

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022761.D
 Acq On : 24 Sep 2019 22:04
 Operator : JU
 Sample : K4997-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Manual Integrations
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mohammad
 9/26/2019 8:25:33 AM

Quant Time: Sep 25 04:45:28 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	238772	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	913067	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	551200	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	1143742	20.00	ng	0.00
76) Chrysene-d12	21.37	240	964720	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1011030	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1965552	130.56	ng	0.00
7) Phenol-d6	6.99	99	2700643	139.66	ng	0.00
23) Nitrobenzene-d5	8.97	82	1506029	91.56	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	1038593	150.94	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3784539	94.55	ng	0.00
79) Terphenyl-d14	19.82	244	5703794	114.49	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	229717	4.562	ng	99
50) Dimethylphthalate	13.91	163	263386	6.612	ng	99
71) Phenanthrene	17.23	178	883132	13.684	ng	100
72) Anthracene	17.32	178	208967	3.341	ng	99
75) Fluoranthene	19.25	202	1515216	20.806	ng	98
78) Pyrene	19.61	202	1729882	27.362	ng	100
81) Benzo(a)anthracene	21.36	228	705325m	11.281	ng	
83) Chrysene	21.40	228	818545	13.504	ng	98
86) Indeno(1,2,3-cd)pyrene	25.94	276	420413	5.811	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	761696m	12.443	ng	
89) Benzo(k)fluoranthene	23.00	252	284403m	4.682	ng	
90) Benzo(a)pyrene	23.54	252	617688	10.951	ng	98
92) Benzo(a,h,i)perylene	26.65	276	448306	8.000	ng	99

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

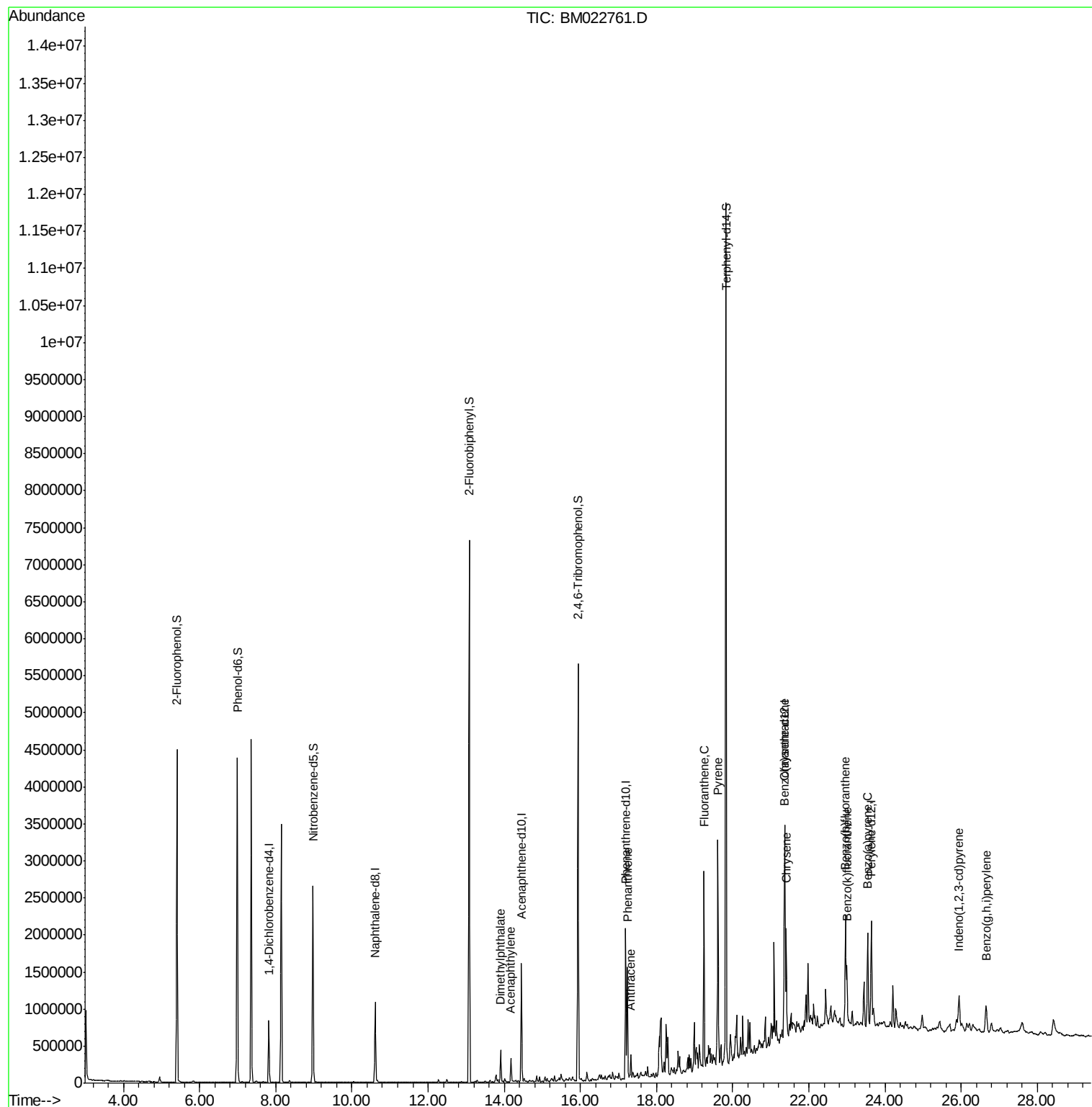
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
Data File : BM022761.D
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Operator : JU
Sample : K4997-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

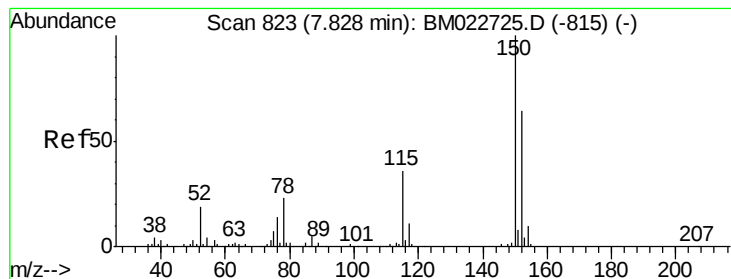
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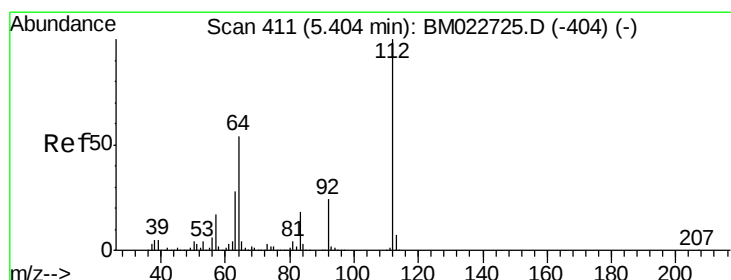
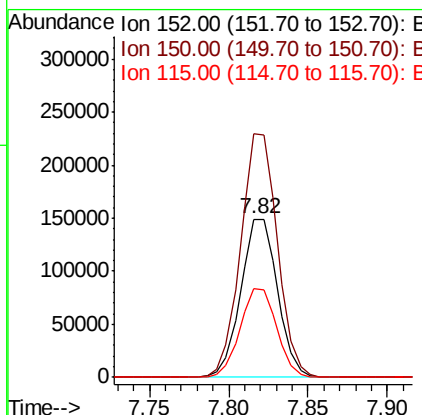
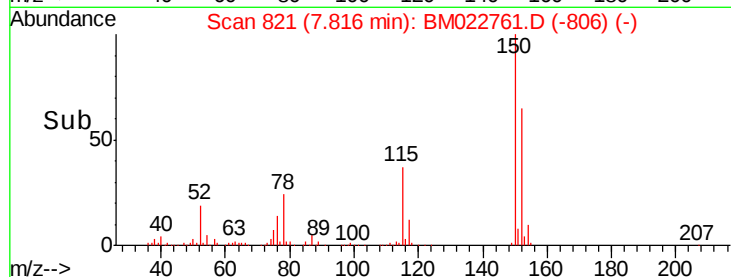
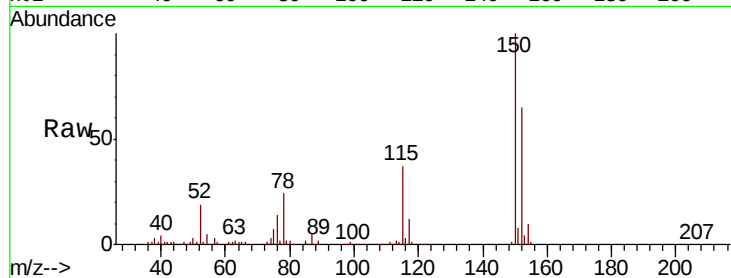
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.5	186.7
115	56.3	45.0	67.4

