

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000225.D
 Acq On : 12 Sep 2019 19:45
 Operator : HP/JU
 Sample : K4633-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D12

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:09:36 AM

Quant Time: Sep 13 14:28:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	312341	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1178712	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	618869	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1109520	20.00	ng/ul	0.00
78) Chrysene-d12	14.18	240	910141	20.00	ng/ul	0.04
86) Perylene-d12	15.79	264	844356	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	31497	3.58	ng/uL	0.01
5) Phenol-d5	6.52	99	588686	22.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	305317	21.95	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	494423	22.98	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	443037	22.17	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	231927	25.91	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	253127	29.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	429694	23.23	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	47495	2.08	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1162206	25.43	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1368039	24.22	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	158080	19.36	ng/ul	0.00
58) Fluorene-d10	10.48	176	928285	23.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	95709	18.77	ng/ul	0.02
71) Anthracene-d10	11.52	188	1287733	23.97	ng/ul	0.00
79) Pyrene-d10	12.92	212	1300676	24.03	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.67	264	921890	21.06	ng/ul	0.09

Target Compounds

					Ovalue	
4) Benzaldehyde	6.45	77	17867	1.329	ng/ul	98
6) Phenol	6.53	94	112325	4.051	ng/ul	97
45) Dimethylphthalate	9.66	163	348115	7.549	ng/ul	100
70) Phenanthrene	11.48	178	371755	5.666	ng/ul	99
72) Anthracene	11.53	178	73372	1.136	ng/ul	98
75) Carbazole	11.69	167	73856	1.338	ng/ul	100
77) Fluoranthene	12.70	202	893826	13.506	ng/ul	99
80) Pyrene	12.93	202	727386	10.593	ng/ul	95
83) Benzo(a)anthracene	14.17	228	314962m	4.781	ng/ul	
84) Bis(2-ethylhexyl)phthalate	14.16	149	61277	1.638	ng/ul#	96
85) Chrysene	14.20	228	477350	7.896	ng/ul	96
88) Benzo(b)fluoranthene	15.32	252	408829m	7.305	ng/ul	
89) Benzo(k)fluoranthene	15.32	252	313276m	5.939	ng/ul	
91) Benzo(a)pyrene	15.71	252	213996	4.076	ng/ul#	86
92) Indeno(1,2,3-cd)pyrene	17.40	276	168319	2.787	ng/ul#	72
93) Dibenzo(a,h)anthracene	17.40	278	64321m	1.286	ng/ul	
94) Benzo(g,h,i)perylene	17.88	276	184622m	3.666	ng/ul	

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

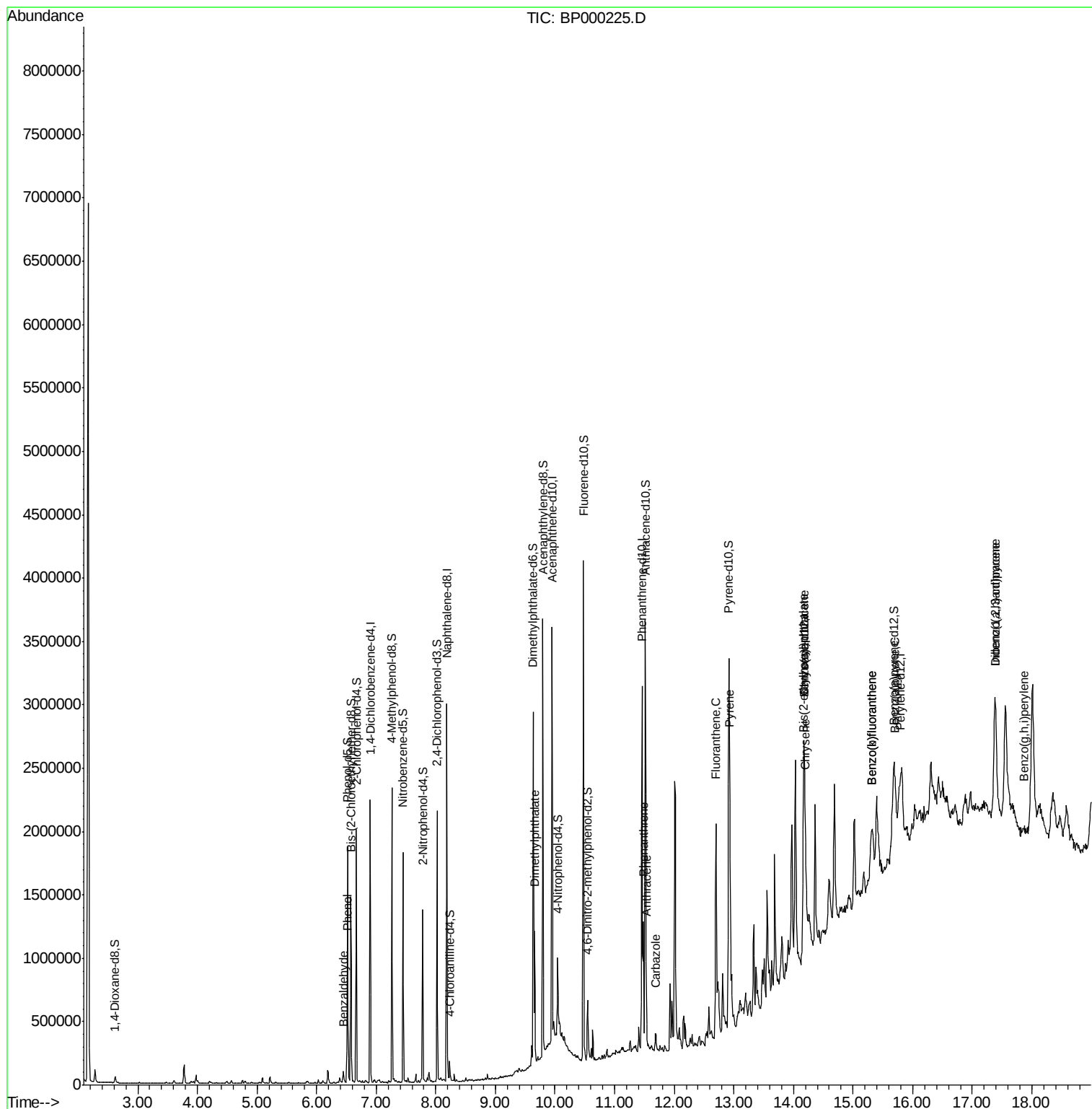
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000225.D
Acq On : 12 Sep 2019 19:45
Operator : HP/JU
Sample : K4633-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

