

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022757.D
 Acq On : 24 Sep 2019 19:37
 Operator : JU
 Sample : K4997-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-08-091919

Manual Integrations
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mohammad
 9/26/2019 8:25:27 AM

Quant Time: Sep 25 04:28:54 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	230721	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	893458	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	536227	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	1087199	20.00	ng	0.00
76) Chrysene-d12	21.37	240	933678	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1009639	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1252755	86.11	ng	0.00
7) Phenol-d6	6.99	99	1725357	92.34	ng	0.00
23) Nitrobenzene-d5	8.97	82	961405	59.73	ng	-0.01
42) 2,4,6-Tribromophenol	15.94	330	651326	97.30	ng	0.00
45) 2-Fluorobiphenyl	13.07	172	2328792	59.80	ng	-0.01
79) Terphenyl-d14	19.82	244	3367471	69.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
38) 1-Methylnaphthalene	12.49	142	75291	2.581	ng	100
49) Acenaphthylene	14.17	152	712121	14.538	ng	99
50) Dimethylphthalate	13.90	163	311749	8.045	ng	99
58) Fluorene	15.50	166	138073	3.632	ng	# 94
71) Phenanthrene	17.23	178	2433726	39.672	ng	100
72) Anthracene	17.32	178	529546	8.907	ng	99
75) Fluoranthene	19.25	202	3363380	48.587	ng	98
78) Pyrene	19.62	202	4408412	72.047	ng	98
81) Benzo(a)anthracene	21.36	228	1659687	27.427	ng	92
83) Chrysene	21.41	228	1961253	33.431	ng	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	986136	14.083	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1788594m	29.259	ng	
89) Benzo(k)fluoranthene	23.00	252	586485m	9.669	ng	
90) Benzo(a)pyrene	23.54	252	1502272	26.669	ng	97
91) Dibenzo(a,h)anthracene	25.96	278	268678	4.560	ng	# 85
92) Benzo(g,h,i)perylene	26.66	276	1106903	19.779	ng	99

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

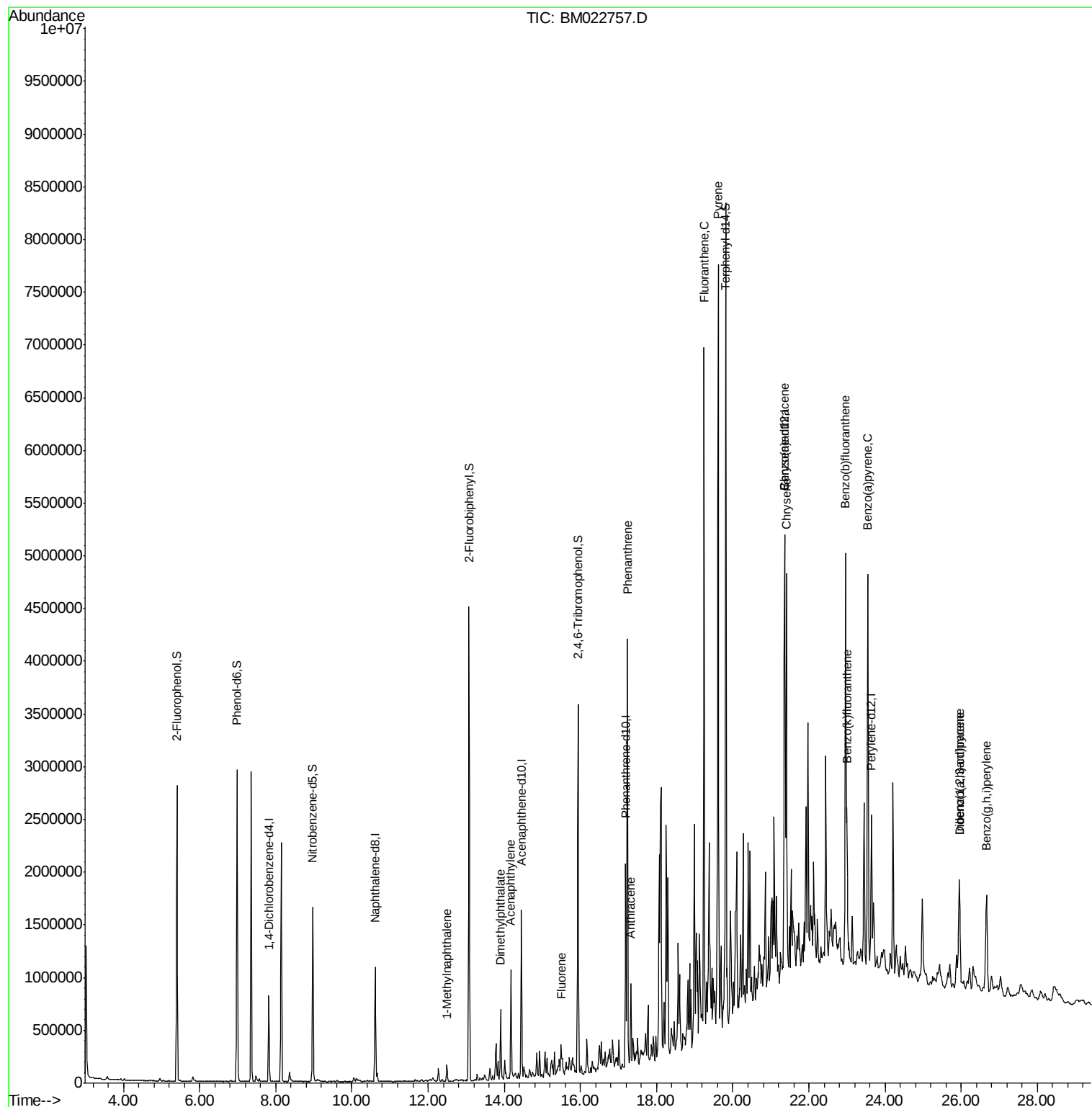
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
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ALS Vial : 9 Sample Multiplier: 1

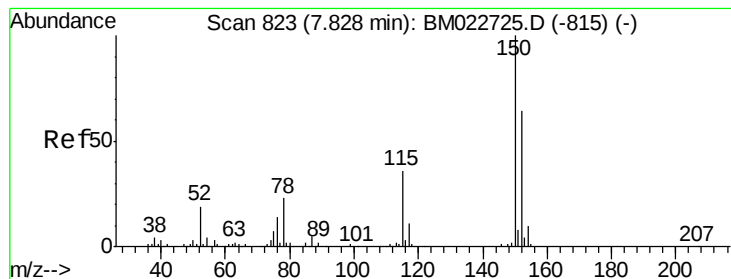
Instrument :
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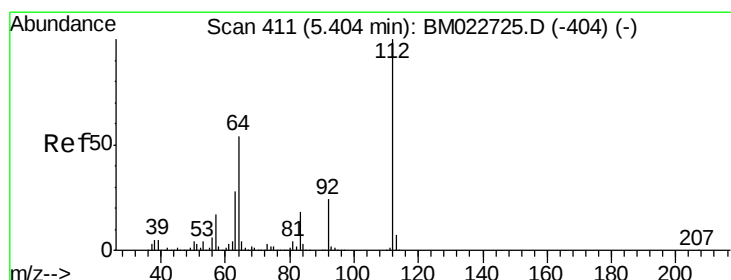
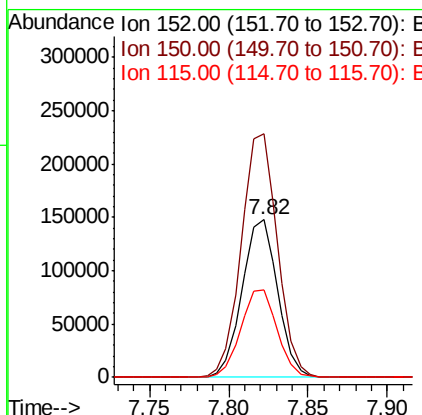
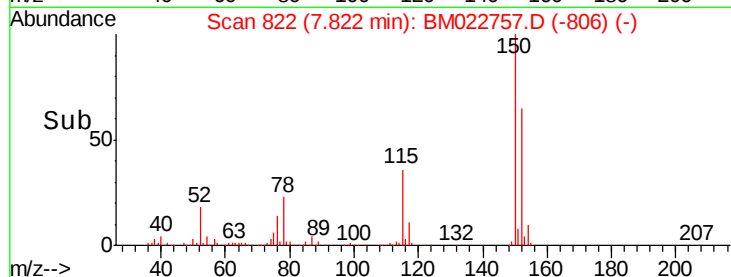
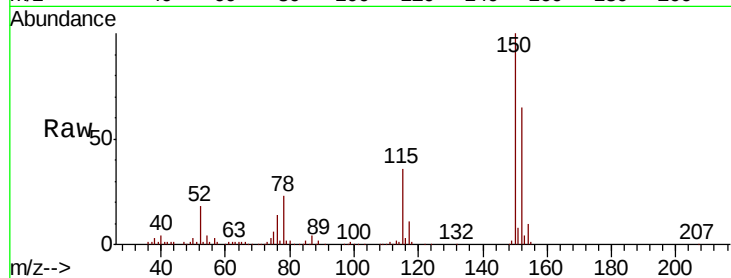
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BM022757.D
 Acq: 24 Sep 2019 19:37

Instrument :
 BNA_M
 ClientSampleId :
 WC-08-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.5	186.7
115	55.8	45.0	67.4

