

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
 Data File : BP001628.D
 Acq On : 16 Jan 2020 01:50
 Operator : JU
 Sample : L1108-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 1/16/2020 2:24:42 PM

Quant Time: Jan 16 07:59:43 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	44387	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	158614	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	103393	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	220142	20.00	ng	0.00
76) Chrysene-d12	21.17	240	175732	20.00	ng	0.01
87) Perylene-d12	23.42	264	177171	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	216329	95.47	ng	0.00
7) Phenol-d6	6.83	99	315447	87.11	ng	0.00
23) Nitrobenzene-d5	8.79	82	222067	61.18	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	120540	76.59	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	474320	67.45	ng	0.00
79) Terphenyl-d14	19.64	244	592159	61.63	ng	0.00
Target Compounds						
10) Phenol	6.86	94	7782	2.077	ng	95
49) Acenaphthylene	14.00	152	515061	54.236	ng	99
50) Dimethylphthalate	13.75	163	40156	4.715	ng	# 95
52) Acenaphthene	14.35	154	15541	2.642	ng	# 91
71) Phenanthrene	17.09	178	438847	36.656	ng	99
72) Anthracene	17.19	178	559115	47.973	ng	99
73) Carbazole	17.46	167	26018	2.378	ng	99
75) Fluoranthene	19.09	202	3675894	233.344	ng	98
78) Pyrene	19.45	202	3397200	263.166	ng	98
81) Benzo(a)anthracene	21.16	228	2209300m	180.519	ng	
83) Chrysene	21.21	228	1942451	162.860	ng	96
86) Indeno(1,2,3-cd)pyrene	25.72	276	1615991	115.746	ng	97
88) Benzo(b)fluoranthene	22.76	252	3332489	298.492	ng	99
89) Benzo(k)fluoranthene	22.80	252	890163m	81.776	ng	
90) Benzo(a)pyrene	23.34	252	2319837	218.846	ng	97
91) Dibenzo(a,h)anthracene	25.71	278	364260	33.305	ng	# 89
92) Benzo(g,h,i)perylene	26.42	276	1410002	129.683	ng	98

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

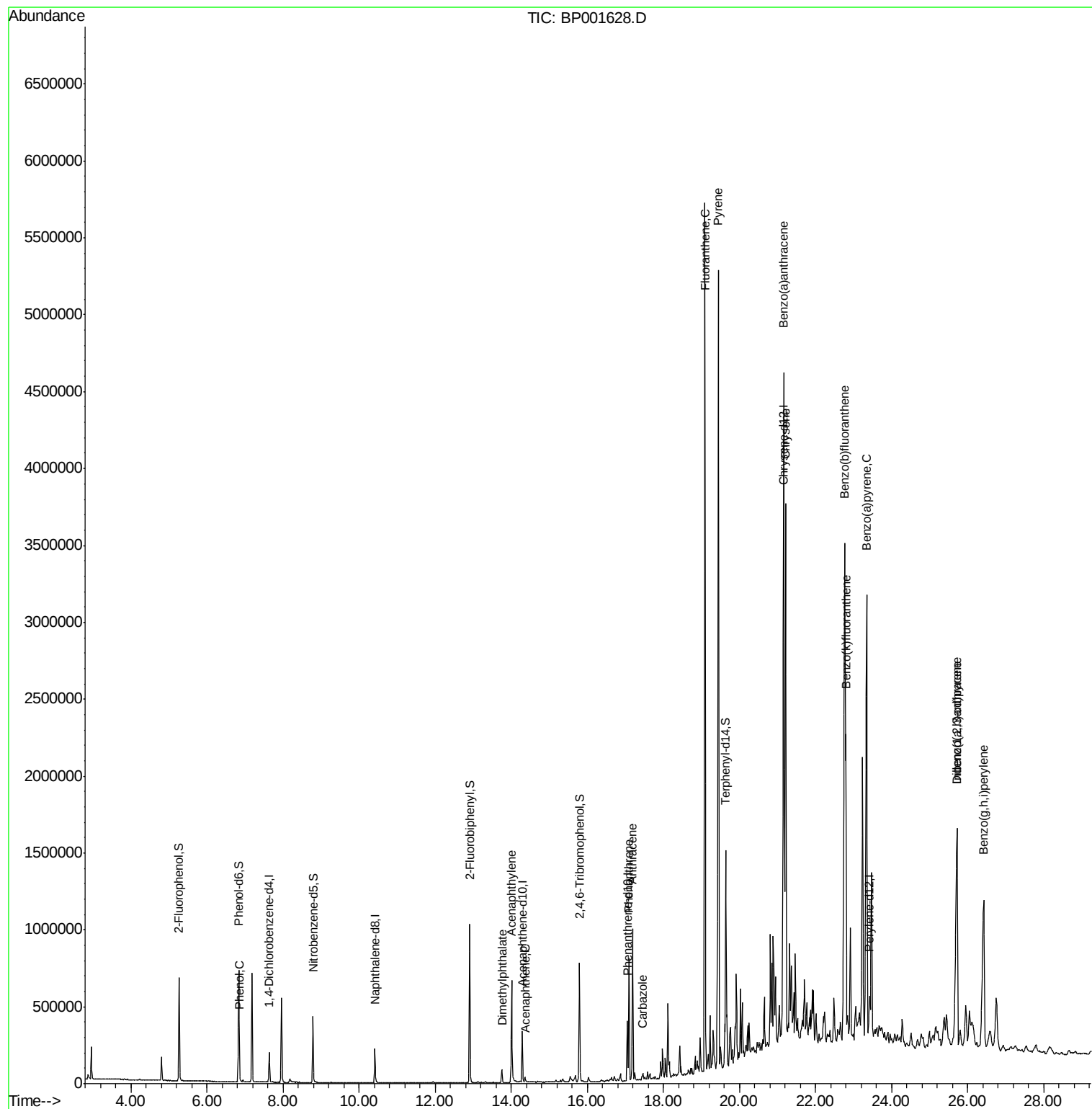
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
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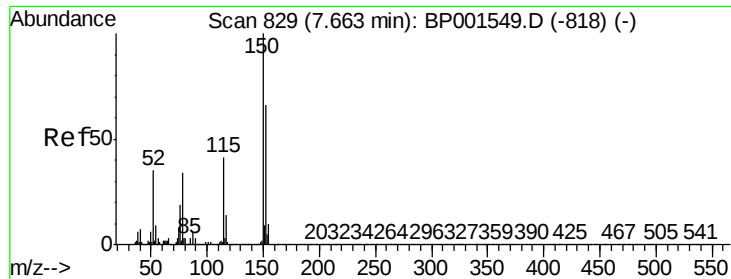
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INWOOD-BH-03-B

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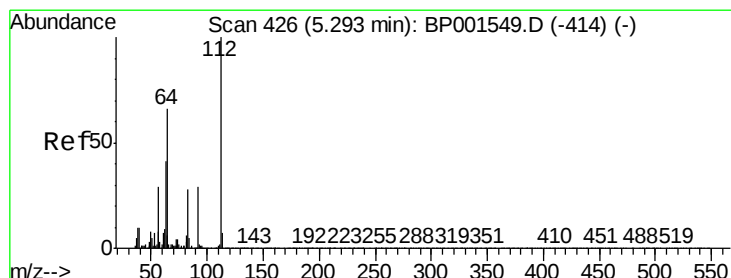
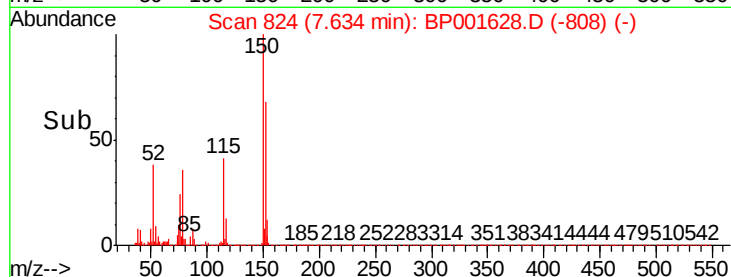
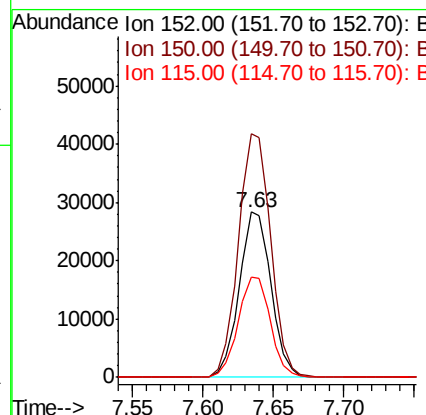
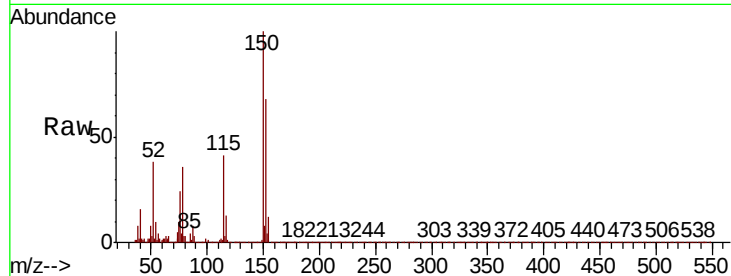
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	122.0	183.0
115	61.0	50.7	76.1

