

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005593.D
 Acq On : 10 May 2019 17:56
 Operator : JU/SJ
 Sample : K2603-10ME
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAJ62ME

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:09 AM

Quant Time: May 10 18:32:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 10 13:02:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	124004	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	509626	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	309679	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	674359	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	618145	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	598032	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	10336	4.02	ng/uL	0.00
5) Phenol-d5	6.77	99	210259	21.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	133843	22.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	183628	24.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	157614	20.70	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	101344	32.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	114182	35.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	186613	25.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	225787	30.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	645817	28.73	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	768394	27.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	62573	17.63	ng/ul	0.00
57) Fluorene-d10	15.22	176	538507	28.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	68079	22.45	ng/ul	0.00
70) Anthracene-d10	17.07	188	797391	28.21	ng/ul	0.00
78) Pyrene-d10	19.39	212	883204	27.93	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	727991	27.85	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	12697141	535.932	ng/ul	98
34) 2-Methylnaphthalene	12.02	142	3122557	180.002	ng/ul	96
40) 1,1'-Biphenyl	13.04	154	465438	20.172	ng/ul#	98
44) Dimethylphthalate	13.68	163	50969	2.275	ng/ul	100
47) Acenaphthylene	13.93	152	1301707	47.973	ng/ul	98
49) Acenaphthene	14.28	153	1179628	63.681	ng/ul	100
53) Dibenzofuran	14.62	168	235197	8.819	ng/ul	97
58) Fluorene	15.27	166	1427049	68.571	ng/ul	98
69) Phenanthrene	17.02	178	6486931	197.517	ng/ul	99
71) Anthracene	17.11	178	1665562	49.783	ng/ul	98
74) Carbazole	17.39	167	101288	3.524	ng/ul	98
76) Fluoranthene	19.05	202	2942786	80.783	ng/ul	95
79) Pyrene	19.42	202	3952644	99.312	ng/ul#	95
82) Benzo(a)anthracene	21.20	228	1442085	37.501	ng/ul	96
84) Chrysene	21.25	228	1212750	33.980	ng/ul	98
87) Benzo(b)fluoranthene	22.78	252	911750m	27.122	ng/ul	
88) Benzo(k)fluoranthene	22.82	252	262012m	8.161	ng/ul	
90) Benzo(a)pyrene	23.33	252	940987m	29.780	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.62	276	323042	9.247	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.62	278	101795m	3.433	ng/ul	
93) Benzo(a,h,i)perylene	26.29	276	268038	9.279	ng/ul#	92

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005593.D
Acq On : 10 May 2019 17:56
Operator : JU/SJ
Sample : K2603-10ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ62ME

Manual Integrations
APPROVED

mohammad
5/13/2019 8:26:09 AM

Quant Time: May 10 18:32:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 10 13:02:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

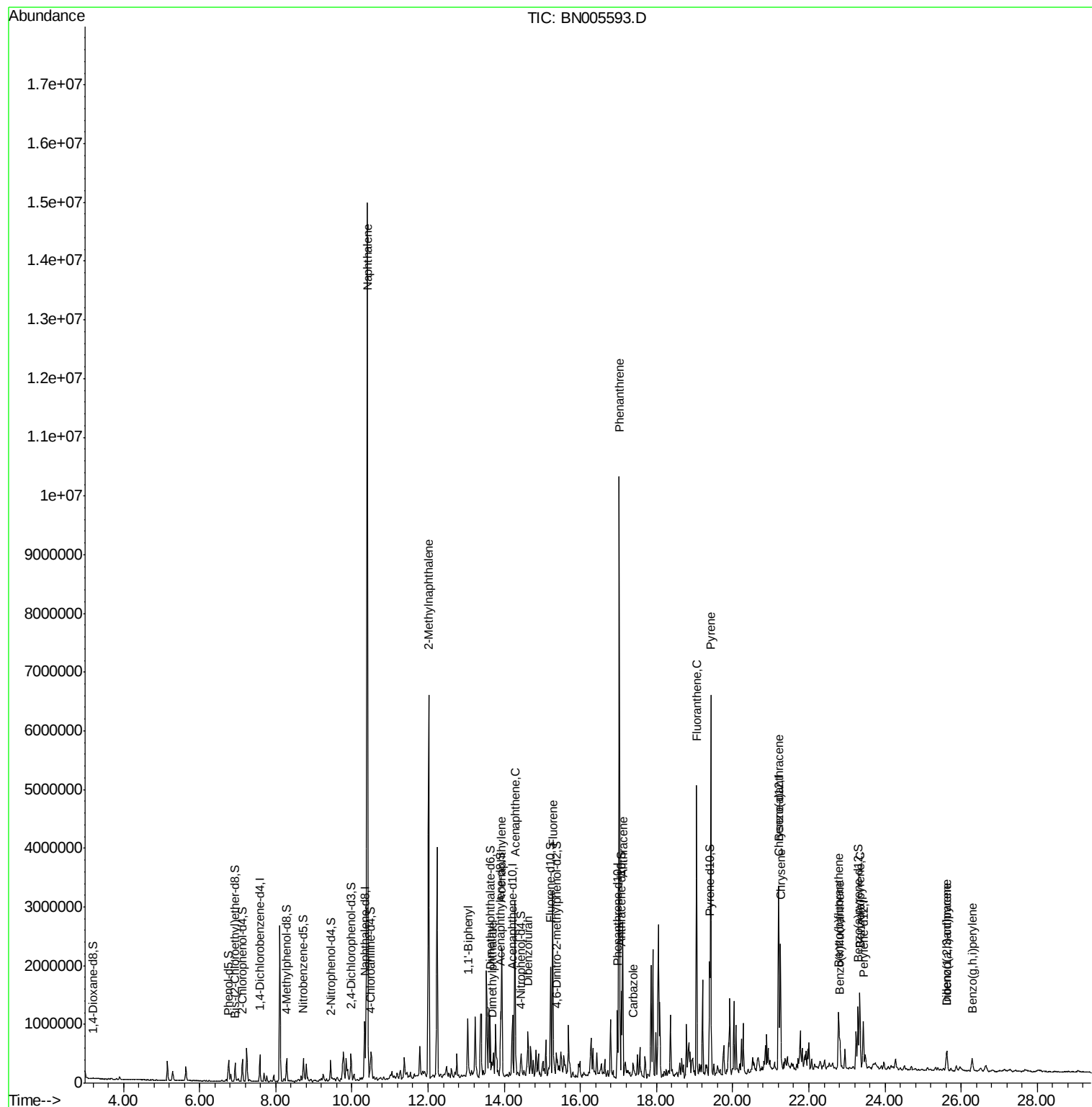
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005593.D
Acq On : 10 May 2019 17:56
Operator : JU/SJ
Sample : K2603-10ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

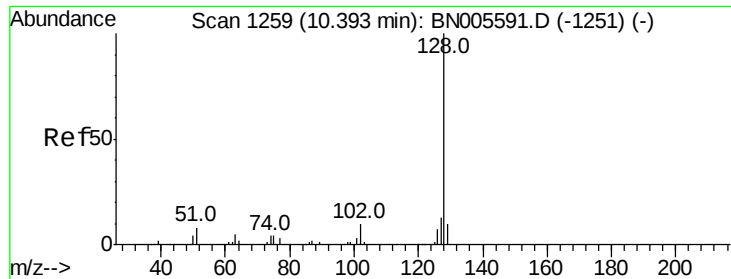
Instrument :
BNA_N
ClientSampleId :
GAJ62ME

Quant Time: May 10 18:32:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 10 13:02:24 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
5/13/2019 8:26:09 AM





