

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
 Data File : BN010680.D
 Acq On : 30 Apr 2020 18:39
 Operator : CG/JU
 Sample : L2423-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WB-10-2

Manual Integrations
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mohammad
 5/4/2020 8:18:29 AM

Quant Time: Apr 30 19:13:59 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	3790	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	16288	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	11557	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	23329	0.40	ng	0.00
27) Chrysene-d12	21.16	240	19398	0.40	ng	0.00
34) Perylene-d12	23.32	264	17202	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	1052	0.13	ng	0.00
5) Phenol-d6	6.78	99	844	0.08	ng	0.00
8) Nitrobenzene-d5	8.72	82	3218	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7141	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1932	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.82	172	12469	0.30	ng	0.00
25) Fluoranthene-d10	18.99	212	21533	0.30	ng	0.00
29) Terphenyl-d14	19.60	244	29570	0.67	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.38	128	527658	13.044	ng	99
12) 2-Methylnaphthalene	12.00	142	66206	2.278	ng	100
16) Acenaphthylene	13.92	152	24565	0.492	ng	# 66
17) Acenaphthene	14.27	154	91220	2.843	ng	99
18) Fluorene	15.26	166	94279	2.244	ng	99
22) Pentachlorophenol	16.61	266	1299	0.223	ng	97
23) Phenanthrene	17.00	178	237236	3.765	ng	100
24) Anthracene	17.08	178	32910	0.571	ng	# 90
26) Fluoranthene	19.02	202	63566	0.811	ng	99
28) Pvrene	19.39	202	69255	1.061	ng	97
30) Benzo(a)anthracene	21.14	228	13054	0.206	ng	# 93
31) Chrysene	21.20	228	13652	0.217	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.10	149	3072	0.095	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.45	276	5792	0.104	ng	98
35) Benzo(b)fluoranthene	22.69	252	11774	0.208	ng	# 77
36) Benzo(k)fluoranthene	22.72	252	4024m	0.071	ng	
37) Benzo(a)pvrene	23.23	252	6649	0.133	ng	# 70
38) Dibenzo(a,h)anthracene	25.47	278	1683	0.037	ng	# 15
39) Benzo(g,h,i)perylene	26.10	276	7027	0.152	ng	# 91

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

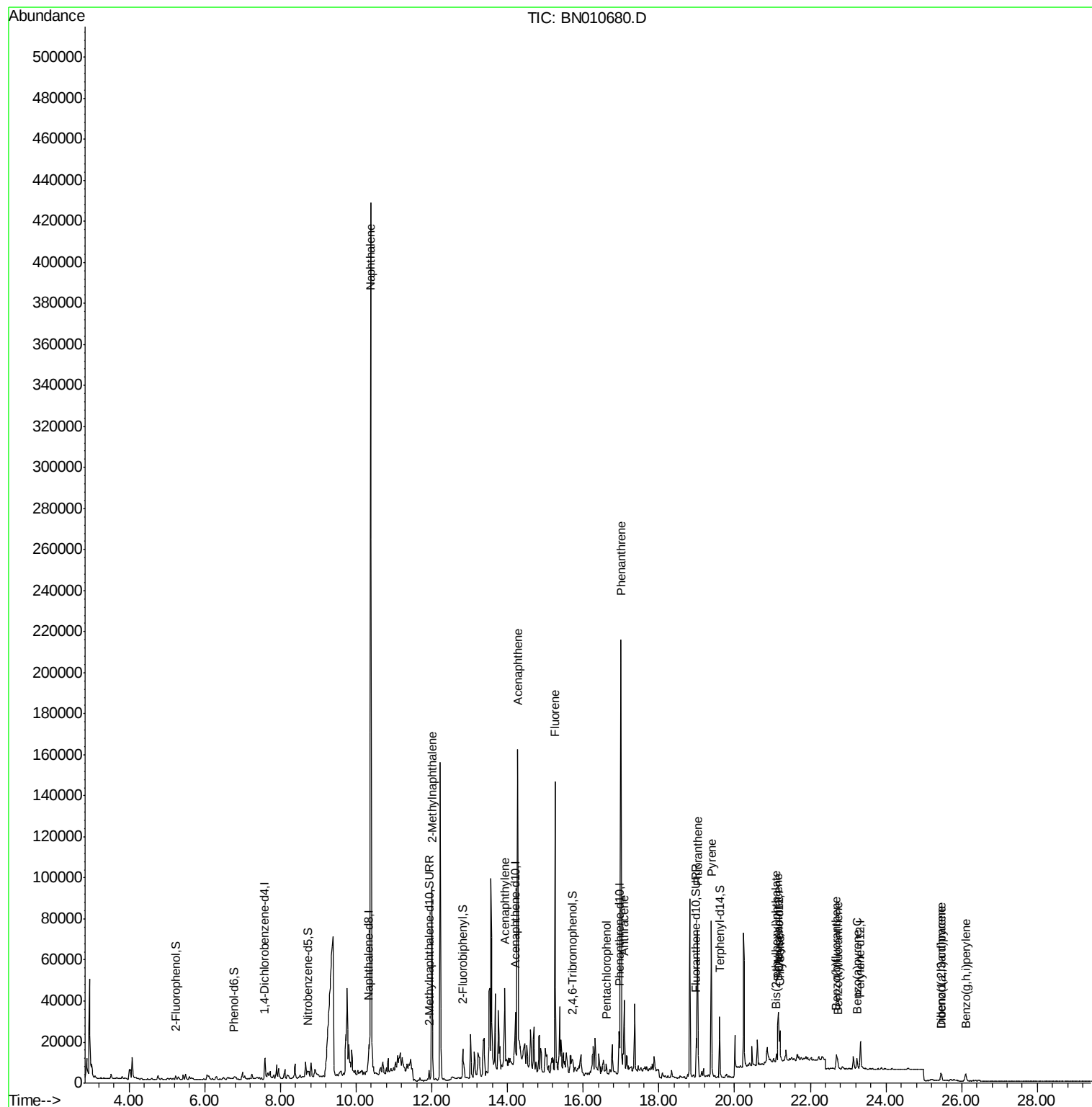
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043020\
Data File : BN010680.D
Acq On : 30 Apr 2020 18:39
Operator : CG/JU
Sample : L2423-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

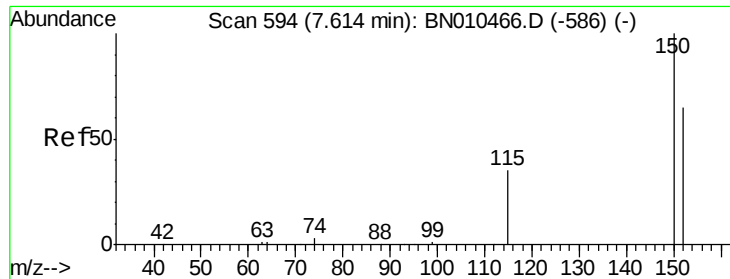
Instrument :
BNA_N
ClientSampleId :
WB-10-2

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Quant Time: Apr 30 19:13:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

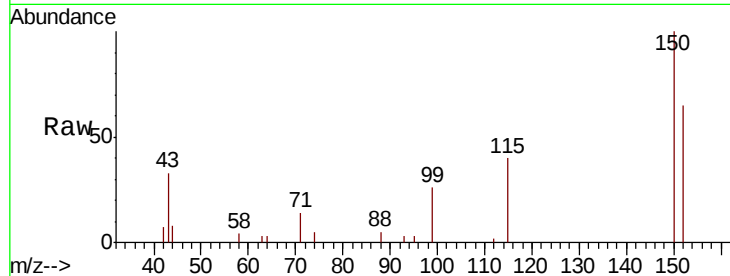
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	121.8	182.6
115	61.9	45.5	68.3

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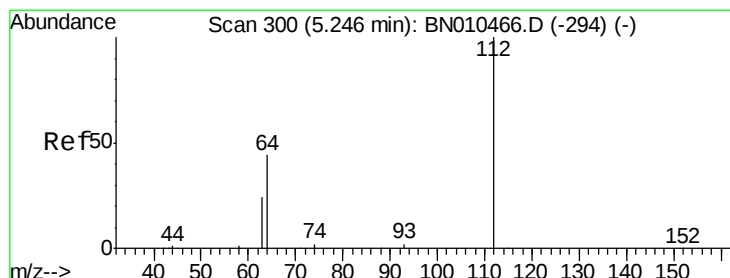
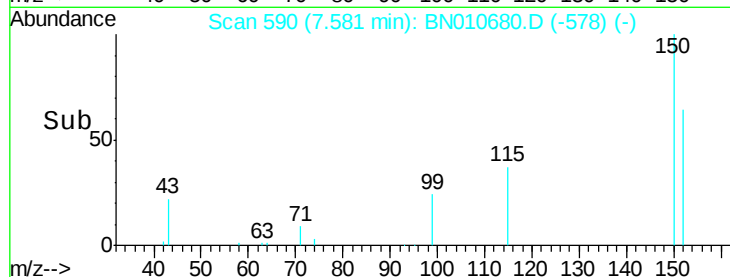
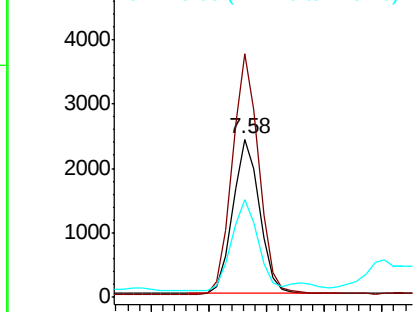


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

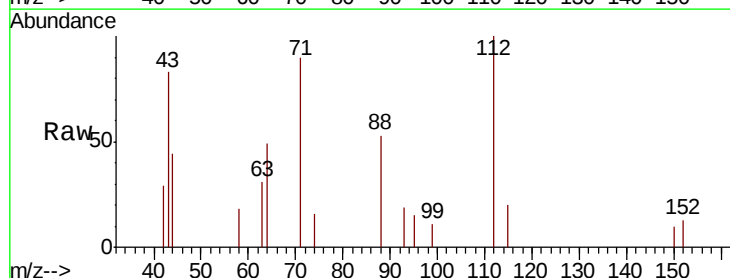
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.127 ng
RT: 5.23 min Scan# 298
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.5	35.8	53.8
63	21.6	19.9	29.9

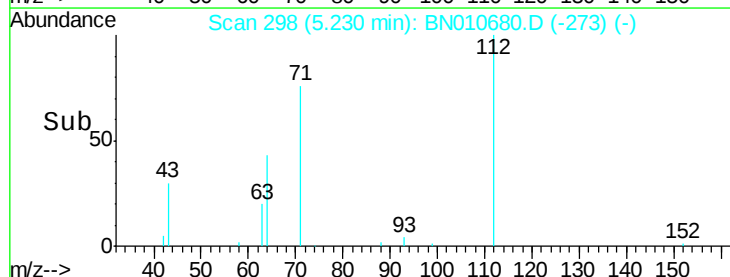
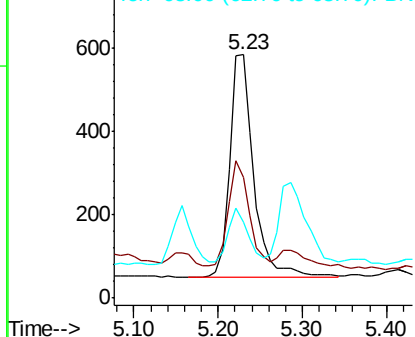