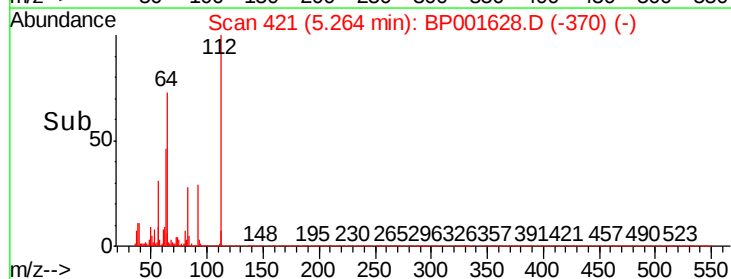
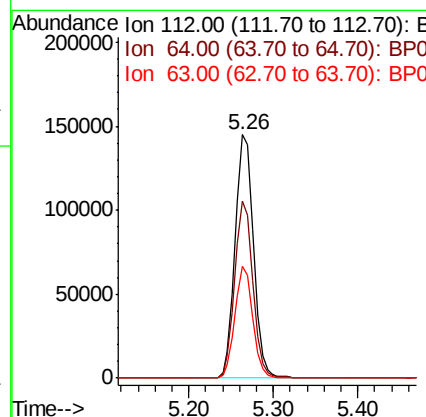
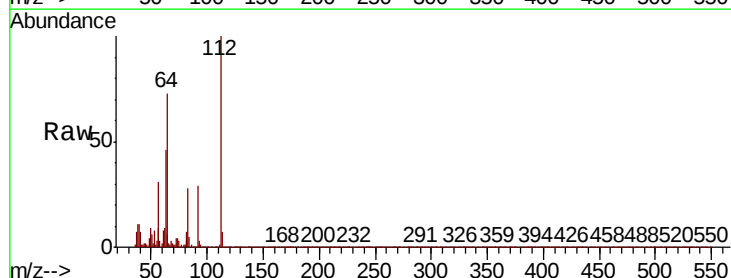
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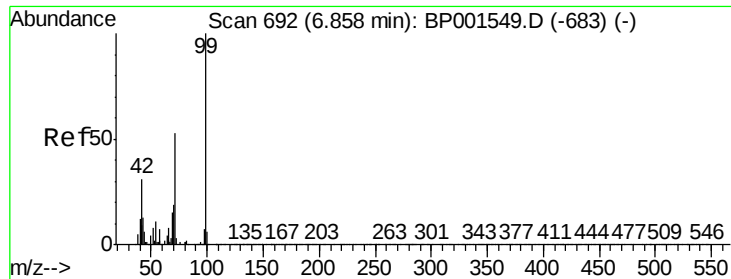
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#5
2-Fluorophenol
Concen: 95.471 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	52.8	79.2
63	45.8	33.1	49.7





#7

Phenol-d6

Concen: 87.107 ng

RT: 6.83 min Scan# 688

Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Instrument :

BNA_P

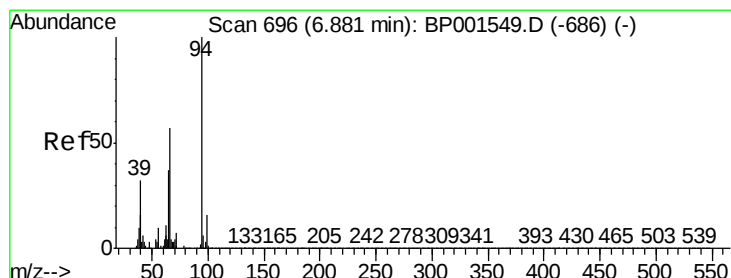
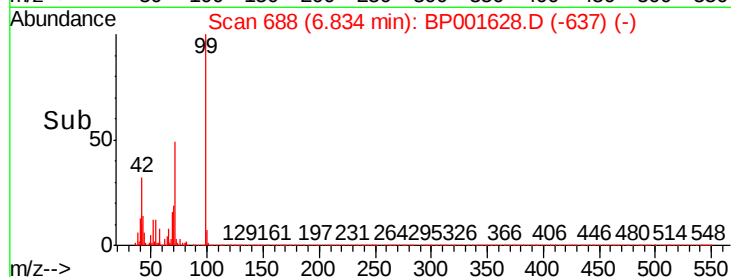
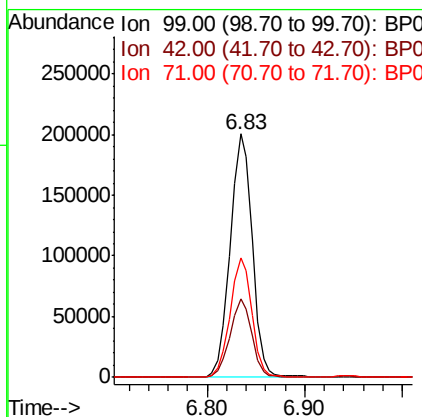
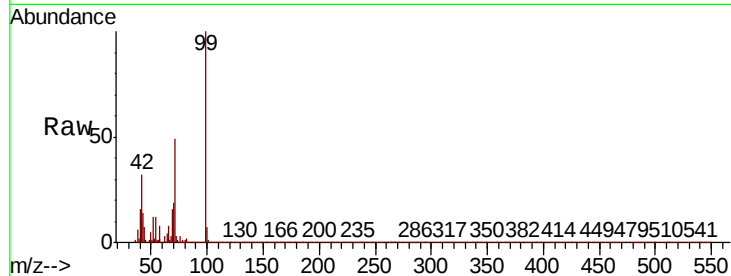
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	99	Resp:	315447
Ion Ratio	Lower	Upper	
99	100		
42	32.3	24.5	36.7
71	48.9	42.4	63.6

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#10

Phenol

Concen: 2.077 ng

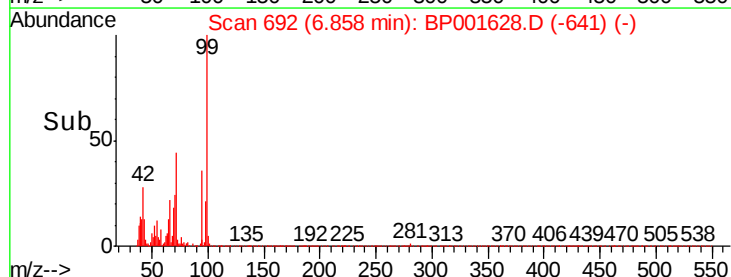
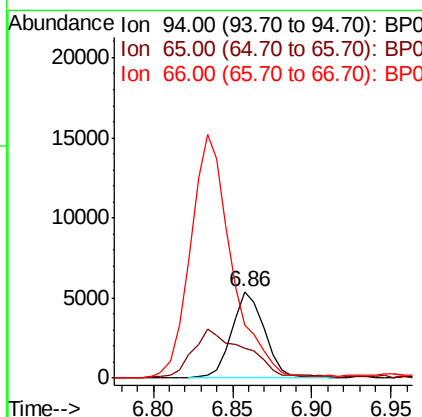
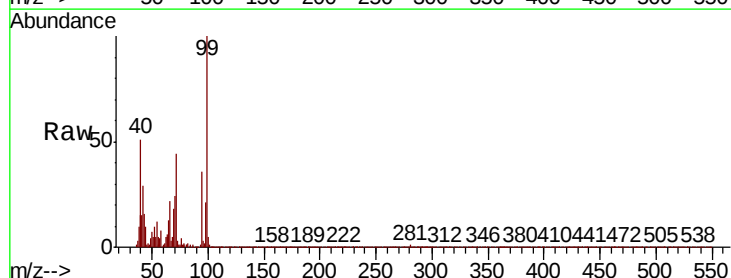
RT: 6.86 min Scan# 692

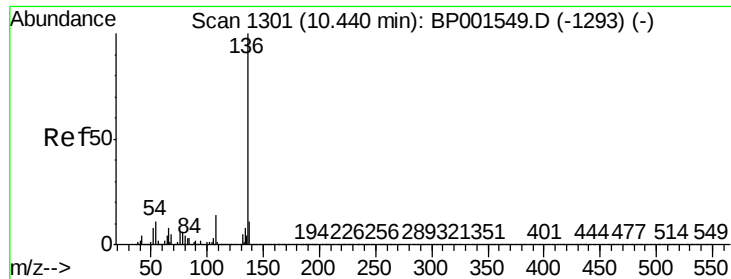
Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Tgt Ion:	94	Resp:	7782
Ion Ratio	Lower	Upper	
94	100		
65	35.2	17.5	57.5
66	61.5	36.7	76.7





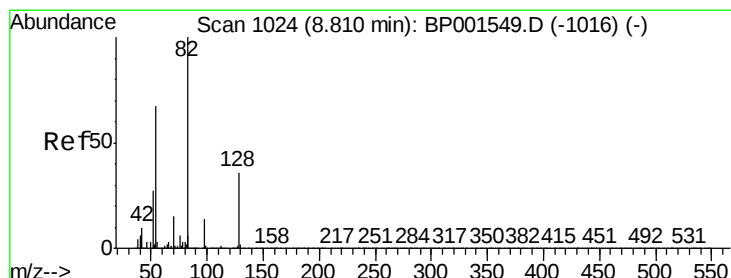
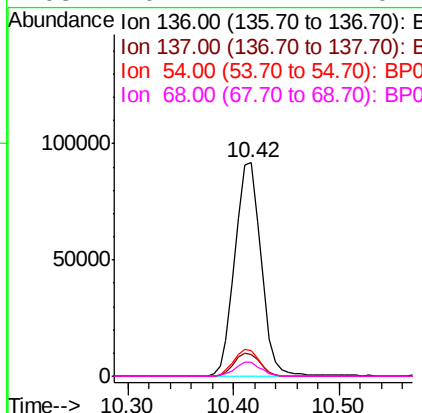
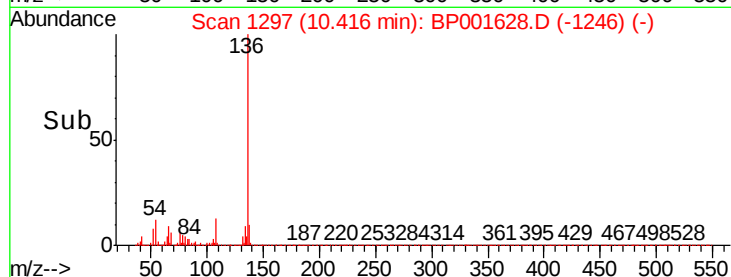
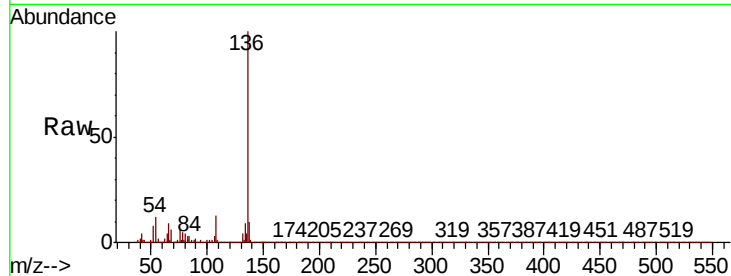
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.42 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ion	Ratio	Resp Lower	Upper
136	100			
137	10.3	8.6	12.8	
54	11.8	9.2	13.8	
68	6.4	4.1	6.1#	

