

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
 Data File : BN010679.D
 Acq On : 30 Apr 2020 18:03
 Operator : CG/JU
 Sample : L2423-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 WB-10-1

Manual Integrations
 APPROVED

mohammad
 5/4/2020 8:18:26 AM

Quant Time: May 04 07:02:17 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Apr 30 11:18:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3596	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	15678	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	10494	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	23400	0.40	ng	0.00
27) Chrysene-d12	21.17	240	20276	0.40	ng	0.00
34) Perylene-d12	23.33	264	18618	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	1047	0.13	ng	0.00
5) Phenol-d6	6.78	99	913	0.09	ng	0.00
8) Nitrobenzene-d5	8.72	82	3654	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7866	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.70	330	1737	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.82	172	13036	0.34	ng	0.00
25) Fluoranthene-d10	18.99	212	23113	0.33	ng	0.00
29) Terphenyl-d14	19.60	244	22902	0.49	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.38	128	51294	1.317	ng	100
12) 2-Methylnaphthalene	12.00	142	11362	0.406	ng	99
16) Acenaphthylene	13.92	152	3920	0.086	ng	# 68
17) Acenaphthene	14.26	154	33899	1.164	ng	96
18) Fluorene	15.26	166	23740	0.622	ng	97
22) Pentachlorophenol	16.61	266	144	0.025	ng	# 85
23) Phenanthrene	16.99	178	62751	0.993	ng	100
24) Anthracene	17.09	178	7978	0.138	ng	# 83
26) Fluoranthene	19.02	202	16526	0.210	ng	99
28) Pyrene	19.38	202	16901	0.248	ng	# 94
31) Chrysene	21.20	228	3216	0.049	ng	# 79
32) Bis(2-ethylhexyl)phthalate	21.10	149	15854	0.467	ng	99
33) Indeno(1,2,3-cd)pyrene	25.46	276	1689	0.029	ng	# 92
36) Benzo(k)fluoranthene	22.72	252	3125m	0.051	ng	
39) Benzo(a,h,i)perylene	26.11	276	1749	0.035	ng	# 60

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

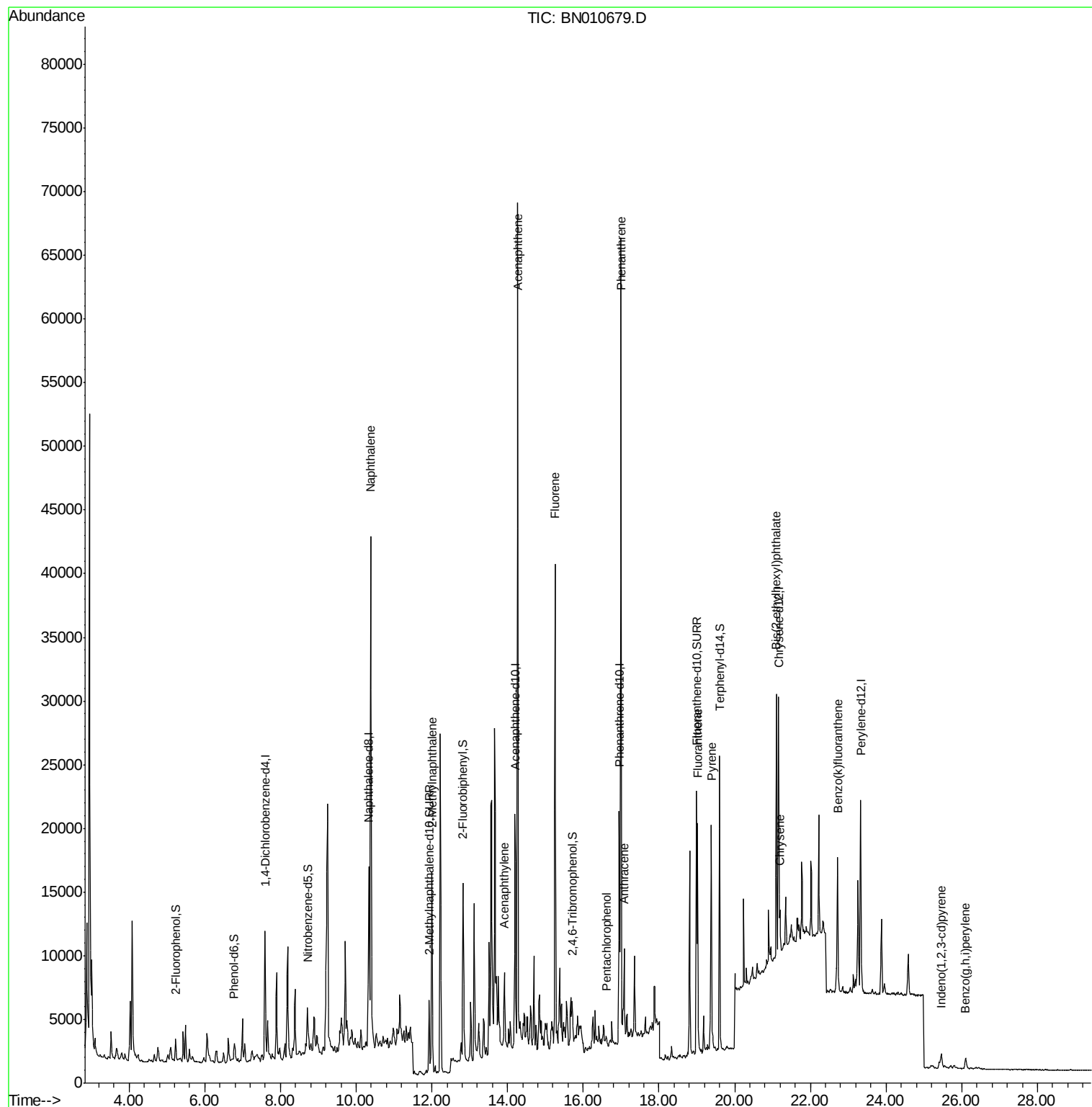
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.58 min Scan# 590

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

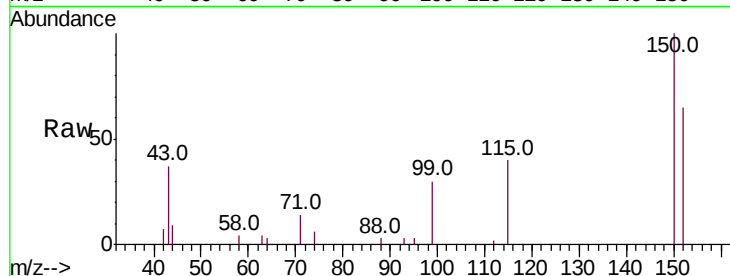
ClientSampleId :

WB-10-1

Tot Ion:	152	Resp:	3596
Ion	Ratio	Lower	Upper
152	100		
150	154.1	121.8	182.6
115	61.4	45.5	68.3

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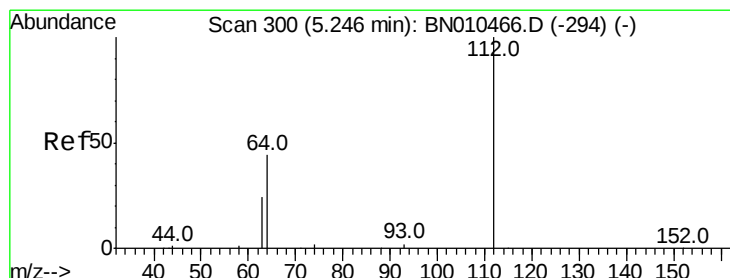
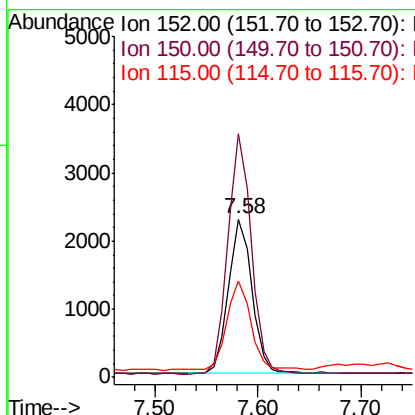
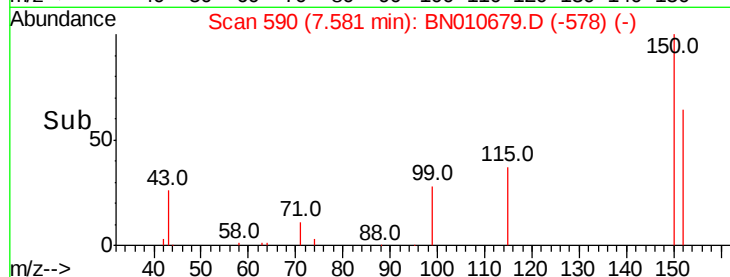


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.133 ng

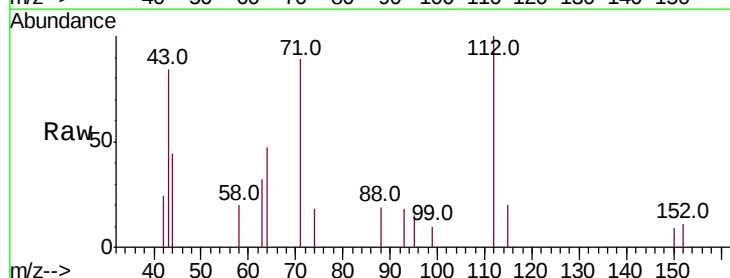
RT: 5.23 min Scan# 298

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Tgt Ion:	112	Resp:	1047
Ion	Ratio	Lower	Upper
112	100		
64	44.2	35.8	53.8
63	24.5	19.9	29.9

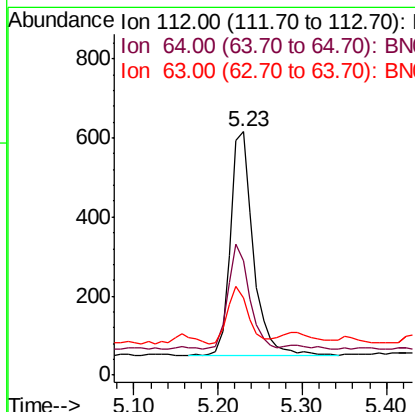
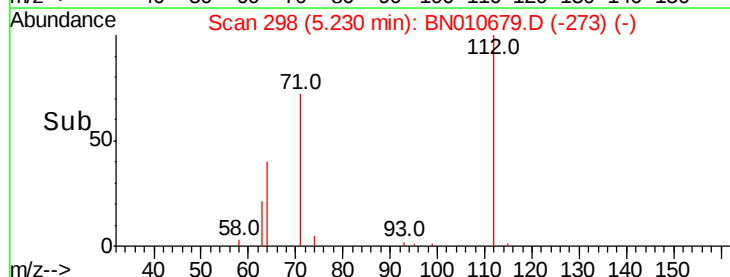