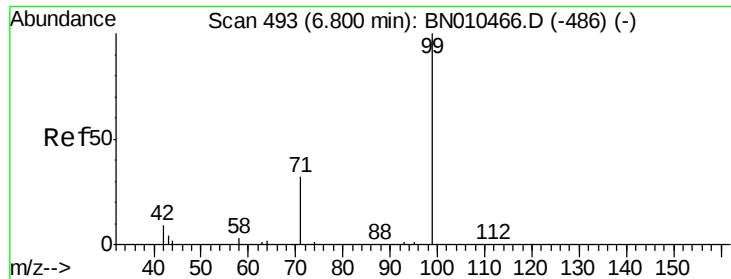
Abundance

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: 0.078 ng

RT: 6.78 min Scan# 490

Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

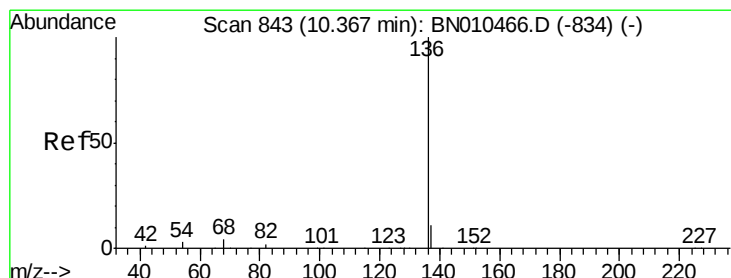
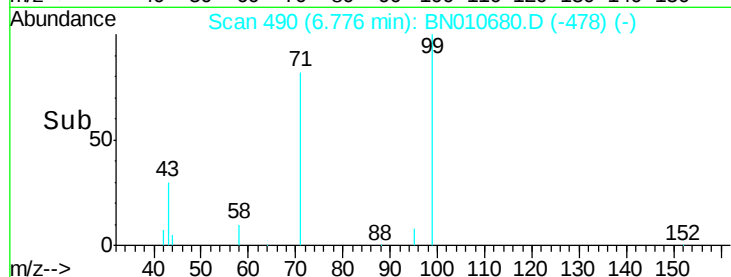
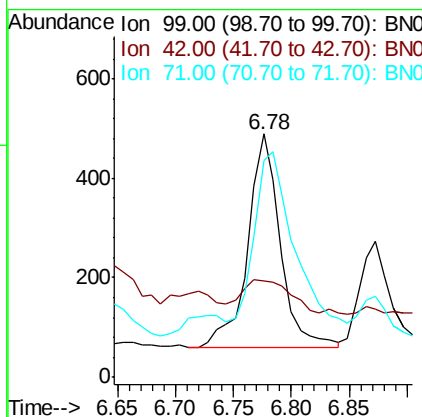
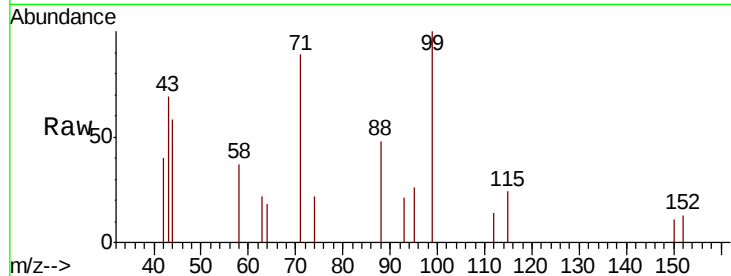
ClientSampled :

WB-10-2

Tot Ion:	99	Resp:	844
Ion	Ratio	Lower	Upper
99	100		
42	21.8	9.8	14.6#
71	108.3	27.8	41.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

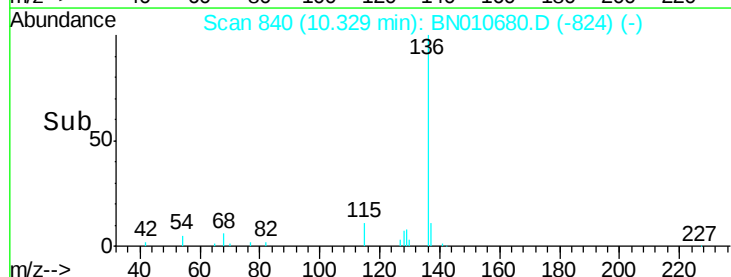
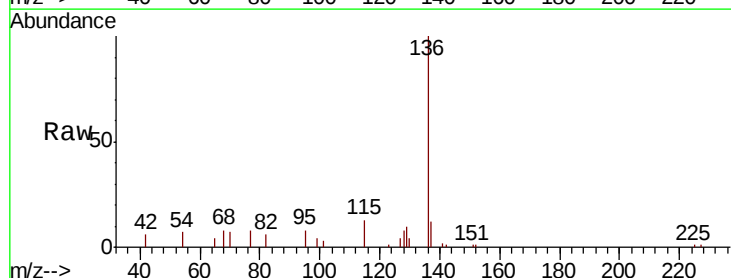
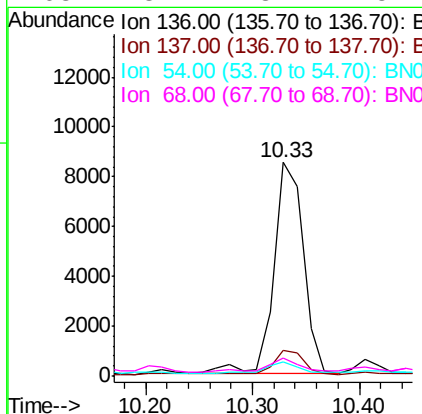
RT: 10.33 min Scan# 840

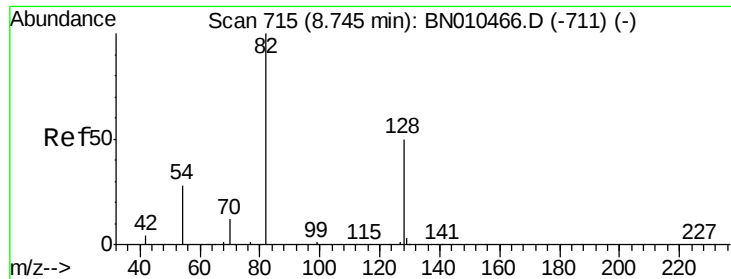
Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Tgt Ion:	136	Resp:	16288
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	6.5	2.6	4.0#
68	8.2	3.4	5.2#





#8

Nitrobenzene-d5

Concen: 0.283 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

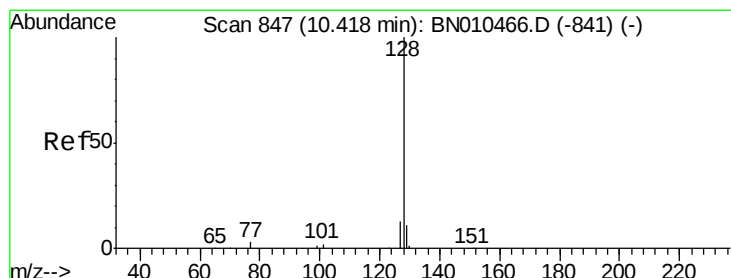
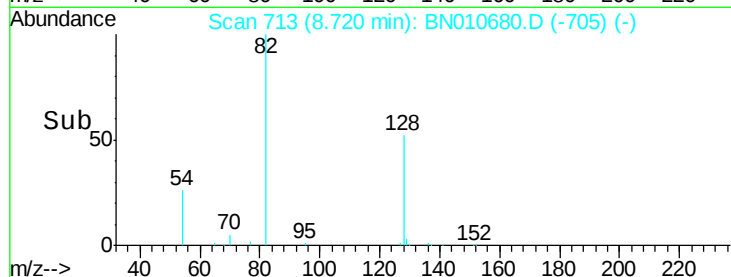
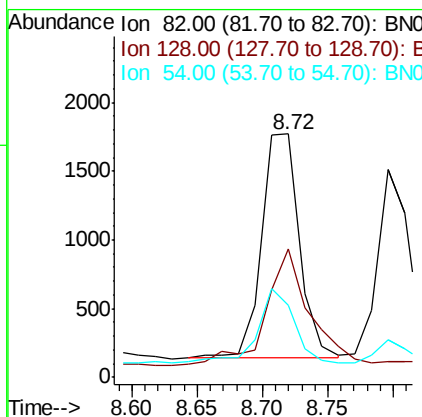
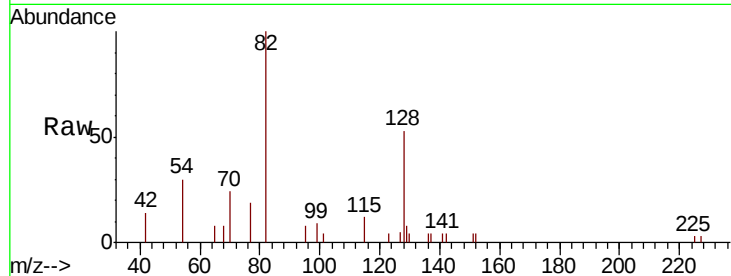
ClientSampled :

WB-10-2

Tot Ion:	82	Resp:	3218
Ion	Ratio	Lower	Upper
82	100		
128	52.7	41.3	61.9
54	29.7	23.4	35.0

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#9

Naphthalene

Concen: 13.044 ng

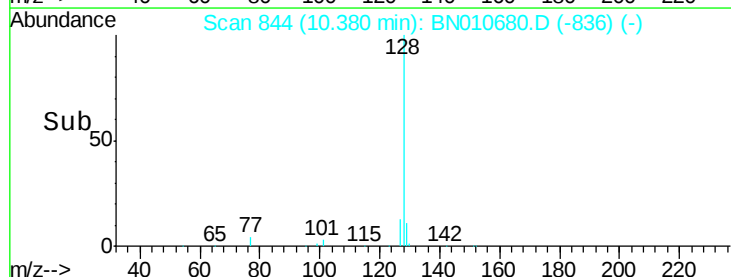
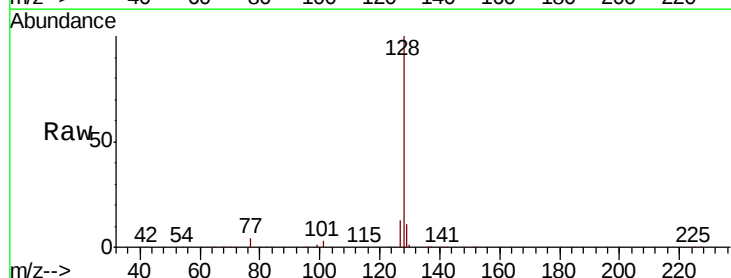
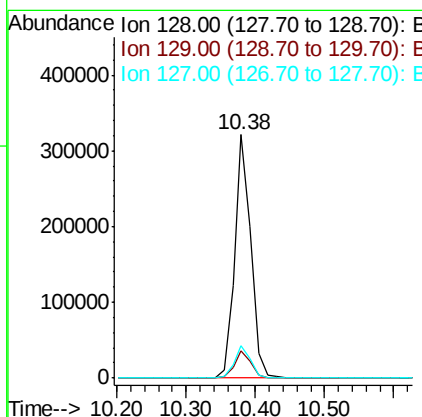
RT: 10.38 min Scan# 844

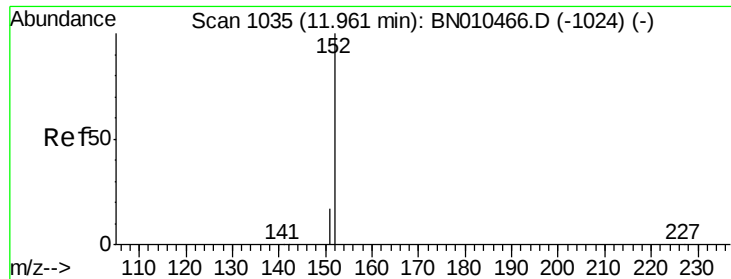
Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Tgt Ion:	128	Resp:	527658
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.3	10.5	15.7