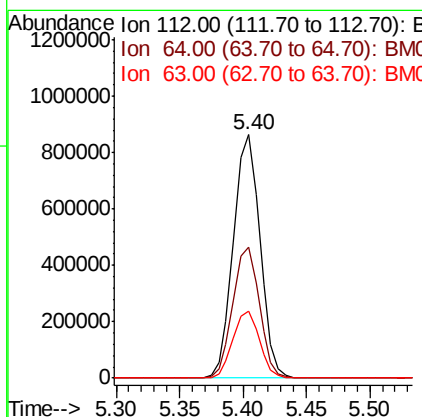
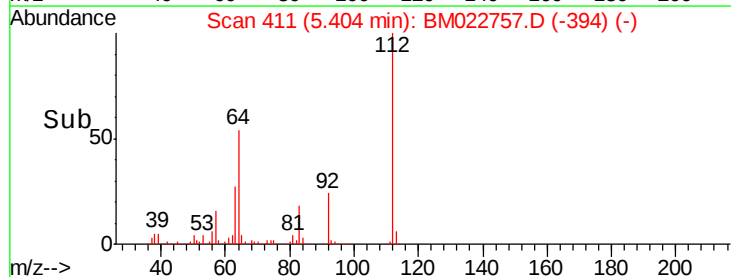
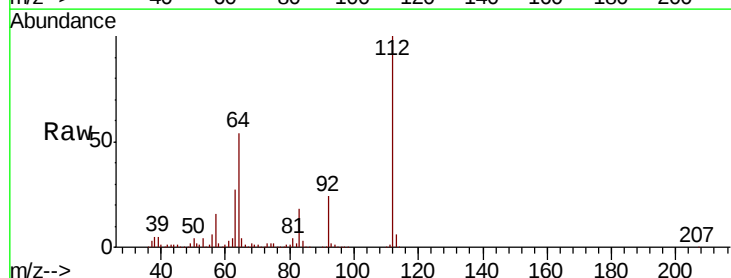
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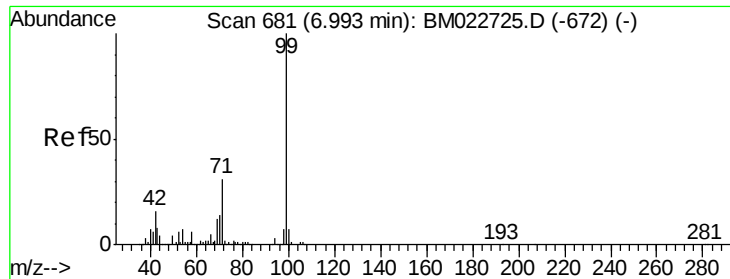
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#5
 2-Fluorophenol
 Concen: 86.114 ng
 RT: 5.40 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: BM022757.D
 Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	43.4	65.2
63	27.5	22.1	33.1





#7

Phenol-d6

Concen: 92.340 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Instrument :

BNA_M

ClientSampled :

WC-08-091919

Tot Ion: 99 Resp: 1725357

Ion Ratio Lower Upper

99 100

42 16.0 13.0 19.4

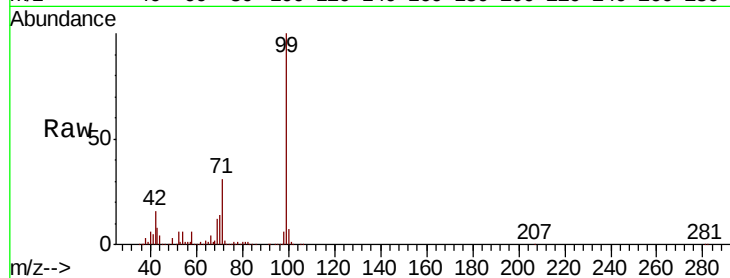
71 31.0 24.7 37.1

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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) (-)

1500000

1000000

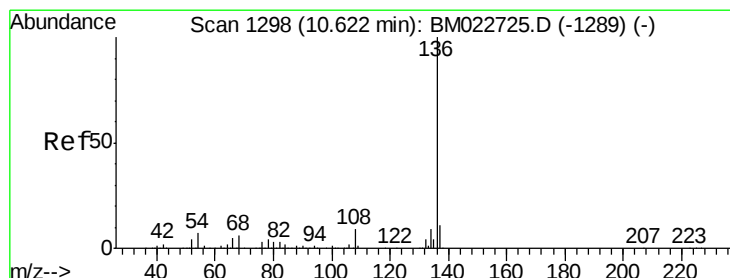
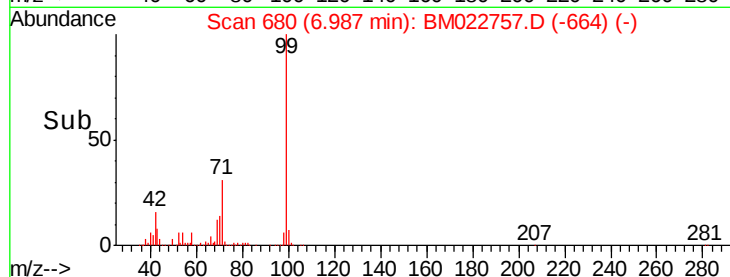
500000

0

6.99

6.90 6.95 7.00 7.05 7.10

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Tgt Ion: 136 Resp: 893458

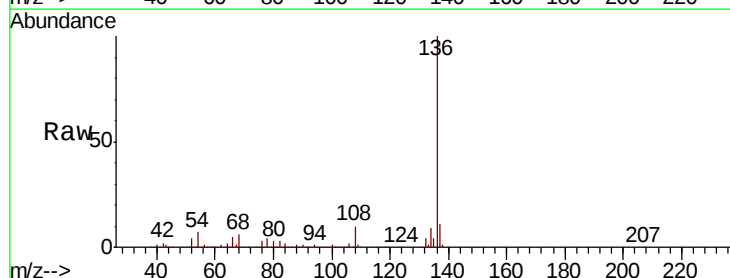
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.3 6.0 9.0

68 5.9 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) (-)

800000

600000

400000

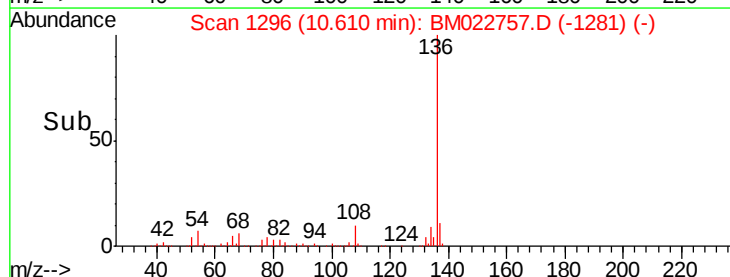
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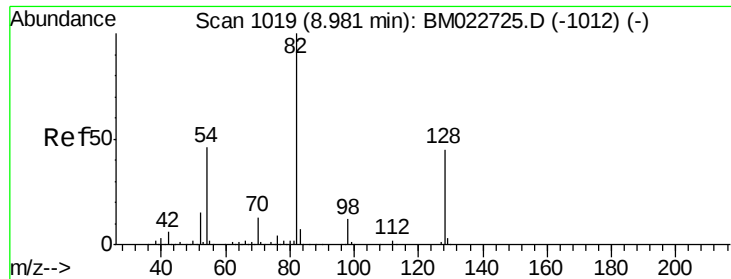
0

10.61

10.50 10.60 10.70

Time-->





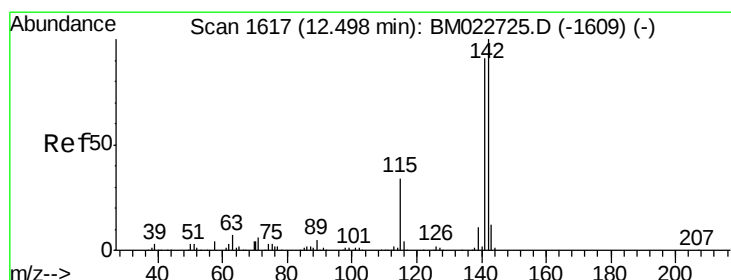
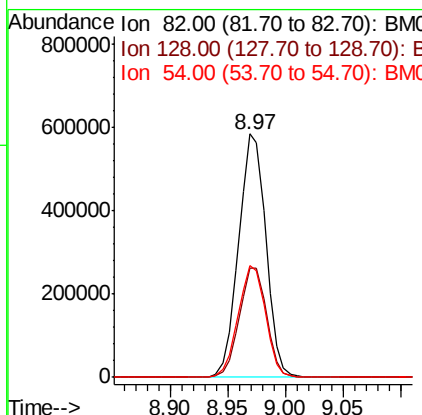
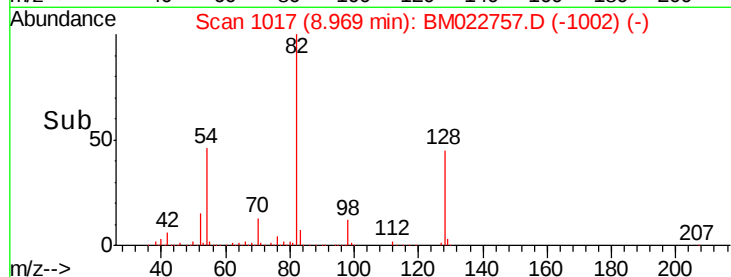
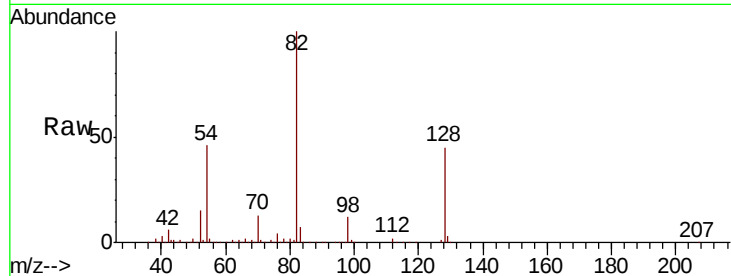
#23
Nitrobenzene-d5
Concen: 59.732 ng
RT: 8.97 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
82	100	961405		
128	44.7	36.0	54.0	
54	46.0	37.1	55.7	