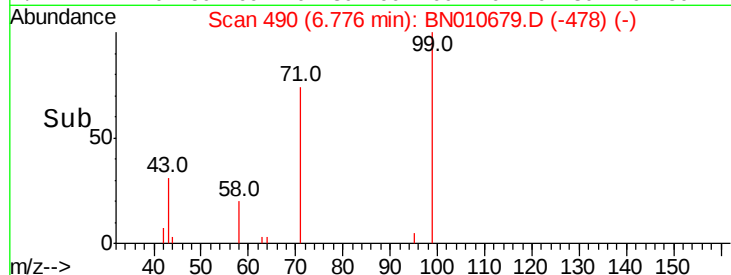
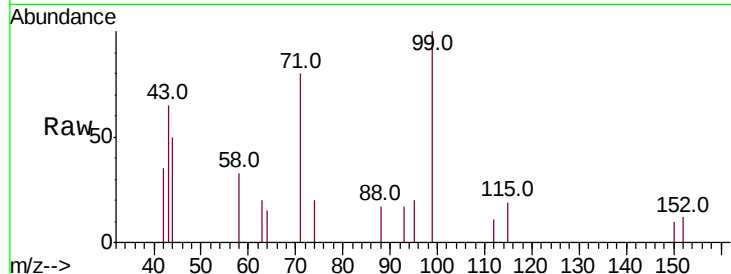
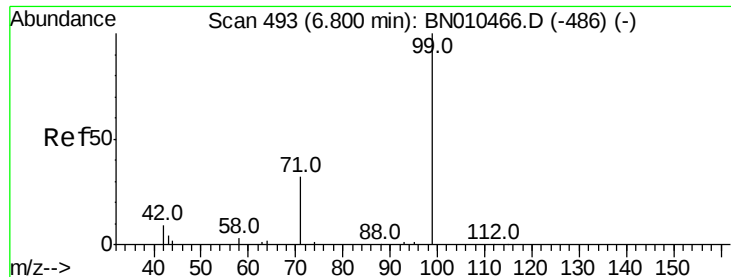
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.089 ng

RT: 6.78 min Scan# 490

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Tot Ion	99	Ratio	100	Resp:	913
				Lower	Upper
99	100				
42	22.7		9.8		14.6#
71	87.0		27.8		41.8#

Instrument :

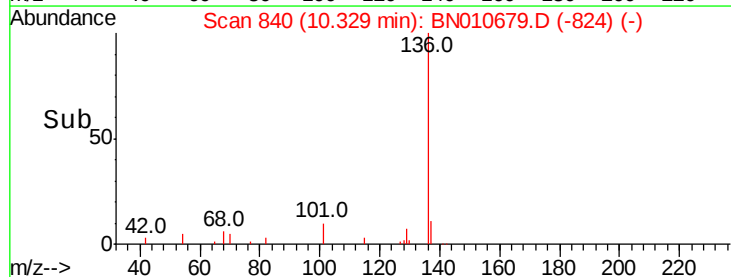
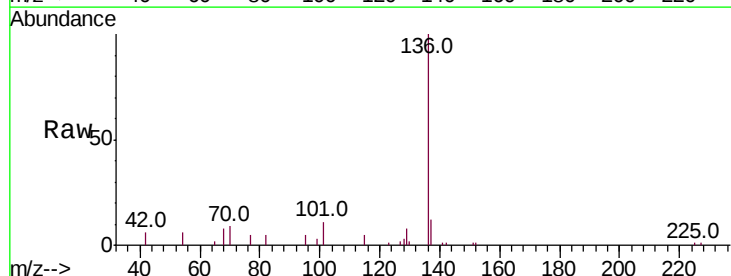
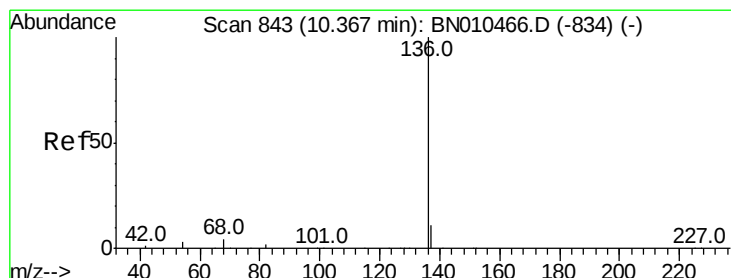
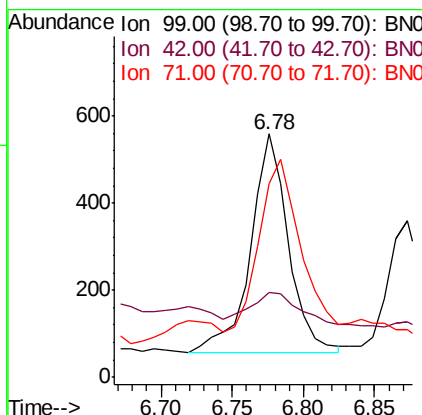
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

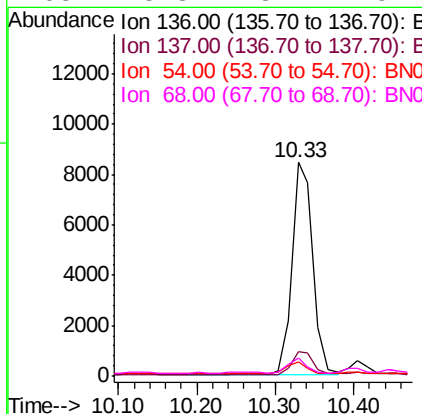
RT: 10.33 min Scan# 840

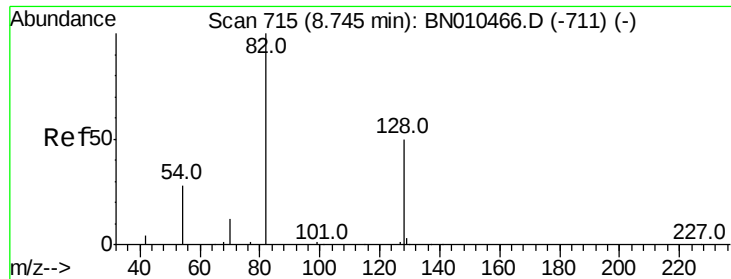
Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Tgt Ion	136	Ratio	100	Resp:	15678
				Lower	Upper
136	100				
137	11.6		8.9		13.3
54	6.5		2.6		4.0#
68	8.3		3.4		5.2#





#8

Nitrobenzene-d5

Concen: 0.333 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

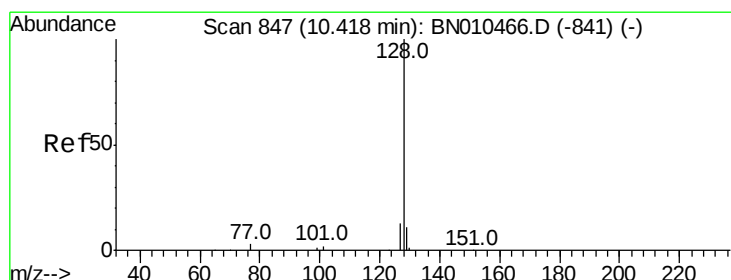
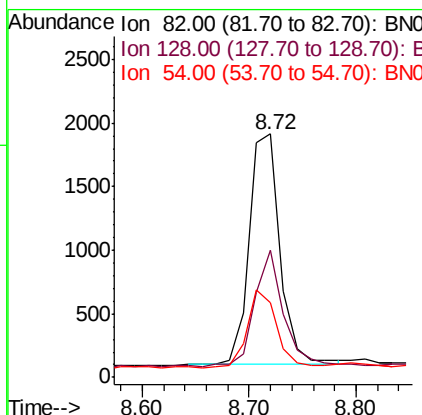
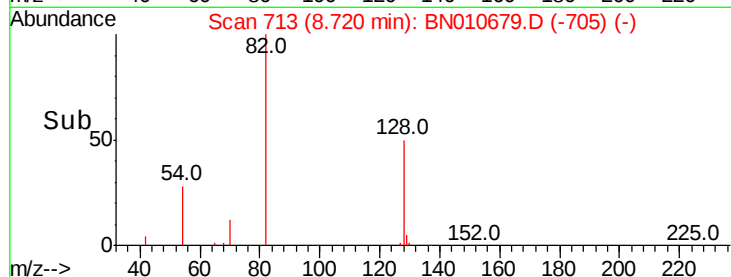
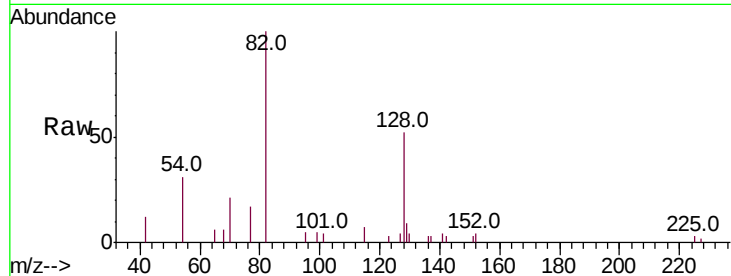
ClientSampled :

WB-10-1

Tot Ion:	82	Resp:	3654
Ion	Ratio	Lower	Upper
82	100		
128	52.3	41.3	61.9
54	30.7	23.4	35.0

