

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001657.D
 Acq On : 17 Jan 2020 15:05
 Operator : JU
 Sample : L1108-06 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

Manual Integrations
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mohammad
 1/21/2020 7:52:57 AM

Quant Time: Jan 18 03:30:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	46274	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	194414	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	139261	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	310880	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	213090	20.00	ng	0.00
87) Perylene-d12	23.38	264	180247	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	56996	24.13	ng	0.00
7) Phenol-d6	6.83	99	91036	24.11	ng	0.00
23) Nitrobenzene-d5	8.78	82	63774	14.33	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	29668	14.00	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	134770	14.23	ng	-0.01
79) Terphenyl-d14	19.63	244	201756	17.32	ng	-0.01
Target Compounds						
49) Acenaphthylene	14.00	152	65846	5.148	ng	99
71) Phenanthrene	17.09	178	139655	8.260	ng	99
72) Anthracene	17.17	178	76184	4.629	ng	99
75) Fluoranthene	19.07	202	1256776	56.494	ng	99
78) Pyrene	19.42	202	1140193	72.841	ng	98
81) Benzo(a)anthracene	21.13	228	623701	42.027	ng	95
83) Chrysene	21.19	228	542697	37.524	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	349199	20.627	ng	99
88) Benzo(b)fluoranthene	22.72	252	734185	64.639	ng	# 97
89) Benzo(k)fluoranthene	22.76	252	249916m	22.567	ng	
90) Benzo(a)pyrene	23.29	252	531145	49.251	ng	# 97
91) Dibenzo(a,h)anthracene	25.64	278	81325	7.309	ng	# 88
92) Benzo(a,h,i)perylene	26.33	276	320038	28.933	ng	# 97

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

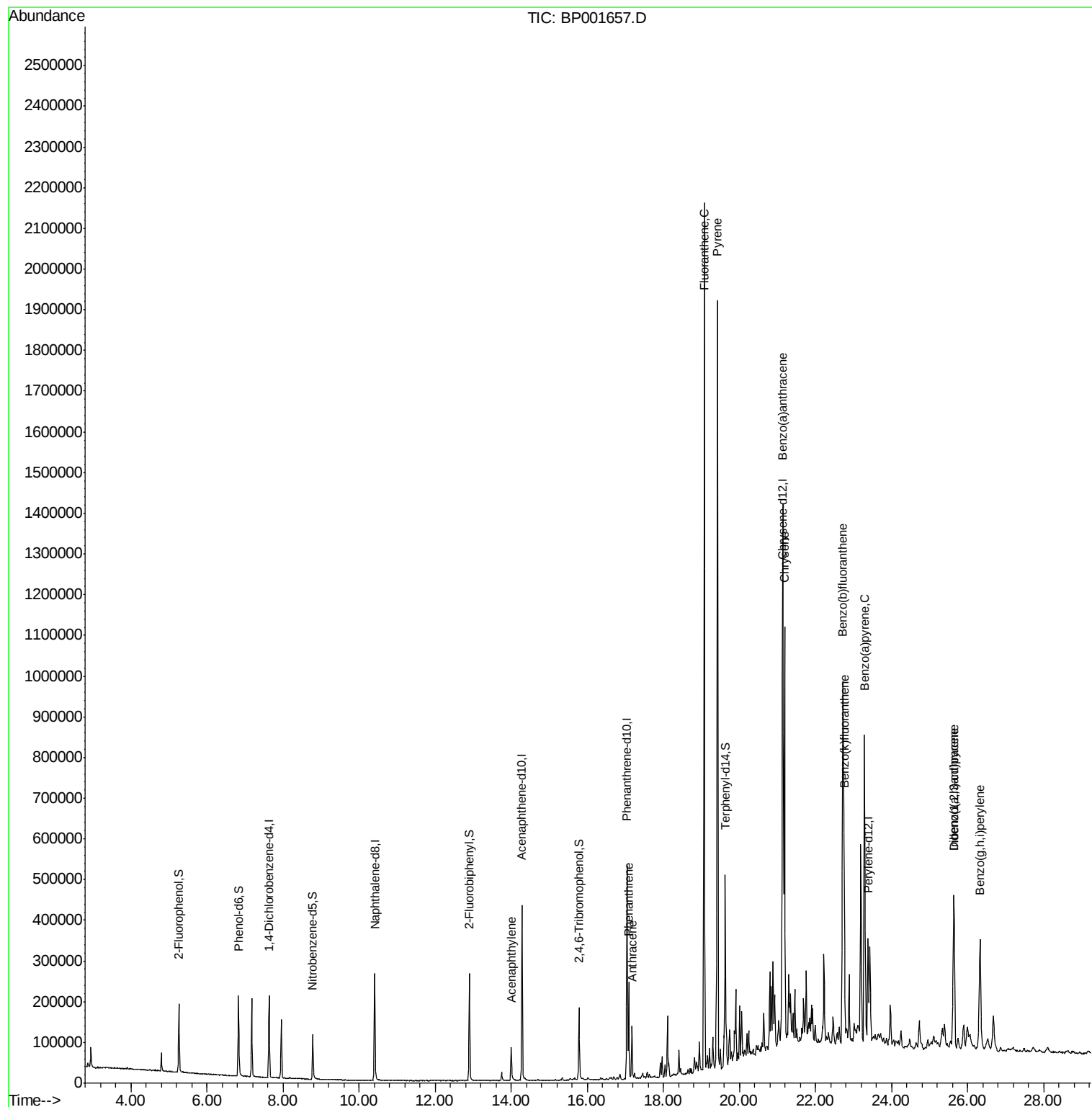
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
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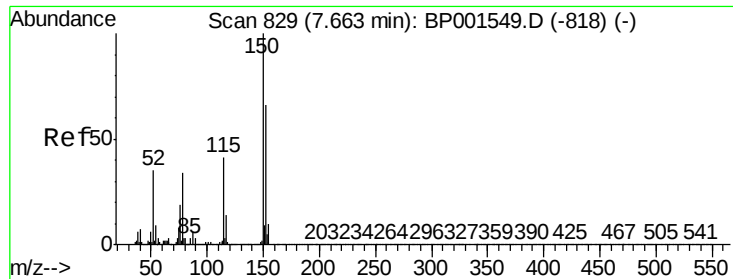
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
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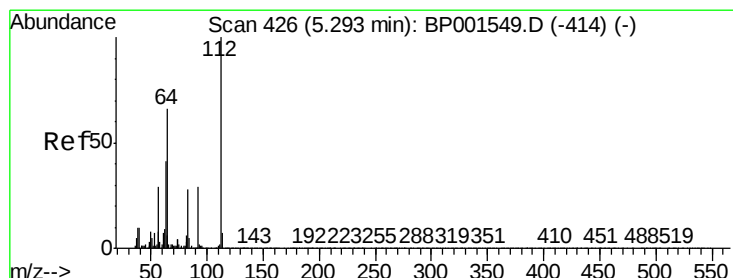
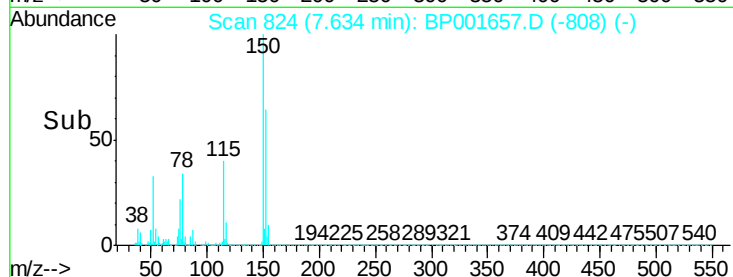
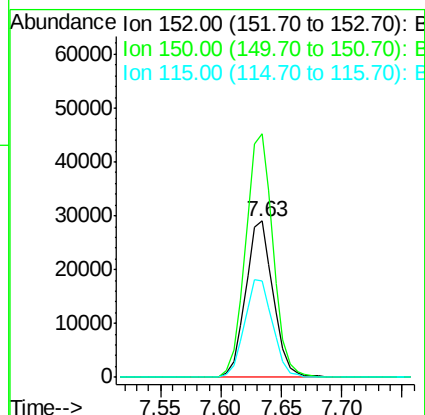
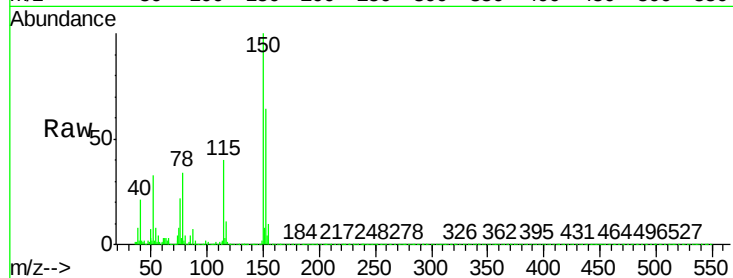
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.0	183.0
115	61.5	50.7	76.1

