

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060420\
 Data File : BN010771.D
 Acq On : 04 Jun 2020 20:25
 Operator : CG/JU
 Sample : L1955-10
 Misc : MDL-W-03
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03

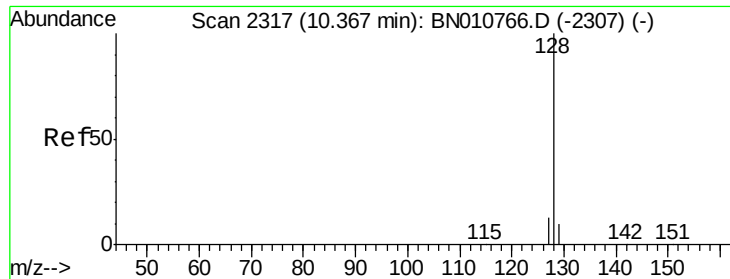
Manual Integrations
 APPROVED

mohammad
 6/5/2020 10:31:16 AM

Quant Time: Jun 05 02:29:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 02:21:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1880	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5961	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3053	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5912	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4900	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4640	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2737	0.20	ng/ul	0.01
14) Fluoranthene-d10	18.98	212	5407	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	990	0.056	ng/ul#	81
5) 2-Methylnaphthalene	12.00	142	584	0.053	ng/ul	98
7) Acenaphthylene	13.91	152	757	0.056	ng/ul#	83
8) Acenaphthene	14.26	153	621	0.054	ng/ul	94
9) Fluorene	15.26	166	654	0.052	ng/ul#	92
11) Pentachlorophenol	16.62	266	78	0.056	ng/ul#	86
12) Phenanthrene	16.99	178	1066	0.055	ng/ul#	85
13) Anthracene	17.09	178	816	0.051	ng/ul#	73
15) Fluoranthene	19.01	202	1206	0.056	ng/ul	84
17) Pyrene	19.37	202	1208	0.057	ng/ul#	87
18) Benzo(a)anthracene	21.14	228	949m	0.055	ng/ul	
19) Chrysene	21.19	228	1221	0.055	ng/ul	93
21) Benzo(b)fluoranthene	22.67	252	1106	0.054	ng/ul#	46
22) Benzo(k)fluoranthene	22.71	252	1274	0.058	ng/ul#	44
23) Benzo(a)pyrene	23.21	252	1012	0.058	ng/ul#	28
24) Indeno(1,2,3-cd)pyrene	25.44	276	1301	0.054	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.45	278	1041	0.053	ng/ul#	42
26) Benzo(g,h,i)perylene	26.07	276	1218	0.055	ng/ul#	76

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



#3

Naphthalene

Concen: 0.056 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Instrument :

BNA_N

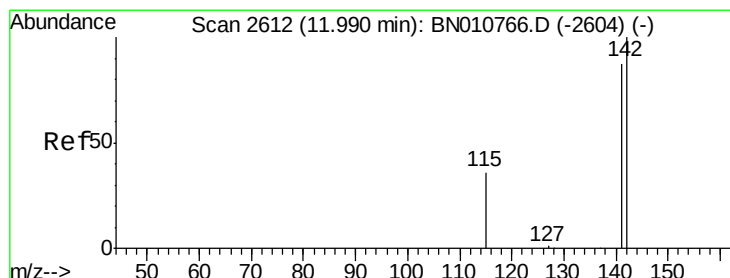
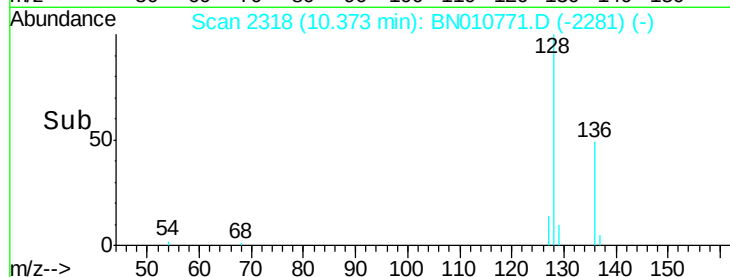
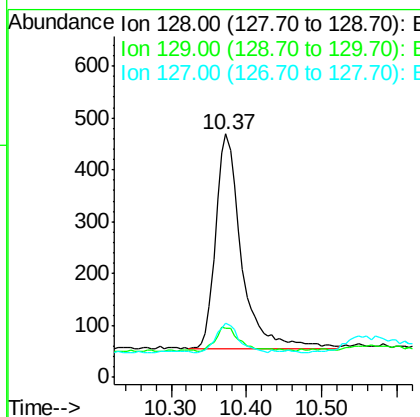
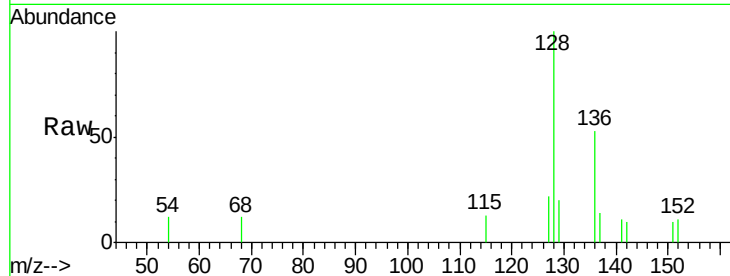
ClientSampleId :

MDL-WATER-03

Tot Ion:	128	Resp:	990
Ion Ratio	Lower	Upper	
128	100		
129	20.0	9.9	14.9#
127	22.2	11.7	17.5#

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



#5

2-Methylnaphthalene

Concen: 0.053 ng/ul

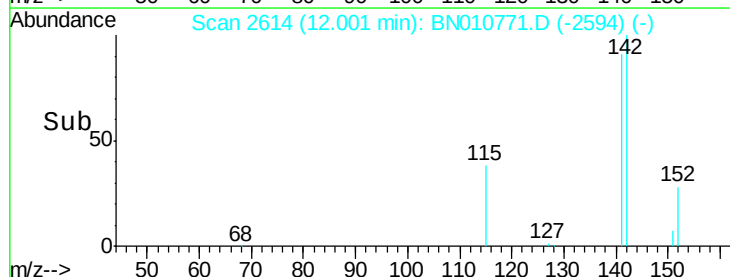
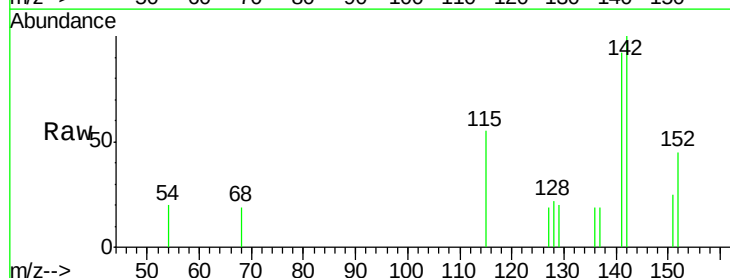
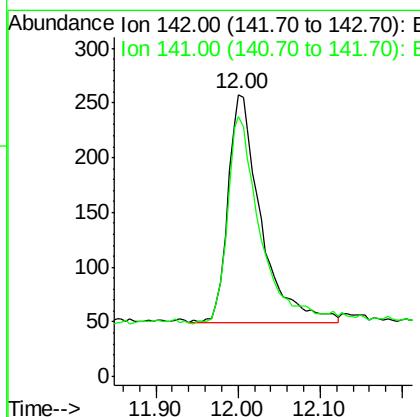
RT: 12.00 min Scan# 2614