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#9

Naphthalene

Concen: 1.317 ng

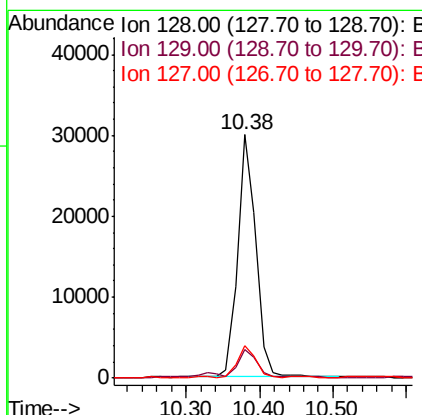
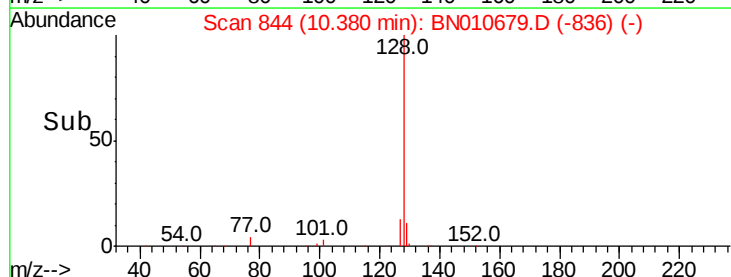
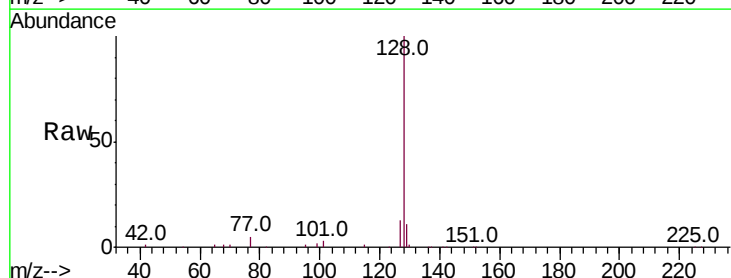
RT: 10.38 min Scan# 844

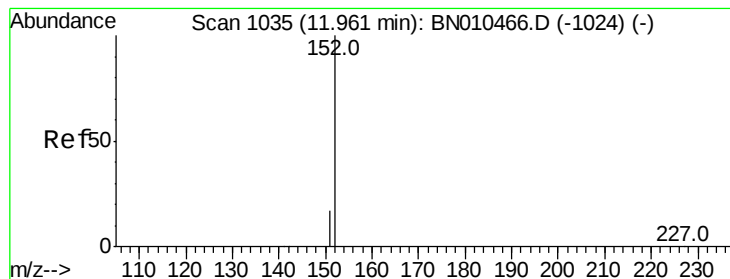
Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Tgt Ion:	128	Resp:	51294
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.3	10.5	15.7





#11

2-Methylnaphthalene-d10

Concen: 0.305 ng

RT: 11.93 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

ClientSampled :

WB-10-1

Tot Ion:152 Resp: 7866

Ion Ratio Lower Upper

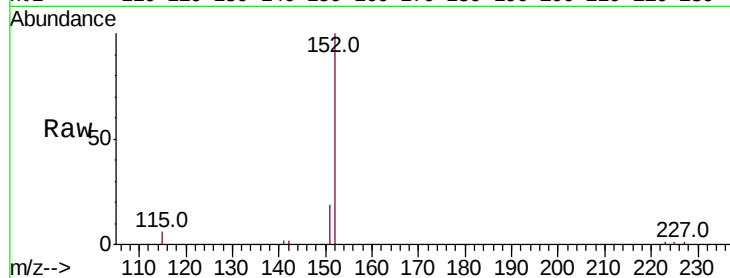
152 100

151 19.5 15.3 22.9

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.93

5000

4000

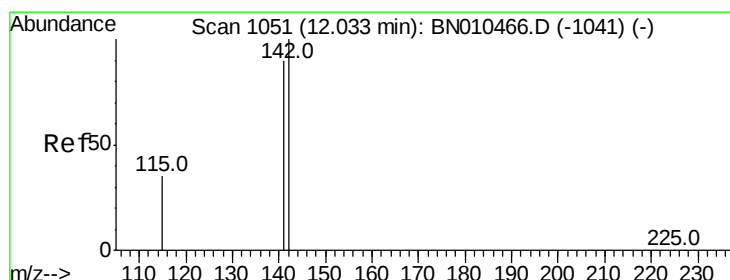
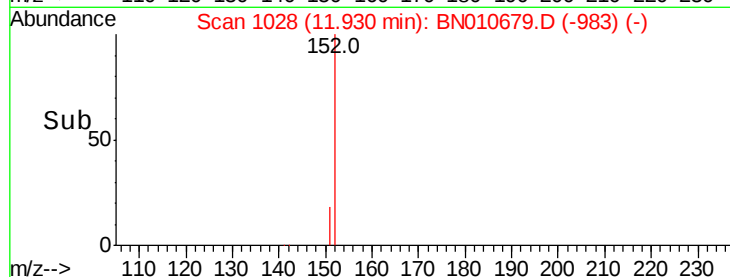
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.406 ng

RT: 12.00 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

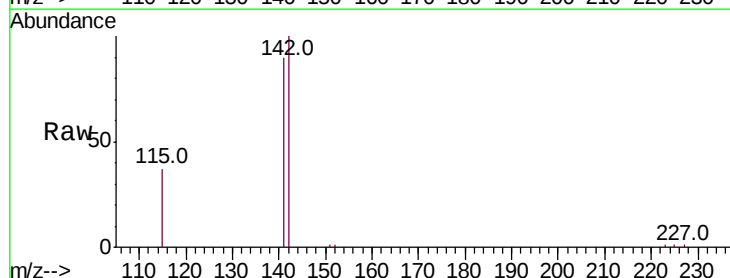
Tgt Ion:142 Resp: 11362

Ion Ratio Lower Upper

142 100

141 89.8 71.9 107.9

115 37.0 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.00

10000

8000

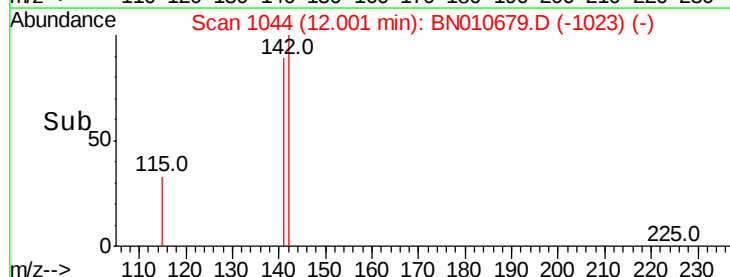
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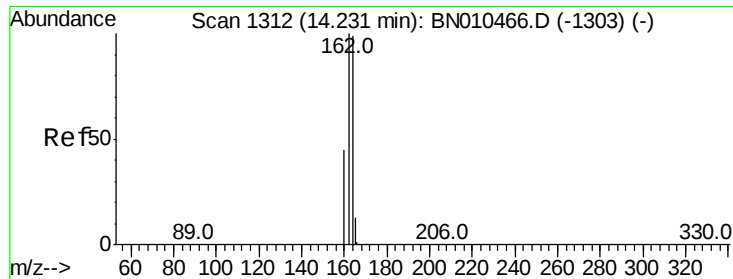
4000

2000

0

Time-->





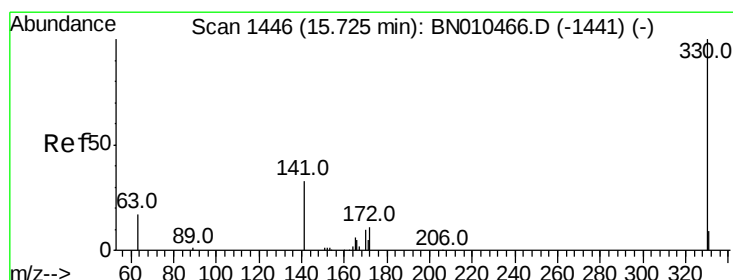
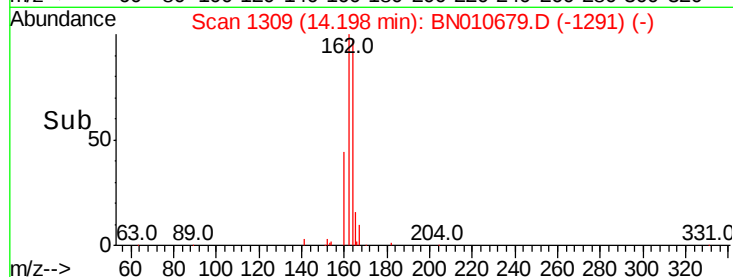
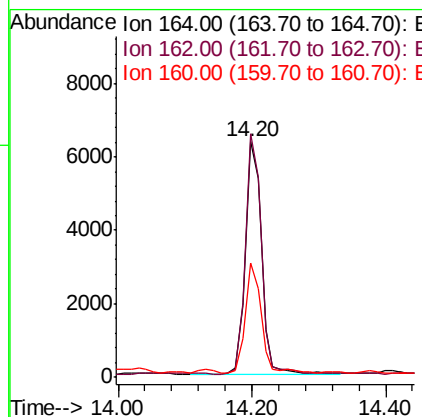
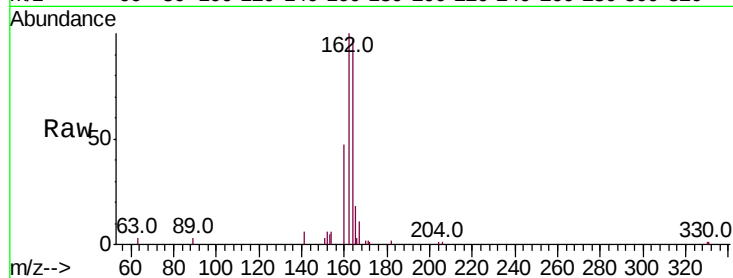
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampleId :
WB-10-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.6	121.0
160	48.5	36.5	54.7