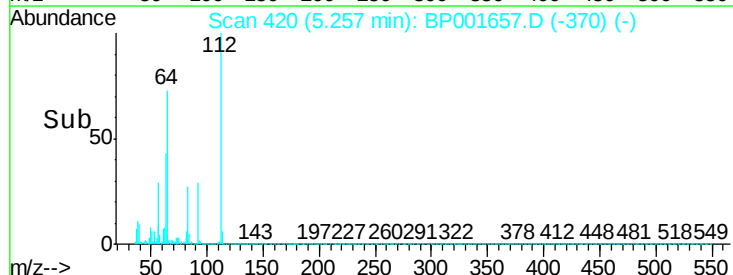
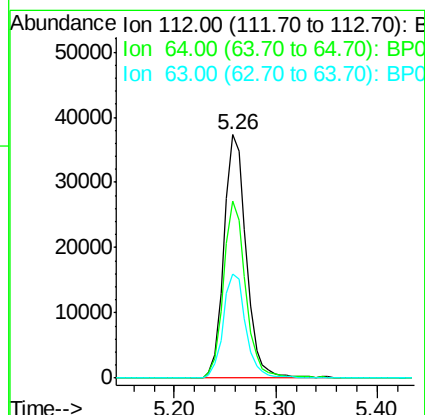
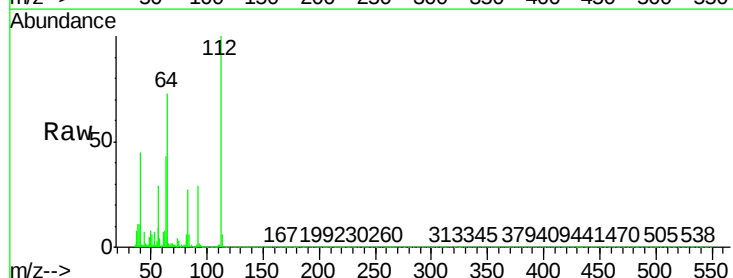
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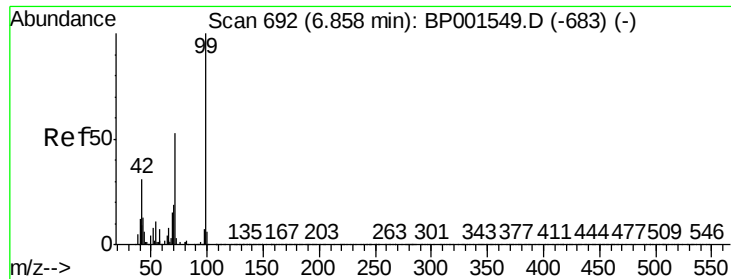
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#5
2-Fluorophenol
Concen: 24.128 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	52.8	79.2
63	42.8	33.1	49.7





#7

Phenol-d6

Concen: 24.113 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

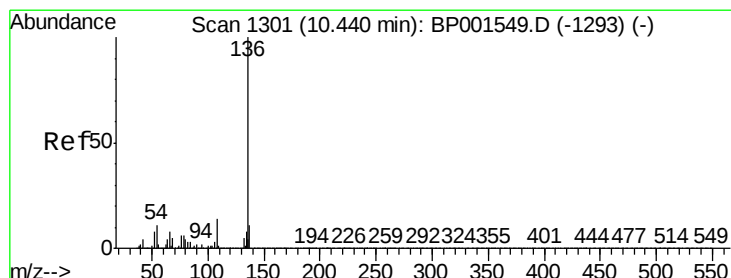
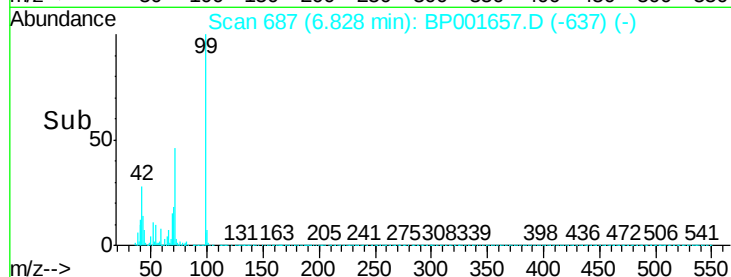
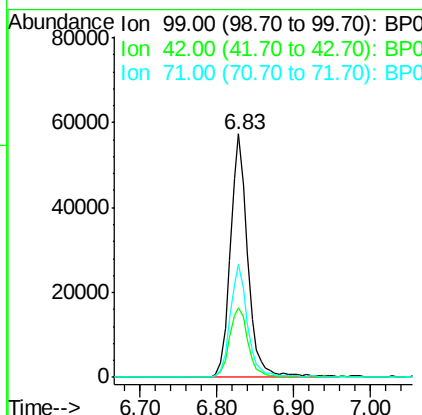
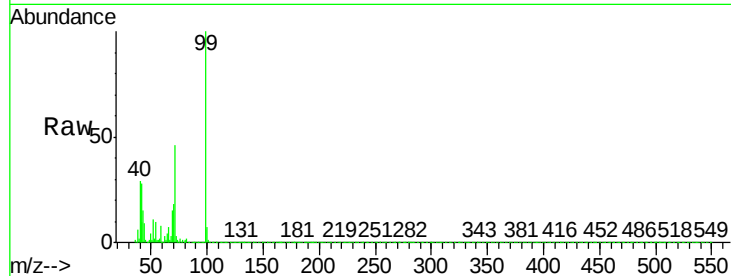
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	99	Resp:	91036
Ion Ratio	Lower	Upper	
99	100		
42	28.4	24.5	36.7
71	46.5	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

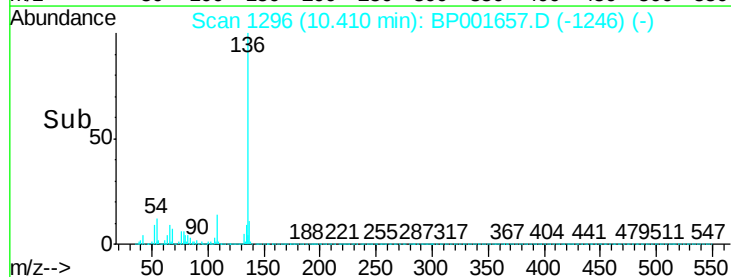
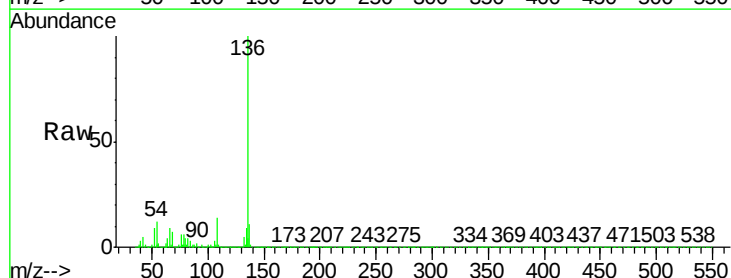
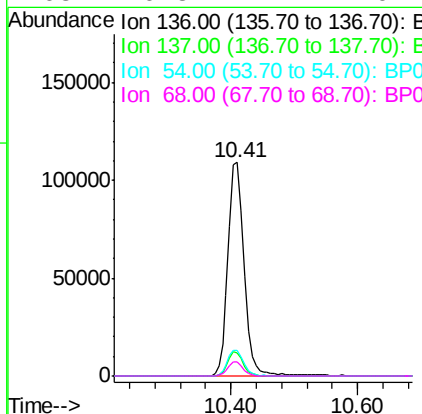
RT: 10.41 min Scan# 1296

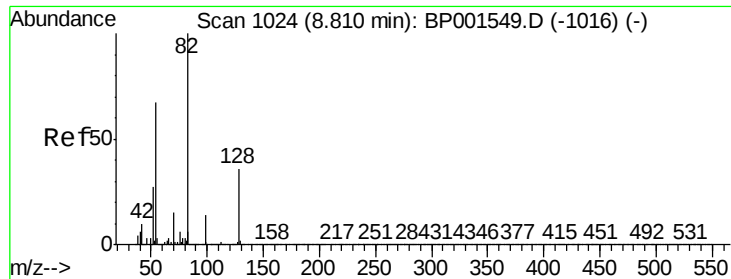
Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt Ion:	136	Resp:	194414
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	12.3	9.2	13.8
68	6.8	4.1	6.1#





