

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000224.D
 Acq On : 12 Sep 2019 19:20
 Operator : HP/JU
 Sample : K4633-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F2D07

Manual Integrations
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mohammad
 9/16/2019 9:09:33 AM

Quant Time: Sep 13 05:49:37 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	345802	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1280908	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	661216	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1158892	20.00	ng/ul	0.01
78) Chrysene-d12	14.22	240	547974m	20.00	ng/ul	0.08
86) Perylene-d12	15.89	264	622901m	20.00	ng/ul	0.21

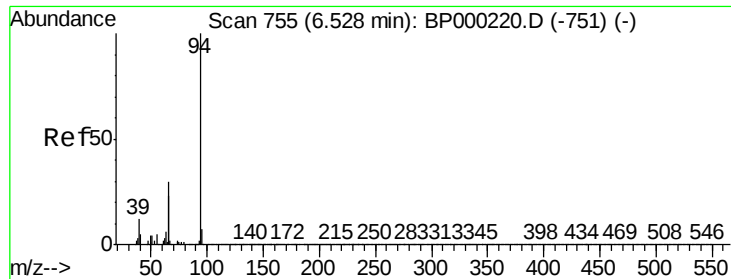
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	34708	3.56	ng/uL	0.01
5) Phenol-d5	6.52	99	675593	22.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	342811	22.26	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	576777	24.21	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	472520	21.36	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	270010	27.76	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	297390	31.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	535107	26.63	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	551737	22.20	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1419229	29.07	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1713724	28.40	ng/ul	0.00
52) 4-Nitrophenol-d4	10.05	143	180442	20.68	ng/ul	0.01
58) Fluorene-d10	10.47	176	1147472	27.67	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	98137	18.42	ng/ul	0.02
71) Anthracene-d10	11.52	188	1513683	26.97	ng/ul	0.01
79) Pyrene-d10	12.93	212	1396072	42.84	ng/ul	0.03
90) Benzo(a)pyrene-d12	15.83	264	588273m	18.22	ng/ul	0.24

Target Compounds

					Ovalue	
6) Phenol	6.53	94	110759	3.608	ng/ul	97
28) Naphthalene	8.20	128	353727	5.070	ng/ul	100
34) 2-Methylnaphthalene	8.90	142	82040	1.722	ng/ul	96
45) Dimethylphthalate	9.66	163	568048	11.530	ng/ul	100
50) Acenaphthene	9.99	153	978546	22.403	ng/ul	97
54) Dibenzofuran	10.16	168	301028	5.023	ng/ul	98
59) Fluorene	10.50	166	449801	9.703	ng/ul	97
70) Phenanthrene	11.49	178	6444999	94.041	ng/ul	94
72) Anthracene	11.54	178	2021188	29.971	ng/ul	98
75) Carbazole	11.69	167	1536238	26.643	ng/ul	99
77) Fluoranthene	12.73	202	14400019	208.321	ng/ul	95
80) Pyrene	12.97	202	13471127	325.844	ng/ul#	92
83) Benzo(a)anthracene	14.20	228	15782778m	397.889	ng/ul	
85) Chrysene	14.26	228	12245348m	336.419	ng/ul	
88) Benzo(b)fluoranthene	15.43	252	20405683	494.270	ng/ul#	96
89) Benzo(k)fluoranthene	15.46	252	21752420m	558.951	ng/ul	
91) Benzo(a)pyrene	15.83	252	16779264m	433.182	ng/ul	
92) Indeno(1,2,3-cd)pyrene	17.62	276	14690616m	329.666	ng/ul	
93) Dibenzo(a,h)anthracene	17.57	278	4020619m	108.930	ng/ul	
94) Benzo(g,h,i)perylene	18.12	276	12727542m	342.557	ng/ul	

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



#6

Phenol

Concen: 3.608 ng/ul

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

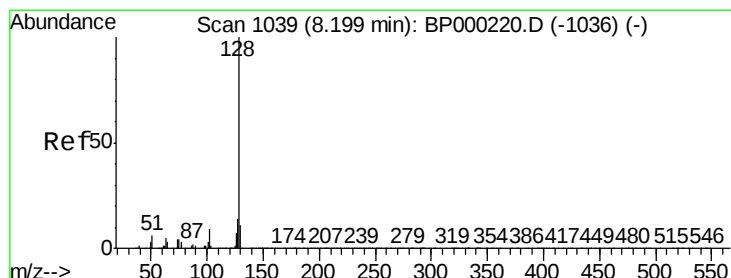
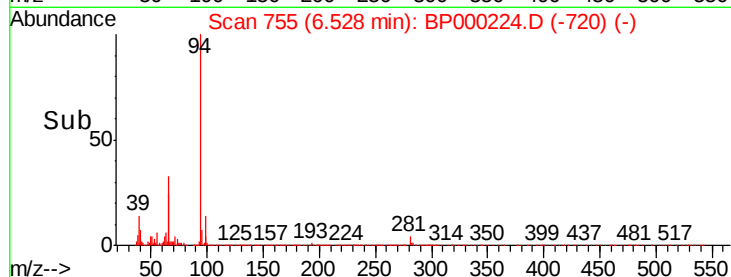
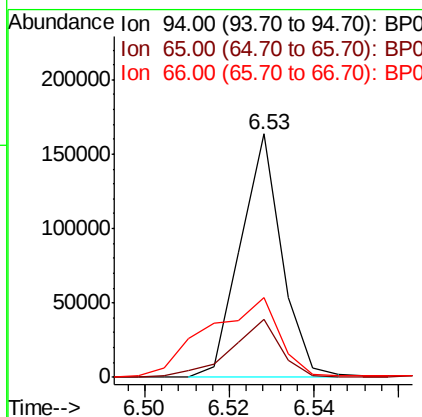
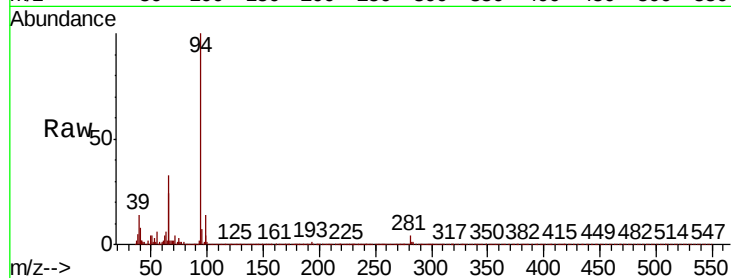
ClientSampleId :

F2D07

Tot Ion:	94	Resp:	110759
Ion Ratio	Lower	Upper	
94	100		
65	24.0	18.8	28.2
66	32.6	24.2	36.2