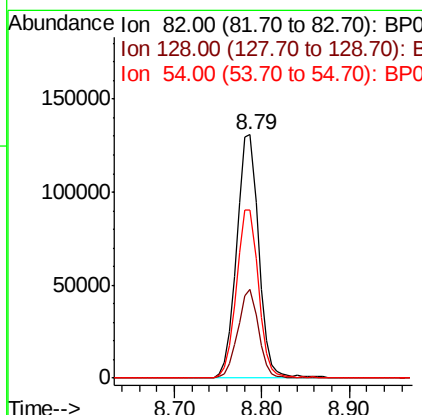
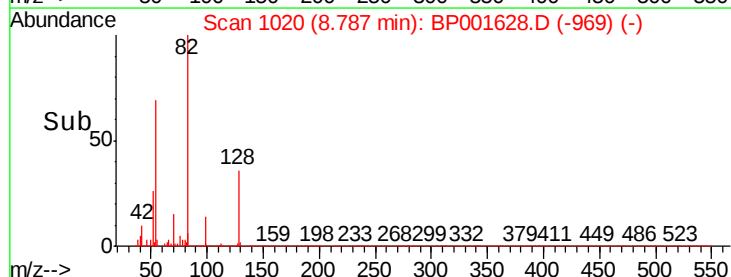
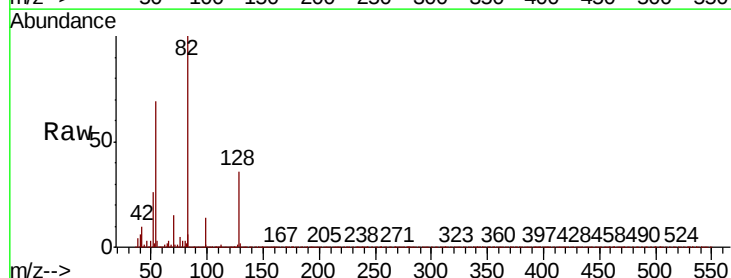
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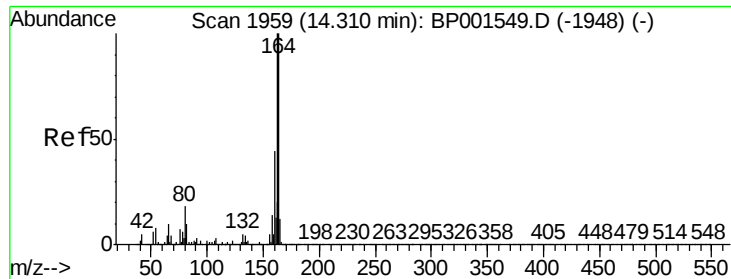
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#23
Nitrobenzene-d5
Concen: 61.179 ng
RT: 8.79 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ion	Ratio	Resp Lower	Upper
82	100			
128	36.3	28.4	42.6	
54	68.8	53.4	80.2	





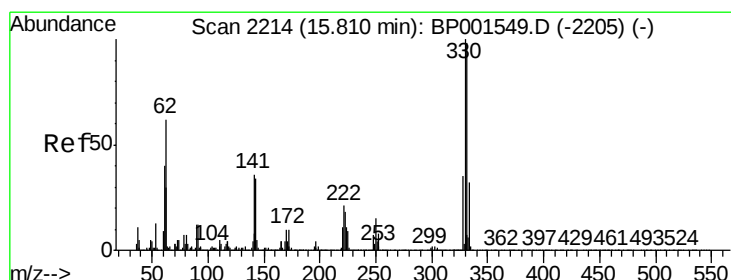
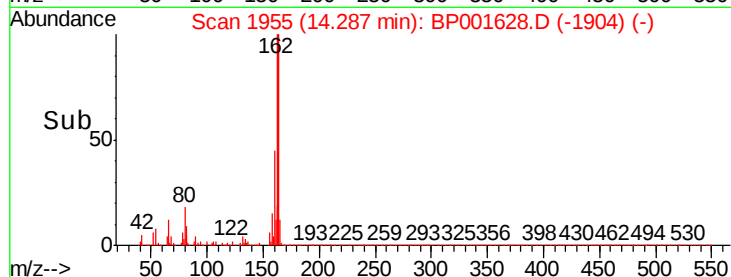
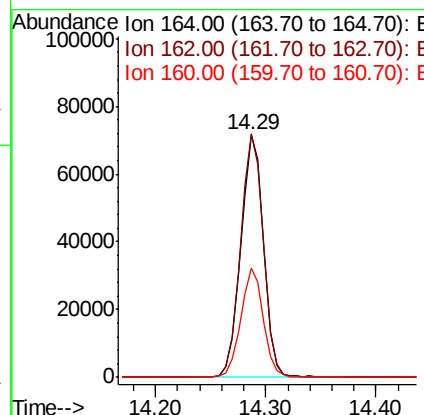
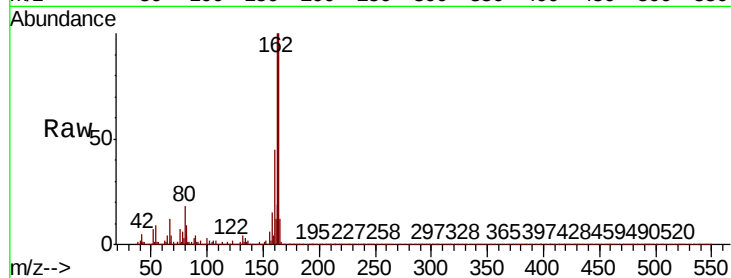
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.8	119.6
160	44.9	35.0	52.6

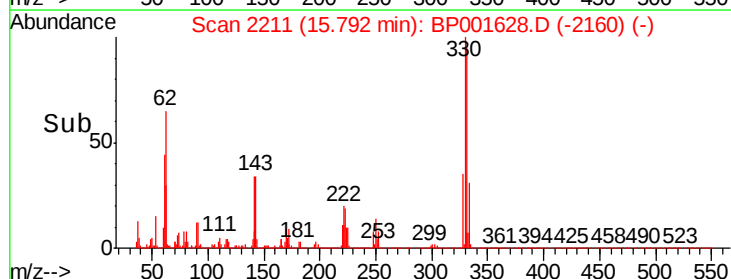
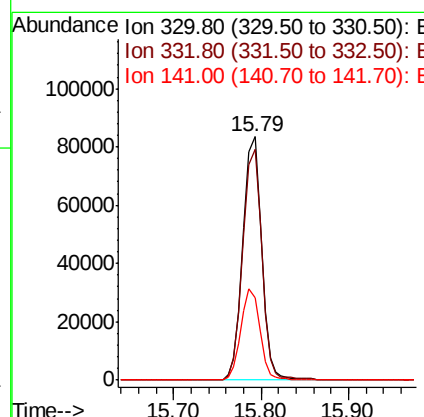
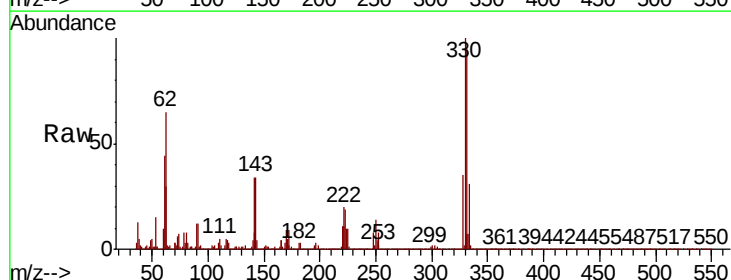
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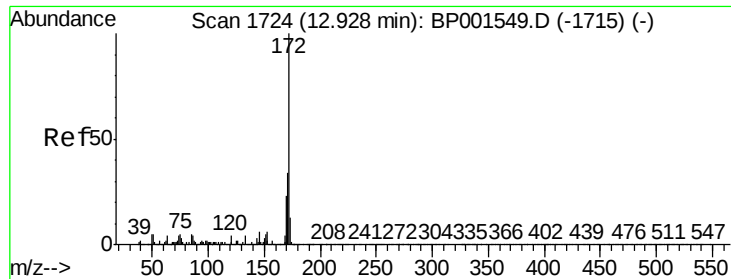
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#42
2,4,6-Tribromophenol
Concen: 76.589 ng
RT: 15.79 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.8	116.6
141	37.6	28.7	43.1





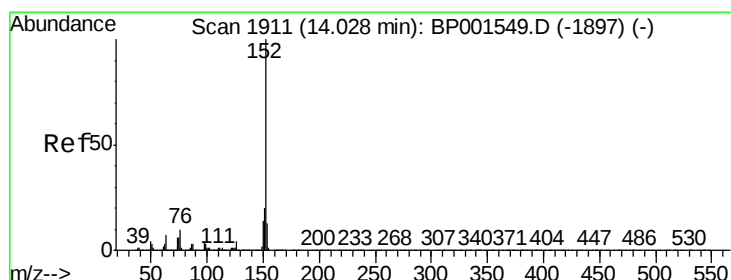
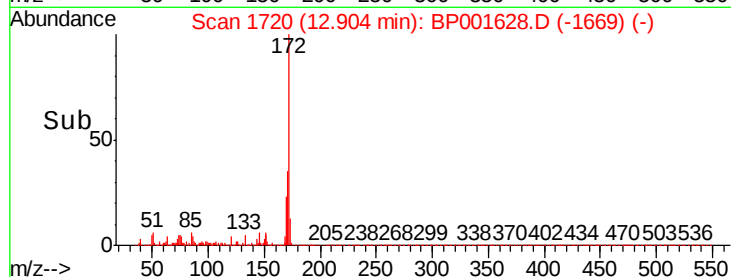
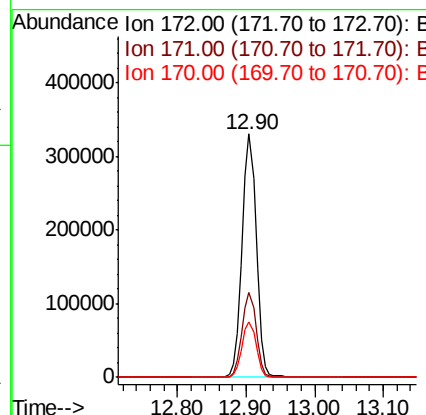
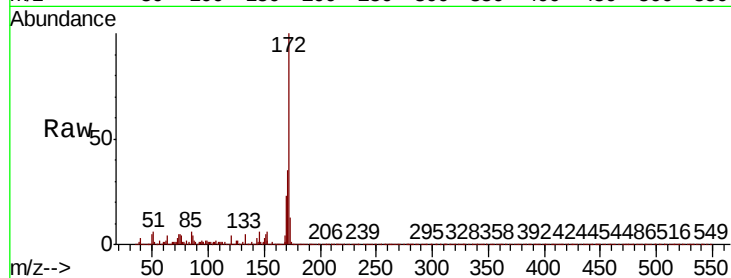
#45
2-Fluorobiphenyl
Concen: 67.449 ng
RT: 12.90 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.6	41.4
170	22.9	18.3	27.5

