

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001649.D
 Acq On : 17 Jan 2020 03:07
 Operator : JU
 Sample : L1108-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jan 17 06:32:26 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	37768	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	145179	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	98176	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	213482	20.00	ng	0.00
76) Chrysene-d12	21.15	240	162718	20.00	ng	0.00
87) Perylene-d12	23.39	264	173350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	44294	22.97	ng	0.00
7) Phenol-d6	6.83	99	66592	21.61	ng	0.00
23) Nitrobenzene-d5	8.78	82	43202	13.00	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	22696	15.19	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	97099	14.54	ng	0.00
79) Terphenyl-d14	19.63	244	136614	15.36	ng	-0.01
Target Compounds						
49) Acenaphthylene	14.00	152	106243	11.782	ng	99
71) Phenanthrene	17.09	178	97729	8.418	ng	99
72) Anthracene	17.18	178	113111	10.008	ng	98
75) Fluoranthene	19.07	202	869957	56.947	ng	100
78) Pyrene	19.43	202	799236	66.865	ng	99
81) Benzo(a)anthracene	21.14	228	477073	42.099	ng	94
83) Chrysene	21.19	228	428516	38.801	ng	96
86) Indeno(1,2,3-cd)pyrene	25.65	276	333187	25.773	ng	99
88) Benzo(b)fluoranthene	22.73	252	705118	64.550	ng	99
89) Benzo(k)fluoranthene	22.76	252	205788m	19.322	ng	
90) Benzo(a)pyrene	23.29	252	499894	48.198	ng	97
91) Dibenzo(a,h)anthracene	25.65	278	77889	7.279	ng	# 90
92) Benzo(a,h,i)perylene	26.34	276	303080	28.490	ng	97

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

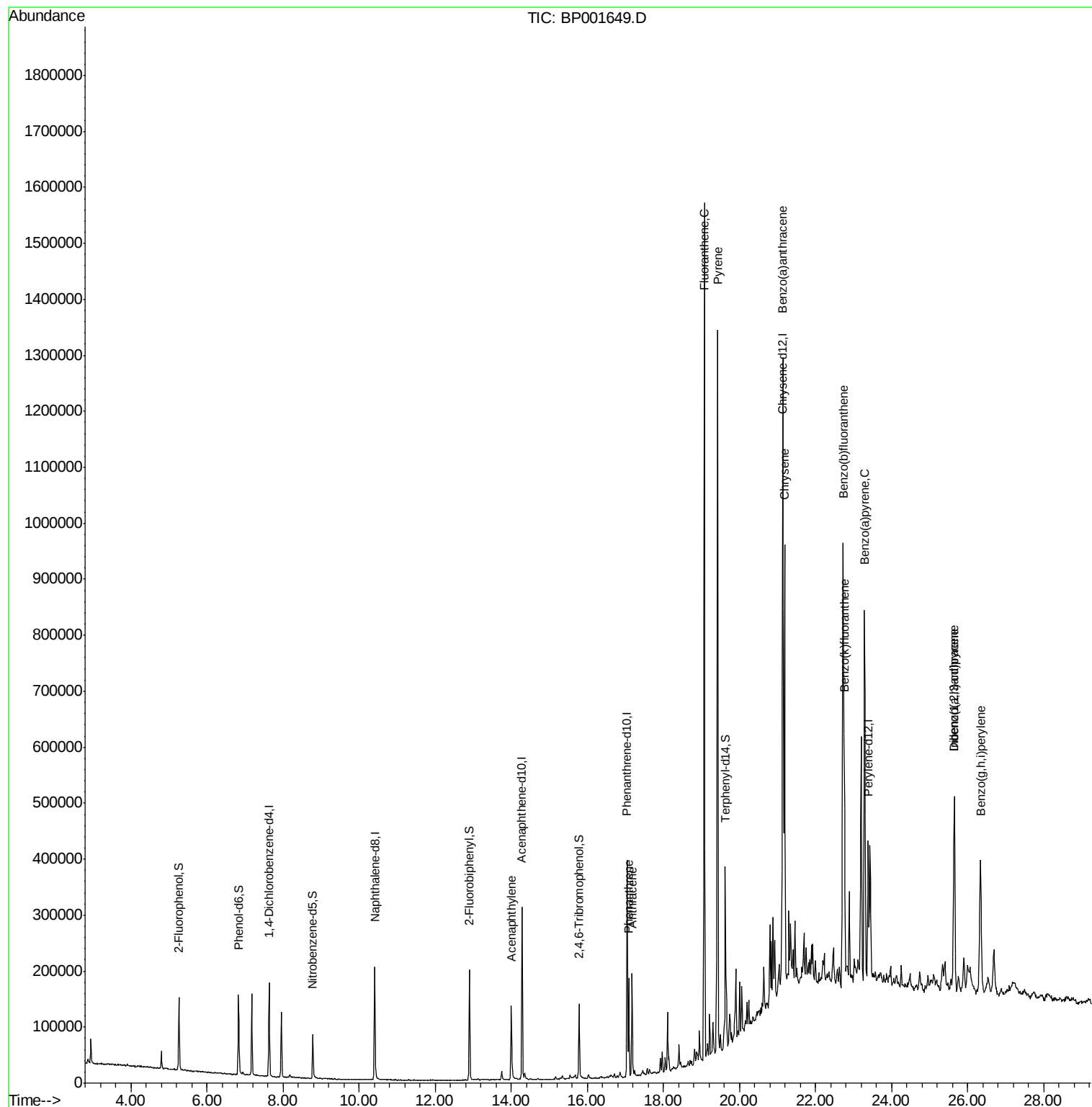
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

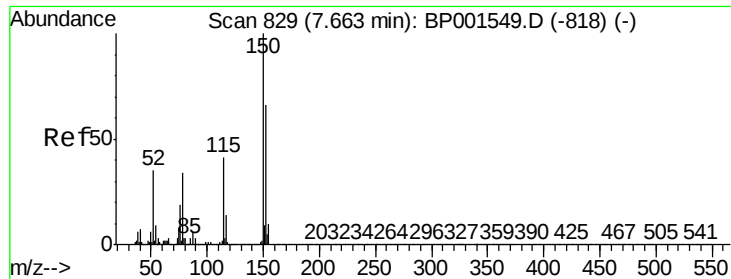
Instrument :
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ClientSampleId :
INWOOD-BH-03-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
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#1

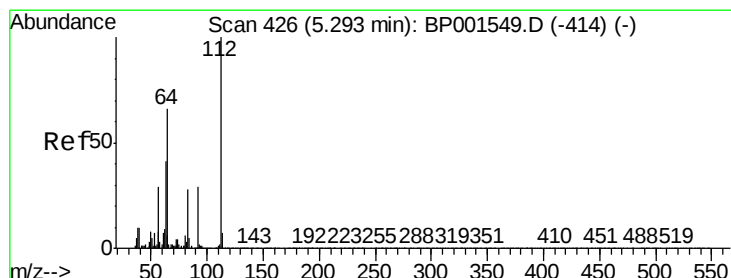
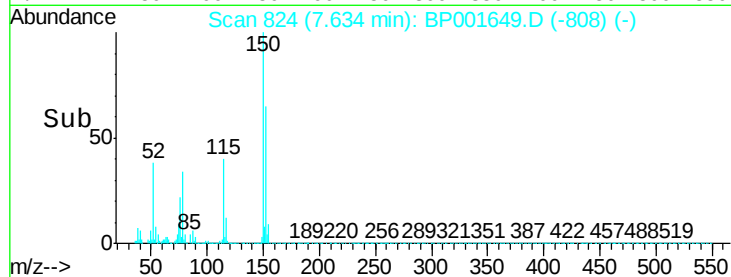
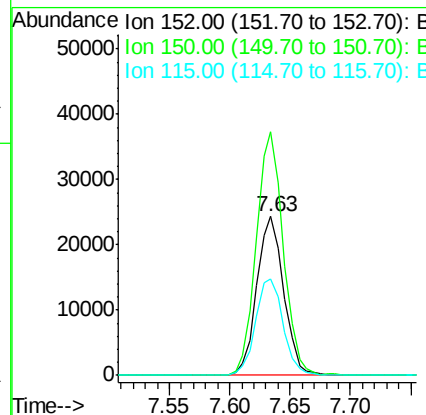
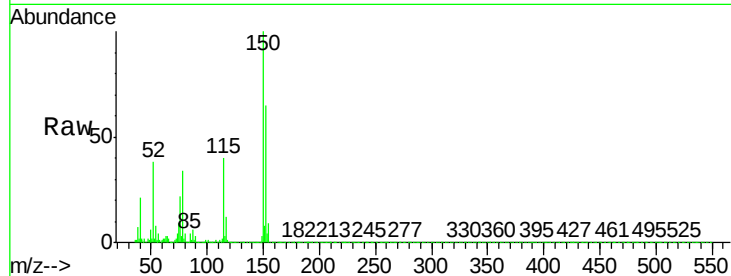
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.0	183.0
115	61.0	50.7	76.1