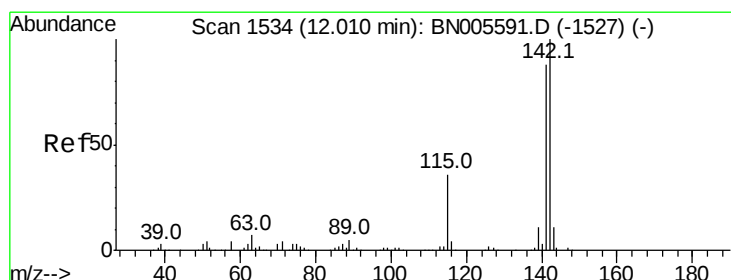
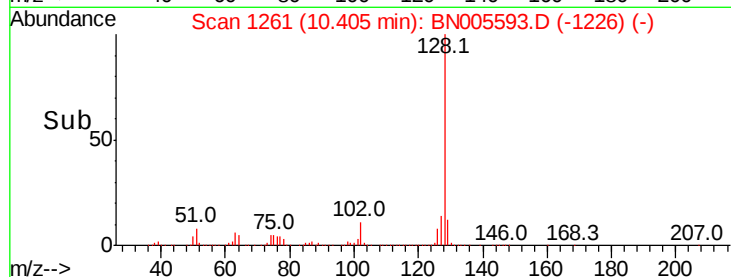
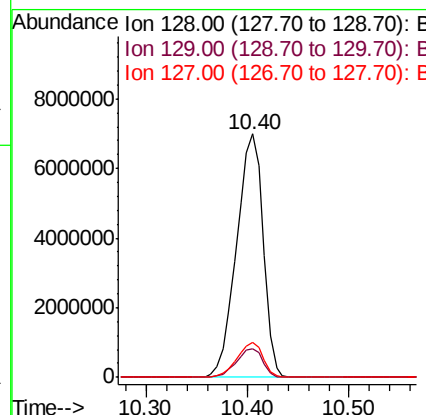
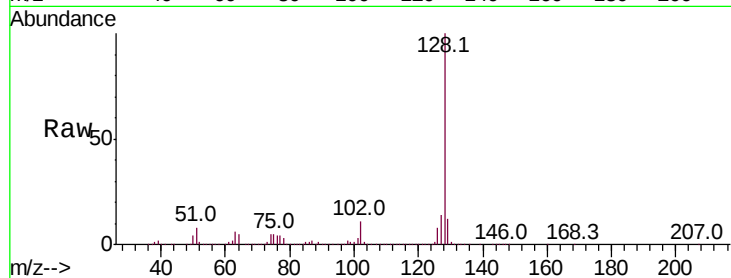
#28
Naphthalene
Concen: 535.932 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005593.D
Acq: 10 May 2019 17:56

Instrument :
BNA_N
ClientSampleId :
GAJ62ME

Tot Ion:128 Resp:12697141
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 14.3 10.7 16.1

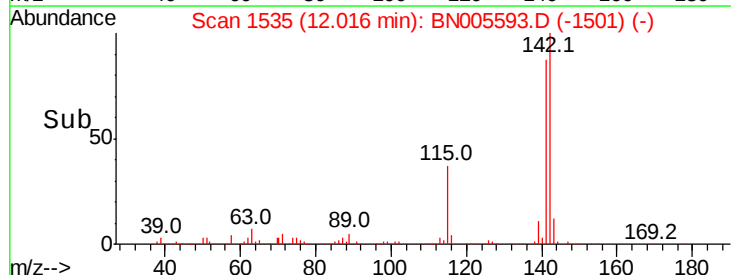
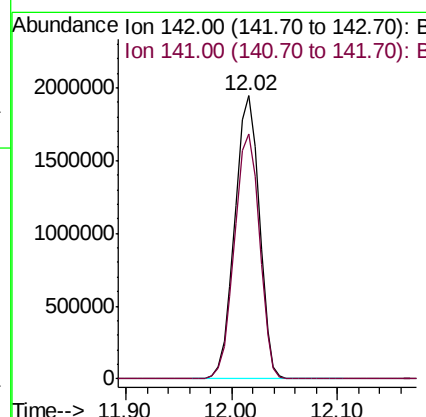
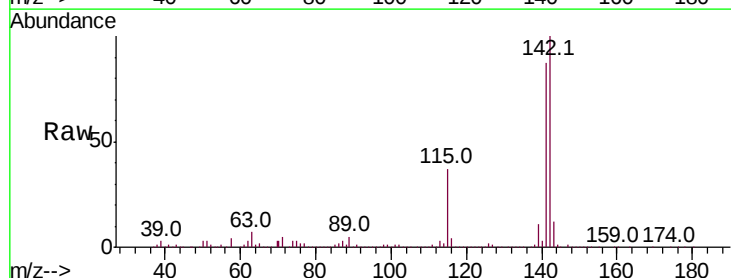
Manual Integrations
APPROVED

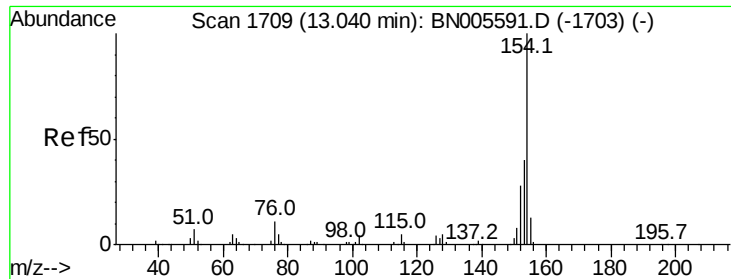
mohammad
5/13/2019 8:26:09 AM



#34
2-Methylnaphthalene
Concen: 180.002 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BN005593.D
Acq: 10 May 2019 17:56

Tgt Ion:142 Resp: 3122557
Ion Ratio Lower Upper
142 100
141 86.6 72.0 108.0





#40

1,1'-Biphenyl

Concen: 20.172 ng/ul

RT: 13.04 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

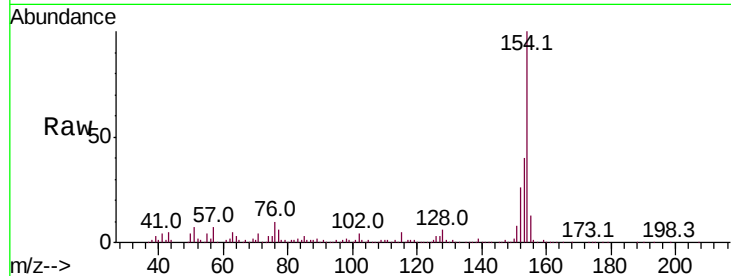
ClientSampleId :

GAJ62ME

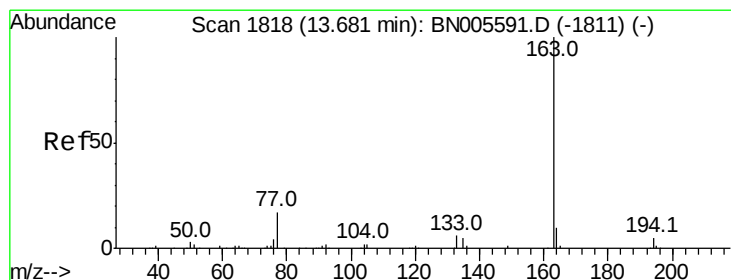
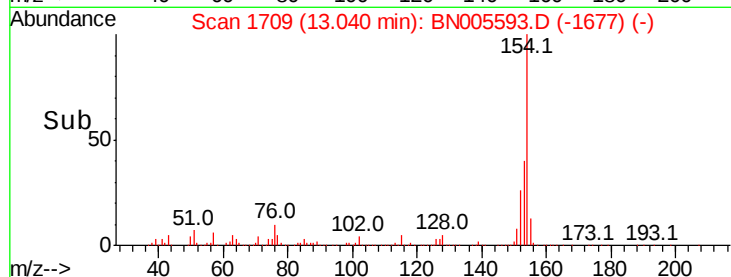
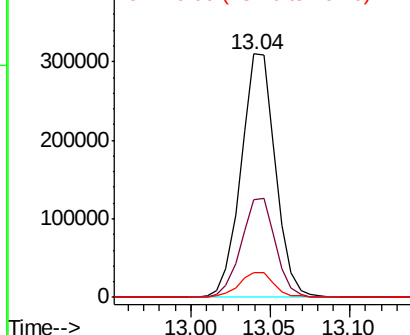
Tot Ion:	154	Resp:	465438
Ion Ratio	Lower	Upper	
154	100		
153	40.2	32.6	49.0
76	10.3	10.4	15.6