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#28

Naphthalene

Concen: 5.070 ng/ul

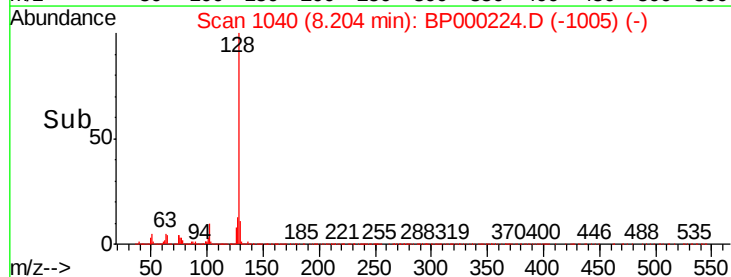
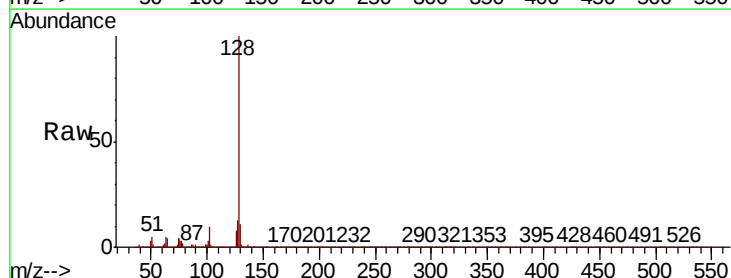
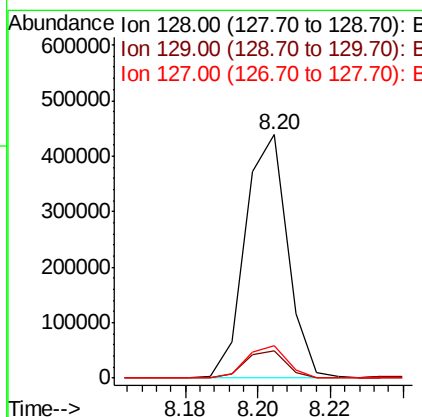
RT: 8.20 min Scan# 1040

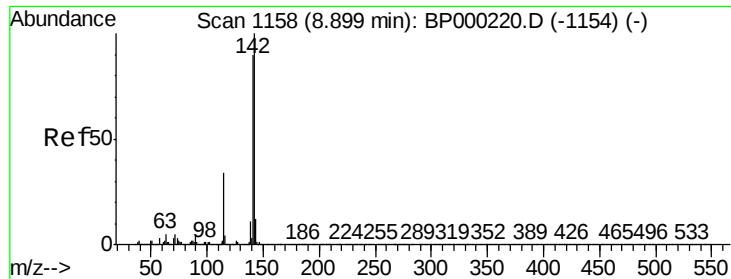
Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Tgt Ion:	128	Resp:	353727
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.1	13.7
127	13.2	10.7	16.1





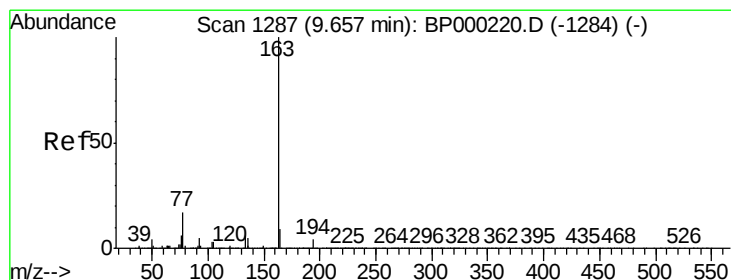
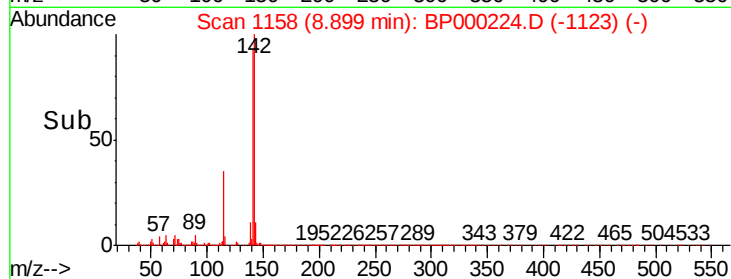
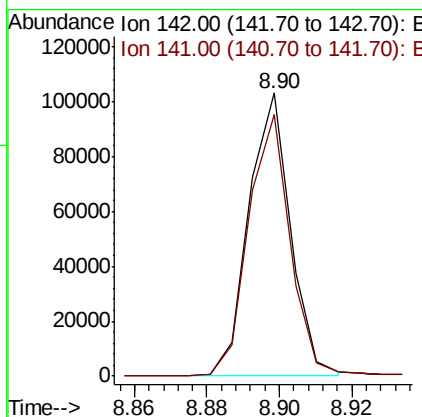
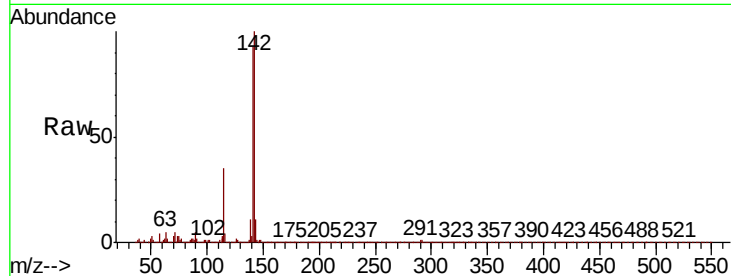
#34
2-Methylnaphthalene
Concen: 1.722 ng/ul
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.4	107.0

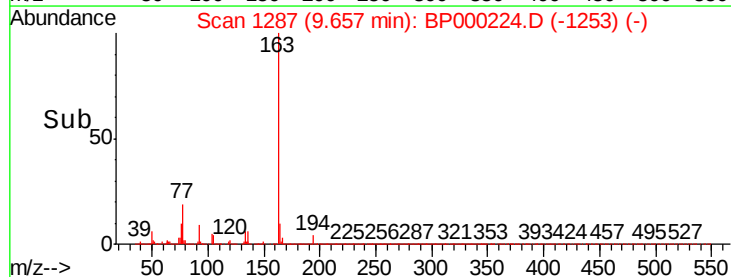
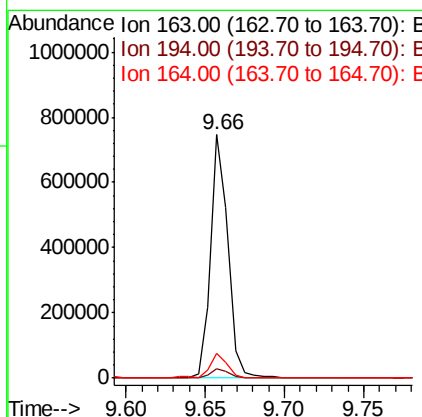
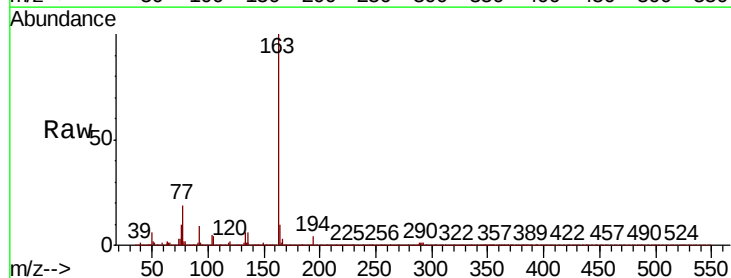
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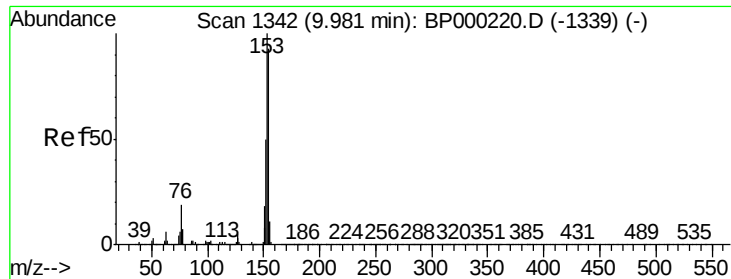
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#45
Dimethylphthalate
Concen: 11.530 ng/ul
RT: 9.66 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.4	12.6





