

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
 Data File : BN010051.D
 Acq On : 02 Mar 2020 21:51
 Operator : CG/JU
 Sample : L1619-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDW0

Manual Integrations
 APPROVED

mohammad
 3/4/2020 7:50:52 AM

Quant Time: Mar 03 02:01:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 03 01:05:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	92186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	405409	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	262298	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	528361	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	487228	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	478497	20.00	ng/ul	0.00

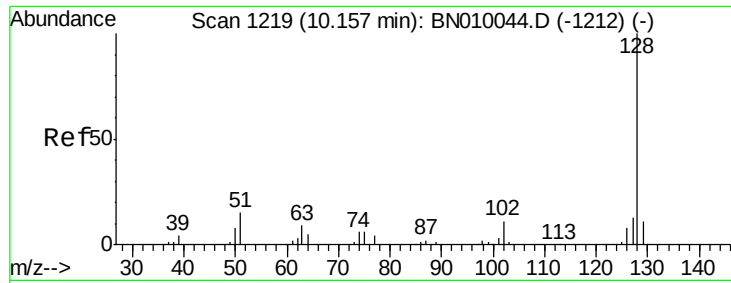
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	3467	1.55	ng/uL	0.02
5) Phenol-d5	6.58	99	60997	7.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	45612	8.43	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	49709	8.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	47217	7.57	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	24053	8.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	27058	8.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.78	165	46202	7.41	ng/ul	0.02
29) 4-Chloroaniline-d4	10.28	131	57177m	8.16	ng/ul	0.01
44) Dimethylphthalate-d6	13.43	166	174573	8.91	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	202180	8.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	14147m	3.95	ng/ul	0.04
58) Fluorene-d10	15.02	176	151909	8.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	13639	4.16	ng/ul	0.01
71) Anthracene-d10	16.87	188	223076	9.21	ng/ul	0.00
79) Pyrene-d10	19.17	212	247733	9.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	226483	9.48	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.16	128	75479	3.453	ng/ul 98
34) 2-Methylnaphthalene	11.79	142	268454	17.684	ng/ul 91
41) 1,1'-Biphenyl	12.83	154	171105	8.493	ng/ul 98
50) Acenaphthene	14.07	153	903752	52.786	ng/ul 99
54) Dibenzofuran	14.42	168	907485	37.763	ng/ul 94
59) Fluorene	15.07	166	798770	39.607	ng/ul 96
70) Phenanthrene	16.82	178	3531582	117.120	ng/ul 99
72) Anthracene	16.90	178	259644	8.423	ng/ul 100
75) Carbazole	17.19	167	51897	1.912	ng/ul 99
77) Fluoranthene	18.85	202	1983666	56.161	ng/ul 97
80) Pyrene	19.20	202	1268330	36.107	ng/ul 99
83) Benzo(a)anthracene	20.97	228	244709	7.309	ng/ul 98
85) Chrysene	21.02	228	190823	5.789	ng/ul 95
88) Benzo(b)fluoranthene	22.47	252	116034m	3.740	ng/ul
89) Benzo(k)fluoranthene	22.51	252	42898	1.460	ng/ul 98
91) Benzo(a)pyrene	22.99	252	66414	2.380	ng/ul# 94

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



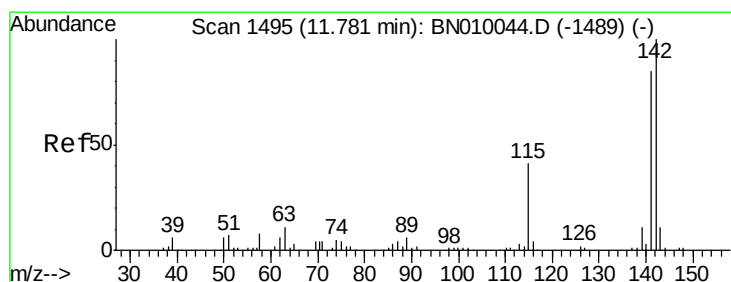
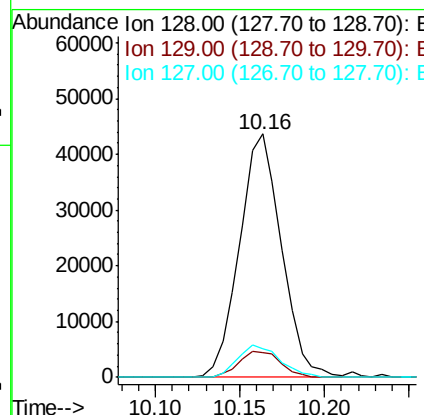
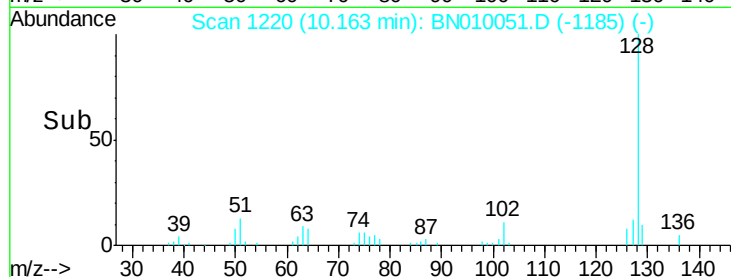
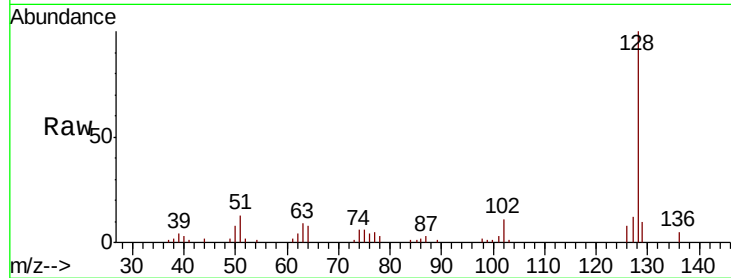
#28
Naphthalene
Concen: 3.453 ng/ul
RT: 10.16 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	11.8	10.3	15.5