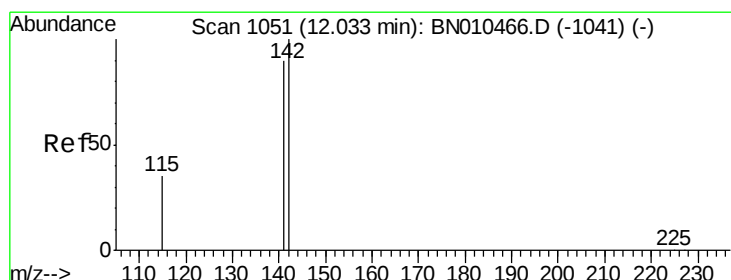
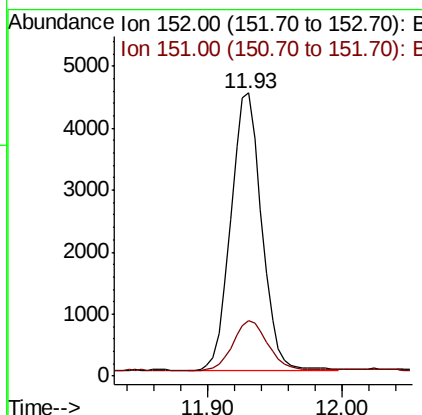
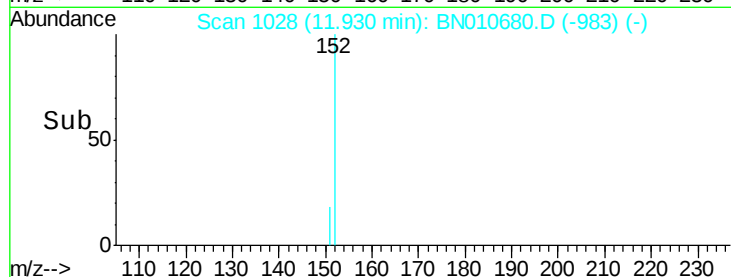
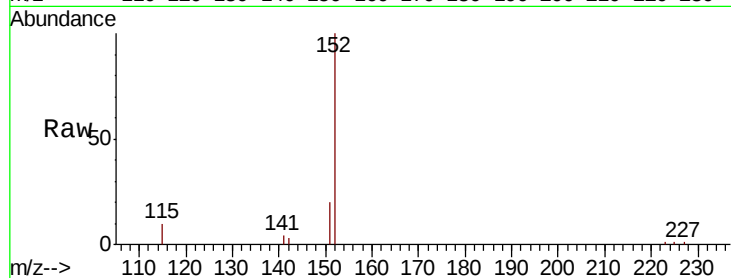
#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 11.93 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.3	22.9

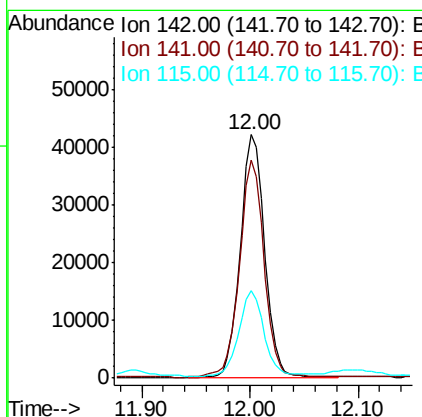
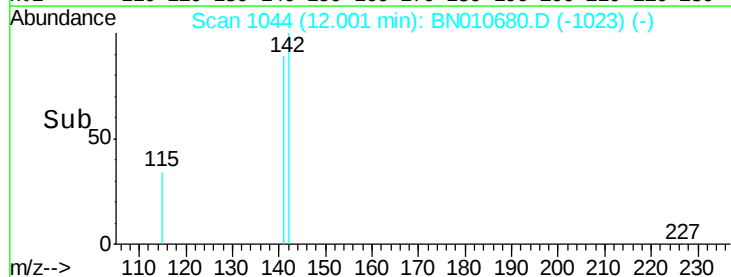
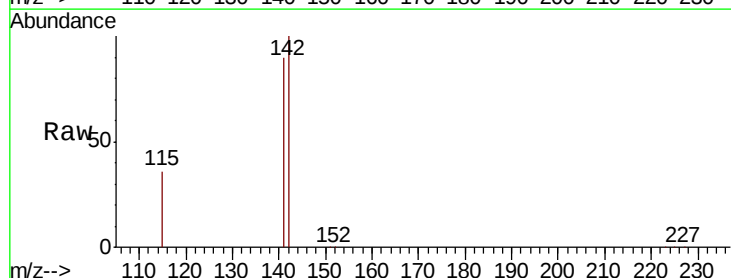
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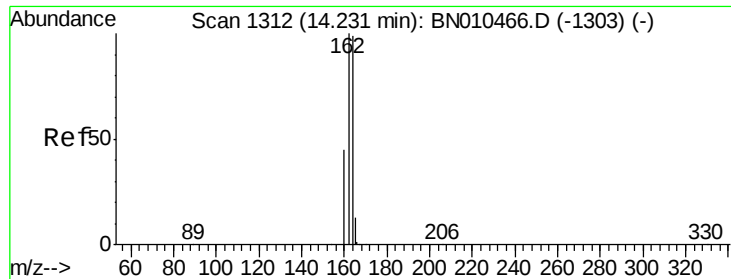
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#12
2-Methylnaphthalene
Concen: 2.278 ng
RT: 12.00 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.9	107.9
115	35.7	28.8	43.2





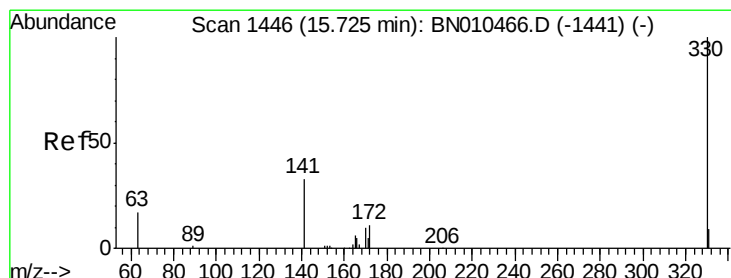
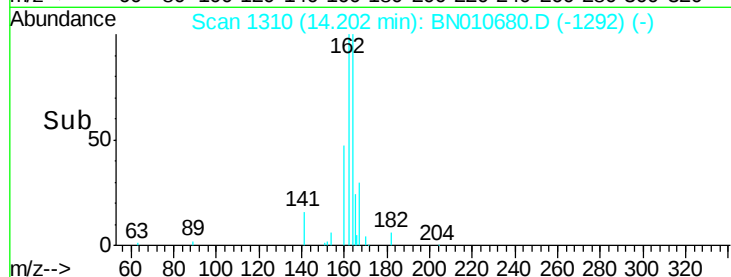
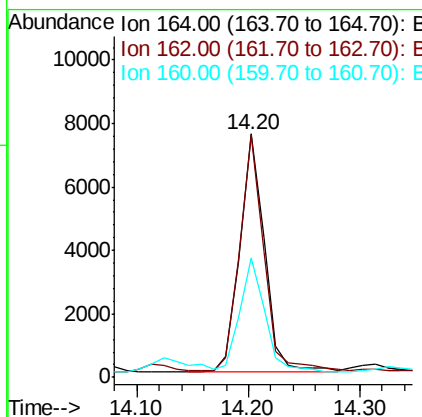
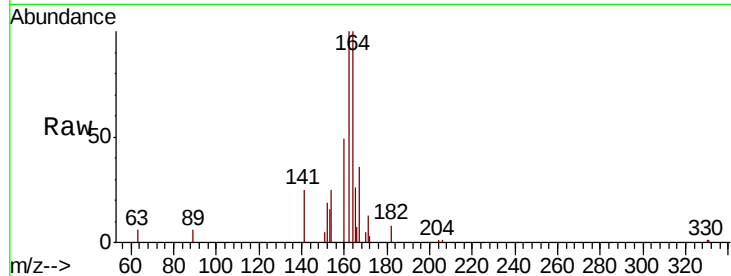
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampled :
WB-10-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	48.9	36.5	54.7

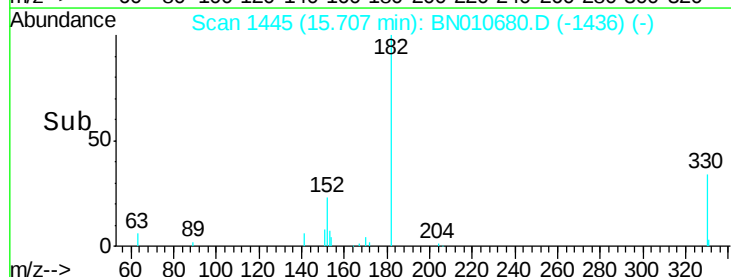
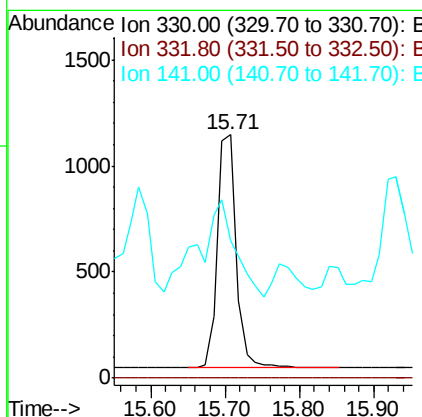
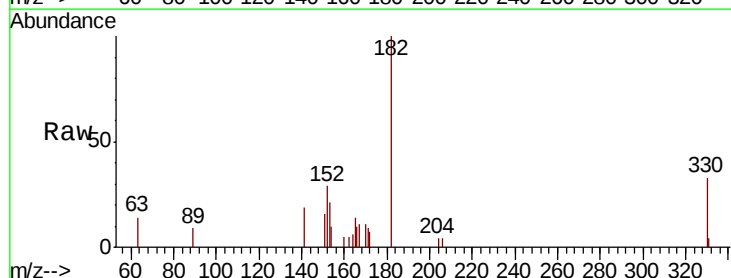
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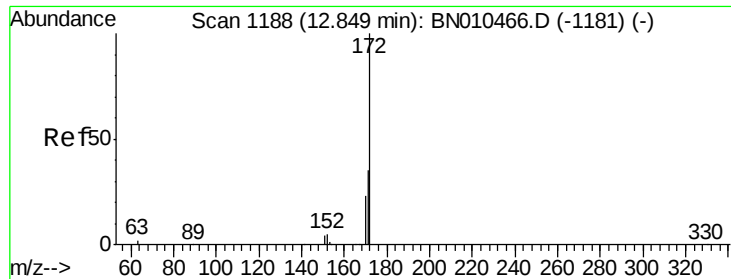
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#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	78.5	28.1	42.1#





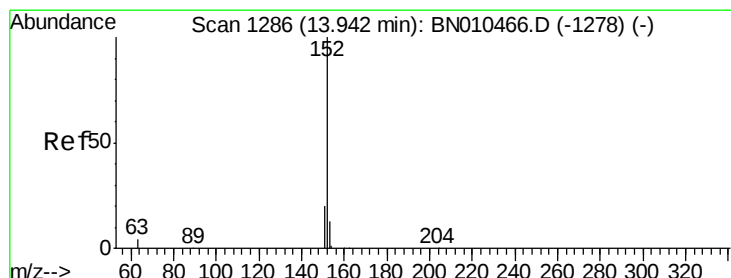
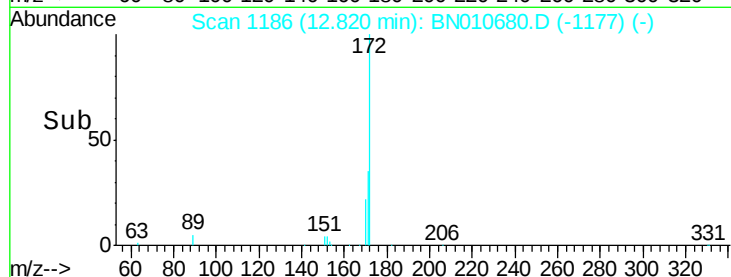
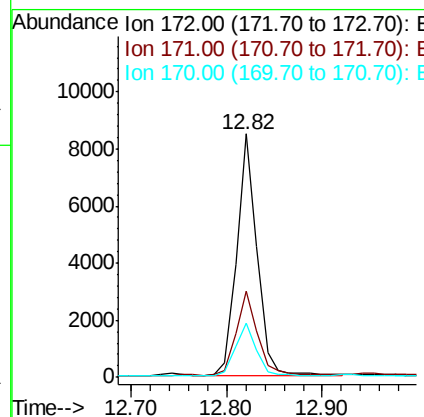
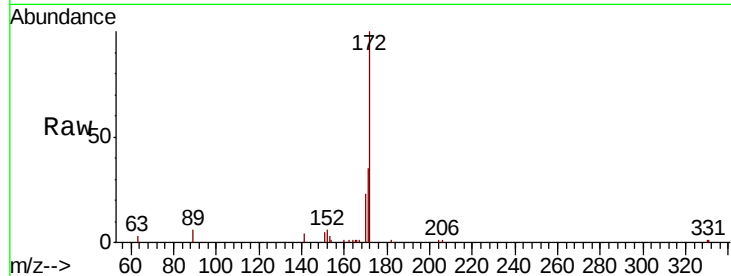
#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 12.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampled :
WB-10-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	22.5	18.4	27.6