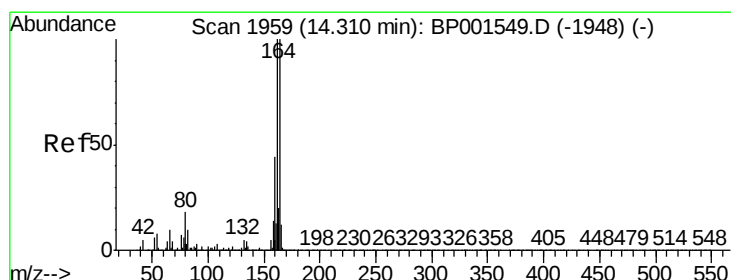
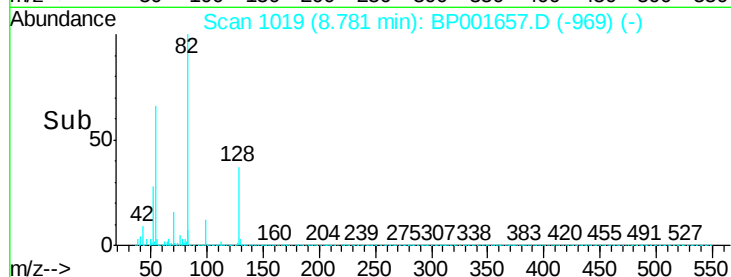
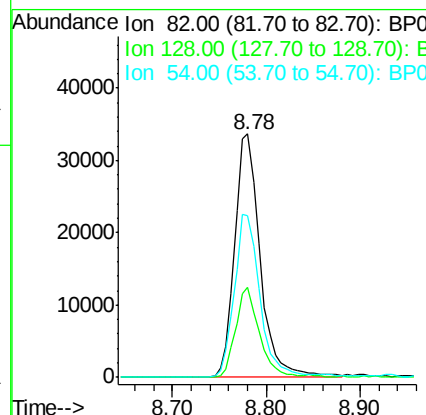
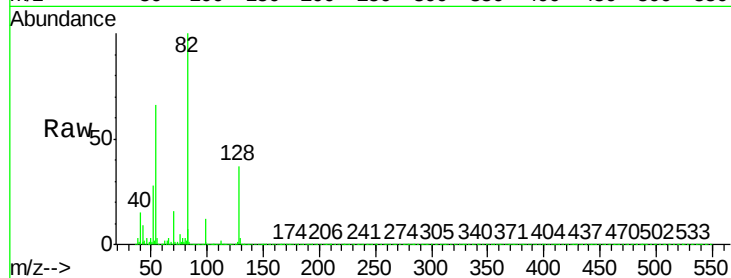
#23
Nitrobenzene-d5
Concen: 14.334 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.4	42.6
54	66.2	53.4	80.2

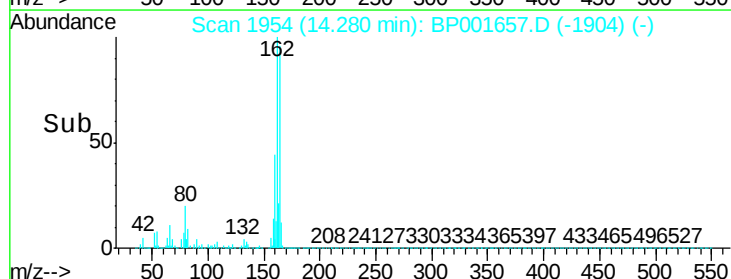
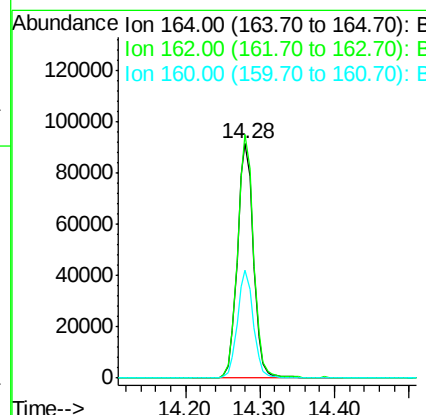
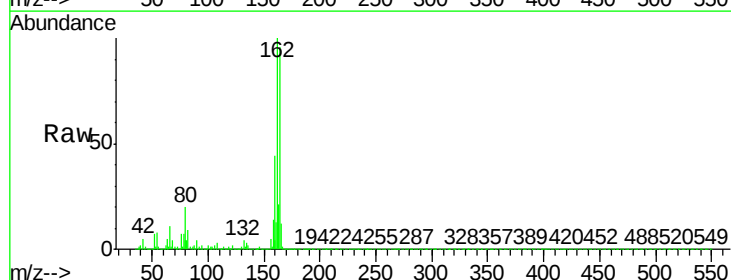
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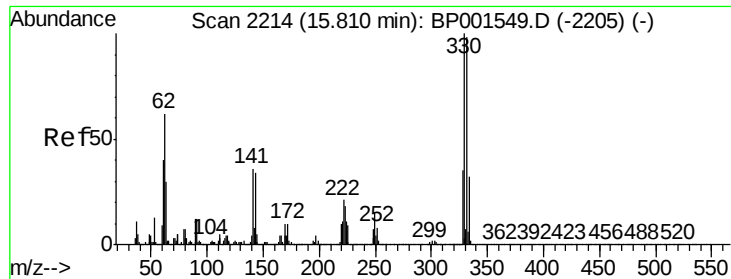
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	79.8	119.6
160	46.0	35.0	52.6





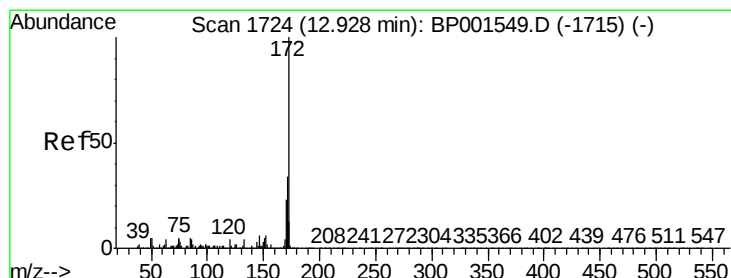
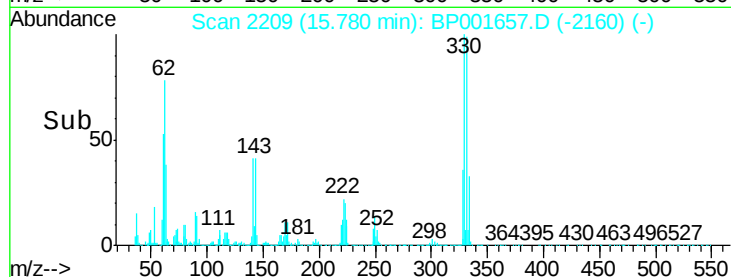
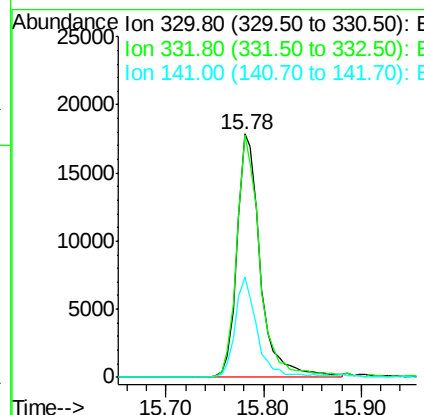
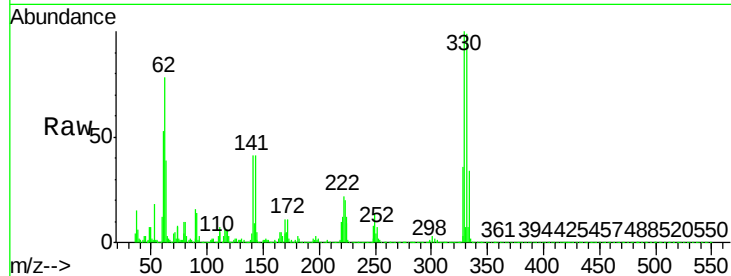
#42
 2,4,6-Tribromophenol
 Concen: 13.995 ng
 RT: 15.78 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29668		
332	99.8	77.8	116.6	
141	37.8	28.7	43.1	

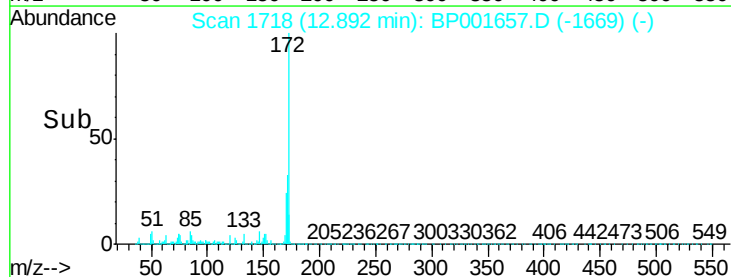
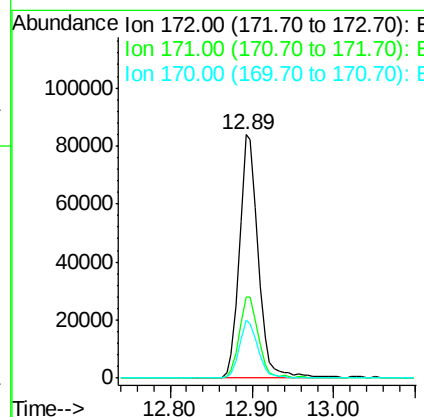
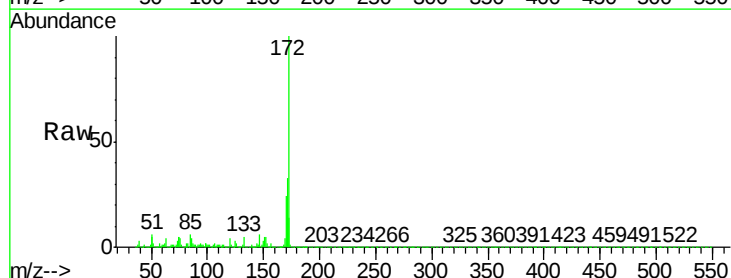
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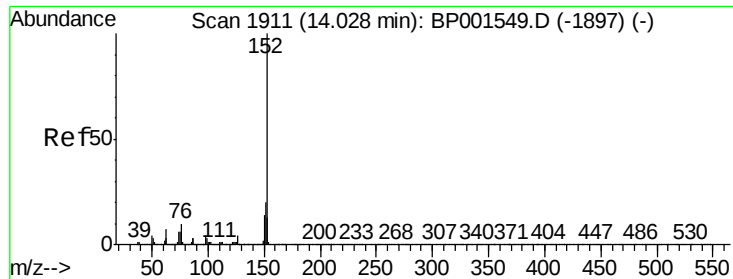
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#45
 2-Fluorobiphenyl
 Concen: 14.229 ng
 RT: 12.89 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	134770		
171	33.3	27.6	41.4	
170	23.9	18.3	27.5	





