

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
 Data File : BM022778.D
 Acq On : 25 Sep 2019 19:07
 Operator : JU
 Sample : K4997-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Manual Integrations
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mohammad
 9/26/2019 3:55:02 PM

Quant Time: Sep 26 06:42:27 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	253310	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	890839	20.00	ng	-0.01
39) Acenaphthene-d10	14.45	164	478574	20.00	ng	-0.01
64) Phenanthrene-d10	17.19	188	884761	20.00	ng	0.00
76) Chrysene-d12	21.37	240	922226	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1144261	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1947652	121.94	ng	0.00
7) Phenol-d6	6.99	99	2531319	123.39	ng	0.00
23) Nitrobenzene-d5	8.97	82	1449349	90.31	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	847847	141.92	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3390795	97.57	ng	0.00
79) Terphenyl-d14	19.82	244	4337053	91.06	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	147574	3.376	ng	99
50) Dimethylphthalate	13.90	163	185542	5.365	ng	100
71) Phenanthrene	17.23	178	406699	8.146	ng	100
72) Anthracene	17.32	178	123883	2.560	ng	98
75) Fluoranthene	19.24	202	690667	12.260	ng	99
78) Pyrene	19.61	202	795306	13.159	ng	100
81) Benzo(a)anthracene	21.36	228	414991m	6.943	ng	
83) Chrysene	21.40	228	466005	8.042	ng	98
86) Indeno(1,2,3-cd)pyrene	25.94	276	273891	3.960	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	546495m	7.888	ng	
89) Benzo(k)fluoranthene	23.00	252	152482m	2.218	ng	
90) Benzo(a)pyrene	23.54	252	406527	6.368	ng	98
92) Benzo(a,h,i)perylene	26.66	276	281690	4.441	ng	98

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

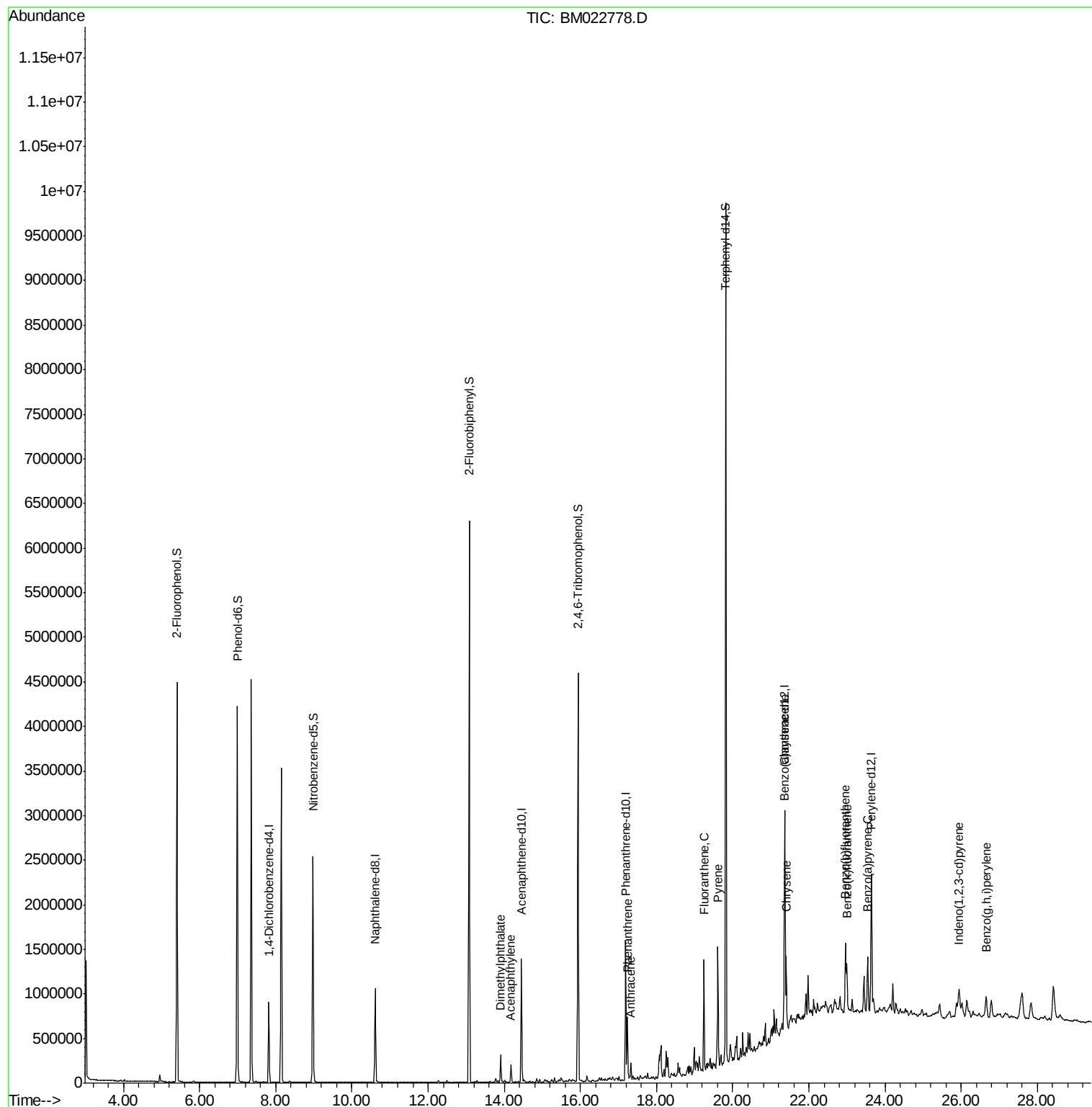
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022778.D
Acq On : 25 Sep 2019 19:07
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Sample : K4997-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

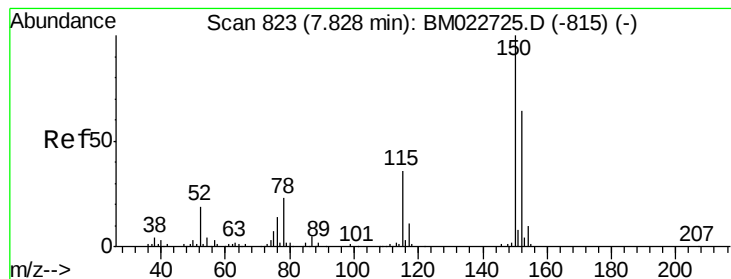
Instrument :
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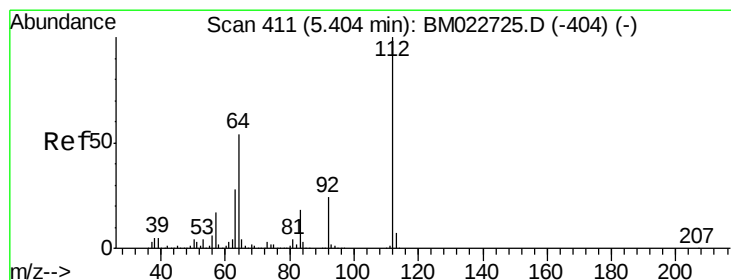
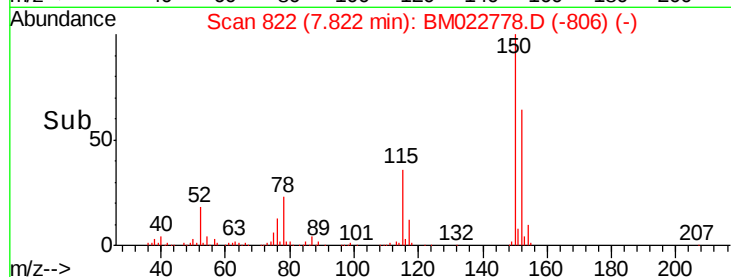
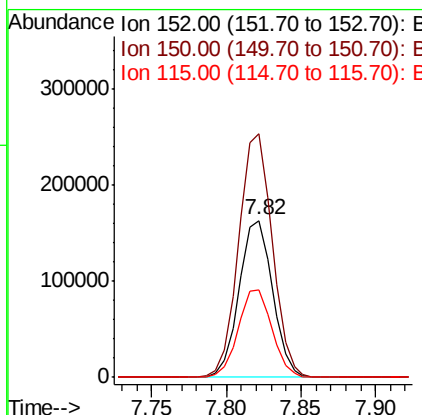
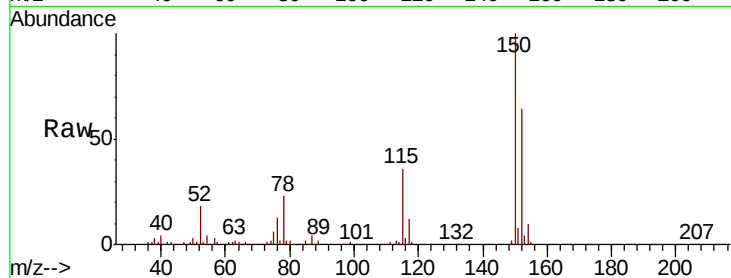
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	55.6	45.0	67.4