#50

Acenaphthene

Concen: 22.403 ng/ul

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

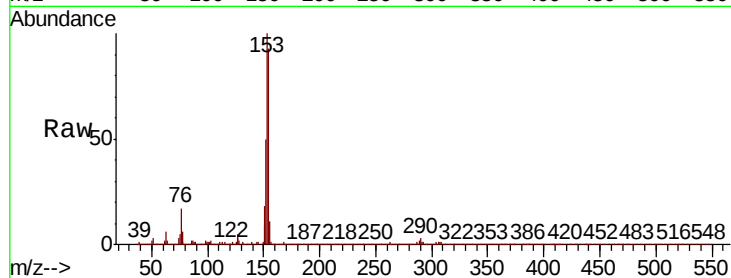
ClientSampleId :

F2D07

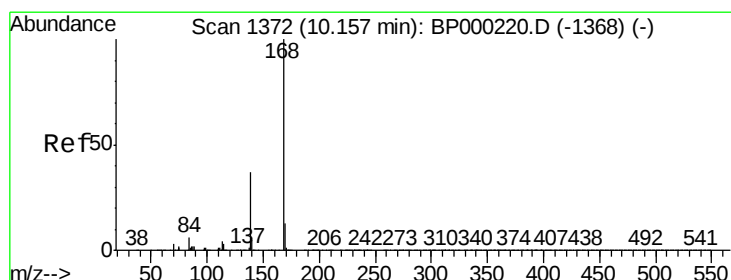
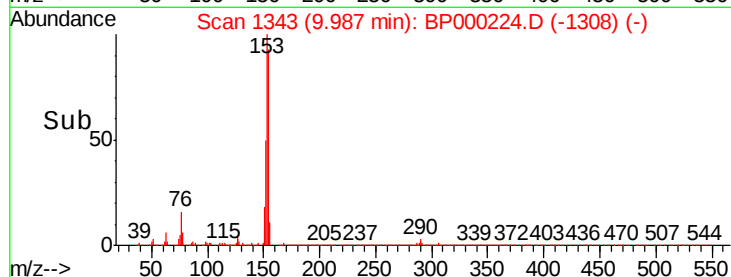
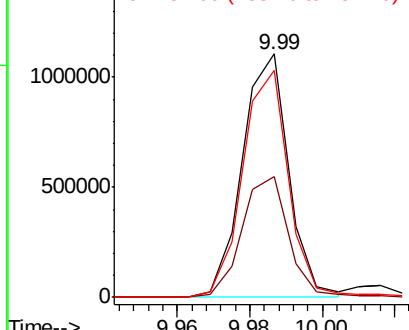
Tot Ion:	153	Resp:	978546
Ion Ratio	Lower	Upper	
153	100		
152	49.8	38.0	57.0
154	93.2	72.6	108.8

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Abundance Ion 153.00 (152.70 to 153.70): E
1500000
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 5.023 ng/ul

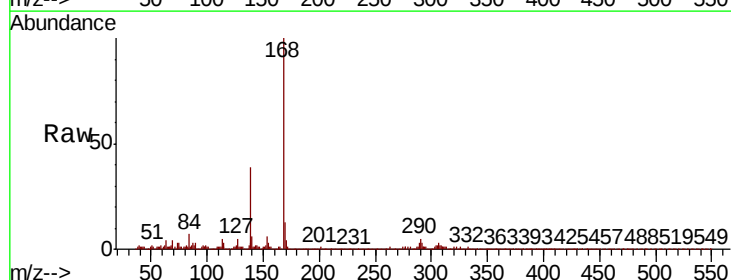
RT: 10.16 min Scan# 1372

Delta R.T. 0.01 min

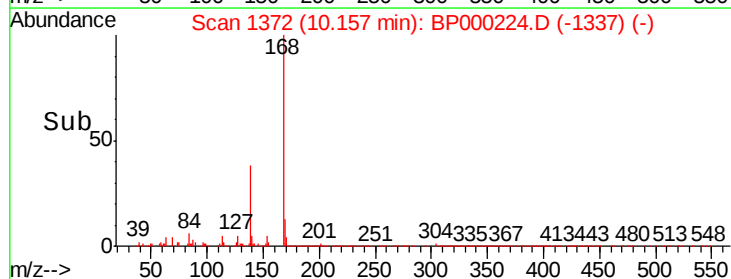
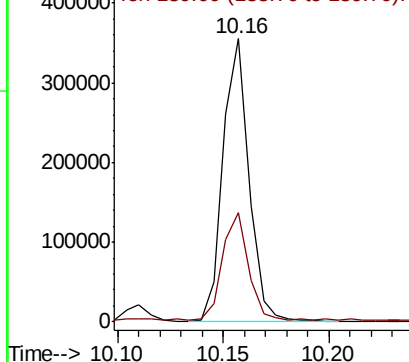
Lab File: BP000224.D

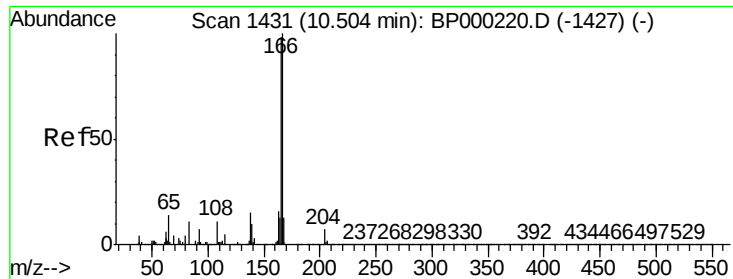
Acq: 12 Sep 2019 19:20

Tgt Ion:	168	Resp:	301028
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.0	45.0



Abundance Ion 168.00 (167.70 to 168.70): E
400000
Ion 139.00 (138.70 to 139.70): E