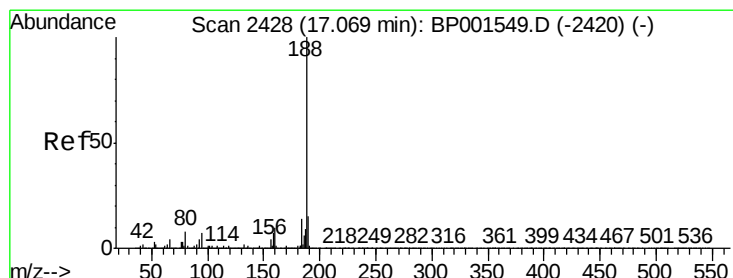
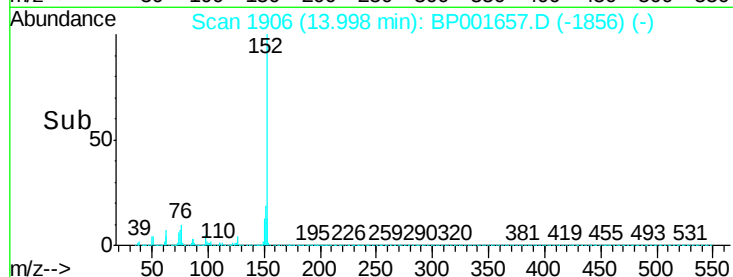
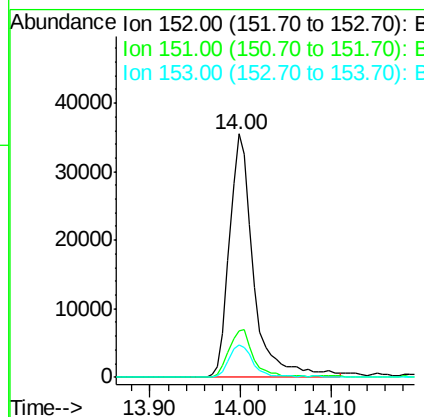
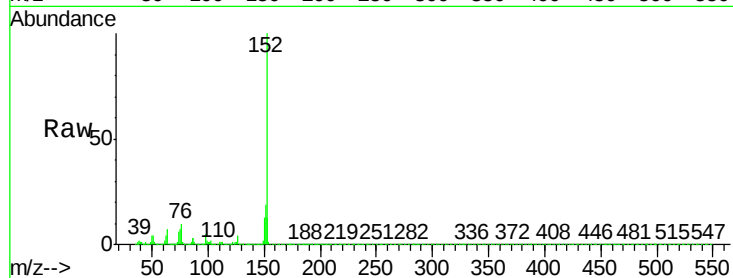
#49
Acenaphthylene
Concen: 5.148 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion:	152	Resp:	65846
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.9	23.9
153	13.3	10.4	15.6

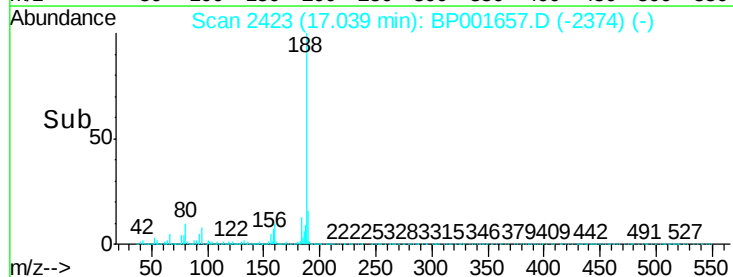
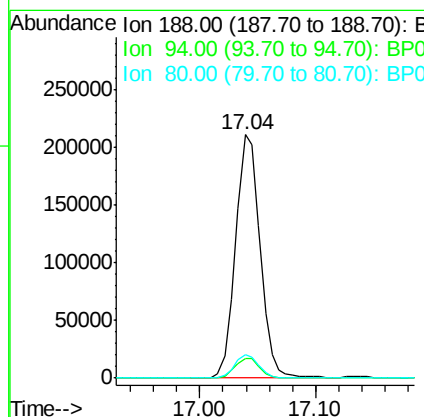
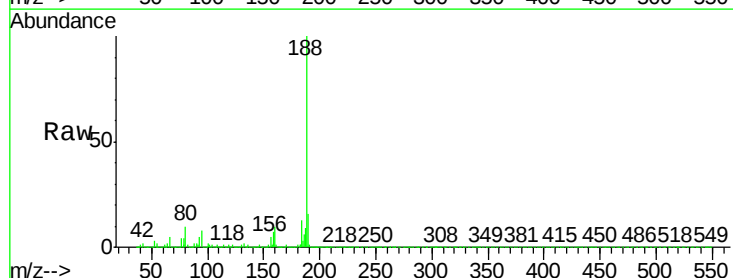
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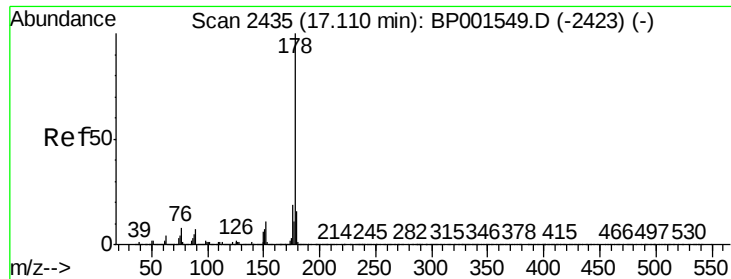
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:	188	Resp:	310880
Ion Ratio	Lower	Upper	
188	100		
94	8.1	5.9	8.9
80	9.7	6.8	10.2





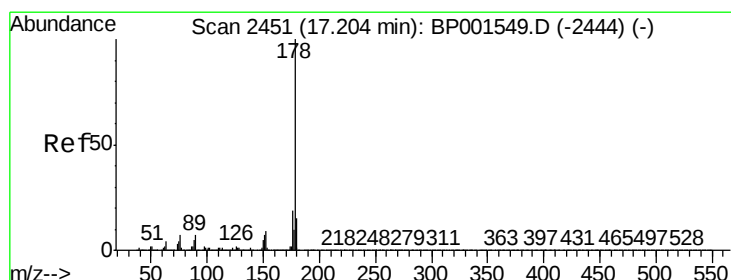
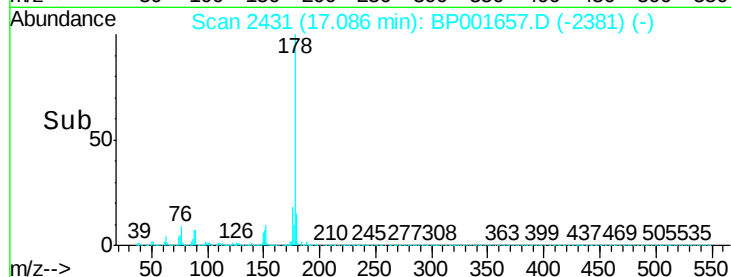
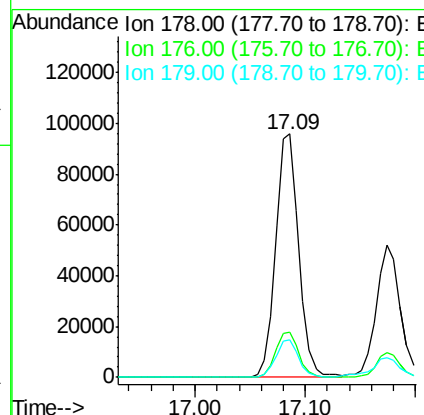
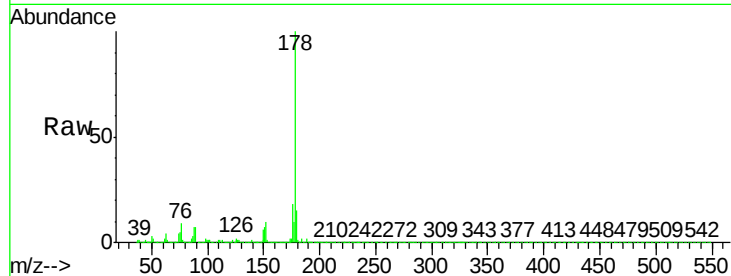
#71
Phenanthrene
Concen: 8.260 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.2	12.5	18.7