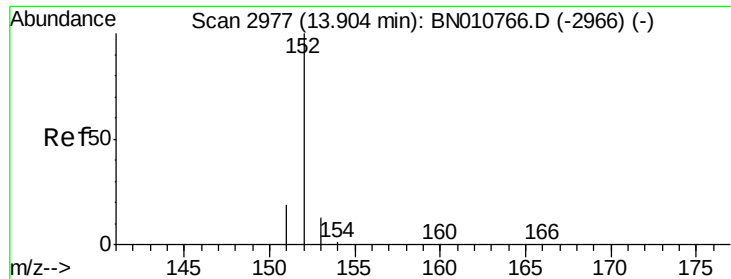
Delta R.T. 0.01 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Tgt Ion:	142	Resp:	584
Ion Ratio	Lower	Upper	
142	100		
141	92.1	72.1	108.1





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.91 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Instrument :

BNA_N

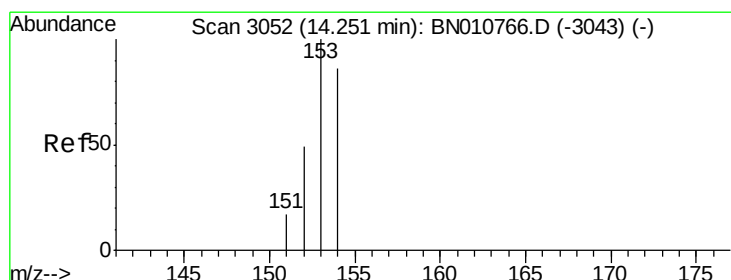
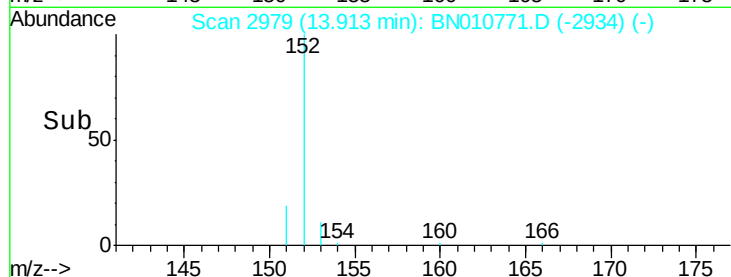
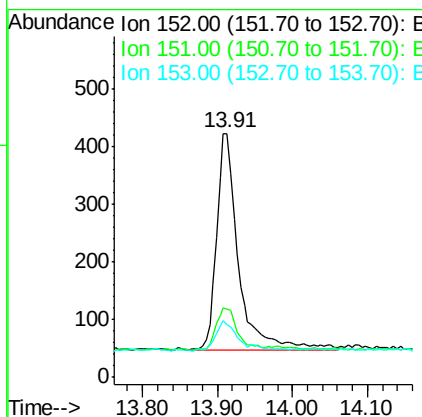
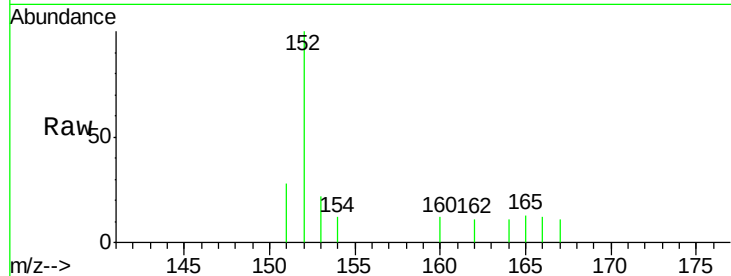
ClientSampleId :

MDL-WATER-03

Tot Ion:	152	Resp:	757
Ion Ratio	Lower	Upper	
152	100		
151	27.9	16.3	24.5#
153	21.7	11.4	17.2#

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



#8

Acenaphthene

Concen: 0.054 ng/ul

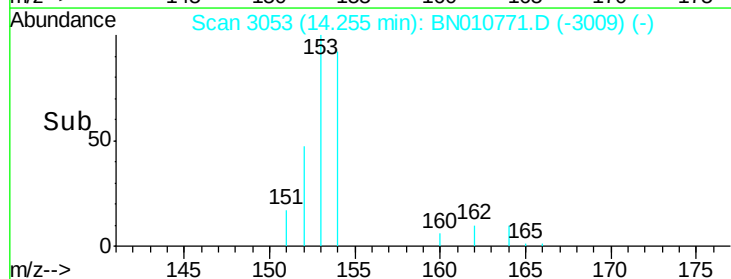
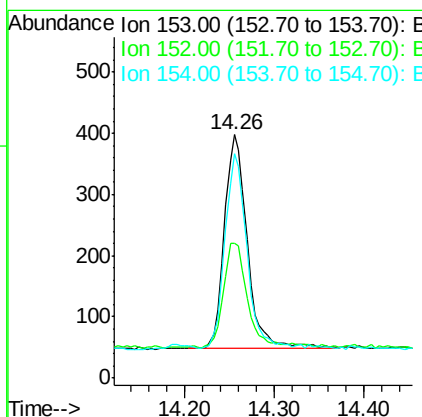
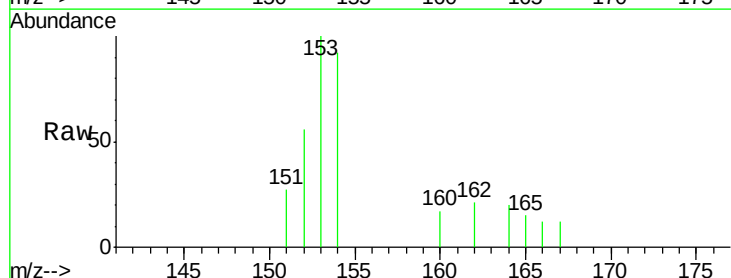
RT: 14.26 min Scan# 3053