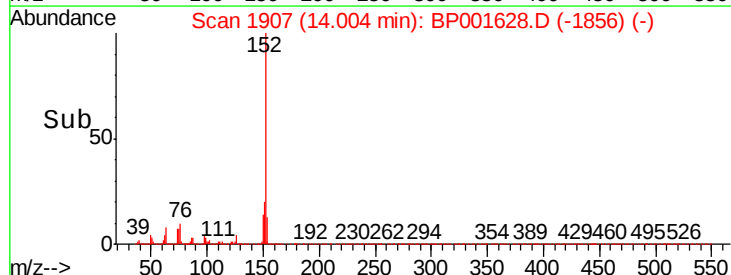
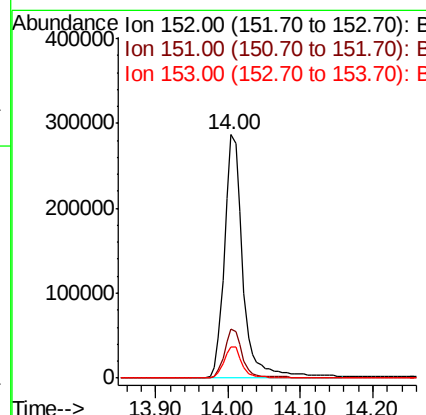
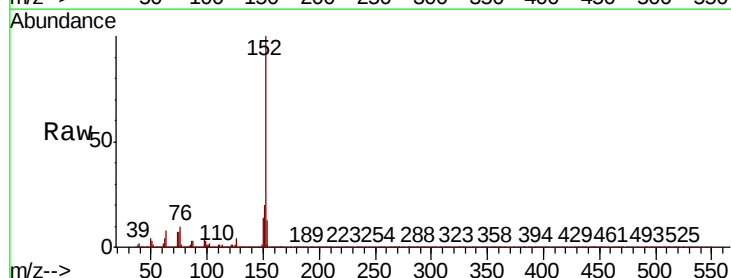
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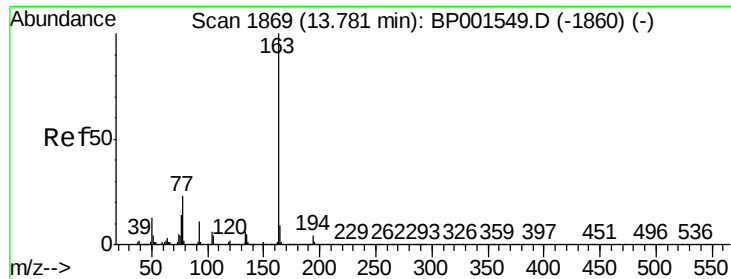
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#49
Acenaphthylene
Concen: 54.236 ng
RT: 14.00 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.6	10.4	15.6





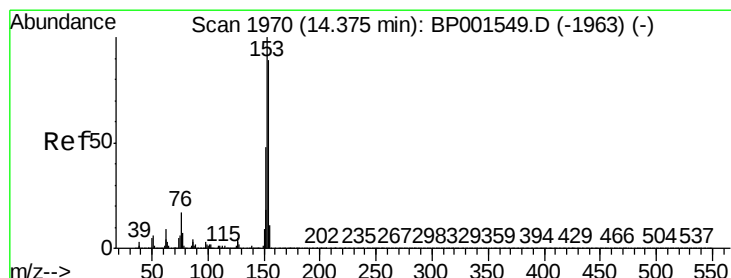
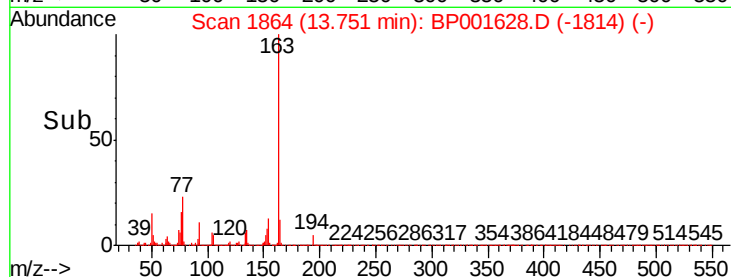
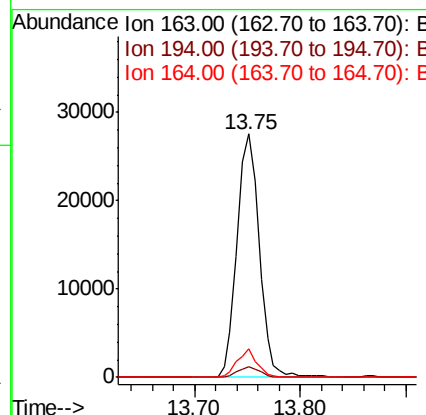
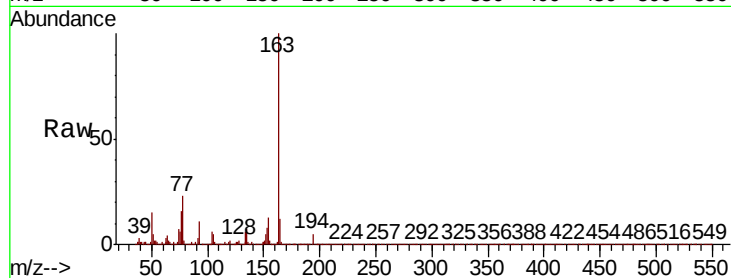
#50
Dimethylphthalate
Concen: 4.715 ng
RT: 13.75 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.6	5.4
164	12.0	7.5	11.3#

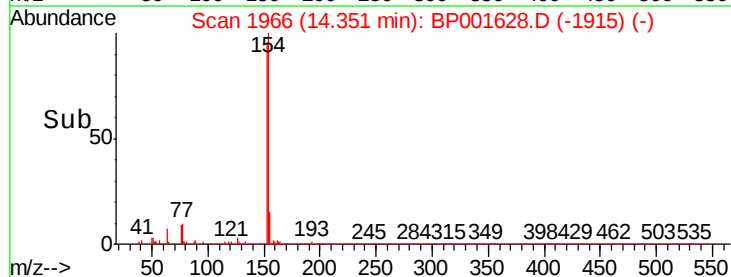
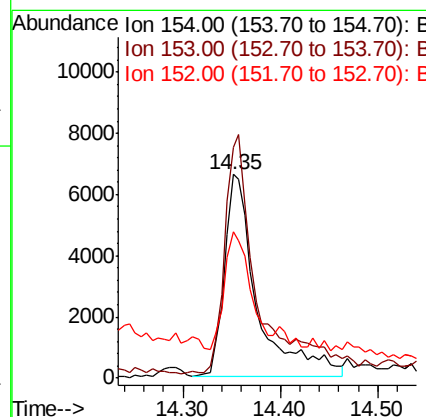
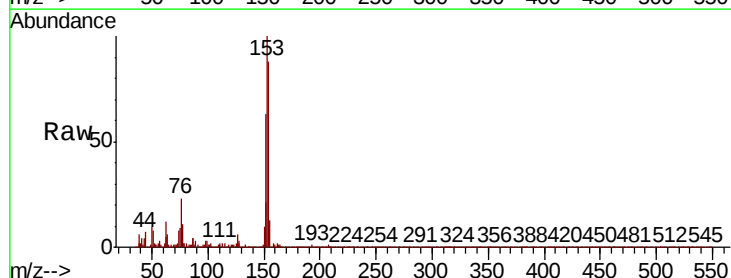
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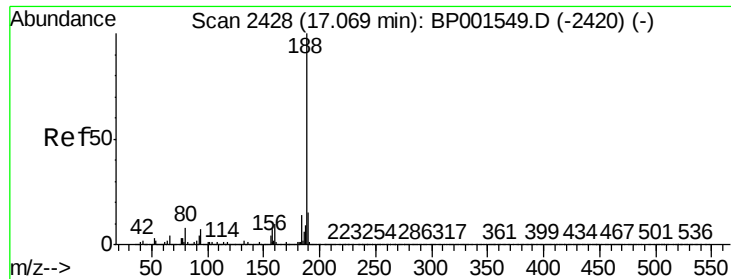
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#52
Acenaphthene
Concen: 2.642 ng
RT: 14.35 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.4	134.2
152	71.5	42.6	64.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Instrument :

BNA_P

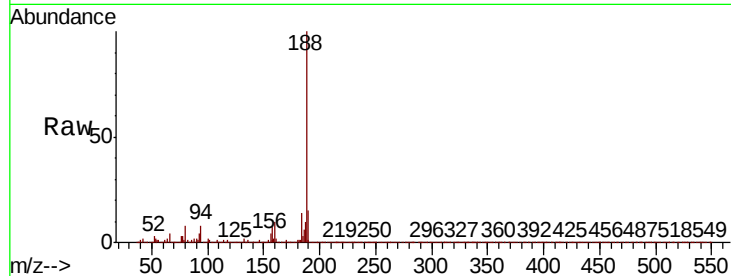
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	188	Resp:	220142
Ion Ratio	Lower	Upper	
188	100		
94	7.5	5.9	8.9
80	8.2	6.8	10.2

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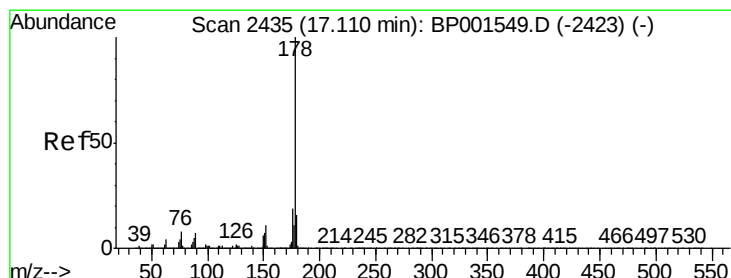
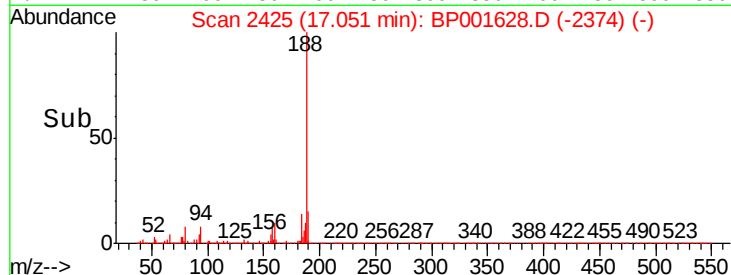
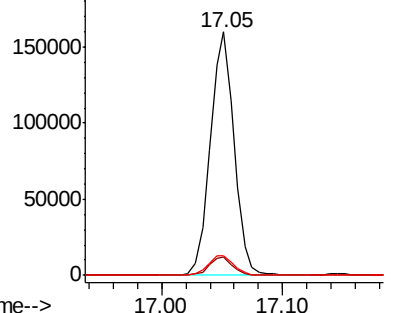
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 36.656 ng