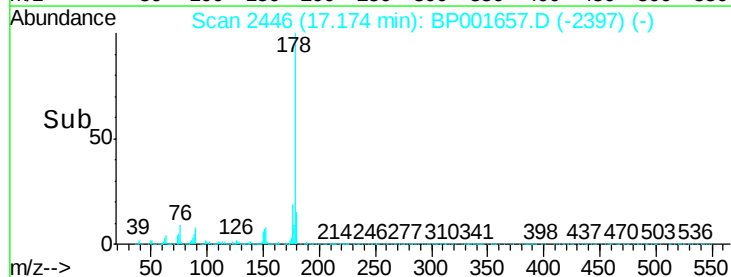
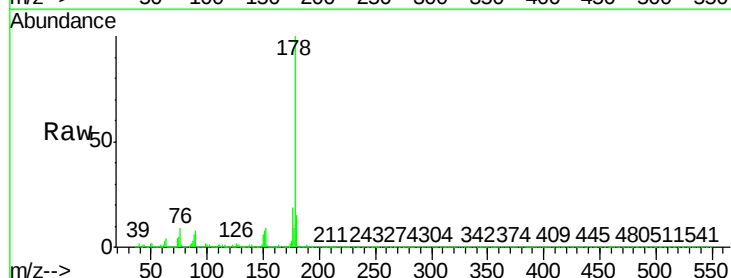
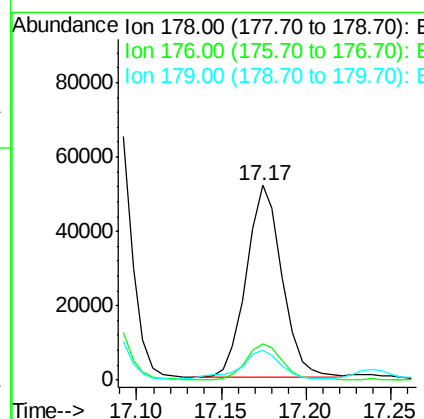
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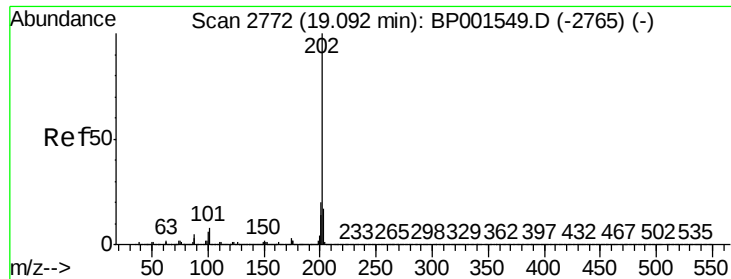
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#72
Anthracene
Concen: 4.629 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.2	11.8	17.8





#75

Fluoranthene

Concen: 56.494 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

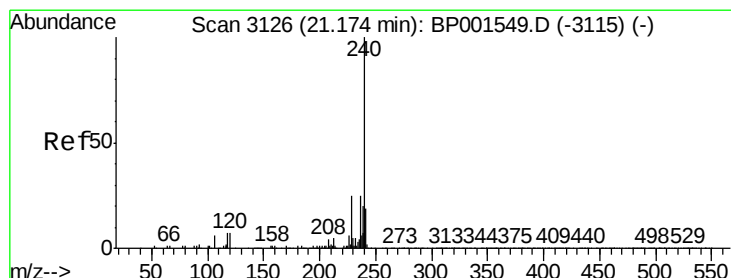
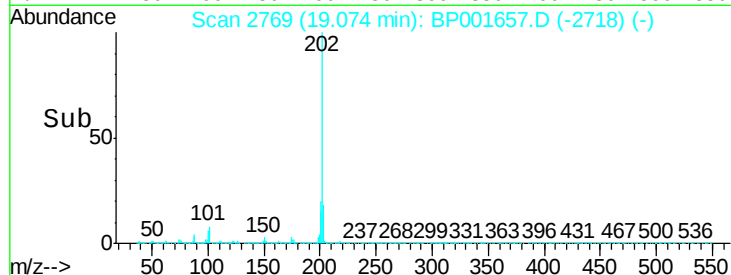
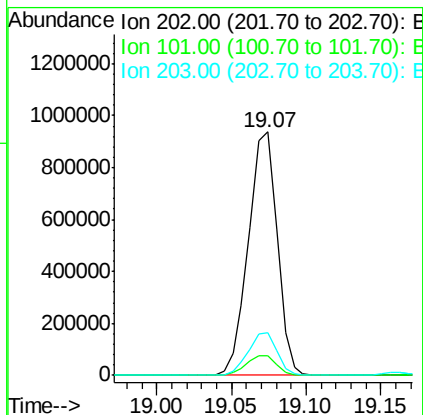
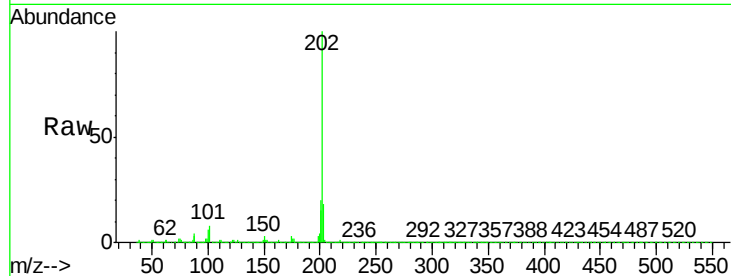
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	202	Resp:	1256776
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	28.4
203	17.8	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

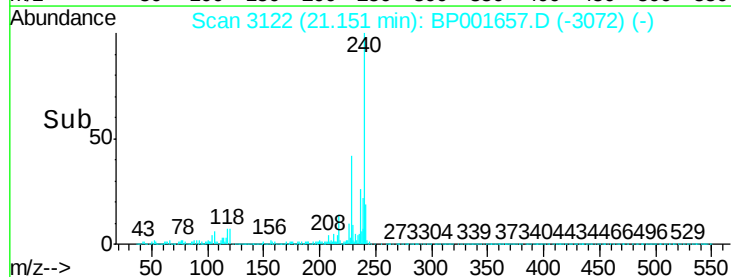
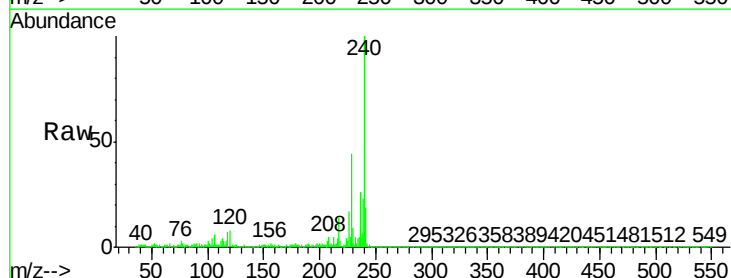
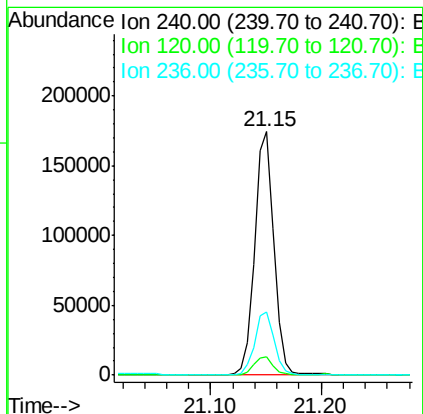
RT: 21.15 min Scan# 3122

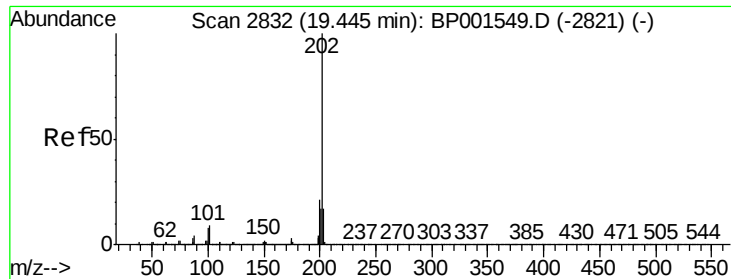
Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt Ion:	240	Resp:	213090
Ion Ratio	Lower	Upper	
240	100		
120	7.5	5.7	8.5
236	26.1	20.4	30.6