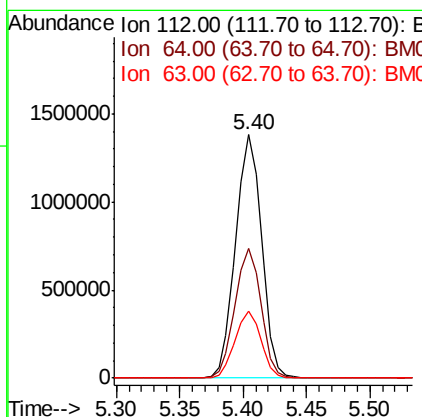
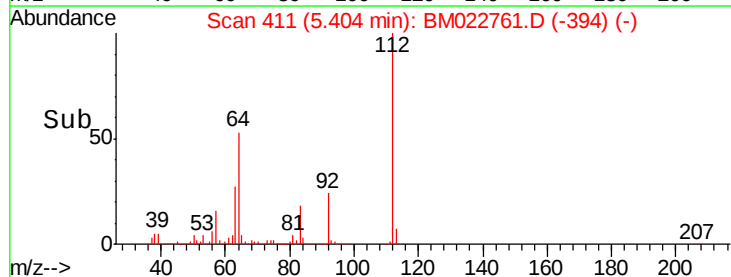
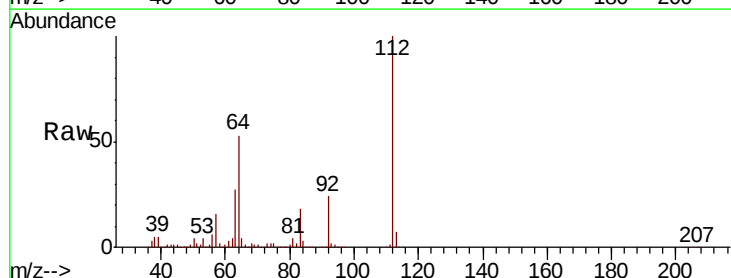
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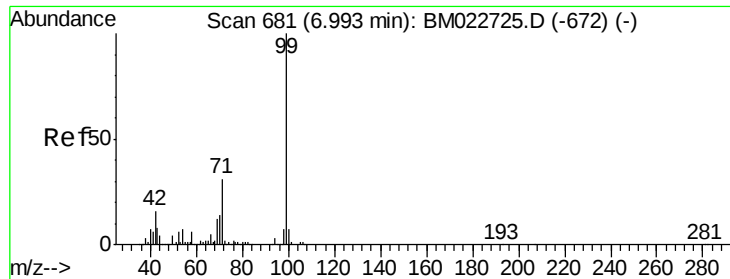
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#5
 2-Fluorophenol
 Concen: 130.555 ng
 RT: 5.40 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.4	65.2
63	27.4	22.1	33.1





#7

Phenol-d6

Concen: 139.663 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022761.D

Acq: 24 Sep 2019 22:04

Instrument :

BNA_M

ClientSampleId :

WC-10-091919

Tot Ion: 99 Resp: 2700643

Ion Ratio Lower Upper

99 100

42 15.5 13.0 19.4

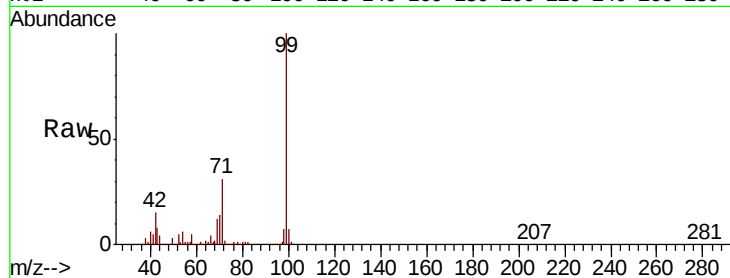
71 30.7 24.7 37.1

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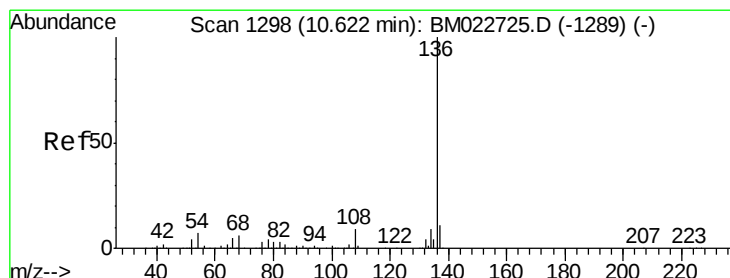
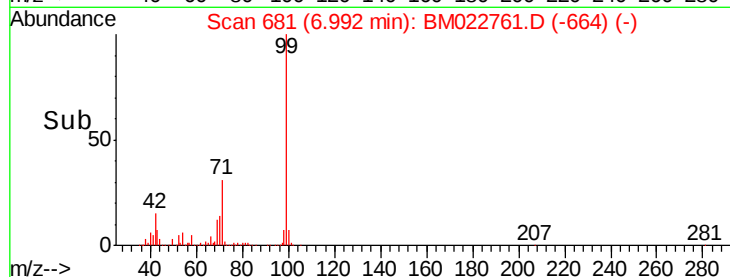
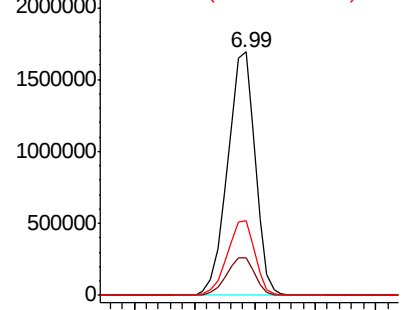
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Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

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: BM022761.D

Acq: 24 Sep 2019 22:04

Tgt Ion: 136 Resp: 913067

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.3 6.0 9.0

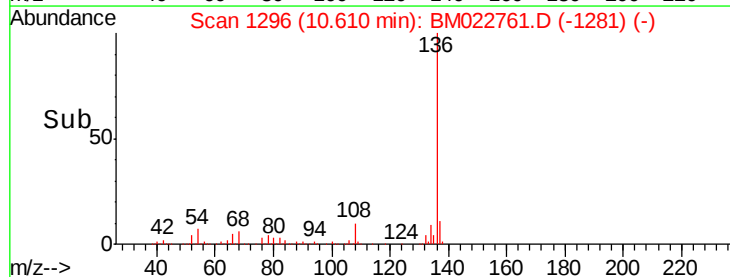
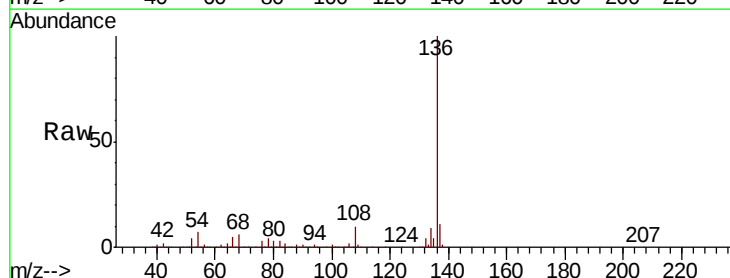
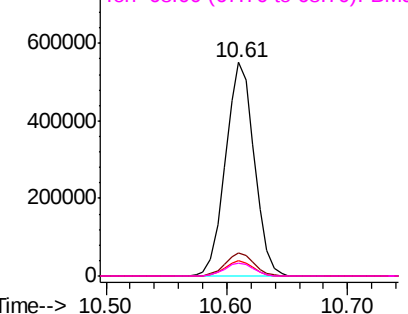
68 6.0 4.9 7.3

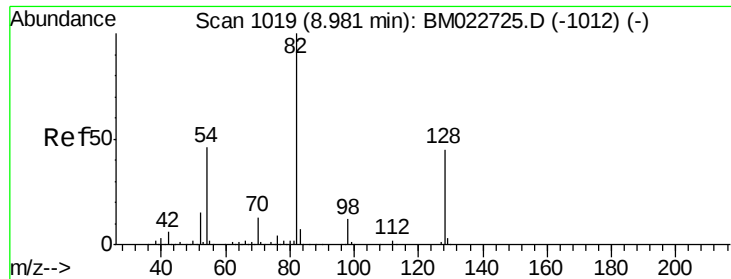
Abundance Ion 136.00 (135.70 to 136.70): BM022725.D (-1289) (-)

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) (-)