Manual Integrations
APPROVED

mohammad
5/13/2019 8:26:09 AM



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



#44

Dimethylphthalate

Concen: 2.275 ng/ul

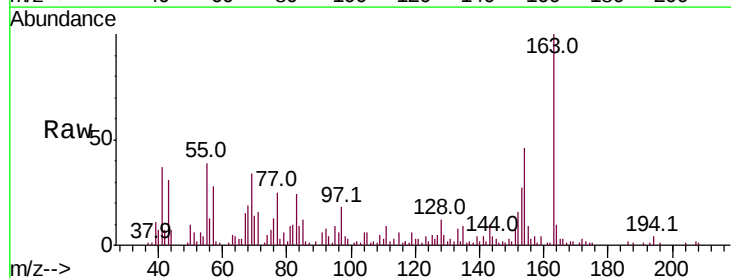
RT: 13.68 min Scan# 1818

Delta R.T. -0.01 min

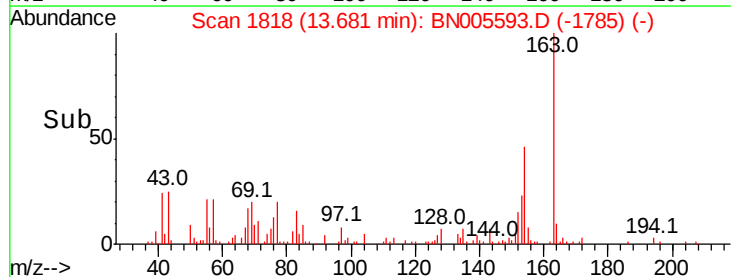
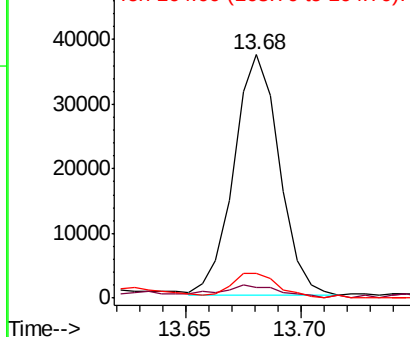
Lab File: BN005593.D

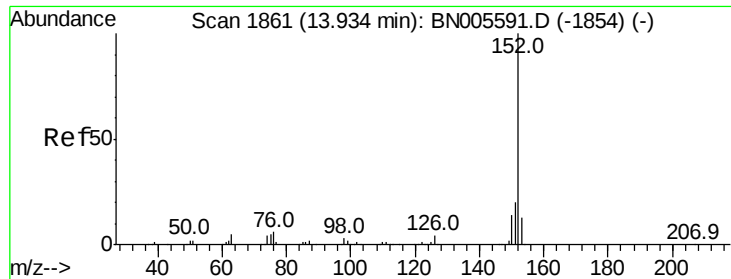
Acq: 10 May 2019 17:56

Tgt Ion:	163	Resp:	50969
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.1	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 47.973 ng/ul

RT: 13.93 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

ClientSampleId :

GAJ62ME

Tot Ion:152 Resp: 1301707

Ion Ratio Lower Upper

152 100

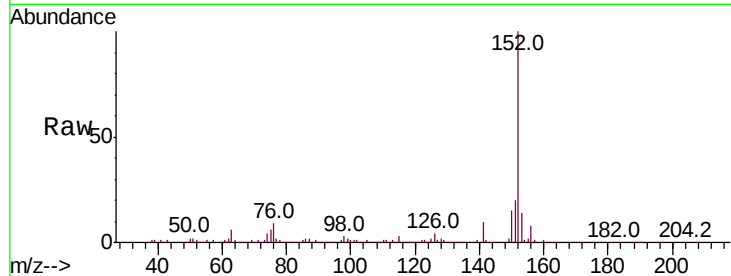
151 19.7 15.8 23.8

153 14.3 9.8 14.8

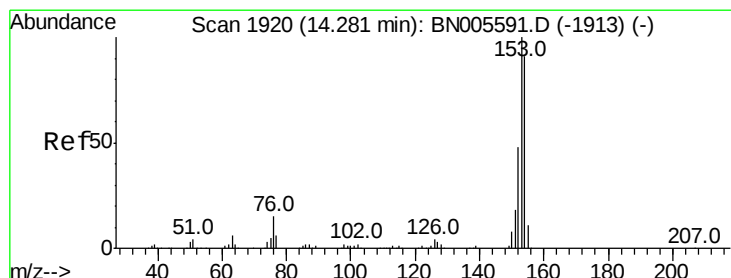
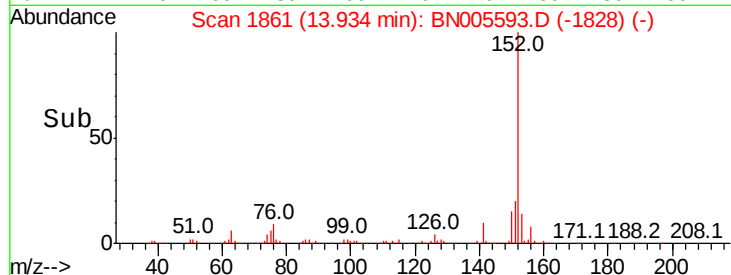
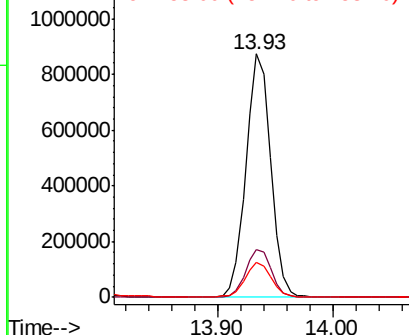
Manual Integrations
APPROVED

mohammad

5/13/2019 8:26:09 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 63.681 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

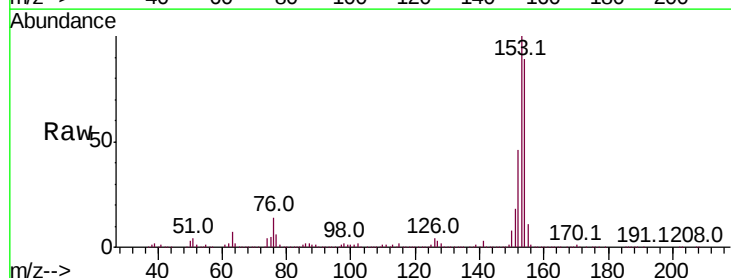
Tgt Ion:153 Resp: 1179628

Ion Ratio Lower Upper

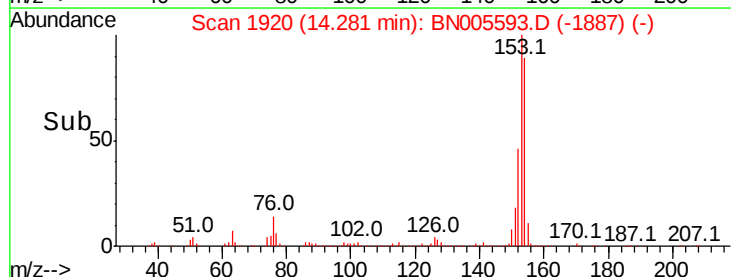
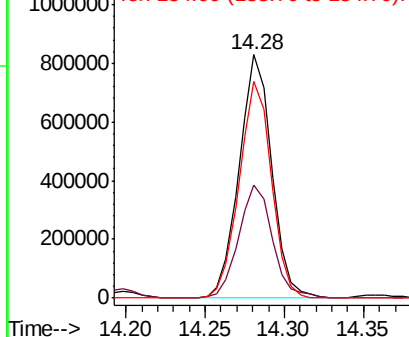
153 100