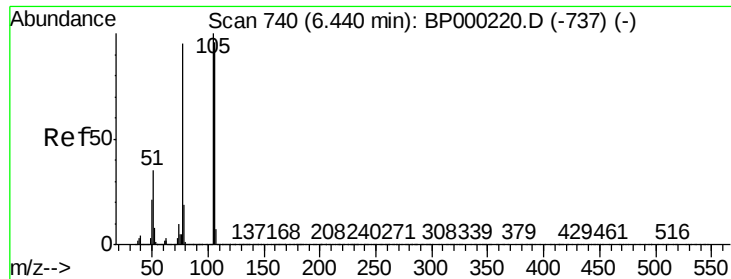
Instrument :
BNA_P
ClientSampled :
F2D12

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Quant Time: Sep 13 14:28:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.329 ng/ul

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000225.D

Acq: 12 Sep 2019 19:45

Instrument :

BNA_P

ClientSampled :

F2D12

Tot Ion: 77 Resp: 17867

Ion Ratio Lower Upper

77 100

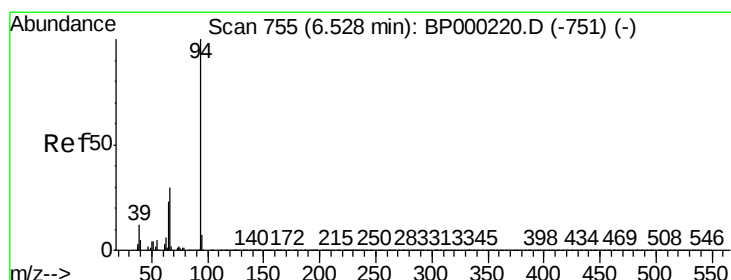
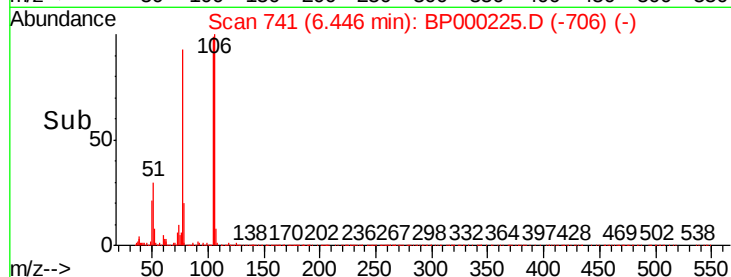
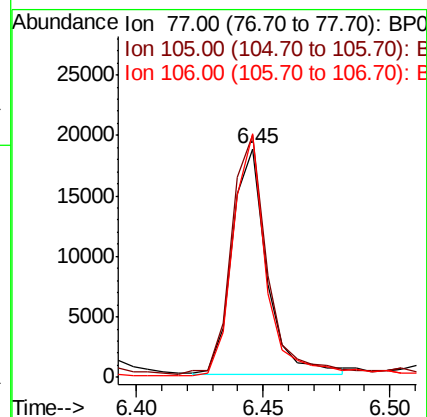
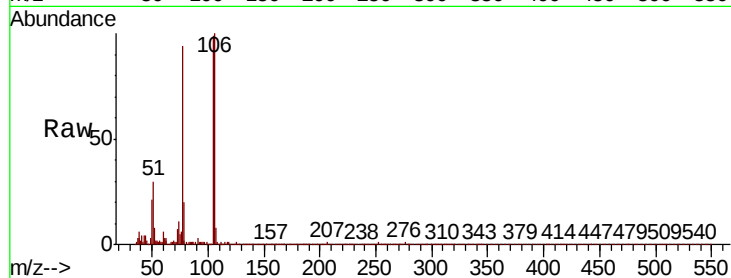
105 105.9 87.5 131.3

106 106.5 84.7 127.1

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#6

Phenol

Concen: 4.051 ng/ul

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BP000225.D

Acq: 12 Sep 2019 19:45

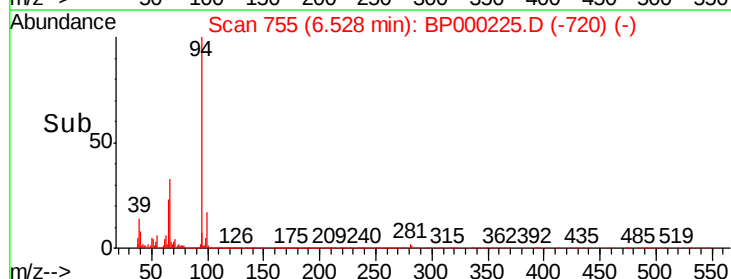
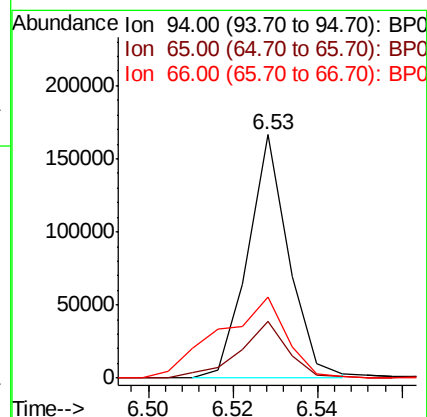
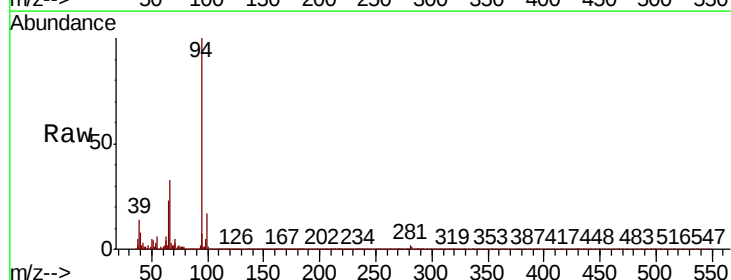
Tgt Ion: 94 Resp: 112325