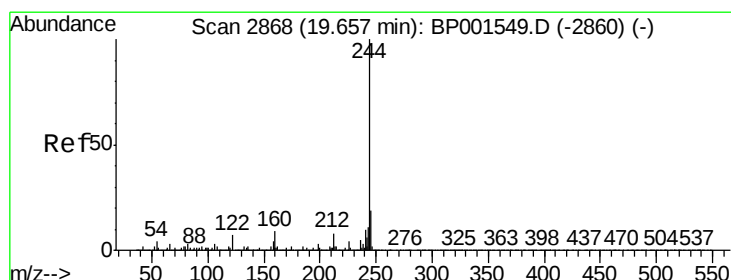
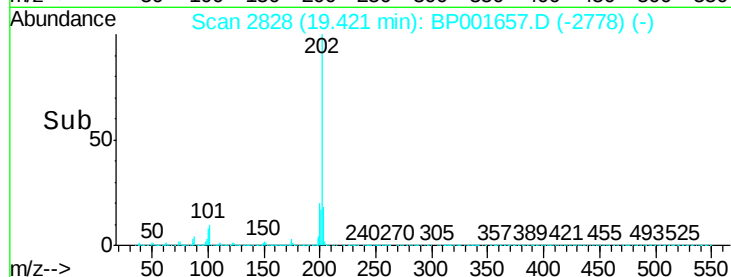
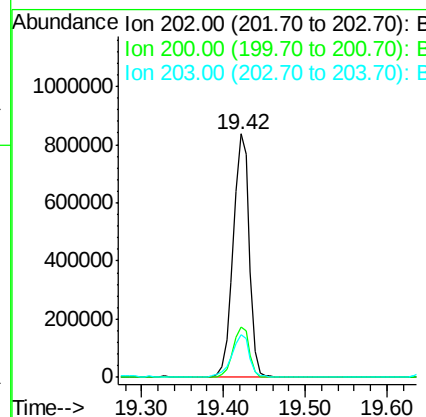
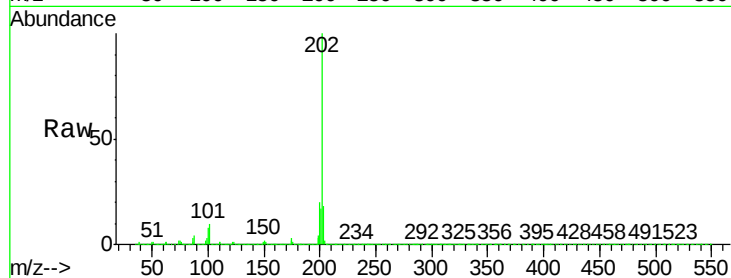
#78
Pvrene
Concen: 72.841 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.7	13.7	20.5

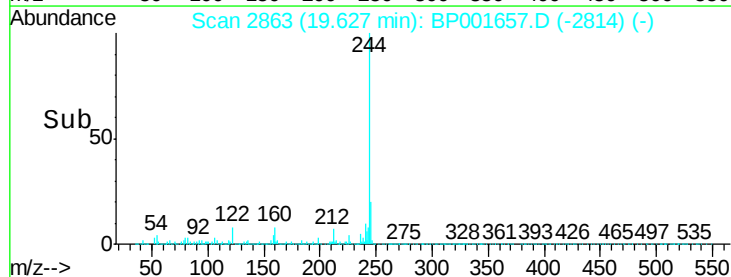
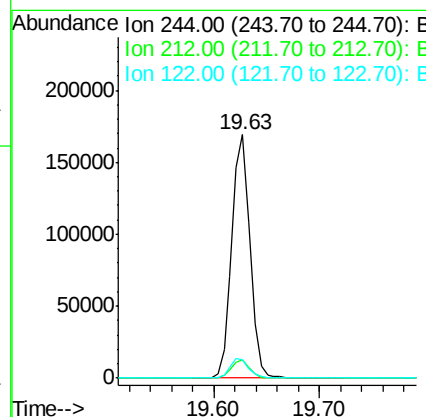
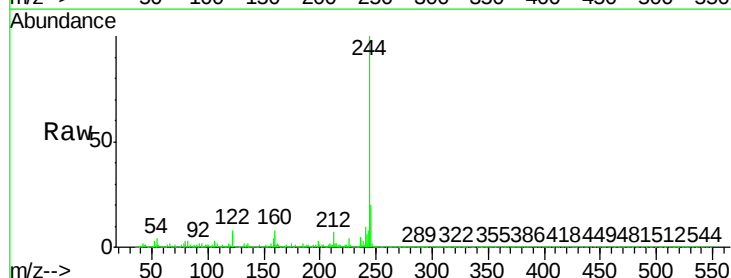
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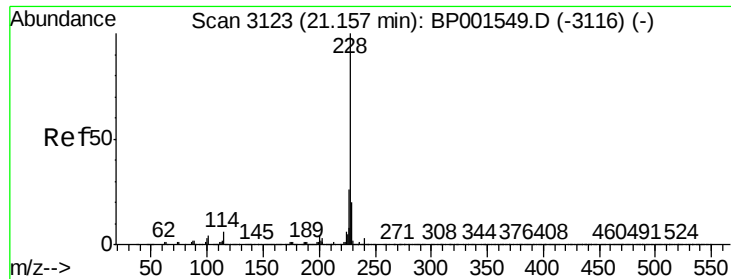
mohammad
1/21/2020 7:52:57 AM



#79
Terphenyl-d14
Concen: 17.317 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	7.8	5.8	8.6





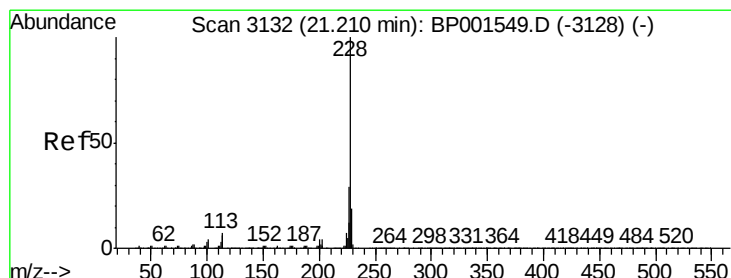
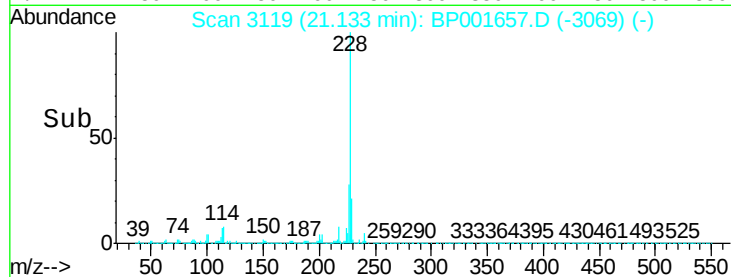
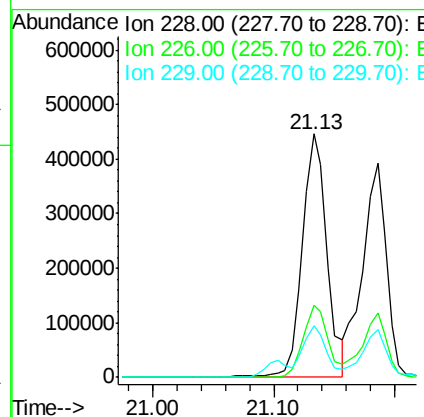
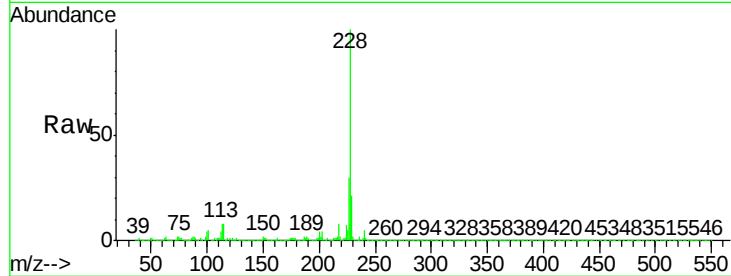
#81
Benzo(a)anthracene
Concen: 42.027 ng
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion:	228	Resp:	623701
Ion Ratio	Lower	Upper	
228	100		
226	29.9	21.2	31.8
229	21.0	16.1	24.1

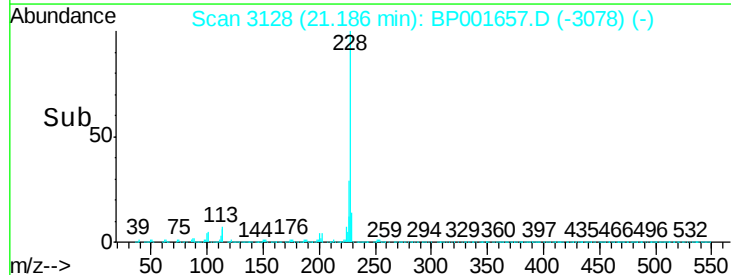
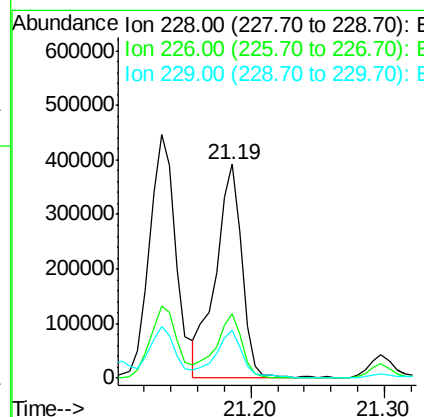
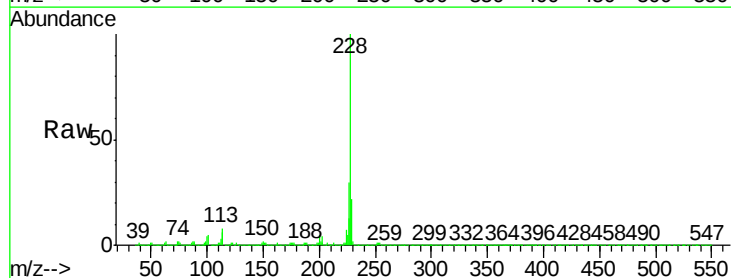
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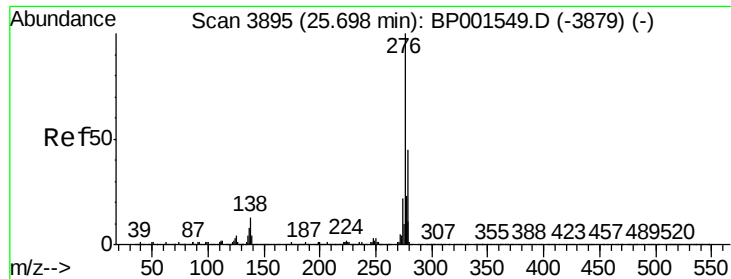
mohammad
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#83
Chrysene
Concen: 37.524 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:	228	Resp:	542697
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.2	34.8
229	22.2	15.2	22.8