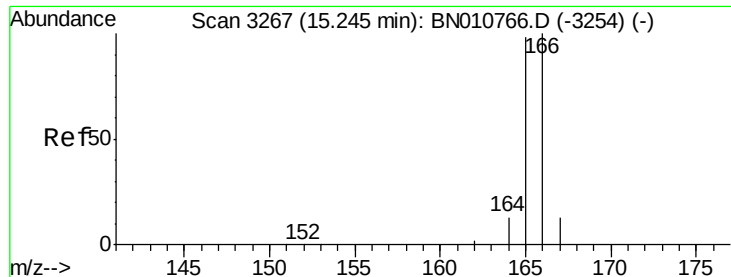
Delta R.T. 0.00 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Tgt Ion:	153	Resp:	621
Ion Ratio	Lower	Upper	
153	100		
152	55.5	40.1	60.1
154	92.2	70.6	106.0





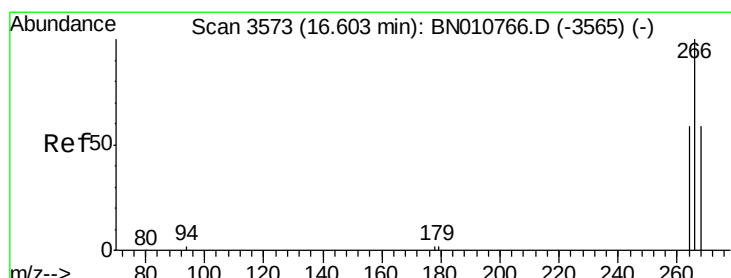
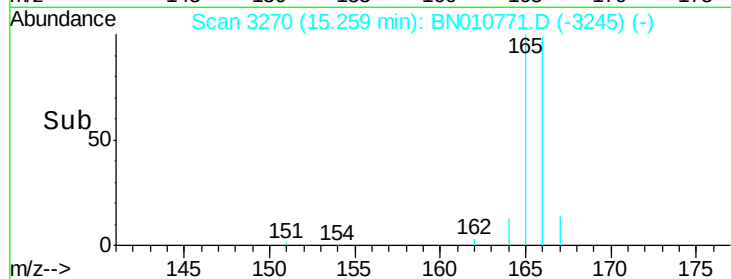
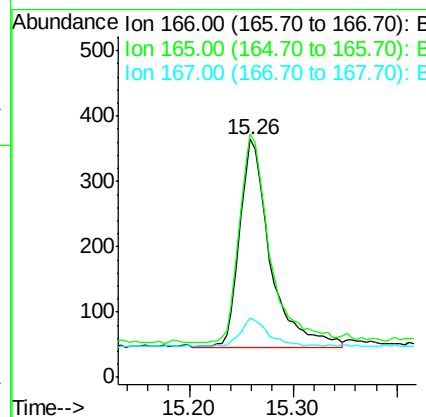
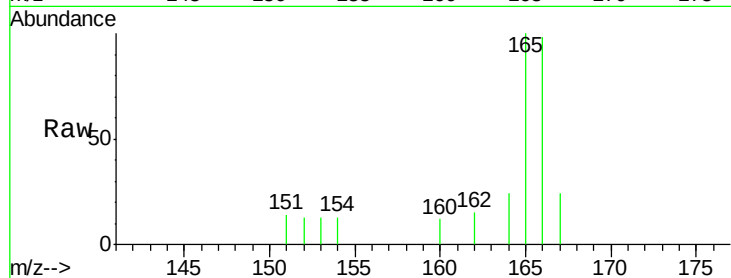
#9
Fluorene
 Concen: 0.052 ng/ul
 RT: 15.26 min Scan# 3270
 Delta R.T. 0.01 min
 Lab File: BN010771.D
 Acq: 04 Jun 2020 20:25

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.2	77.3	115.9
167	24.9	12.1	18.1

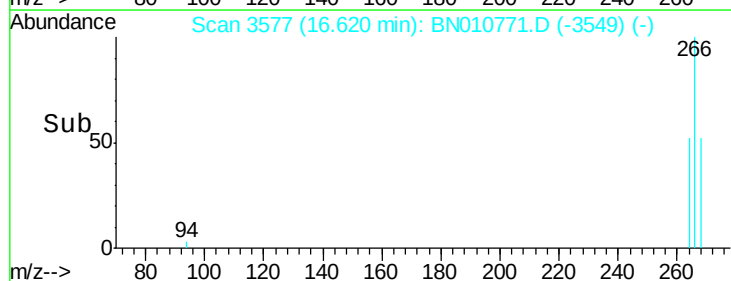
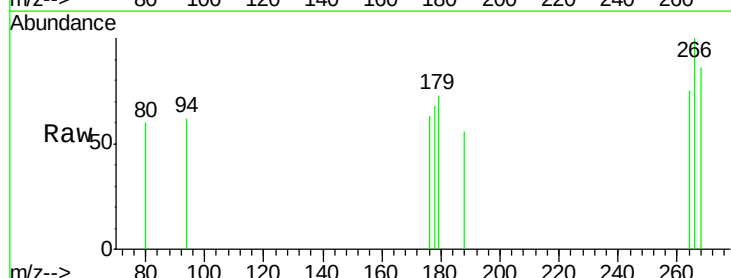
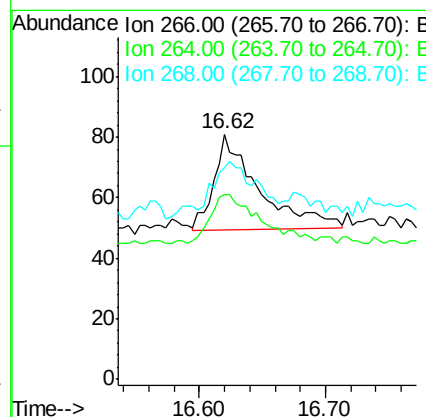
Manual Integrations
 APPROVED

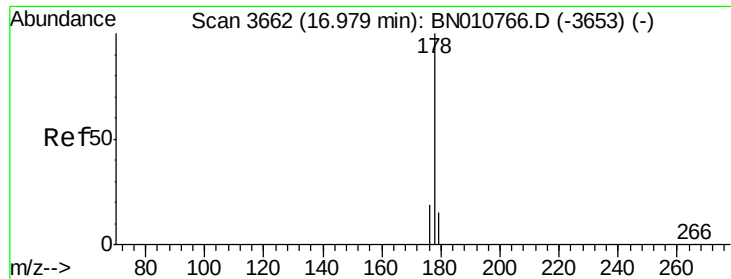
mohammad
 6/5/2020 10:31:16 AM



#11
Pentachlorophenol
 Concen: 0.056 ng/ul
 RT: 16.62 min Scan# 3577
 Delta R.T. 0.02 min
 Lab File: BN010771.D
 Acq: 04 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	56.4	50.3	75.5
268	52.6	54.8	82.2





