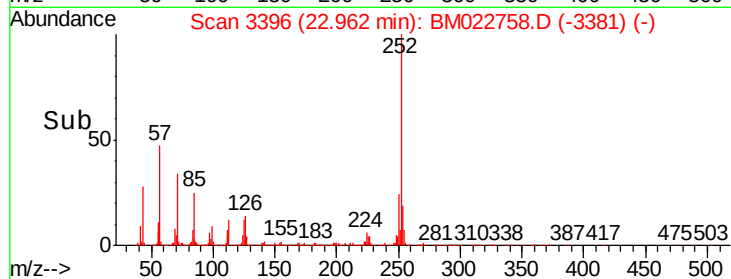
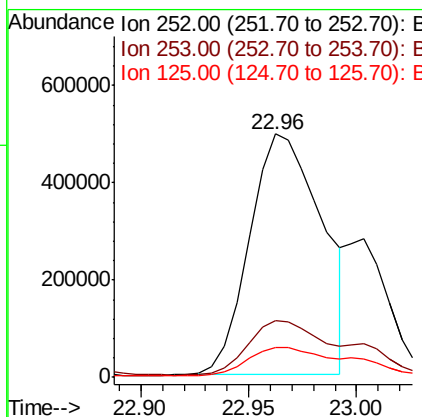
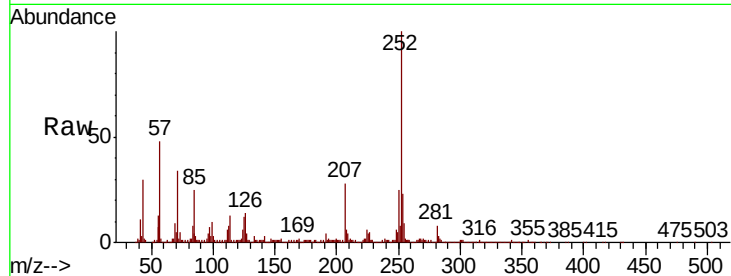
#88
Benzo(b)fluoranthene
Concen: 19.516 ng m
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Instrument :
BNA_M
ClientSampleId :
WC-09-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	12.3	8.2	12.4

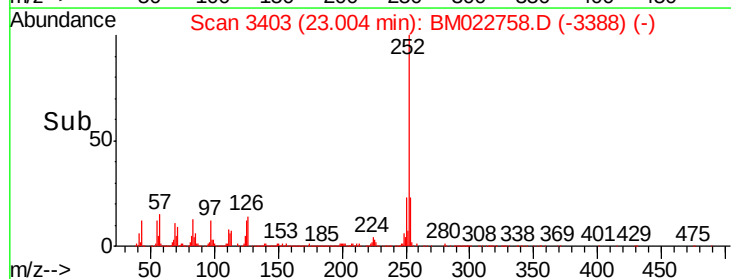
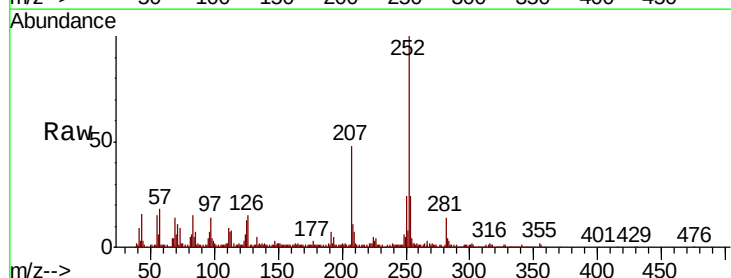
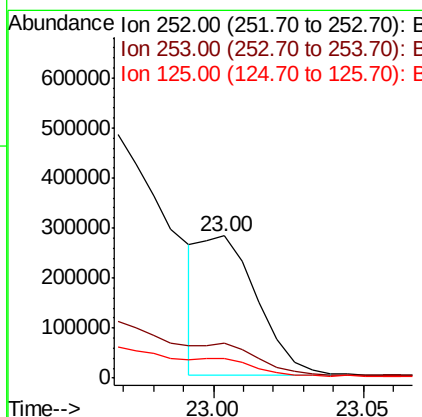
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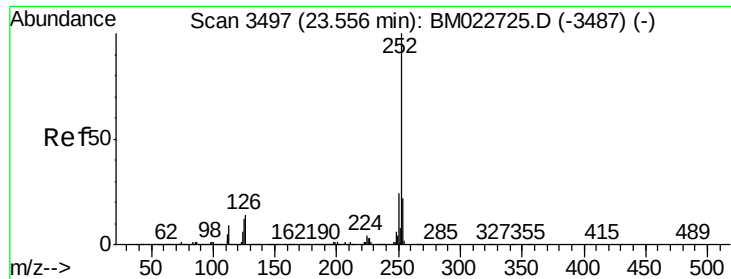
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#89
Benzo(k)fluoranthene
Concen: 6.202 ng m
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022758.D
Acq: 24 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	13.4	8.5	12.7#