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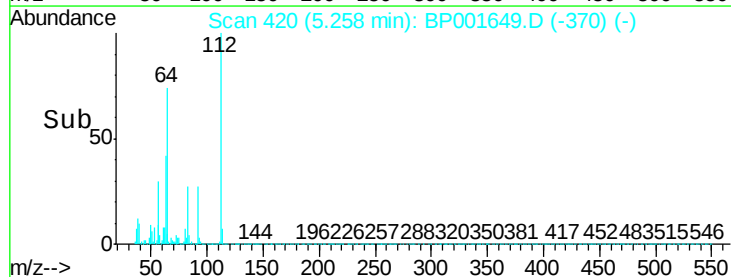
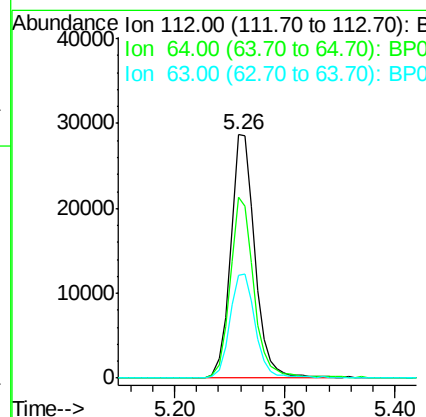
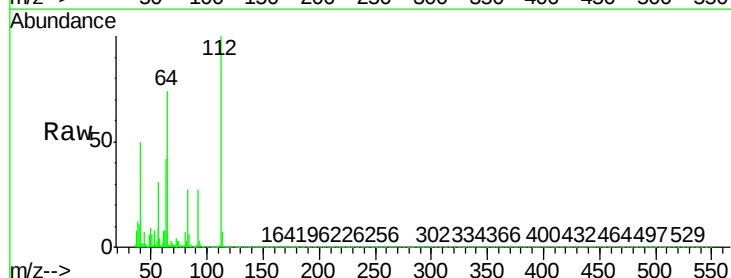
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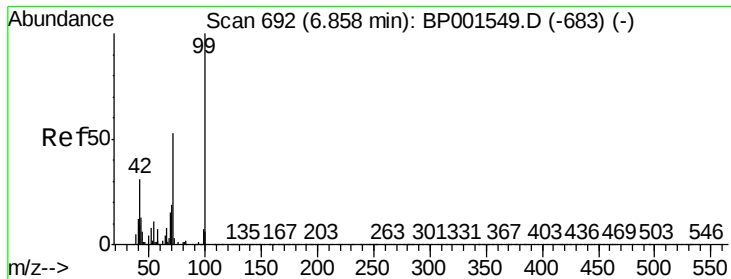


#5

2-Fluorophenol
Concen: 22.974 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.2	52.8	79.2
63	42.3	33.1	49.7





#7

Phenol-d6

Concen: 21.611 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

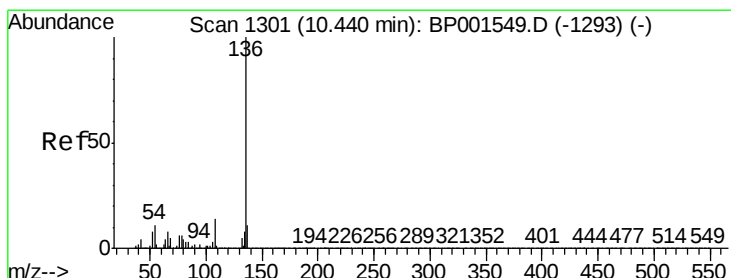
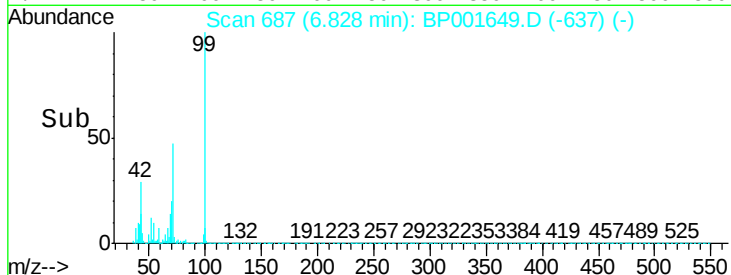
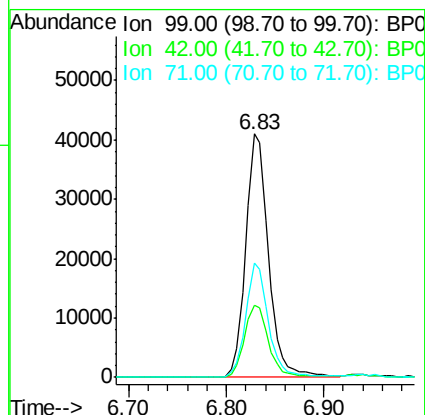
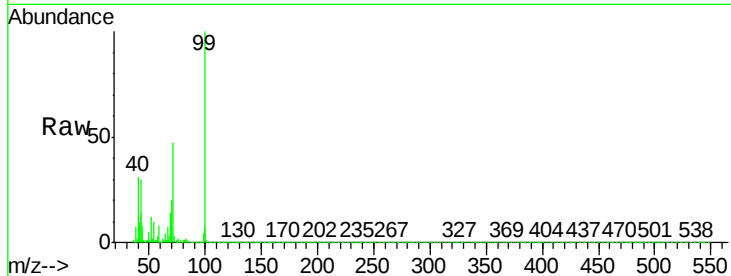
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	99	Resp:	66592
Ion Ratio	Lower	Upper	
99	100		
42	29.8	24.5	36.7
71	46.8	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

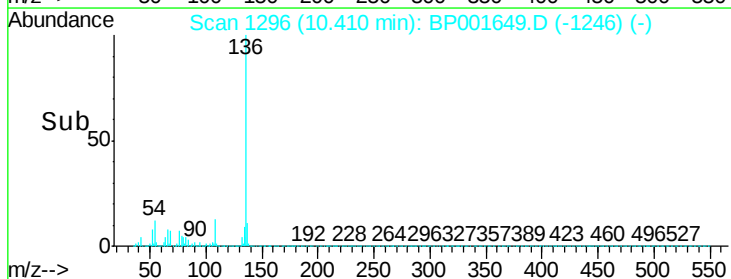
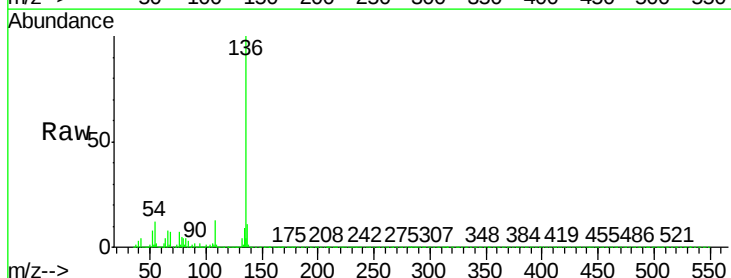
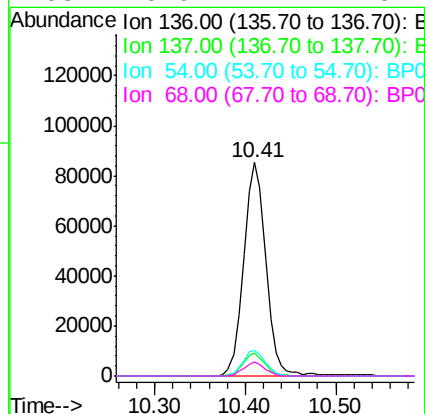
RT: 10.41 min Scan# 1296

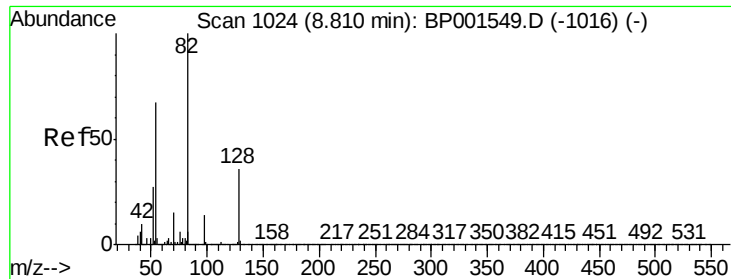
Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Tgt Ion:	136	Resp:	145179
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	12.3	9.2	13.8
68	6.9	4.1	6.1#