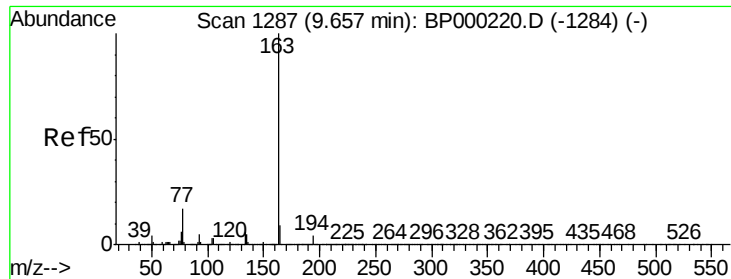
Ion Ratio Lower Upper

94 100

65 23.4 18.8 28.2

66 33.3 24.2 36.2





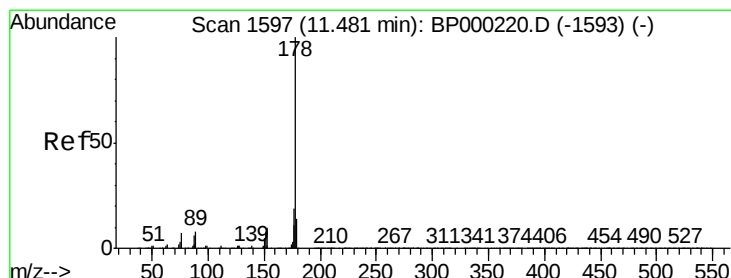
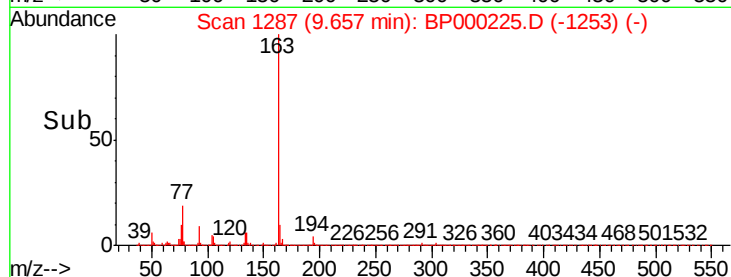
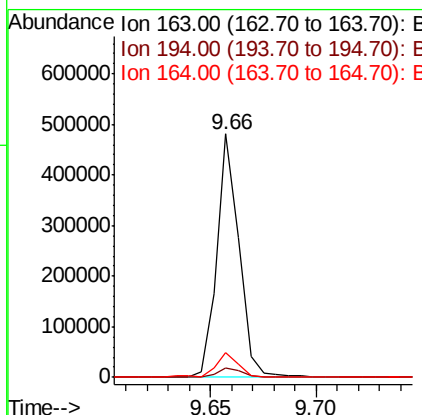
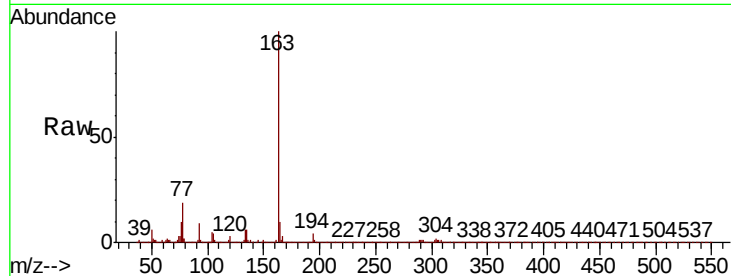
#45
Dimethylphthalate
Concen: 7.549 ng/ul
RT: 9.66 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Instrument :
BNA_P
ClientSampleId :
F2D12

Tot Ion	Ratio	Resp	Lower	Upper
163	100	348115		
194	3.9		3.2	4.8
164	10.4		8.4	12.6

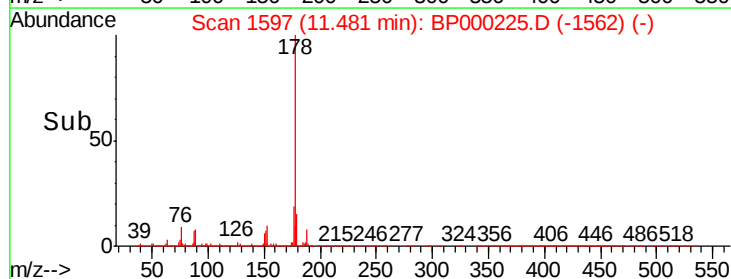
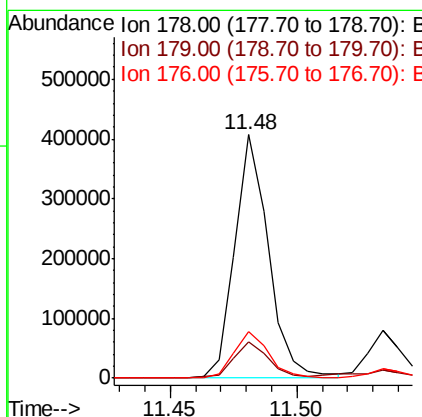
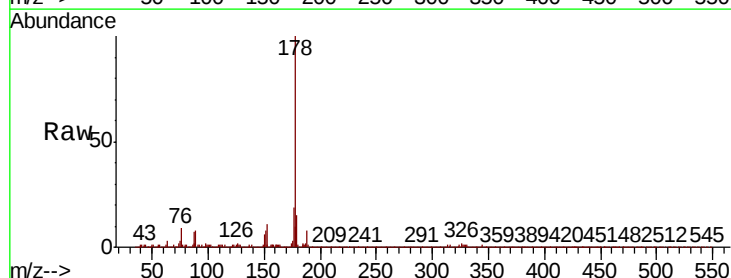
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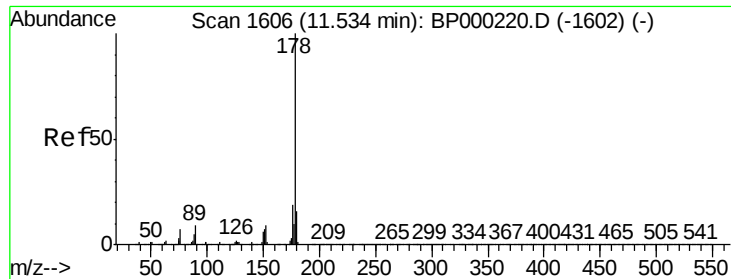
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#70
Phenanthrene
Concen: 5.666 ng/ul
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	371755		
179	15.0		12.5	18.7
176	19.2		15.7	23.5





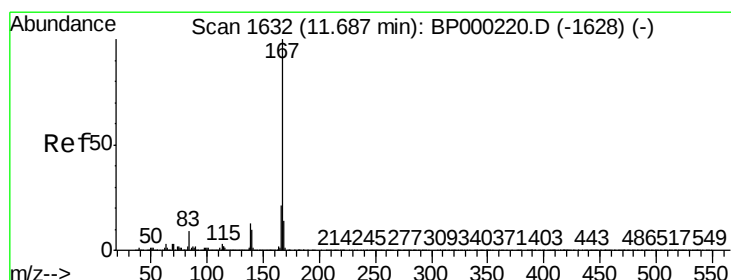
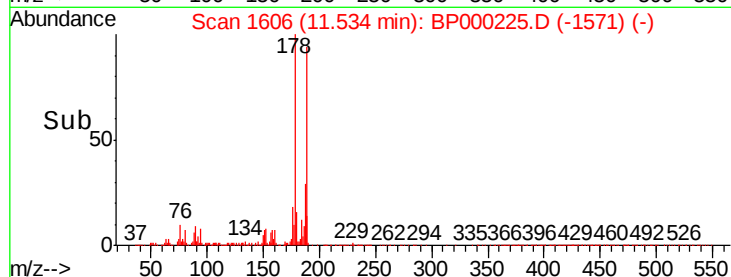
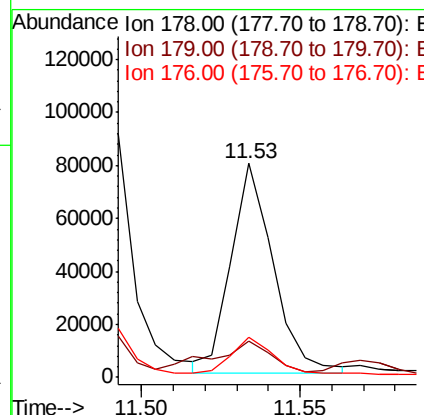
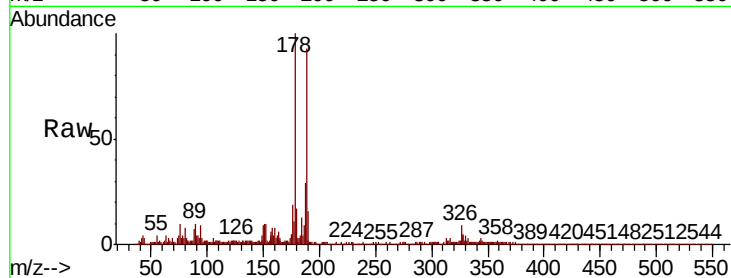
#72
 Anthracene
 Concen: 1.136 ng/ul
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: BP000225.D
 Acq: 12 Sep 2019 19:45