#90

Benzo(a)pyrene

Concen: 17.004 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Instrument :

BNA_M

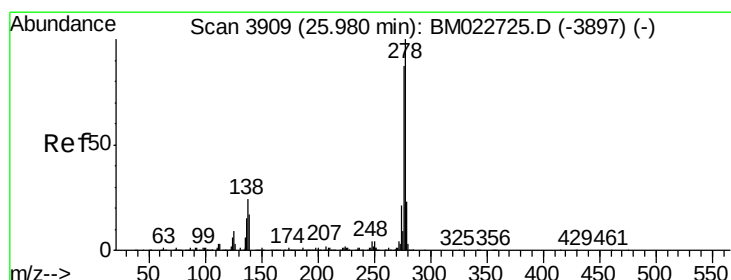
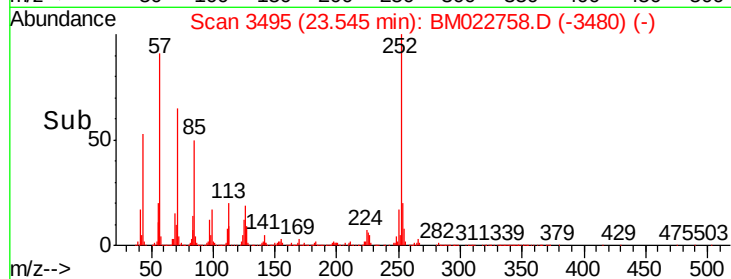
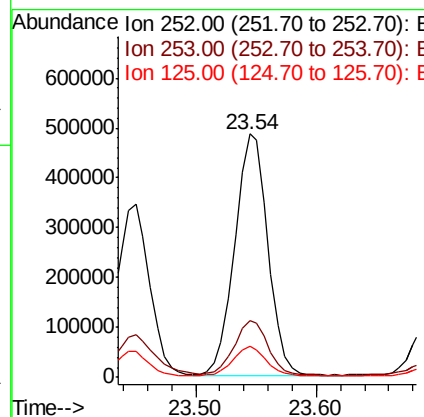
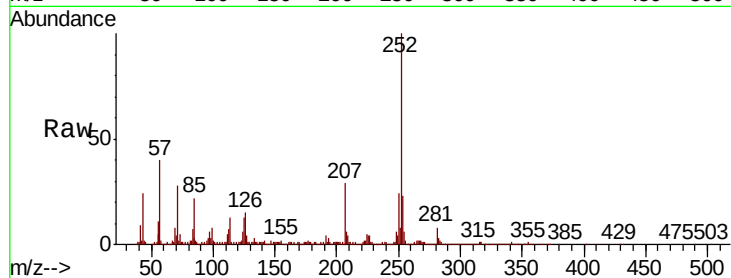
ClientSampleId :

WC-09-091919

Tot Ion:	252	Resp:	919010
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	12.7	9.3	13.9