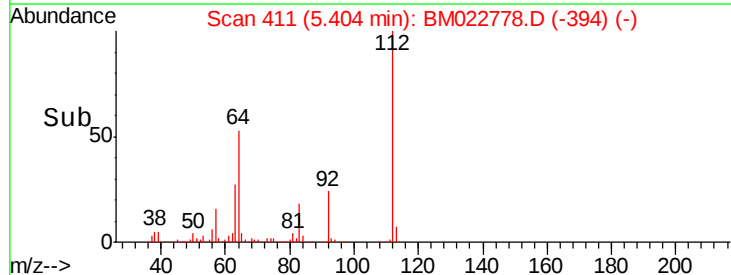
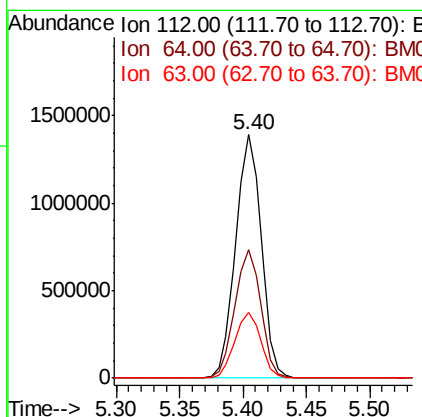
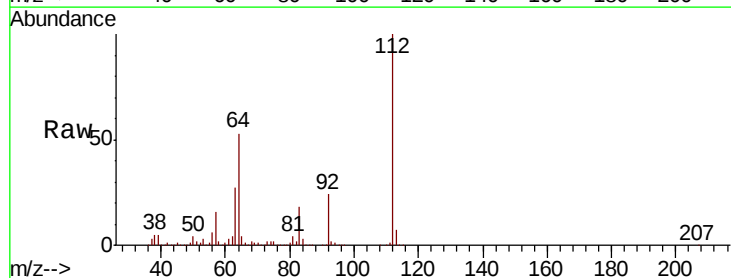
Manual Integrations
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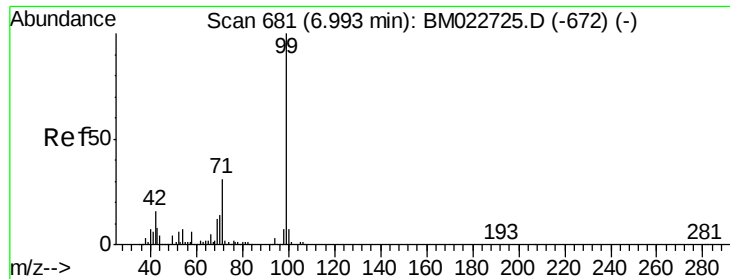
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#5
 2-Fluorophenol
 Concen: 121.942 ng
 RT: 5.40 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.4	65.2
63	26.8	22.1	33.1





#7

Phenol-d6

Concen: 123.394 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

ClientSampleId :

WC-11-091919

Tot Ion: 99 Resp: 2531319

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.4

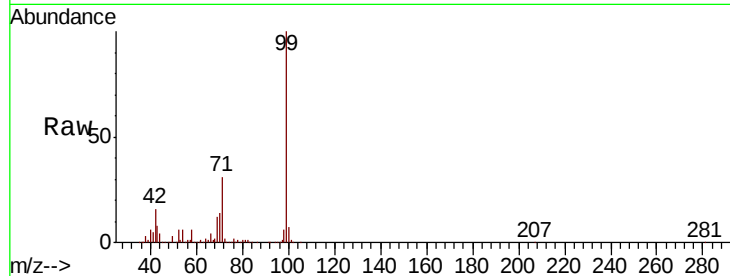
71 31.0 24.7 37.1

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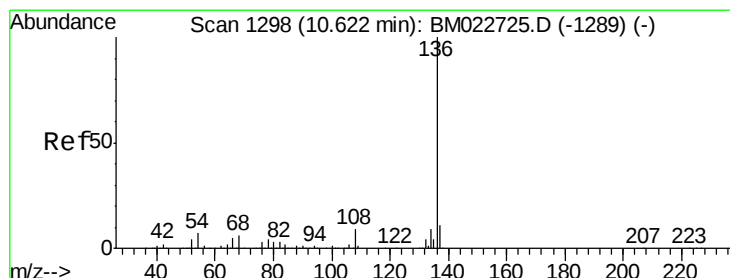
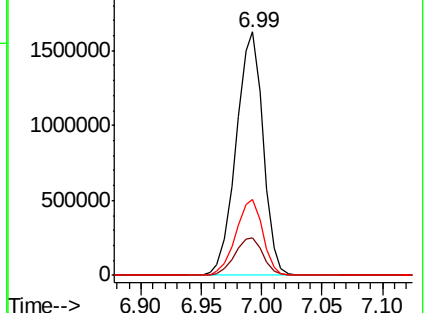
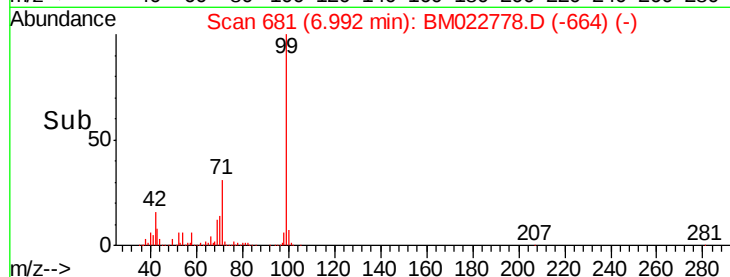
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Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

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: BM022778.D

Acq: 25 Sep 2019 19:07

Tgt Ion: 136 Resp: 890839

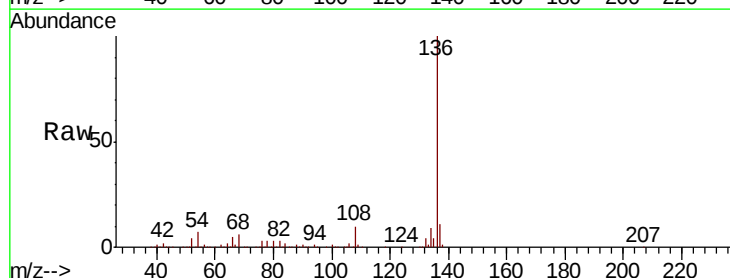
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 7.1 6.0 9.0

68 5.8 4.9 7.3

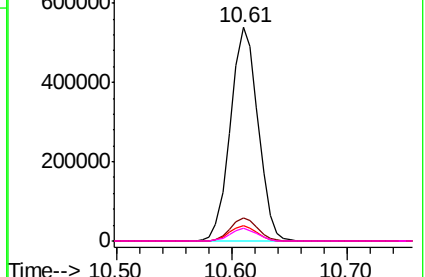
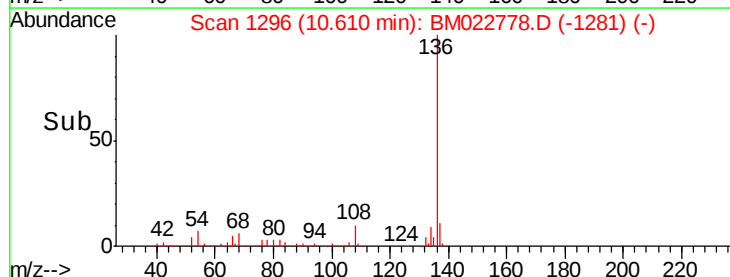


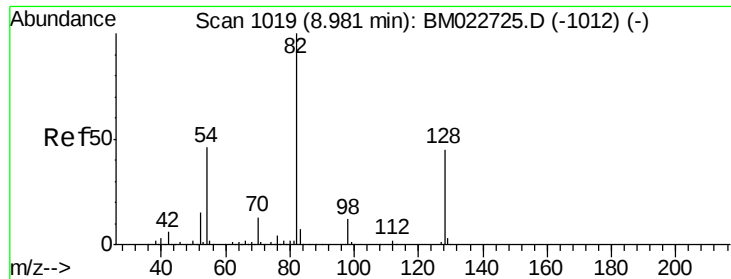
Abundance Ion 136.00 (135.70 to 136.70): BM022725.D (-1289) (-)

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) (-)