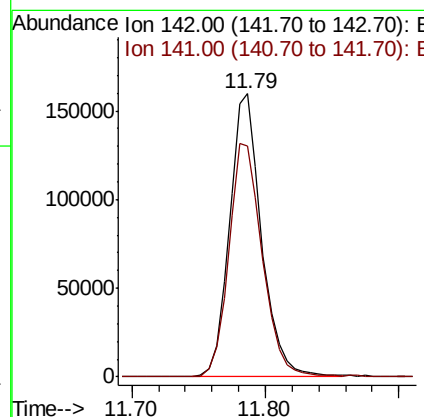
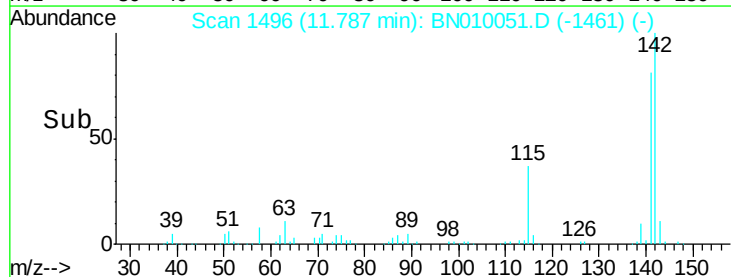
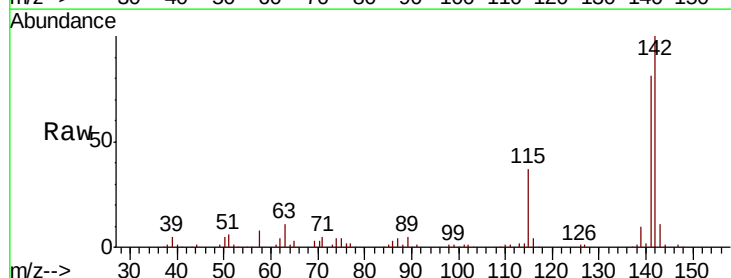
Manual Integrations
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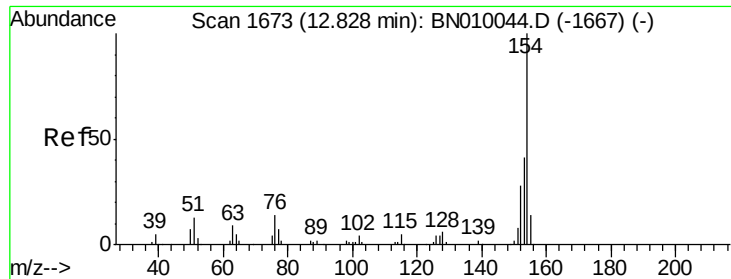
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#34
2-Methylnaphthalene
Concen: 17.684 ng/ul
RT: 11.79 min Scan# 1496
Delta R.T. 0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.4	72.1	108.1





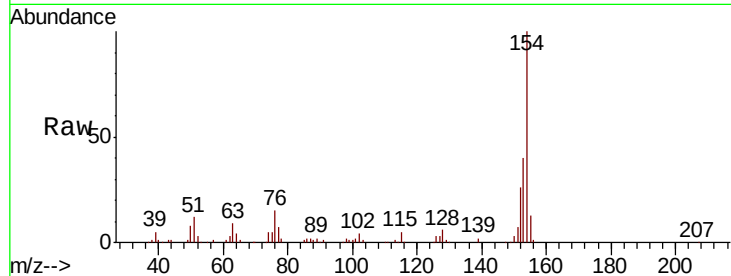
#41
 1,1'-Biphenyl
 Concen: 8.493 ng/ul
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

Instrument :
 BNA_N
 ClientSampleId :
 DBDW0

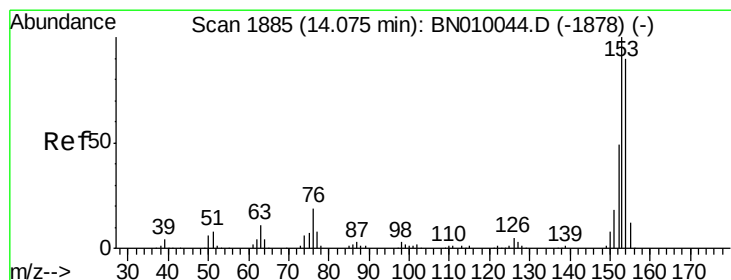
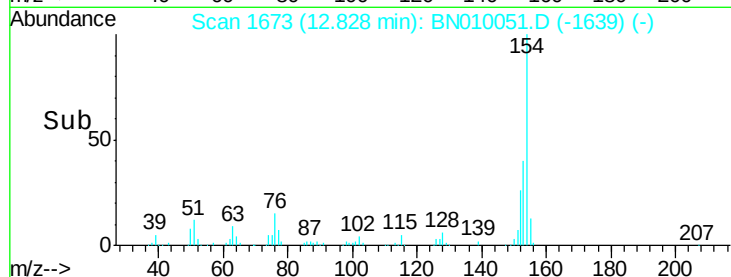
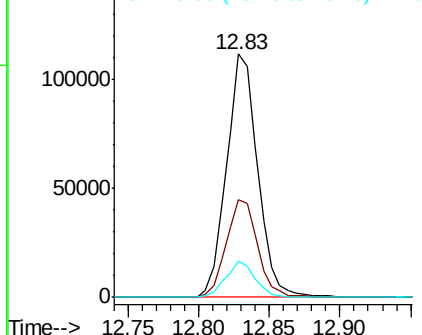
Tot Ion:	154	Resp:	171105
Ion Ratio	Lower	Upper	
154	100		
153	40.3	33.2	49.8
76	14.7	11.0	16.4