Instrument :
 BNA_P
 ClientSampleId :
 F2D12

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.3	18.5
176	18.9	15.1	22.7

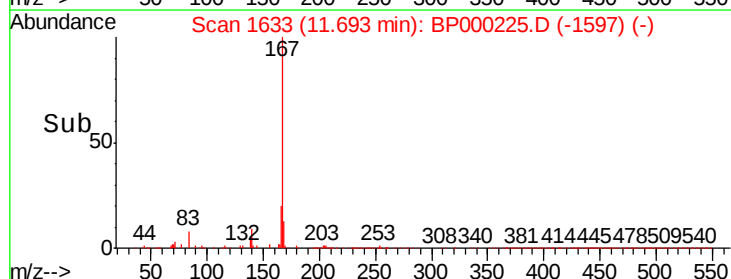
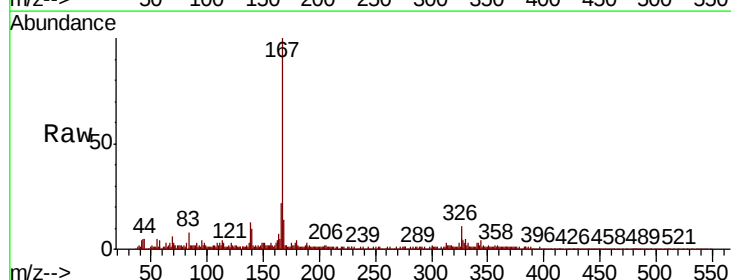
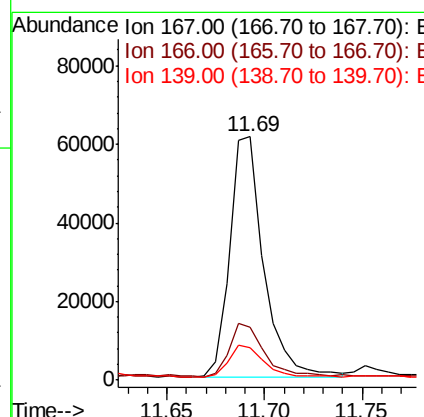
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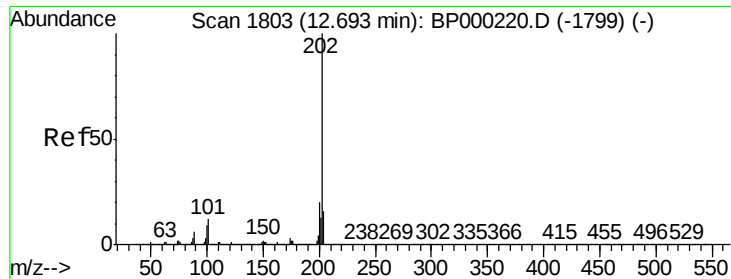
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#75
 Carbazole
 Concen: 1.338 ng/ul
 RT: 11.69 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BP000225.D
 Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.2	10.6	15.8





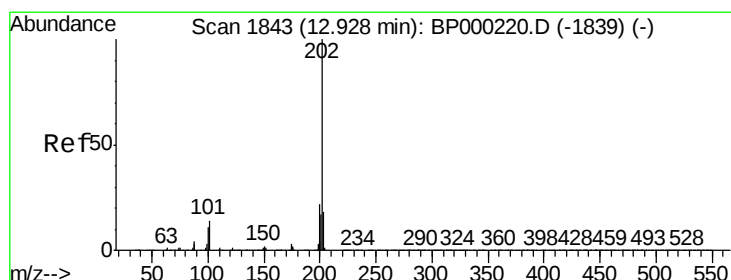
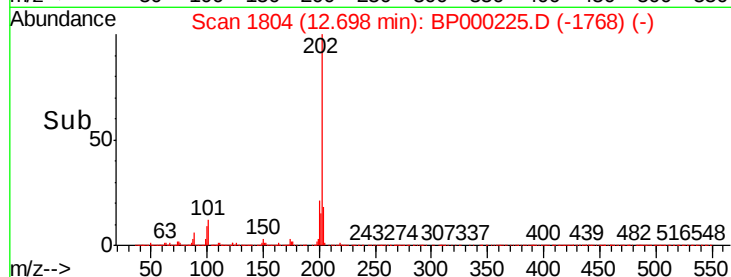
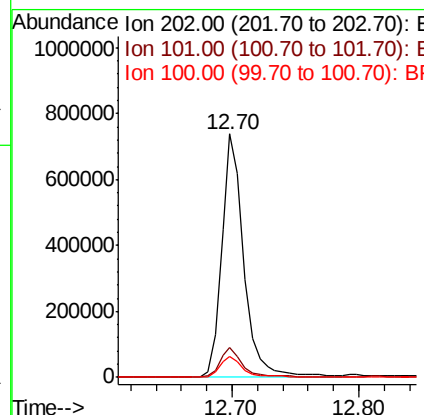
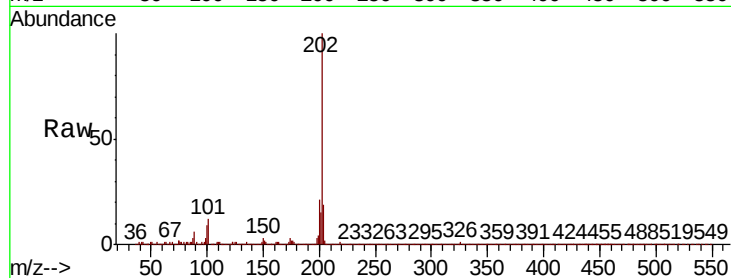
#77
Fluoranthene
Concen: 13.506 ng/ul
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Instrument :
BNA_P
ClientSampleID :
F2D12