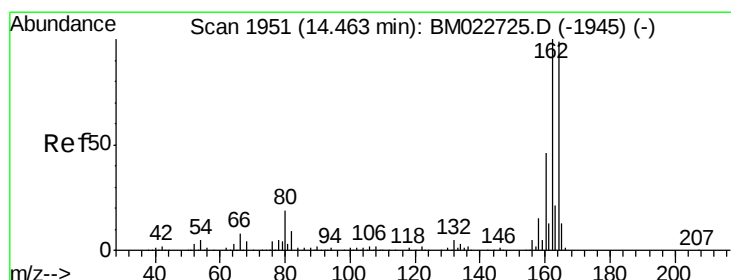
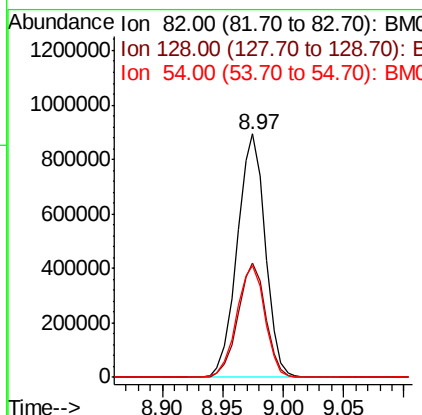
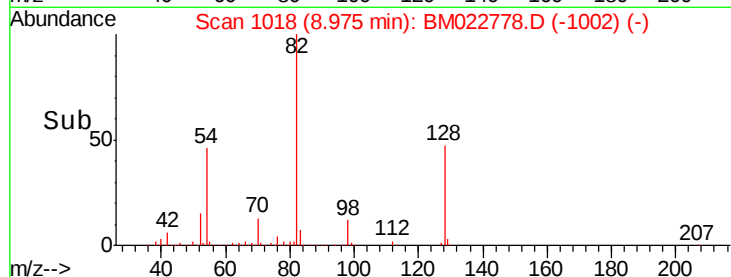
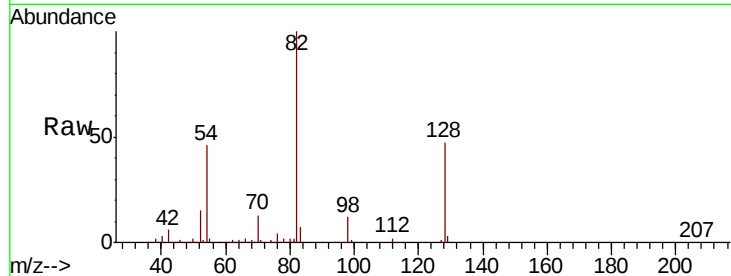
#23
Nitrobenzene-d5
Concen: 90.312 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.0	54.0
54	45.7	37.1	55.7

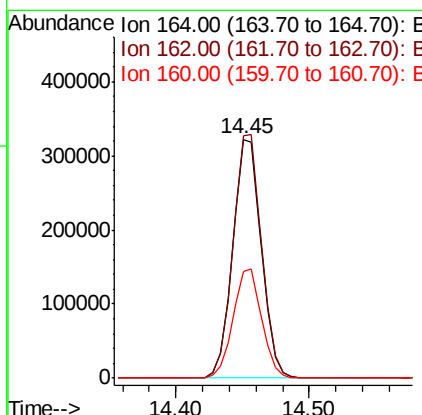
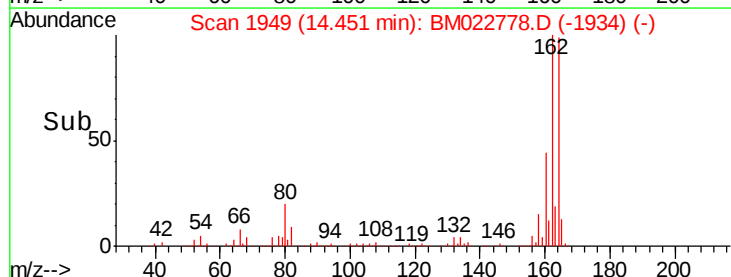
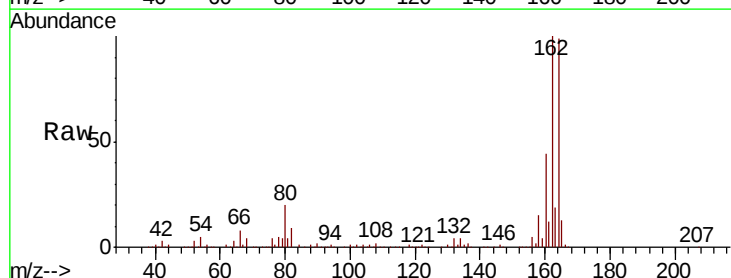
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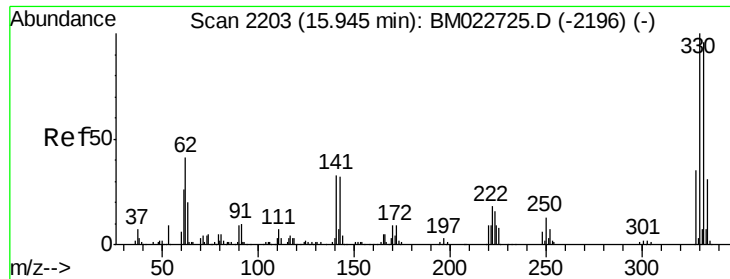
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.1	121.7
160	44.7	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 141.917 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

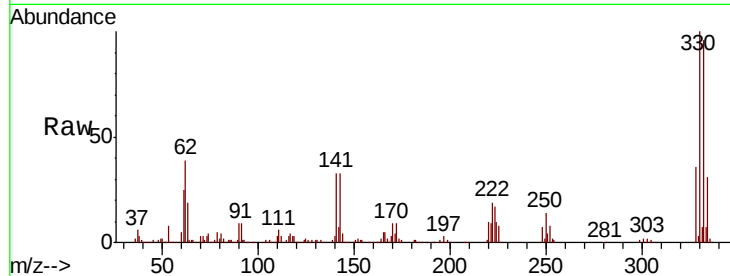
ClientSampleId :

WC-11-091919

Tot Ion:	330	Resp:	847847
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.9	115.3
141	33.7	28.6	42.8

Manual Integrations
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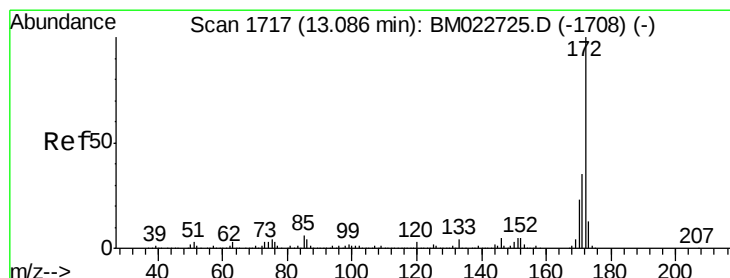
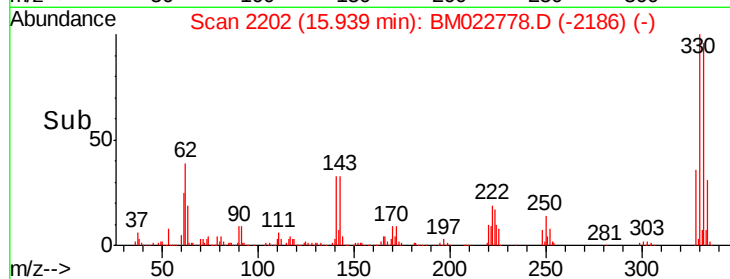
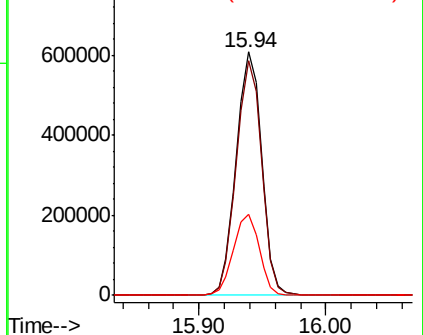


Abundance

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: 97.566 ng

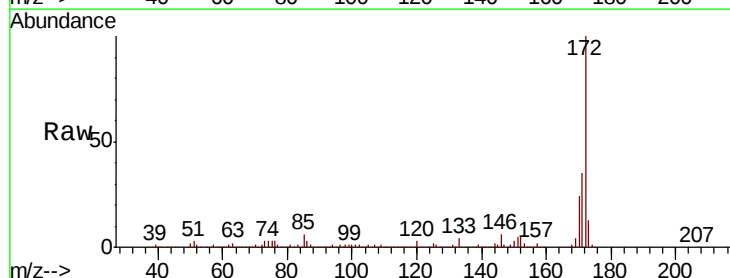
RT: 13.08 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Tgt Ion:	172	Resp:	3390795
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.8	41.8
170	23.6	18.7	28.1

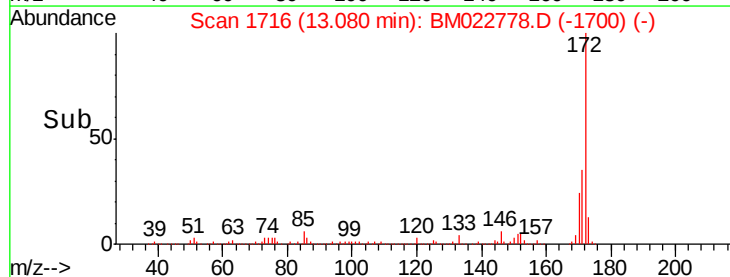
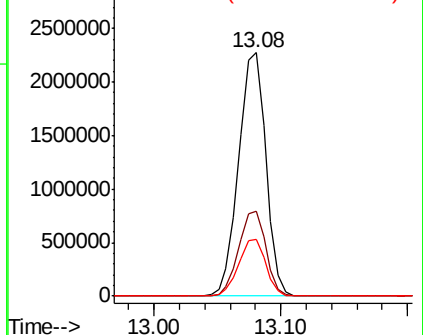