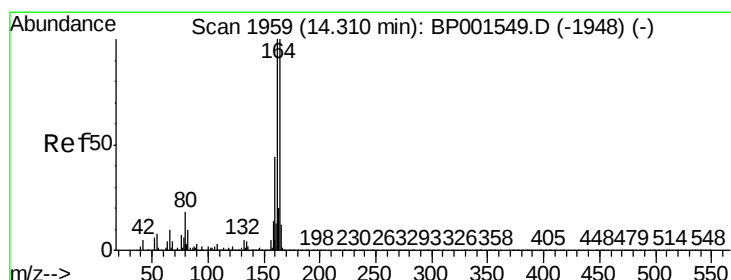
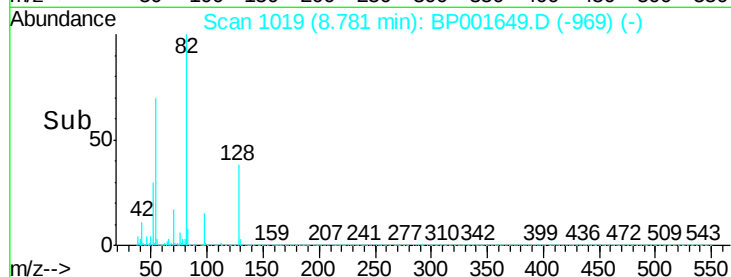
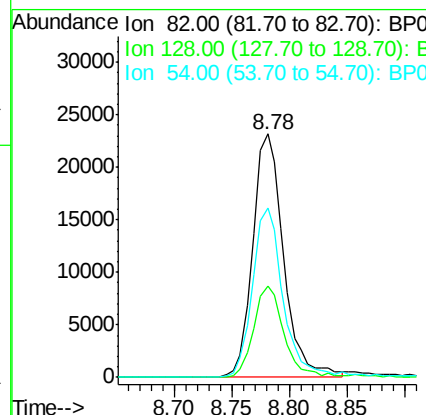
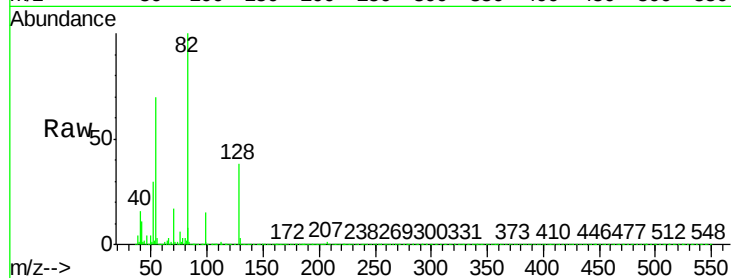
#23
Nitrobenzene-d5
Concen: 13.003 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	37.6	28.4	42.6	
54	69.6	53.4	80.2	

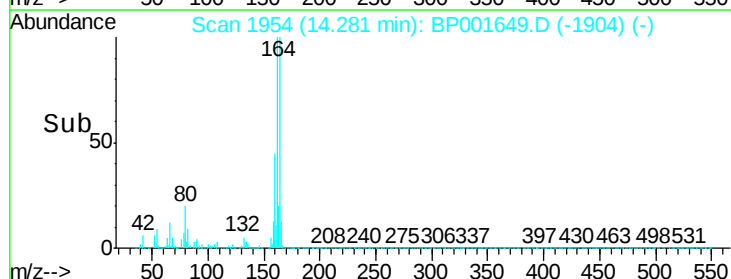
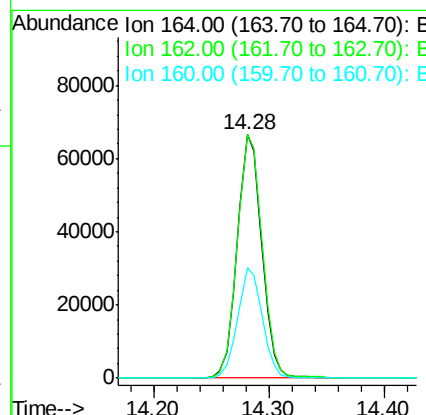
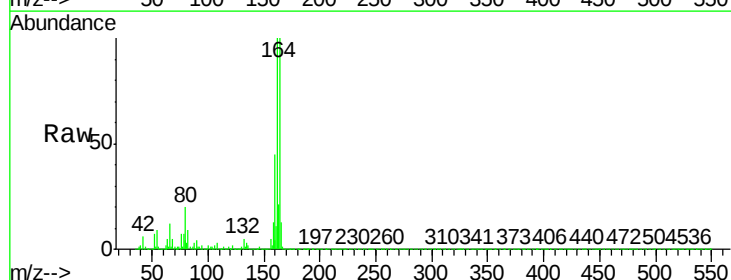
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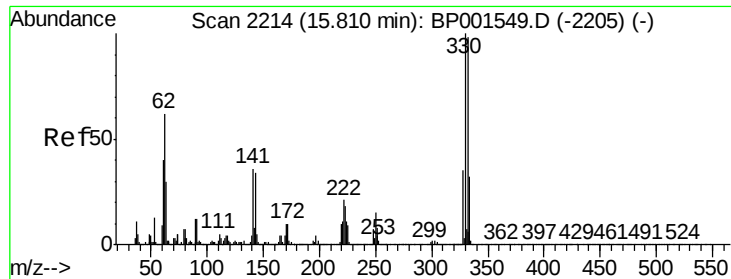
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	99.9	79.8	119.6	
160	45.3	35.0	52.6	





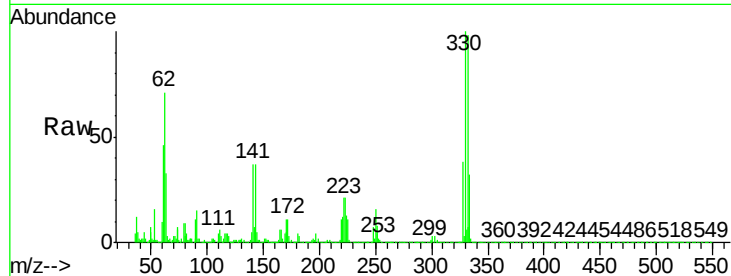
#42
2,4,6-Tribromophenol
Concen: 15.187 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.8	116.6
141	39.2	28.7	43.1

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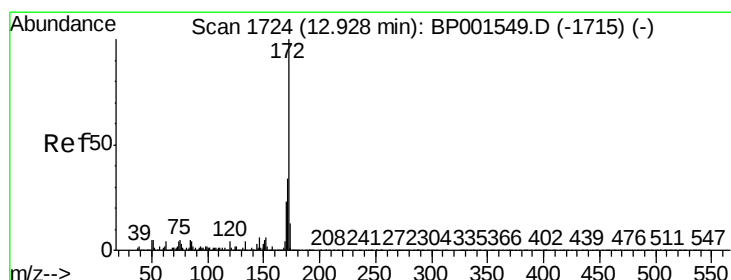
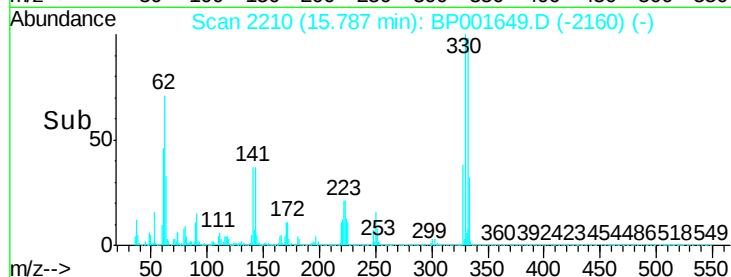
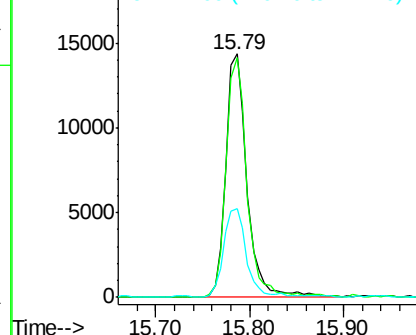


Abundance

Ion 329.80 (329.50 to 330.50): E

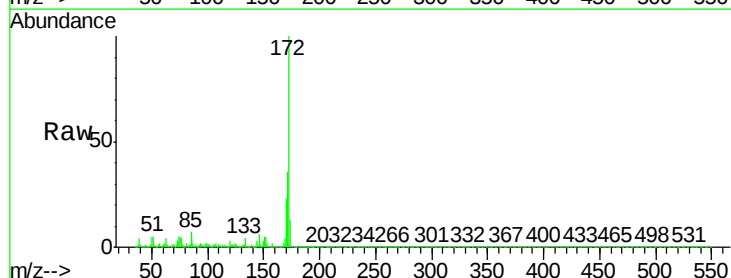
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 14.541 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.6	41.4
170	22.8	18.3	27.5

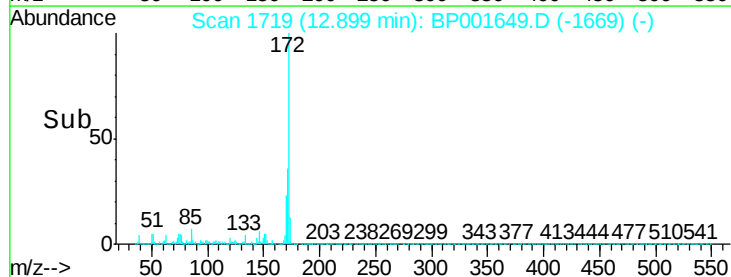
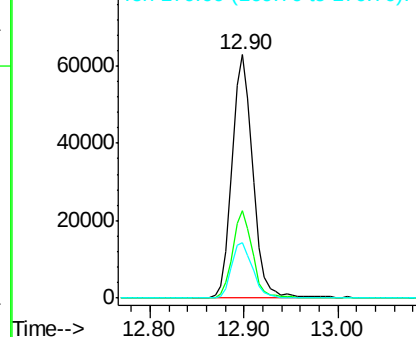