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#91

Dibenzo(a,h)anthracene

Concen: 2.965 ng

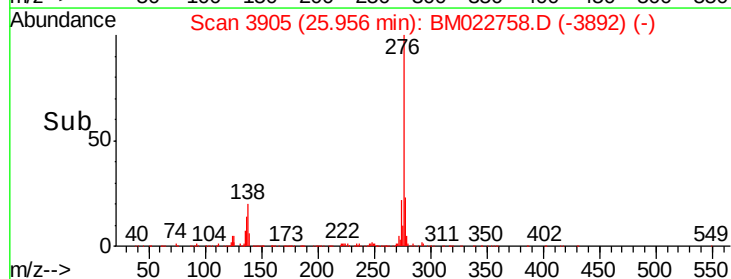
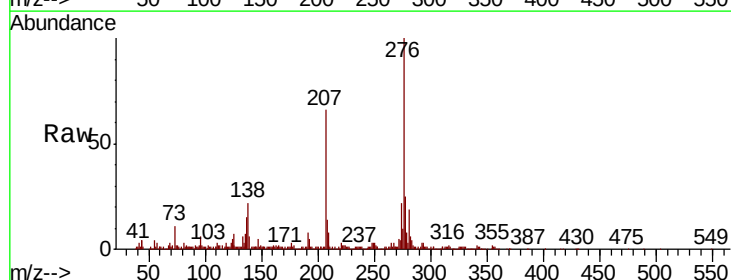
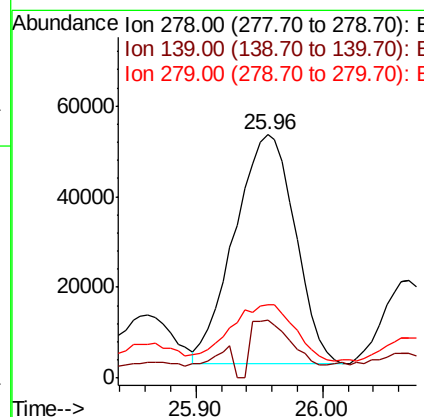
RT: 25.96 min Scan# 3905

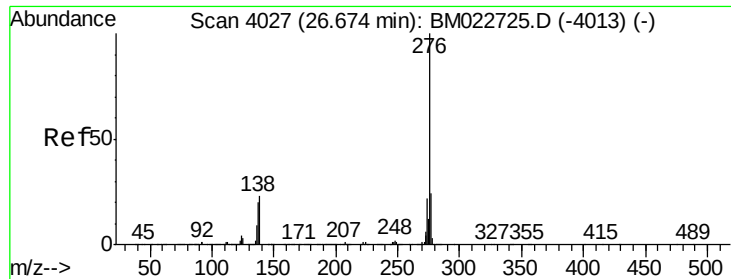
Delta R.T. -0.02 min

Lab File: BM022758.D

Acq: 24 Sep 2019 20:14

Tgt Ion:	278	Resp:	167601
Ion Ratio	Lower	Upper	
278	100		
139	24.1	13.7	20.5#
279	29.9	18.6	28.0#





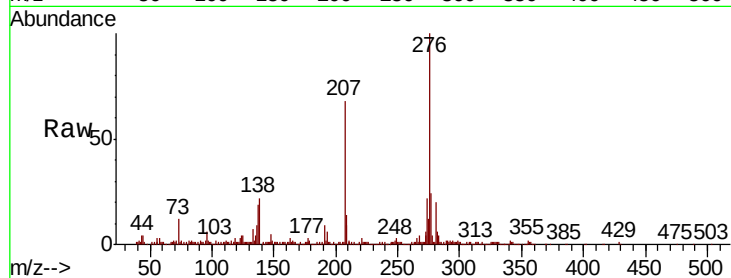
#92
 Benzo(a,h,i)perylene
 Concen: 12.377 ng
 RT: 26.66 min Scan# 4024
 Delta R.T. -0.02 min
 Lab File: BM022758.D
 Acq: 24 Sep 2019 20:14

Instrument :
 BNA_M
 ClientSampleId :
 WC-09-091919

Tot Ion:	276	Resp:	664616
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.1	28.7
138	22.0	18.5	27.7

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