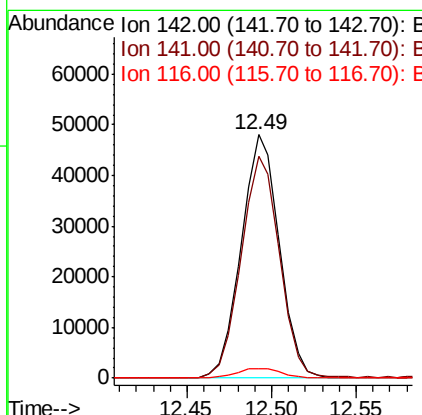
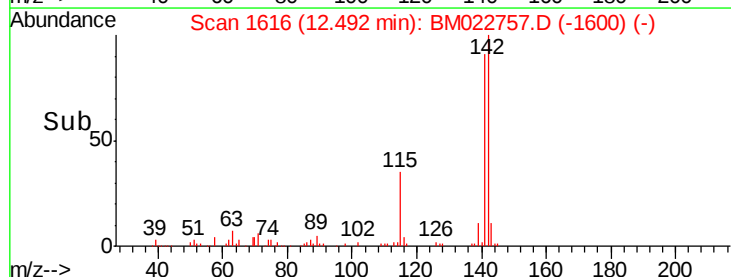
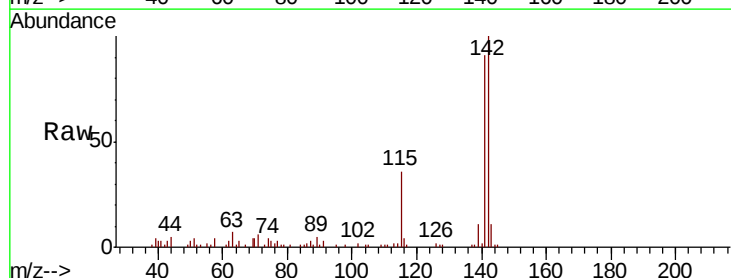
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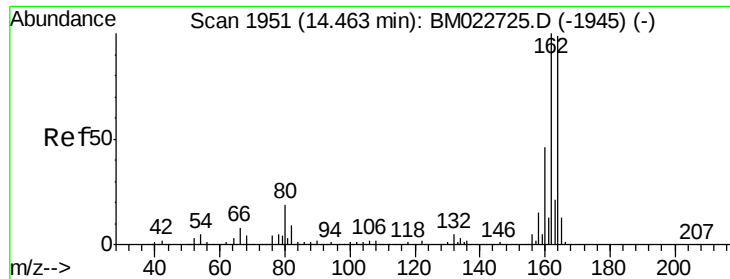
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#38
1-Methylnaphthalene
Concen: 2.581 ng
RT: 12.49 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	75291		
141	90.9	73.0	109.4	
116	4.1	2.9	4.3	





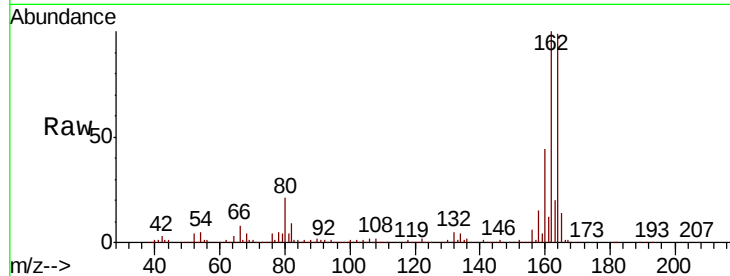
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.1	121.7	
160	44.8	36.9	55.3	

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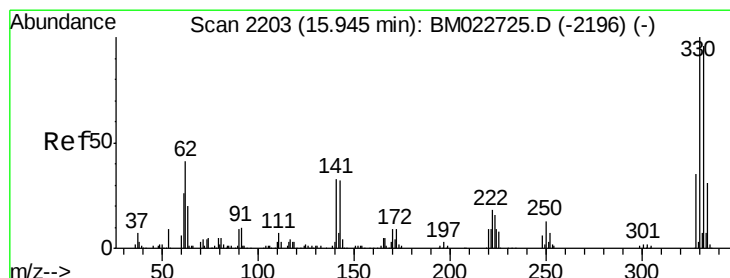
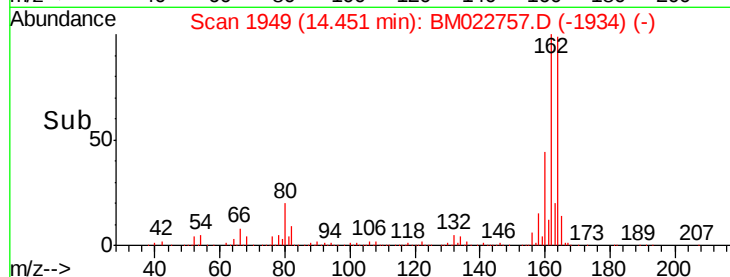
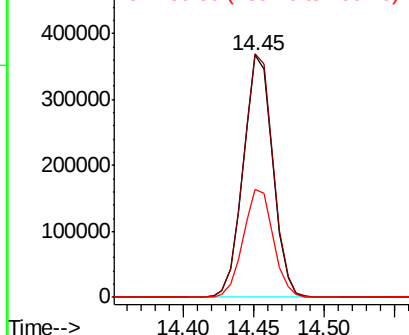


Abundance

Ion 164.00 (163.70 to 164.70): E

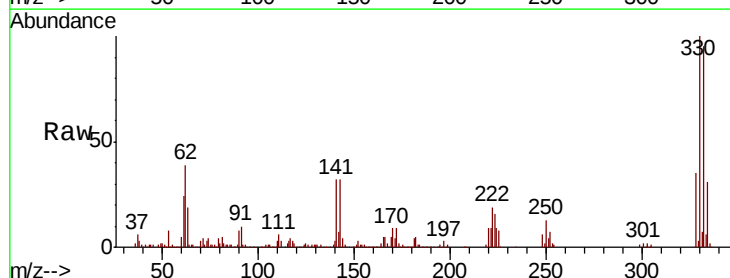
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 97.301 ng
RT: 15.94 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.9	115.3	
141	34.7	28.6	42.8	

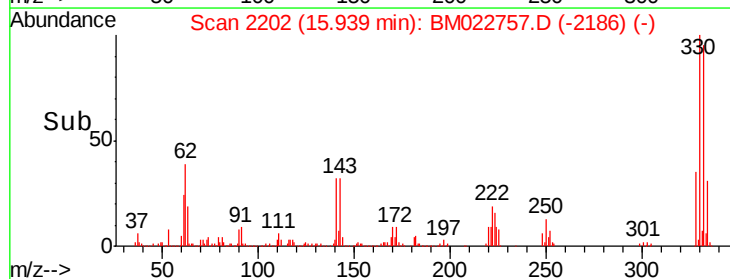
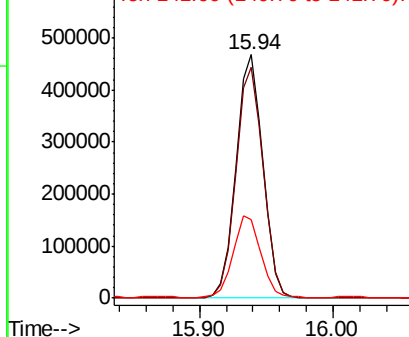


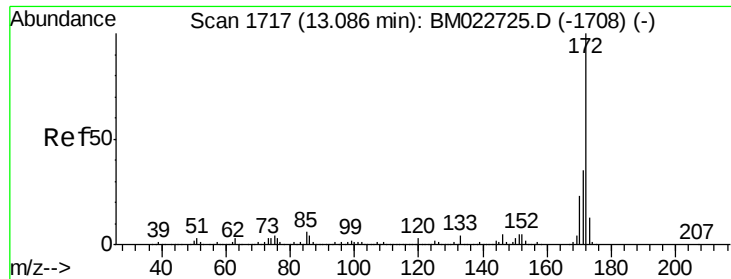
Abundance

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





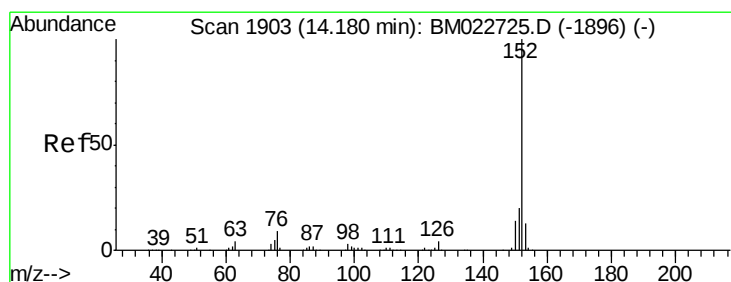
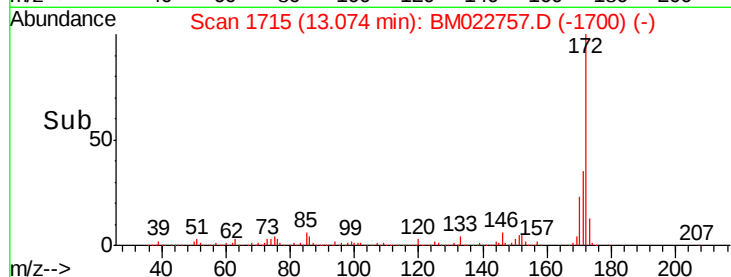
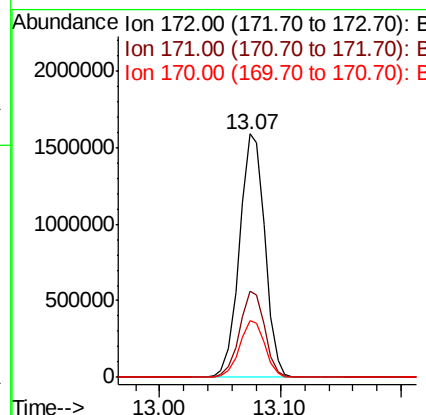
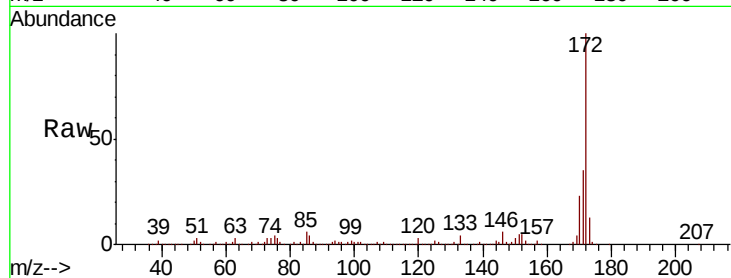
#45
2-Fluorobiphenyl
Concen: 59.804 ng
RT: 13.07 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.8	41.8
170	23.2	18.7	28.1