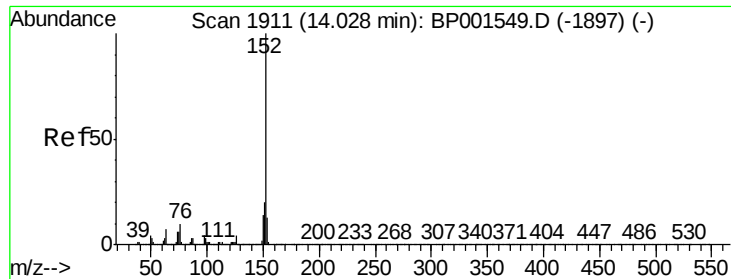
Abundance

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





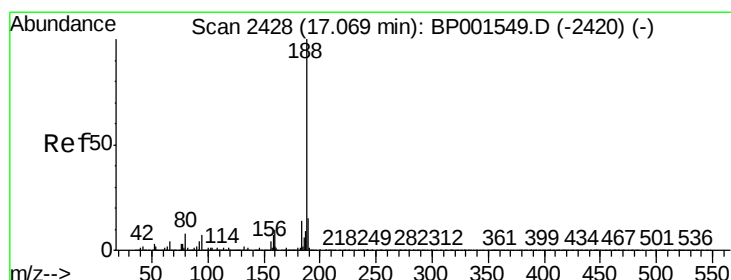
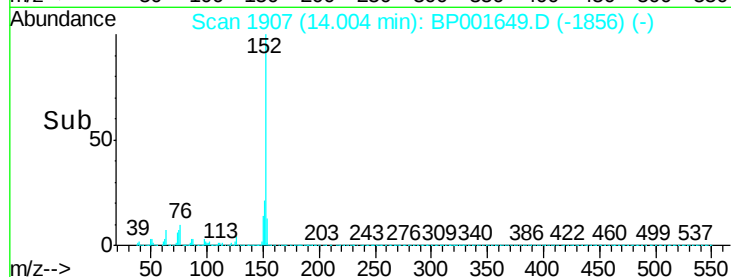
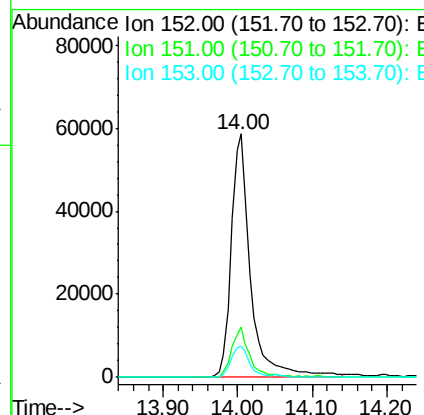
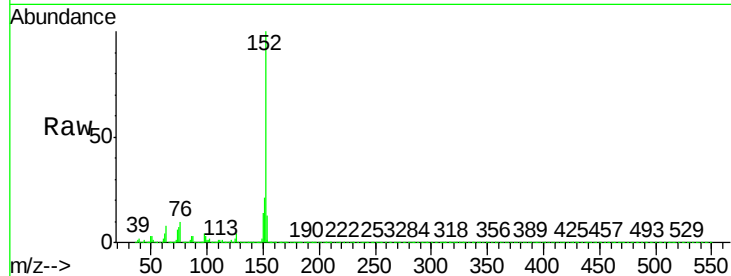
#49
Acenaphthylene
Concen: 11.782 ng
RT: 14.00 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		106243		
151	20.7	15.9	23.9		
153	12.7	10.4	15.6		

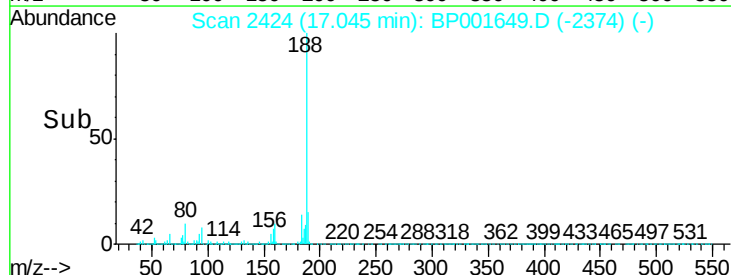
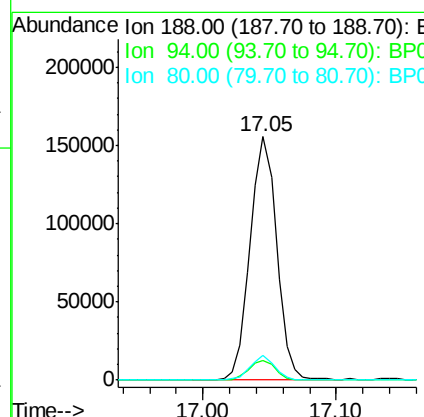
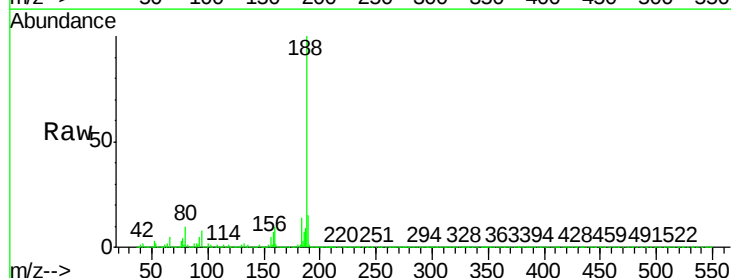
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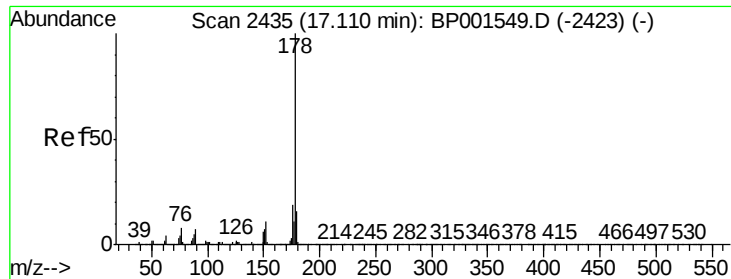
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		213482		
94	7.9	5.9	8.9		
80	10.1	6.8	10.2		





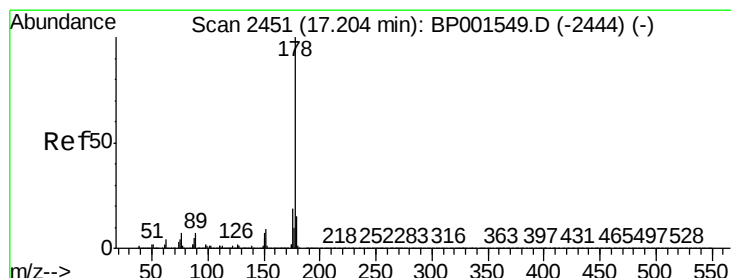
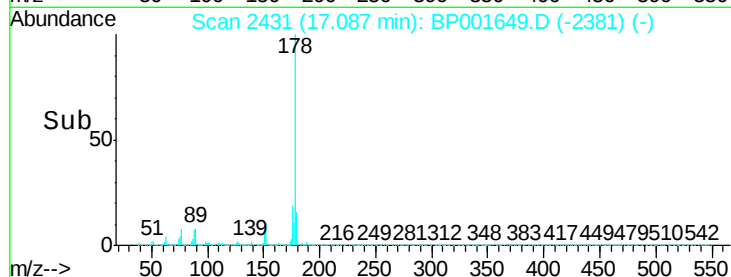
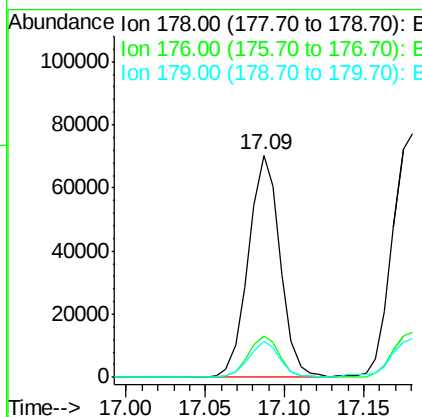
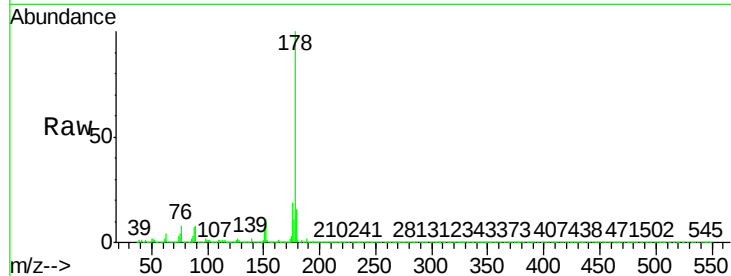
#71
Phenanthrene
Concen: 8.418 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.4	12.5	18.7