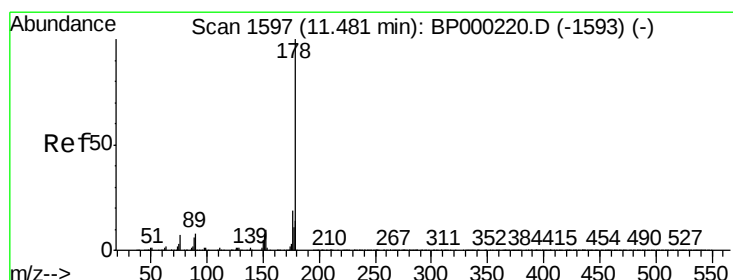
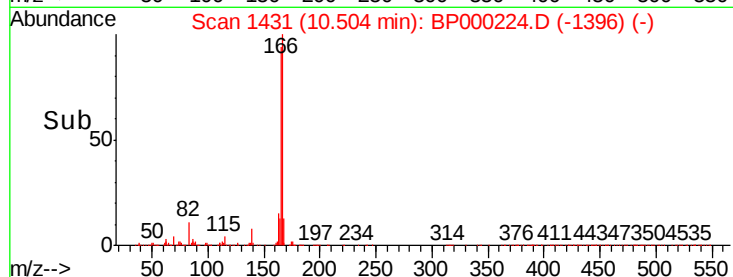
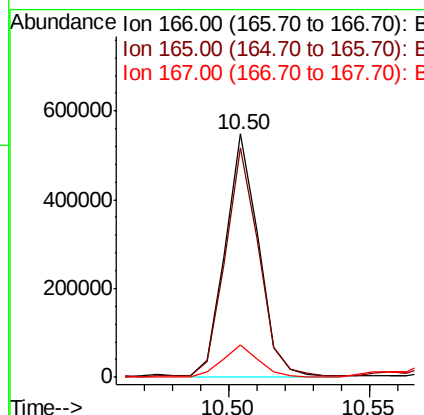
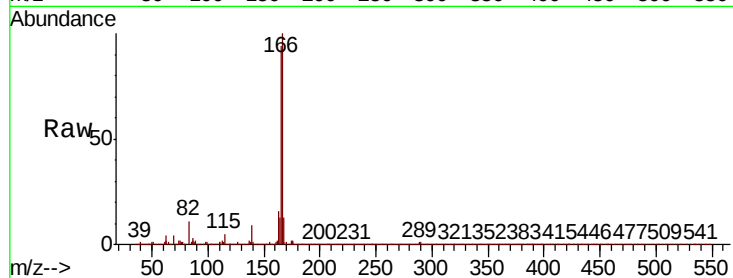
#59
Fluorene
Concen: 9.703 ng/ul
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.0	77.8	116.8
167	13.2	10.9	16.3

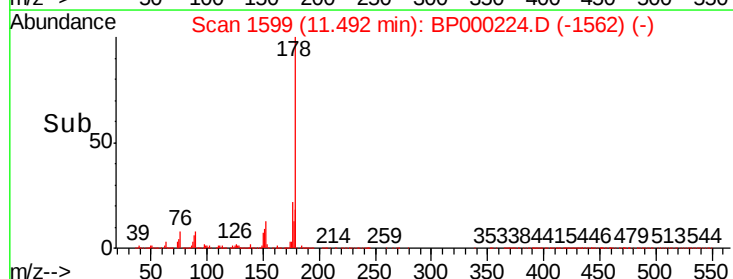
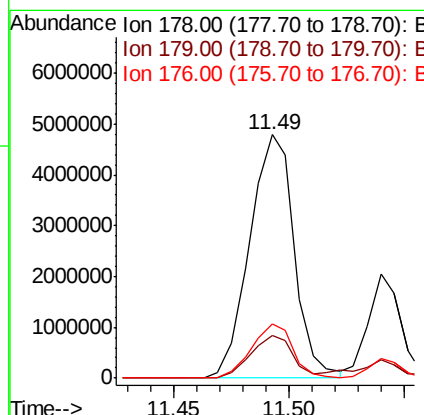
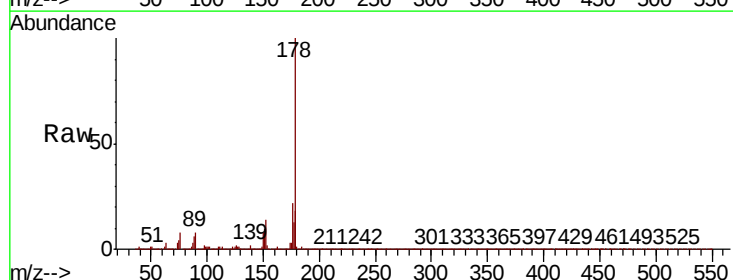
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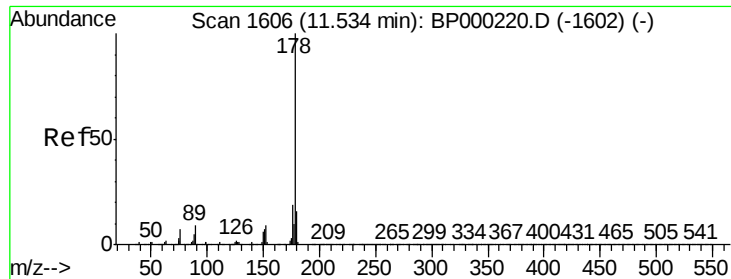
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#70
Phenanthrene
Concen: 94.041 ng/ul
RT: 11.49 min Scan# 1599
Delta R.T. 0.02 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.5	18.7
176	22.5	15.7	23.5





#72

Anthracene

Concen: 29.971 ng/ul

RT: 11.54 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampled :

F2D07

Tot Ion:178 Resp: 2021188

Ion Ratio Lower Upper

178 100

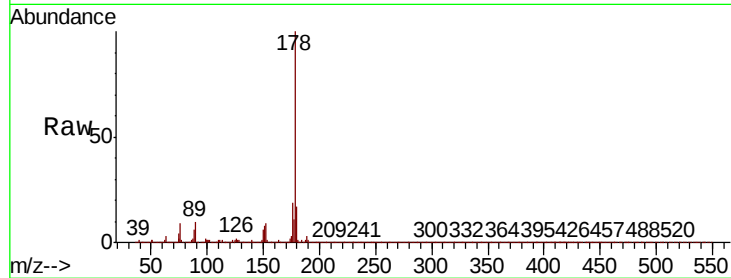
179 17.0 12.3 18.5

176 19.2 15.1 22.7

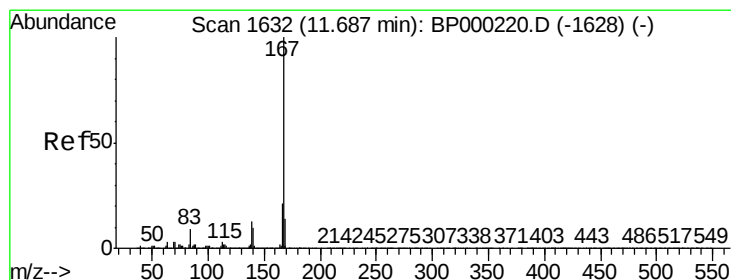
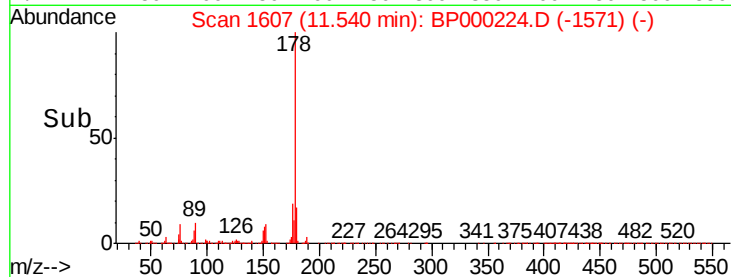
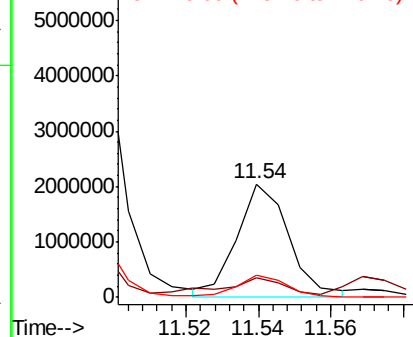
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Abundance Ion 178.00 (177.70 to 178.70): E
6000000
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 26.643 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Tgt Ion:167 Resp: 1536238