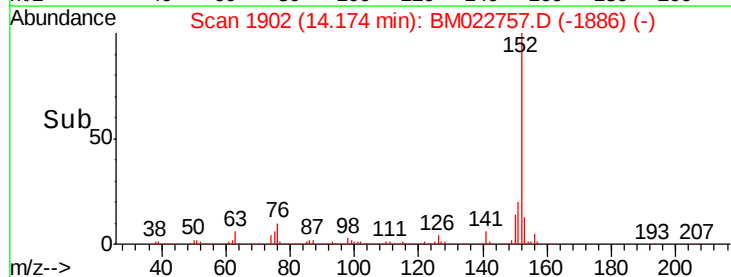
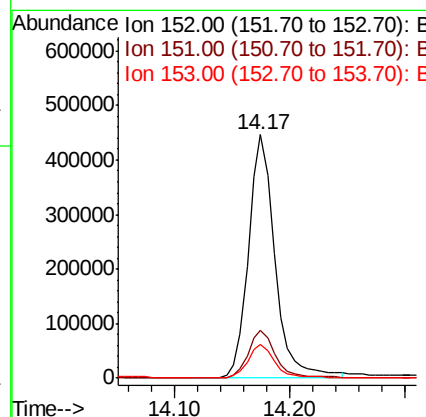
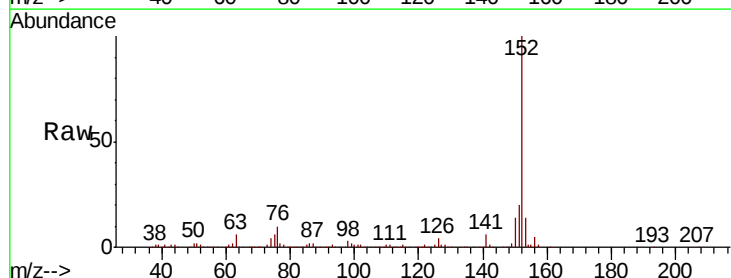
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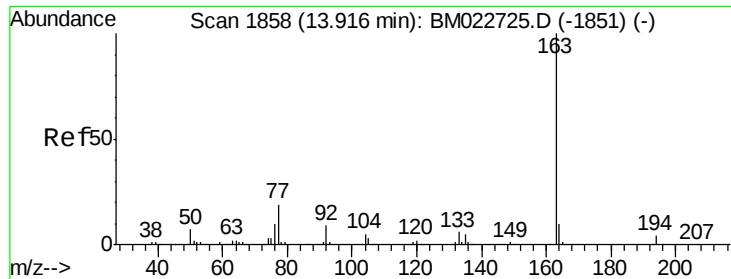
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#49
Acenaphthylene
Concen: 14.538 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.8	10.5	15.7





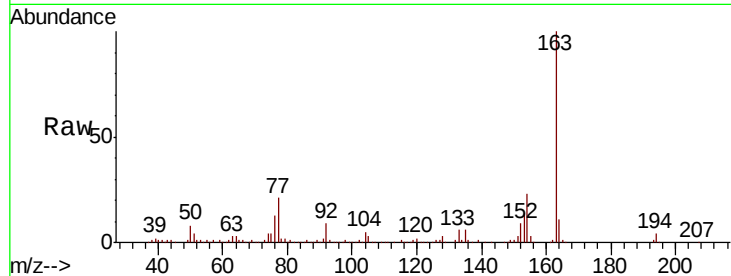
#50
Dimethylphthalate
Concen: 8.045 ng
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

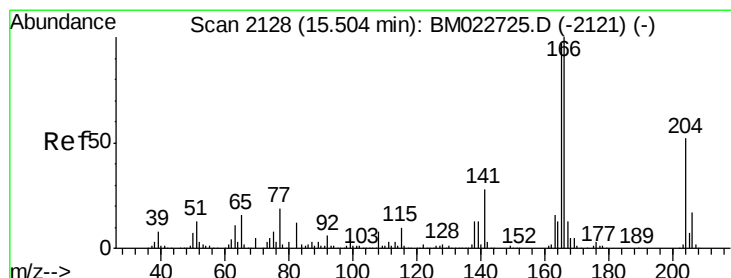
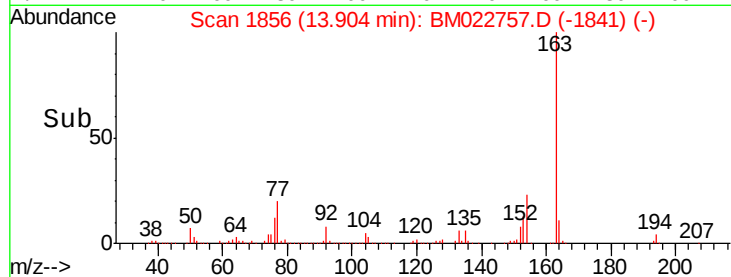
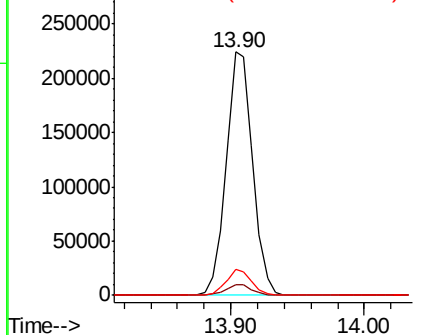
Tot Ion	Ratio	Resp	Lower	Upper
163	100	311749		
194	4.2		3.3	4.9
164	10.7		8.2	12.2

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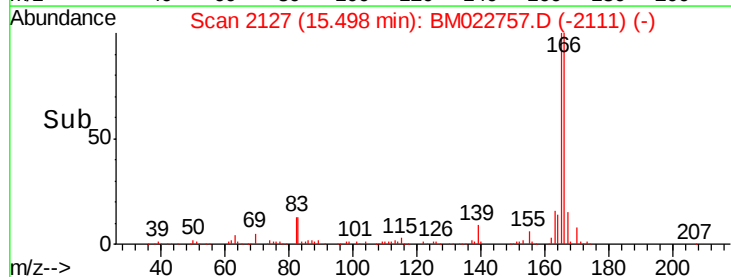
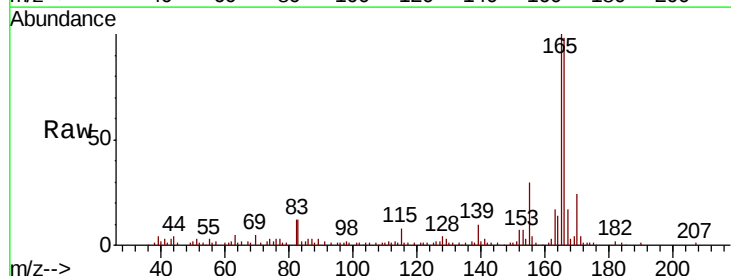
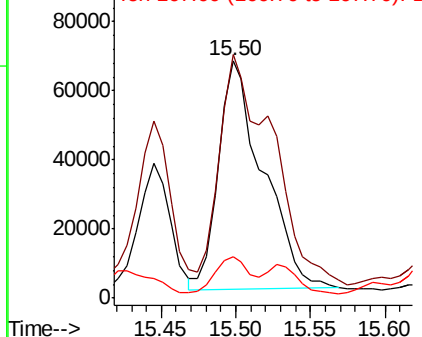
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

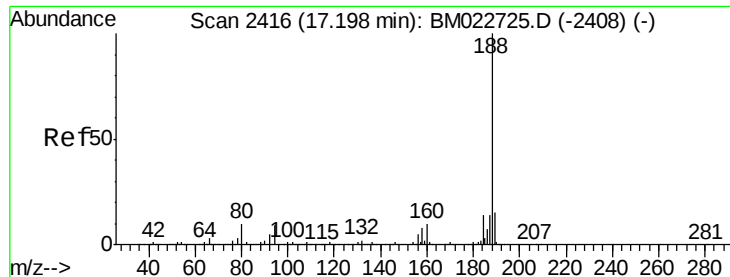


#58
Fluorene
Concen: 3.632 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	138073		
165	102.5		77.6	116.4
167	17.3		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: BM022757.D

Acq: 24 Sep 2019 19:37

Instrument :

BNA_M

ClientSampled :