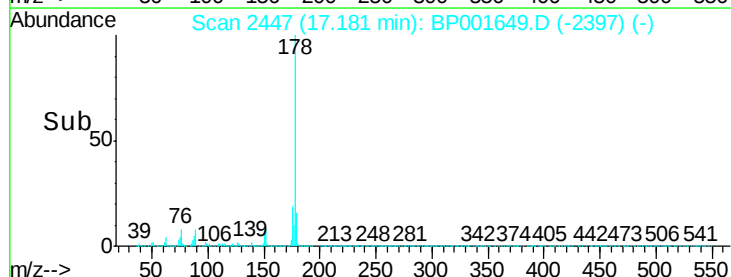
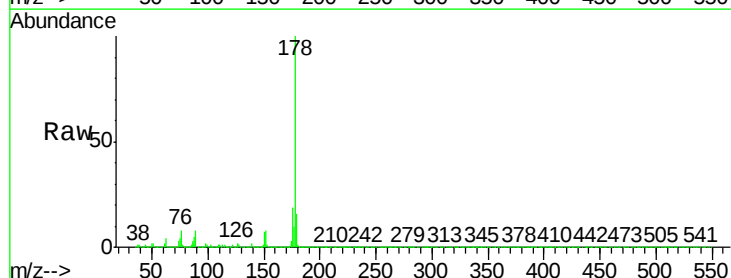
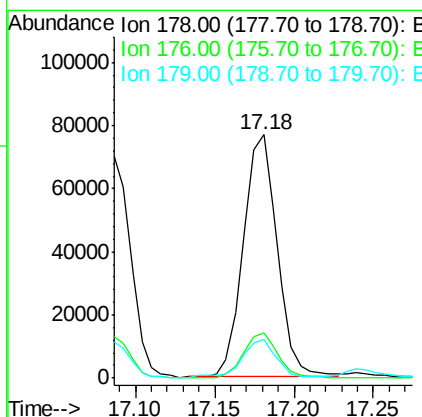
Manual Integrations
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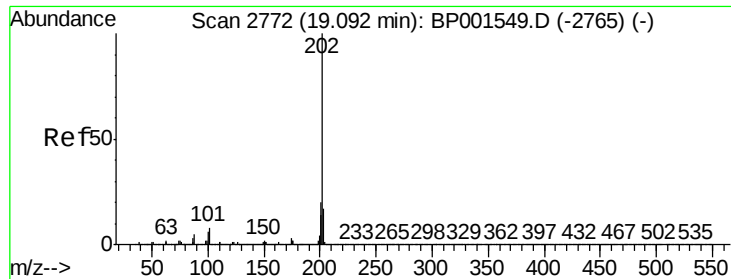
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#72
Anthracene
Concen: 10.008 ng
RT: 17.18 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	16.1	11.8	17.8





#75

Fluoranthene

Concen: 56.947 ng

RT: 19.07 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

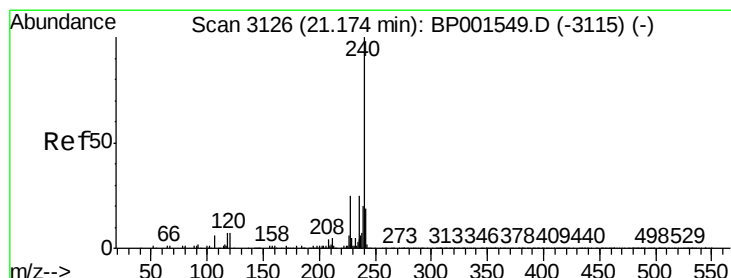
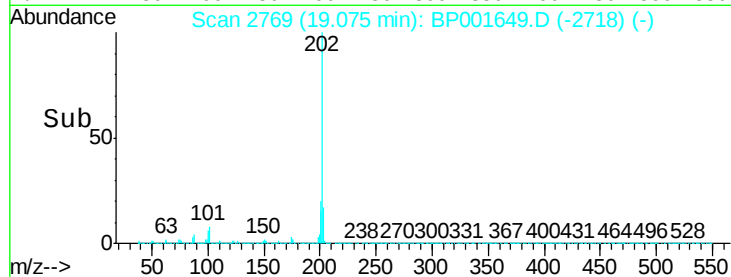
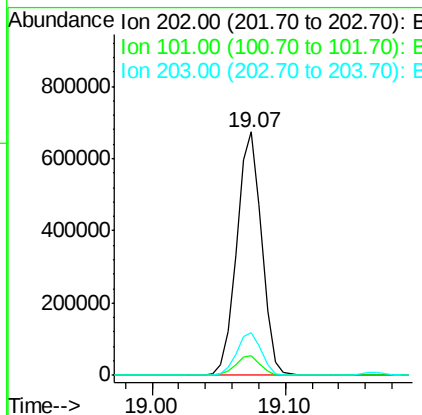
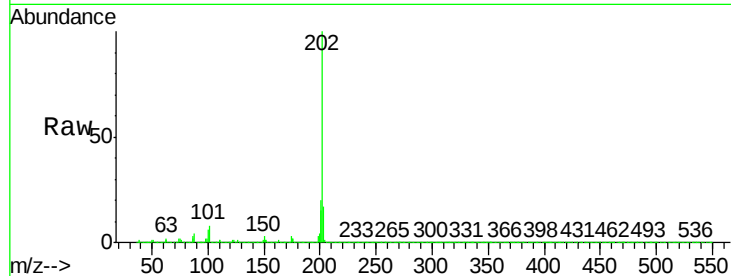
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	202	Resp:	869957
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	28.4
203	17.4	0.0	37.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

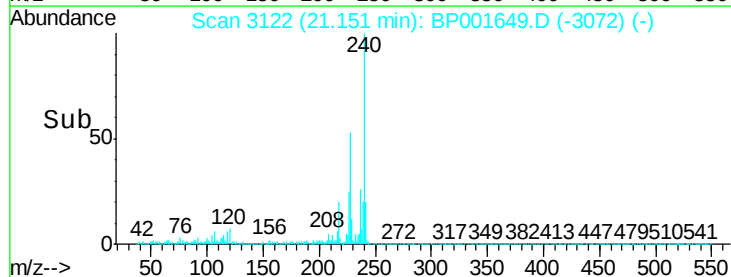
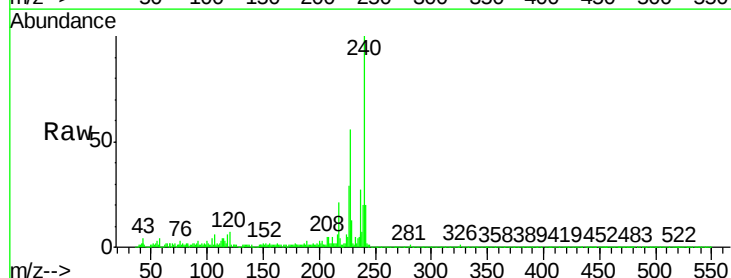
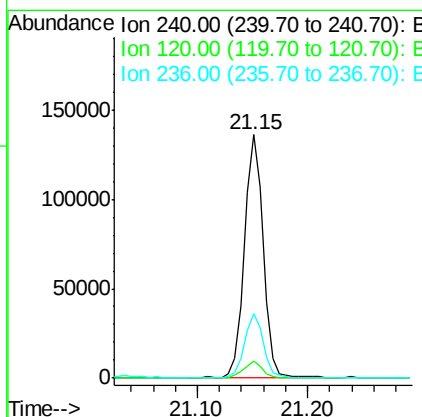
RT: 21.15 min Scan# 3122

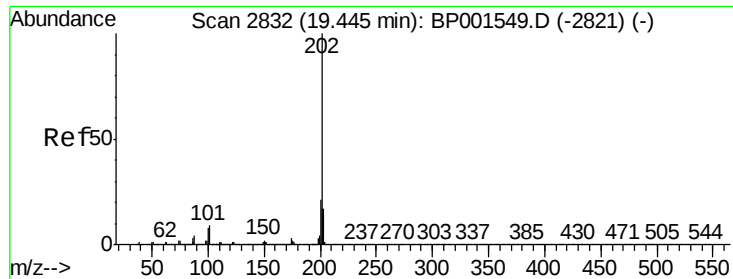
Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Tgt Ion:	240	Resp:	162718
Ion Ratio	Lower	Upper	
240	100		
120	7.1	5.7	8.5
236	26.5	20.4	30.6