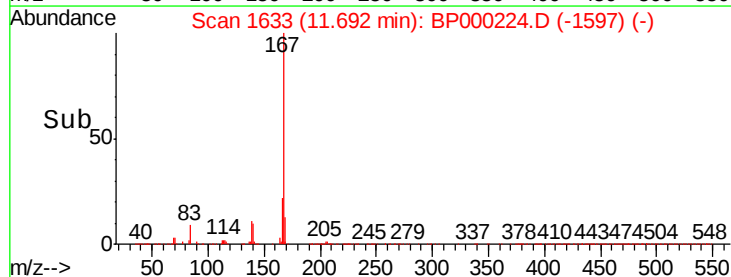
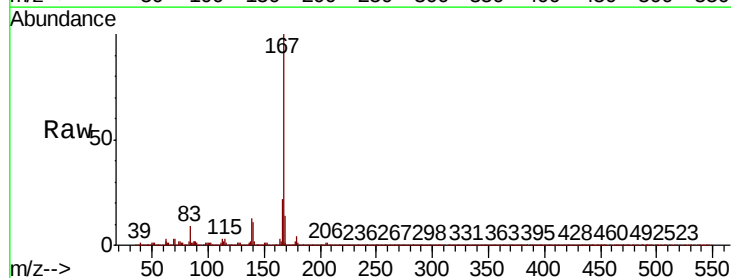
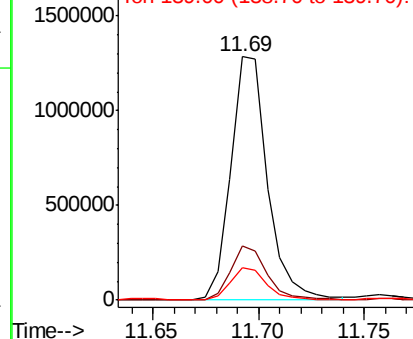
Ion Ratio Lower Upper

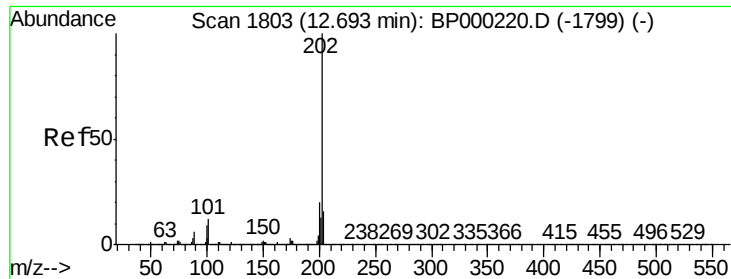
167 100

166 22.1 17.3 25.9

139 13.3 10.6 15.8

Abundance Ion 167.00 (166.70 to 167.70): E
1500000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





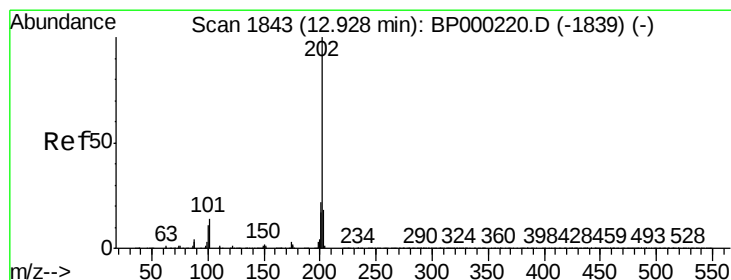
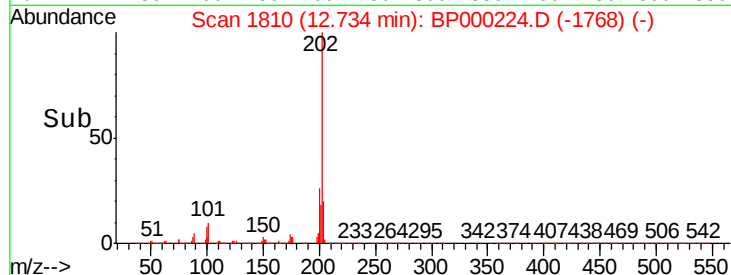
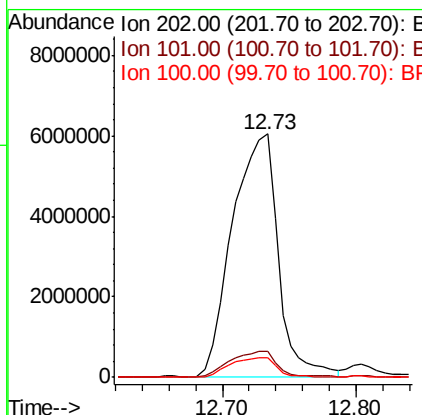
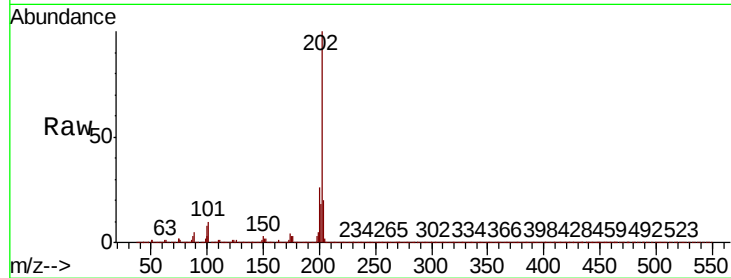
#77
Fluoranthene
Concen: 208.321 ng/ul
RT: 12.73 min Scan# 1810
Delta R.T. 0.05 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.5	10.0	15.0	
100	8.0	7.4	11.2	

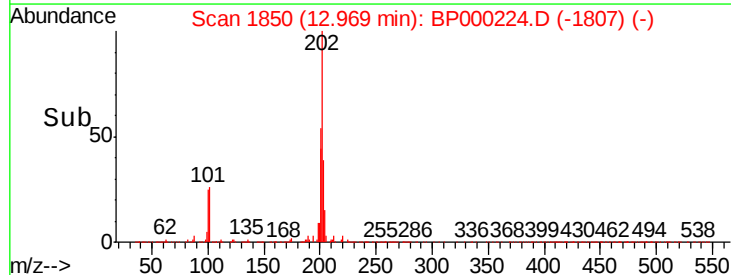
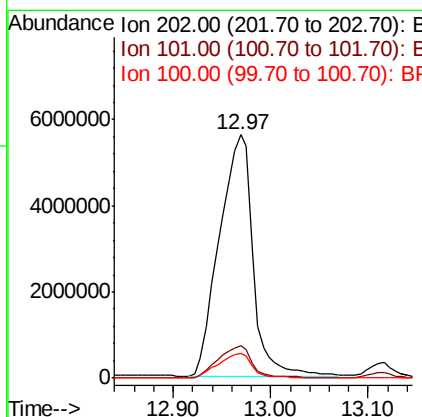
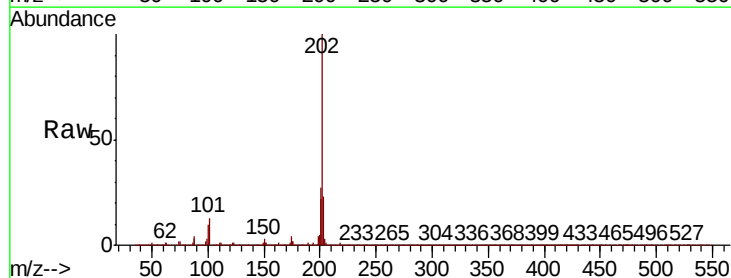
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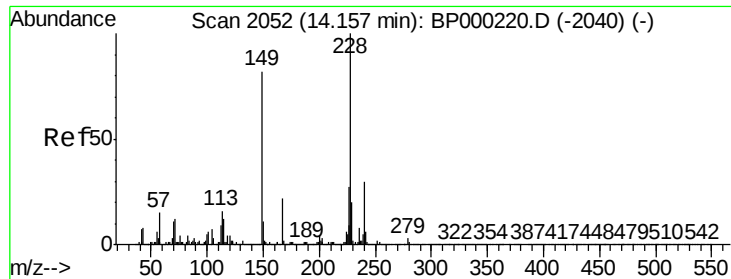
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#80
Pyrene
Concen: 325.844 ng/ul
RT: 12.97 min Scan# 1850
Delta R.T. 0.05 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	13.1	13.4	20.0#	
100	10.4	10.8	16.2#	