WC-08-091919

Tot Ion:188 Resp: 1087199

Ion Ratio Lower Upper

188 100

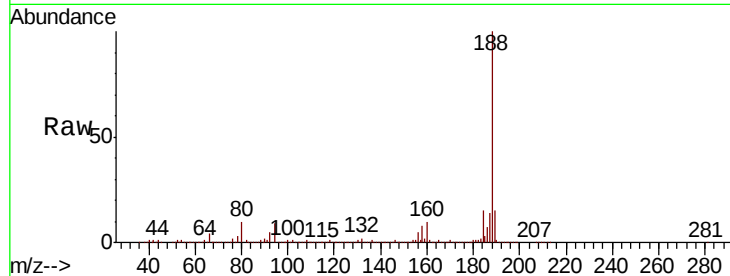
94 9.0 7.3 10.9

80 10.1 7.8 11.8

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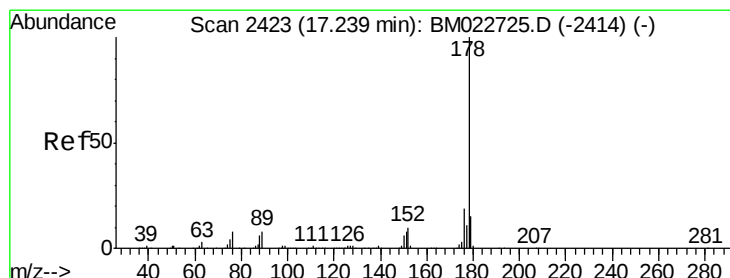
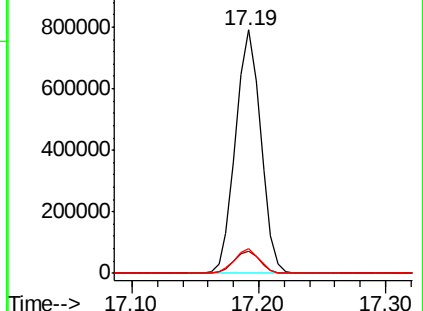
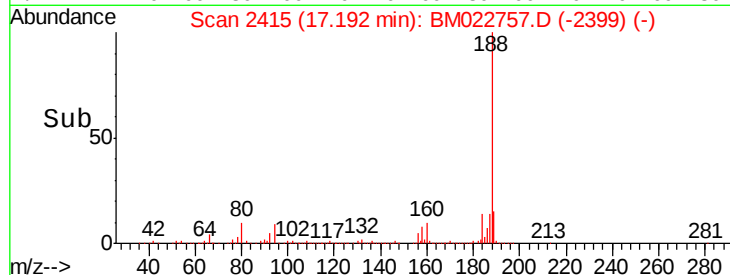
9/26/2019 8:25:27 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 39.672 ng

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

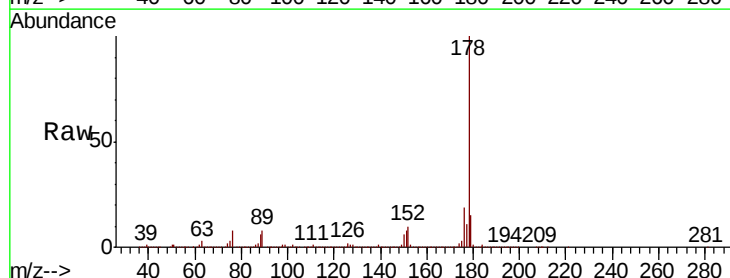
Tgt Ion:178 Resp: 2433726

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

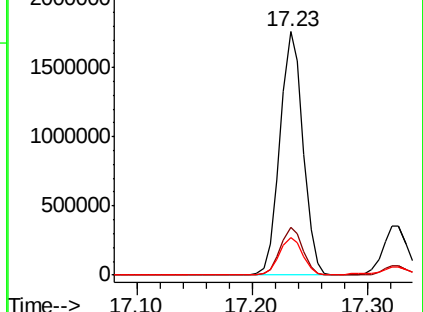
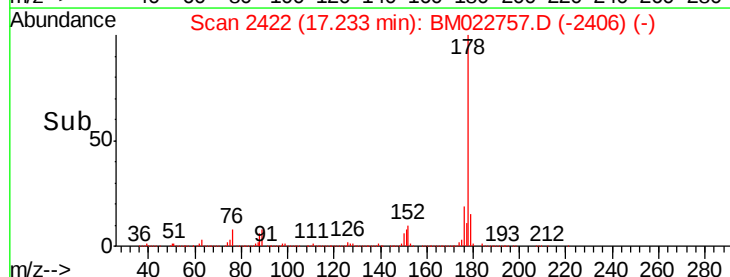
179 15.4 12.3 18.5

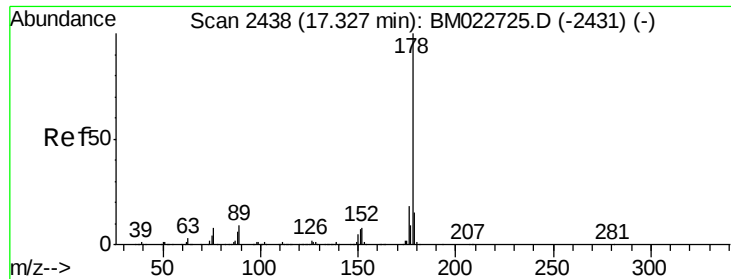


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 8.907 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Instrument :

BNA_M

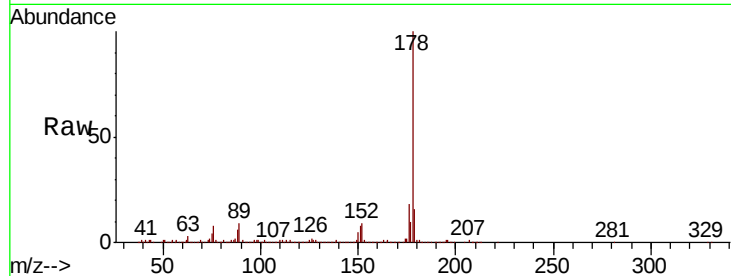
ClientSampleId :

WC-08-091919

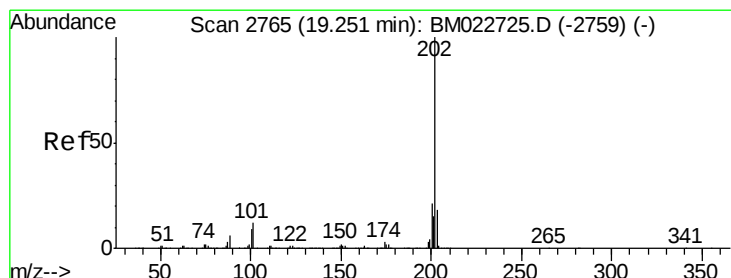
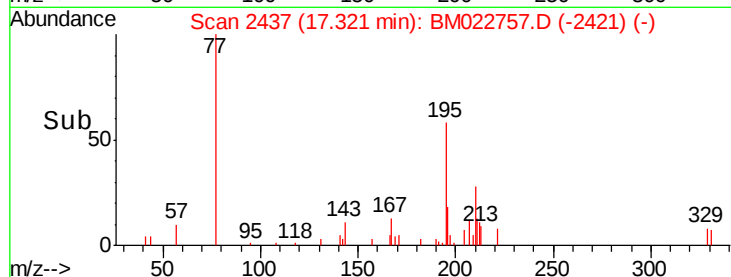
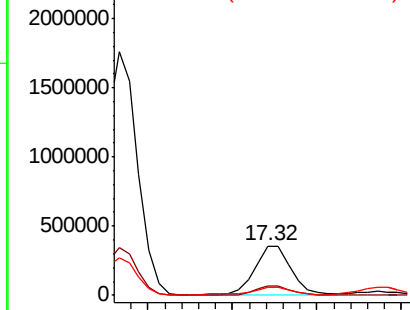
Tot Ion:	178	Resp:	529546
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.7	22.1
179	15.8	12.2	18.4

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



#75

Fluoranthene

Concen: 48.587 ng

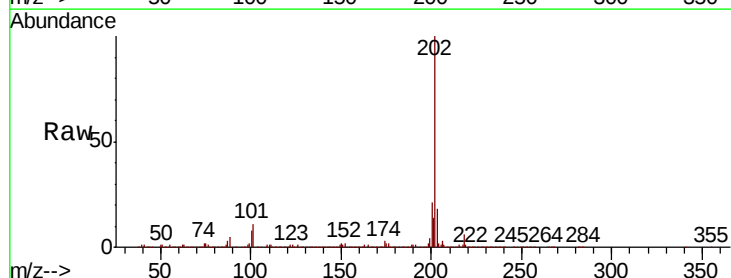
RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

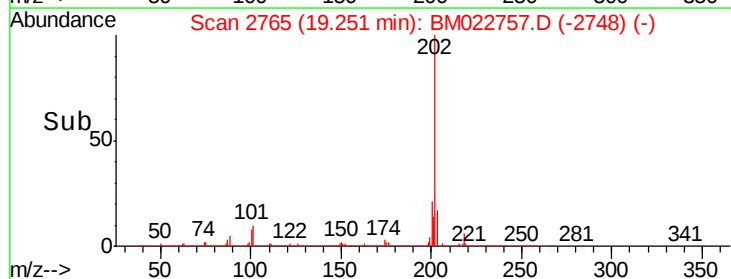
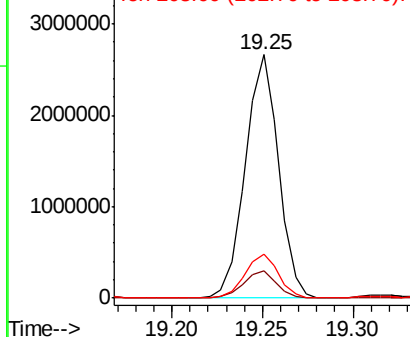
Lab File: BM022757.D

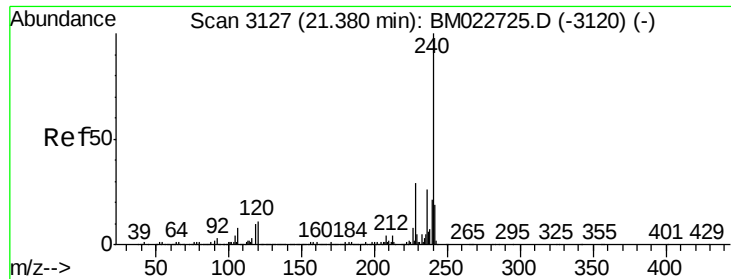
Acq: 24 Sep 2019 19:37

Tgt Ion:	202	Resp:	3363380
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.1
203	18.1	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





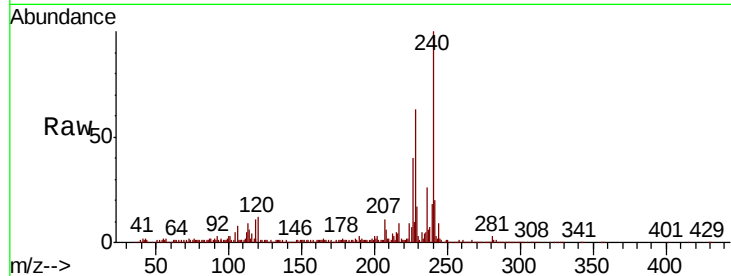
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.8	13.2
236	26.2	20.8	31.2