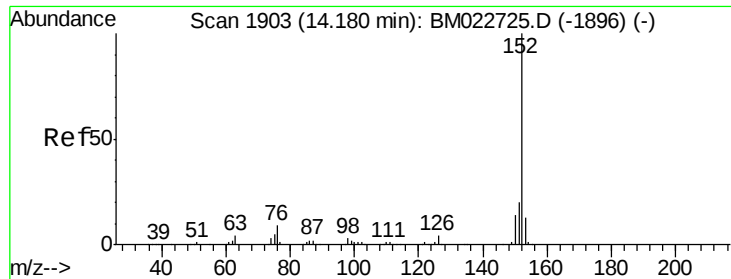
Abundance

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: 3.376 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

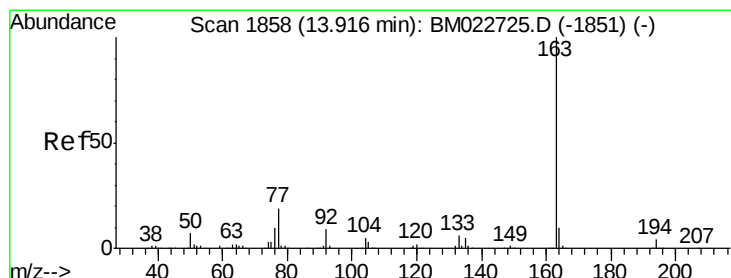
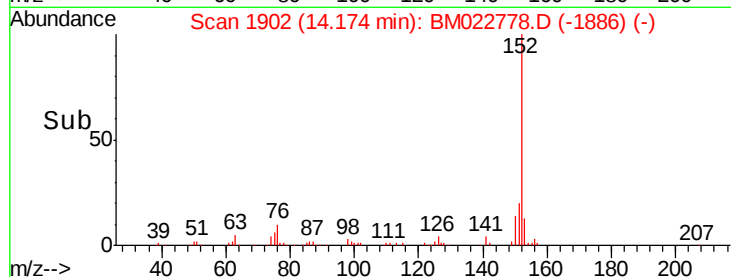
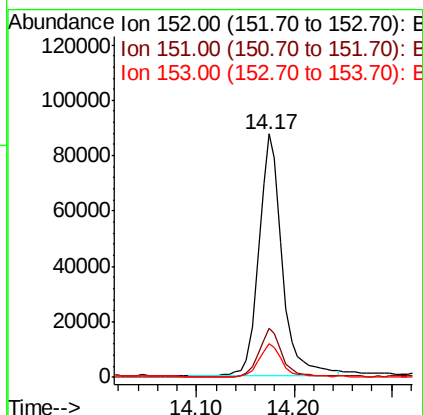
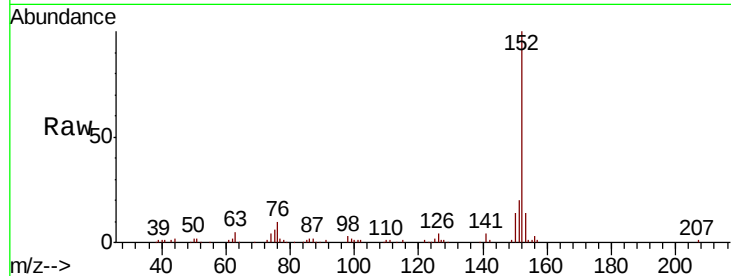
ClientSampleId :

WC-11-091919

Tot Ion:	152	Resp:	147574
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.9	23.9
153	13.9	10.5	15.7

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#50

Dimethylphthalate

Concen: 5.365 ng

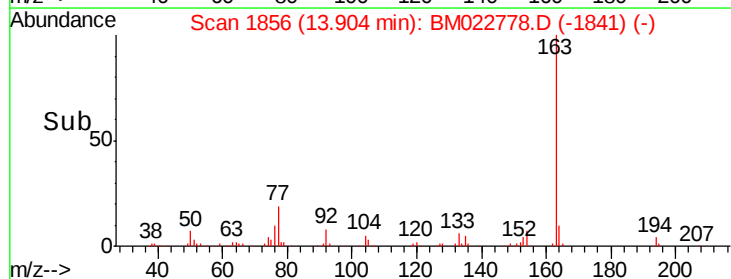
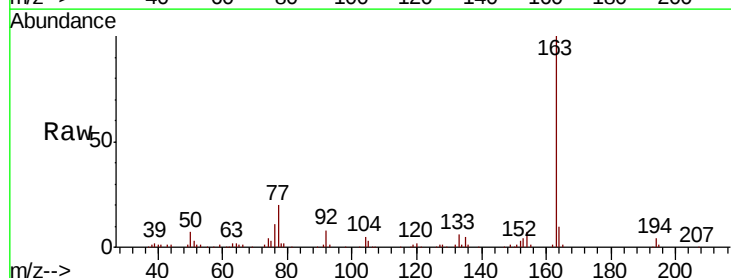
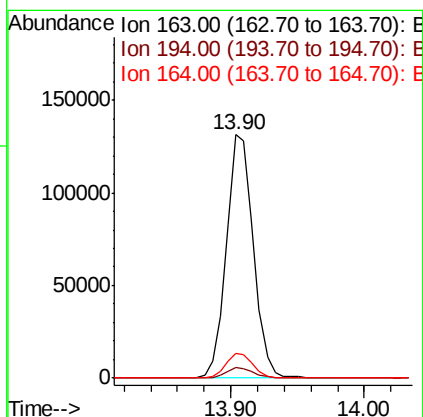
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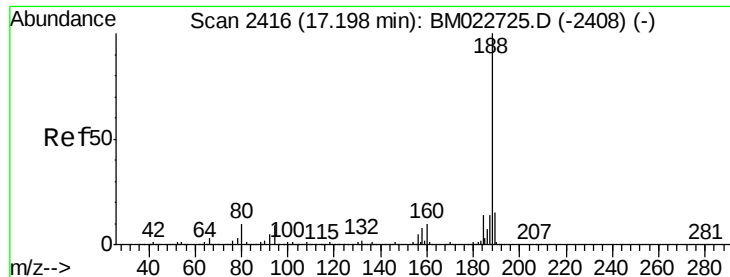
Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Tgt Ion:	163	Resp:	185542
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.3	4.9
164	10.1	8.2	12.2





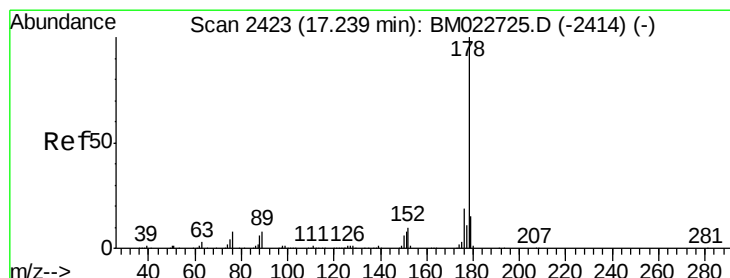
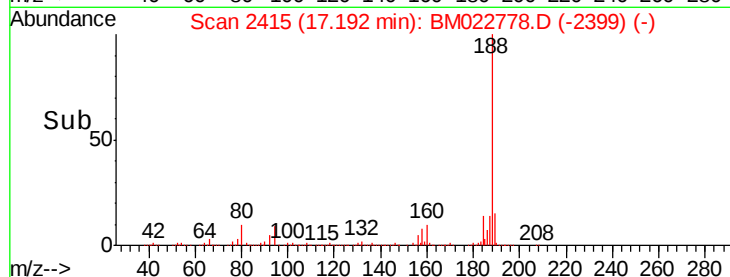
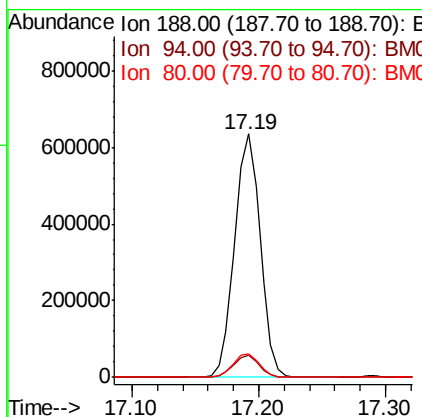
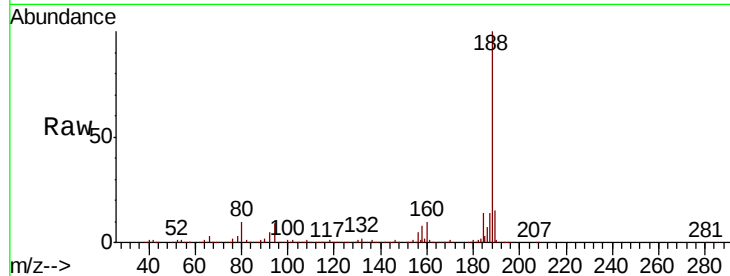
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Resp	Lower	Upper
188	100	884761		
94	9.1		7.3	10.9
80	9.6		7.8	11.8