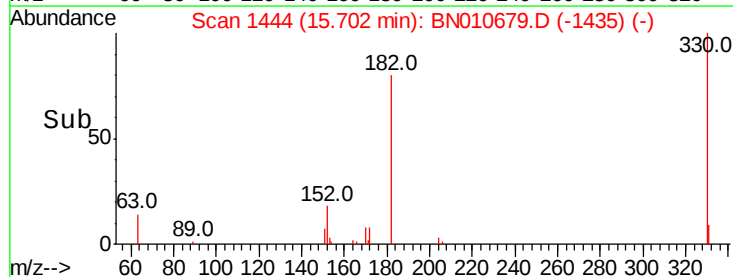
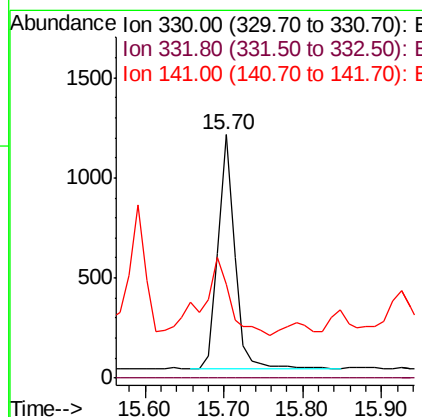
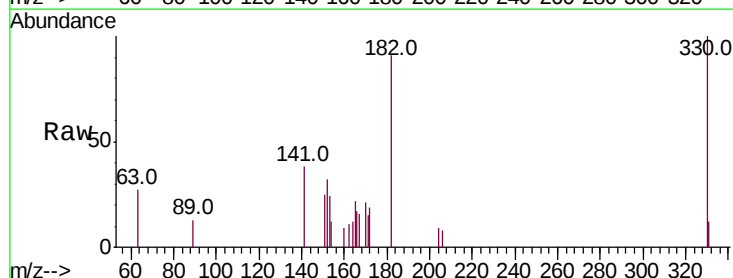
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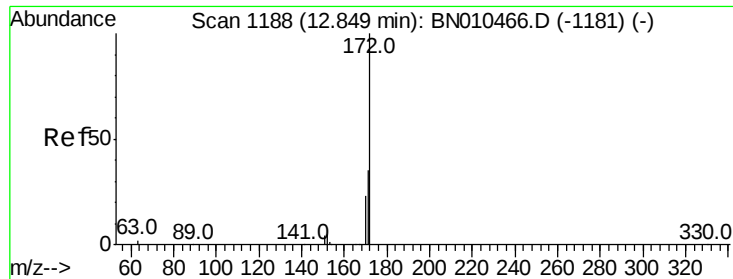
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#14
2,4,6-Tribromophenol
Concen: 0.351 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	54.2	28.1	42.1#





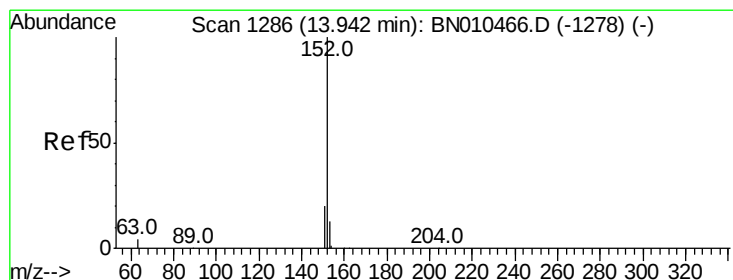
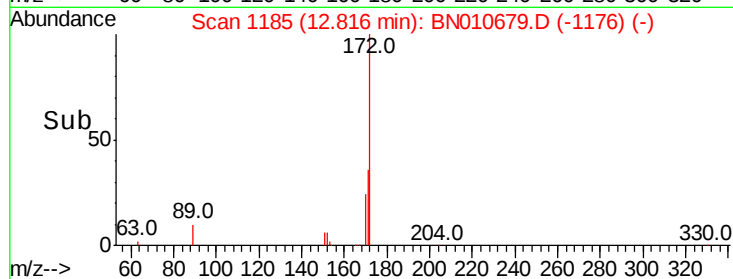
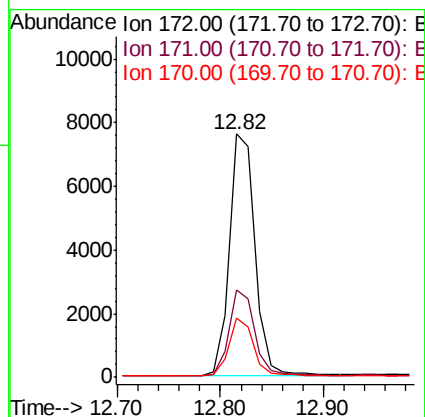
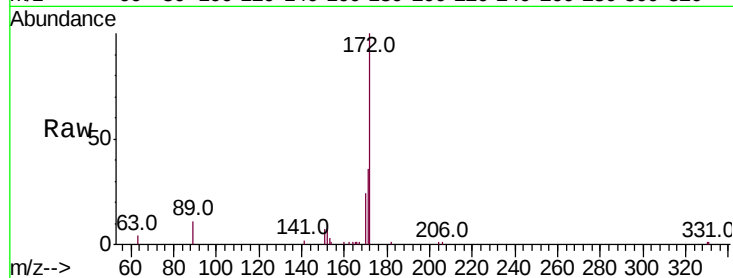
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.82 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampled :
WB-10-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	24.1	18.4	27.6

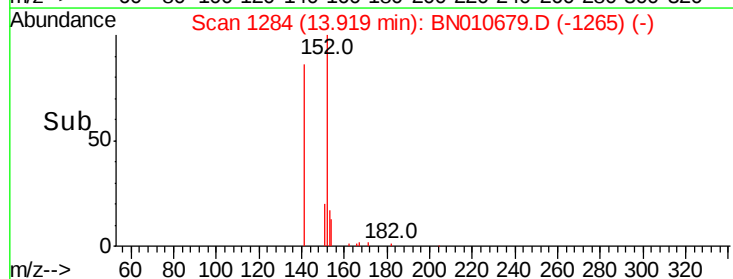
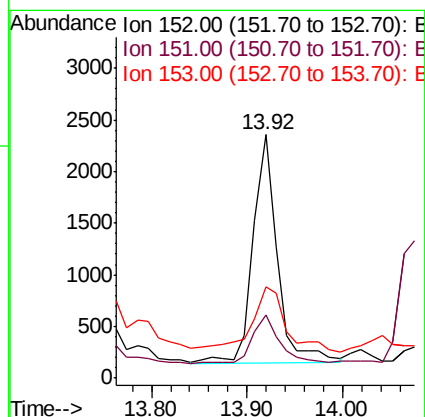
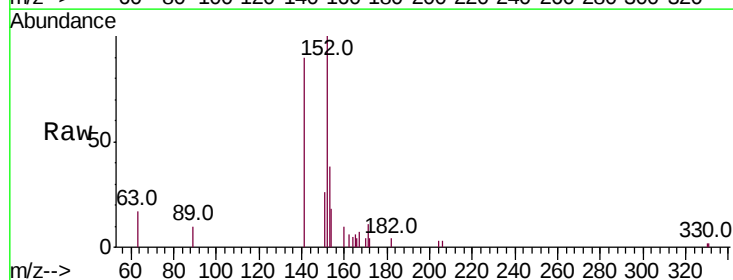
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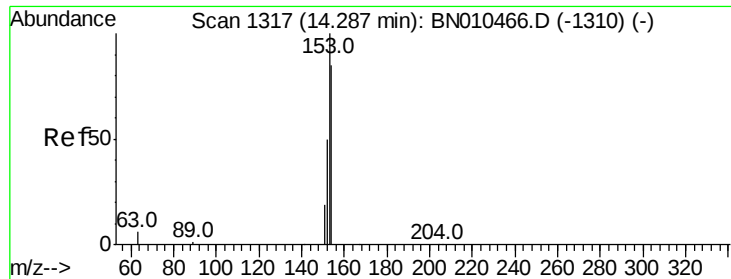
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#16
Acenaphthylene
Concen: 0.086 ng
RT: 13.92 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.8	15.7	23.5#
153	39.8	10.6	15.8#





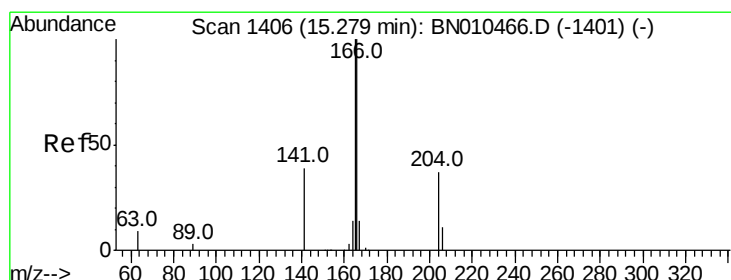
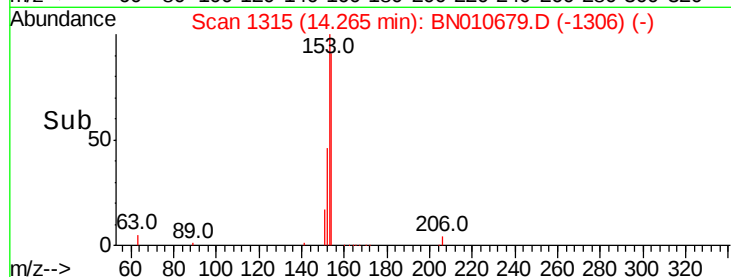
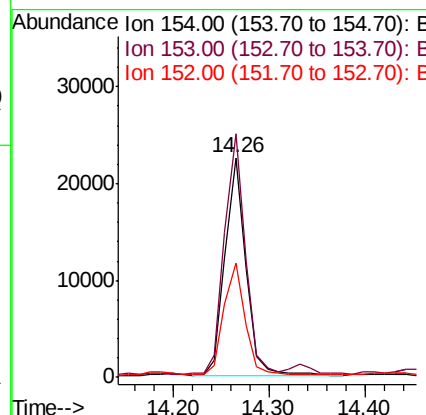
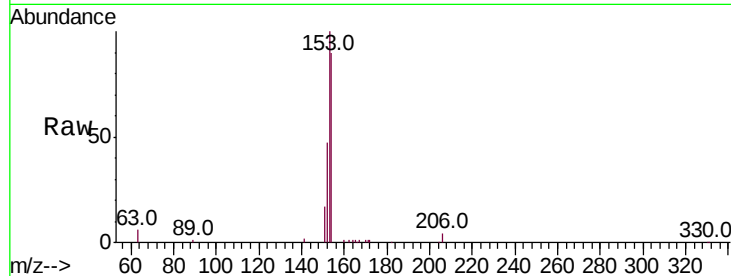
#17
Acenaphthene
Concen: 1.164 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampleId :
WB-10-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.5	91.0	136.4
152	52.1	44.6	67.0