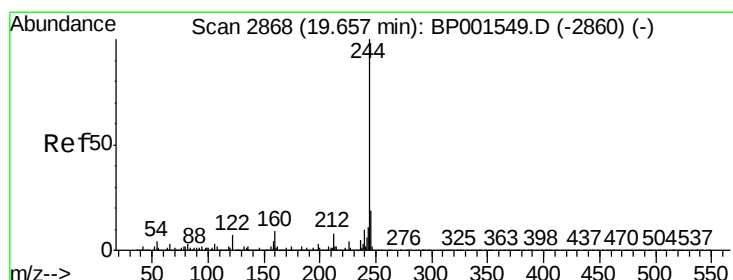
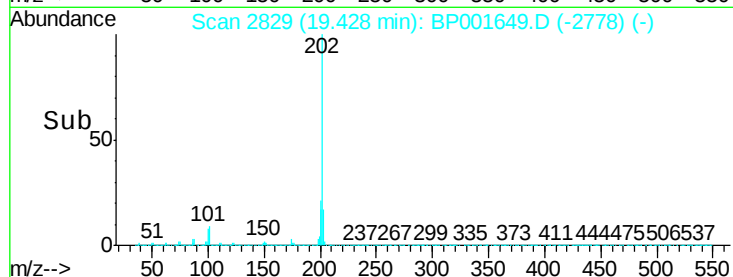
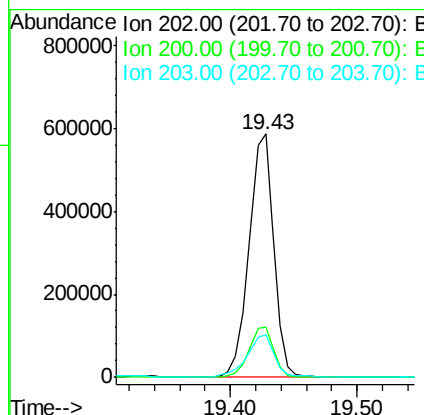
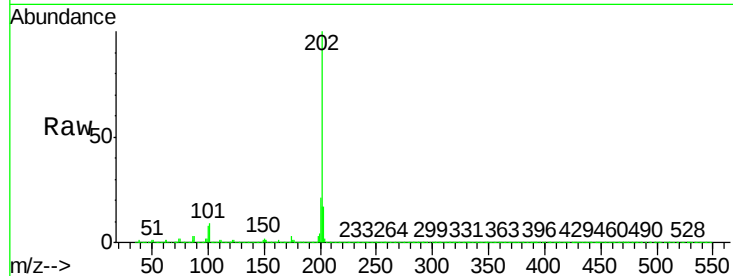
#78
Pvrene
Concen: 66.865 ng
RT: 19.43 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.0	25.6
203	17.4	13.7	20.5

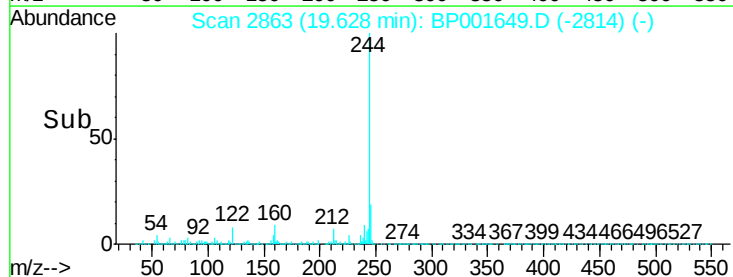
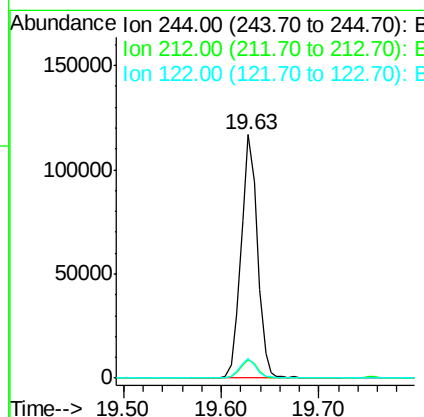
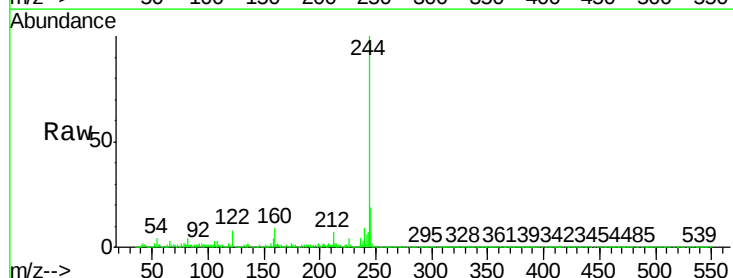
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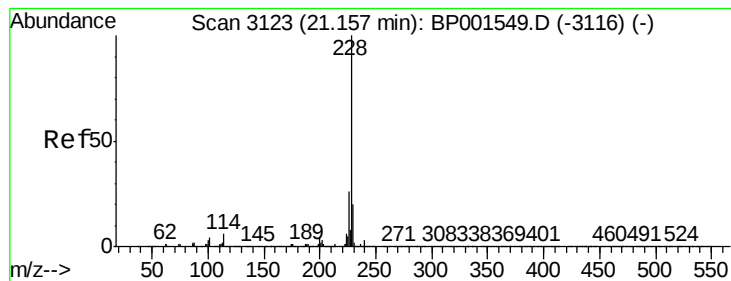
mohammad
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#79
Terphenyl-d14
Concen: 15.356 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.3	9.5
122	7.9	5.8	8.6





#81

Benzo(a)anthracene

Concen: 42.099 ng

RT: 21.14 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

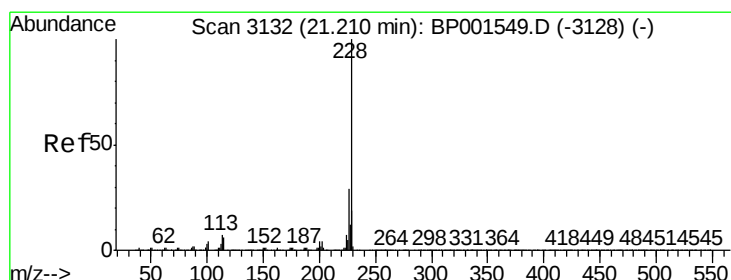
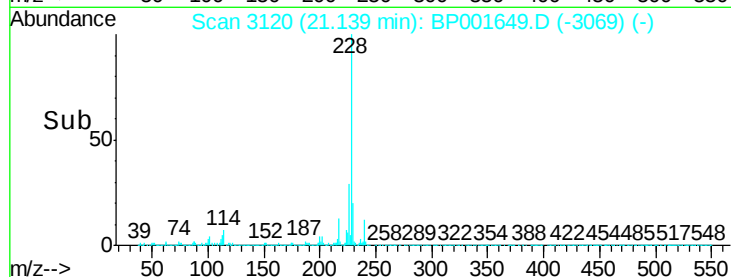
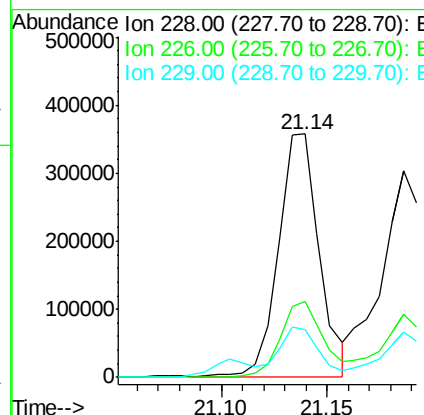
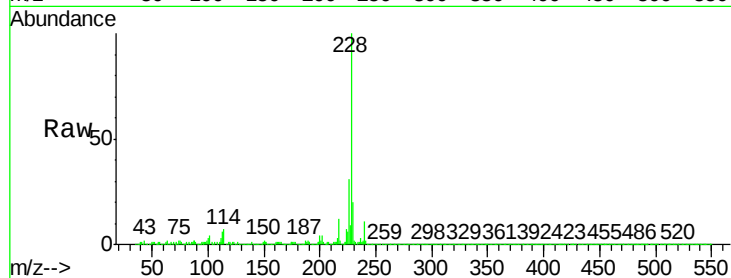
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	228	Resp:	477073
Ion Ratio	Lower	Upper	
228	100		
226	31.4	21.2	31.8
229	19.8	16.1	24.1

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#83

Chrysene

Concen: 38.801 ng

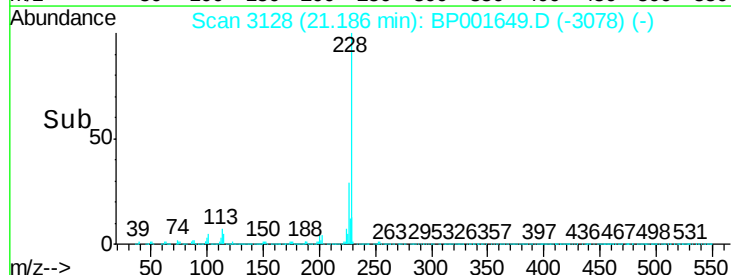
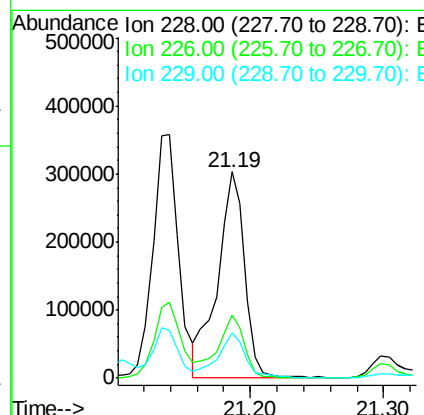
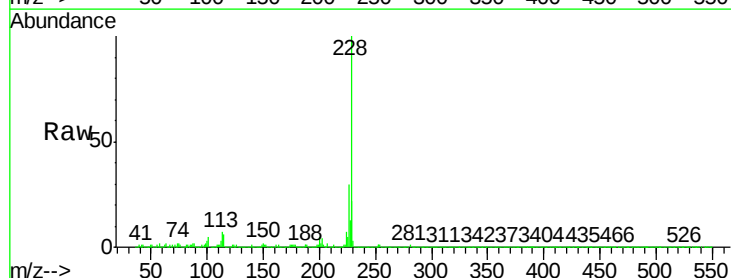
RT: 21.19 min Scan# 3128