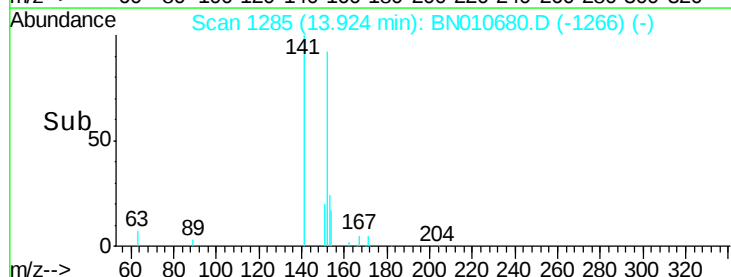
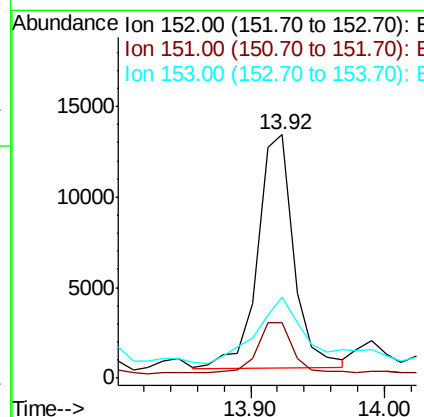
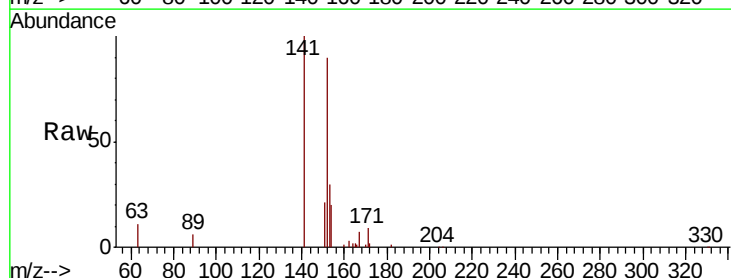
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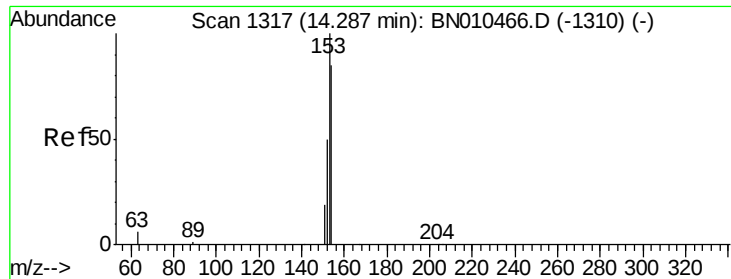
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#16
Acenaphthylene
Concen: 0.492 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	15.7	23.5
153	42.2	10.6	15.8#





#17

Acenaphthene

Concen: 2.843 ng

RT: 14.27 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

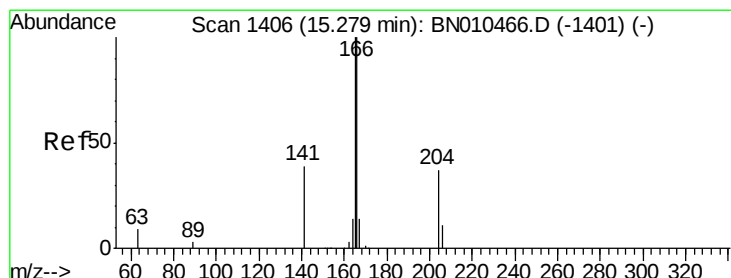
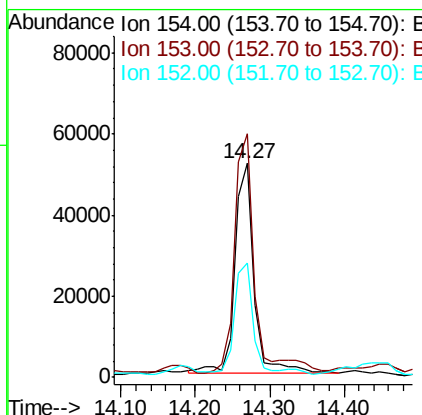
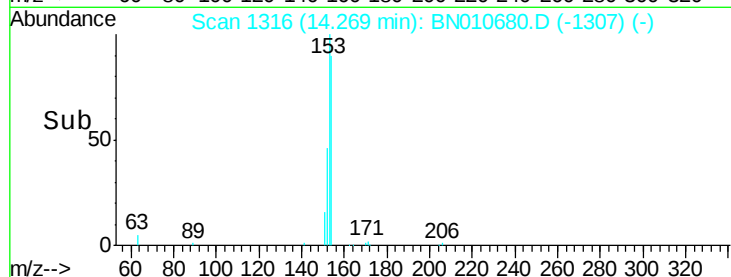
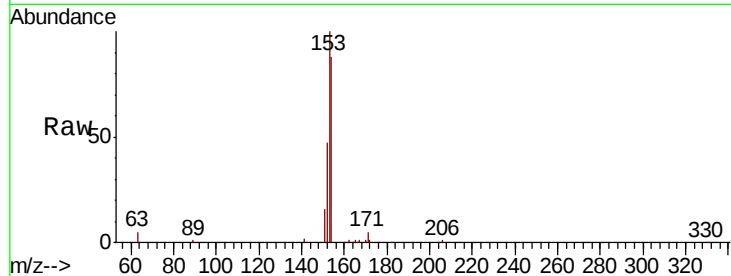
ClientSampleId :

WB-10-2

Tot Ion:	154	Resp:	91220
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.0	136.4
152	53.5	44.6	67.0

Manual Integrations
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#18

Fluorene

Concen: 2.244 ng

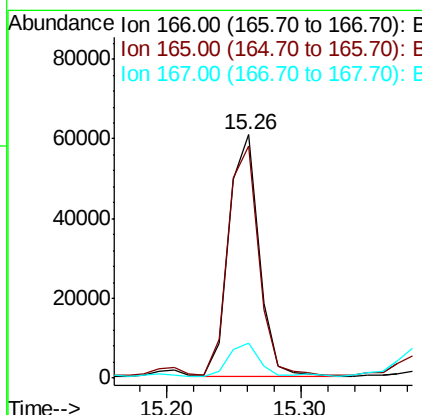
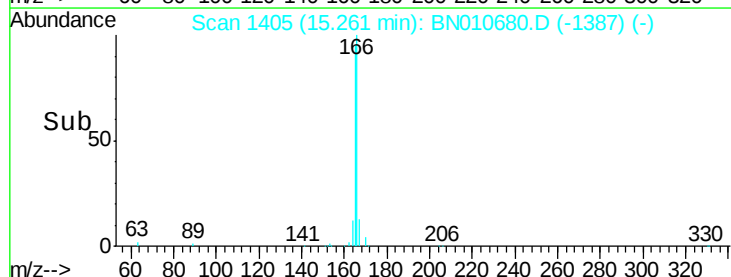
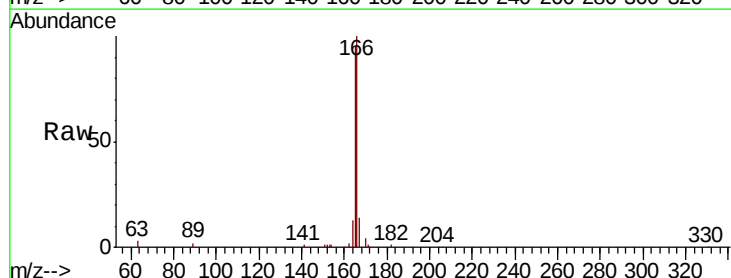
RT: 15.26 min Scan# 1405

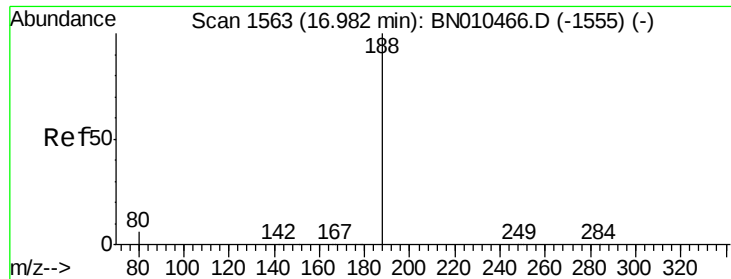
Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Tgt Ion:	166	Resp:	94279
Ion Ratio	Lower	Upper	
166	100		
165	97.4	78.4	117.6
167	14.8	10.9	16.3





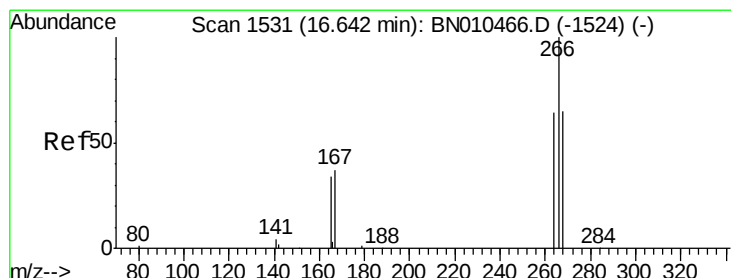
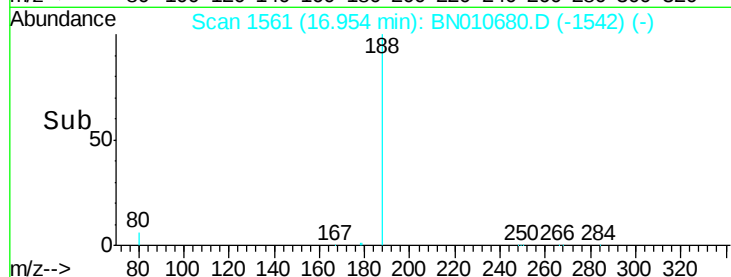
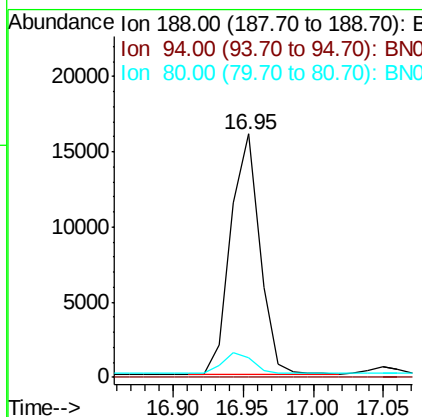
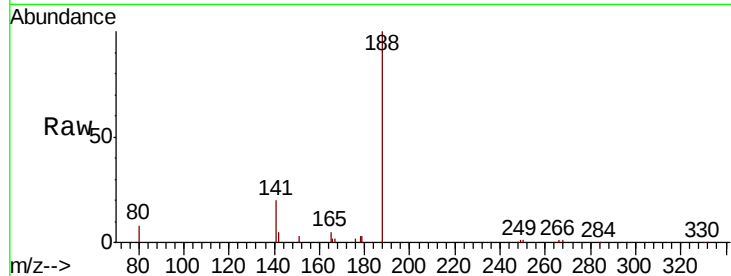
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion:188	Resp:	23329
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 8.0	5.0	7.6#