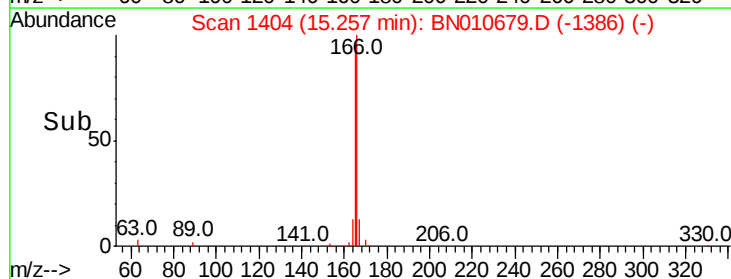
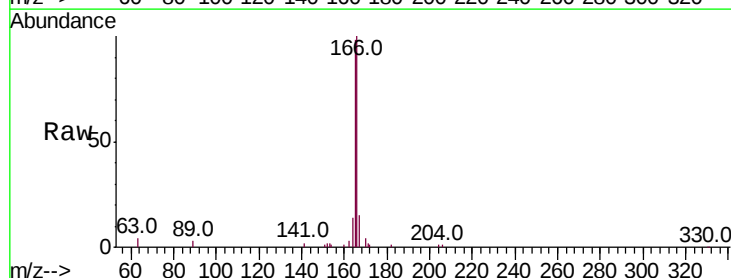
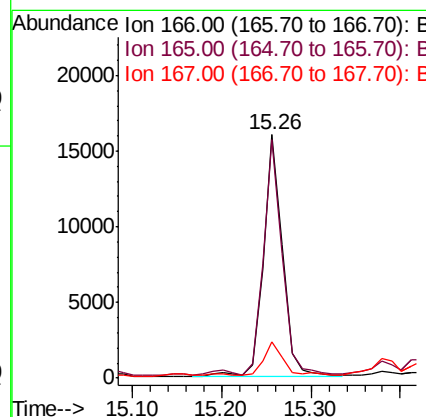
Manual Integrations
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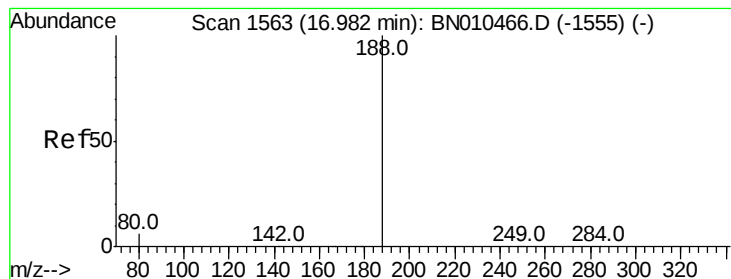
mohammad
5/4/2020 8:18:26 AM



#18
Fluorene
Concen: 0.622 ng
RT: 15.26 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.4	117.6
167	14.9	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

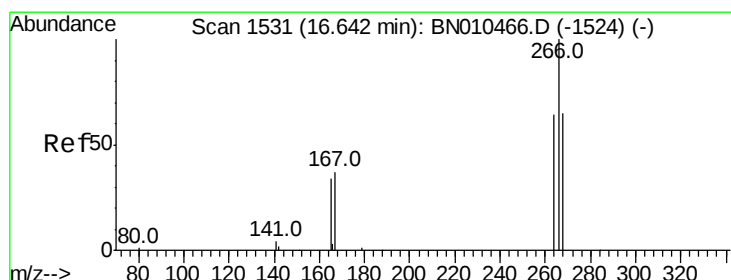
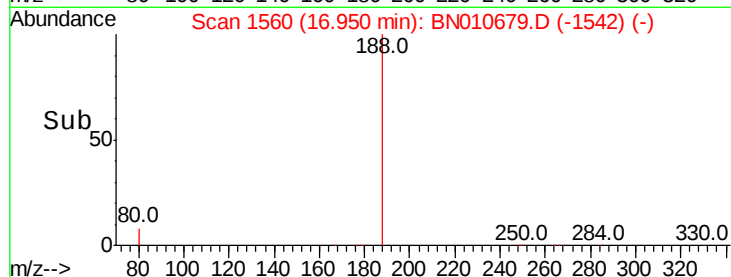
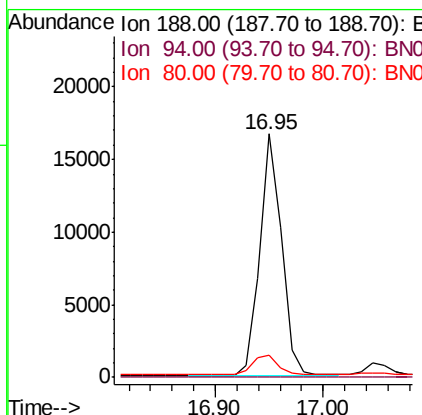
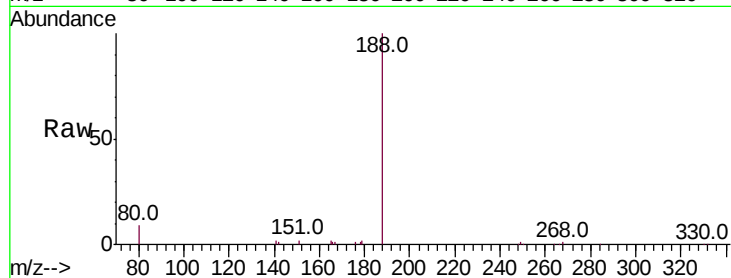
ClientSampleId :

WB-10-1

Tot Ion:	188	Resp:	23400
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.1	5.0	7.6#

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#22

Pentachlorophenol

Concen: 0.025 ng

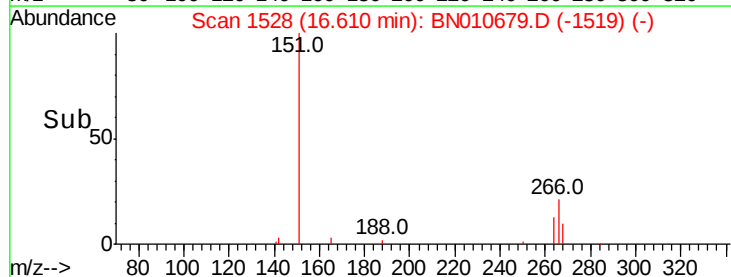
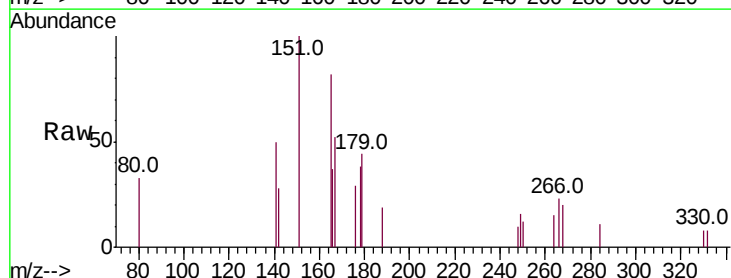
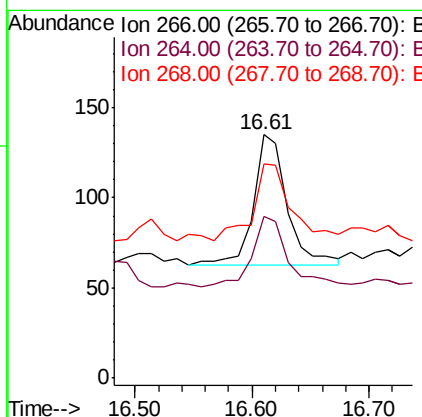
RT: 16.61 min Scan# 1528

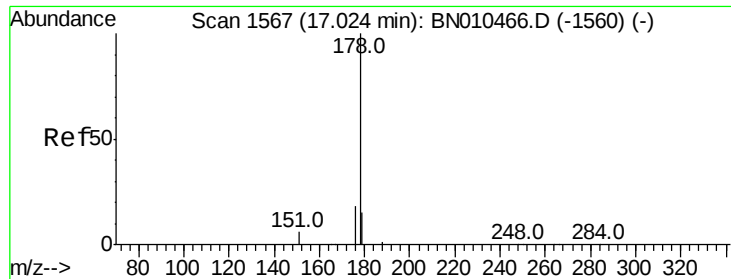
Delta R.T. -0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Tgt Ion:	266	Resp:	144
Ion Ratio	Lower	Upper	
266	100		
264	66.7	51.8	77.6
268	88.1	53.7	80.5#





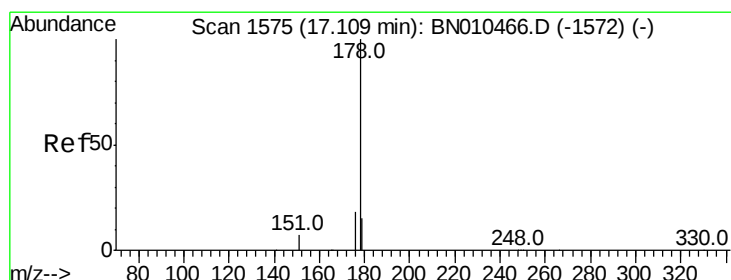
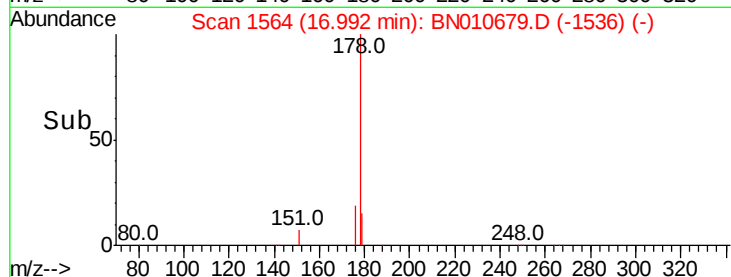
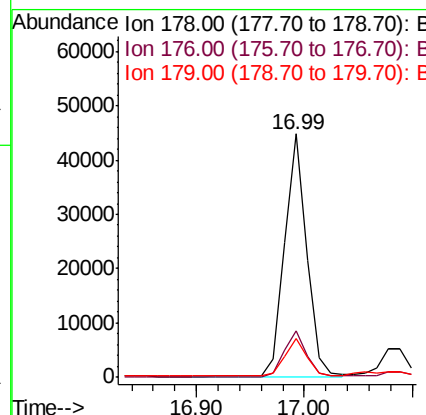
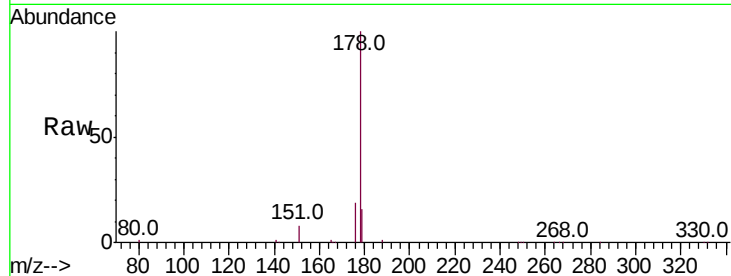
#23
Phenanthrene
Concen: 0.993 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampleId :
WB-10-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.7	12.6	18.8