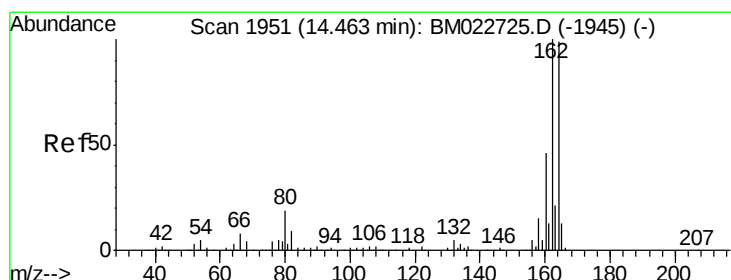
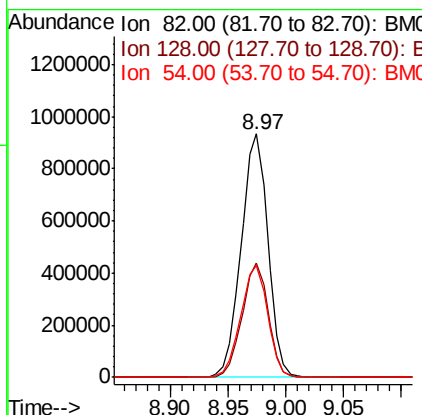
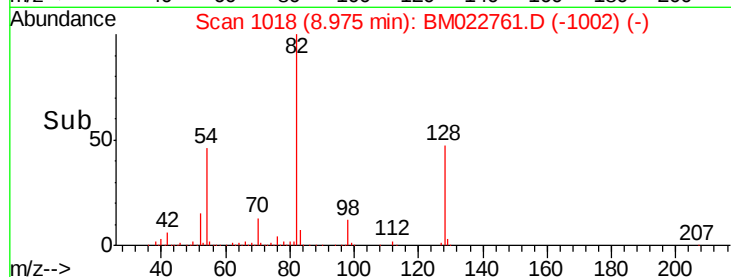
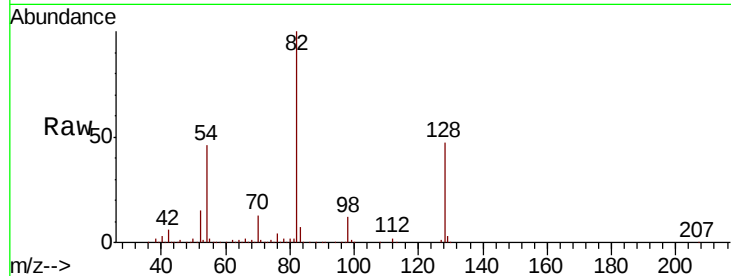
#23
 Nitrobenzene-d5
 Concen: 91.559 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.0	54.0
54	45.7	37.1	55.7

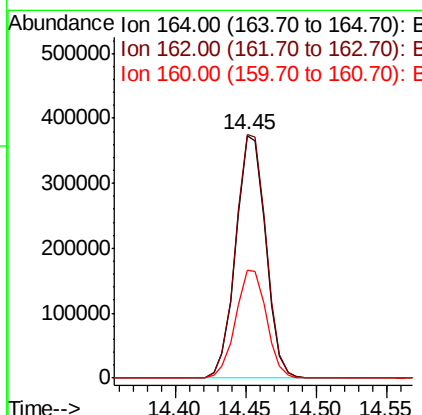
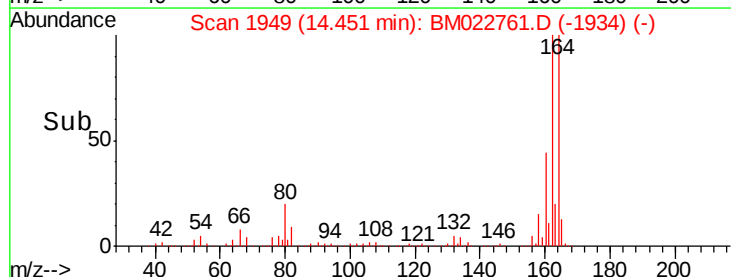
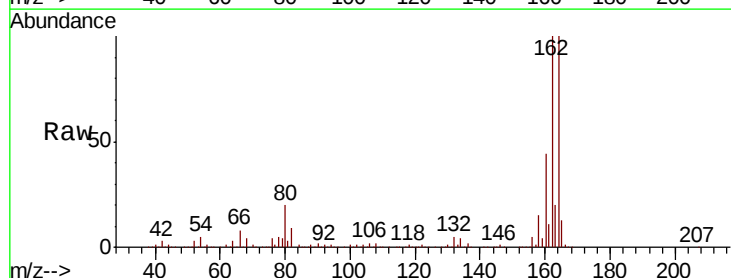
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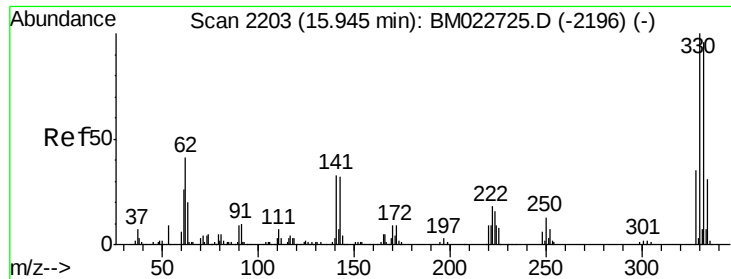
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.45 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.1	121.7
160	44.6	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 150.940 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022761.D

Acq: 24 Sep 2019 22:04

Instrument :

BNA_M

ClientSampleId :

WC-10-091919

Tot Ion:330 Resp: 1038593

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

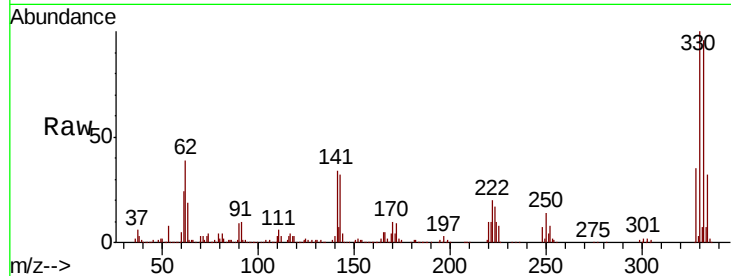
141 34.0 28.6 42.8

Manual Integrations

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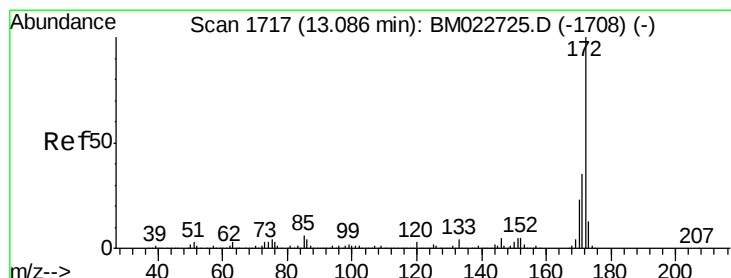
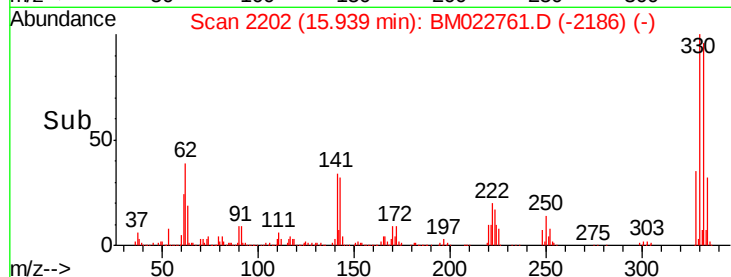
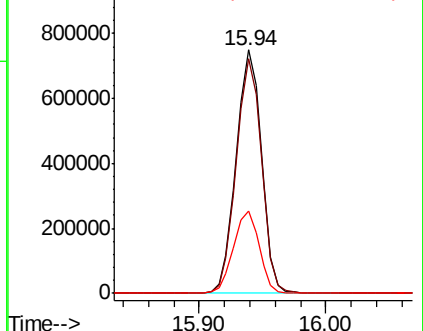
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 94.548 ng

RT: 13.08 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BM022761.D

Acq: 24 Sep 2019 22:04

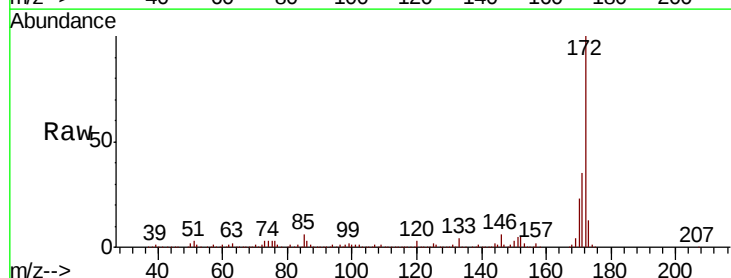
Tgt Ion:172 Resp: 3784539

Ion Ratio Lower Upper

172 100

171 35.3 27.8 41.8

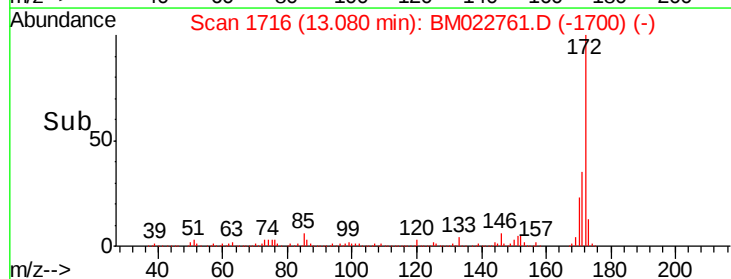
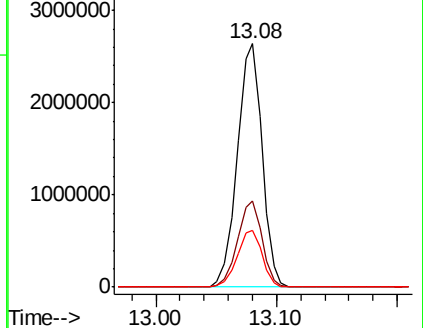
170 23.5 18.7 28.1