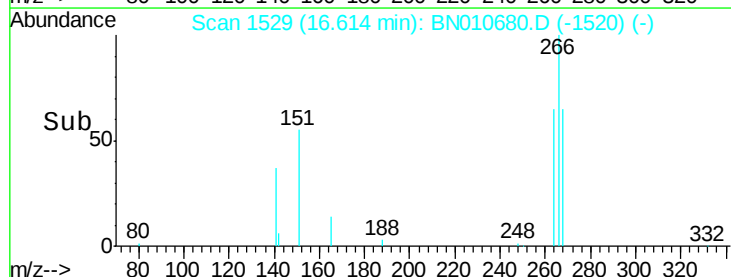
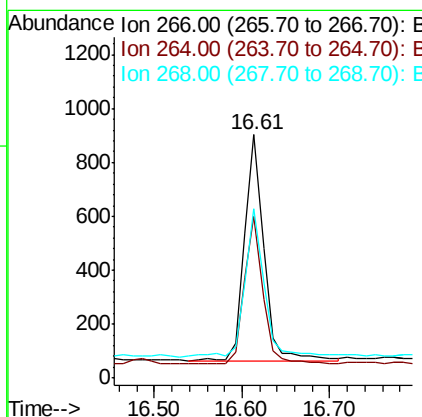
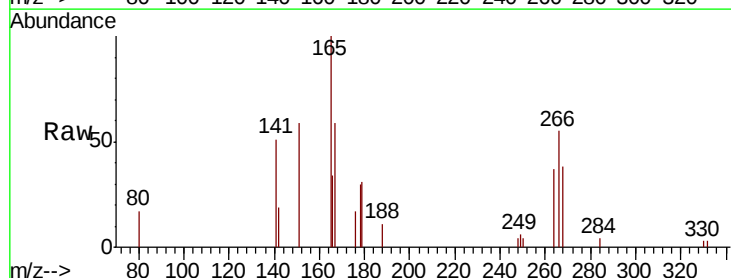
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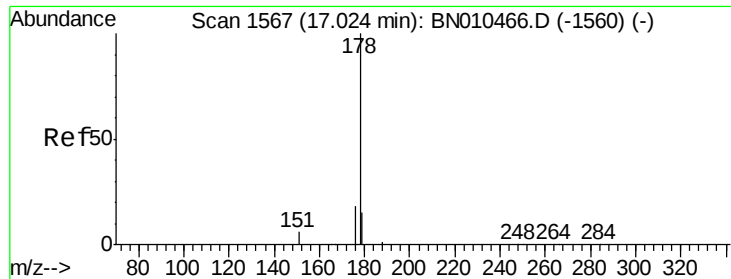
mohammad
5/4/2020 8:18:29 AM



#22
Pentachlorophenol
Concen: 0.223 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion:266	Resp:	1299
Ion Ratio	Lower	Upper
266 100		
264 66.4	51.8	77.6
268 69.4	53.7	80.5





#23

Phenanthrene

Concen: 3.765 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

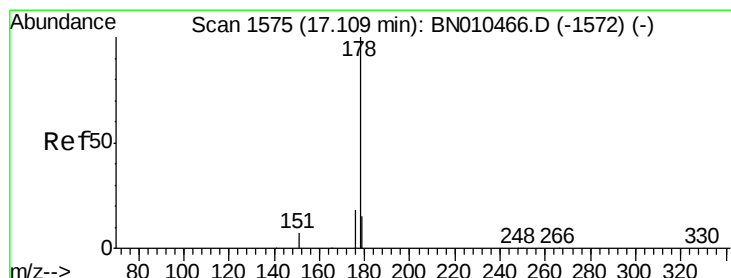
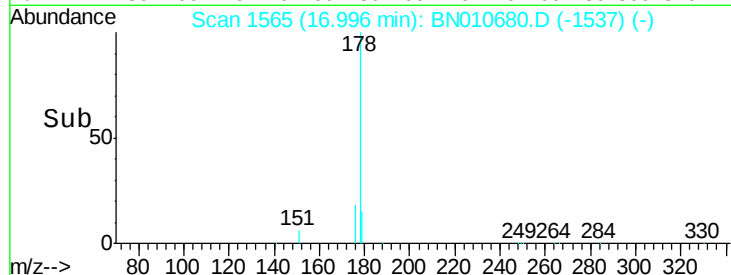
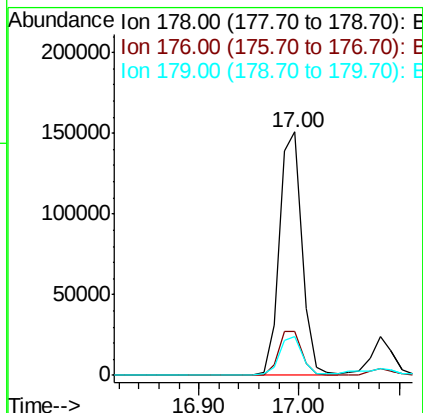
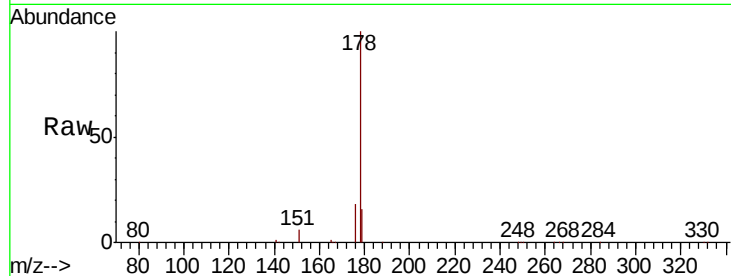
ClientSampleId :

WB-10-2

Tot Ion:	178	Resp:	237236
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.0	22.4
179	15.6	12.6	18.8

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#24

Anthracene

Concen: 0.571 ng

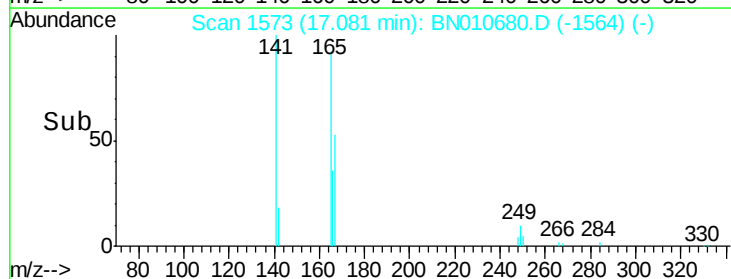
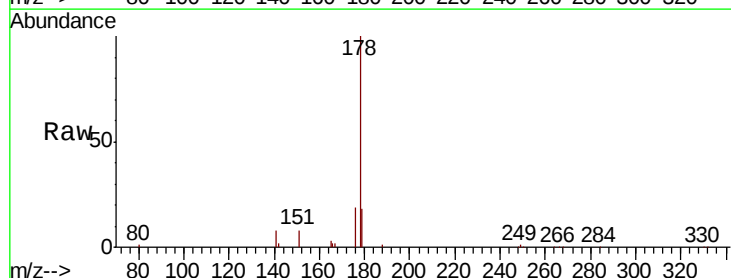
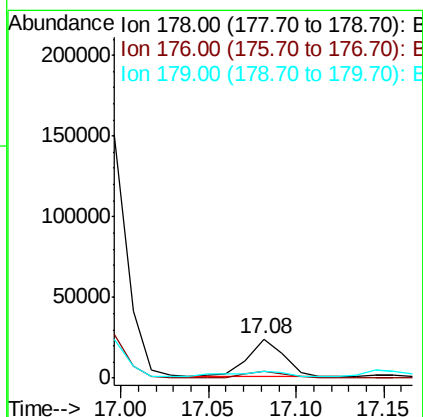
RT: 17.08 min Scan# 1573

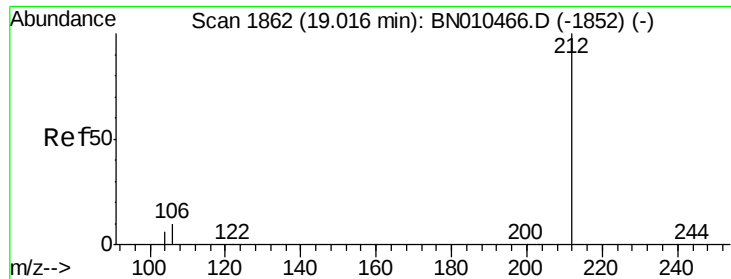
Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Tgt Ion:	178	Resp:	32910
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	24.7	12.2	18.2#





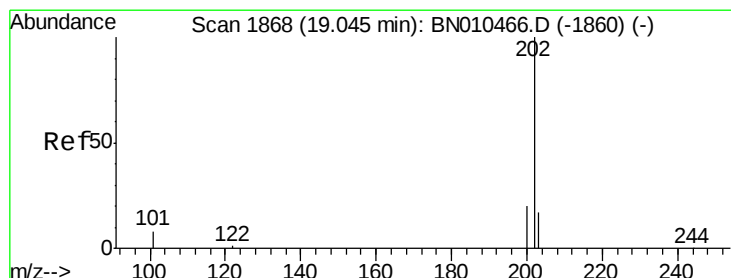
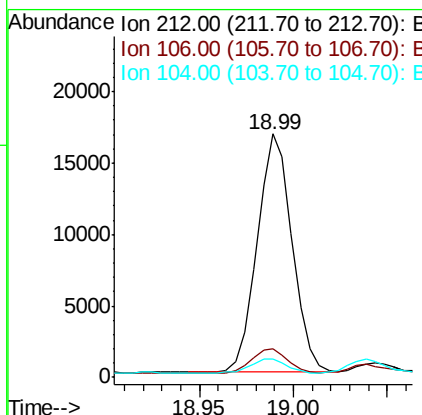
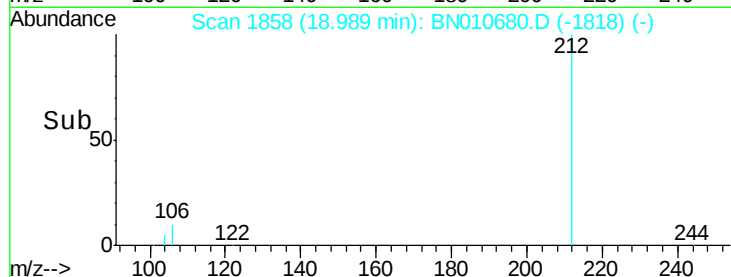
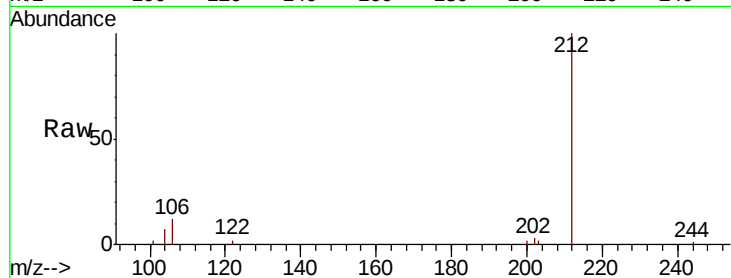
#25
 Fluoranthene-d10
 Concen: 0.304 ng
 RT: 18.99 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: BN010680.D
 Acq: 30 Apr 2020 18:39

Instrument :
 BNA_N
 ClientSampleId :
 WB-10-2

Tot Ion:	212	Resp:	21533
Ion Ratio	Lower	Upper	
212	100		
106	10.8	7.8	11.6
104	6.2	4.5	6.7