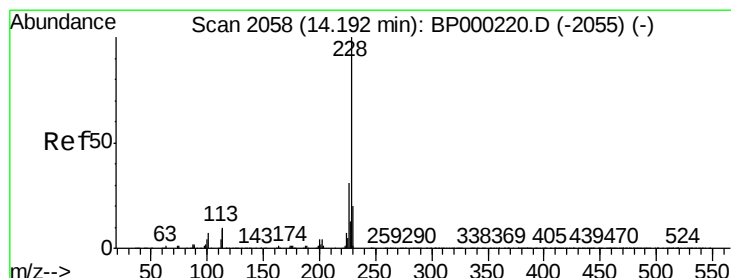
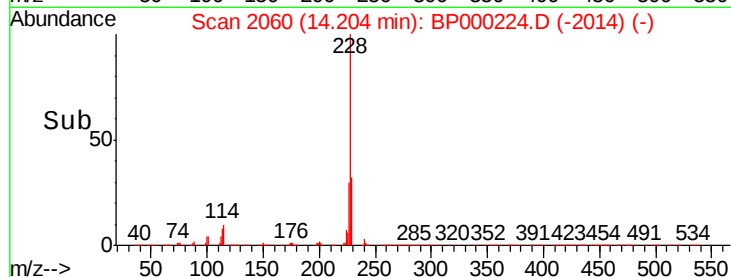
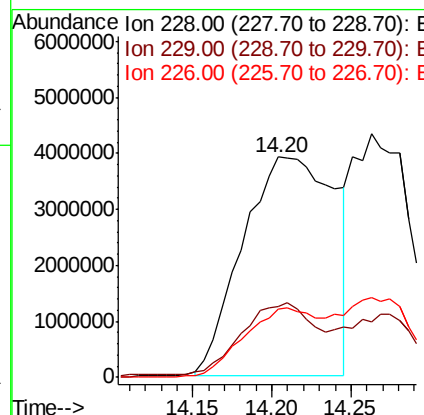
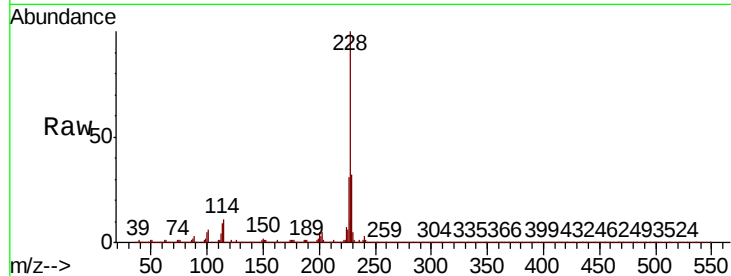
#83
Benzo(a)anthracene
Concen: 397.889 ng/ul m
RT: 14.20 min Scan# 2060
Delta R.T. 0.07 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampled :
F2D07

Tot Ion:228 Resp:15782778
Ion Ratio Lower Upper
228 100
229 32.0 15.9 23.9#
226 31.1 22.1 33.1

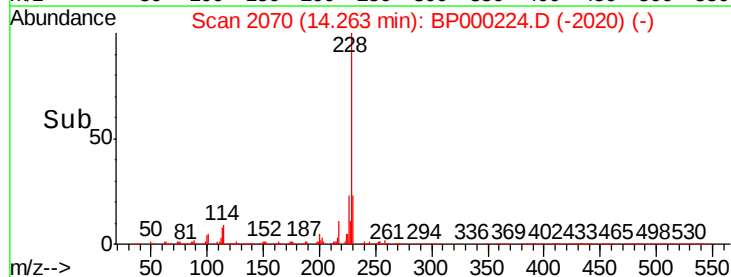
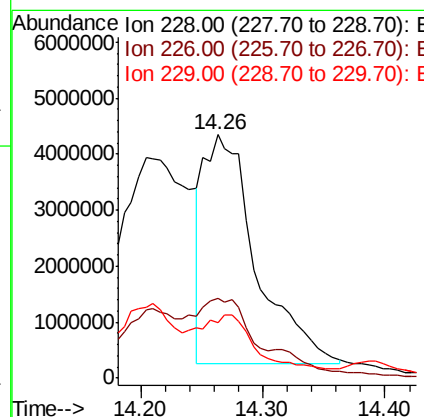
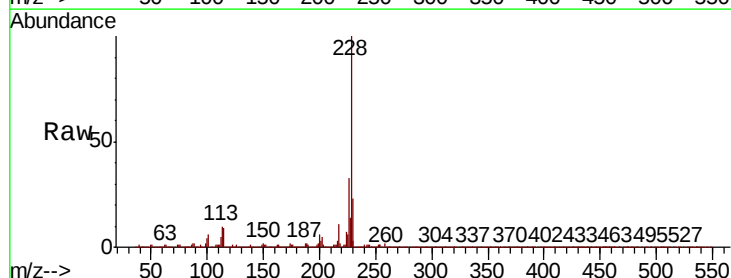
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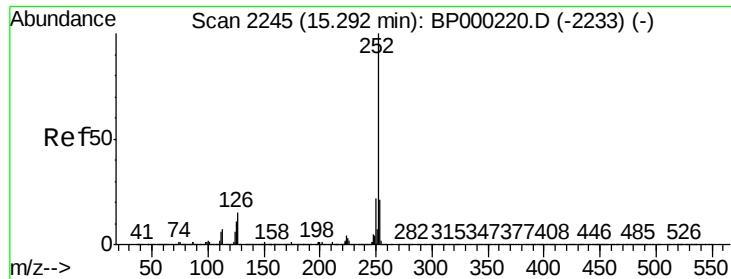
mohammad
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#85
Chrysene
Concen: 336.419 ng/ul m
RT: 14.26 min Scan# 2070
Delta R.T. 0.09 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion:228 Resp:12245348
Ion Ratio Lower Upper
228 100
226 32.8 24.4 36.6
229 23.0 16.0 24.0