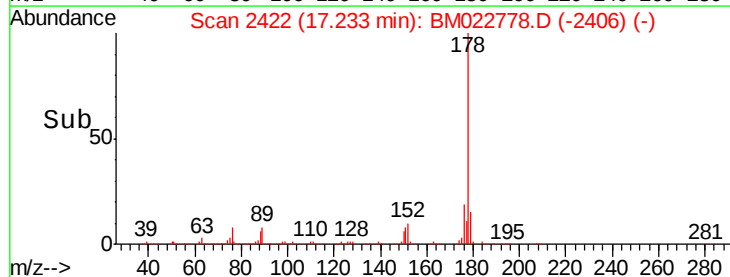
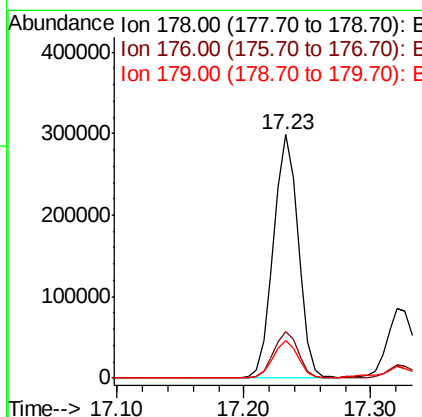
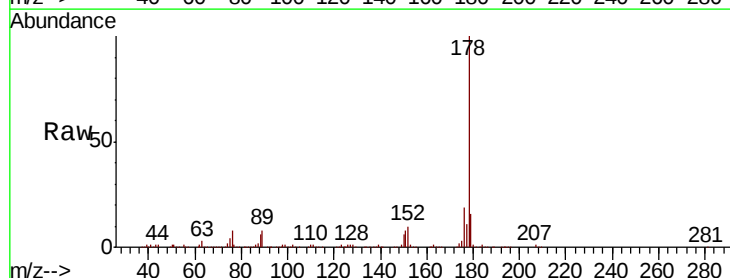
Manual Integrations
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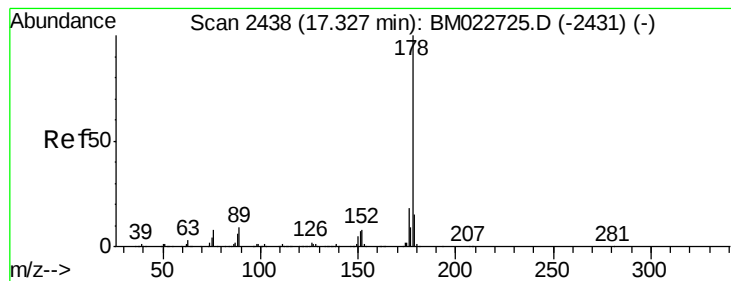
mohammad
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#71
Phenanthrene
Concen: 8.146 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	406699		
176	19.2		15.4	23.2
179	15.6		12.3	18.5





#72

Anthracene

Concen: 2.560 ng

RT: 17.32 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM022778.D

Acq: 25 Sep 2019 19:07

Instrument :

BNA_M

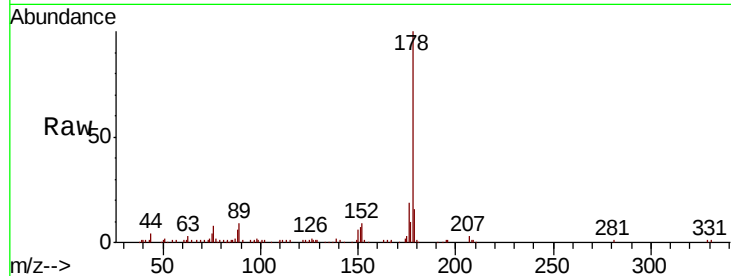
ClientSampleId :

WC-11-091919

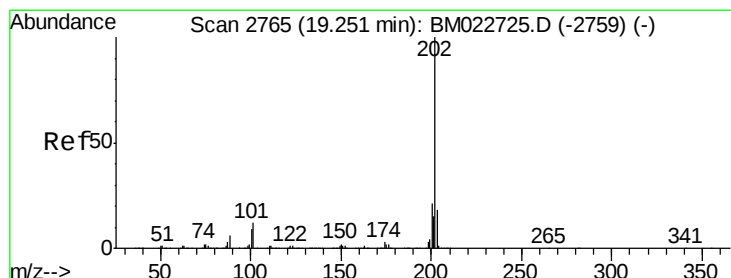
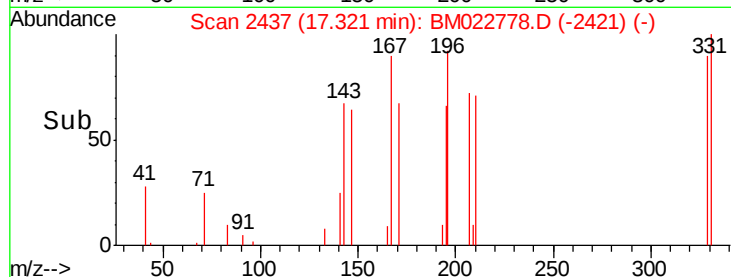
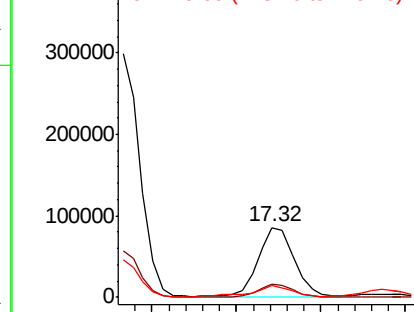
Tot Ion:	178	Resp:	123883
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.7	22.1
179	16.4	12.2	18.4

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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: 12.260 ng

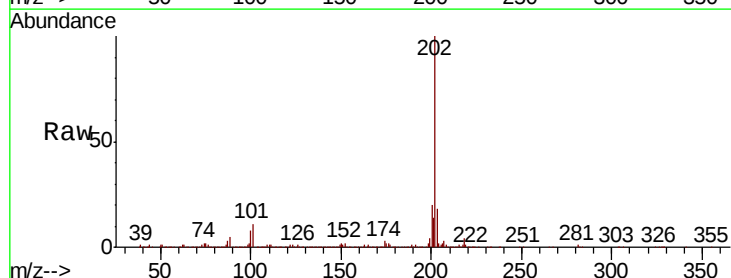
RT: 19.24 min Scan# 2764

Delta R.T. -0.01 min

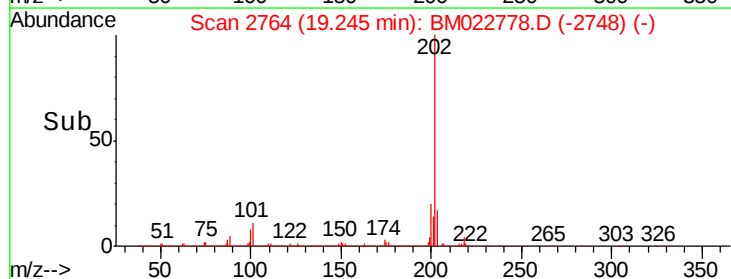
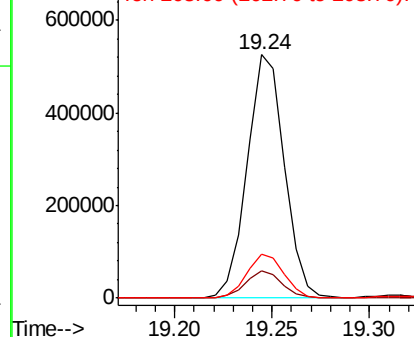
Lab File: BM022778.D

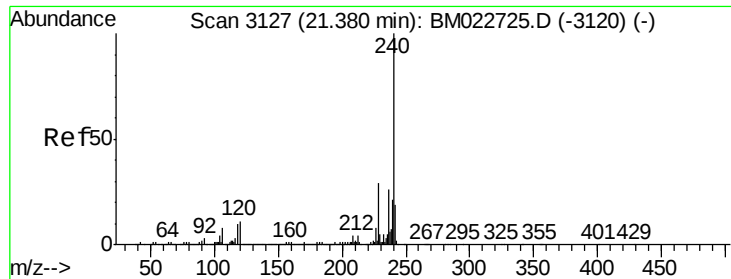
Acq: 25 Sep 2019 19:07

Tgt Ion:	202	Resp:	690667
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.1
203	17.8	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