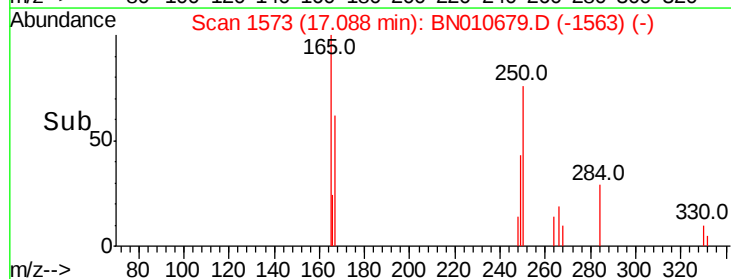
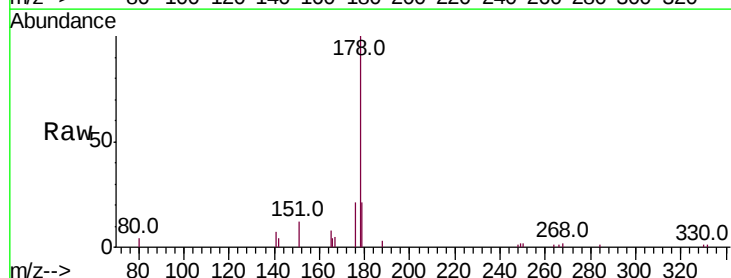
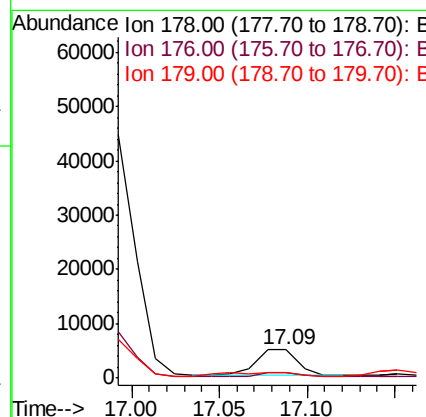
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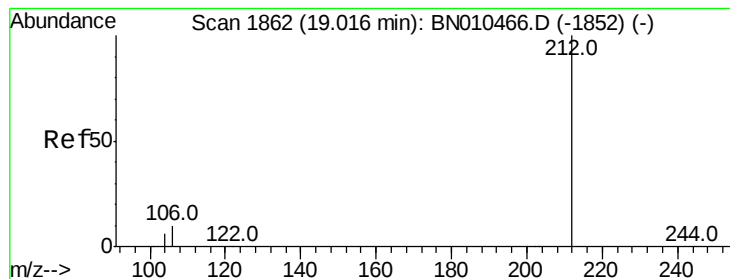
mohammad
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#24
Anthracene
Concen: 0.138 ng
RT: 17.09 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	0.0	12.2	18.2#





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 18.99 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

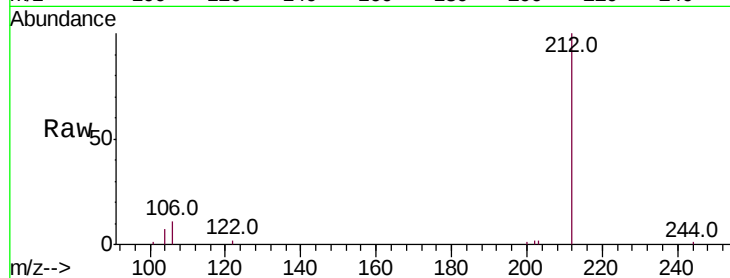
ClientSampleId :

WB-10-1

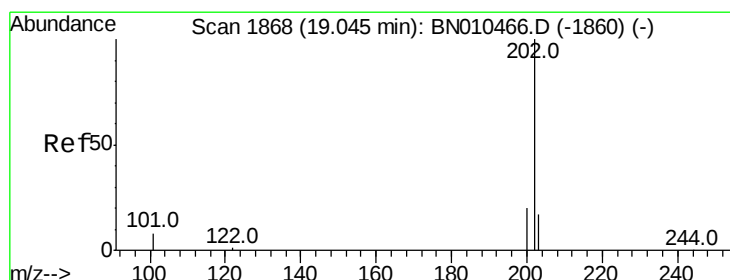
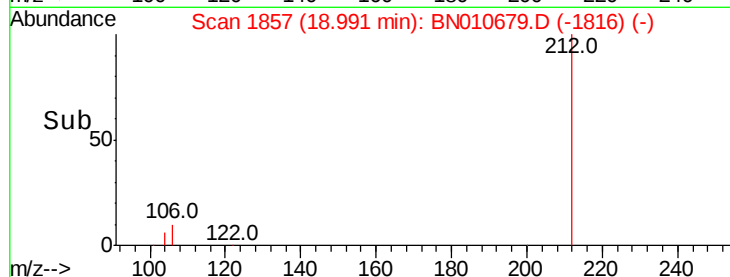
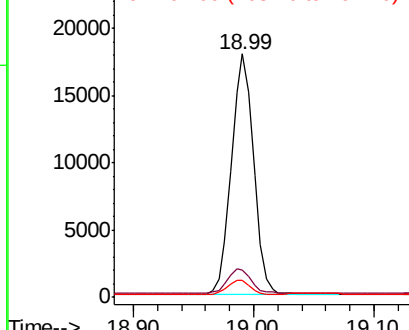
Tot Ion:	212	Resp:	23113
Ion Ratio	Lower	Upper	
212	100		
106	10.9	7.8	11.6
104	6.0	4.5	6.7

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.210 ng

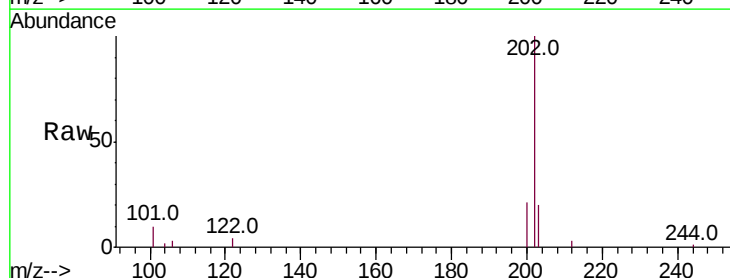
RT: 19.02 min Scan# 1863

Delta R.T. 0.00 min

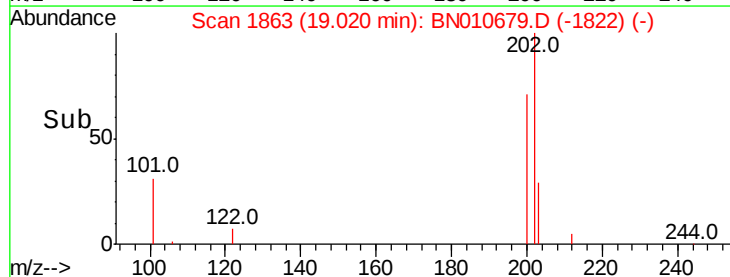
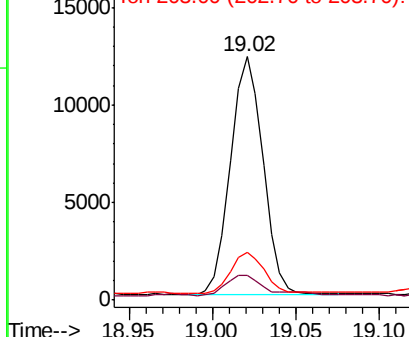
Lab File: BN010679.D

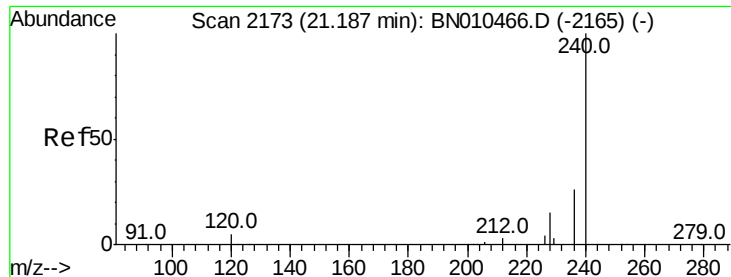
Acq: 30 Apr 2020 18:03

Tgt Ion:	202	Resp:	16526
Ion Ratio	Lower	Upper	
202	100		
101	8.9	6.9	10.3
203	18.0	13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.17 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

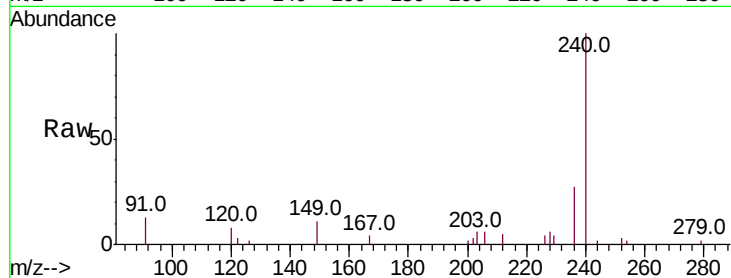
ClientSampleId :