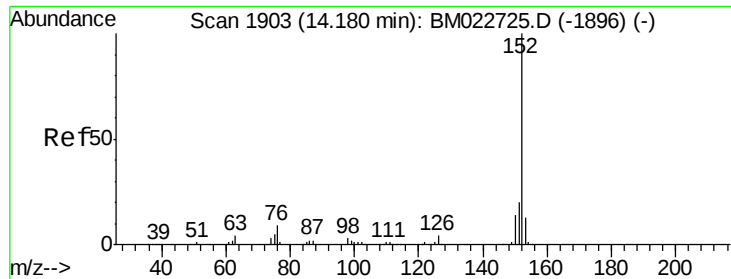


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





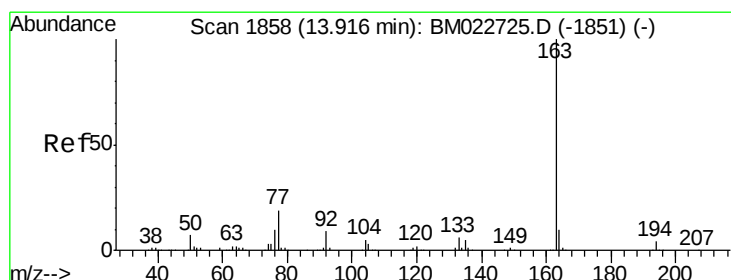
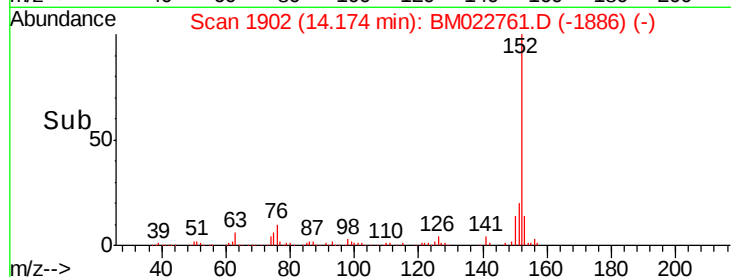
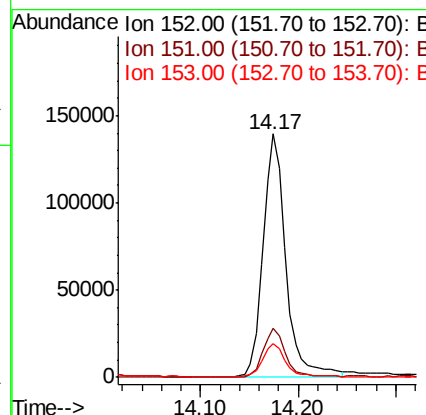
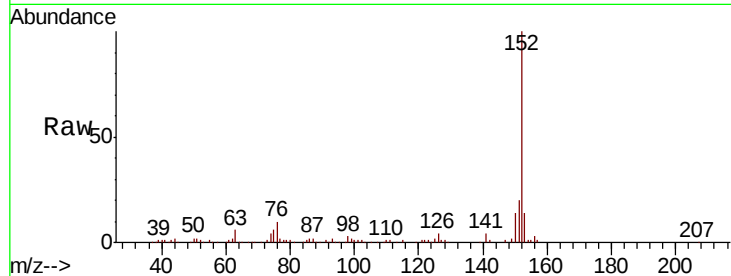
#49
Acenaphthylene
Concen: 4.562 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.8	10.5	15.7

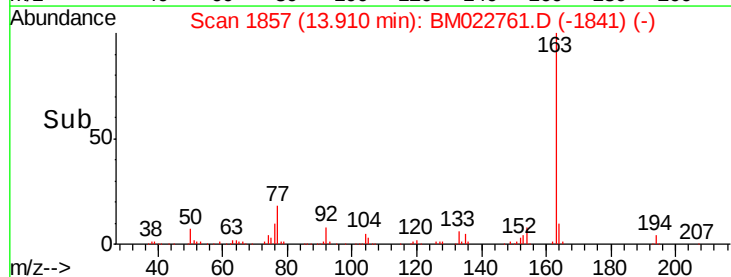
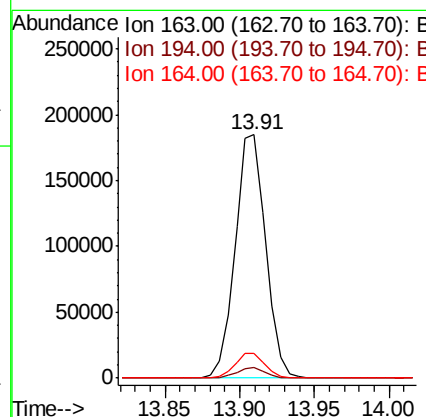
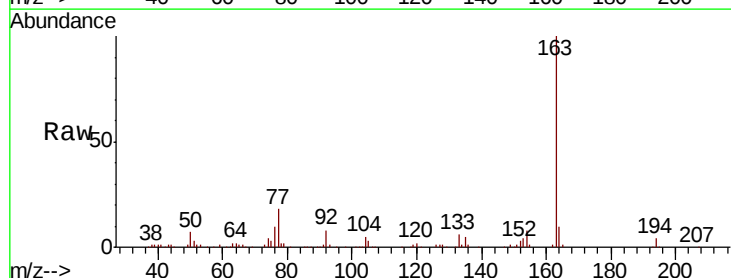
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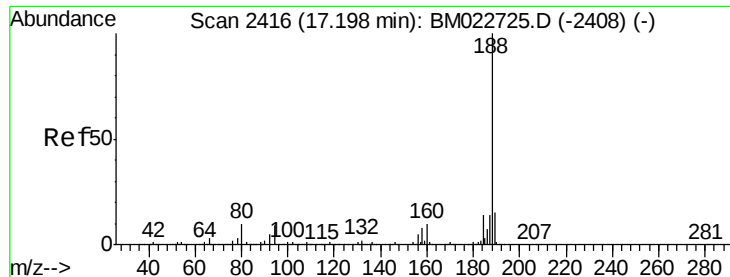
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#50
Dimethylphthalate
Concen: 6.612 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

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





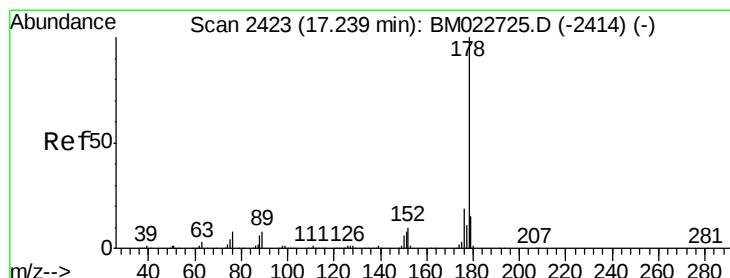
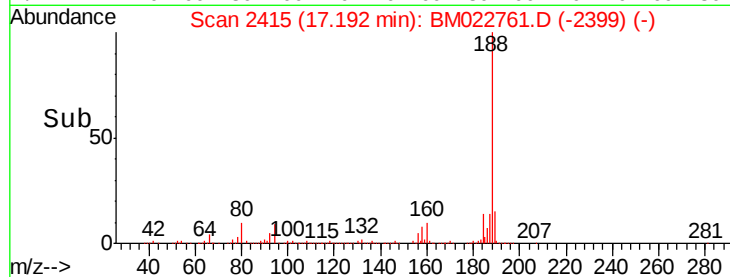
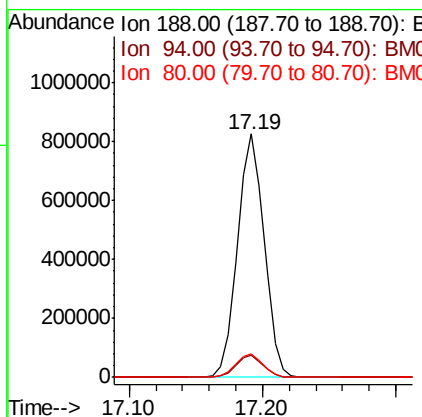
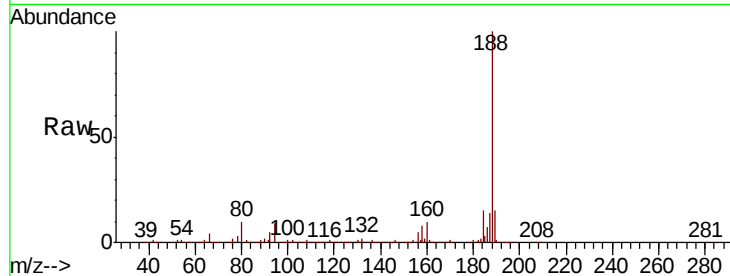
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampled :
WC-10-091919