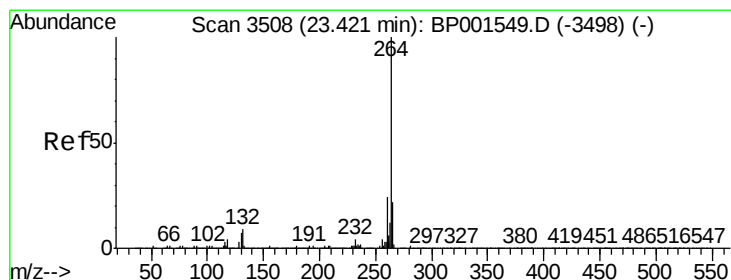
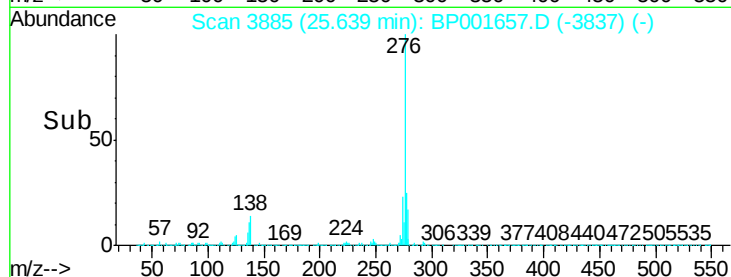
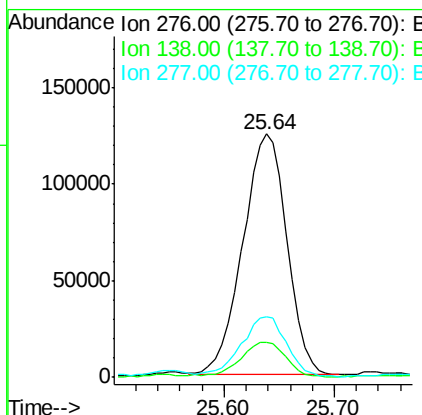
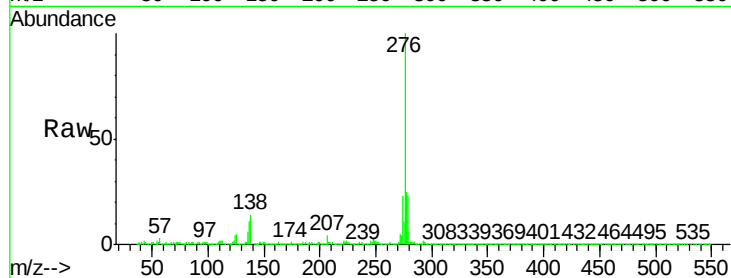
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 20.627 ng
 RT: 25.64 min Scan# 3885
 Delta R.T. -0.02 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

Tot Ion:	276	Resp:	349199
Ion Ratio	Lower	Upper	
276	100		
138	14.4	11.1	16.7
277	25.2	20.4	30.6

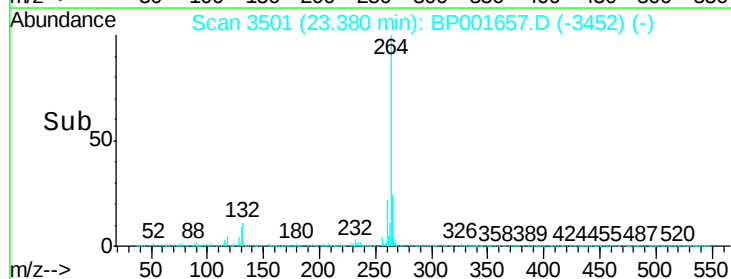
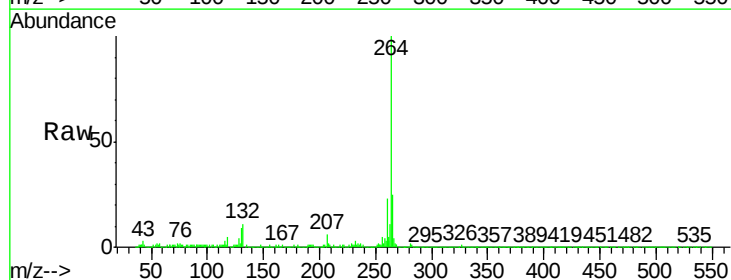
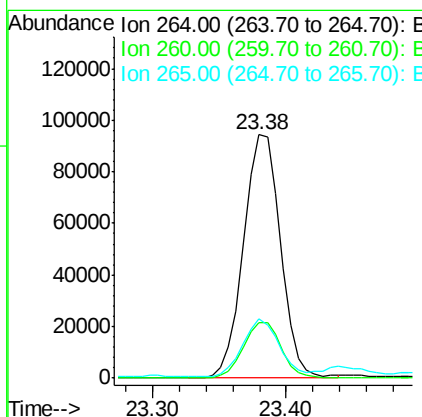
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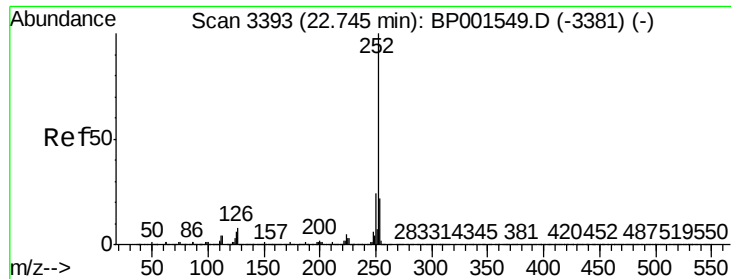
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.38 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Tgt Ion:	264	Resp:	180247
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.0	28.6
265	24.5	18.2	27.4





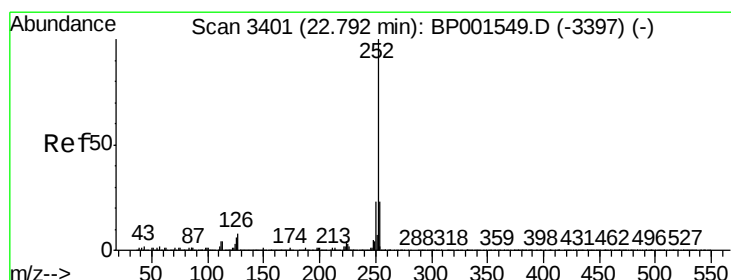
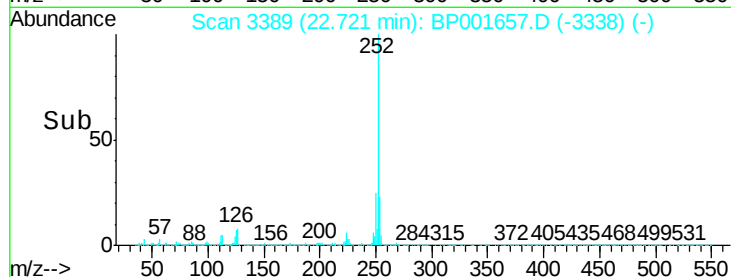
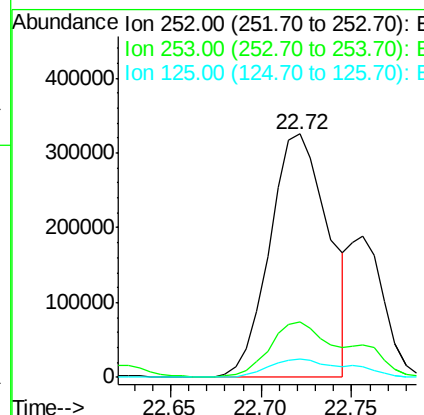
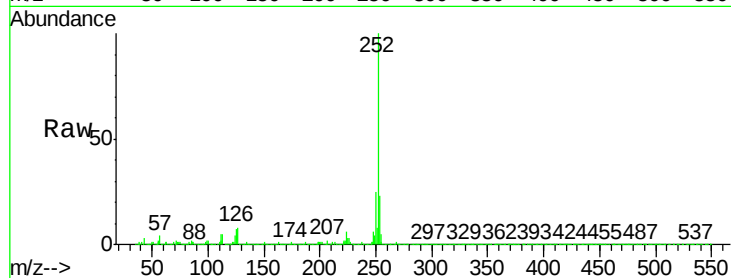
#88
Benzo(b)fluoranthene
Concen: 64.639 ng
RT: 22.72 min Scan# 3389
Delta R.T. -0.00 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	7.4	4.6	7.0