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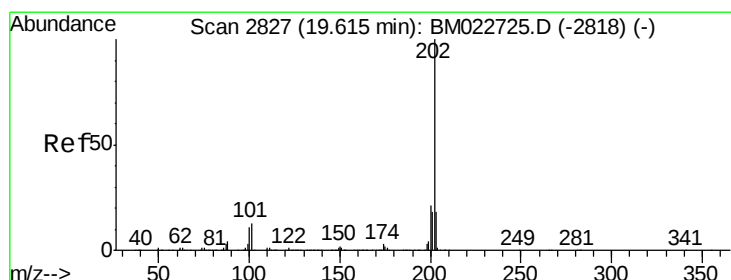
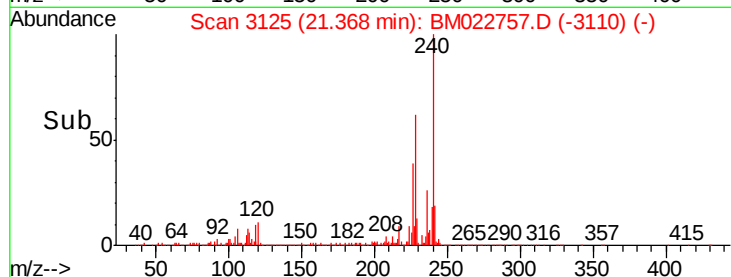
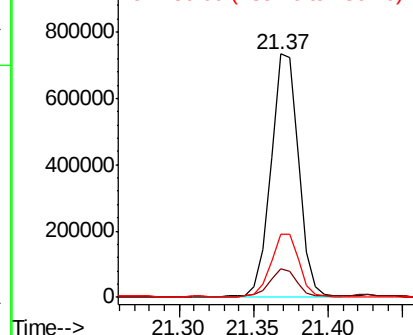


Abundance

Ion 240.00 (239.70 to 240.70): E

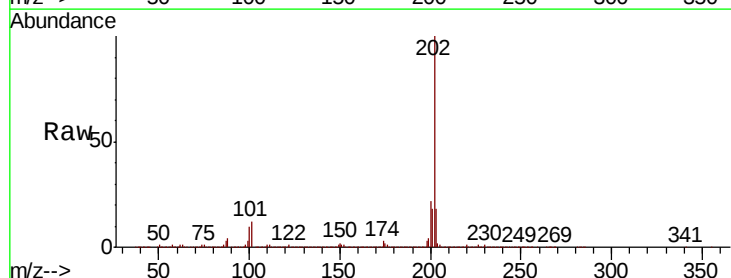
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 72.047 ng
RT: 19.62 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.7	25.1
203	18.1	14.1	21.1

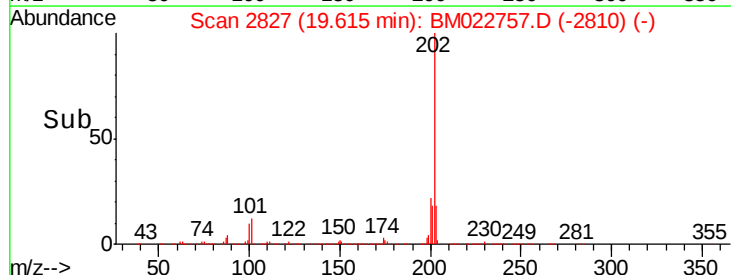
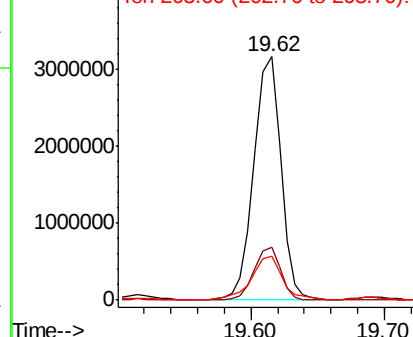


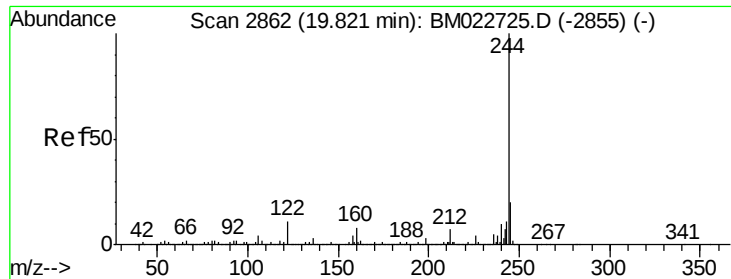
Abundance

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: 69.839 ng

RT: 19.82 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Instrument :

BNA_M

ClientSampleId :

WC-08-091919

Tot Ion:244 Resp: 3367471

Ion Ratio Lower Upper

244 100

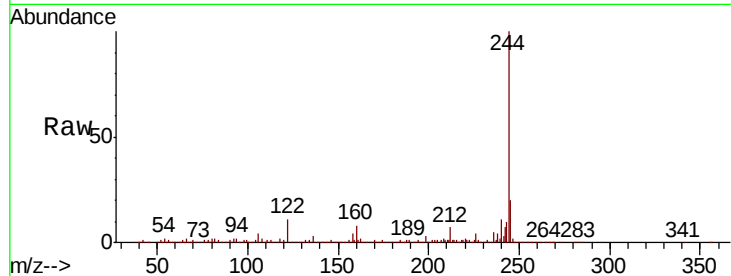
212 7.4 5.9 8.9

122 10.7 9.0 13.4

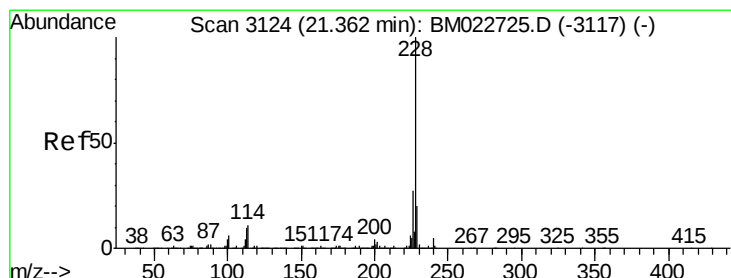
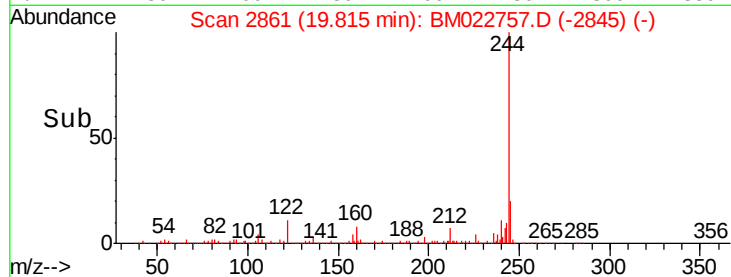
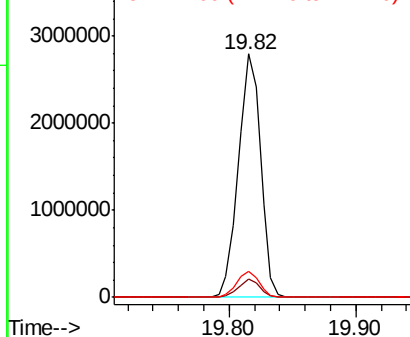
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 27.427 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

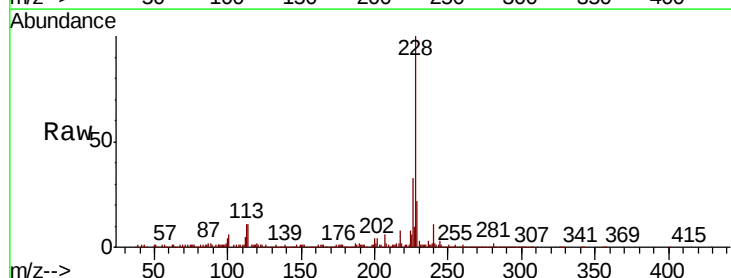
Tgt Ion:228 Resp: 1659687

Ion Ratio Lower Upper

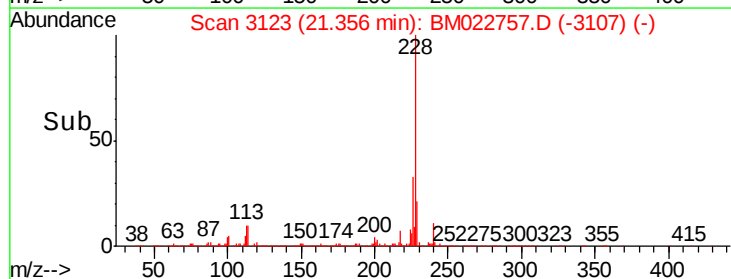
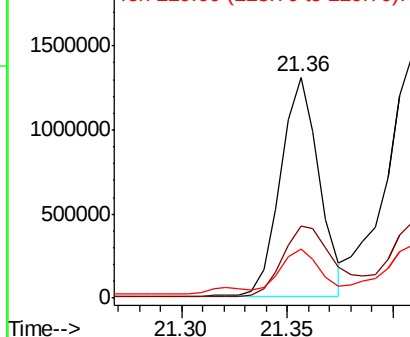
228 100