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

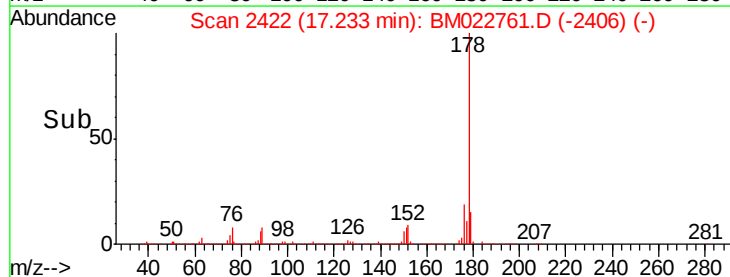
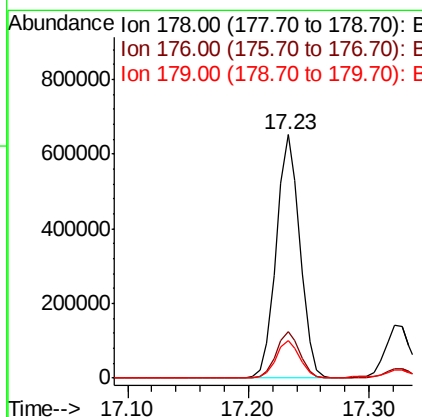
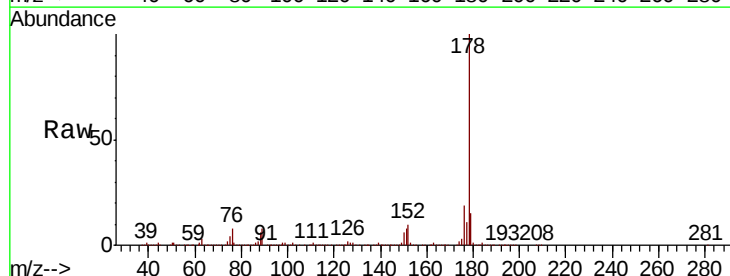
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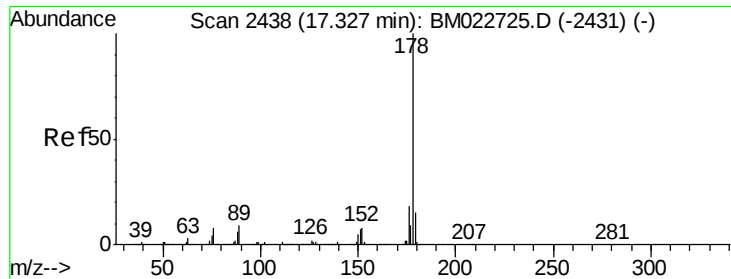
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#71
Phenanthrene
Concen: 13.684 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.3	18.5





#72

Anthracene

Concen: 3.341 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022761.D

Acq: 24 Sep 2019 22:04

Instrument :

BNA_M

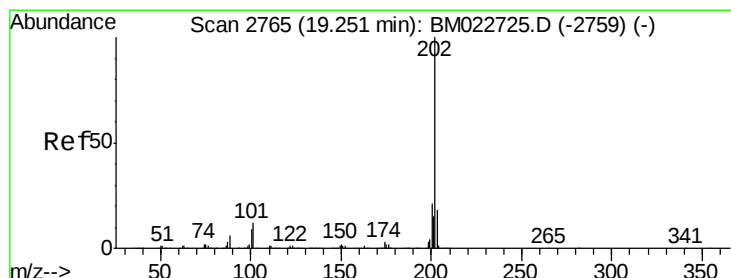
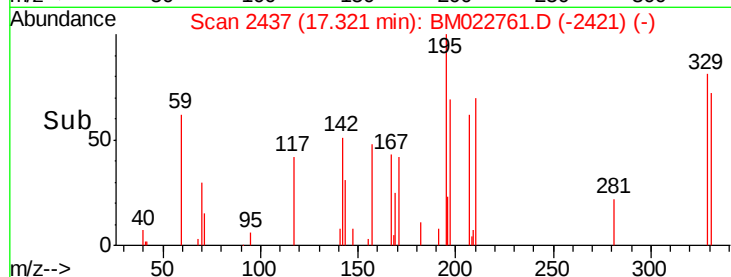
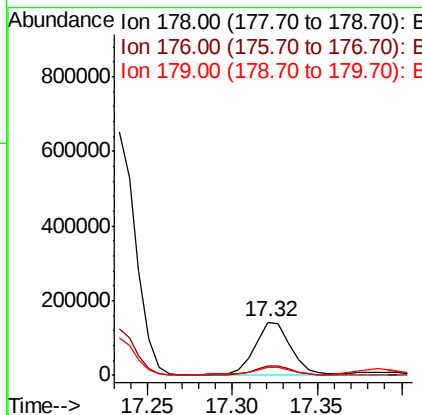
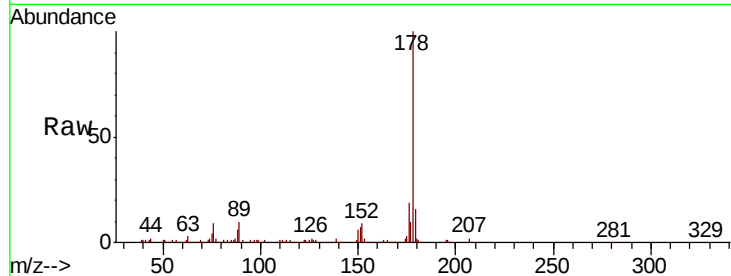
ClientSampleId :

WC-10-091919

Tot Ion:	178	Resp:	208967
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.7	22.1
179	15.7	12.2	18.4

Manual Integrations
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#75

Fluoranthene

Concen: 20.806 ng

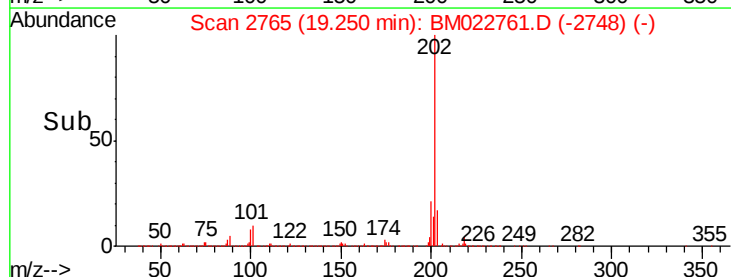
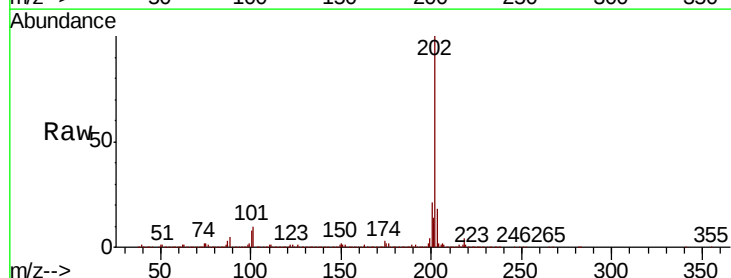
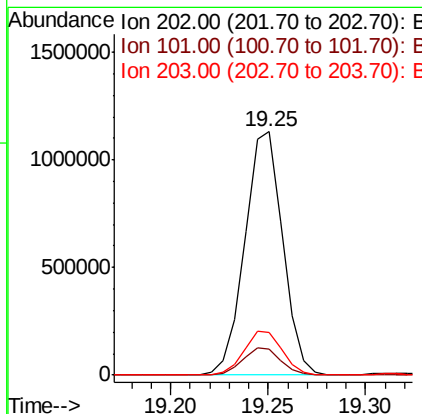
RT: 19.25 min Scan# 2765

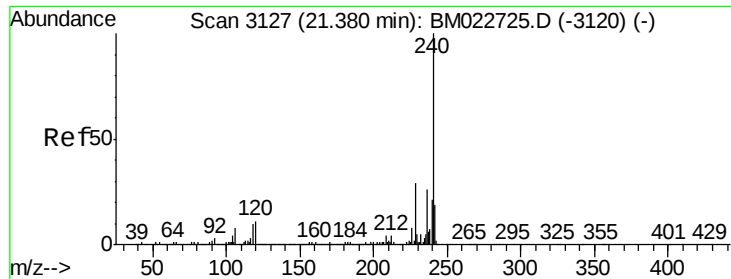
Delta R.T. -0.00 min

Lab File: BM022761.D

Acq: 24 Sep 2019 22:04

Tgt Ion:	202	Resp:	1515216
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.1
203	17.6	0.0	37.7