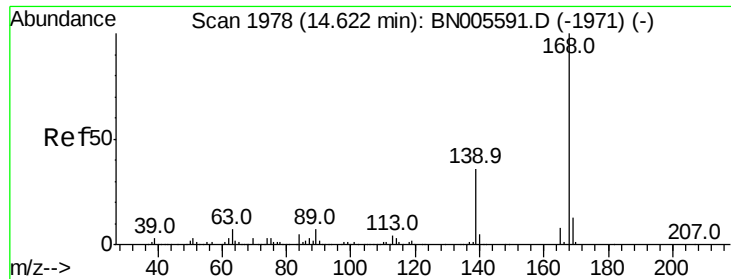
152 46.2 37.4 56.0

154 89.0 71.2 106.8



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





#53

Dibenzofuran

Concen: 8.819 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

ClientSampleId :

GAJ62ME

Tot Ion:168 Resp: 235197

Ion Ratio Lower Upper

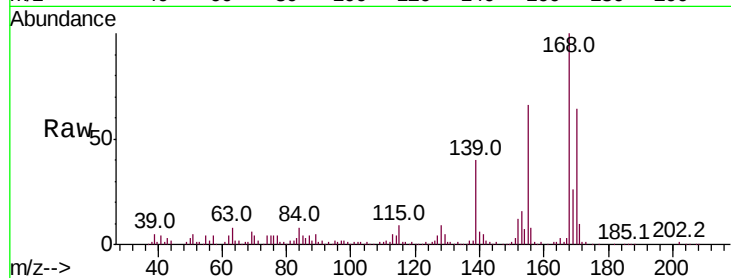
168 100

139 40.4 30.9 46.3

Manual Integrations
APPROVED

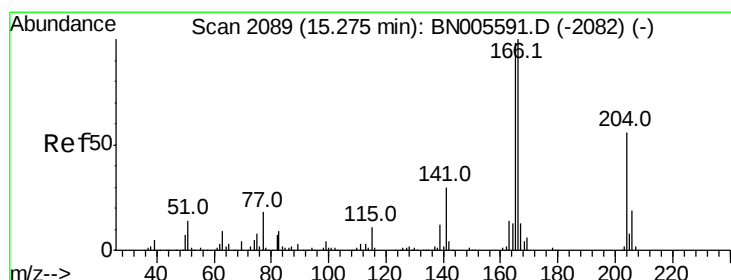
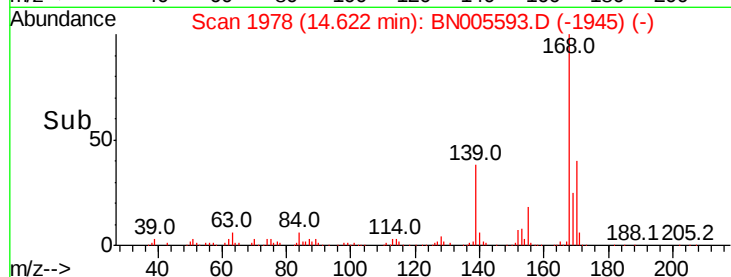
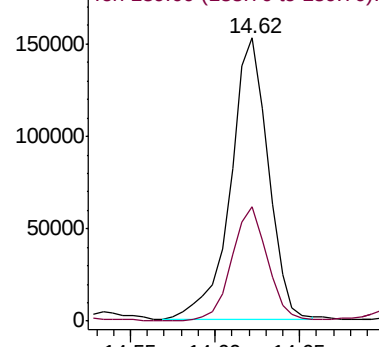
mohammad

5/13/2019 8:26:09 AM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 68.571 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

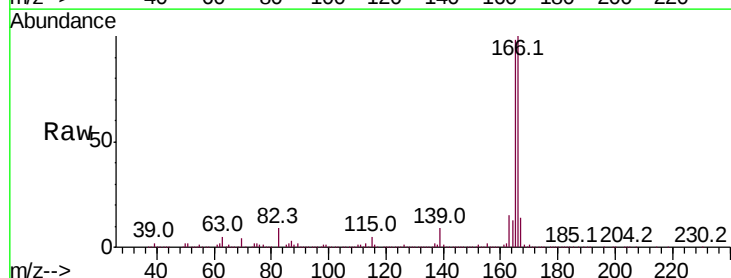
Tgt Ion:166 Resp: 1427049

Ion Ratio Lower Upper

166 100

165 97.6 80.0 120.0

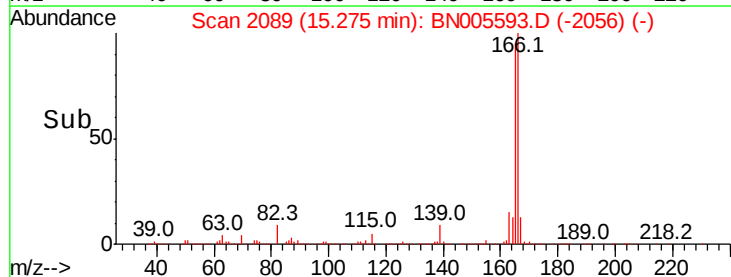
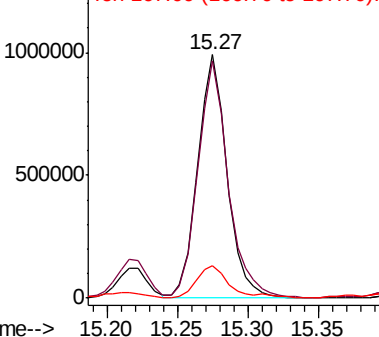
167 13.5 10.7 16.1

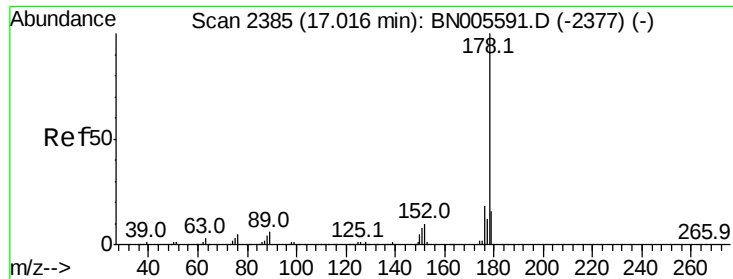


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 197.517 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

ClientSampleId :

GAJ62ME

Tot Ion:178 Resp: 6486931

Ion Ratio Lower Upper

178 100

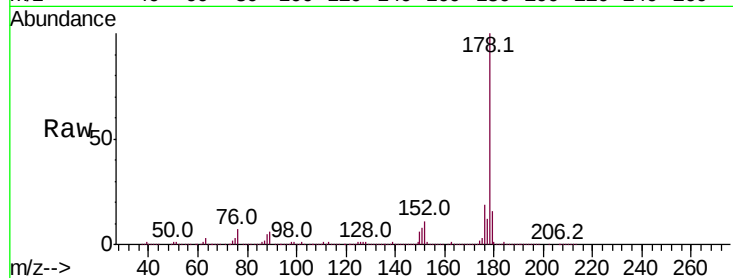
179 15.8 12.2 18.4

176 19.1 15.1 22.7

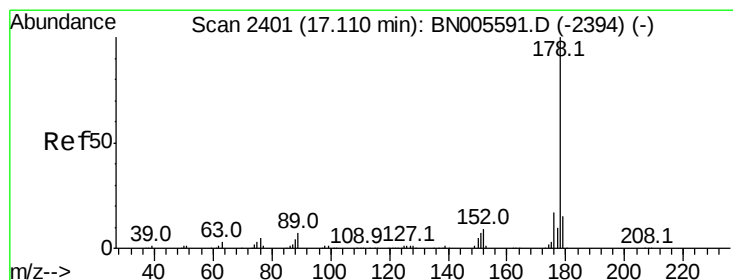
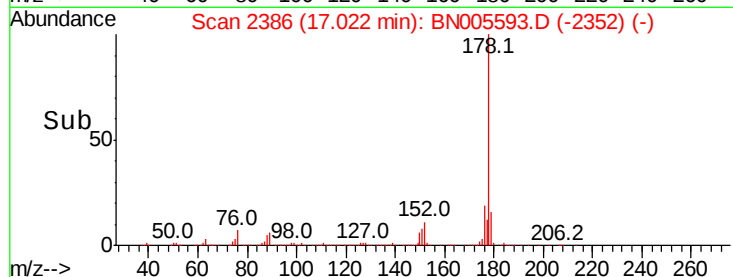
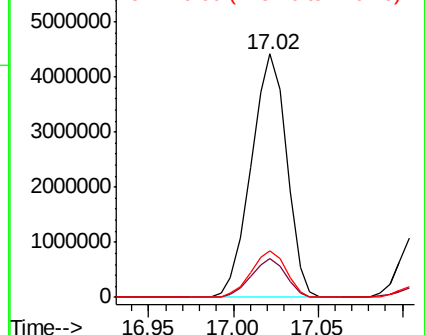
Manual Integrations
APPROVED

mohammad

5/13/2019 8:26:09 AM



Abundance Ion 178.00 (177.70 to 178.70): E
6000000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 49.783 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