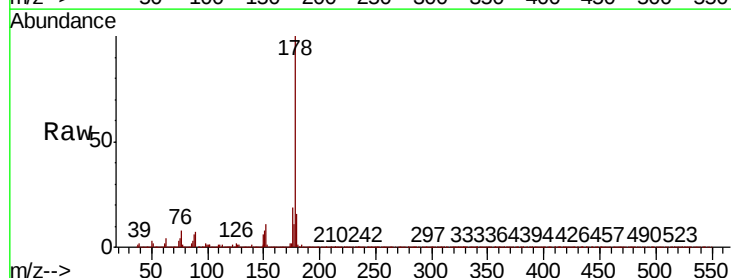
RT: 17.09 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

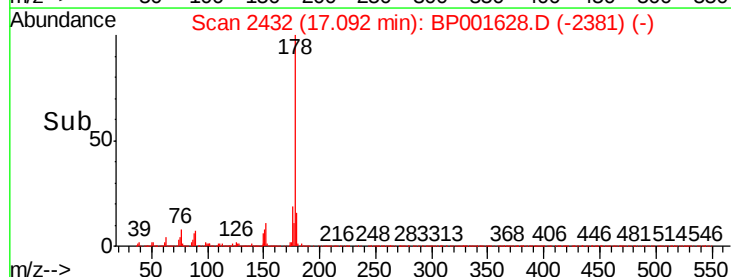
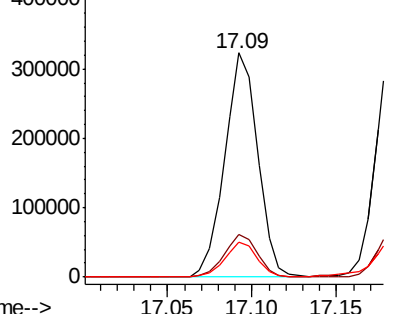
Tgt Ion:	178	Resp:	438847
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.9	22.3
179	15.7	12.5	18.7

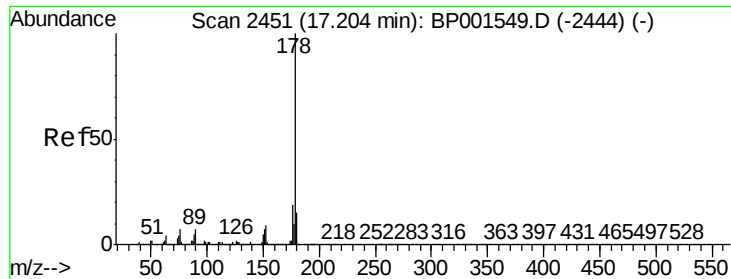


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 47.973 ng

RT: 17.19 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Instrument :

BNA_P

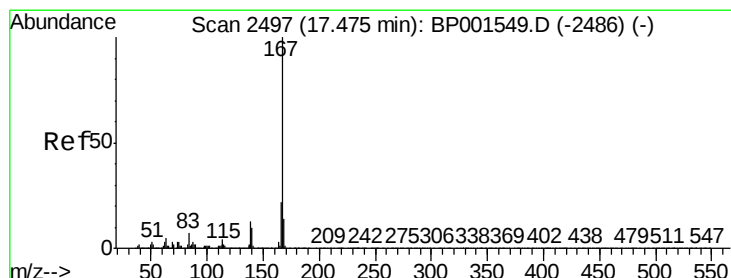
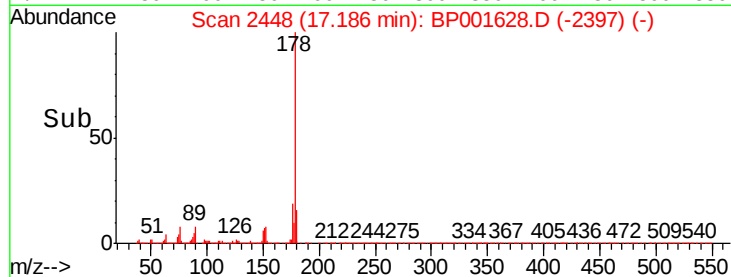
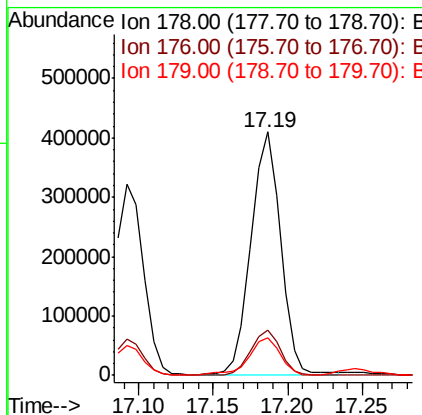
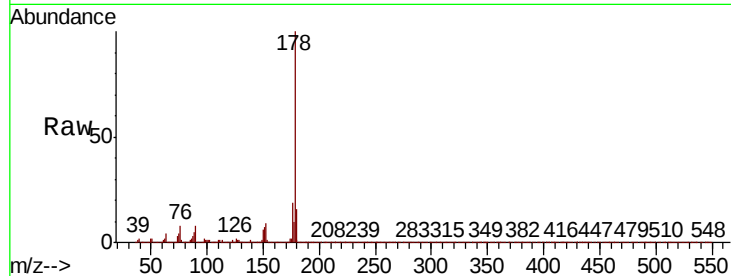
ClientSampleId :

INWOOD-BH-03-B

Tot Ion:	178	Resp:	559115
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	15.6	11.8	17.8

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#73

Carbazole

Concen: 2.378 ng

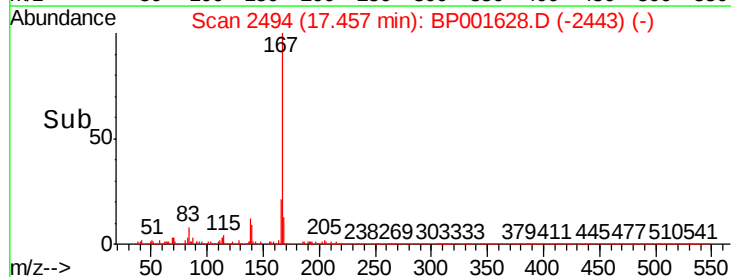
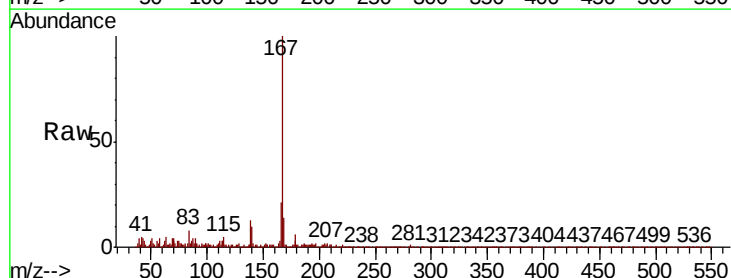
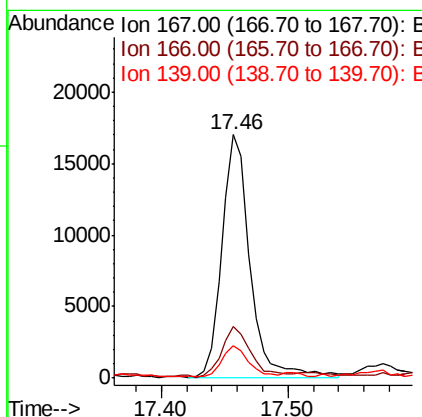
RT: 17.46 min Scan# 2494

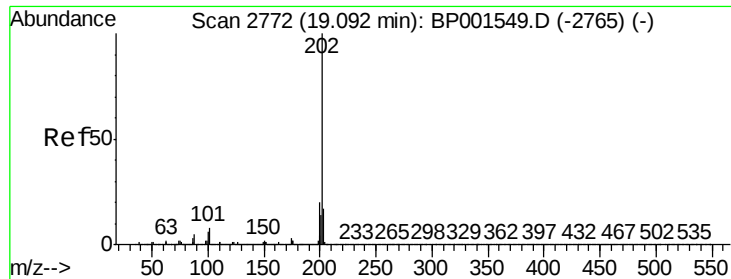
Delta R.T. 0.00 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Tgt Ion:	167	Resp:	26018
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.2	25.8
139	13.3	10.0	15.0





#75

Fluoranthene

Concen: 233.344 ng

RT: 19.09 min Scan# 2772

Delta R.T. 0.02 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Instrument :

BNA_P

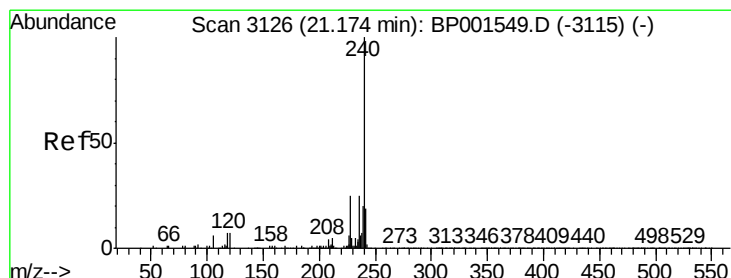
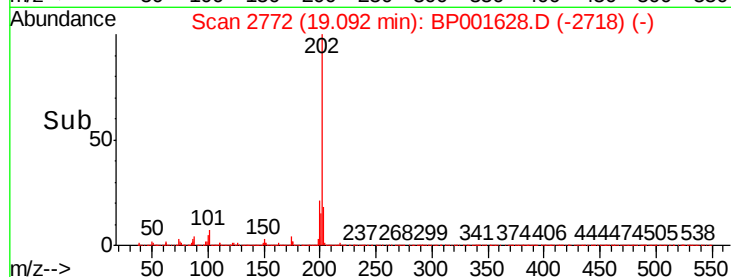
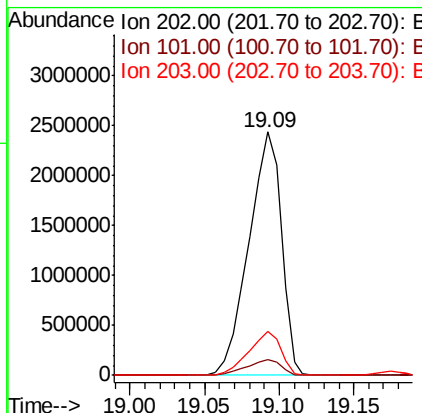
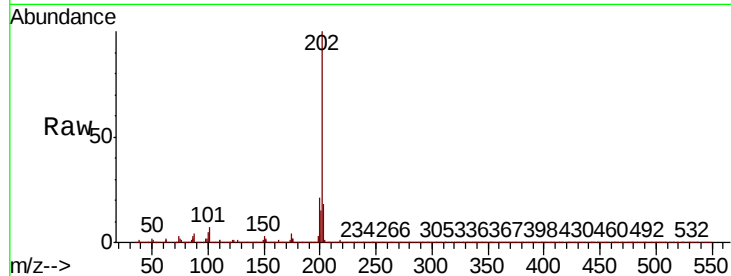
ClientSampleId :