#12

Phenanthrene

Concen: 0.055 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. 0.01 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Instrument :

BNA_N

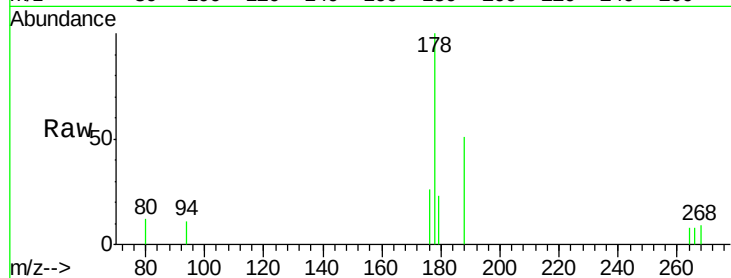
ClientSampleId :

MDL-WATER-03

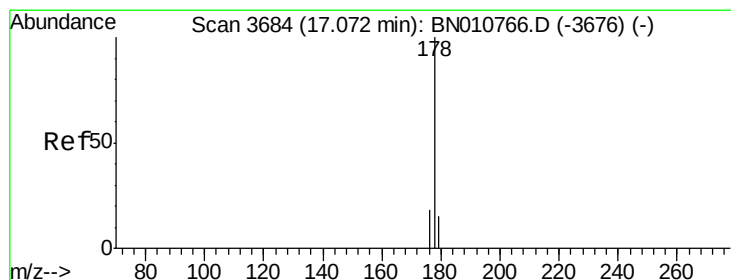
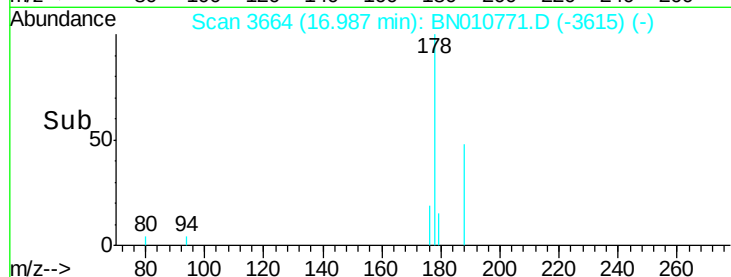
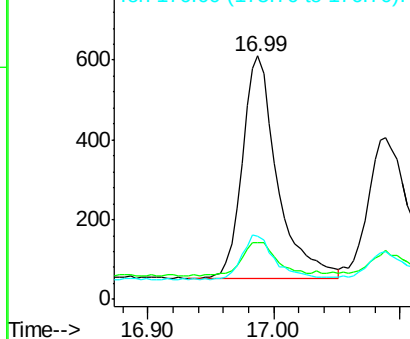
Tot Ion:	178	Resp:	1066
Ion Ratio	Lower	Upper	
178	100		
179	23.2	13.0	19.6#
176	26.0	15.8	23.8#

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.051 ng/ul

RT: 17.09 min Scan# 3688

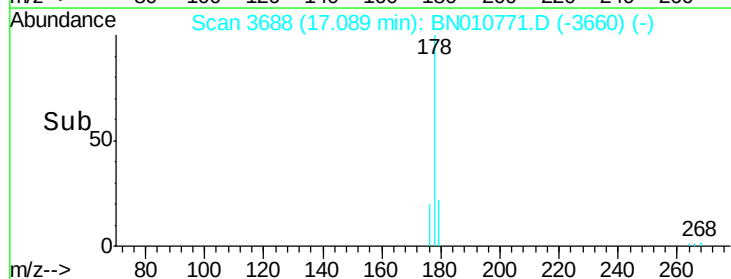
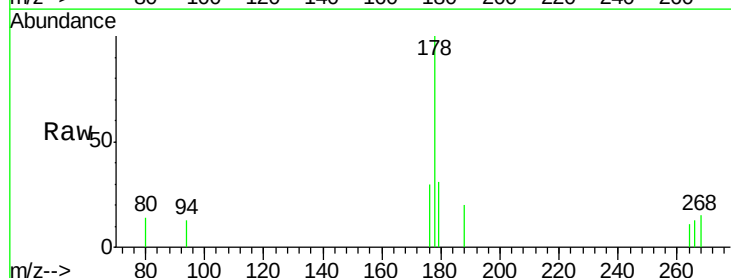
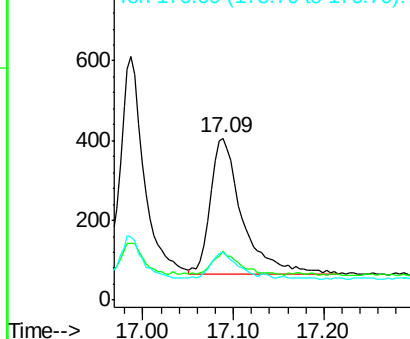
Delta R.T. 0.02 min

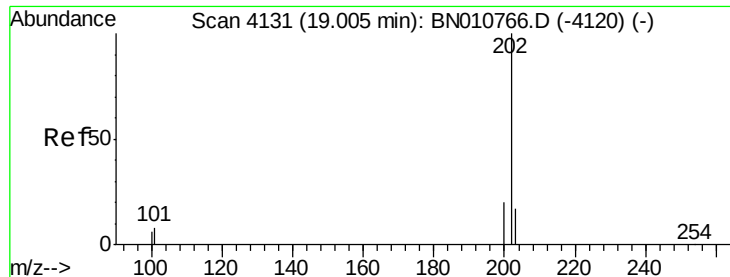
Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Tgt Ion:	178	Resp:	816
Ion Ratio	Lower	Upper	
178	100		
179	30.5	13.6	20.4#
176	29.6	15.5	23.3#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.056 ng/ul

RT: 19.01 min Scan# 4132

Delta R.T. 0.00 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Instrument :