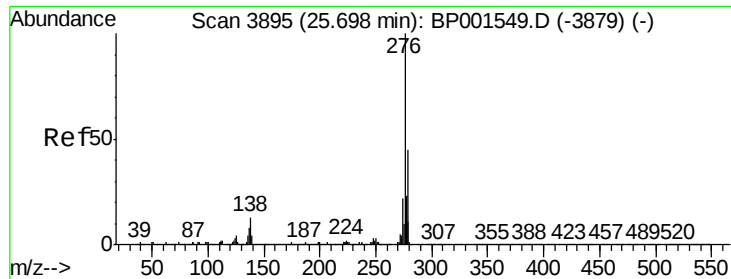
Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Tgt Ion:	228	Resp:	428516
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.2	34.8
229	22.0	15.2	22.8





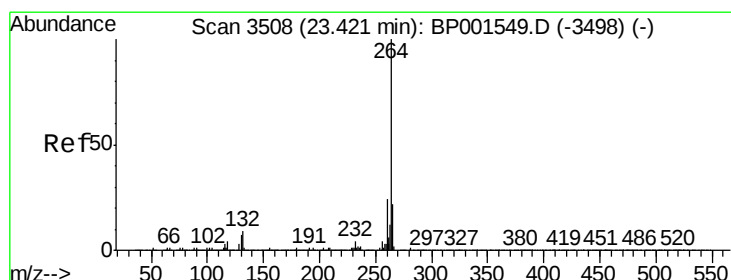
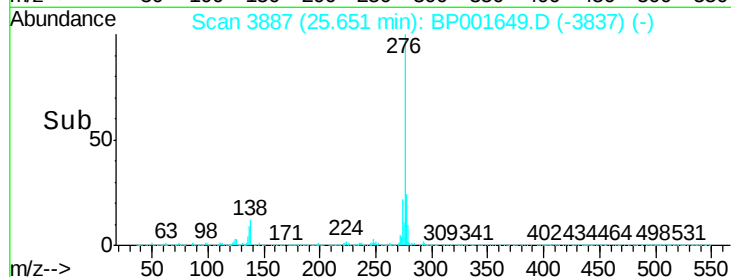
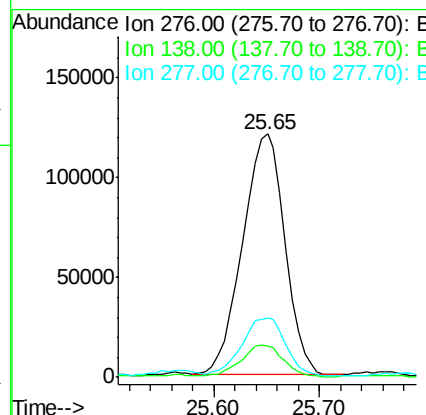
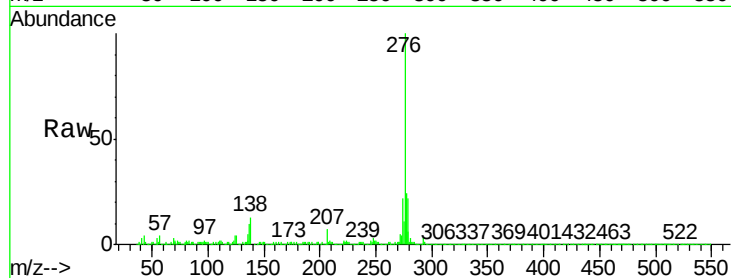
#86
Indeno(1,2,3-cd)pyrene
Concen: 25.773 ng
RT: 25.65 min Scan# 3887
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.4	11.1	16.7
277	25.0	20.4	30.6

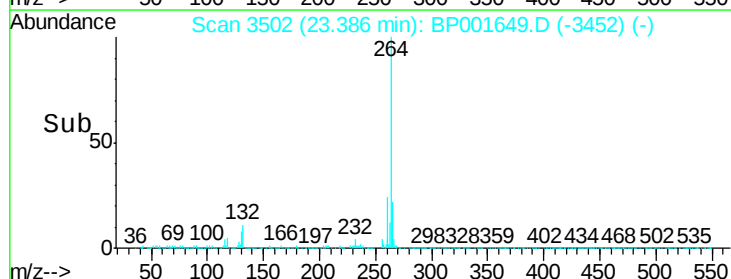
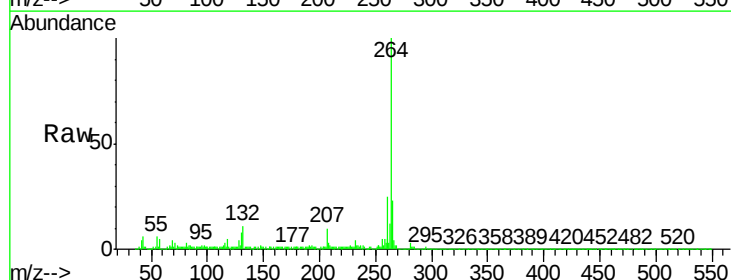
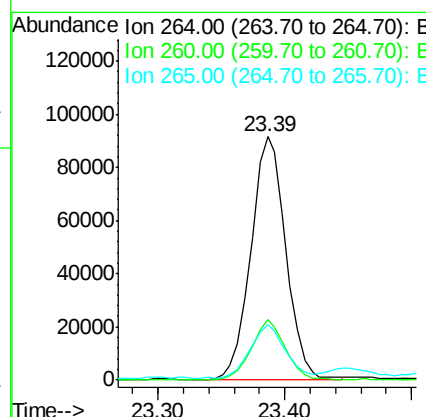
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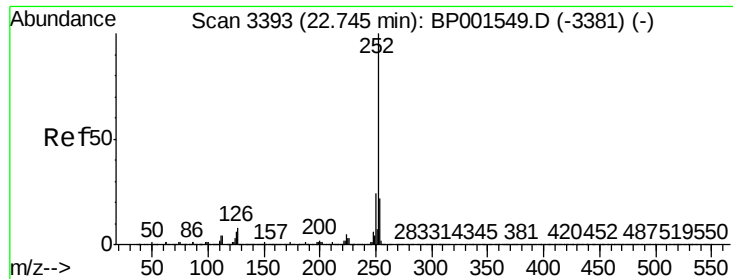
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.6	18.2	27.4





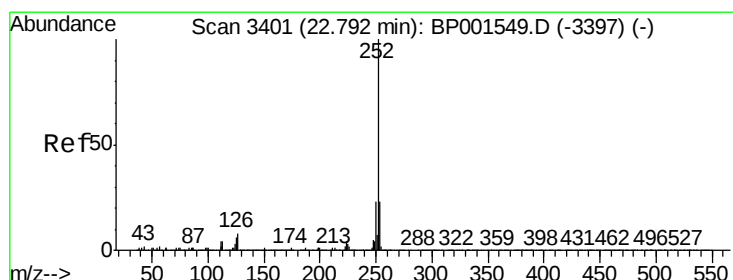
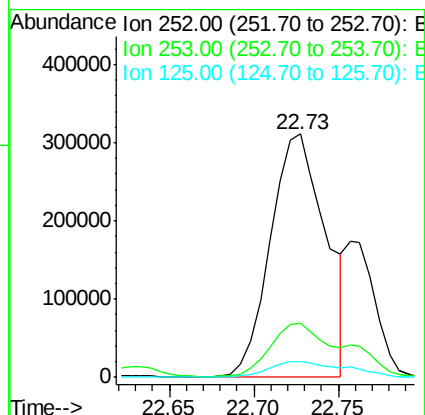
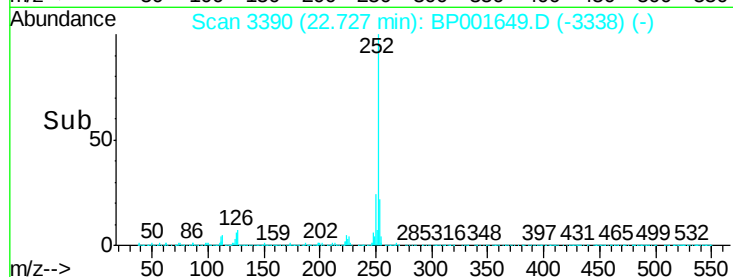
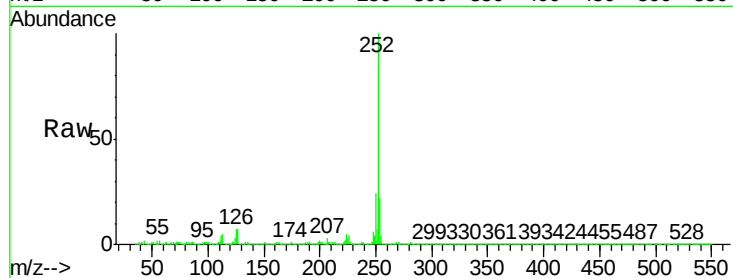
#88
Benzo(b)fluoranthene
Concen: 64.550 ng
RT: 22.73 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	6.7	4.6	7.0