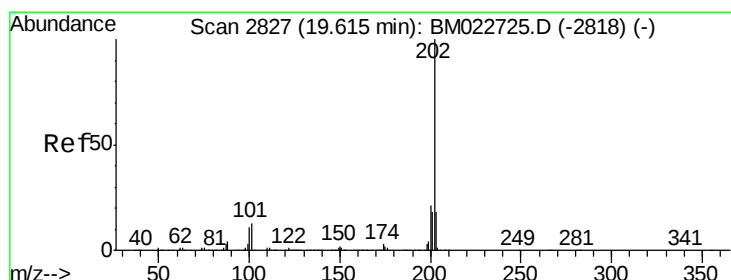
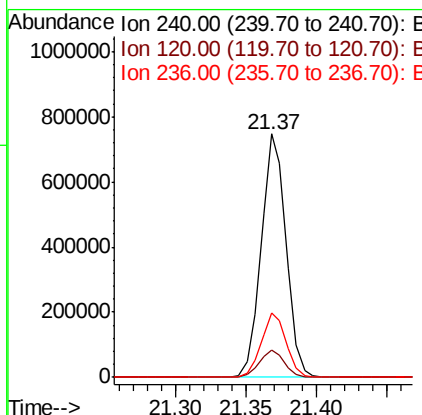
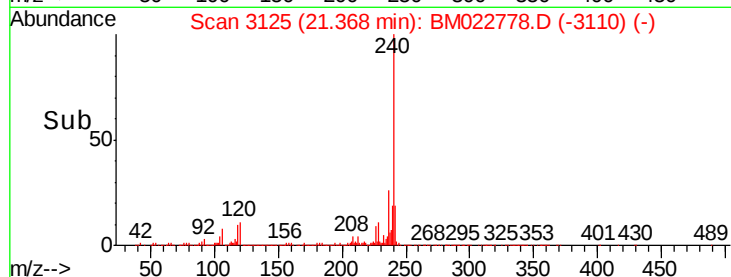
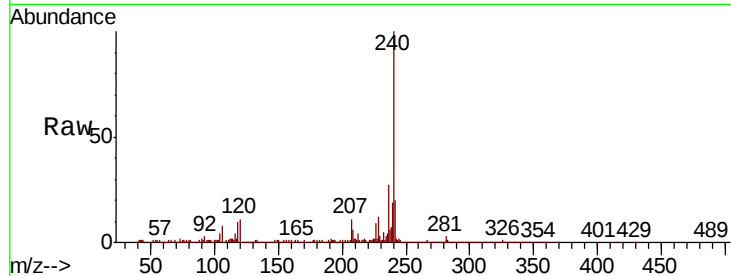
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.8	13.2
236	26.5	20.8	31.2

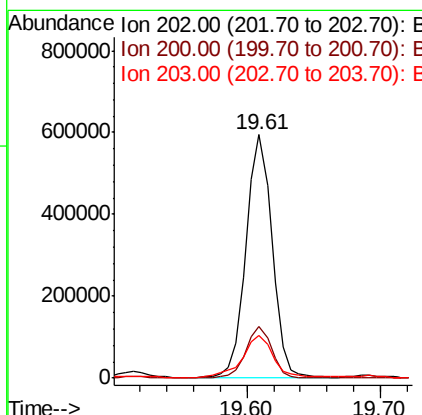
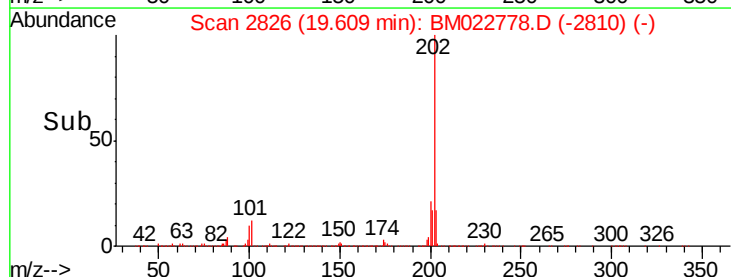
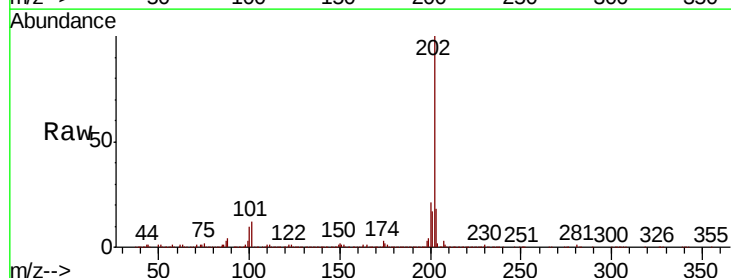
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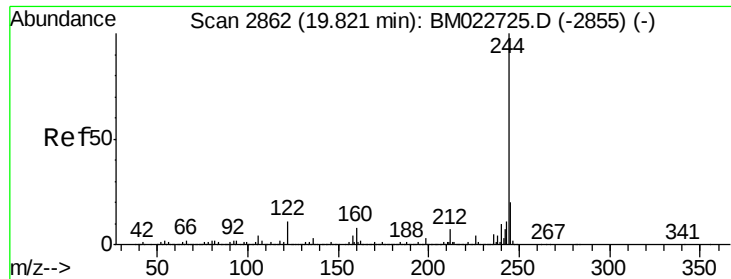
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#78
Pyrene
Concen: 13.159 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

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





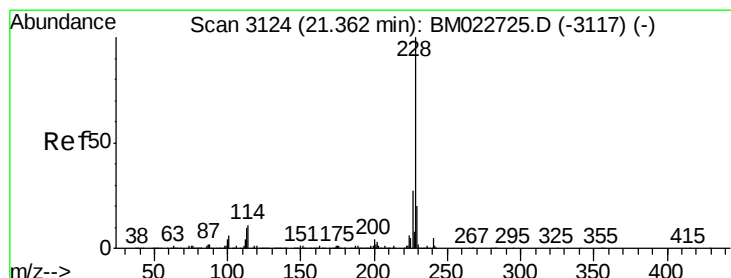
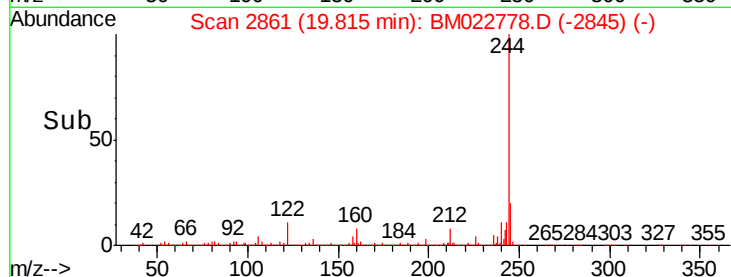
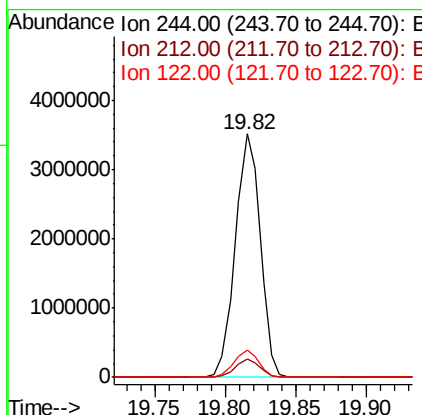
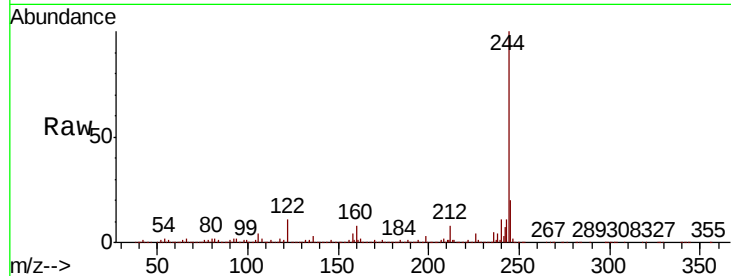
#79
 Terphenyl-d14
 Concen: 91.064 ng
 RT: 19.82 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Tot Ion:244 Resp: 4337053
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 11.1 9.0 13.4

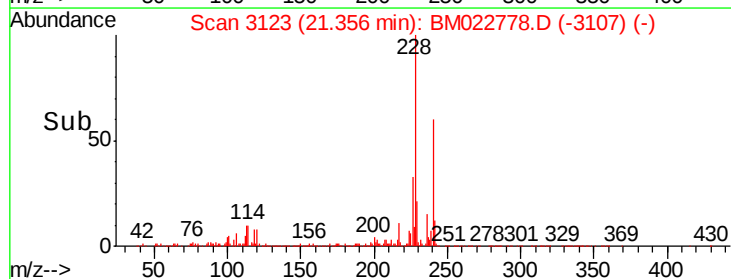
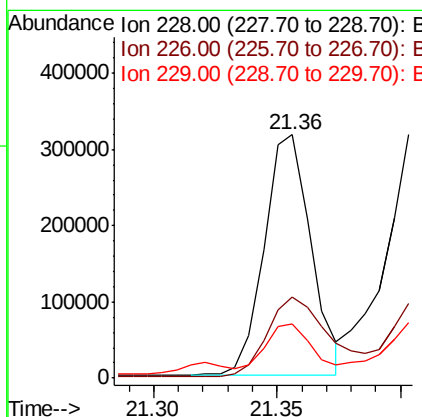
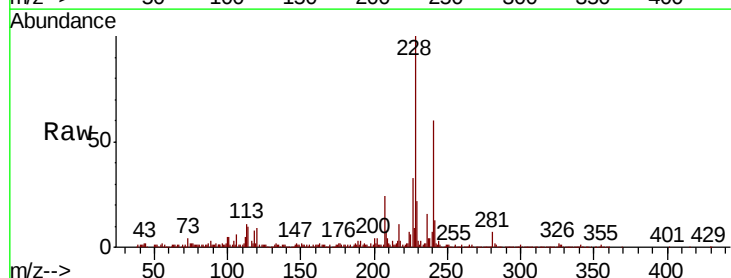
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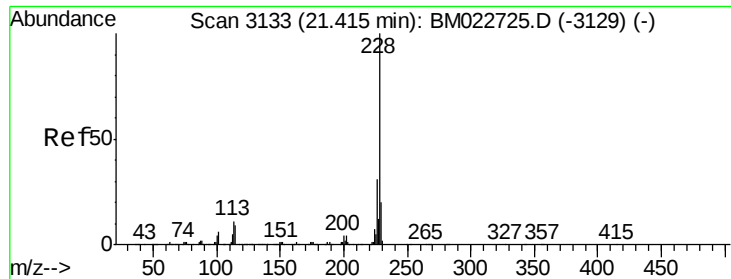
mohammad
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#81
 Benzo(a)anthracene
 Concen: 6.943 ng m
 RT: 21.36 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Tgt Ion:228 Resp: 414991
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.0 33.0#
 229 22.2 15.9 23.9