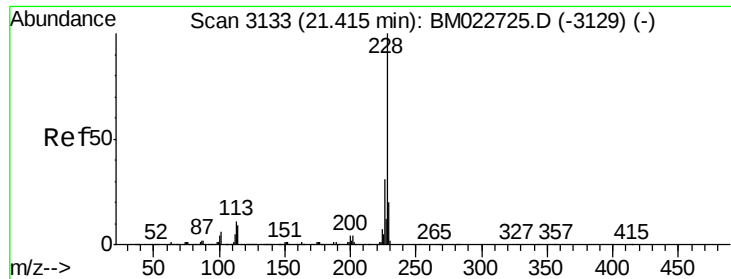
226 32.9 22.0 33.0

229 22.4 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





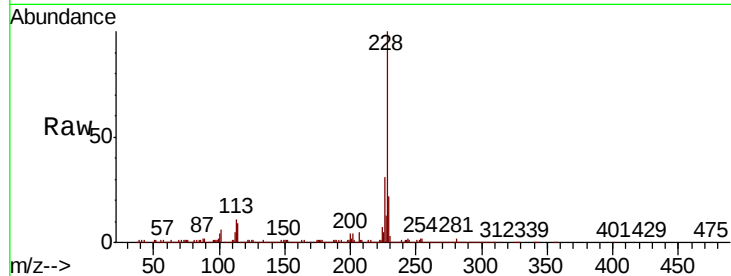
#83
 Chrvsene
 Concen: 33.431 ng
 RT: 21.41 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BM022757.D
 Acq: 24 Sep 2019 19:37

Instrument :
 BNA_M
 ClientSampleId :
 WC-08-091919

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	21.9	15.9	23.9

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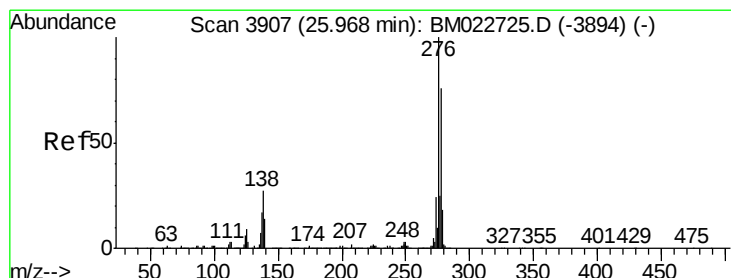
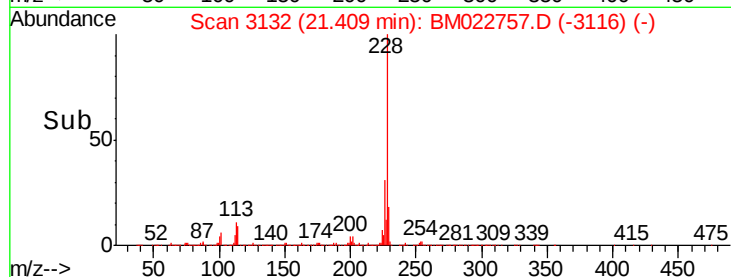
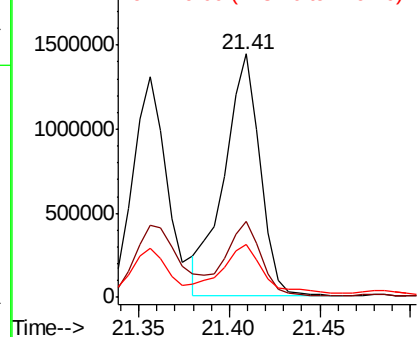


Abundance

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



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 14.083 ng
 RT: 25.96 min Scan# 3905
 Delta R.T. -0.01 min
 Lab File: BM022757.D
 Acq: 24 Sep 2019 19:37

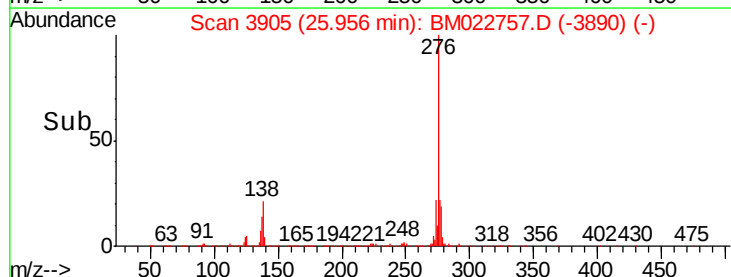
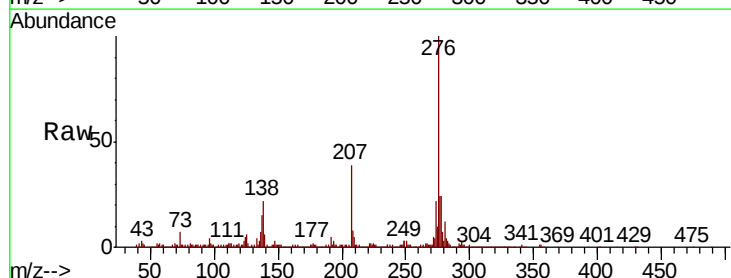
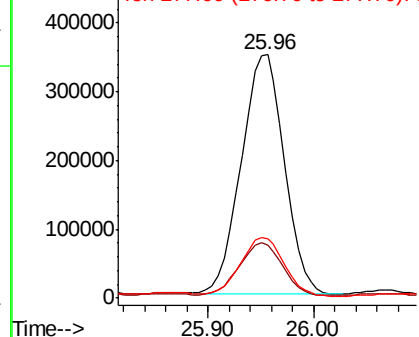
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	0.0	0.0#
277	25.0	0.0	0.0#

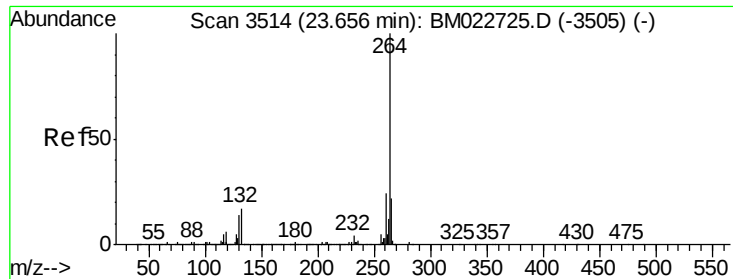
Abundance

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





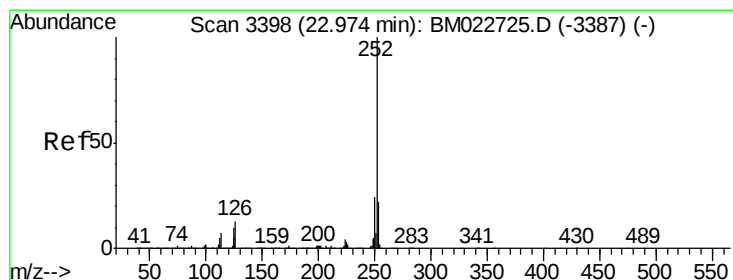
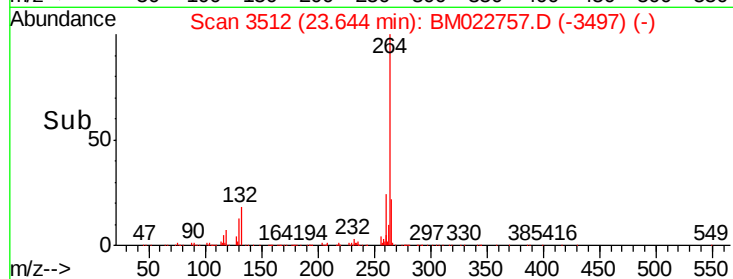
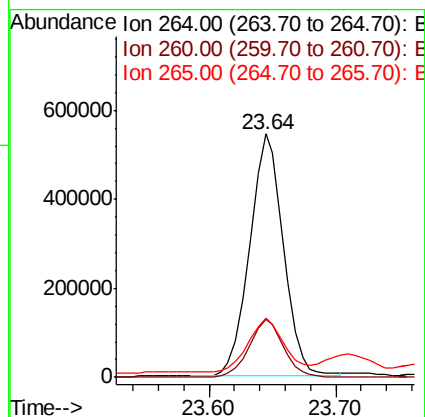
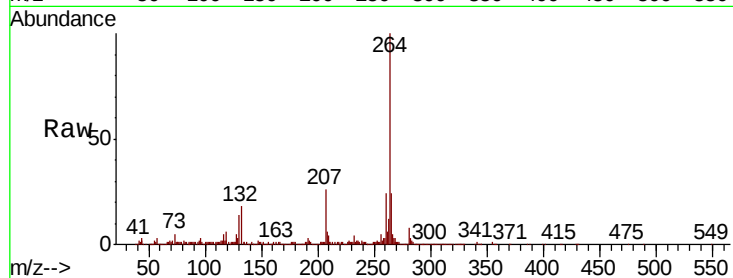
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	24.3	17.9	26.9

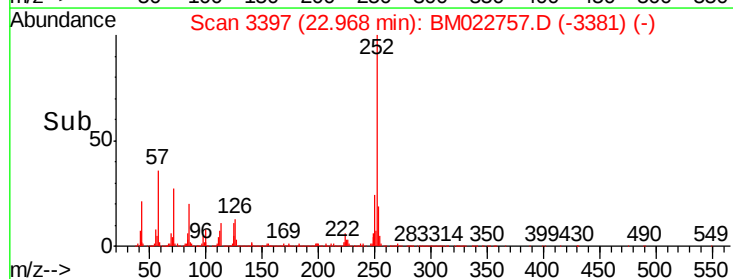
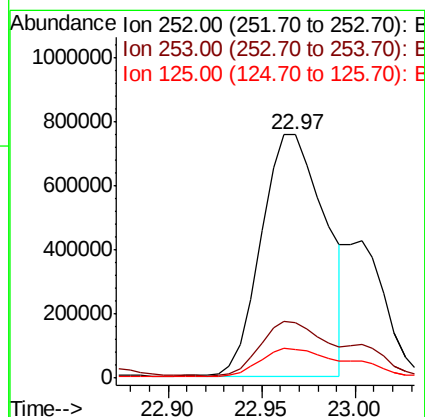
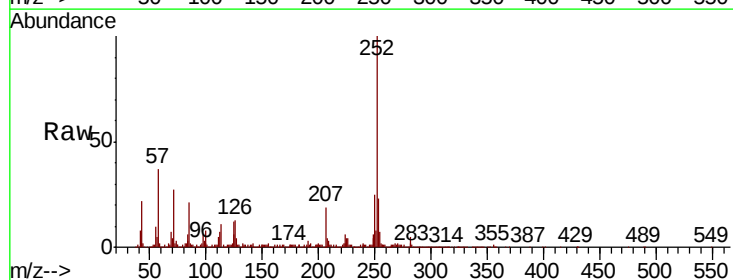
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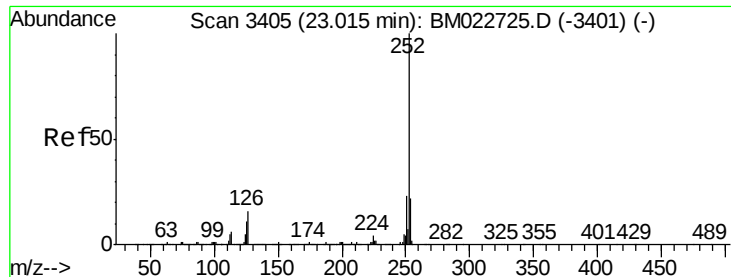
mohammad
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#88
Benzo(b)fluoranthene
Concen: 29.259 ng m
RT: 22.97 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.0	8.2	12.4