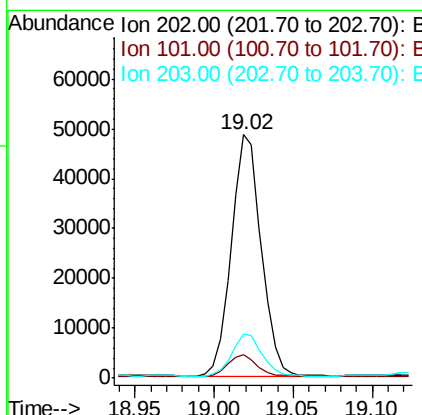
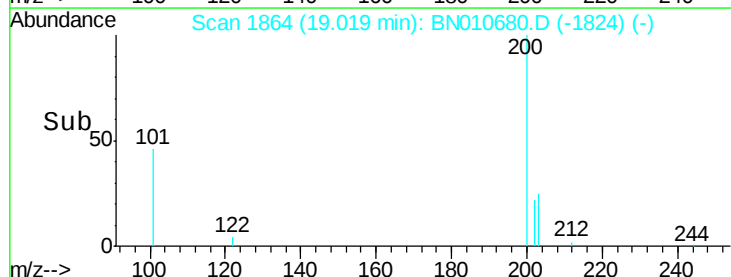
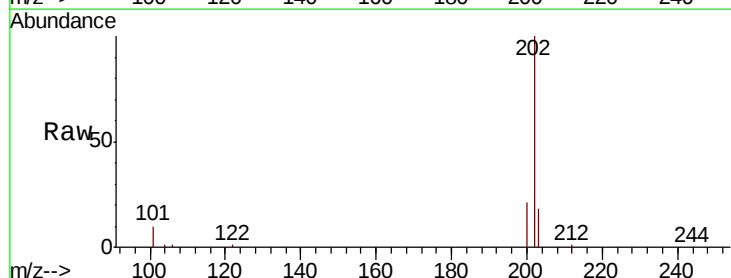
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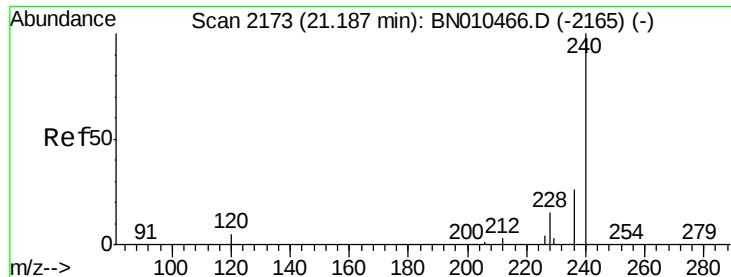
mohammad
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#26
 Fluoranthene
 Concen: 0.811 ng
 RT: 19.02 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: BN010680.D
 Acq: 30 Apr 2020 18:39

Tgt Ion:	202	Resp:	63566
Ion Ratio	Lower	Upper	
202	100		
101	9.3	6.9	10.3
203	17.4	13.9	20.9





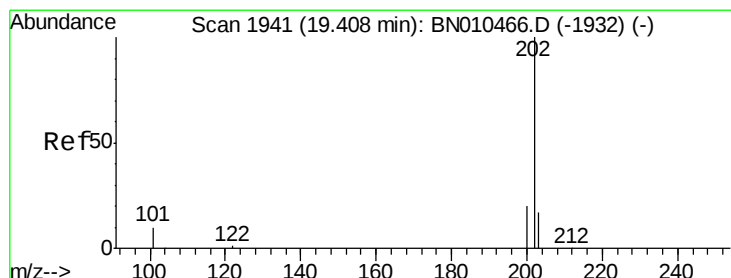
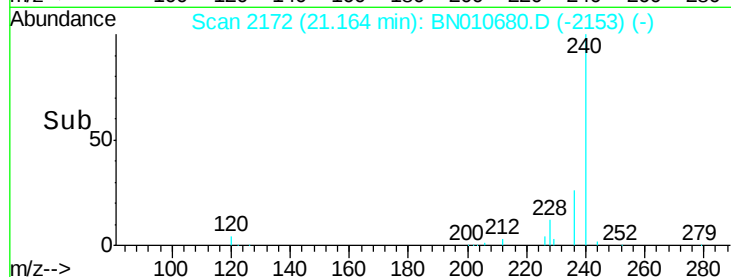
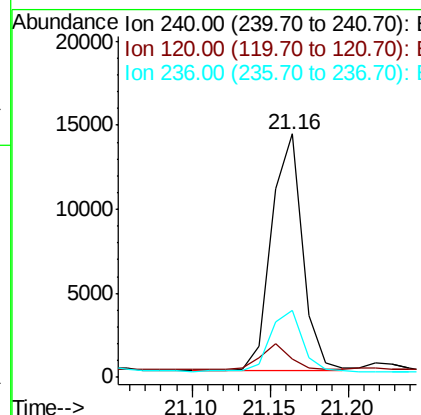
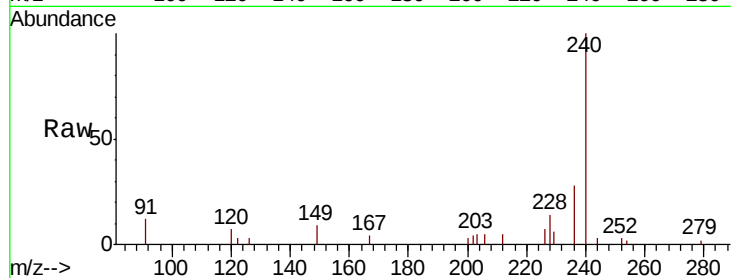
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.8	7.2#
236	27.5	21.4	32.0

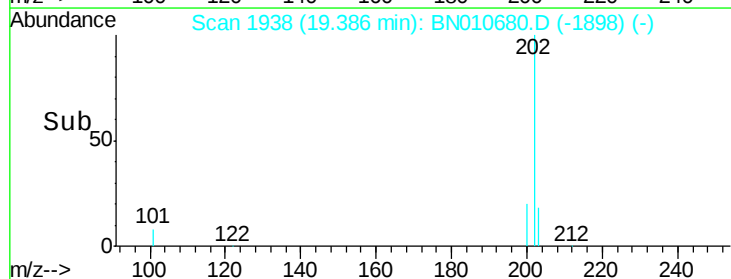
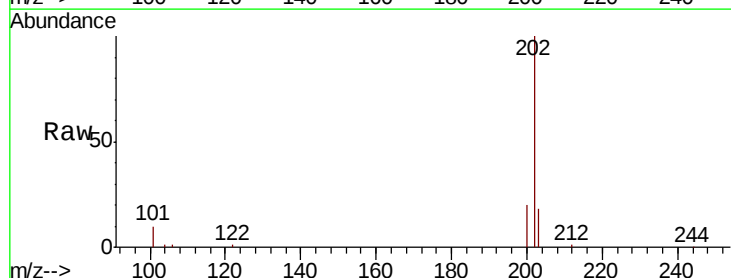
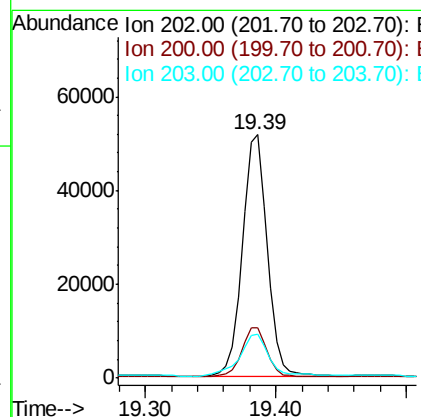
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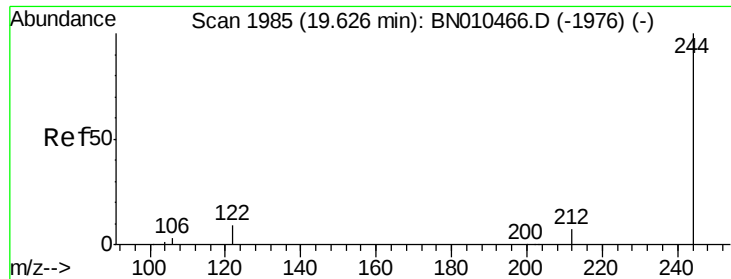
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#28
Pyrene
Concen: 1.061 ng
RT: 19.39 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	20.3	14.0	21.0





#29

Terphenyl-d14

Concen: 0.666 ng

RT: 19.60 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN010680.D

Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

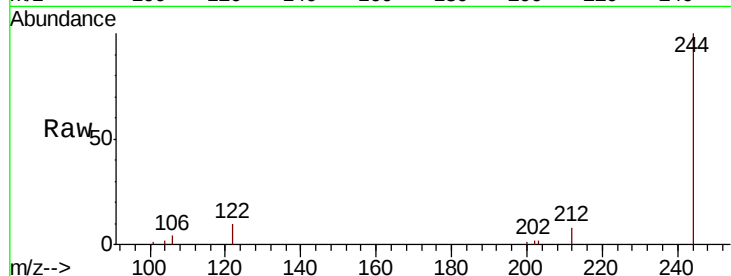
ClientSampleId :

WB-10-2

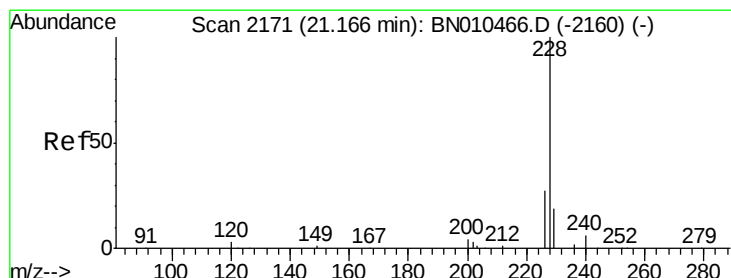
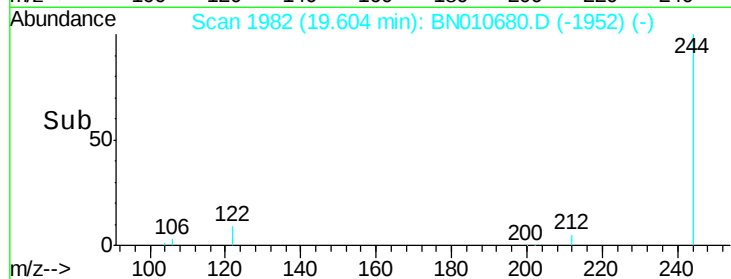
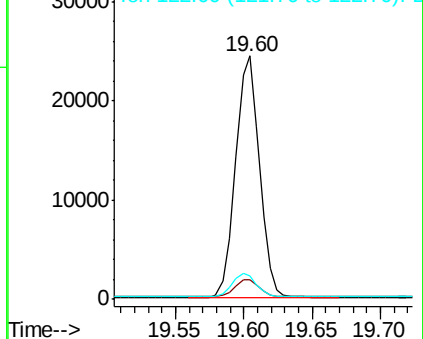
Tot Ion:	244	Resp:	29570
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.2	9.4
122	9.7	7.8	11.8

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.206 ng

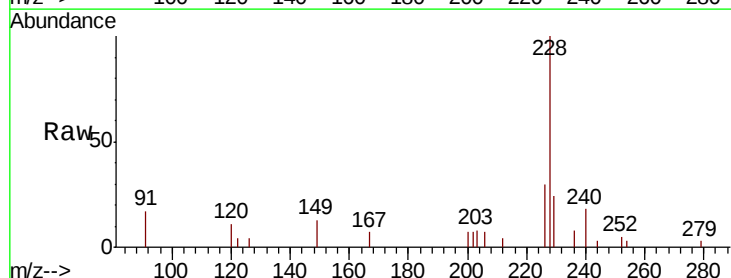
RT: 21.14 min Scan# 2170

Delta R.T. -0.00 min

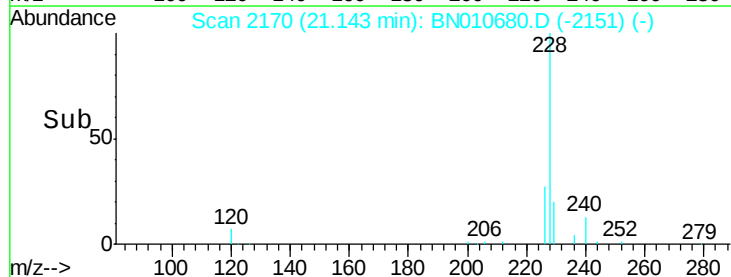
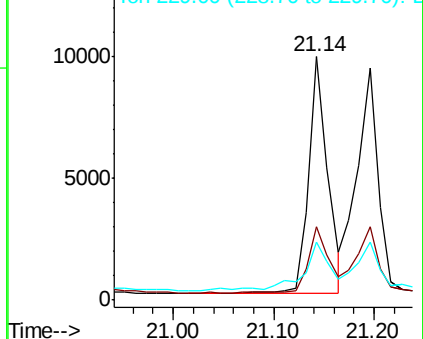
Lab File: BN010680.D