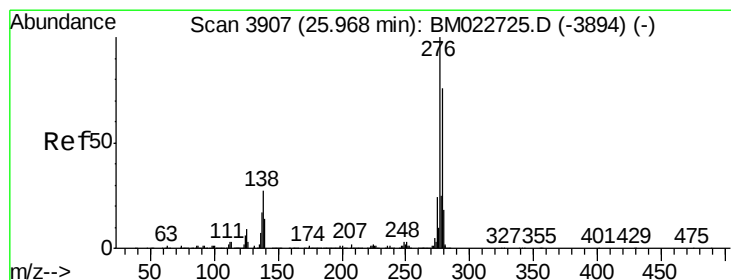
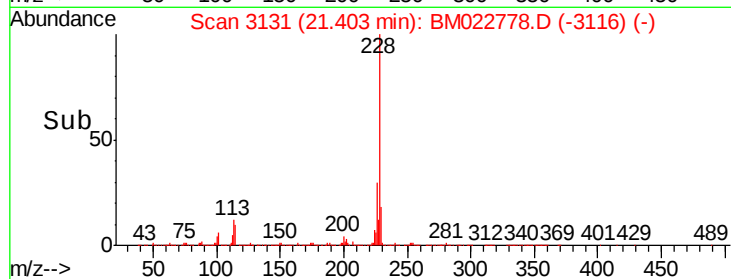
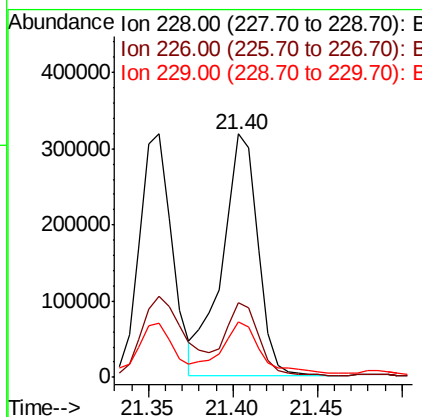
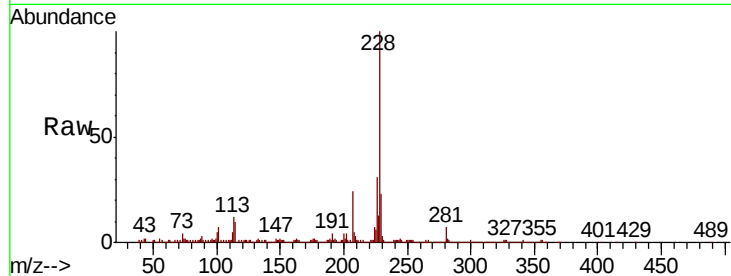
#83
Chrysene
Concen: 8.042 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	22.6	15.9	23.9

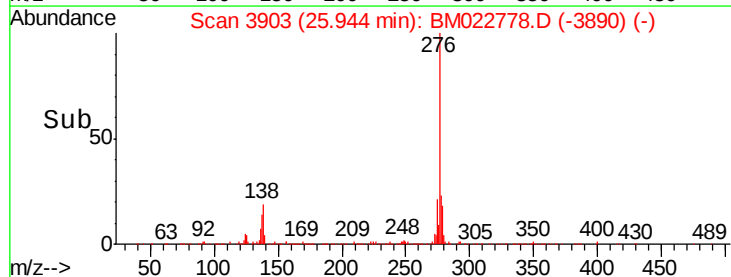
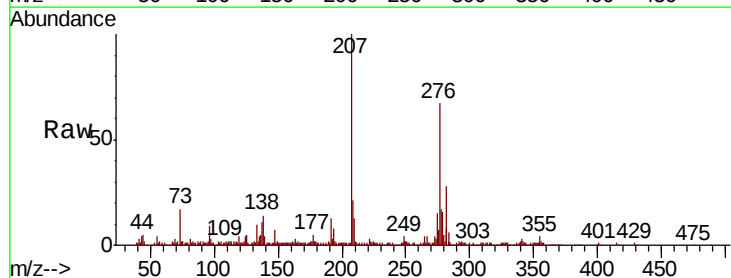
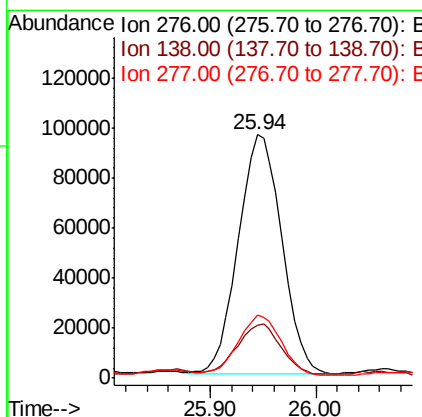
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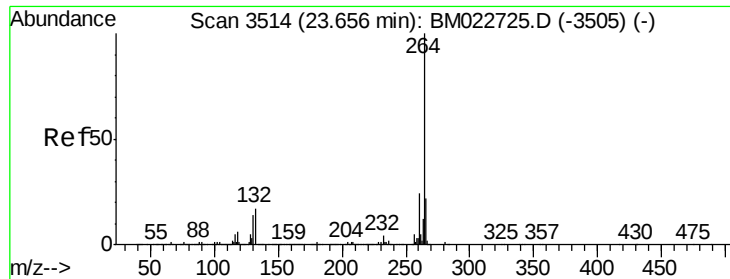
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.960 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	0.0	0.0#
277	25.0	0.0	0.0#





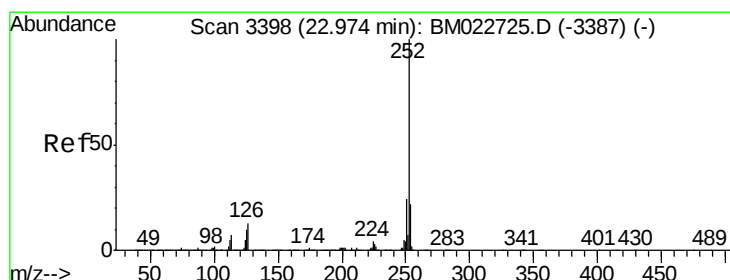
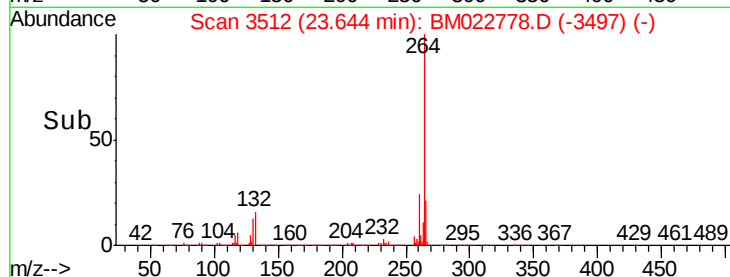
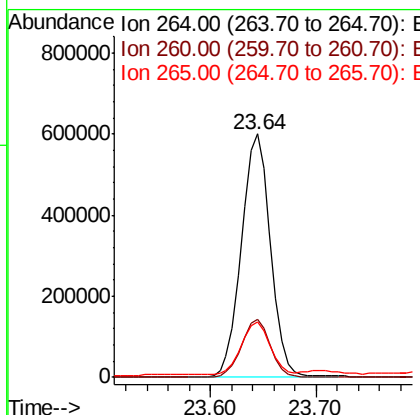
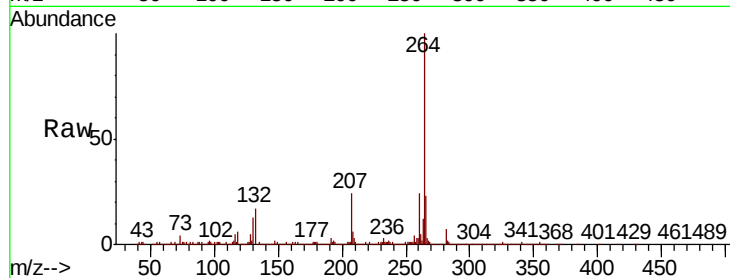
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.5	17.9	26.9