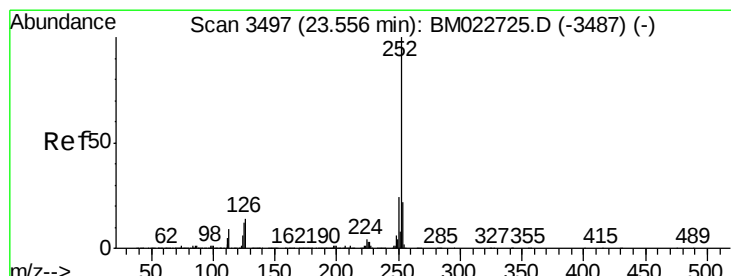
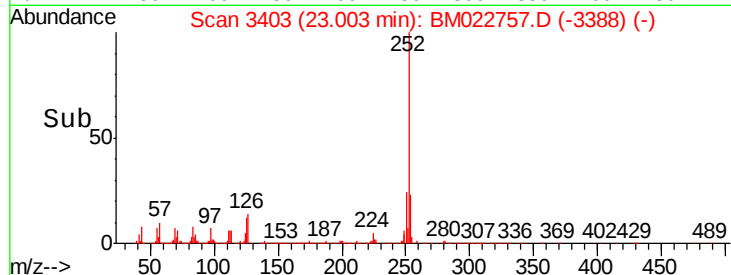
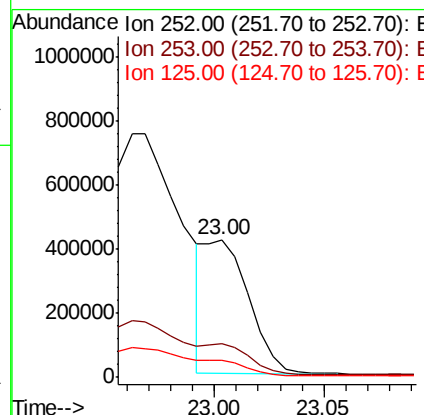
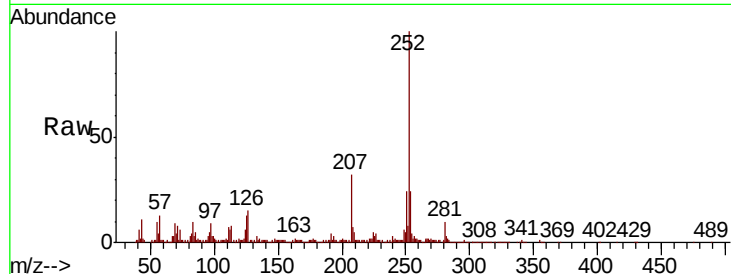
#89
Benzo(k)fluoranthene
Concen: 9.669 ng m
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Instrument :
BNA_M
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	12.6	8.5	12.7

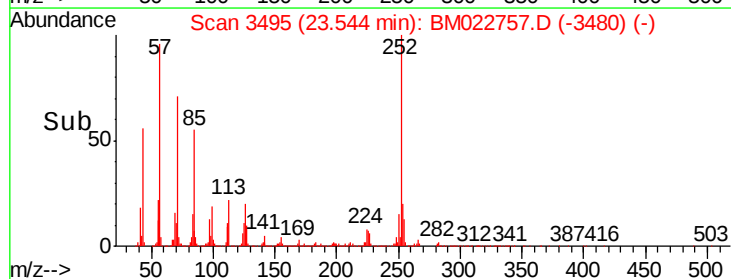
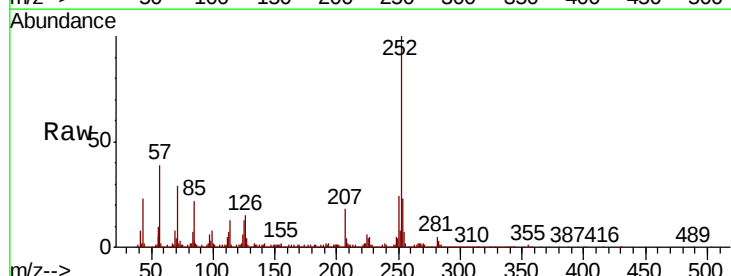
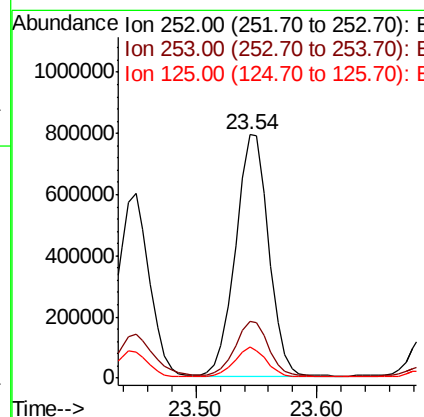
Manual Integrations
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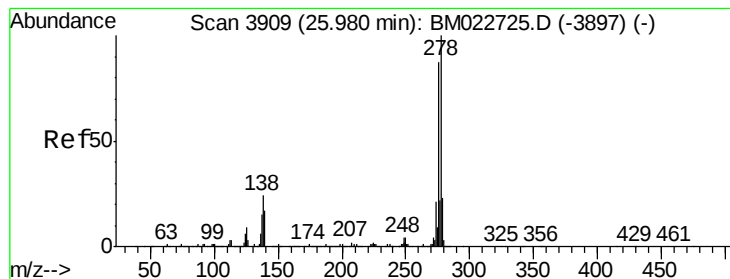
mohammad
9/26/2019 8:25:27 AM



#90
Benzo(a)pyrene
Concen: 26.669 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022757.D
Acq: 24 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.6	9.3	13.9





#91

Dibenzo(a,h)anthracene

Concen: 4.560 ng

RT: 25.96 min Scan# 3905

Delta R.T. -0.02 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Instrument :

BNA_M

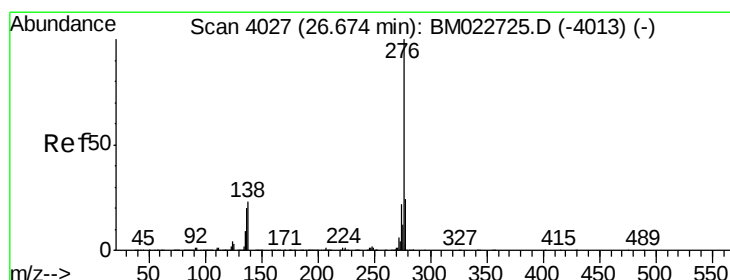
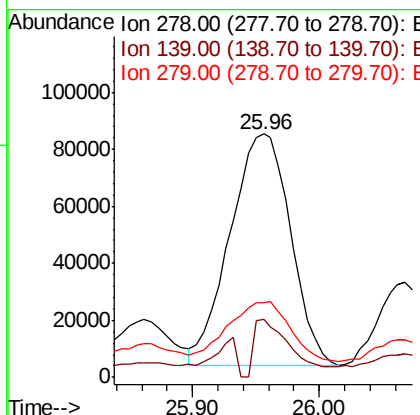
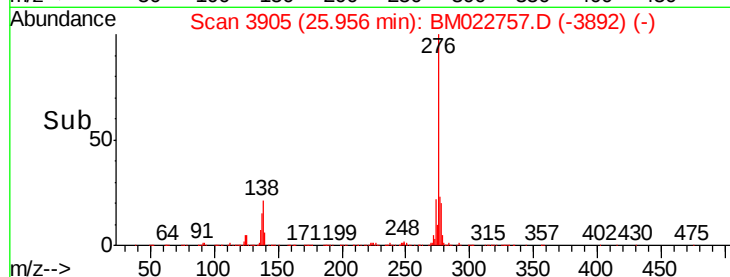
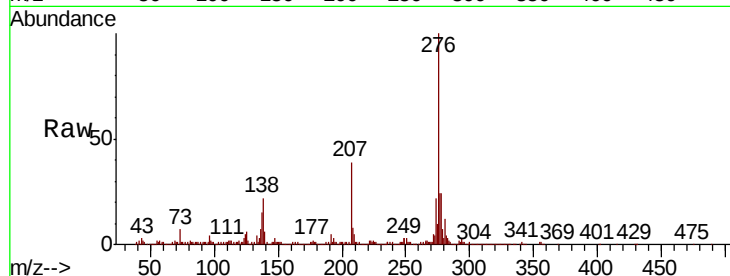
ClientSampleId :

WC-08-091919

Tot Ion:	278	Resp:	268678
Ion Ratio	Lower	Upper	
278	100		
139	23.8	13.7	20.5#
279	30.5	18.6	28.0#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 19.779 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.01 min

Lab File: BM022757.D

Acq: 24 Sep 2019 19:37

Tgt Ion:	276	Resp:	1106903
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.1	28.7
138	22.0	18.5	27.7