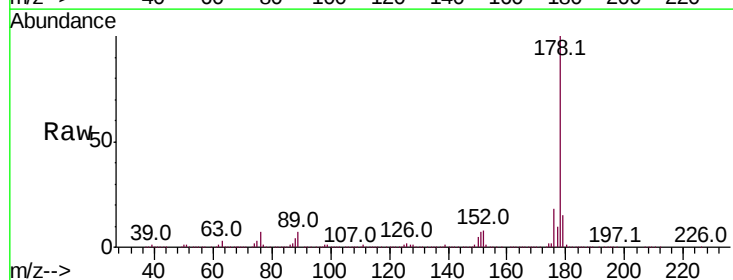
Tgt Ion:178 Resp: 1665562

Ion Ratio Lower Upper

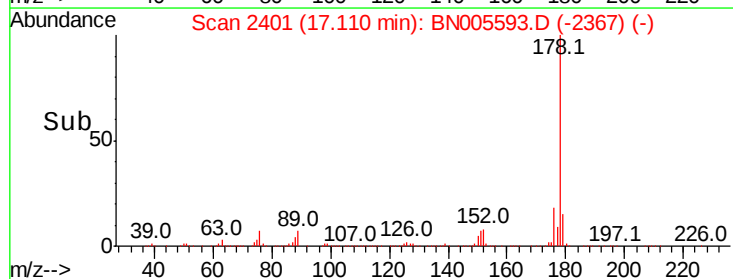
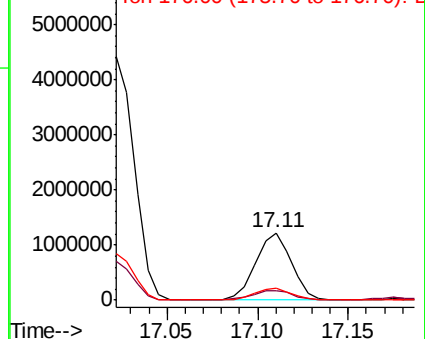
178 100

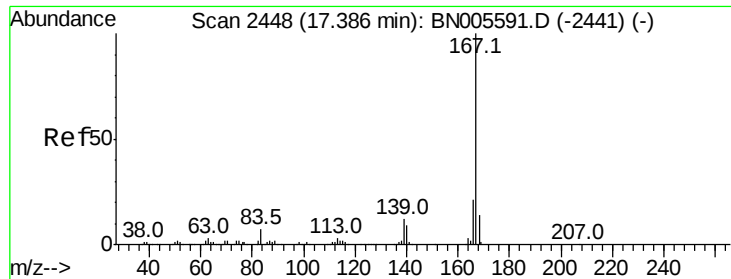
179 14.9 12.3 18.5

176 17.7 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
6000000 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





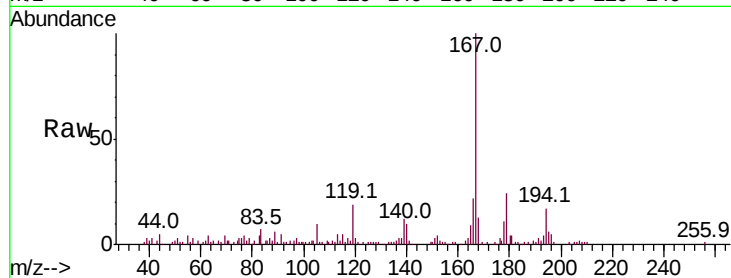
#74
 Carbazole
 Concen: 3.524 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. 0.00 min
 Lab File: BN005593.D
 Acq: 10 May 2019 17:56

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62ME

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	12.2	10.6	16.0

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:09 AM

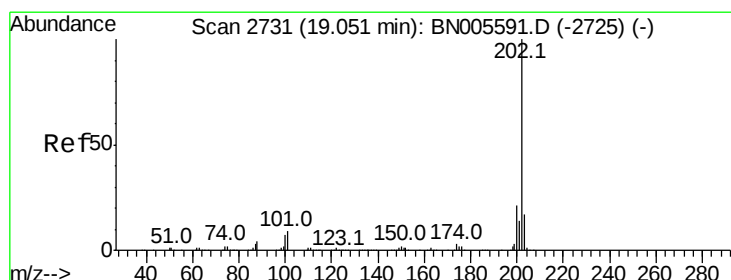
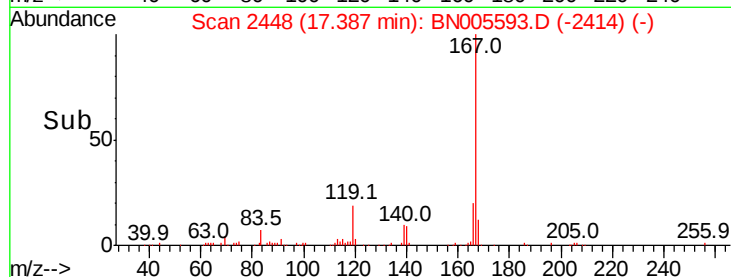
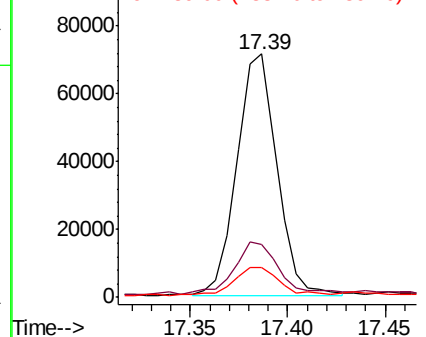


Abundance

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



#76
 Fluoranthene
 Concen: 80.783 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005593.D
 Acq: 10 May 2019 17:56

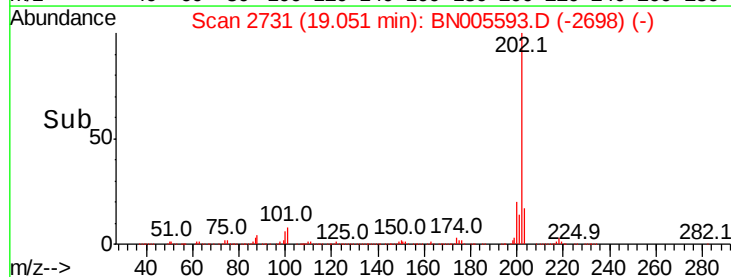
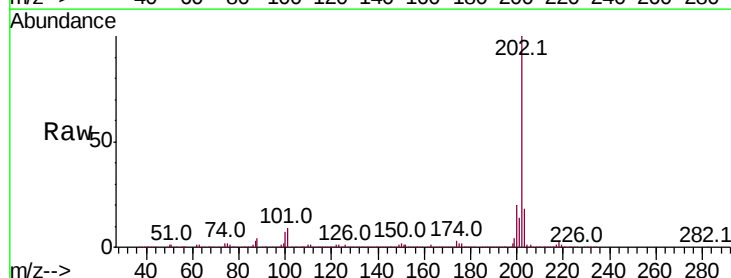
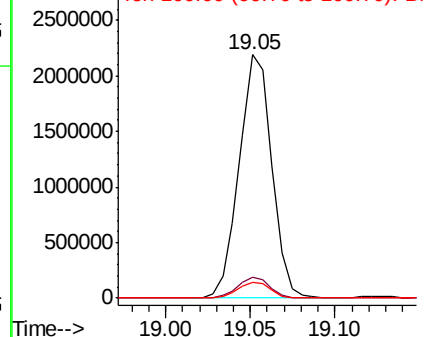
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.6	12.8
100	6.6	6.3	9.5