INWOOD-BH-03-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	6.6	0.0	28.4		
203	17.8	0.0	37.4		

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#76

Chrysene-d12

Concen: 20.000 ng

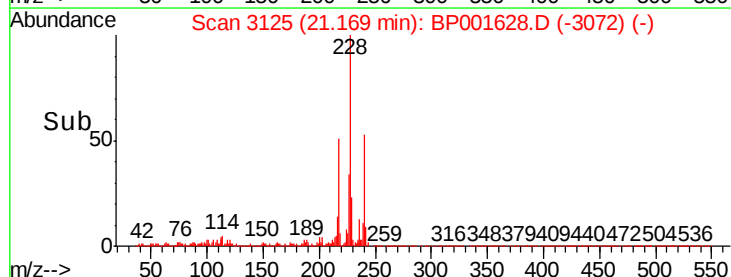
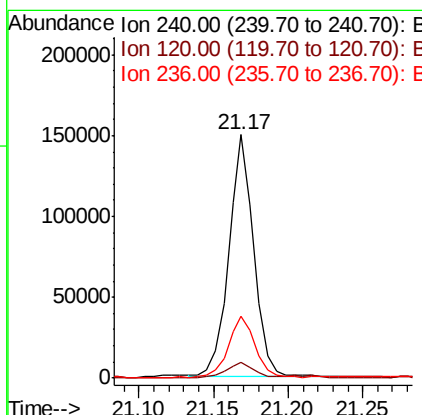
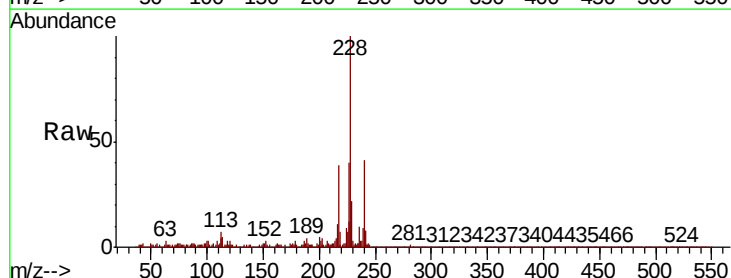
RT: 21.17 min Scan# 3125

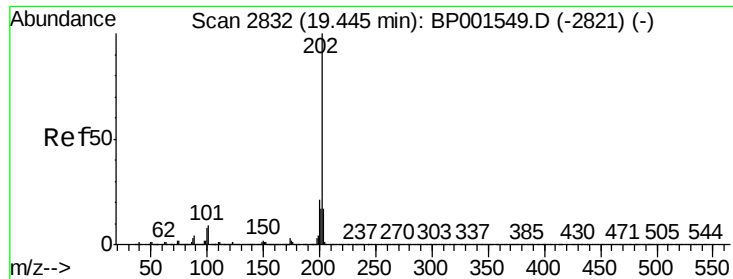
Delta R.T. 0.01 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	7.9	5.7	8.5		
236	25.4	20.4	30.6		





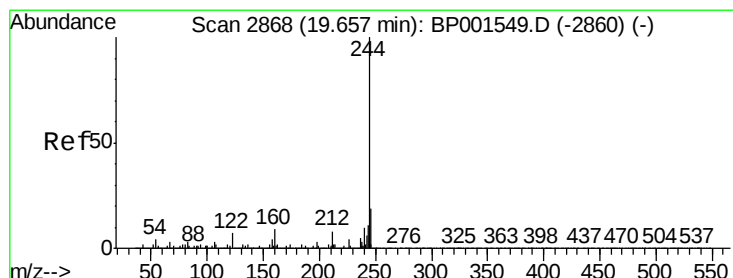
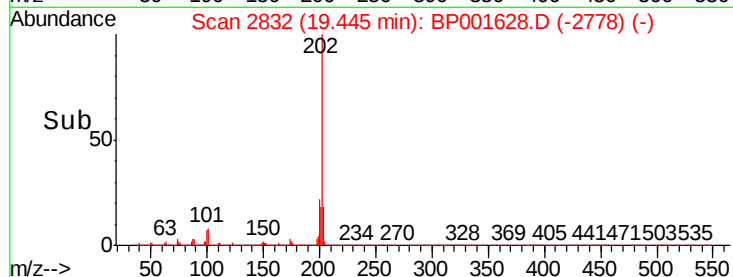
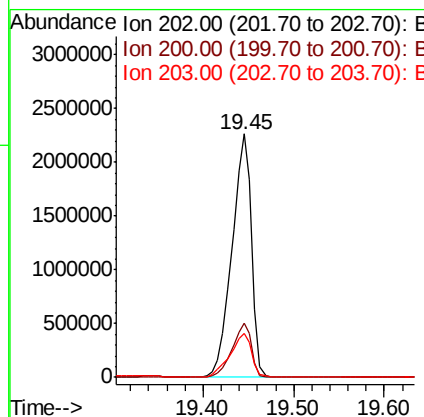
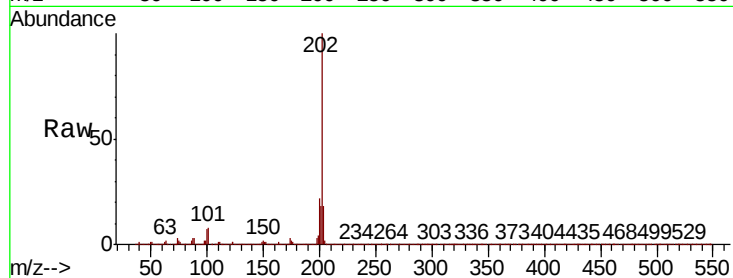
#78
Pvrene
Concen: 263.166 ng
RT: 19.45 min Scan# 2832
Delta R.T. 0.02 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.6
203	18.2	13.7	20.5

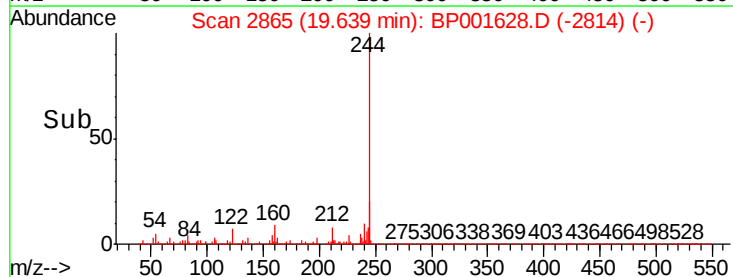
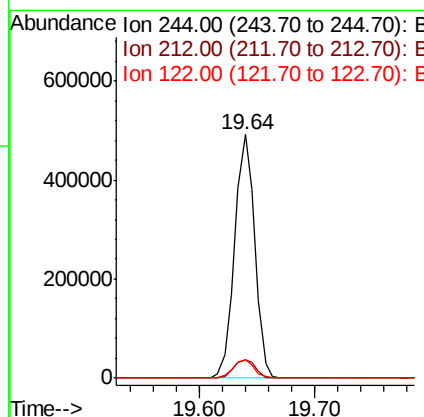
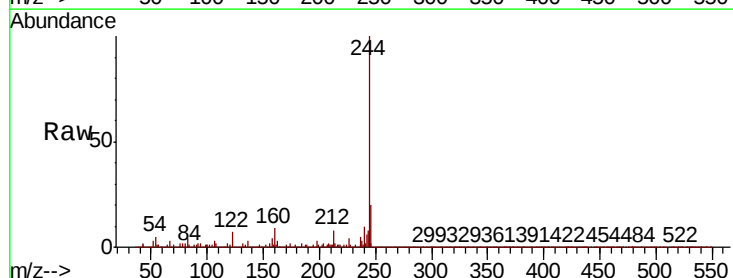
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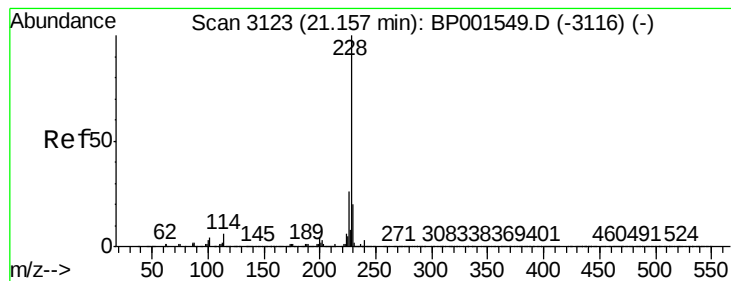
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#79
Terphenyl-d14
Concen: 61.632 ng
RT: 19.64 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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





#81

Benzo(a)anthracene

Concen: 180.519 ng m

RT: 21.16 min Scan# 3123

Delta R.T. 0.02 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

Tot Ion:228 Resp: 2209300

Ion Ratio Lower Upper

228 100

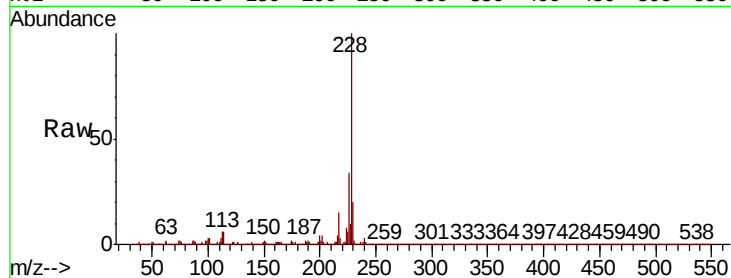
226 33.7 21.2 31.8#

229 20.0 16.1 24.1

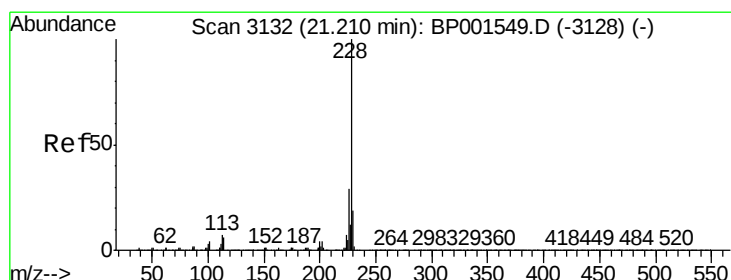
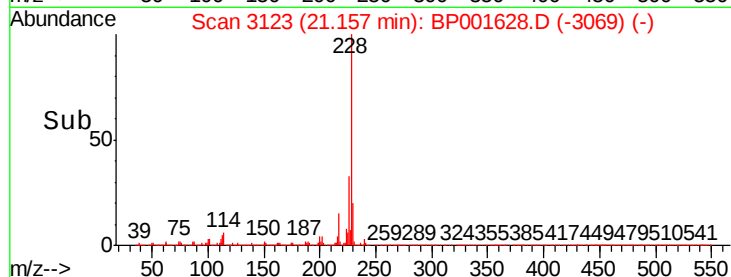
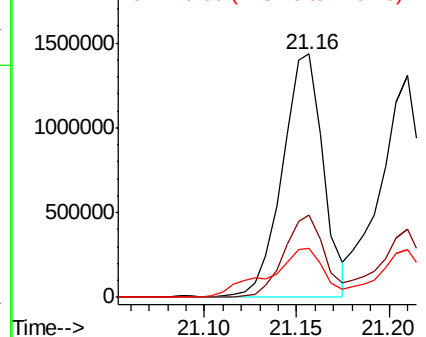
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Abundance Ion 228.00 (227.70 to 228.70): E
2000000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 162.860 ng