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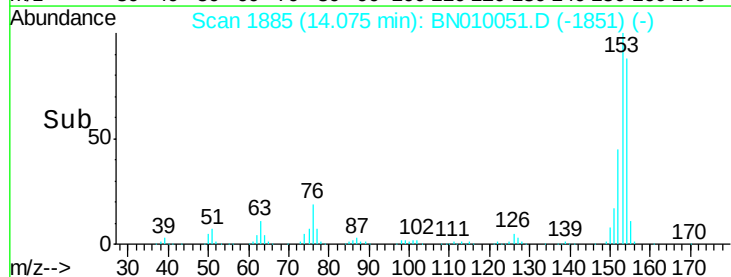
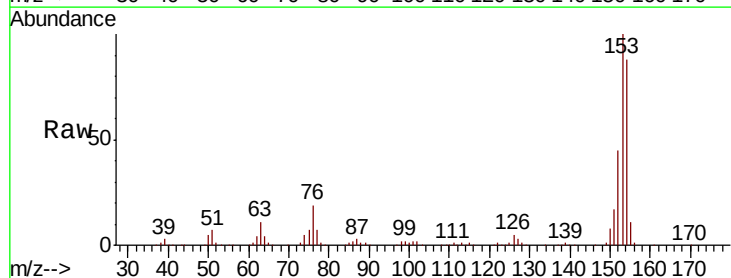
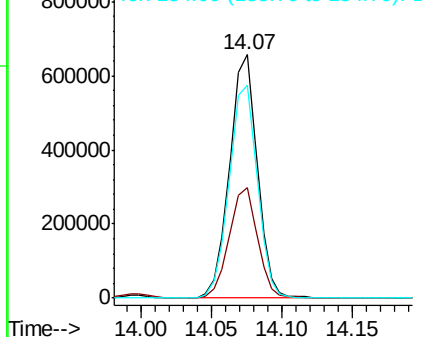
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

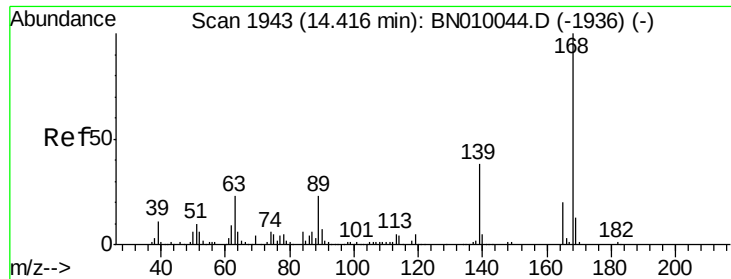


#50
 Acenaphthene
 Concen: 52.786 ng/ul
 RT: 14.07 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

Tgt Ion:	153	Resp:	903752
Ion Ratio	Lower	Upper	
153	100		
152	45.3	36.6	54.8
154	87.5	70.6	106.0

Abundance Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E
 Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 37.763 ng/ul

RT: 14.42 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

Instrument :

BNA_N

ClientSampleId :

DBDW0

Tot Ion:168 Resp: 907485

Ion Ratio Lower Upper

168 100

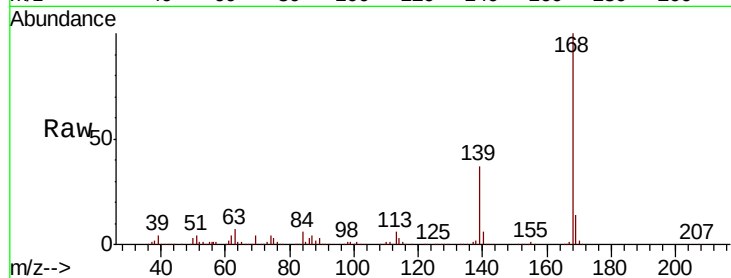
139 37.4 32.7 49.1

Manual Integrations

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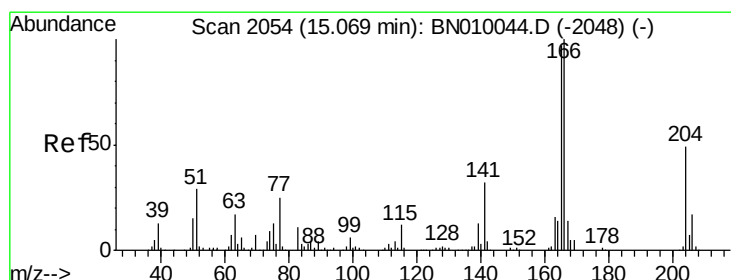
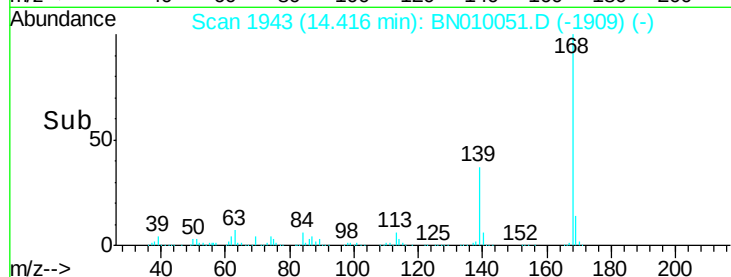
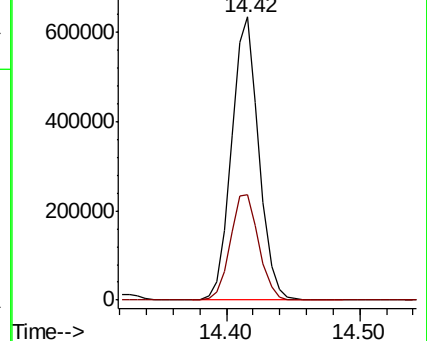
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 39.607 ng/ul