BNA_N

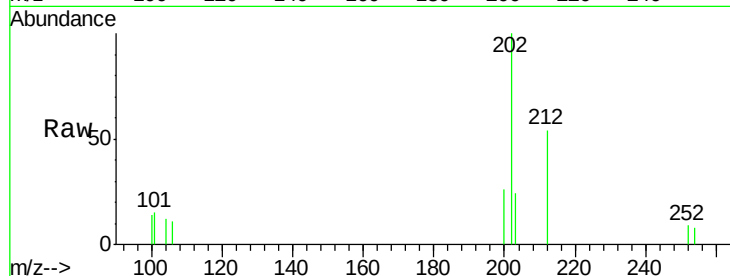
ClientSampleId :

MDL-WATER-03

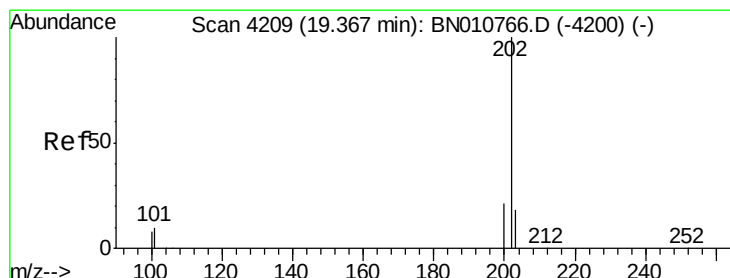
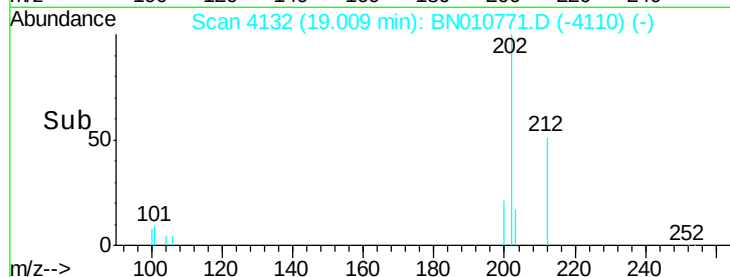
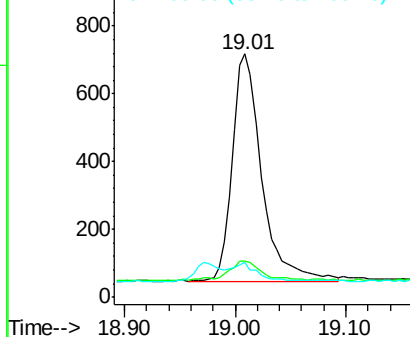
Tot Ion:	202	Resp:	1206
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	29.8
100	14.2	0.0	28.0

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.057 ng/ul

RT: 19.37 min Scan# 4210

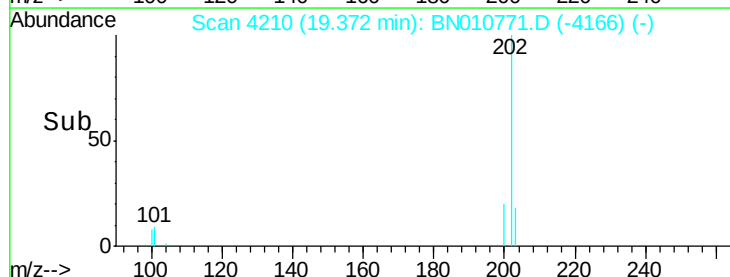
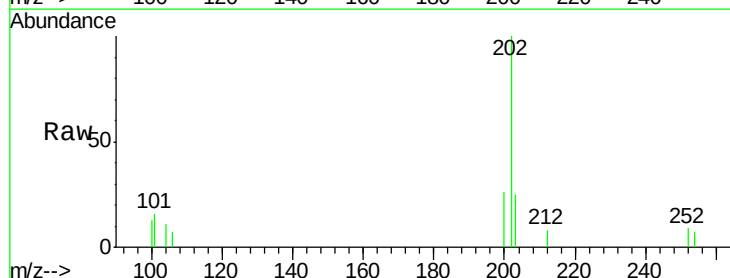
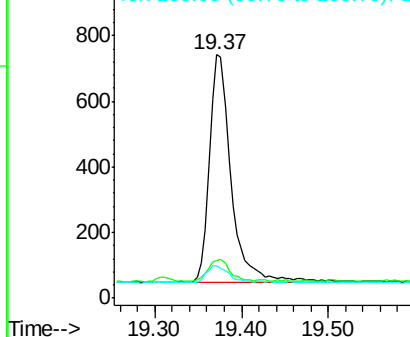
Delta R.T. 0.00 min

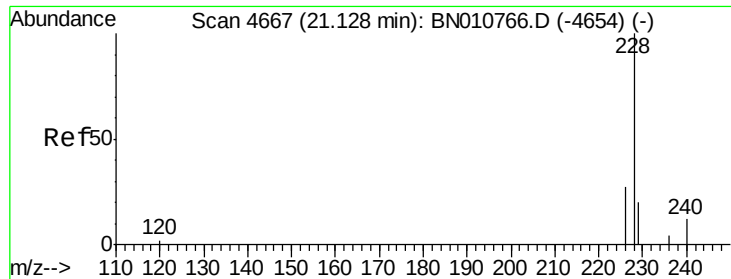
Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Tgt Ion:	202	Resp:	1208
Ion Ratio	Lower	Upper	
202	100		
101	15.6	8.6	12.8#
100	13.5	7.1	10.7#

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





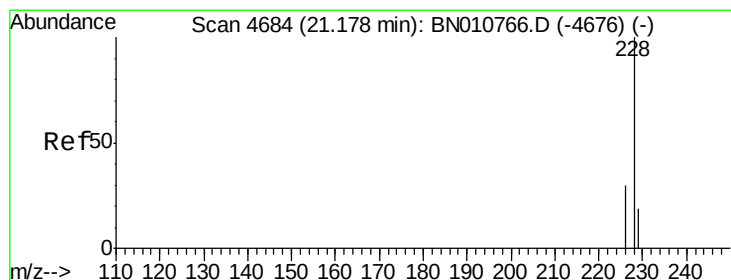
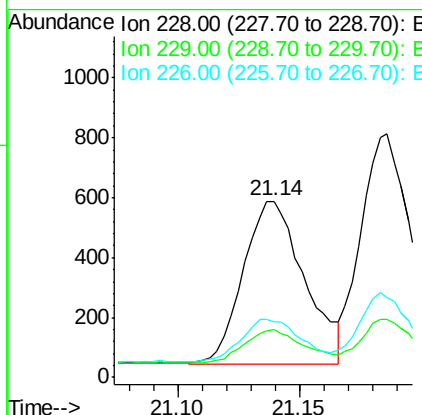
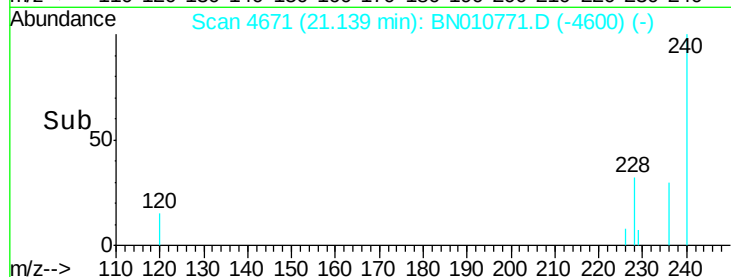
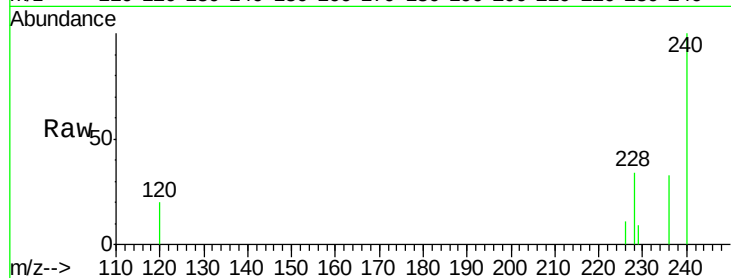
#18
Benzo(a)anthracene
Concen: 0.055 ng/ul m
RT: 21.14 min Scan# 4671
Delta R.T. 0.01 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03