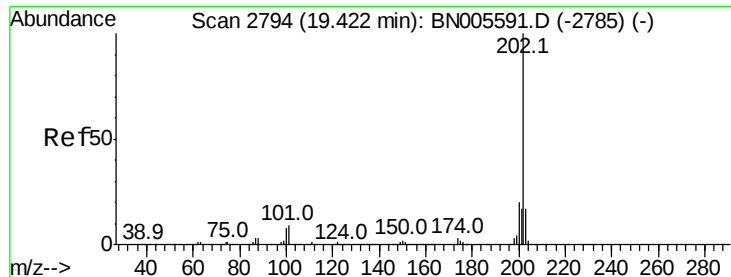
Abundance

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





#79

Pvrene

Concen: 99.312 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

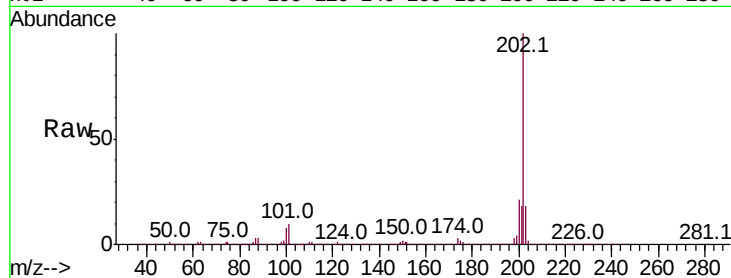
ClientSampleId :

GAJ62ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	10.3	15.5#
100	8.4	7.9	11.9

Manual Integrations
APPROVED

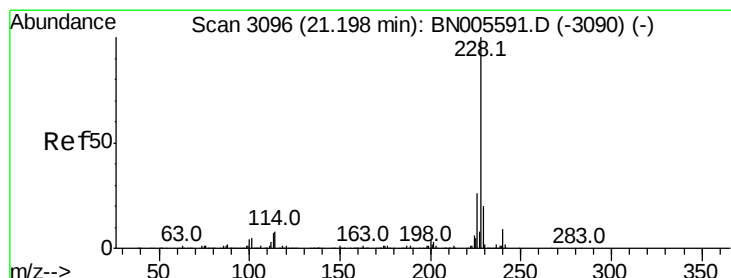
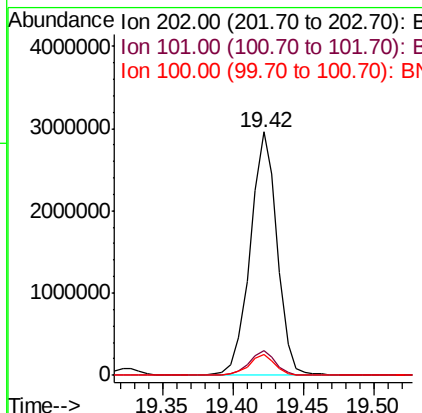
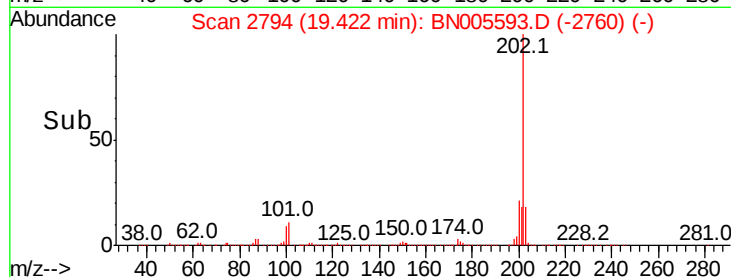
mohammad
5/13/2019 8:26:09 AM



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



#82

Benzo(a)anthracene

Concen: 37.501 ng/ul

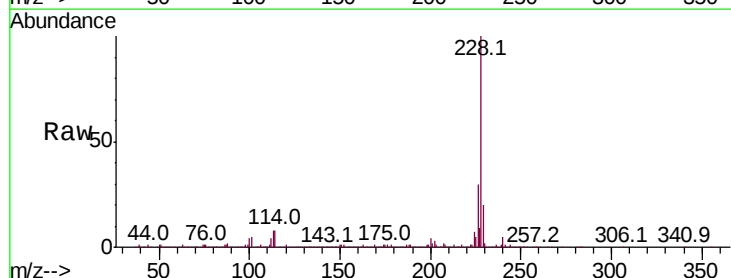
RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

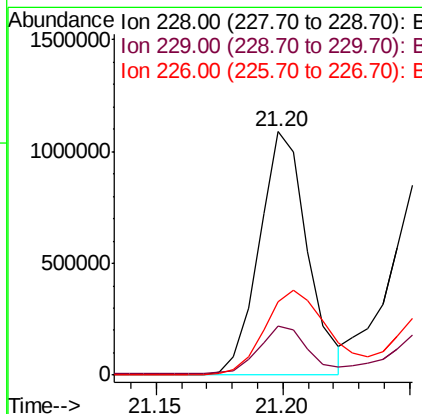
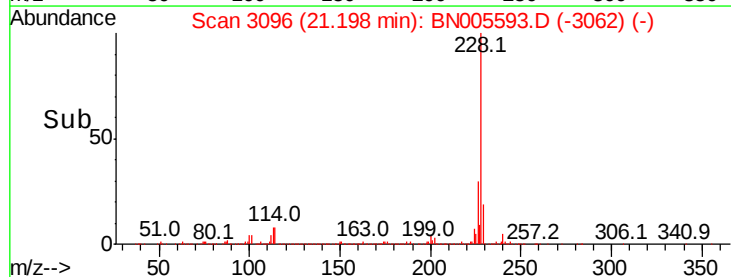
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.6
226	30.3	21.4	32.2

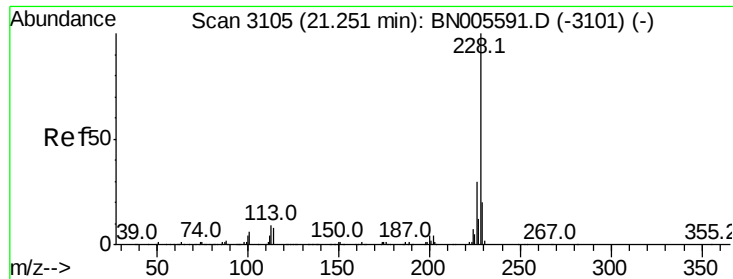


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 33.980 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN005593.D

Acq: 10 May 2019 17:56

Instrument :

BNA_N

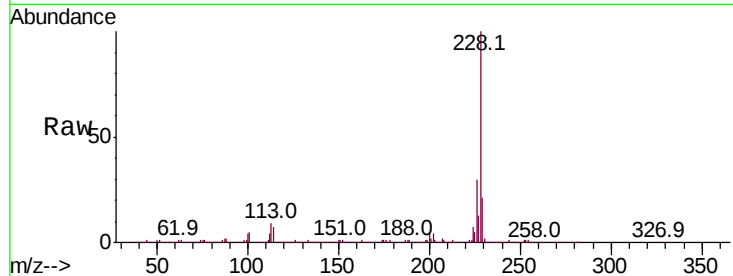
ClientSampleId :