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	10.0	15.0
100	8.6	7.4	11.2

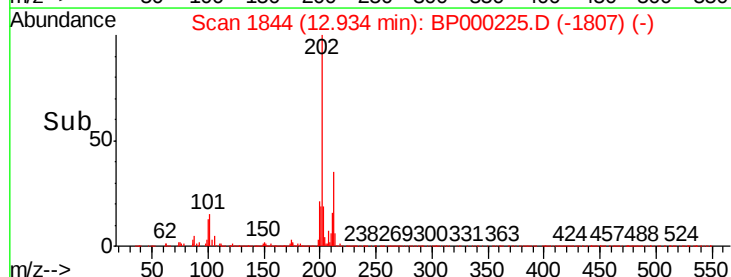
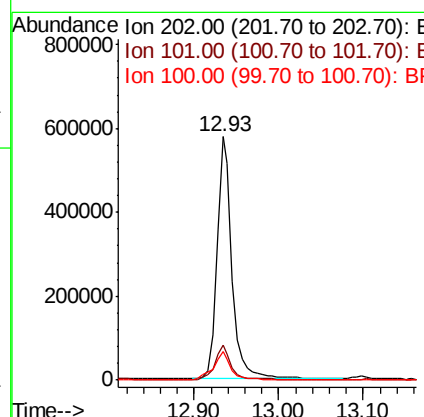
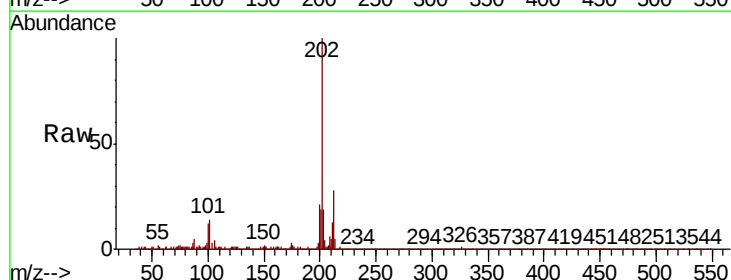
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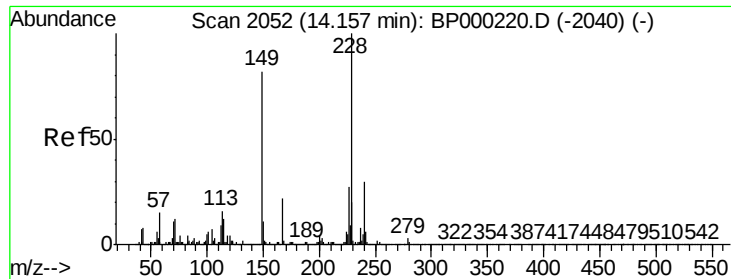
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#80
Pyrene
Concen: 10.593 ng/ul
RT: 12.93 min Scan# 1844
Delta R.T. 0.02 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	13.4	20.0
100	12.0	10.8	16.2





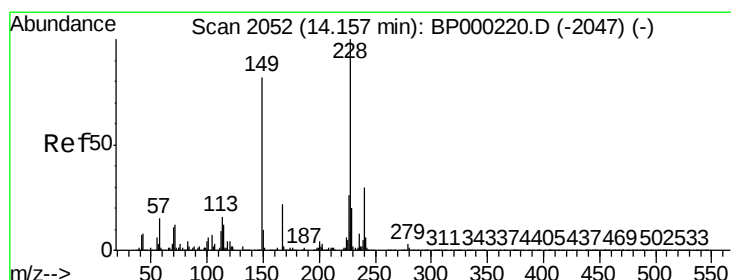
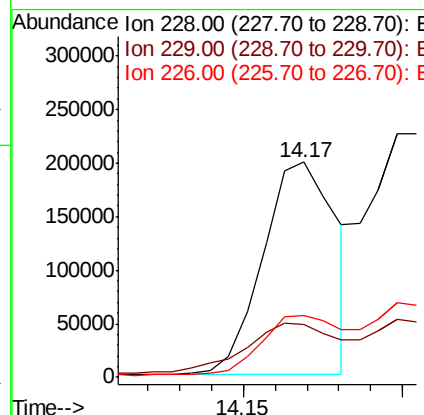
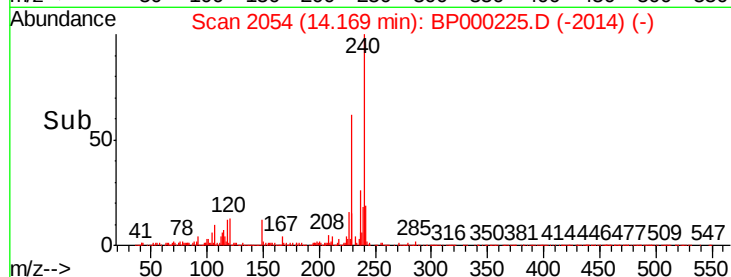
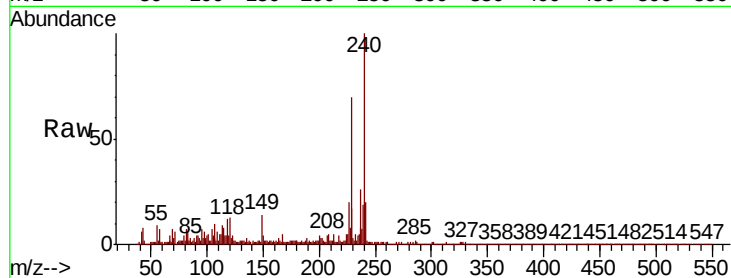
#83
Benzo(a)anthracene
Concen: 4.781 ng/ul m
RT: 14.17 min Scan# 2054
Delta R.T. 0.04 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Instrument :
BNA_P
ClientSampleId :
F2D12