Tot Ion:228 Resp: 949
Ion Ratio Lower Upper
228 100
229 27.2 16.0 24.0#
226 31.7 22.9 34.3

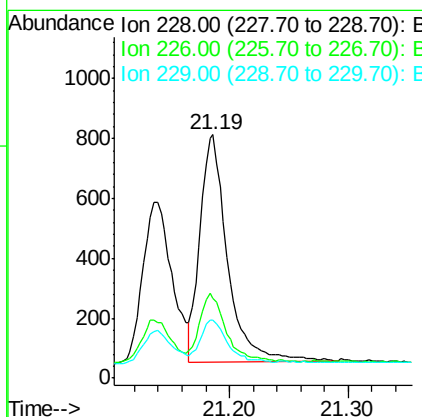
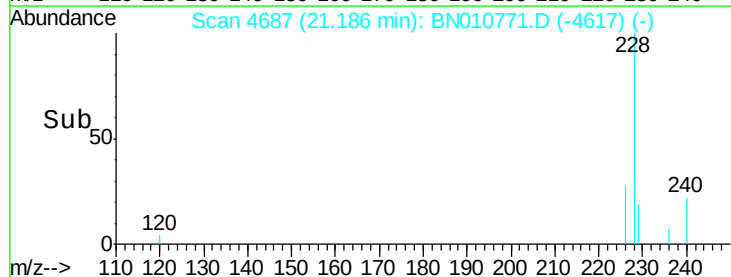
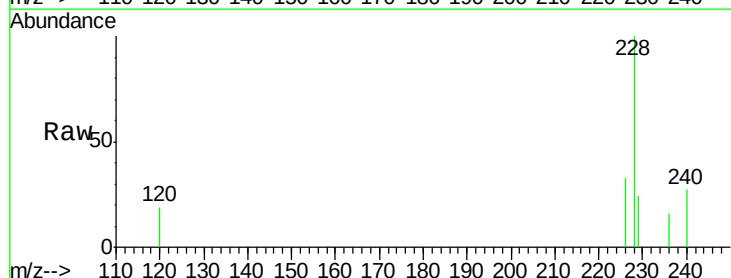
Manual Integrations
APPROVED

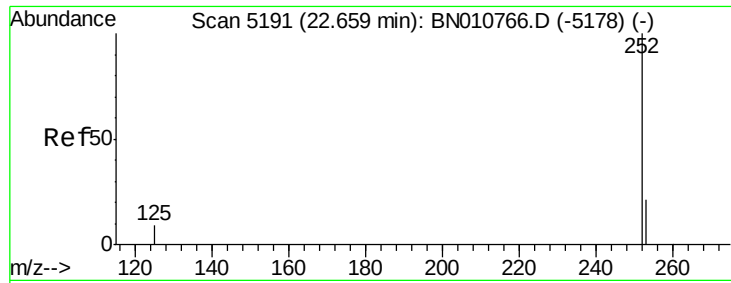
mohammad
6/5/2020 10:31:16 AM



#19
Chrysene
Concen: 0.055 ng/ul
RT: 21.19 min Scan# 4687
Delta R.T. 0.01 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Tgt Ion:228 Resp: 1221
Ion Ratio Lower Upper
228 100
226 32.8 23.7 35.5
229 23.9 16.2 24.2





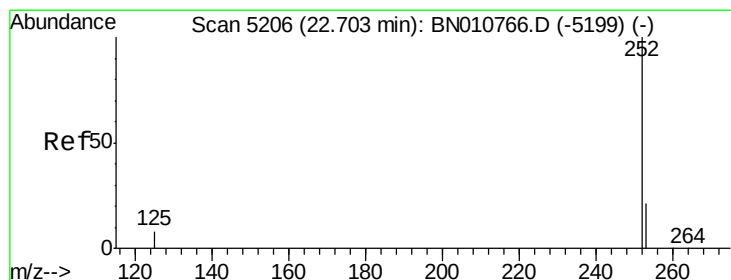
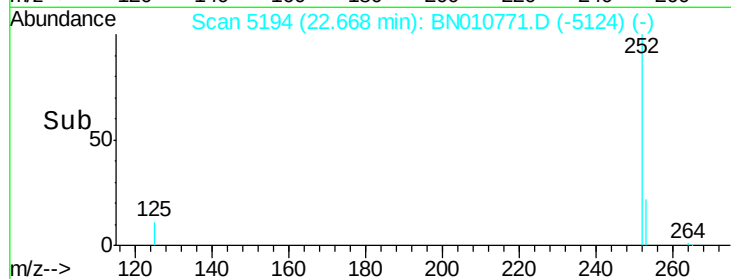
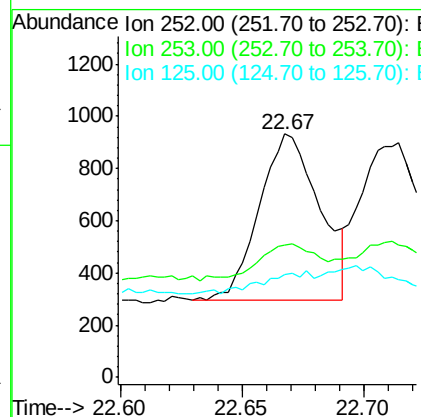
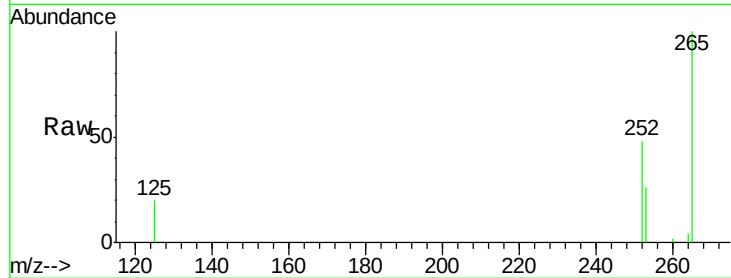
#21
Benzo(b)fluoranthene
Concen: 0.054 ng/ul
RT: 22.67 min Scan# 5194
Delta R.T. 0.01 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	54.6	0.0	57.6
125	42.1	0.0	29.4