GAJ62ME

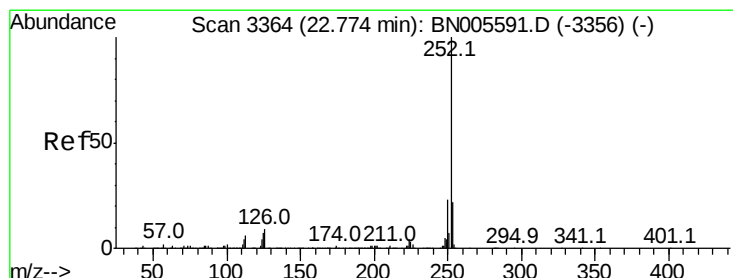
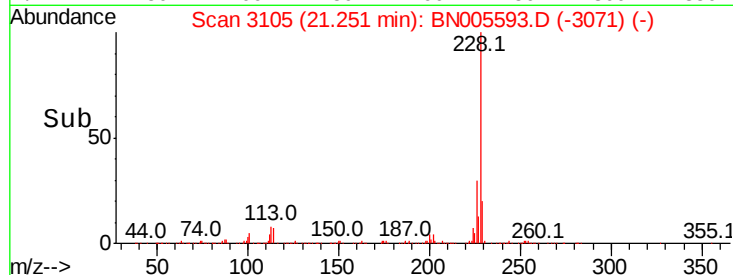
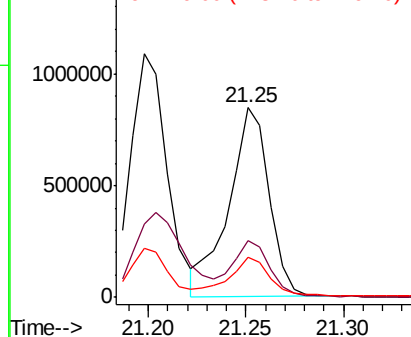
Tot Ion:	228	Resp:	1212750
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.0	36.0
229	21.0	15.4	23.0

Manual Integrations
APPROVED

mohammad
5/13/2019 8:26:09 AM



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



#87

Benzo(b)fluoranthene

Concen: 27.122 ng/ul m

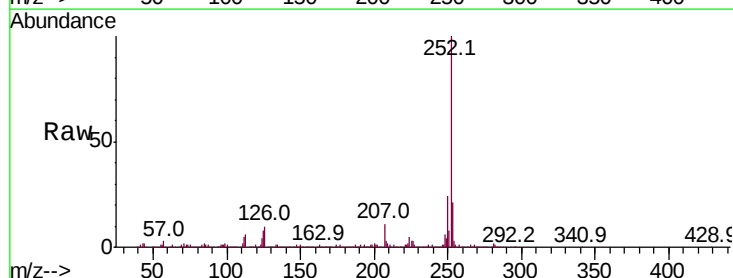
RT: 22.78 min Scan# 3365

Delta R.T. 0.02 min

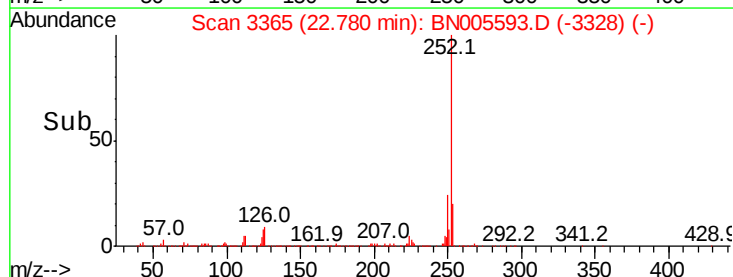
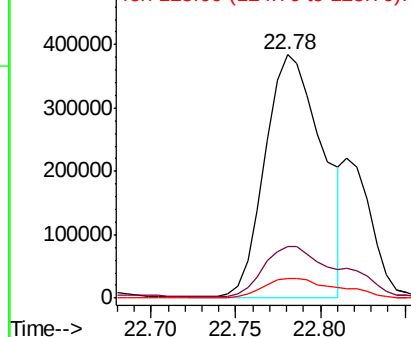
Lab File: BN005593.D

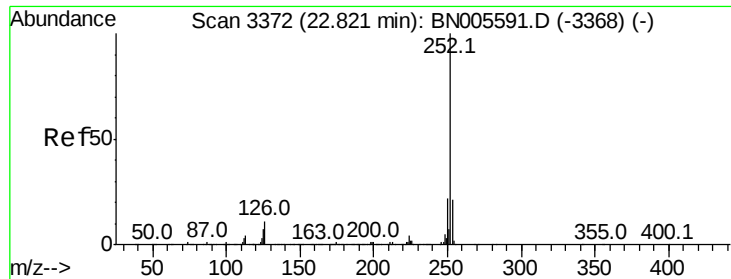
Acq: 10 May 2019 17:56

Tgt Ion:	252	Resp:	911750
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	8.3	8.4	12.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





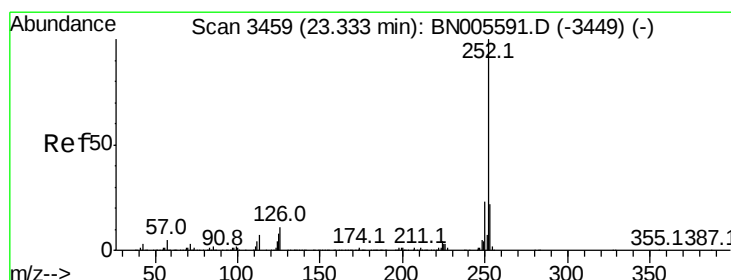
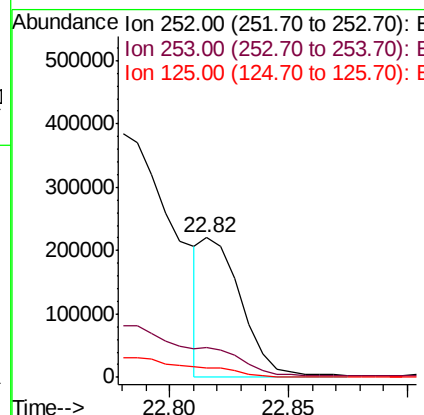
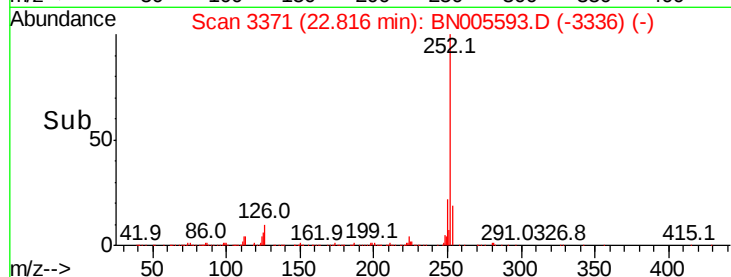
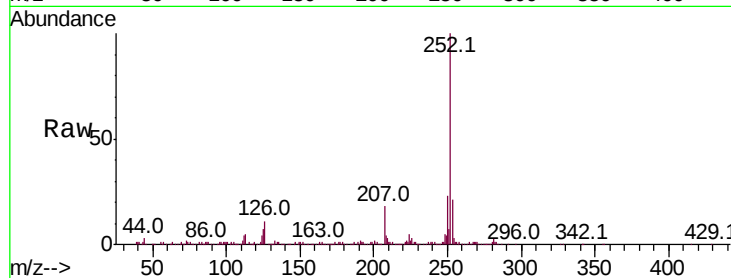
#88
Benzo(k)fluoranthene
Concen: 8.161 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN005593.D
Acq: 10 May 2019 17:56

Instrument :
BNA_N
ClientSampleId :
GAJ62ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	7.0	7.5	11.3

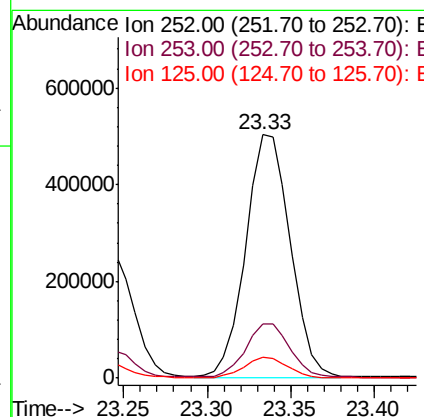
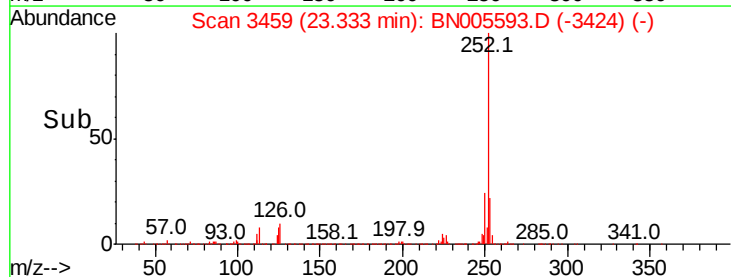
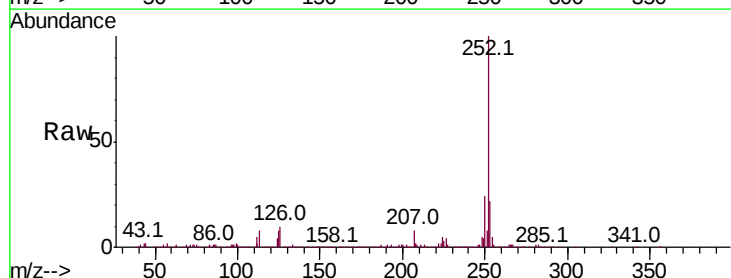
Manual Integrations
APPROVED