WB-10-1

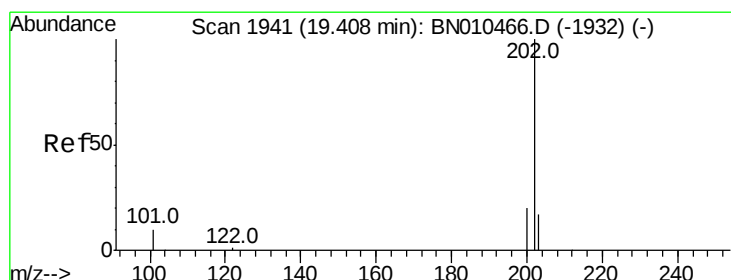
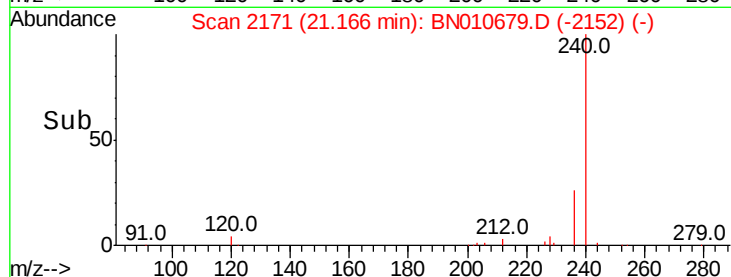
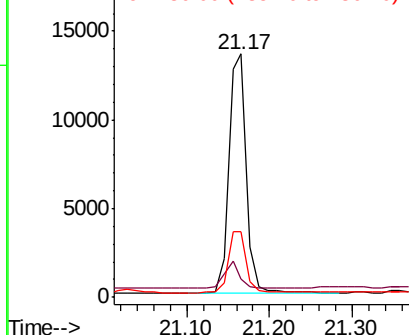
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.6	4.8	7.2#
236	27.1	21.4	32.0

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.248 ng

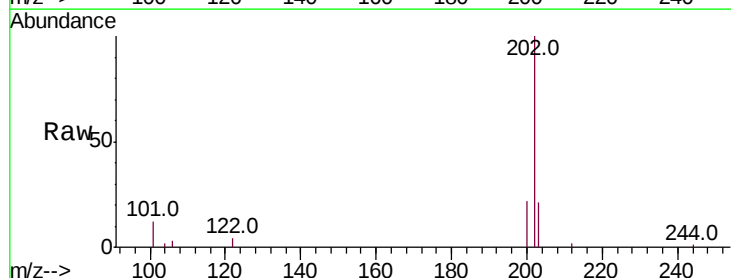
RT: 19.38 min Scan# 1936

Delta R.T. -0.00 min

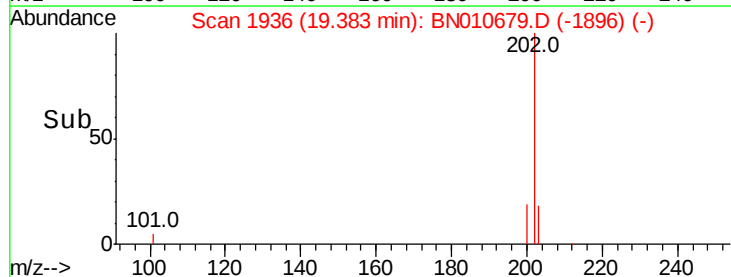
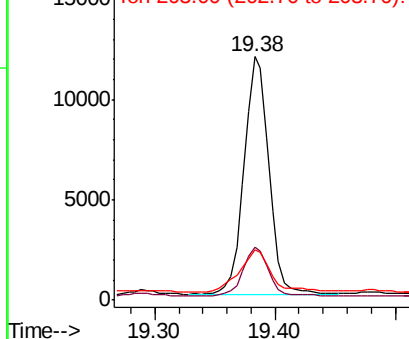
Lab File: BN010679.D

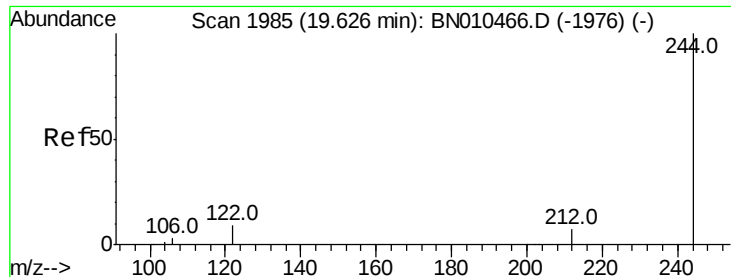
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	22.3	14.0	21.0#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





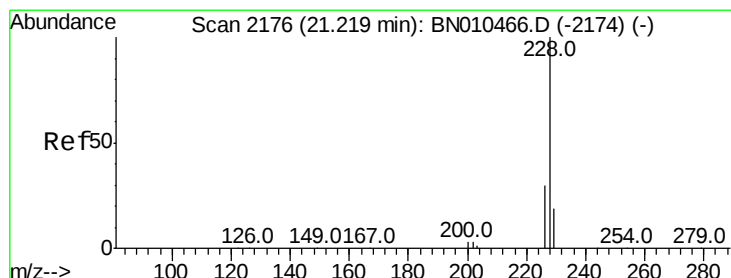
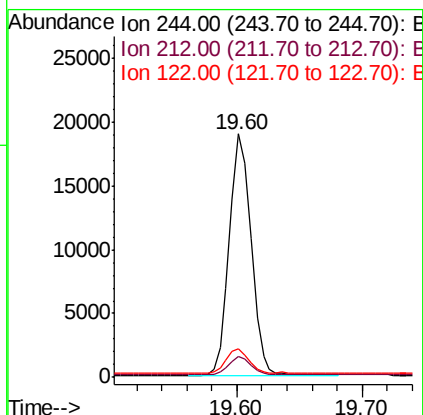
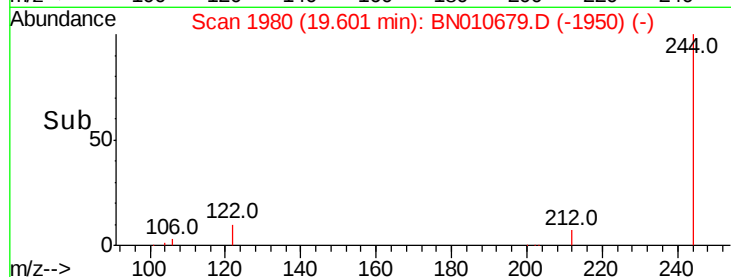
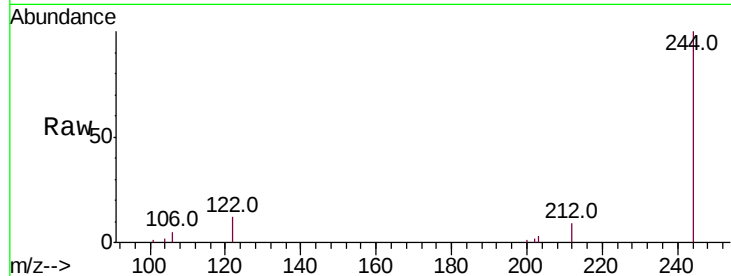
#29
 Terphenyl-d14
 Concen: 0.494 ng
 RT: 19.60 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: BN010679.D
 Acq: 30 Apr 2020 18:03

Instrument :
 BNA_N
 ClientSampled :
 WB-10-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.4
122	11.6	7.8	11.8

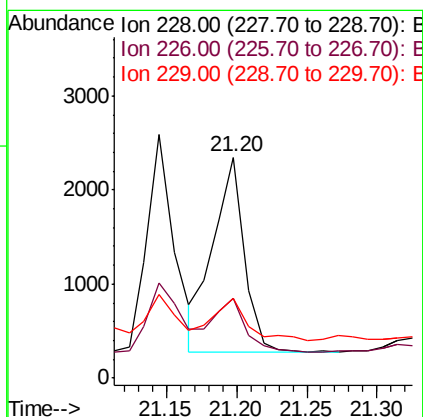
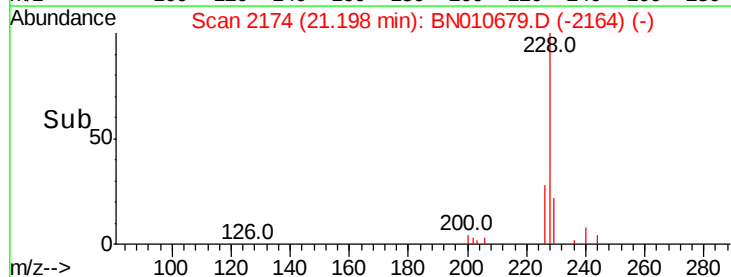
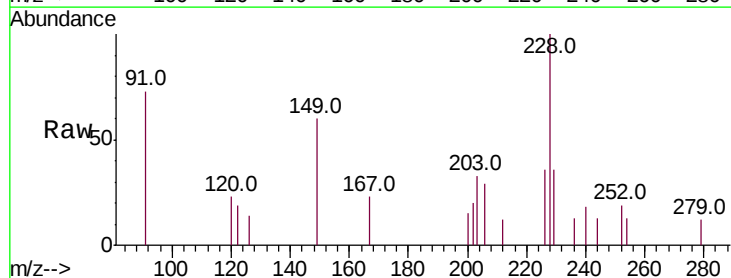
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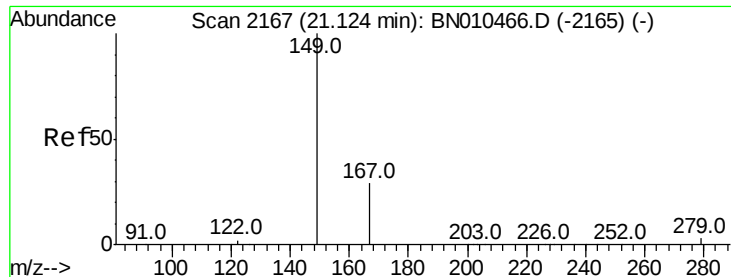
mohammad
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#31
 Chrysene
 Concen: 0.049 ng
 RT: 21.20 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BN010679.D
 Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.0	24.0	36.0#
229	36.1	15.8	23.6#