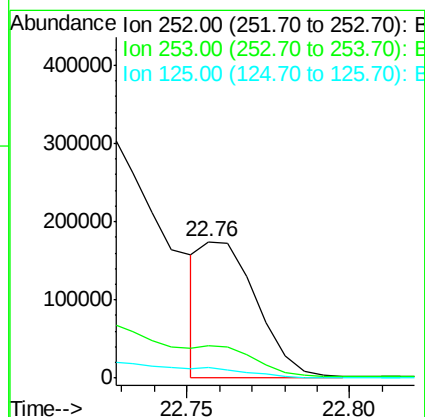
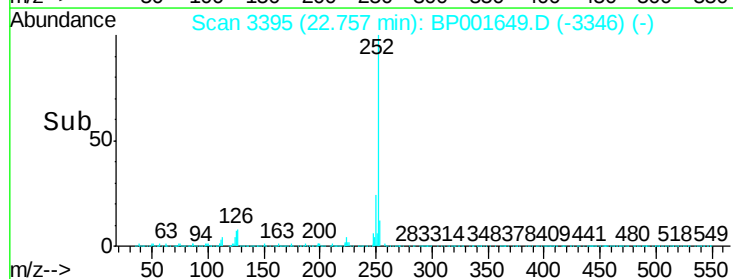
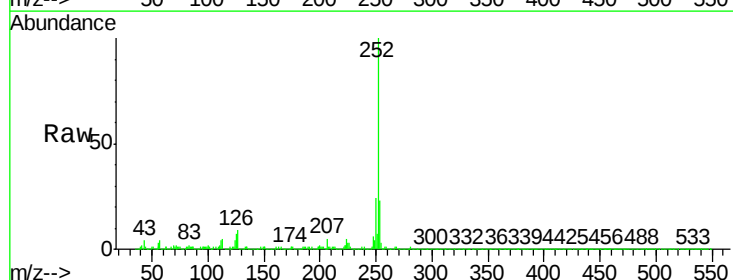
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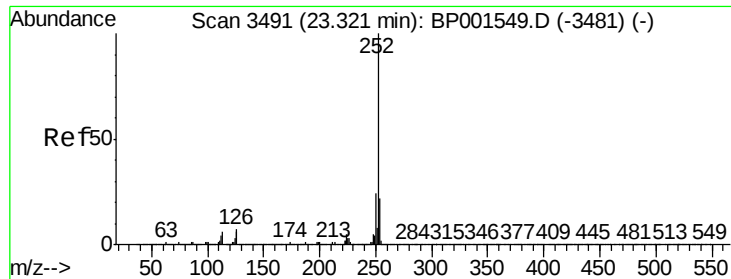
mohammad
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#89
Benzo(k)fluoranthene
Concen: 19.322 ng m
RT: 22.76 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	7.4	4.6	6.8#





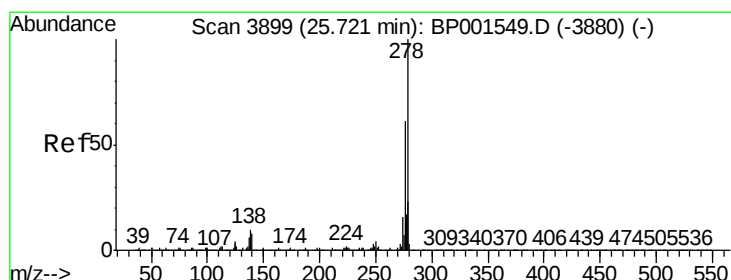
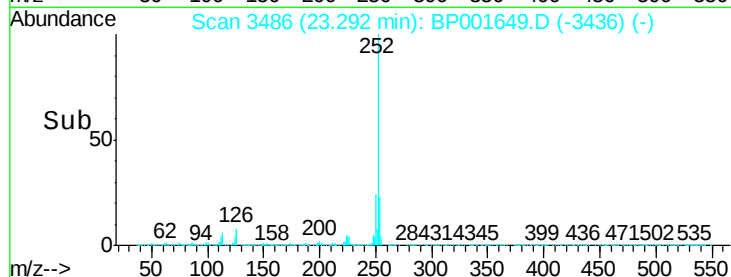
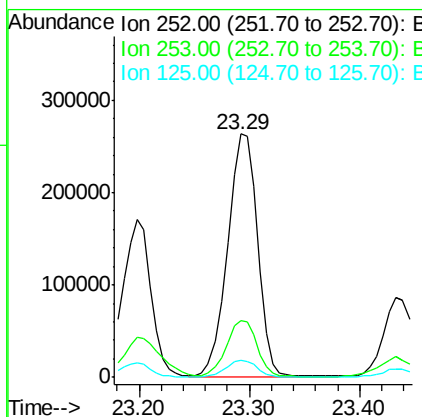
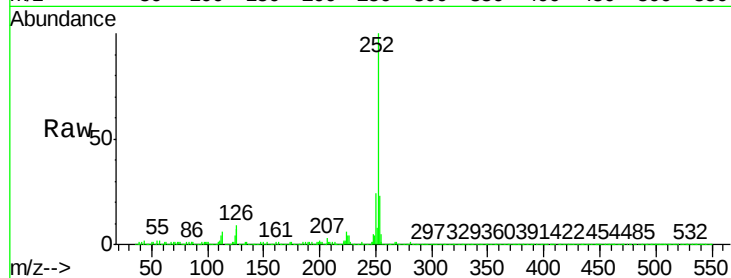
#90
Benzo(a)pyrene
Concen: 48.198 ng
RT: 23.29 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

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

Tot Ion:	252	Resp:	499894
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.6	26.4
125	7.1	5.0	7.4

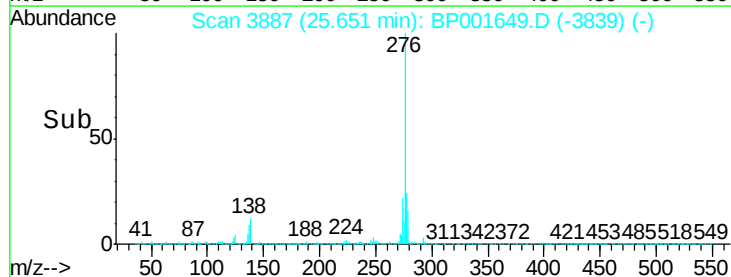
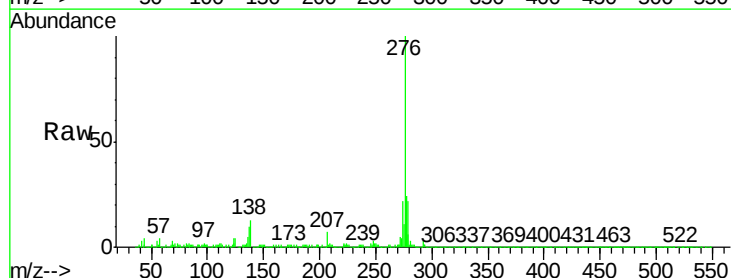
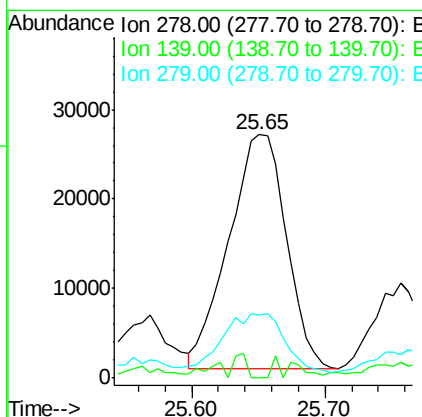
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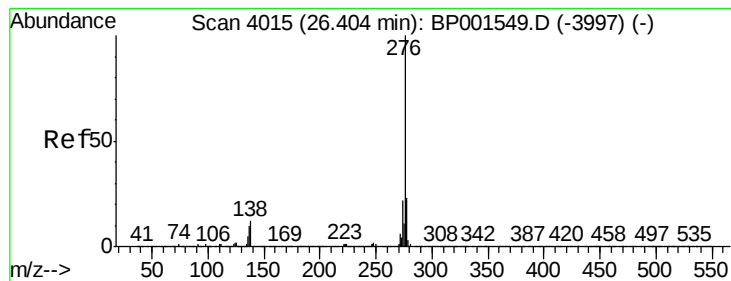
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 7.279 ng
RT: 25.65 min Scan# 3887
Delta R.T. -0.02 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion:	278	Resp:	77889
Ion Ratio	Lower	Upper	
278	100		
139	0.0	6.7	10.1#
279	25.8	18.6	28.0





#92

Benzo(a,h,i)perylene

Concen: 28.490 ng

RT: 26.34 min Scan# 4004

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	276	Resp:	303080
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.6	28.0
138	14.0	9.4	14.2

Manual Integrations
APPROVED

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