RT: 15.07 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

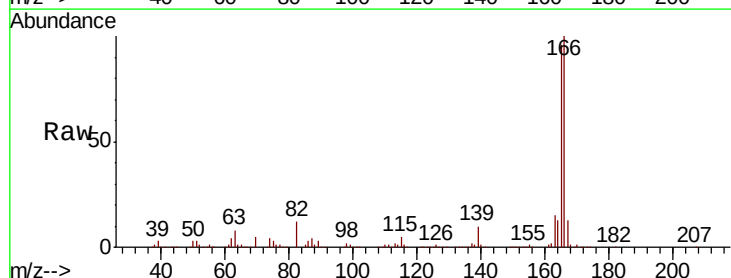
Tgt Ion:166 Resp: 798770

Ion Ratio Lower Upper

166 100

165 95.8 79.8 119.8

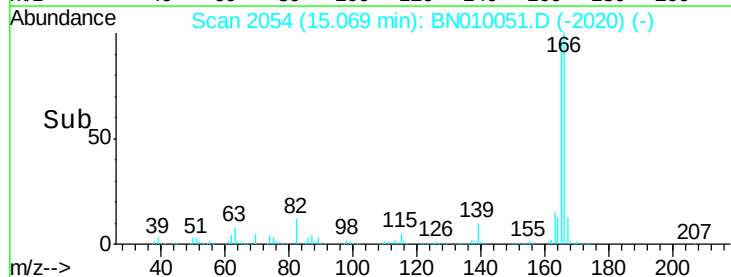
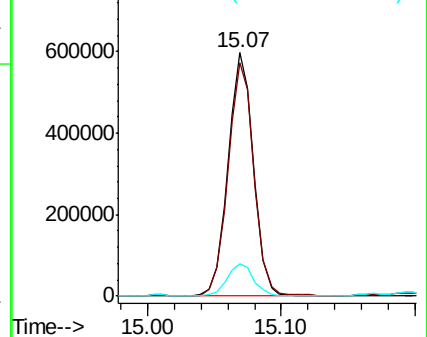
167 13.3 10.7 16.1

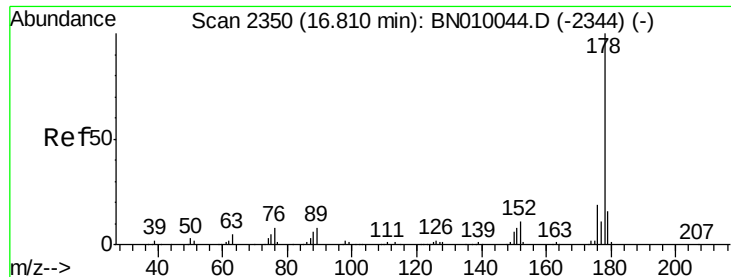


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





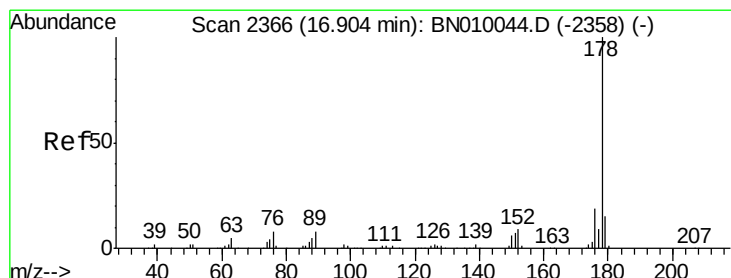
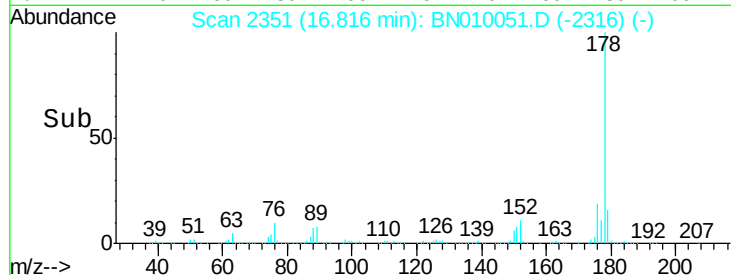
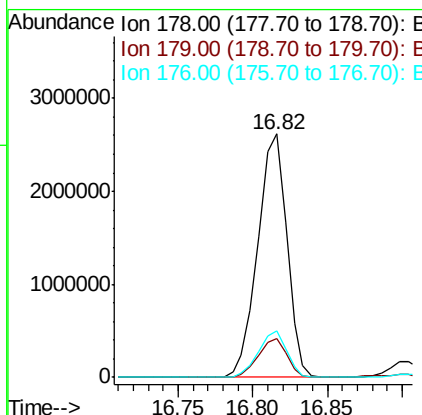
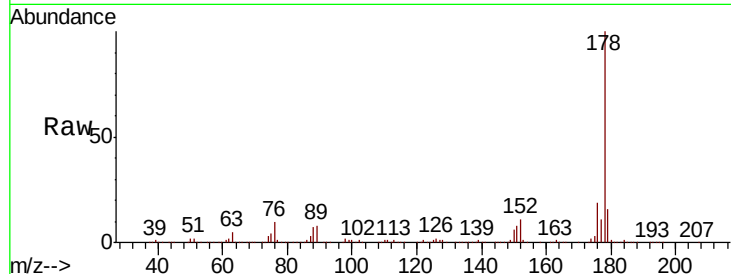
#70
Phenanthrene
Concen: 117.120 ng/ul
RT: 16.82 min Scan# 2351
Delta R.T. 0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.5	18.7
176	19.0	14.6	22.0