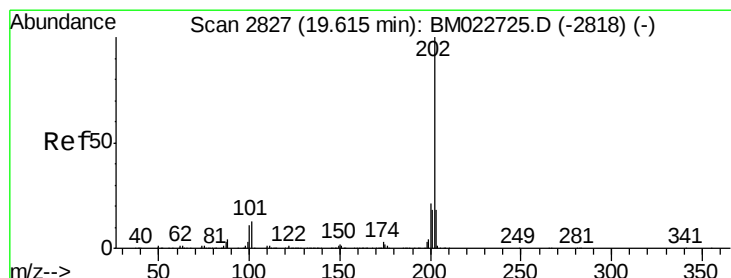
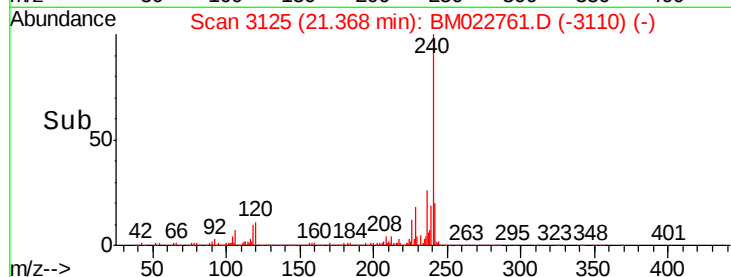
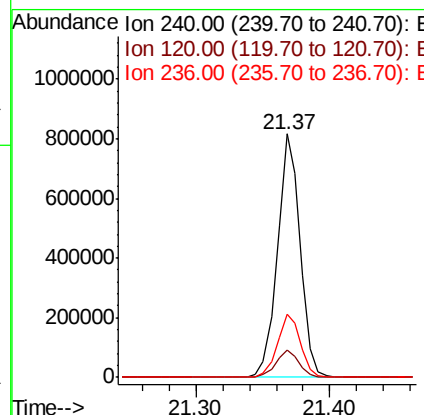
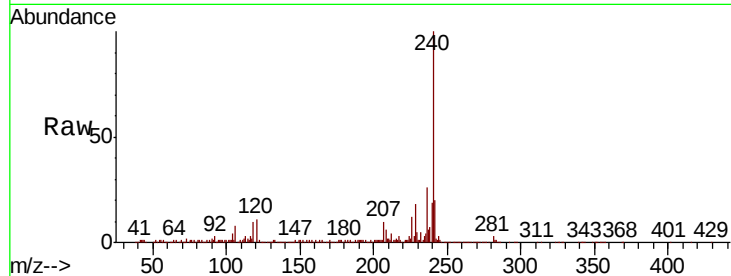
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampled :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	26.2	20.8	31.2

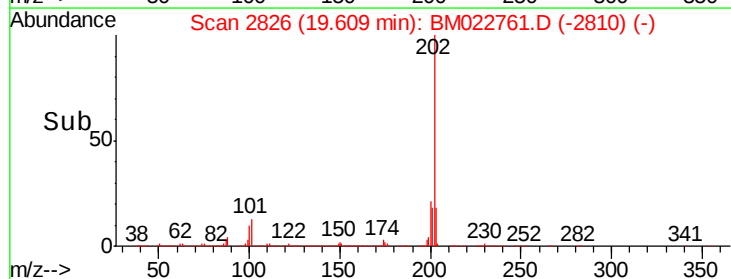
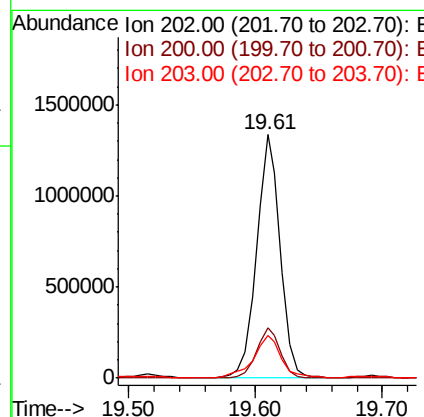
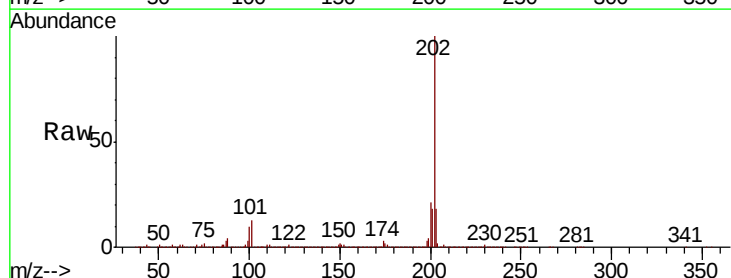
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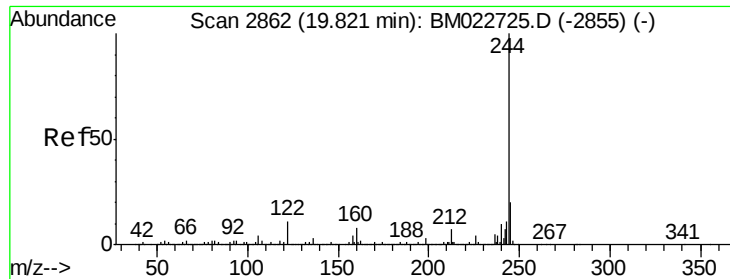
mohammad
9/26/2019 8:25:33 AM



#78
Pyrene
Concen: 27.362 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1





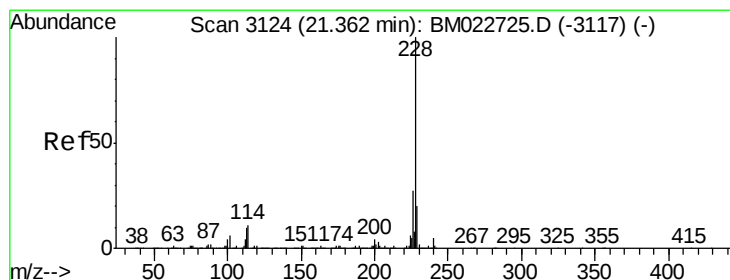
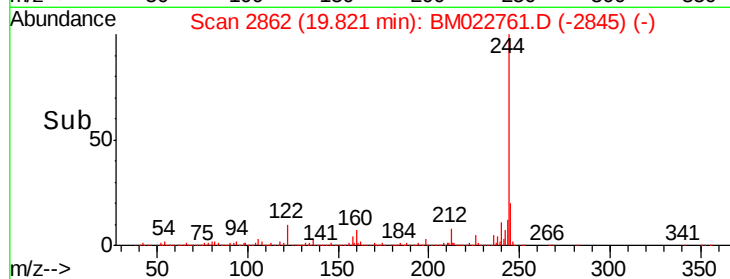
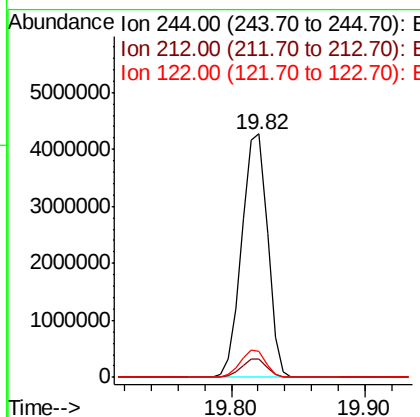
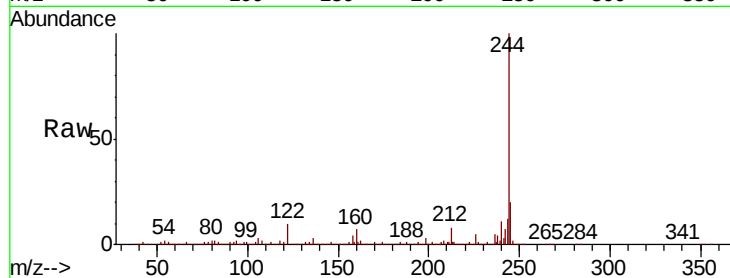
#79
 Terphenyl-d14
 Concen: 114.486 ng
 RT: 19.82 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Instrument :
 BNA_M
 ClientSampled :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.4	9.0	13.4

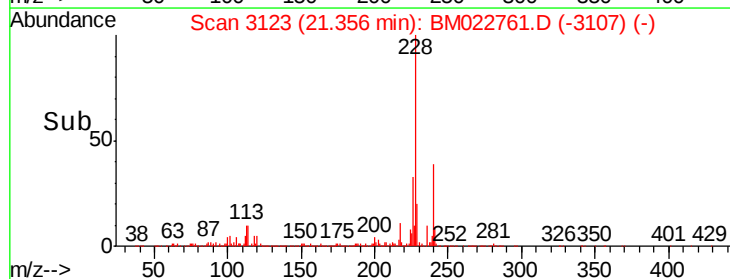
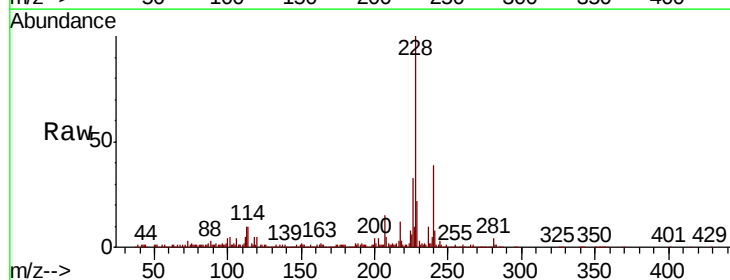
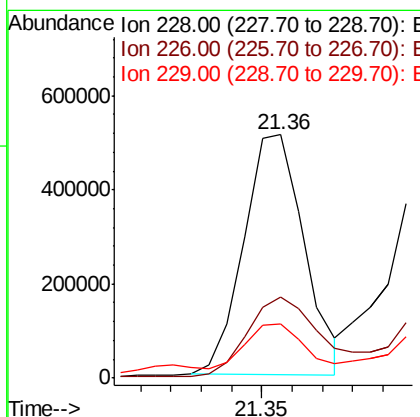
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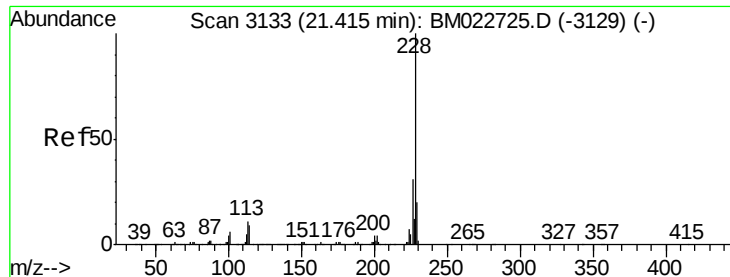
mohammad
 9/26/2019 8:25:33 AM