Tot Ion	Ratio	Lower	Upper
228	100		
229	24.6	15.9	23.9#
226	29.0	22.1	33.1

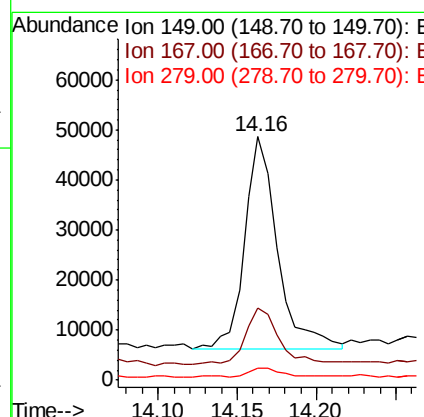
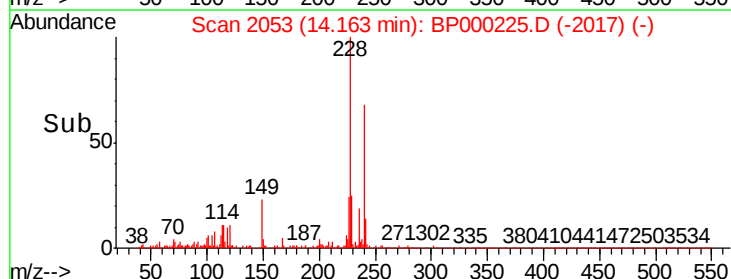
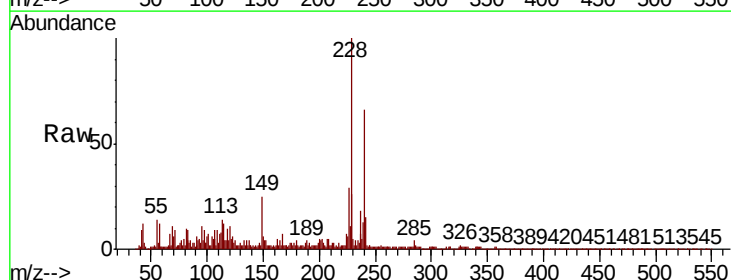
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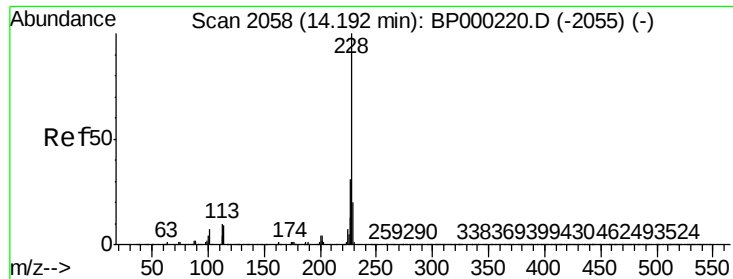
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#84
Bis(2-ethylhexyl)phthalate
Concen: 1.638 ng/ul
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.5	21.8	32.8
279	4.8	3.0	4.4#





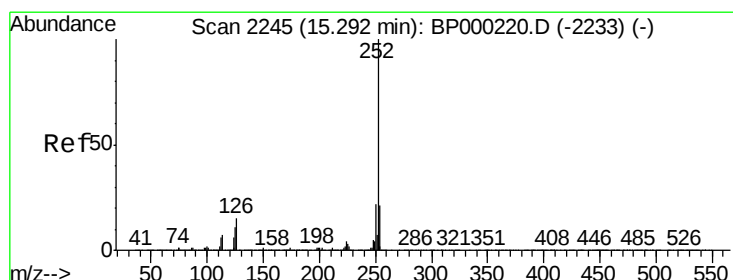
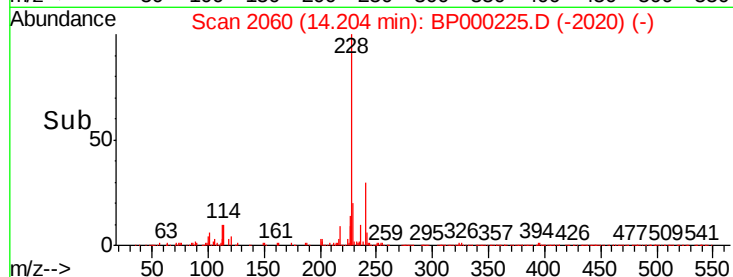
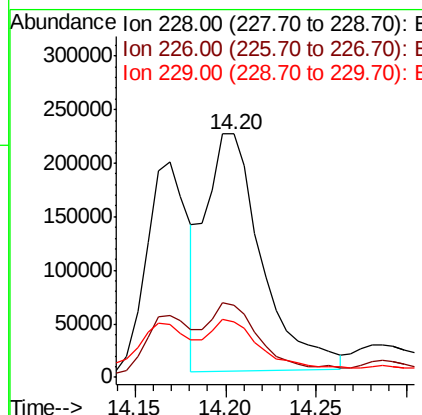
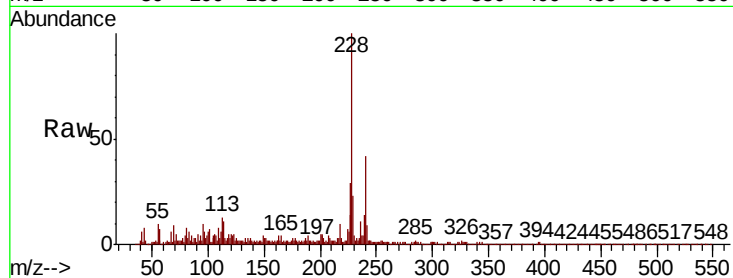
#85
Chrysene
Concen: 7.896 ng/ul
RT: 14.20 min Scan# 2060
Delta R.T. 0.04 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Instrument :
BNA_P
ClientSampleId :
F2D12

Tot Ion:	228	Resp:	477350
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.4	36.6
229	22.9	16.0	24.0

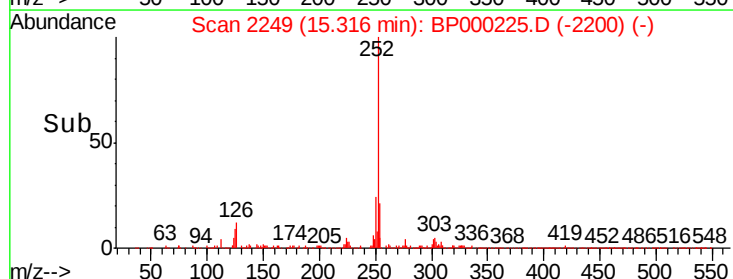
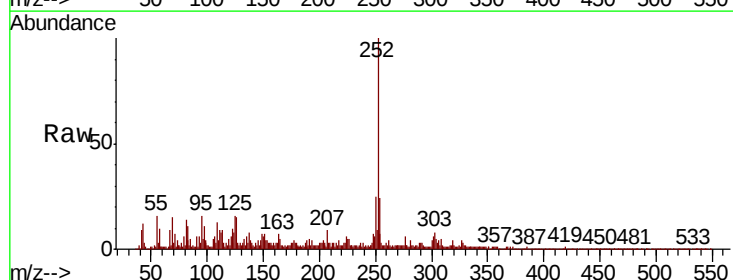
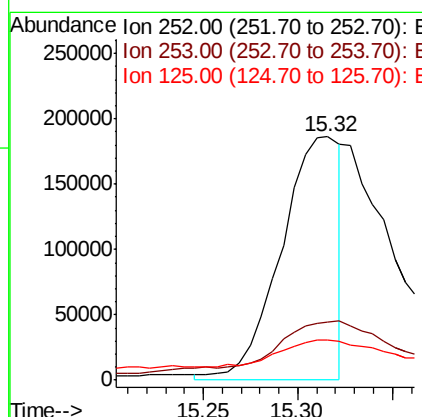
Manual Integrations
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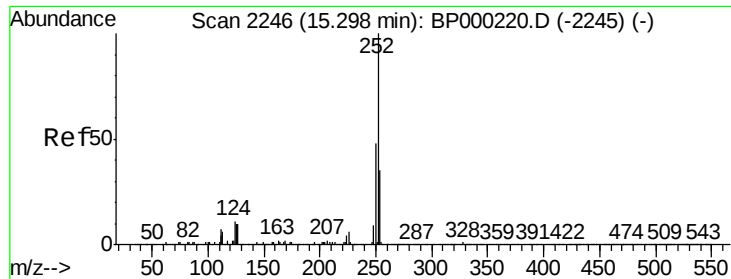
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#88
Benzo(b)fluoranthene
Concen: 7.305 ng/ul m
RT: 15.32 min Scan# 2249
Delta R.T. 0.09 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Tgt Ion:	252	Resp:	408829
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.5	26.3
125	16.3	9.9	14.9#