RT: 21.21 min Scan# 3132

Delta R.T. 0.02 min

Lab File: BP001628.D

Acq: 16 Jan 2020 01:50

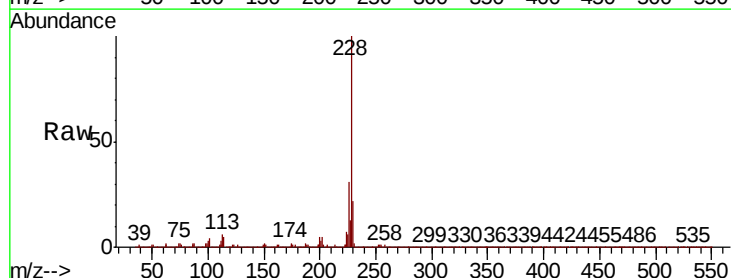
Tgt Ion:228 Resp: 1942451

Ion Ratio Lower Upper

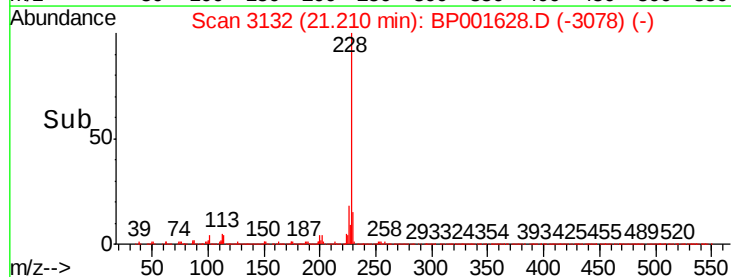
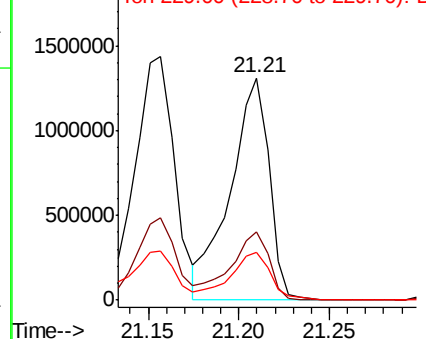
228 100

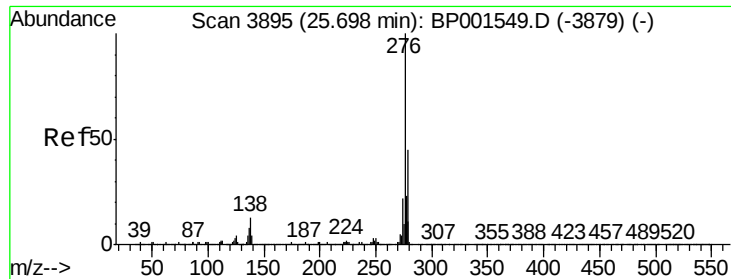
226 30.6 23.2 34.8

229 21.8 15.2 22.8



Abundance Ion 228.00 (227.70 to 228.70): E
2000000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





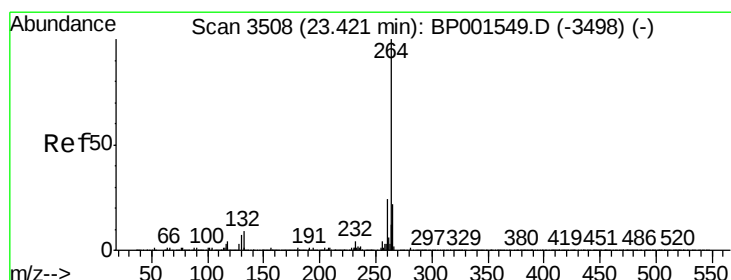
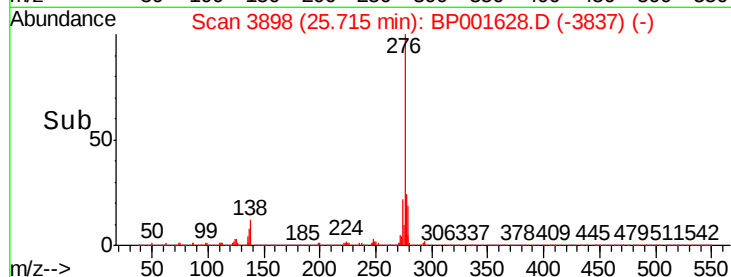
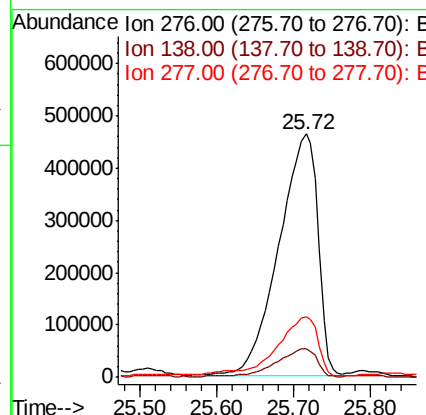
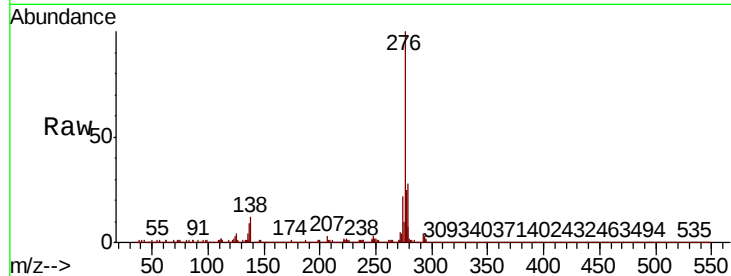
#86
Indeno(1,2,3-cd)pyrene
Concen: 115.746 ng
RT: 25.72 min Scan# 3898
Delta R.T. 0.06 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	11.1	16.7
277	26.4	20.4	30.6

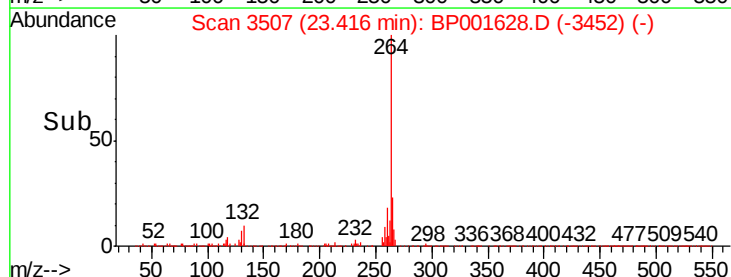
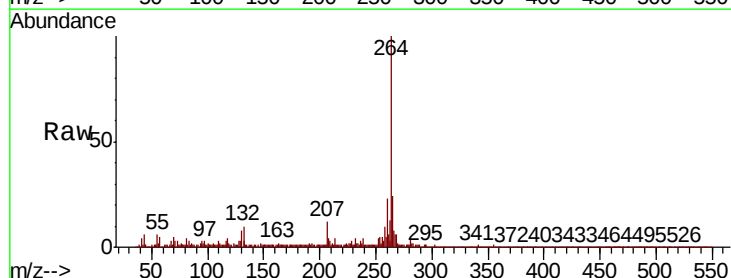
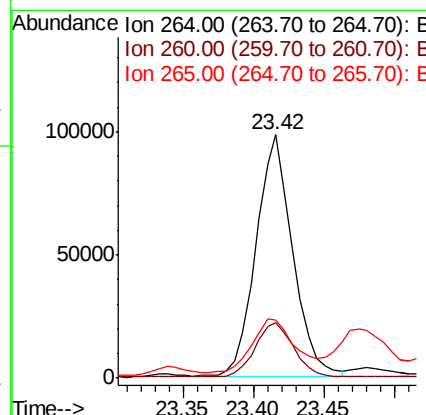
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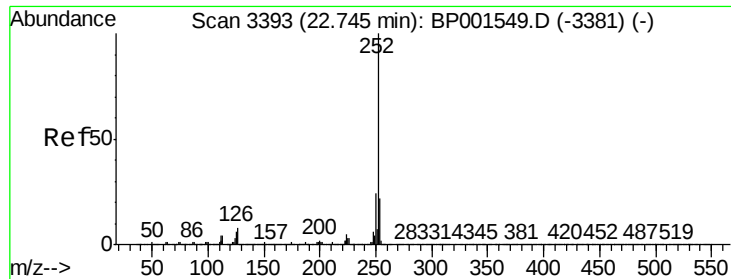
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	23.6	18.2	27.4