#81
 Benzo(a)anthracene
 Concen: 11.281 ng m
 RT: 21.36 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.0	33.0#
229	22.1	15.9	23.9





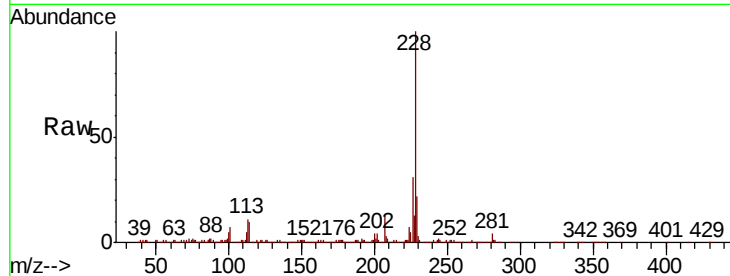
#83
Chrysene
Concen: 13.504 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.5	36.7
229	22.2	15.9	23.9

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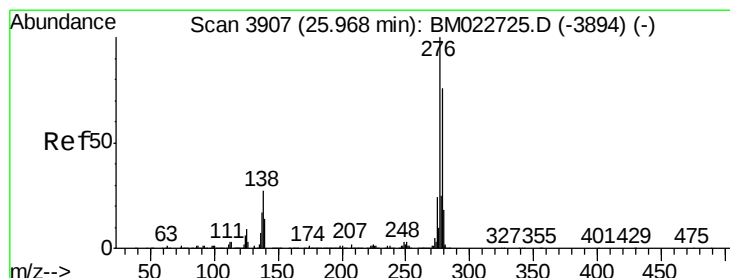
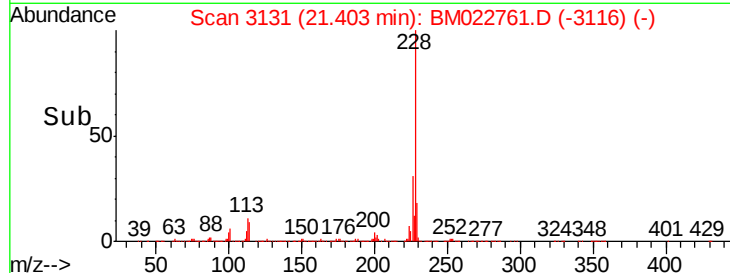
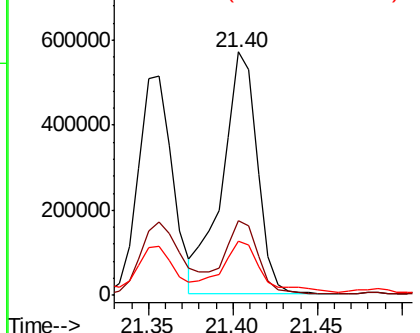


Abundance

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: 5.811 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

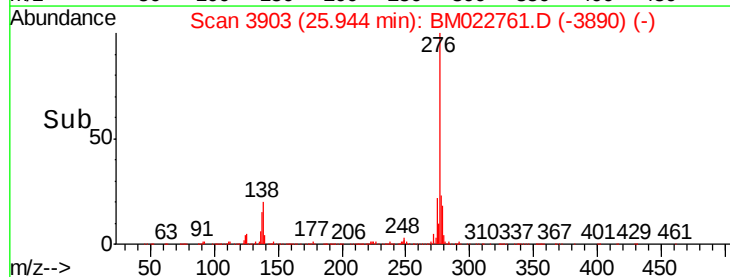
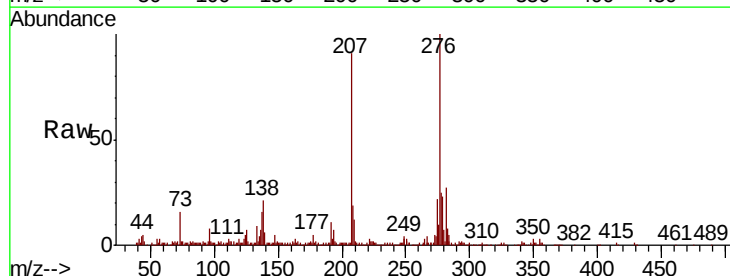
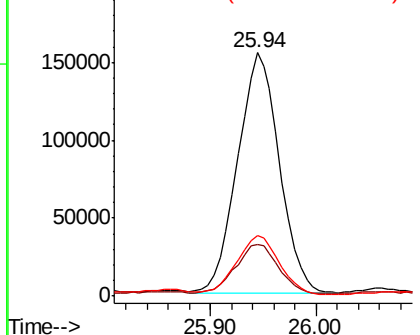
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	0.0	0.0#
277	25.0	0.0	0.0#

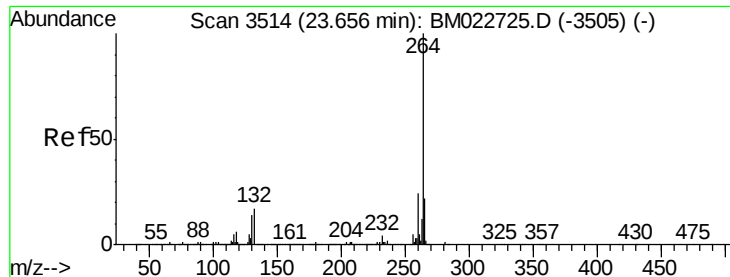
Abundance

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





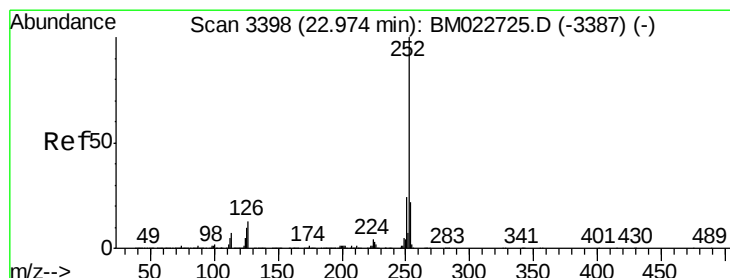
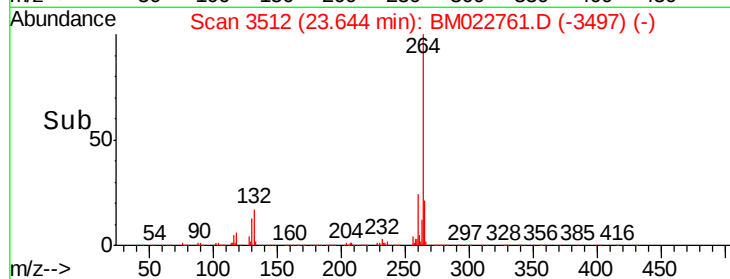
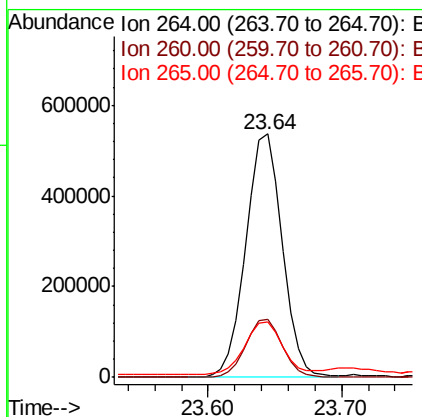
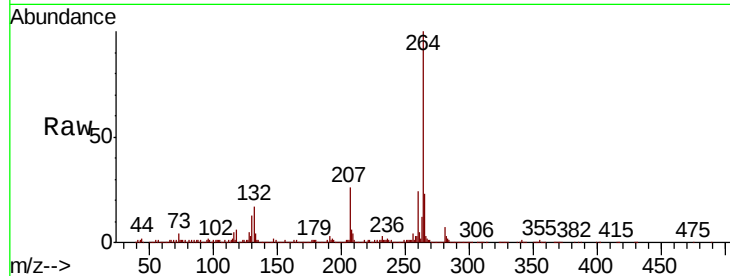
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.7	17.9	26.9