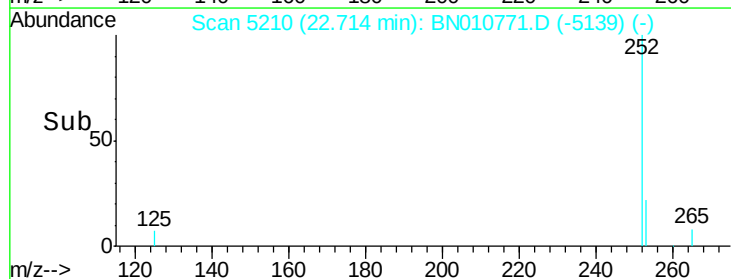
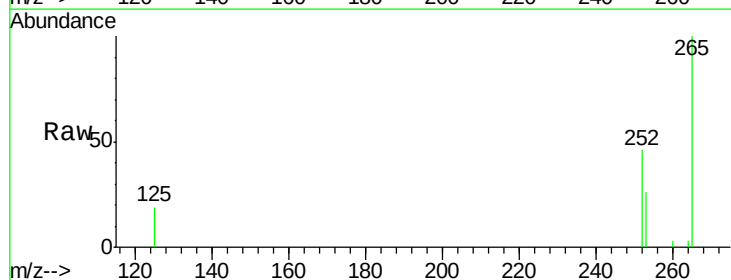
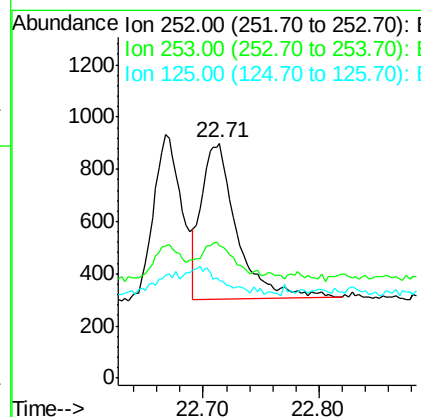
Manual Integrations
APPROVED

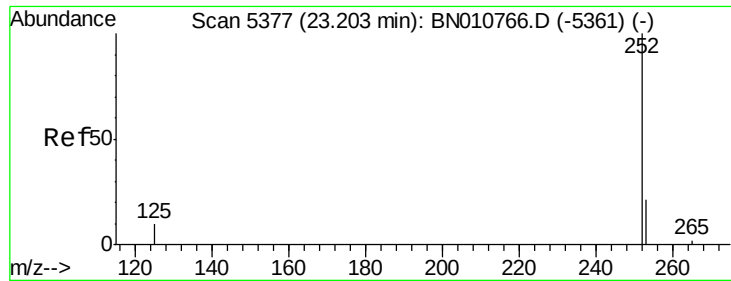
mohammad
6/5/2020 10:31:16 AM



#22
Benzo(k)fluoranthene
Concen: 0.058 ng/ul
RT: 22.71 min Scan# 5210
Delta R.T. 0.01 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.2	22.7	34.1
125	41.7	12.2	18.4





#23

Benzo(a)pyrene

Concen: 0.058 ng/ul

RT: 23.21 min Scan# 5381

Delta R.T. 0.01 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Instrument :

BNA_N

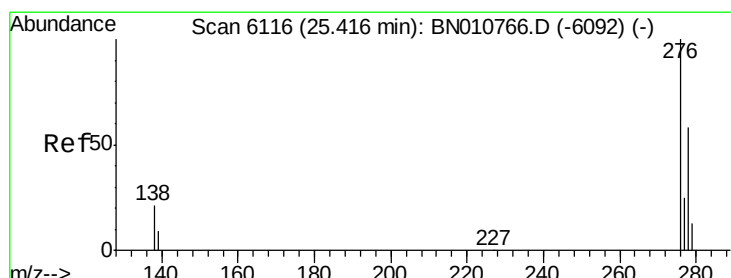
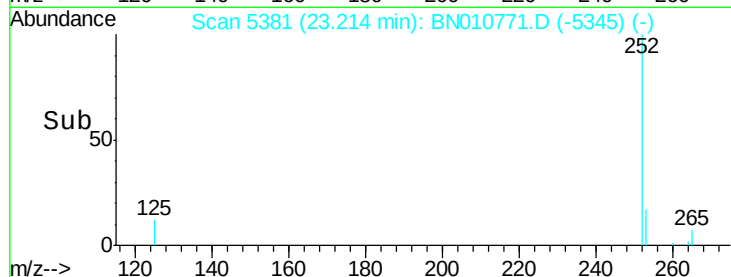
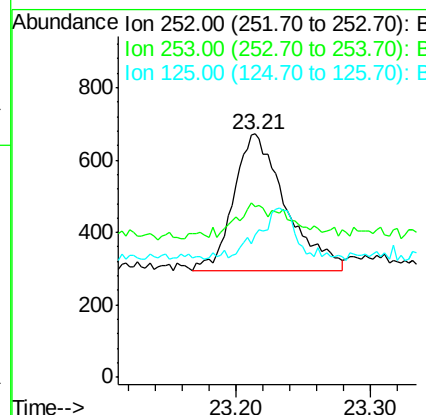
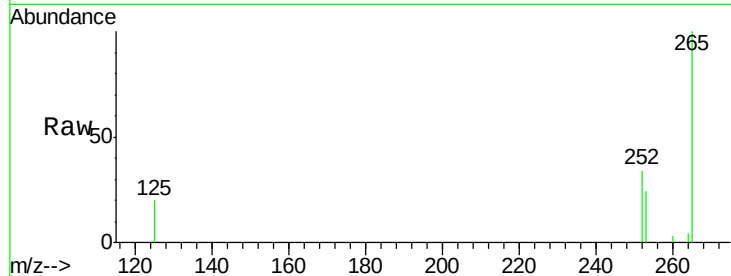
ClientSampleId :