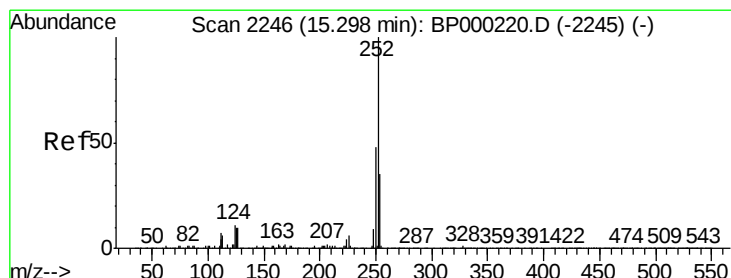
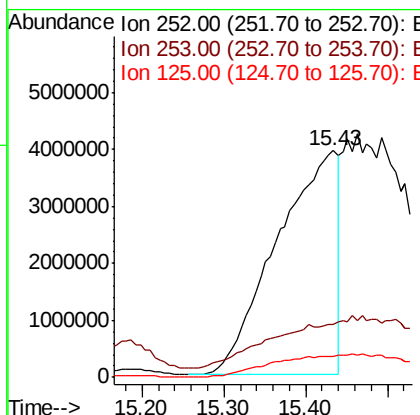
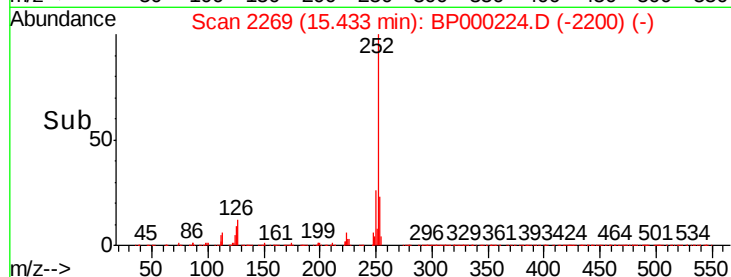
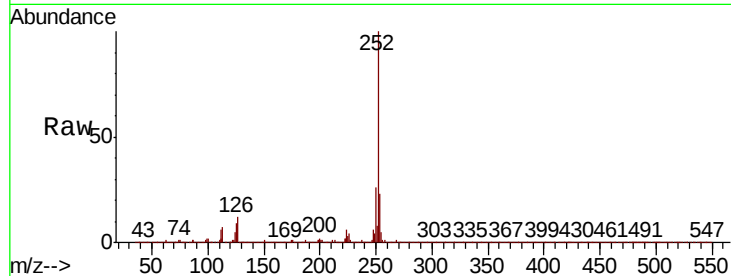
#88
Benzo(b)fluoranthene
Concen: 494.270 ng/ul
RT: 15.43 min Scan# 2269
Delta R.T. 0.21 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion:252 Resp:20405683
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.5 9.9 14.9#

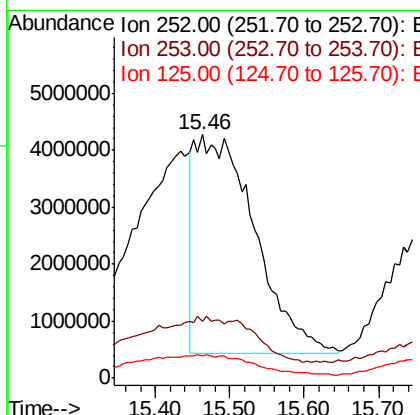
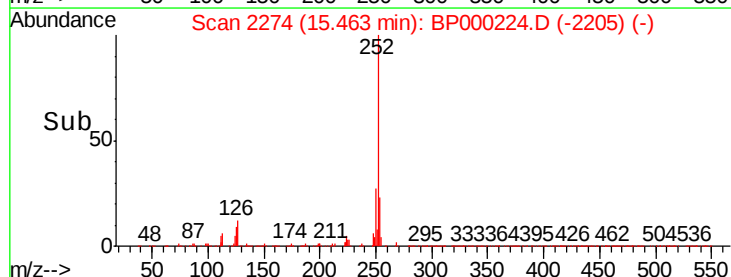
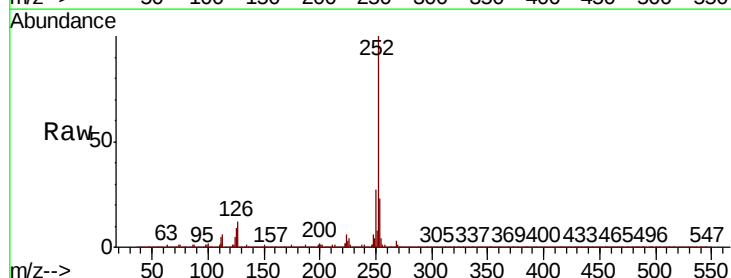
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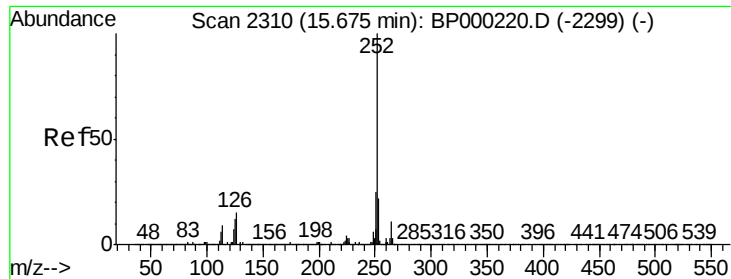
mohammad
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#89
Benzo(k)fluoranthene
Concen: 558.951 ng/ul m
RT: 15.46 min Scan# 2274
Delta R.T. 0.21 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion:252 Resp:21752420
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 9.0 10.2 15.2#





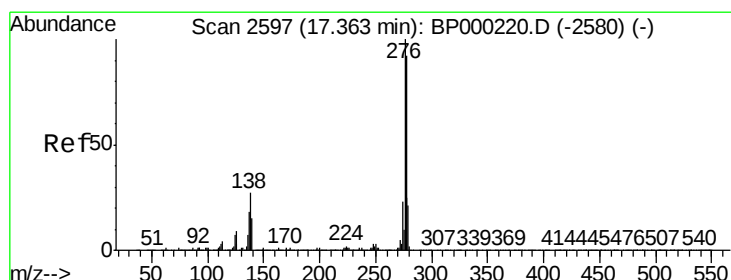
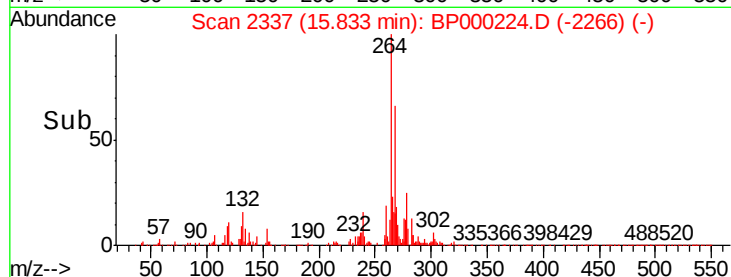
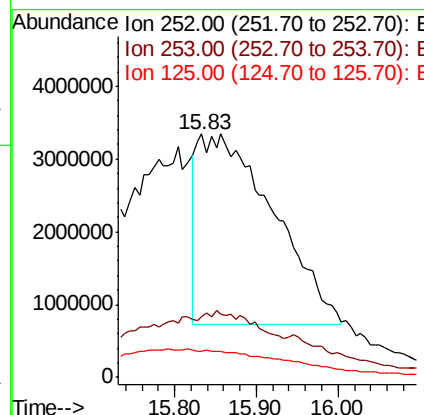
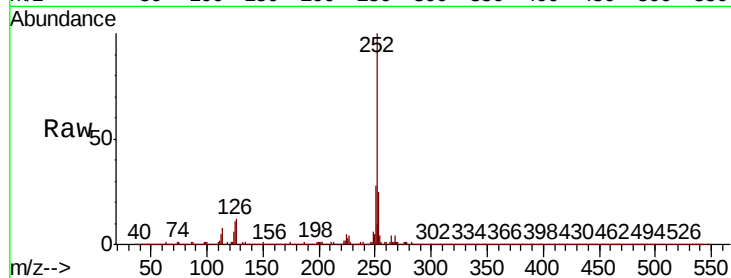
#91
Benzo(a)pyrene
Concen: 433.182 ng/ul m
RT: 15.83 min Scan# 2337
Delta R.T. 0.22 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion:252 Resp:16779264
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 10.7 10.2 15.2