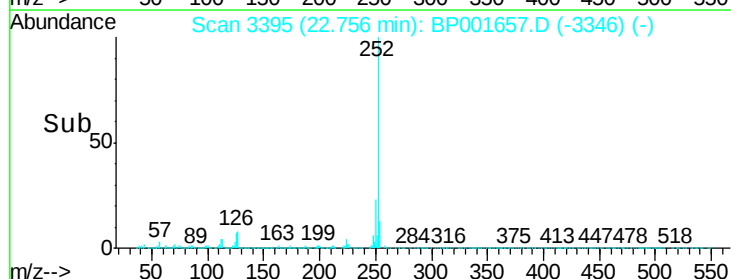
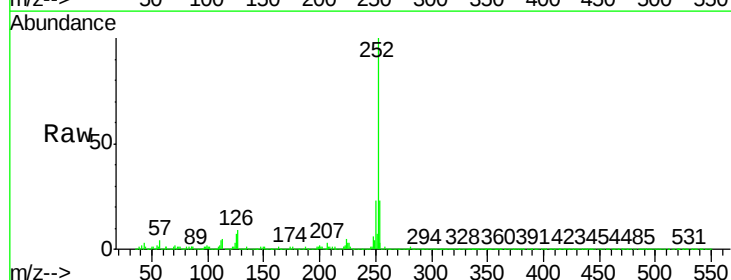
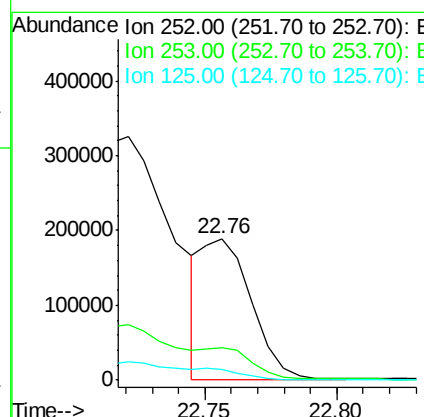
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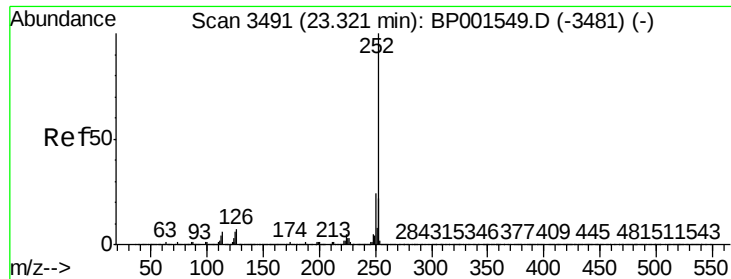
mohammad
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#89
Benzo(k)fluoranthene
Concen: 22.567 ng m
RT: 22.76 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	7.2	4.6	6.8





#90

Benzo(a)pyrene

Concen: 49.251 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

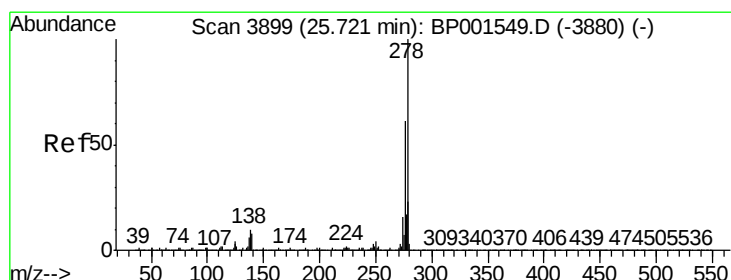
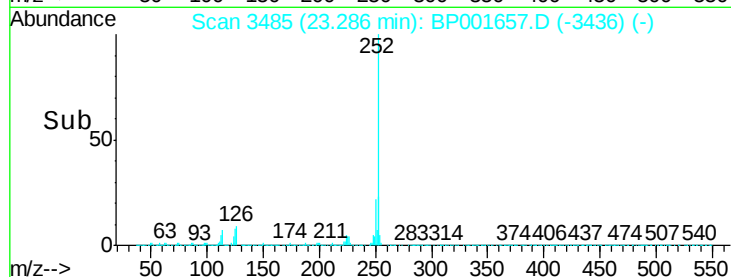
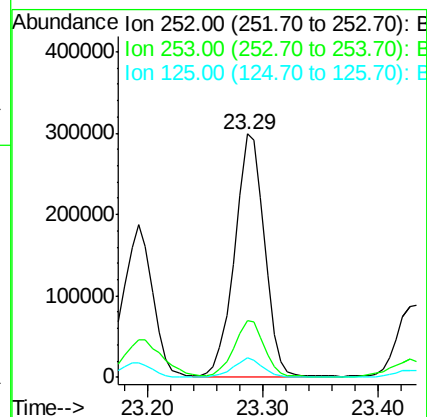
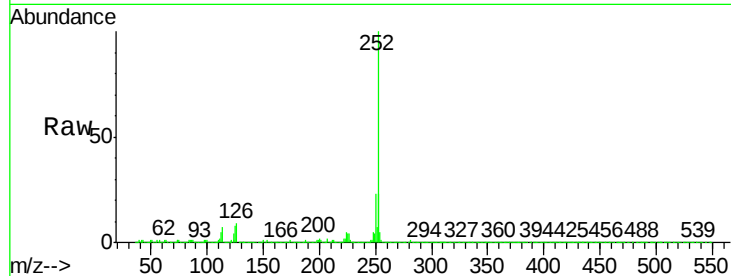
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	252	Resp:	531145
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.6	26.4
125	8.1	5.0	7.4

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#91

Dibenzo(a,h)anthracene

Concen: 7.309 ng

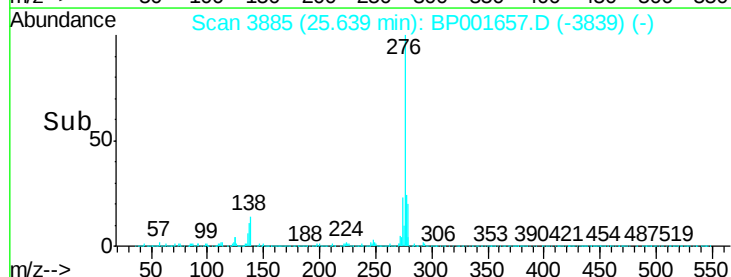
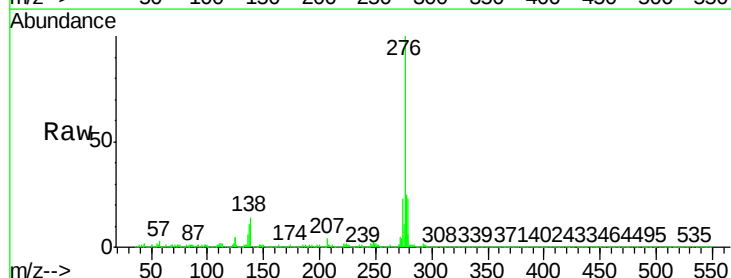
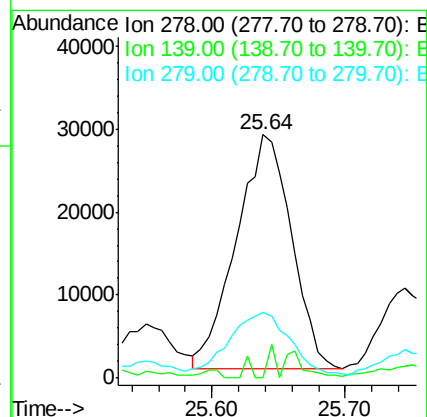
RT: 25.64 min Scan# 3885

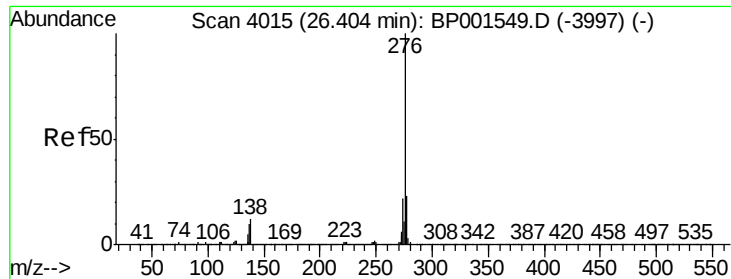
Delta R.T. -0.03 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt Ion:	278	Resp:	81325
Ion Ratio	Lower	Upper	
278	100		
139	0.0	6.7	10.1
279	27.1	18.6	28.0





#92
 Benzo(a,h,i)perylene
 Concen: 28.933 ng
 RT: 26.33 min Scan# 4002
 Delta R.T. -0.01 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	18.6	28.0
138	14.4	9.4	14.2

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:52:57 AM