MDL-WATER-03

Tot Ion:	252	Resp:	1012
Ion Ratio	Lower	Upper	
252	100		
253	69.9	26.3	39.5#
125	58.3	16.1	24.1#

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.054 ng/ul

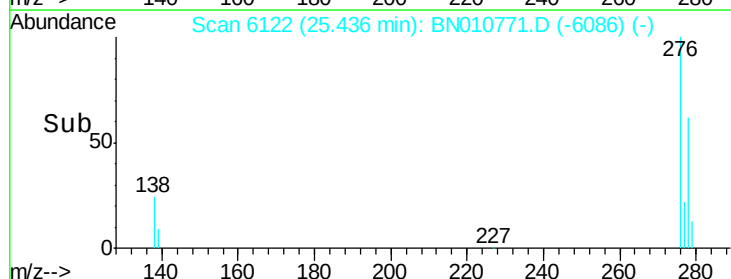
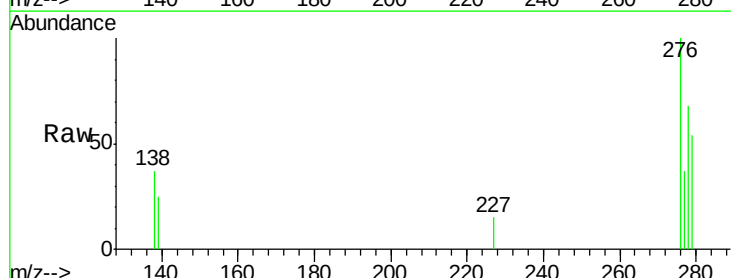
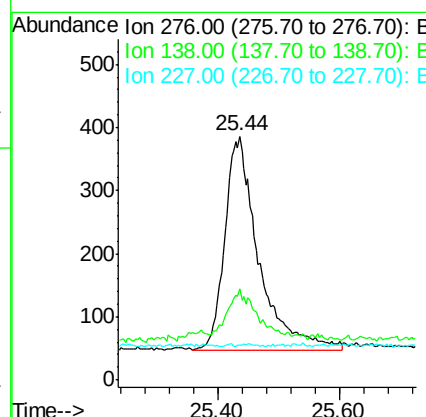
RT: 25.44 min Scan# 6122

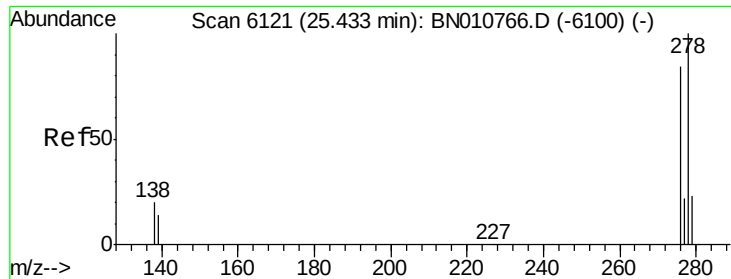
Delta R.T. 0.02 min

Lab File: BN010771.D

Acq: 04 Jun 2020 20:25

Tgt Ion:	276	Resp:	1301
Ion Ratio	Lower	Upper	
276	100		
138	21.5	17.6	26.4
227	0.2	0.1	0.1#





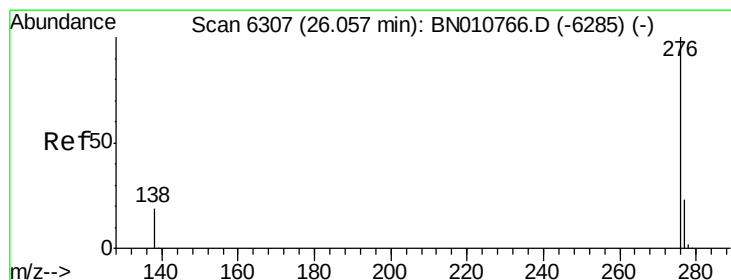
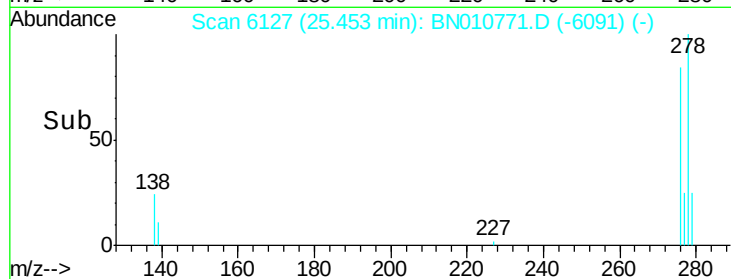
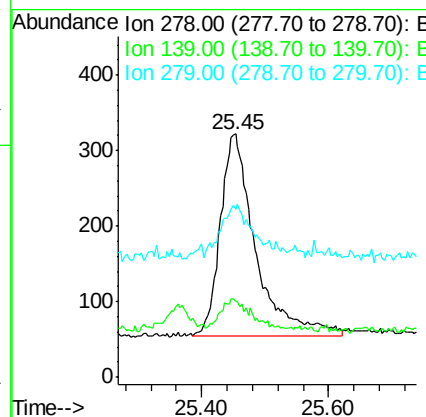
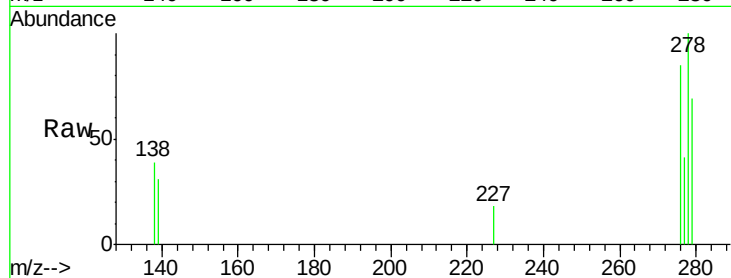
#25
Dibenzo(a,h)anthracene
Concen: 0.053 ng/ul
RT: 25.45 min Scan# 6127
Delta R.T. 0.02 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.1	13.7	20.5#
279	68.9	23.9	35.9#

Manual Integrations
APPROVED

mohammad
6/5/2020 10:31:16 AM



#26
Benzo(g,h,i)perylene
Concen: 0.055 ng/ul
RT: 26.07 min Scan# 6311
Delta R.T. 0.01 min
Lab File: BN010771.D
Acq: 04 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.4	17.5	26.3#
277	36.9	20.7	31.1#