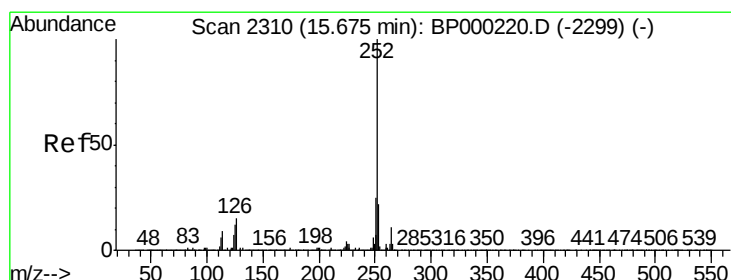
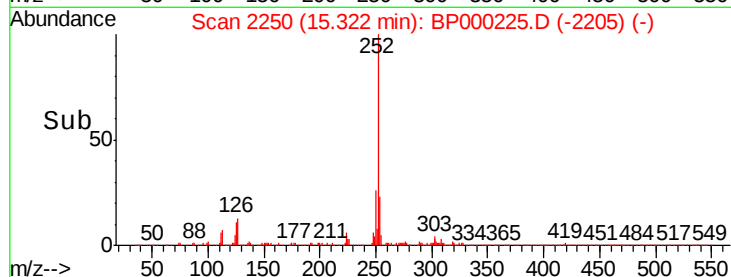
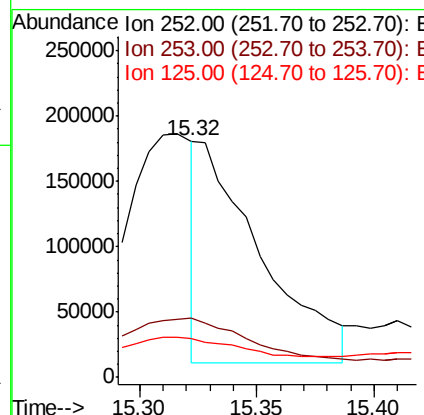
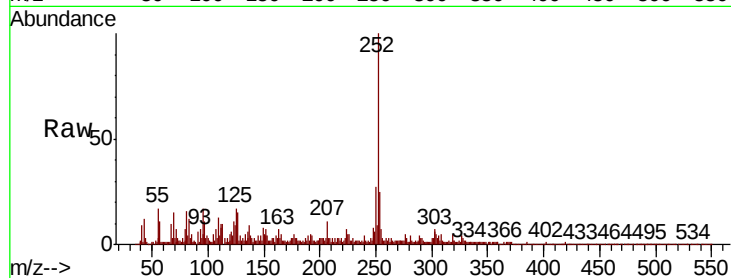
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Benzo(k)fluoranthene
Concen: 5.939 ng/ul m
RT: 15.32 min Scan# 2250
Delta R.T. 0.06 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Instrument :
BNA_P
ClientSampled :
F2D12

Tot Ion	Ratio	Resp	Lower	Upper
252	100	313276		
253	25.3	18.0	27.0	
125	16.6	10.2	15.2	

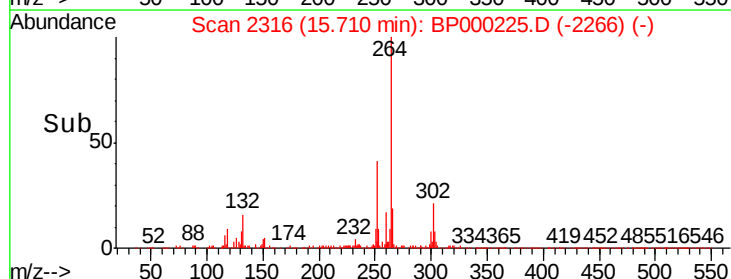
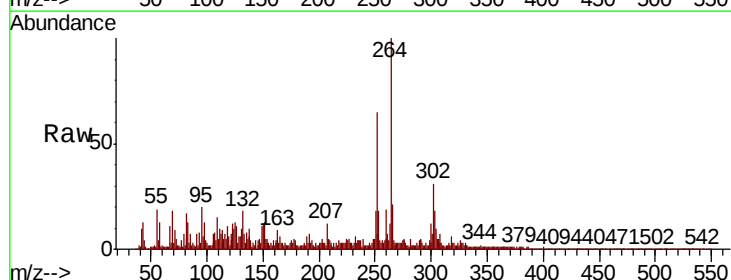
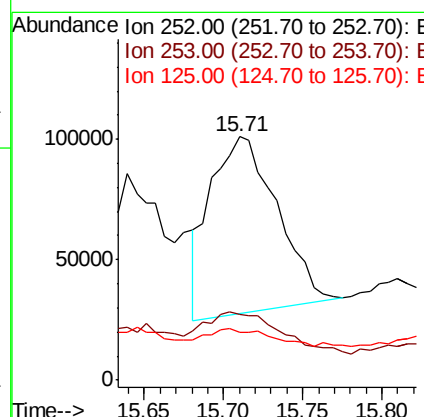
Manual Integrations
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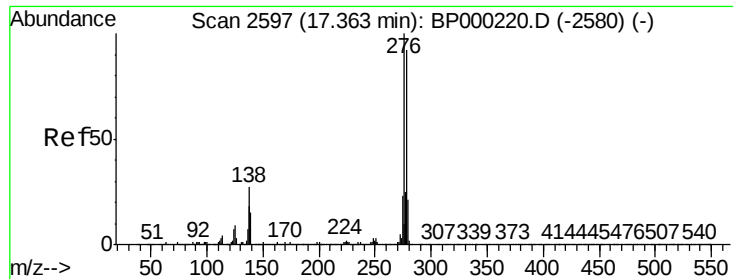
mohammad
9/16/2019 9:09:36 AM