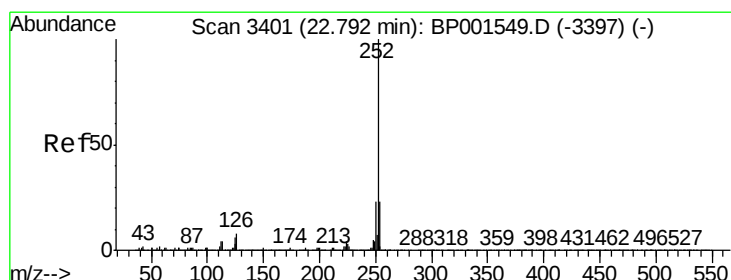
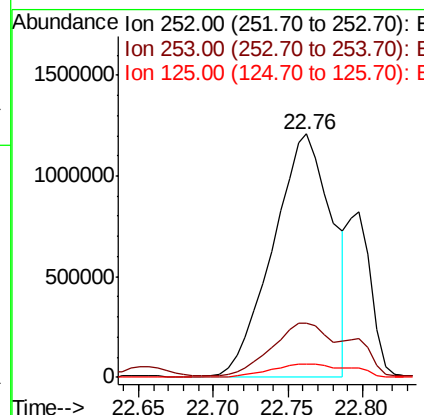
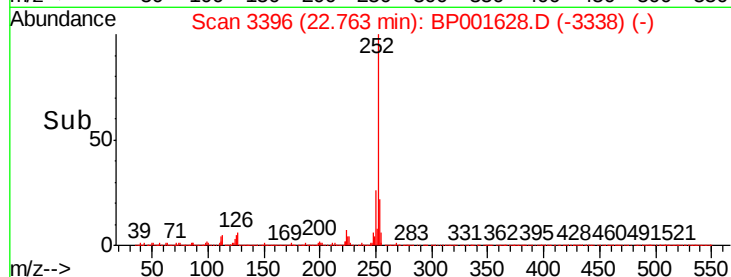
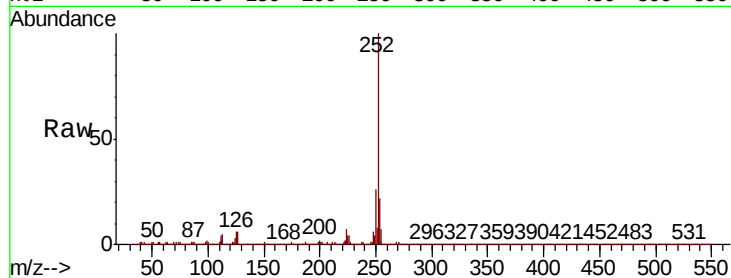
#88
Benzo(b)fluoranthene
Concen: 298.492 ng
RT: 22.76 min Scan# 3396
Delta R.T. 0.04 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	5.5	4.6	7.0

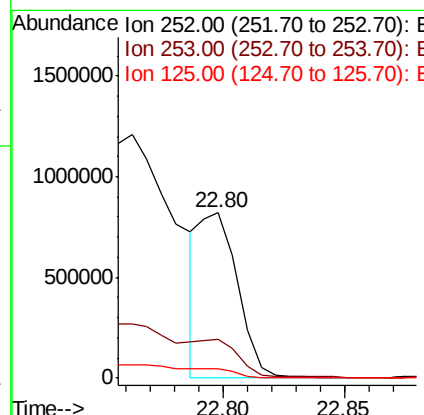
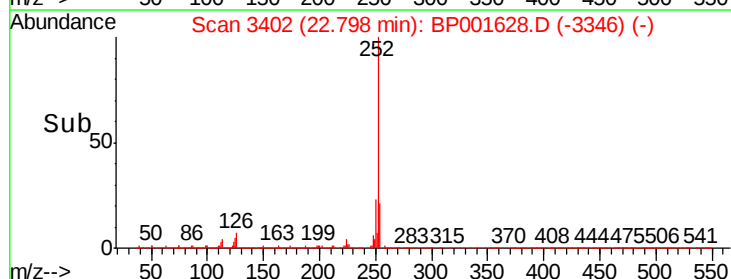
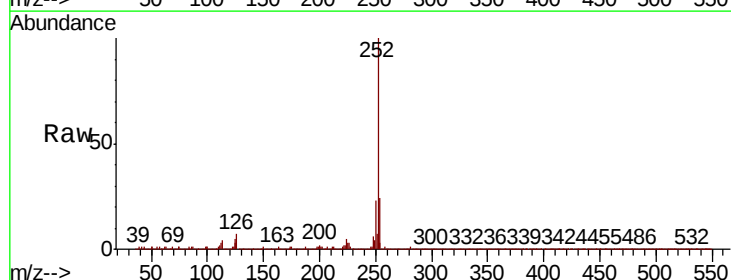
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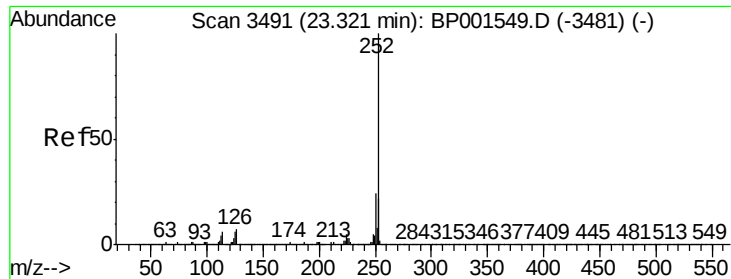
mohammad
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#89
Benzo(k)fluoranthene
Concen: 81.776 ng m
RT: 22.80 min Scan# 3402
Delta R.T. 0.03 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	5.5	4.6	6.8





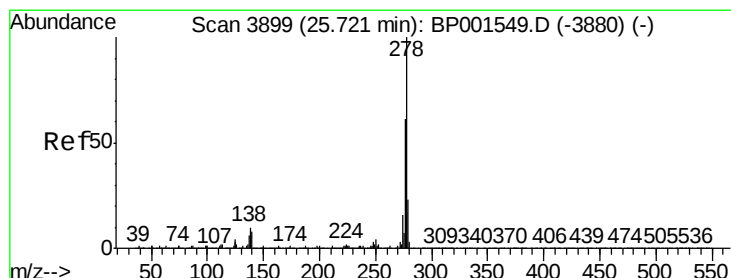
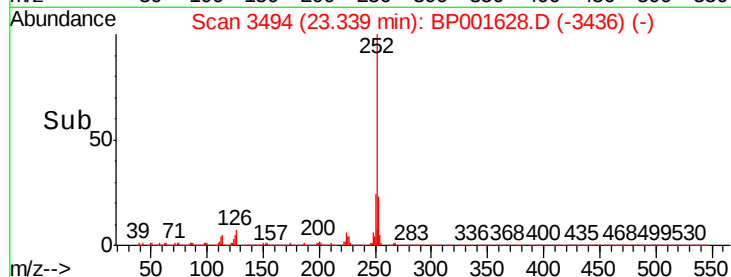
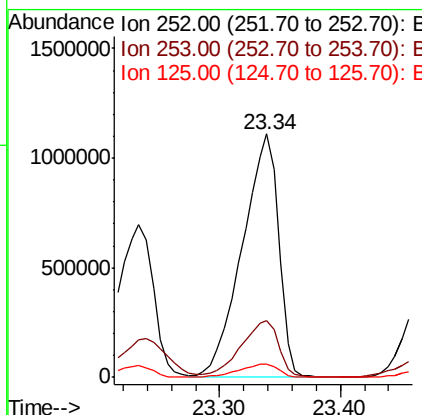
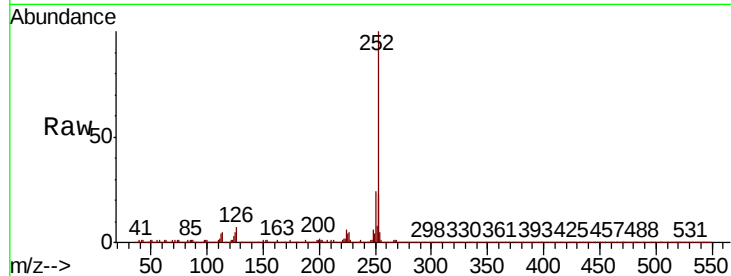
#90
Benzo(a)pyrene
Concen: 218.846 ng
RT: 23.34 min Scan# 3494
Delta R.T. 0.04 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	5.3	5.0	7.4

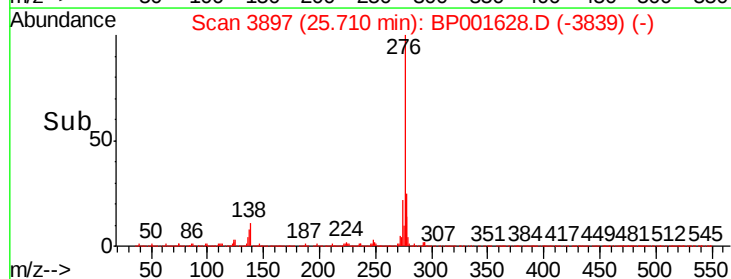
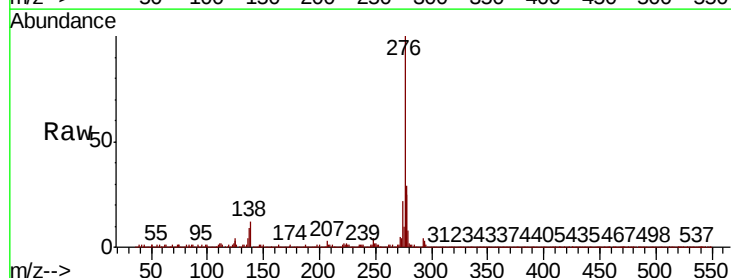
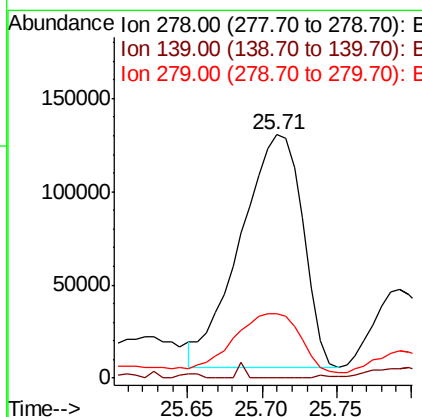
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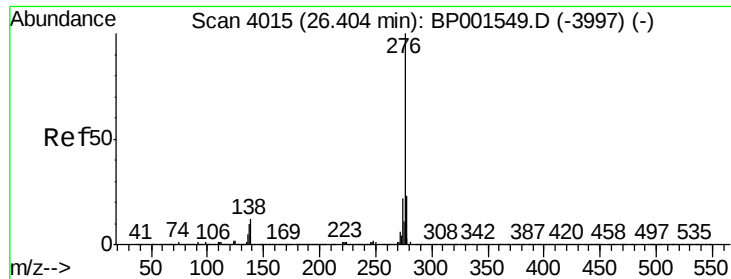
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 33.305 ng
RT: 25.71 min Scan# 3897
Delta R.T. 0.04 min
Lab File: BP001628.D
Acq: 16 Jan 2020 01:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.7	10.1#
279	26.5	18.6	28.0





#92
 Benzo(a,h,i)perylene
 Concen: 129.683 ng
 RT: 26.42 min Scan# 4017
 Delta R.T. 0.08 min
 Lab File: BP001628.D
 Acq: 16 Jan 2020 01:50

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	12.3	9.4	14.2

Manual Integrations
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