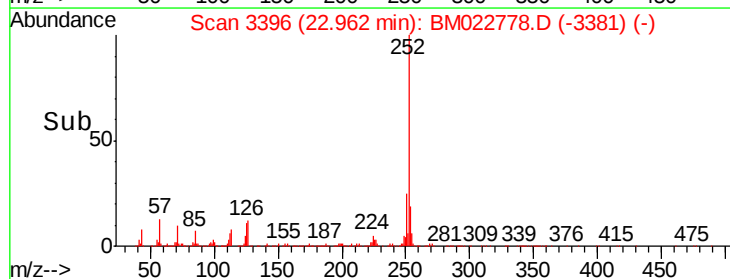
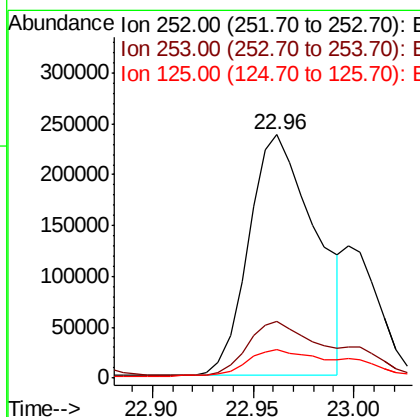
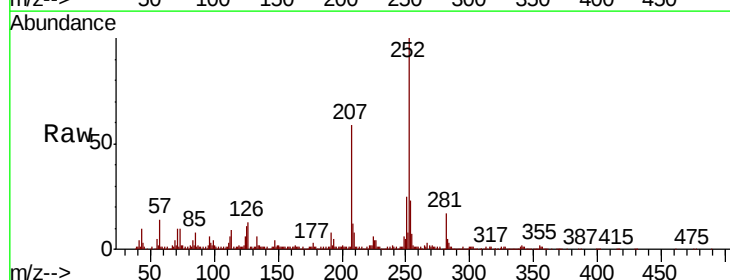
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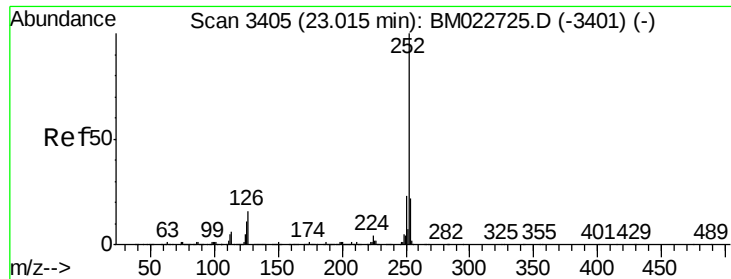
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#88
 Benzo(b)fluoranthene
 Concen: 7.888 ng m
 RT: 22.96 min Scan# 3396
 Delta R.T. -0.01 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.5	8.2	12.4





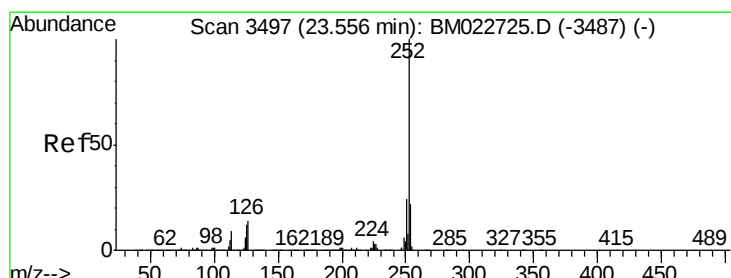
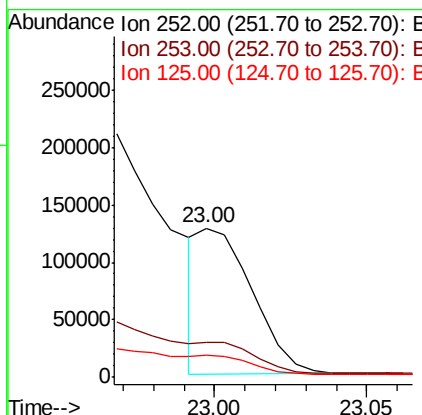
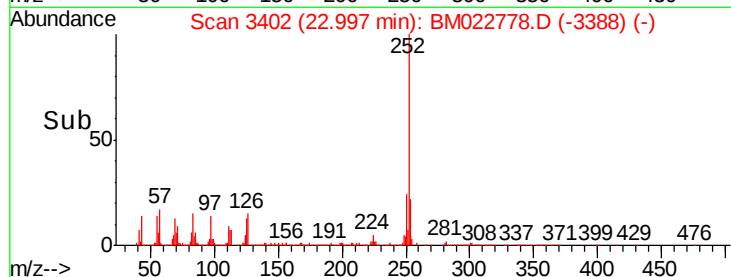
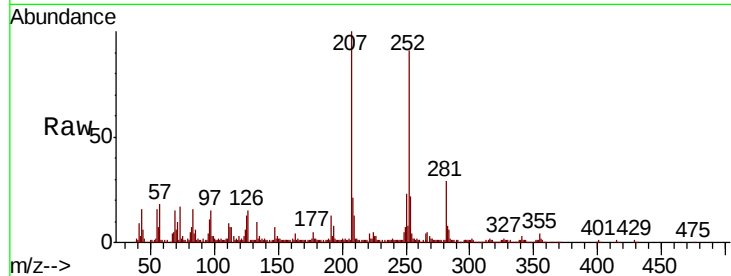
#89
Benzo(k)fluoranthene
Concen: 2.218 ng m
RT: 23.00 min Scan# 3402
Delta R.T. -0.02 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Instrument :
BNA_M
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	14.5	8.5	12.7

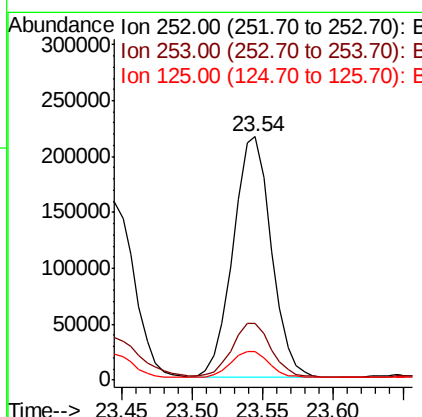
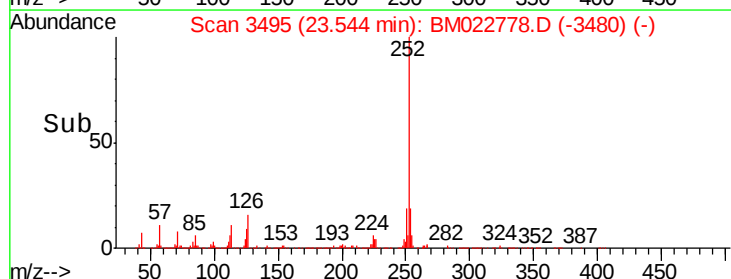
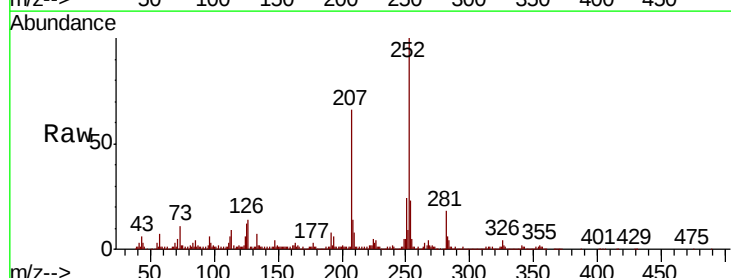
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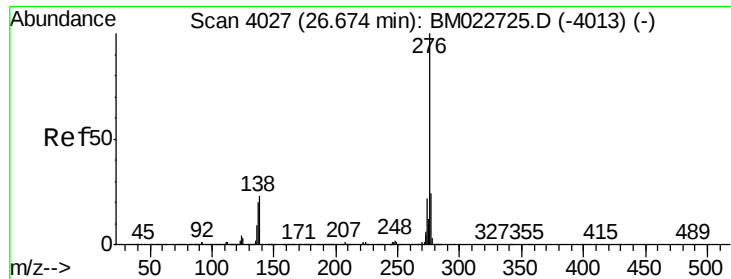
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#90
Benzo(a)pyrene
Concen: 6.368 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022778.D
Acq: 25 Sep 2019 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	11.6	9.3	13.9





#92
 Benzo(a,h,i)perylene
 Concen: 4.441 ng
 RT: 26.66 min Scan# 4024
 Delta R.T. -0.02 min
 Lab File: BM022778.D
 Acq: 25 Sep 2019 19:07

Instrument :
 BNA_M
 ClientSampleId :
 WC-11-091919

Tot Ion:	276	Resp:	281690
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.1	28.7
138	21.9	18.5	27.7

Manual Integrations
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