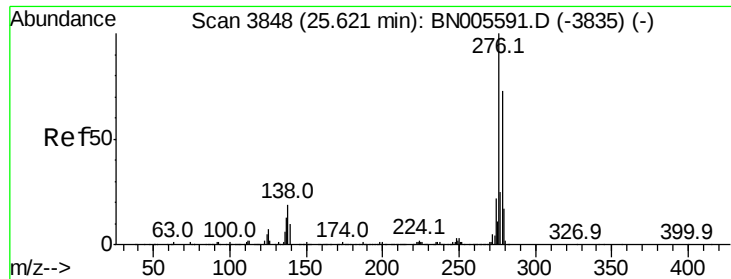
mohammad
5/13/2019 8:26:09 AM



#90
Benzo(a)pyrene
Concen: 29.780 ng/ul m
RT: 23.33 min Scan# 3459
Delta R.T. 0.01 min
Lab File: BN005593.D
Acq: 10 May 2019 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	8.4	8.6	13.0





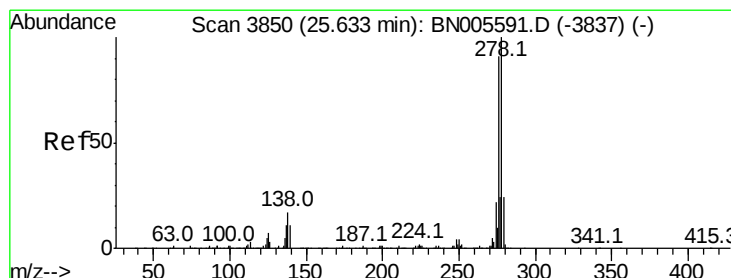
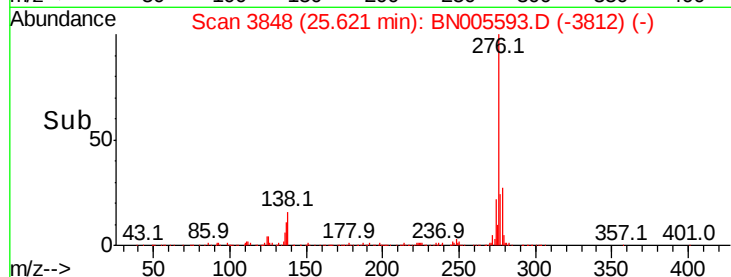
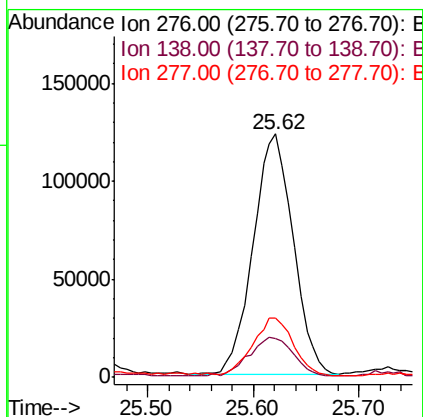
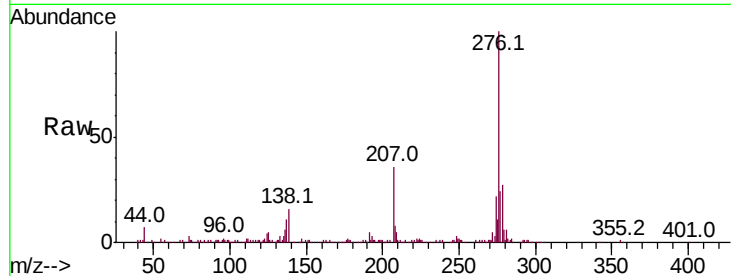
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 9.247 ng/ul
 RT: 25.62 min Scan# 3848
 Delta R.T. 0.01 min
 Lab File: BN005593.D
 Acq: 10 May 2019 17:56

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	17.9	26.9#
277	24.5	19.7	29.5

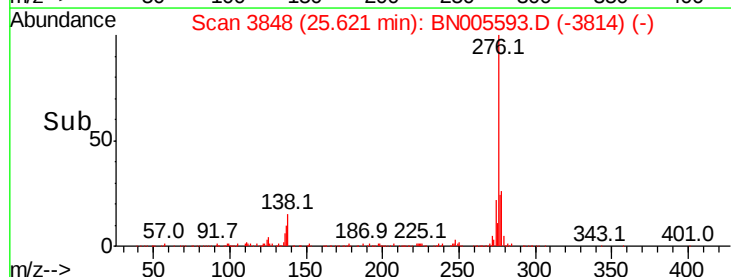
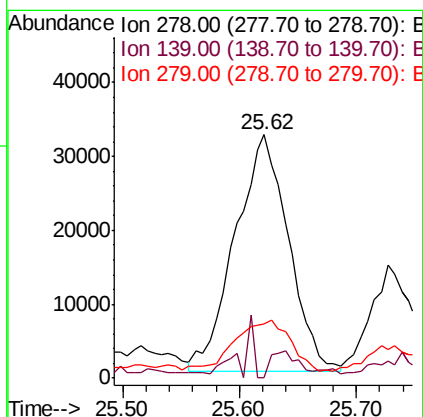
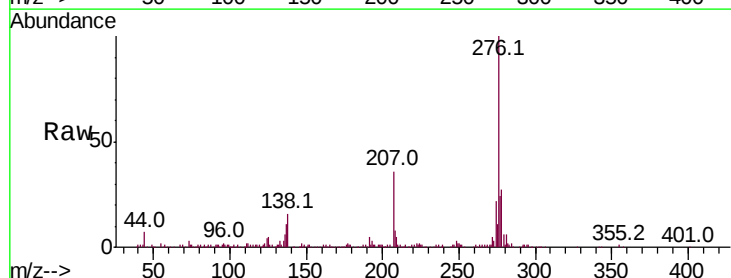
Manual Integrations
 APPROVED

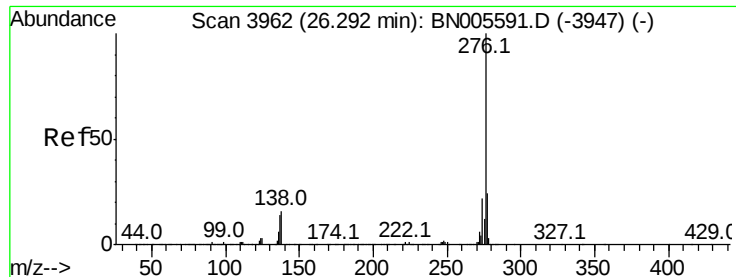
mohammad
 5/13/2019 8:26:09 AM



#92
 Dibenzo(a,h)anthracene
 Concen: 3.433 ng/ul m
 RT: 25.62 min Scan# 3848
 Delta R.T. 0.00 min
 Lab File: BN005593.D
 Acq: 10 May 2019 17:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	22.1	19.4	29.0





#93
 Benzo(a,h,i)perylene
 Concen: 9.279 ng/ul
 RT: 26.29 min Scan# 3962
 Delta R.T. 0.02 min
 Lab File: BN005593.D
 Acq: 10 May 2019 17:56

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62ME

Tot Ion:	276	Resp:	268038
Ion Ratio	Lower	Upper	
276	100		
138	14.2	16.7	25.1#
277	24.1	18.2	27.2

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:09 AM