#91
Benzo(a)pyrene
Concen: 4.076 ng/ul
RT: 15.71 min Scan# 2316
Delta R.T. 0.09 min
Lab File: BP000225.D
Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	213996		
253	27.2	17.5	26.3	
125	19.8	10.2	15.2	





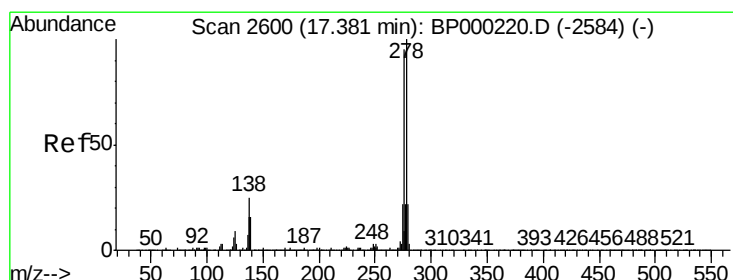
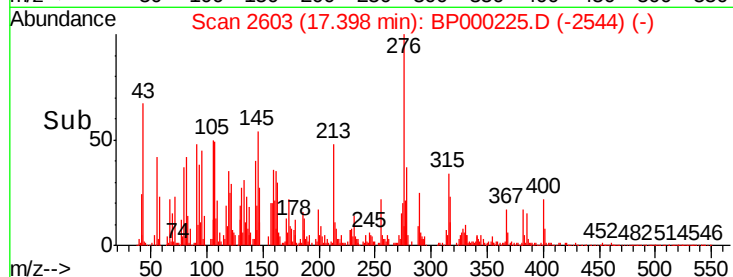
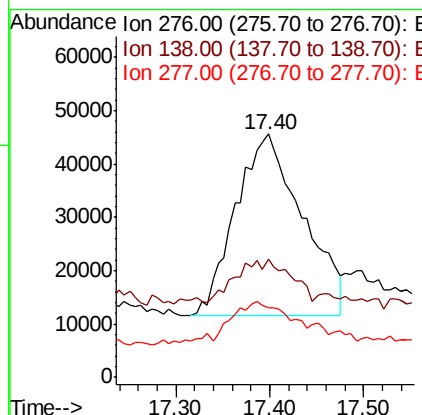
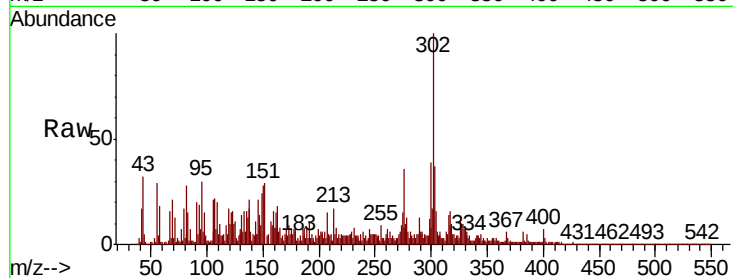
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.787 ng/ul
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.15 min
 Lab File: BP000225.D
 Acq: 12 Sep 2019 19:45

Instrument :
 BNA_P
 ClientSampleId :
 F2D12

Tot Ion	Ratio	Lower	Upper
276	100		
138	48.4	20.0	30.0#
277	28.6	19.4	29.0

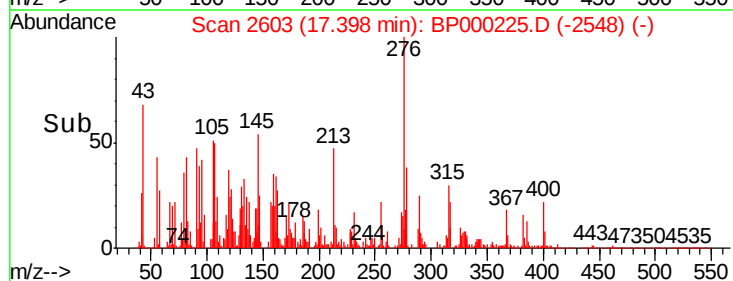
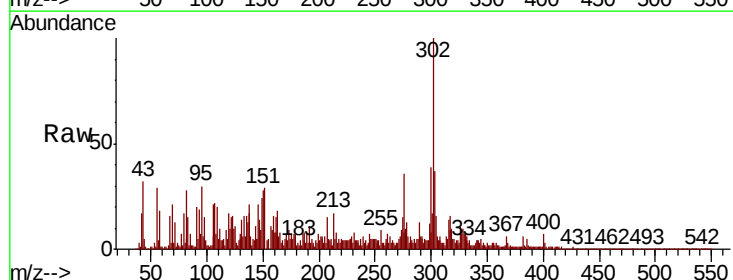
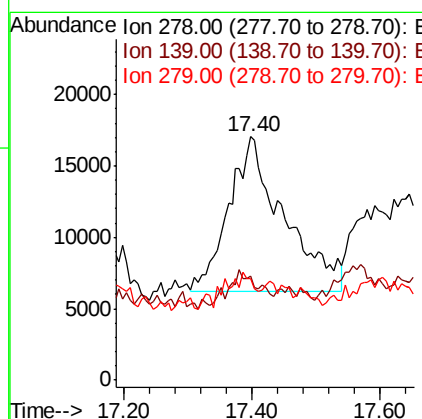
Manual Integrations
 APPROVED

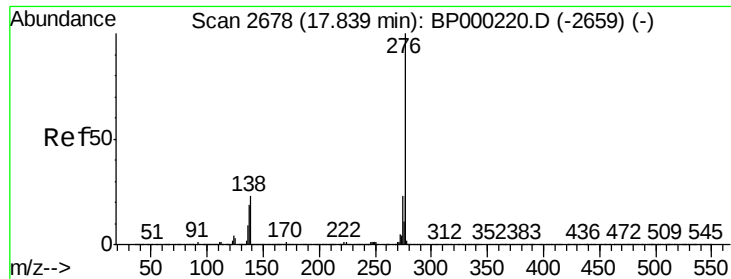
mohammad
 9/16/2019 9:09:36 AM



#93
 Dibenzo(a,h)anthracene
 Concen: 1.286 ng/ul m
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.12 min
 Lab File: BP000225.D
 Acq: 12 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.8	15.1	22.7#
279	41.9	19.2	28.8#





#94

Benzo(a,h,i)perylene

Concen: 3.666 ng/ul m

RT: 17.88 min Scan# 2685

Delta R.T. 0.16 min

Lab File: BP000225.D

Acq: 12 Sep 2019 19:45

Instrument :

BNA_P

ClientSampleId :

F2D12

Tot Ion:	276	Resp:	184622
Ion Ratio	Lower	Upper	
276	100		
138	45.2	20.0	30.0#
277	27.8	19.1	28.7

Manual Integrations
APPROVED

mohammad
9/16/2019 9:09:36 AM