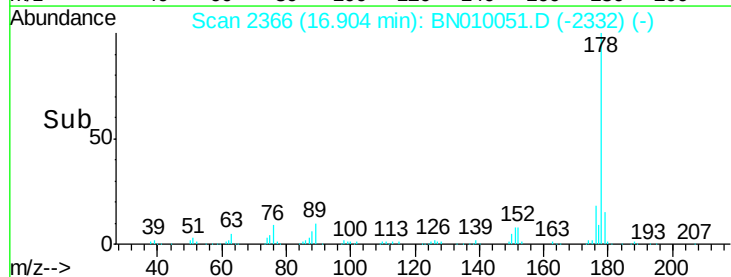
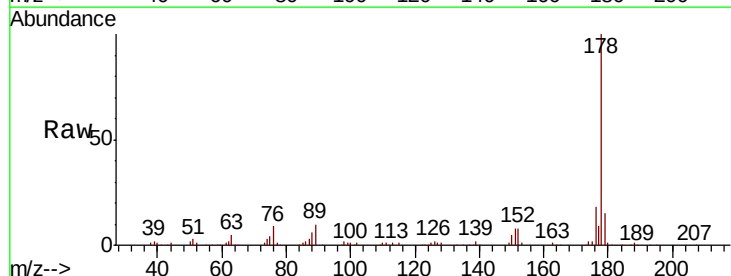
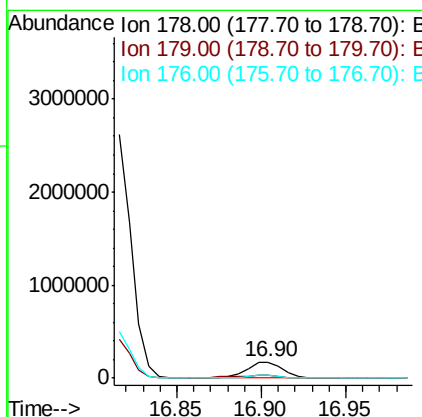
Manual Integrations
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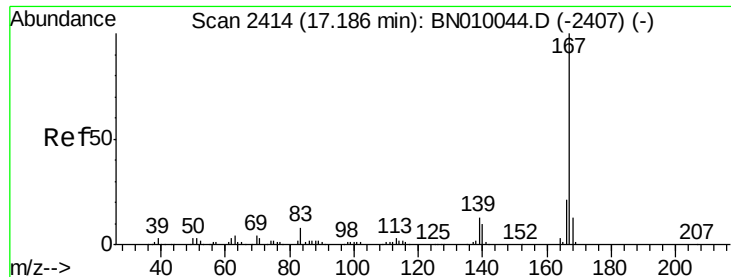
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#72
Anthracene
Concen: 8.423 ng/ul
RT: 16.90 min Scan# 2366
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.1	14.6	21.8





#75

Carbazole

Concen: 1.912 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

Instrument :

BNA_N

ClientSampleId :

DBDW0

Tot Ion:167 Resp: 51897

Ion Ratio Lower Upper

167 100

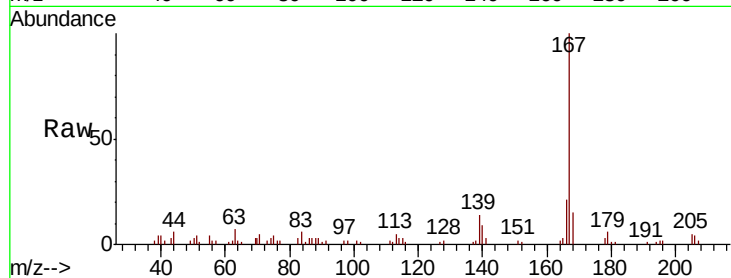
166 20.6 16.6 24.8

139 13.5 9.9 14.9

Manual Integrations
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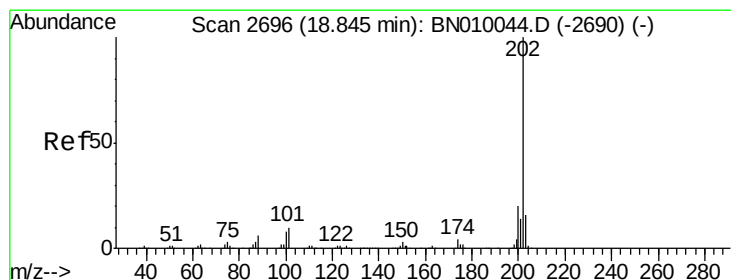
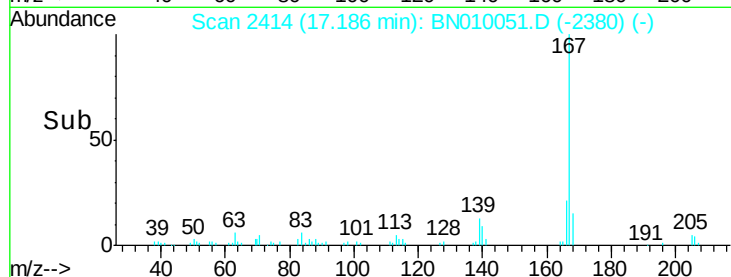
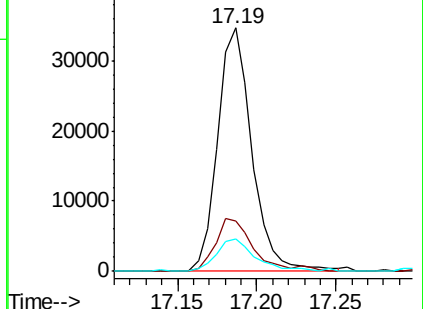
3/4/2020 7:50:52 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 56.161 ng/ul