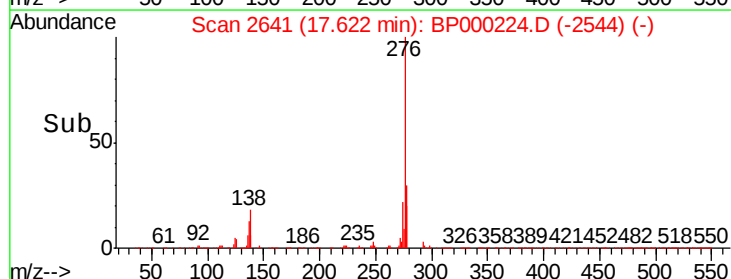
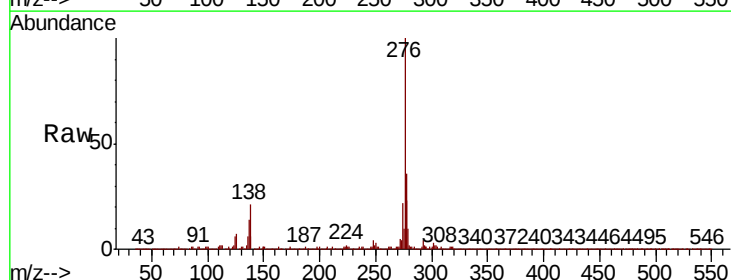
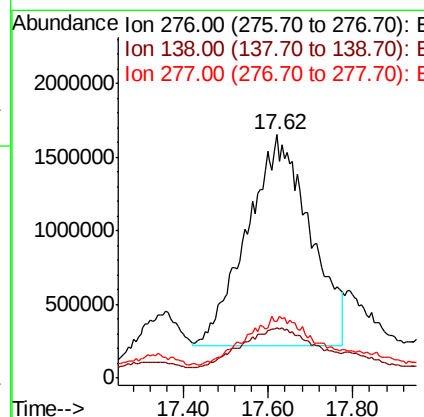
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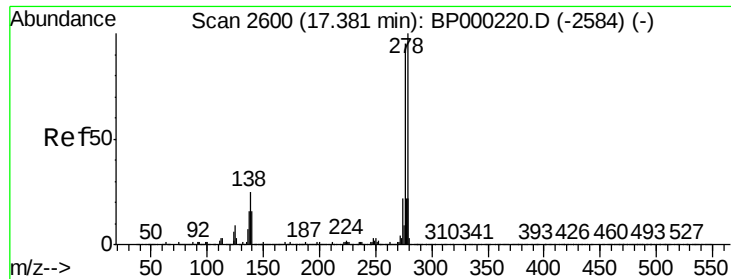
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#92
Indeno(1,2,3-cd)pyrene
Concen: 329.666 ng/ul m
RT: 17.62 min Scan# 2641
Delta R.T. 0.37 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion:276 Resp:14690616
Ion Ratio Lower Upper
276 100
138 20.7 20.0 30.0
277 23.2 19.4 29.0





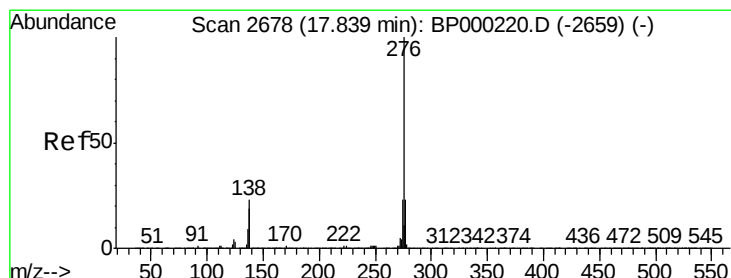
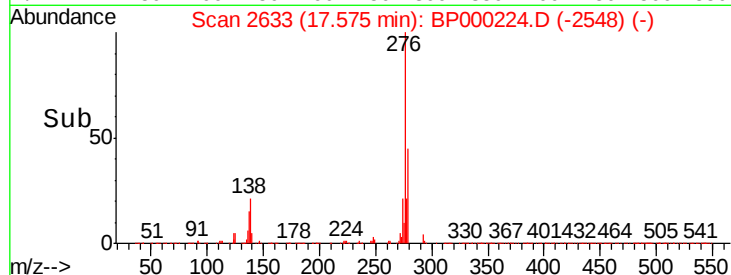
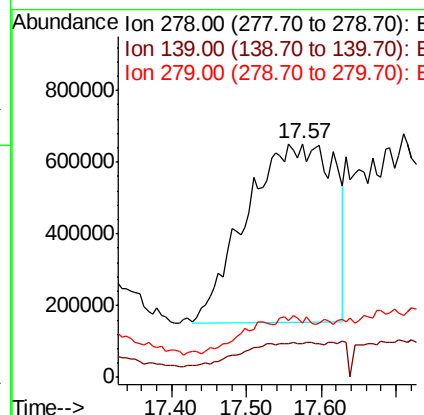
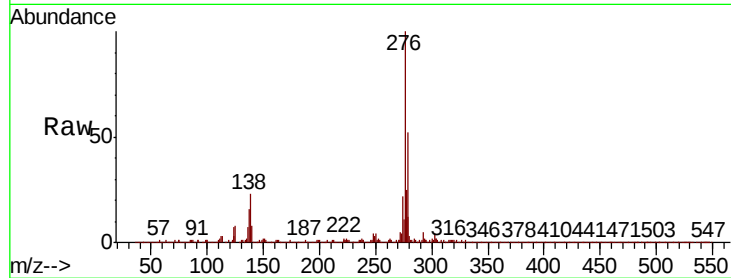
#93
Dibenzo(a,h)anthracene
Concen: 108.930 ng/ul m
RT: 17.57 min Scan# 2633
Delta R.T. 0.30 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Instrument :
BNA_P
ClientSampleId :
F2D07

Tot Ion:278 Resp: 4020619
Ion Ratio Lower Upper
278 100
139 14.6 15.1 22.7#
279 23.3 19.2 28.8

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#94
Benzo(g,h,i)perylene
Concen: 342.557 ng/ul m
RT: 18.12 min Scan# 2725
Delta R.T. 0.39 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion:276 Resp:12727542
Ion Ratio Lower Upper
276 100
138 22.0 20.0 30.0
277 23.7 19.1 28.7