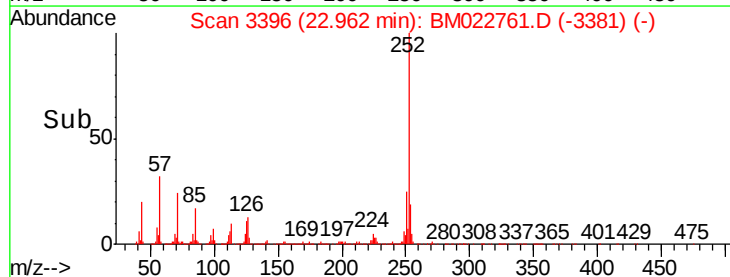
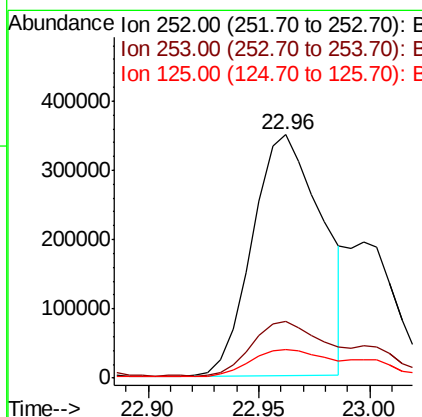
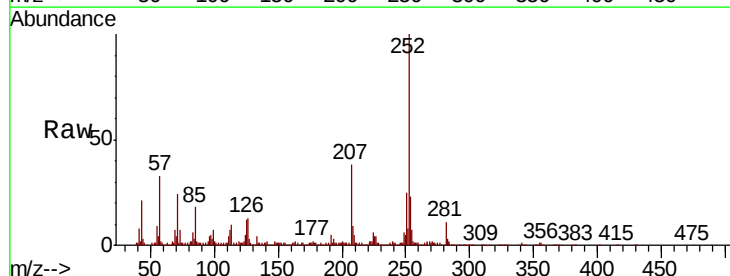
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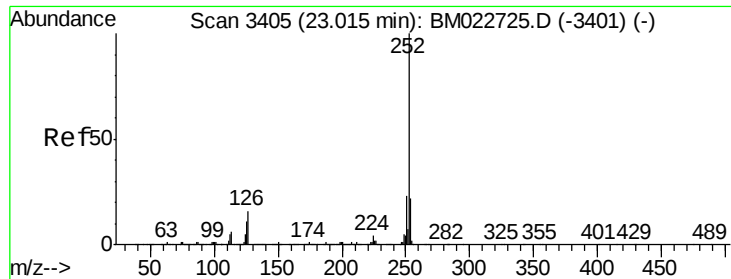
mohammad
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#88
Benzo(b)fluoranthene
Concen: 12.443 ng m
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	11.9	8.2	12.4





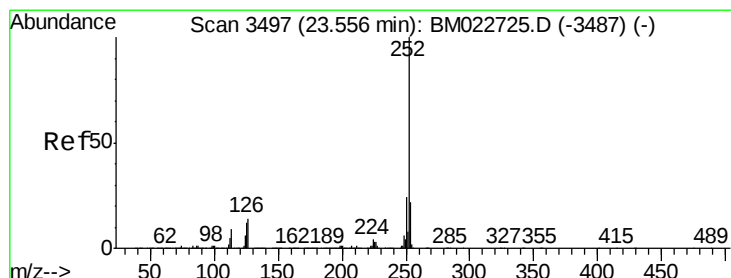
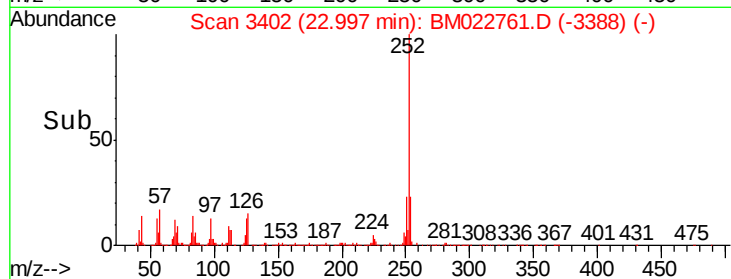
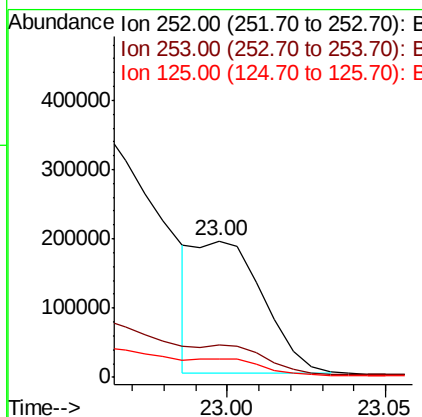
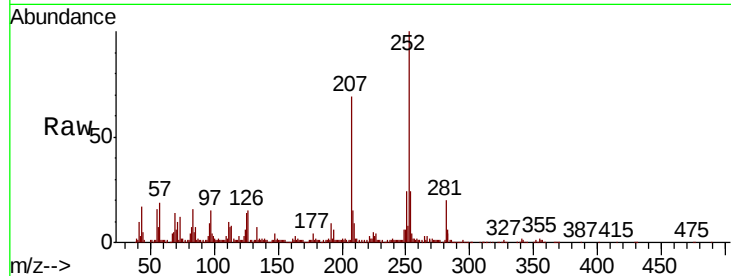
#89
Benzo(k)fluoranthene
Concen: 4.682 ng m
RT: 23.00 min Scan# 3402
Delta R.T. -0.02 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Instrument :
BNA_M
ClientSampleId :
WC-10-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	13.6	8.5	12.7

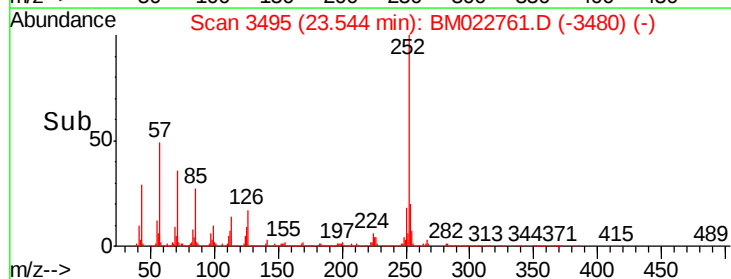
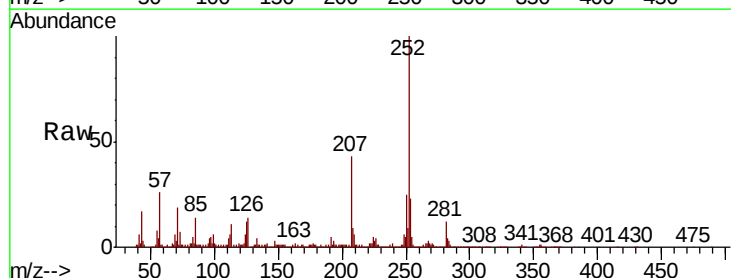
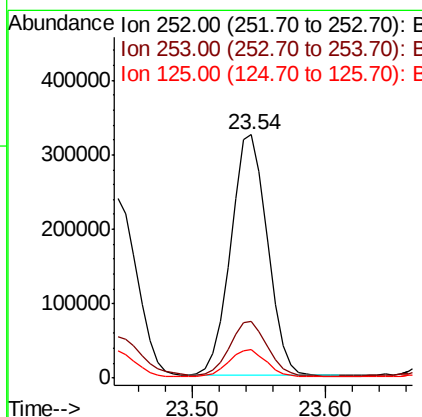
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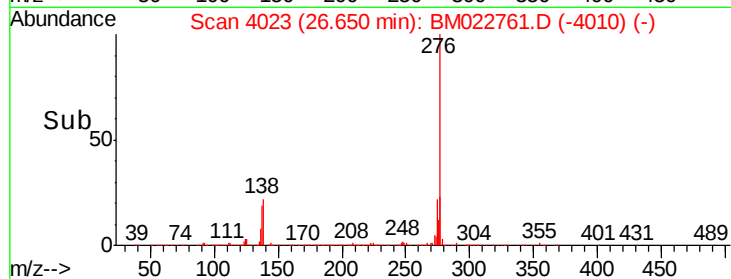
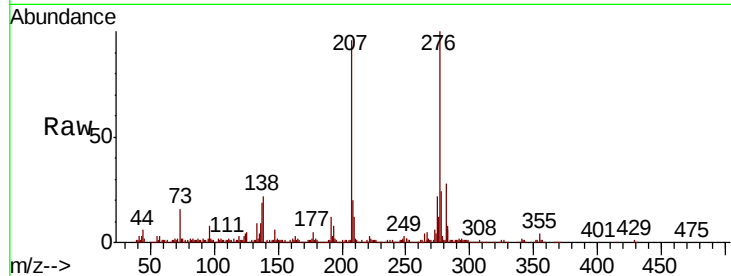
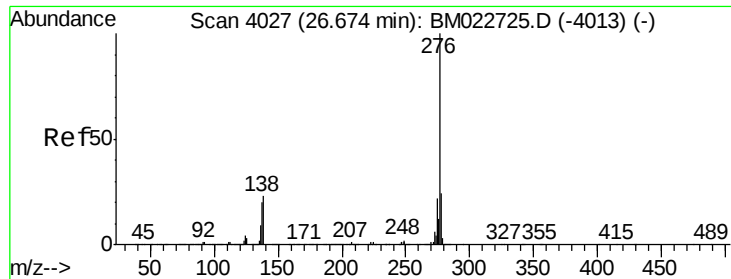
mohammad
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#90
Benzo(a)pyrene
Concen: 10.951 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022761.D
Acq: 24 Sep 2019 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.8	9.3	13.9





#92
 Benzo(a,h,i)perylene
 Concen: 8.000 ng
 RT: 26.65 min Scan# 4023
 Delta R.T. -0.02 min
 Lab File: BM022761.D
 Acq: 24 Sep 2019 22:04

Instrument :
 BNA_M
 ClientSampleId :
 WC-10-091919

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	22.4	18.5	27.7

Manual Integrations
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