RT: 18.85 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

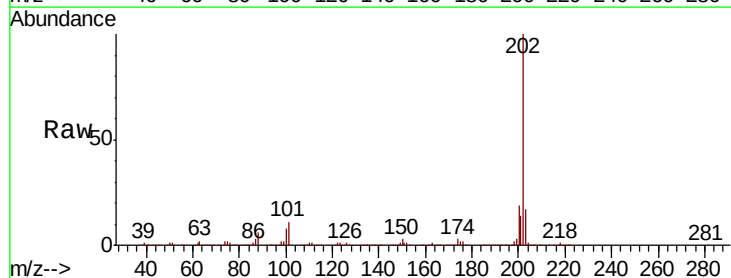
Tgt Ion:202 Resp: 1983666

Ion Ratio Lower Upper

202 100

101 10.6 9.4 14.2

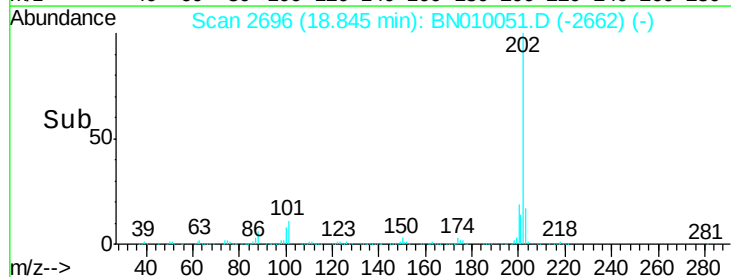
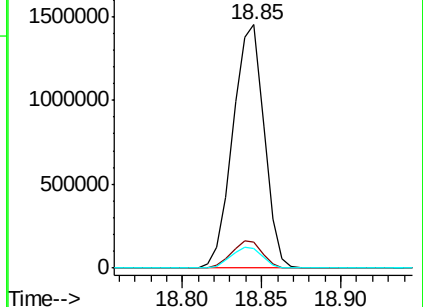
100 8.0 7.2 10.8

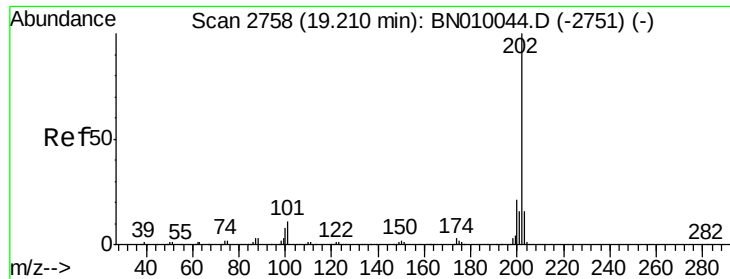


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





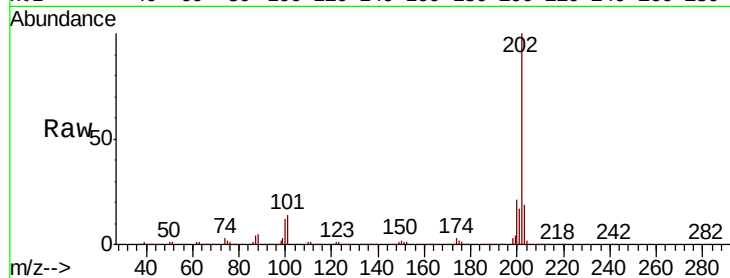
#80
Pvrene
Concen: 36.107 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.3	16.9
100	11.5	9.0	13.6

Manual Integrations
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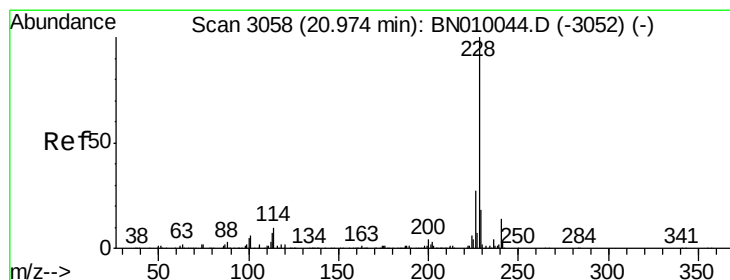
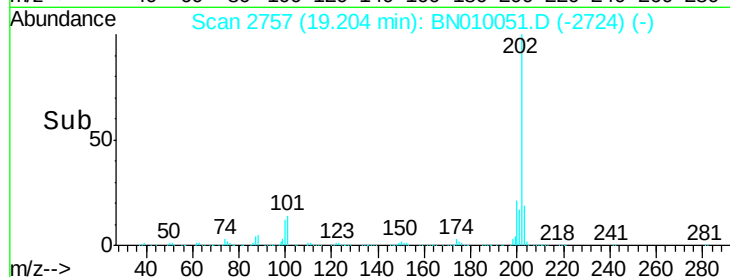
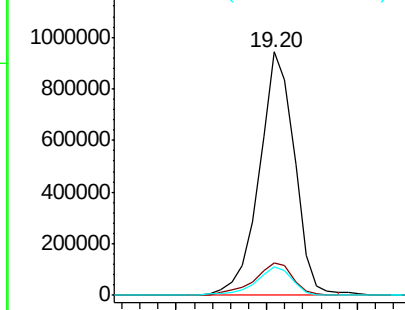


Abundance

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): E



#83
Benzo(a)anthracene
Concen: 7.309 ng/ul
RT: 20.97 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