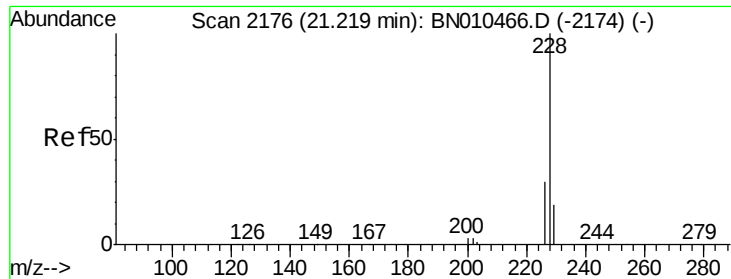
Acq: 30 Apr 2020 18:39

Tgt Ion:	228	Resp:	13054
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.7	32.5
229	23.7	15.6	23.4#



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





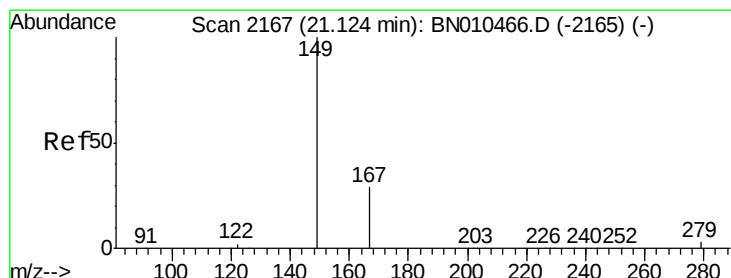
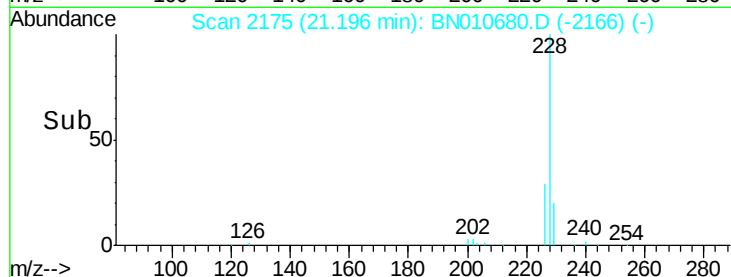
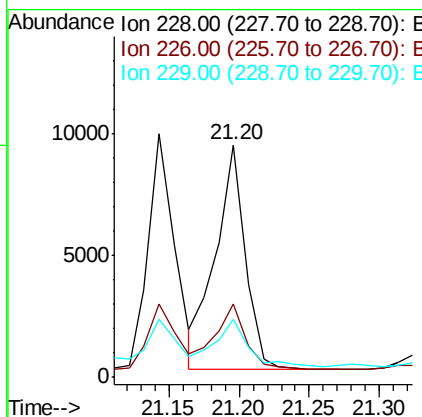
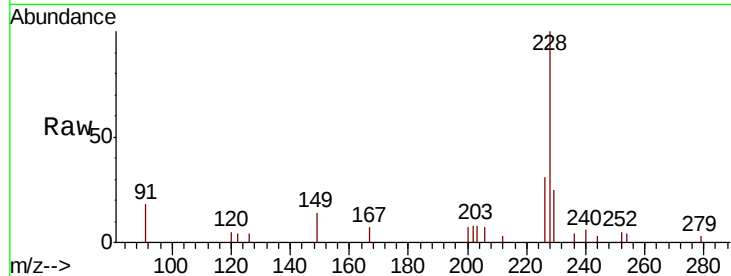
#31
Chrysene
Concen: 0.217 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampled :
WB-10-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	25.1	15.8	23.6

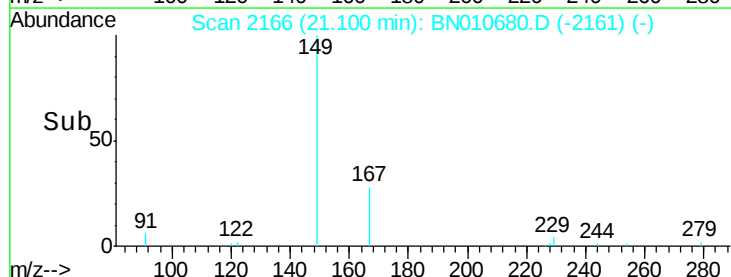
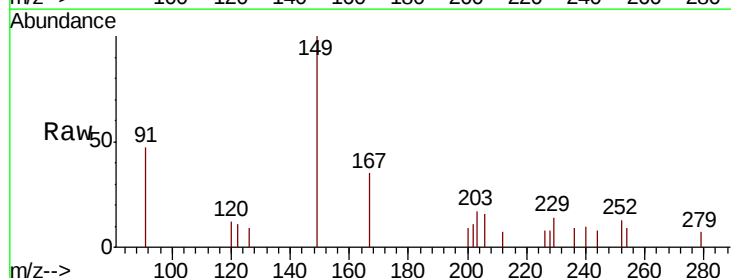
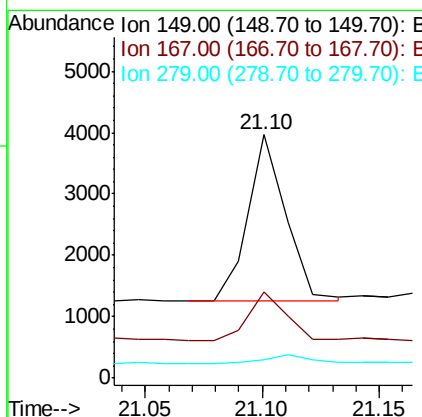
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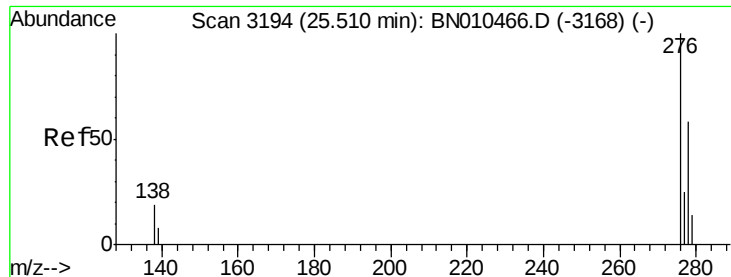
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.095 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.4	35.0
279	6.9	4.0	6.0





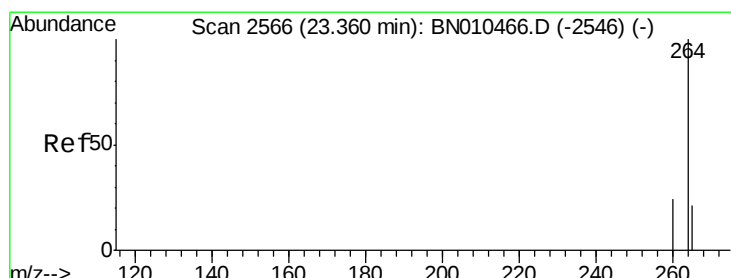
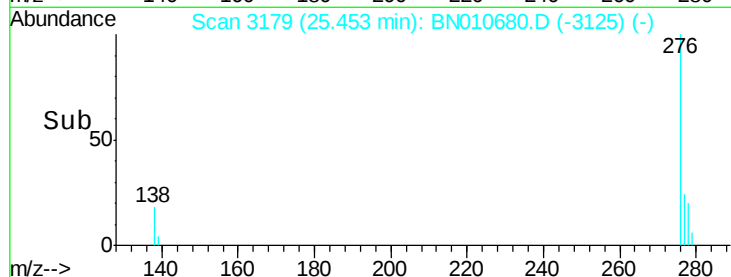
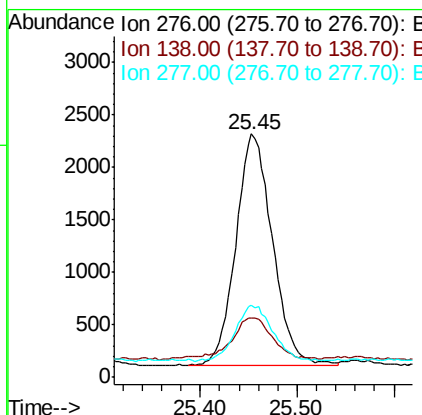
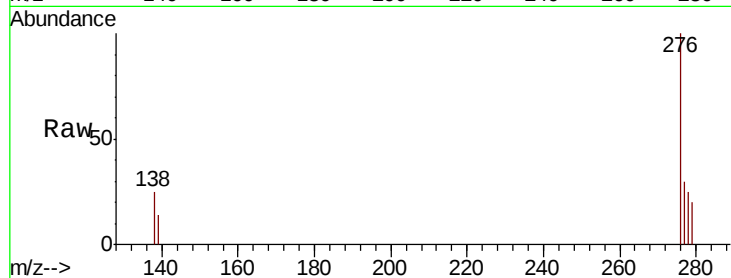
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.104 ng
RT: 25.45 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.4	24.6
277	23.8	19.8	29.6

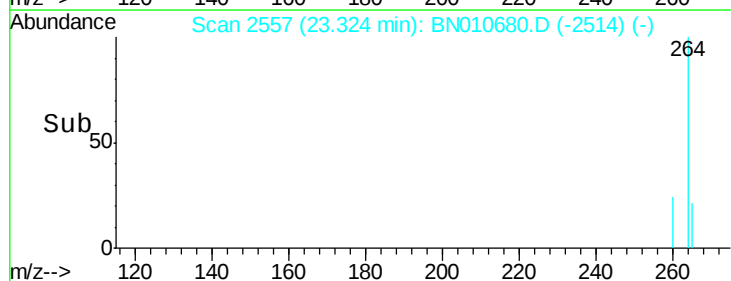
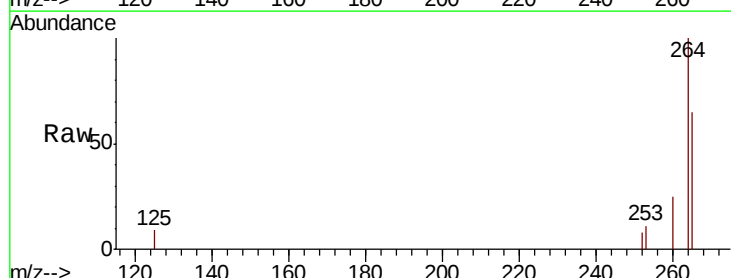
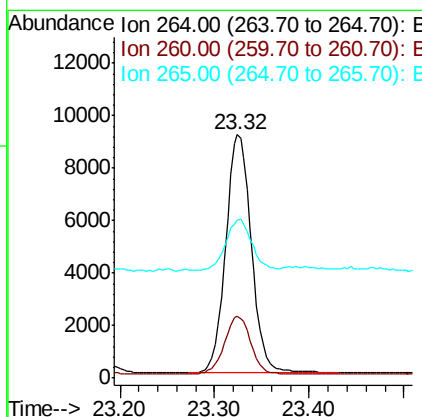
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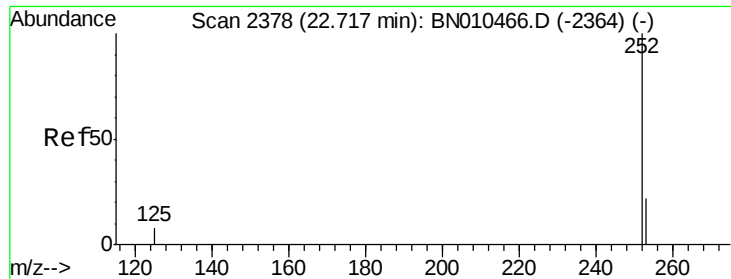
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.8
265	65.0	42.3	63.5#