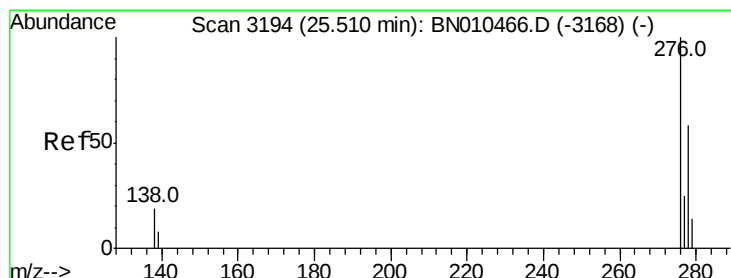
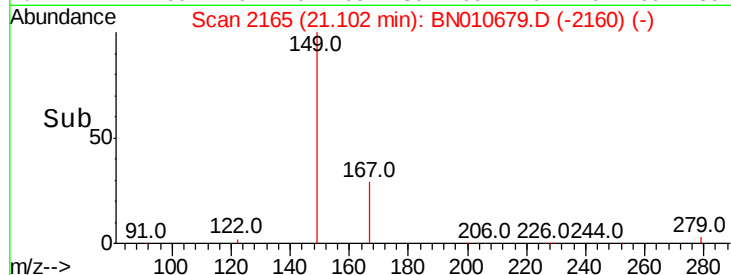
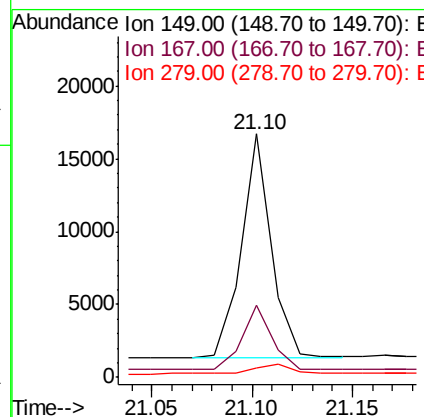
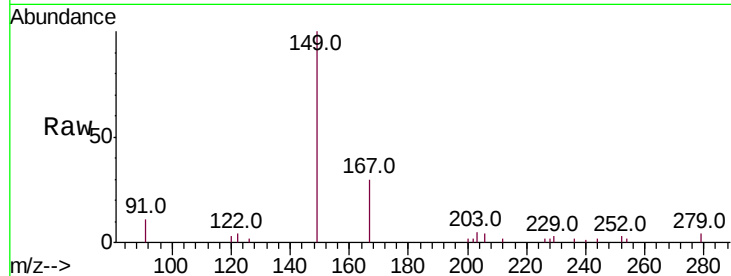
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.467 ng
RT: 21.10 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampleId :
WB-10-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.4	35.0
279	4.7	4.0	6.0

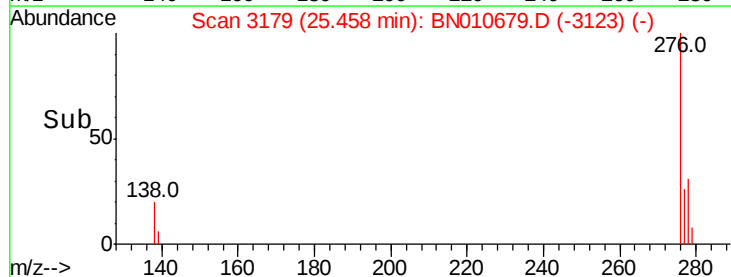
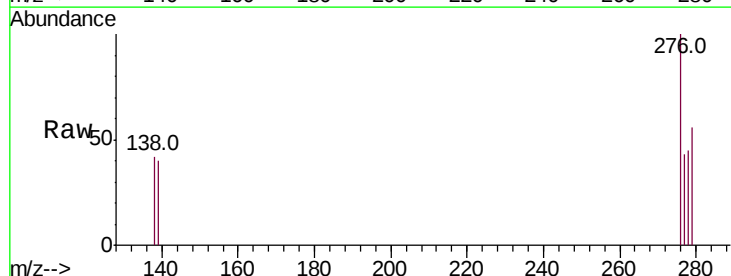
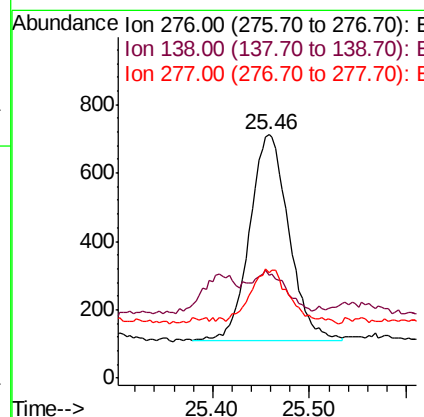
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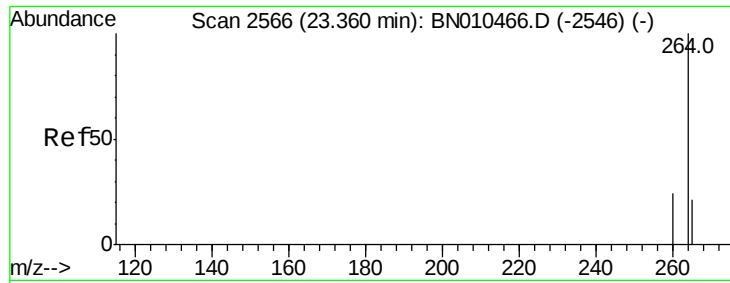
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.029 ng
RT: 25.46 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	16.4	24.6#
277	23.0	19.8	29.6





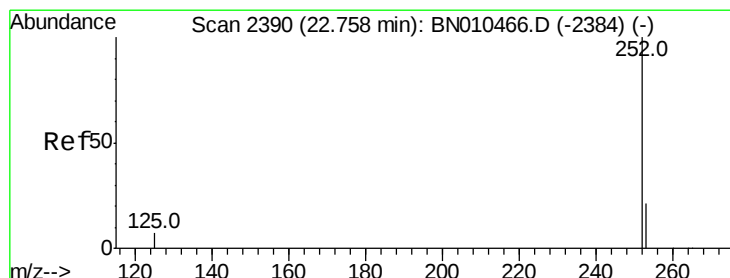
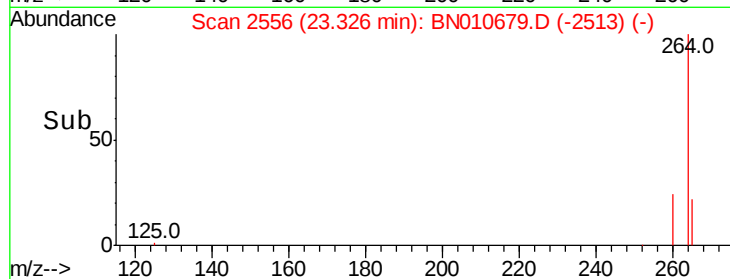
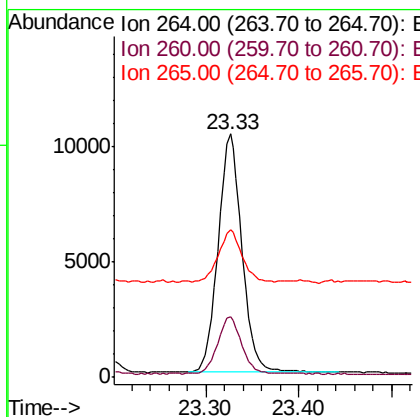
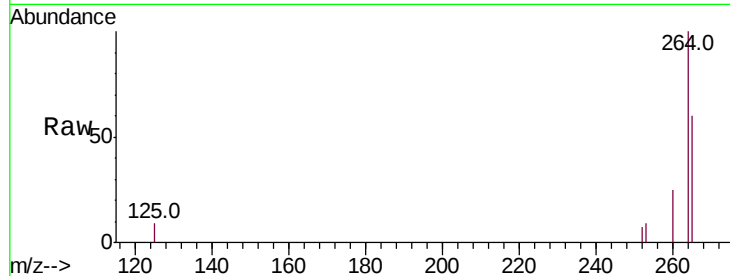
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Instrument :
BNA_N
ClientSampleId :
WB-10-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	60.4	42.3	63.5

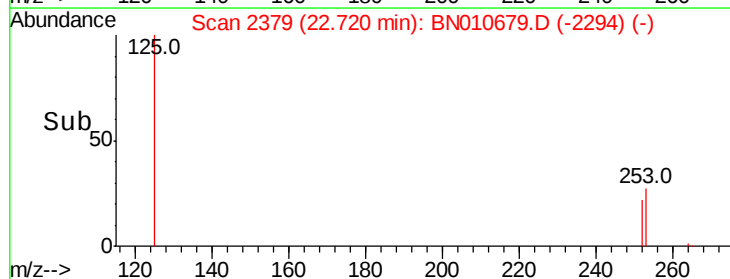
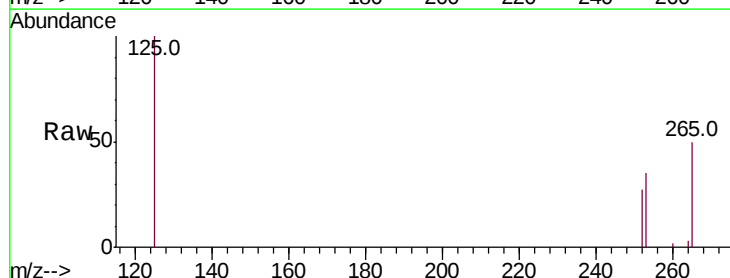
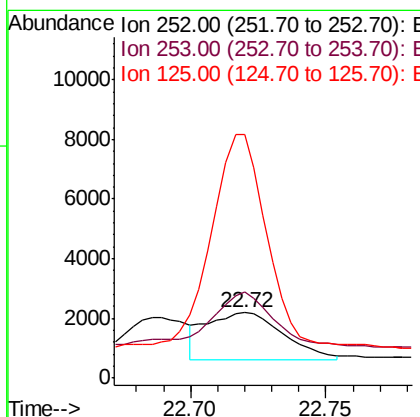
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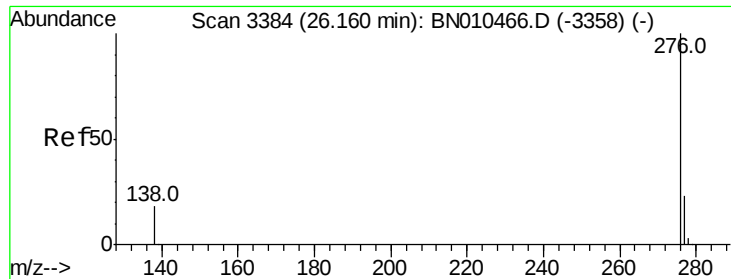
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.051 ng m
RT: 22.72 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BN010679.D
Acq: 30 Apr 2020 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	131.3	20.1	30.1#
125	372.7	9.6	14.4#





#39

Benzo(a,h,i)perylene

Concen: 0.035 ng

RT: 26.11 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BN010679.D

Acq: 30 Apr 2020 18:03

Instrument :

BNA_N

ClientSampleId :

WB-10-1

Tot Ion:	276	Resp:	1749
Ion Ratio	Lower	Upper	
276	100		
277	42.3	20.2	30.2#
138	41.4	15.4	23.2#

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