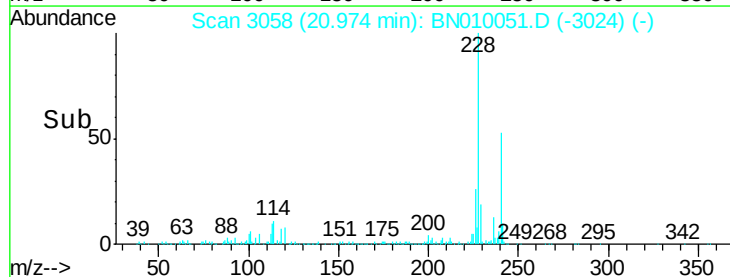
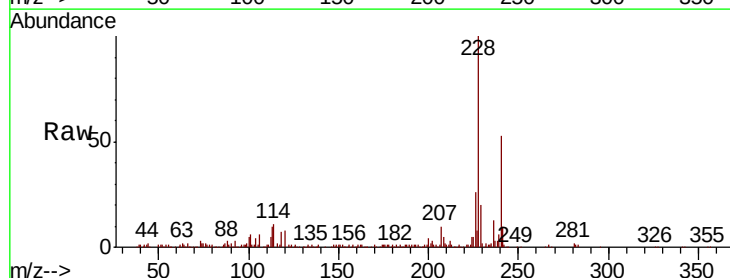
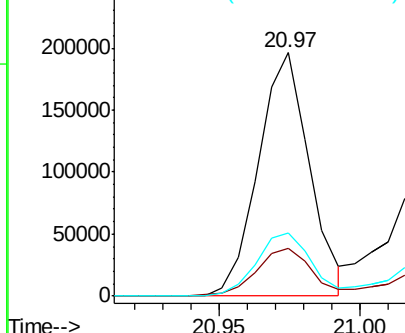
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.0	22.4
226	25.9	21.4	32.2

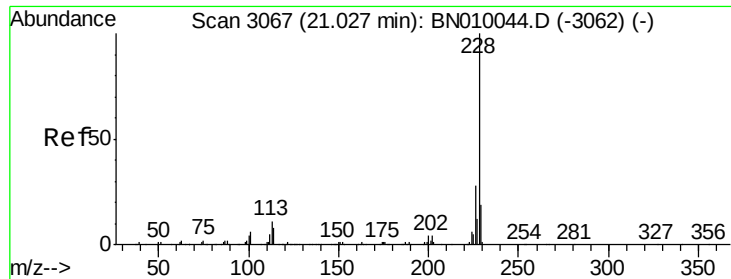
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





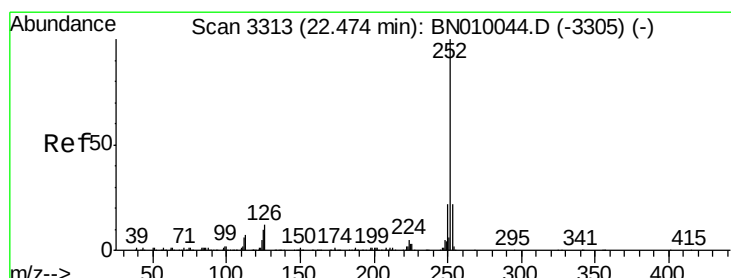
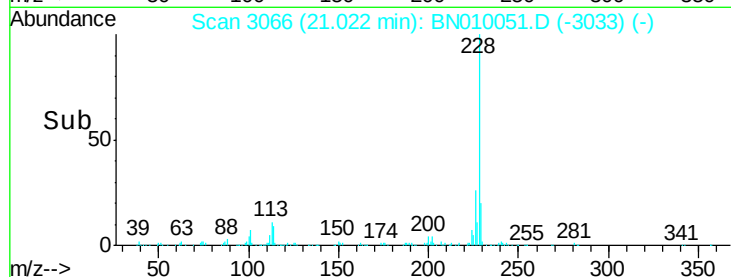
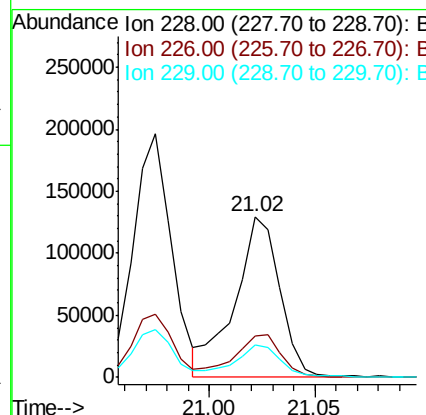
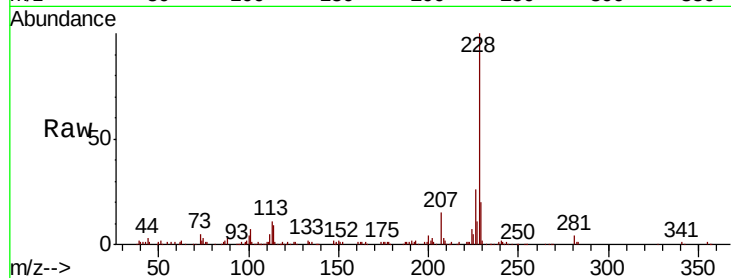
#85
Chrysene
Concen: 5.789 ng/ul
RT: 21.02 min Scan# 3066
Delta R.T. -0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampled :
DBDW0

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.5	23.4	35.2
229	20.1	15.0	22.4