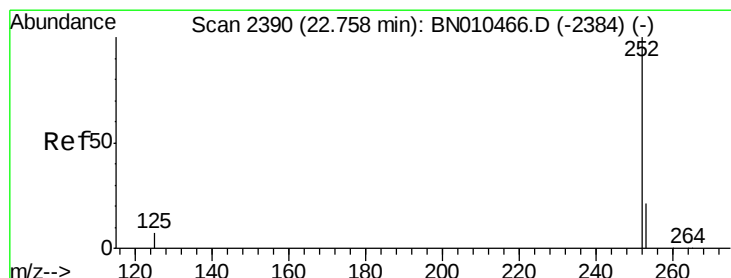
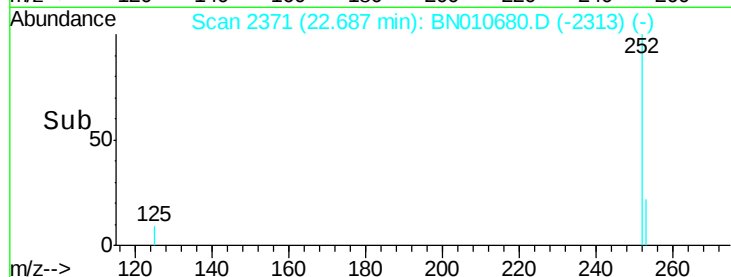
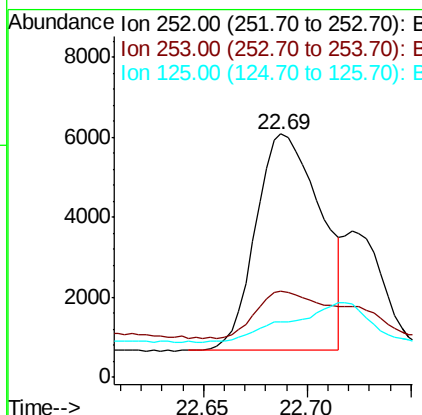
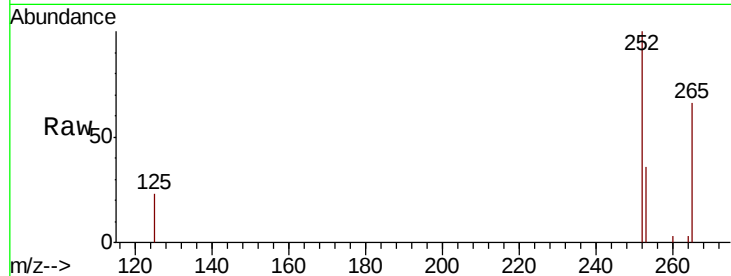
#35
Benzo(b)fluoranthene
Concen: 0.208 ng
RT: 22.69 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.6	20.2	30.4#
125	22.8	9.2	13.8#

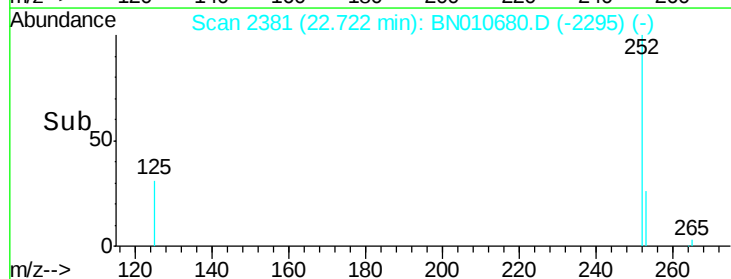
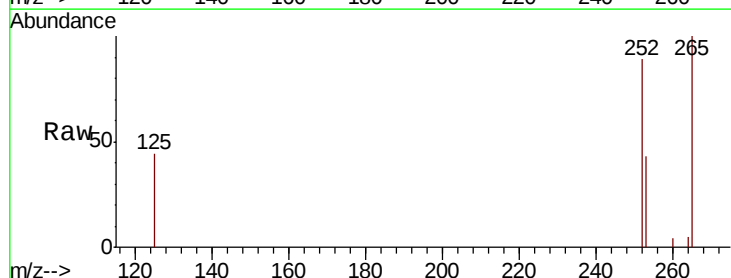
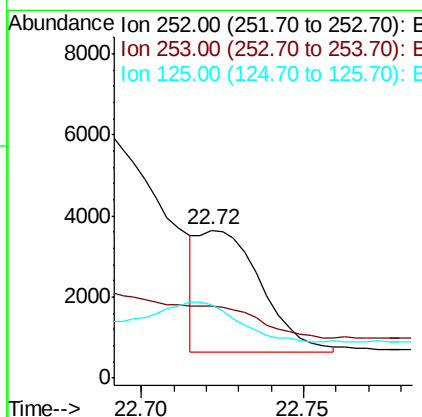
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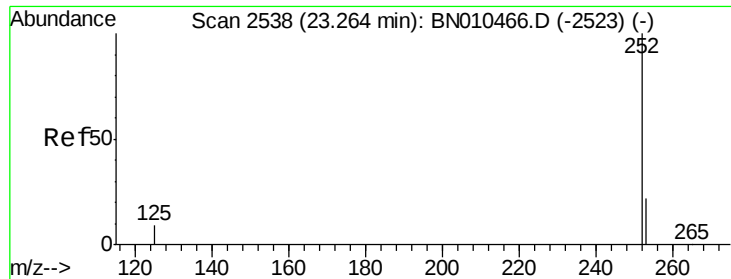
mohammad
5/4/2020 8:18:29 AM



#36
Benzo(k)fluoranthene
Concen: 0.071 ng m
RT: 22.72 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	48.4	20.1	30.1#
125	49.9	9.6	14.4#





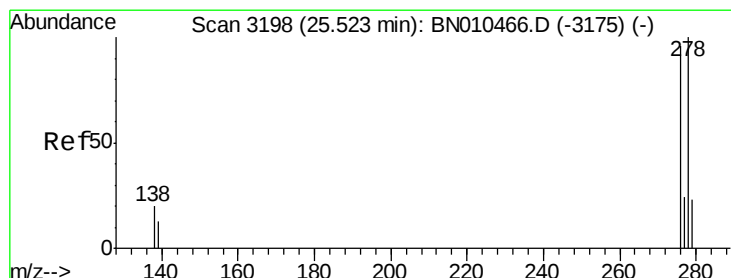
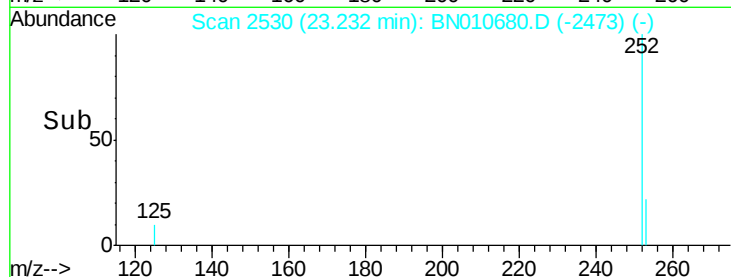
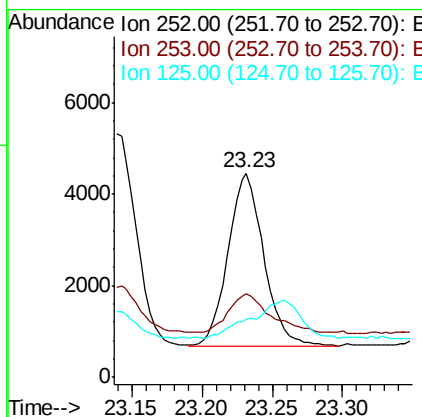
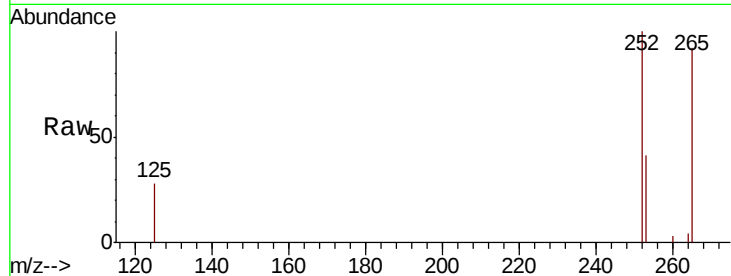
#37
Benzo(a)pyrene
Concen: 0.133 ng
RT: 23.23 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Instrument :
BNA_N
ClientSampleId :
WB-10-2

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	41.0	21.8	32.8#	
125	28.4	11.0	16.6#	

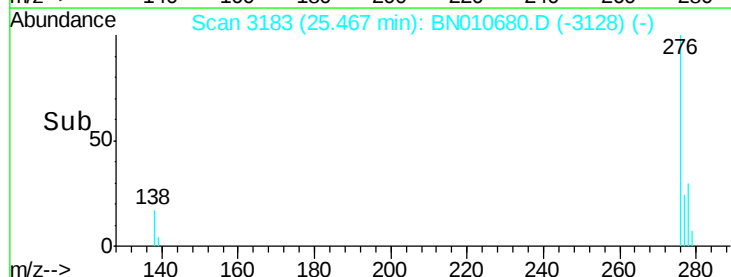
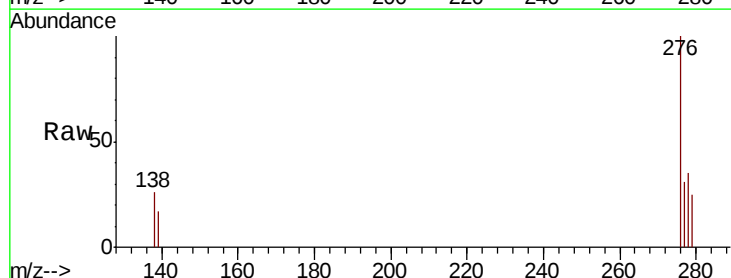
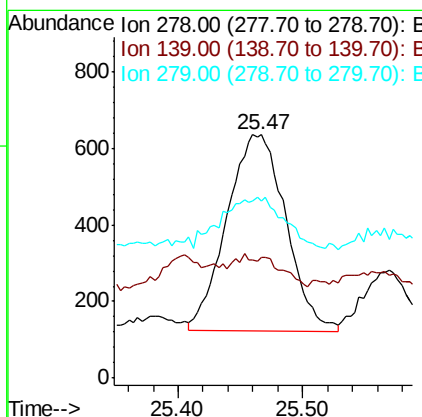
Manual Integrations
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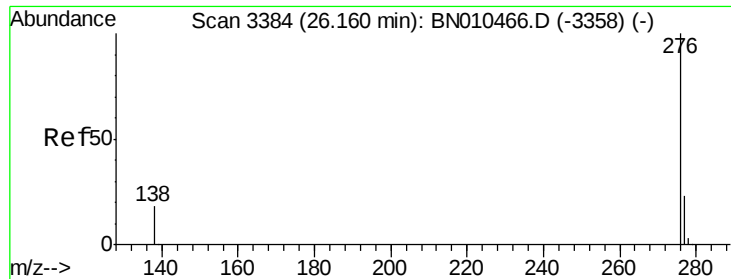
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.037 ng
RT: 25.47 min Scan# 3183
Delta R.T. -0.01 min
Lab File: BN010680.D
Acq: 30 Apr 2020 18:39

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	49.7	12.3	18.5#	
279	72.8	21.9	32.9#	





#39

Benzo(a,h,i)perylene

Concen: 0.152 ng

RT: 26.10 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BN010680.D

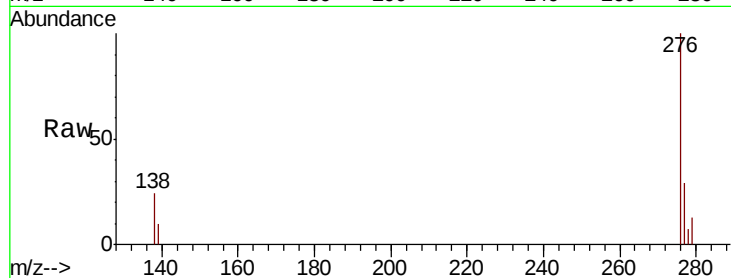
Acq: 30 Apr 2020 18:39

Instrument :

BNA_N

ClientSampleId :

WB-10-2



Tot Ion:	276	Resp:	7027
Ion Ratio	Lower	Upper	
276	100		
277	29.0	20.2	30.2
138	24.1	15.4	23.2

Manual Integrations
APPROVED

mohammad
5/4/2020 8:18:29 AM