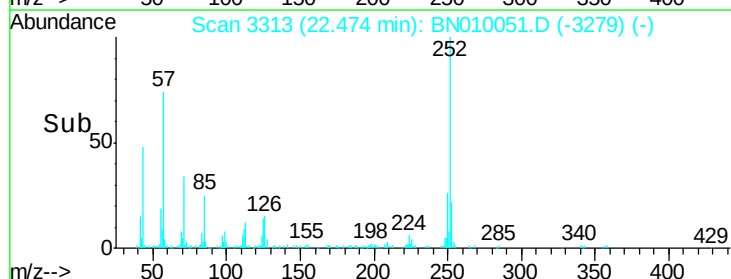
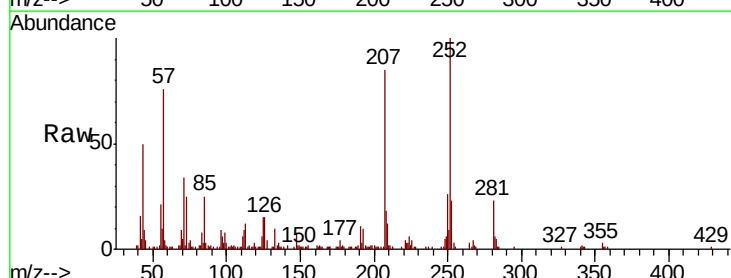
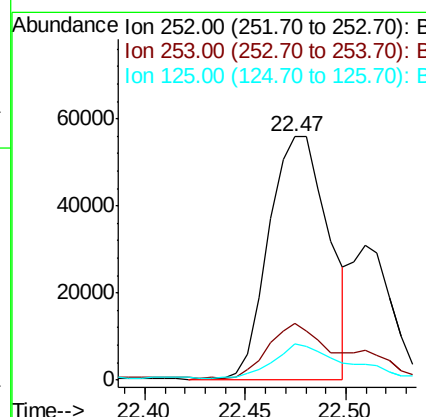
Manual Integrations
APPROVED

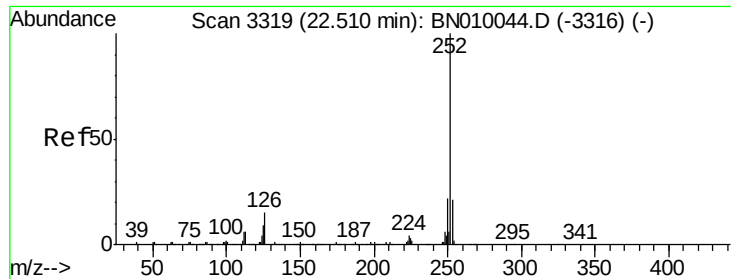
mohammad
3/4/2020 7:50:52 AM



#88
Benzo(b)fluoranthene
Concen: 3.740 ng/ul m
RT: 22.47 min Scan# 3313
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	15.0	8.0	12.0#





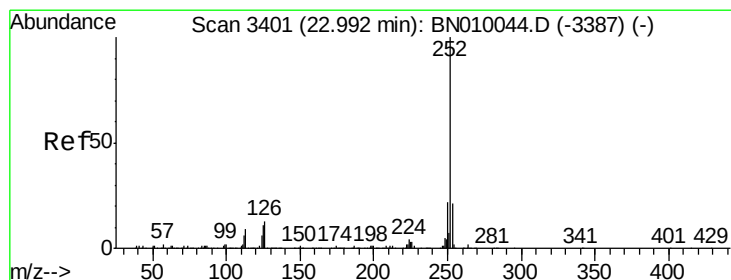
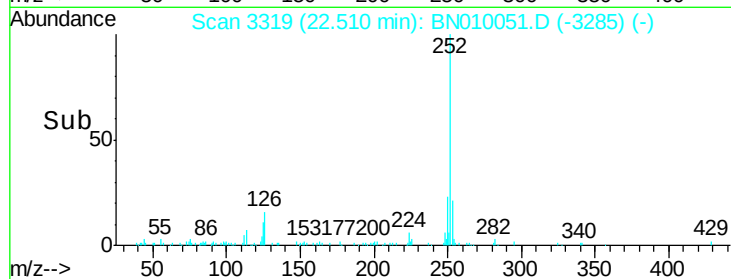
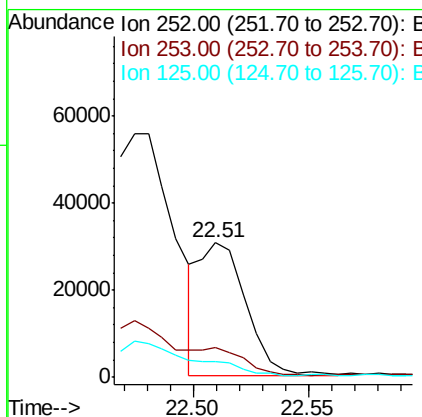
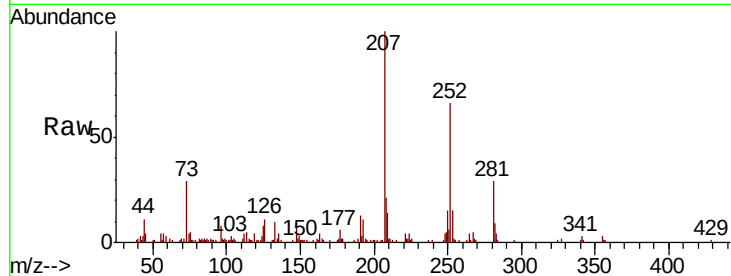
#89
Benzo(k)fluoranthene
Concen: 1.460 ng/ul
RT: 22.51 min Scan# 3319
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.9	8.2	12.2

Manual Integrations
APPROVED

mohammad
3/4/2020 7:50:52 AM



#91
Benzo(a)pyrene
Concen: 2.380 ng/ul
RT: 22.99 min Scan# 3401
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	13.8	9.0	13.6

