

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005203.D
 Acq On : 23 Apr 2019 08:31
 Operator : JU/SJ
 Sample : K2455-07MS
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8MS

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:36:37 AM

Quant Time: Apr 24 08:28:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	589768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	2486272	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.25	164	1733826	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.00	188	3301174	20.00	ng/ul	0.01
77) Chrysene-d12	21.24	240	2729628	20.00	ng/ul	0.02
85) Perylene-d12	23.45	264	3274987	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	107142	8.77	ng/uL	0.00
5) Phenol-d5	6.78	99	1371734	29.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	873206	30.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	1104028	31.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	1104796	30.51	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	612887	40.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	549927	35.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	1019354	28.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	1451199m	39.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	2774877	22.05	ng/ul	0.02
46) Acenaphthylene-d8	13.95	160	3444586	22.28	ng/ul	0.02
51) 4-Nitrophenol-d4	14.45	143	467006	23.50	ng/ul	0.02
57) Fluorene-d10	15.25	176	2250491	21.31	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.40	200	37599m	2.53	ng/ul	0.05
70) Anthracene-d10	17.11	188	3385093	24.46	ng/ul	0.02
78) Pyrene-d10	19.41	212	3534789	25.31	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.31	264	3536241	24.71	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.80	94	1405106	29.491	ng/ul	99
10) 2-Chlorophenol	7.17	128	1099921	30.013	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.40	70	890743	28.735	ng/ul	94
28) Naphthalene	10.42	128	41100848m	355.597	ng/ul	
33) 4-Chloro-3-methylphenol	11.69	107	1086478	27.493	ng/ul#	43
34) 2-Methylnaphthalene	12.05	142	56381494m	666.204	ng/ul	
40) 1,1'-Biphenyl	13.08	154	12950906	100.250	ng/ul	96
44) Dimethylphthalate	13.72	163	478598	3.816	ng/ul#	98
47) Acenaphthylene	13.97	152	23134604m	152.283	ng/ul	
49) Acenaphthene	14.32	153	6956330	67.073	ng/ul	99
52) 4-Nitrophenol	14.47	109	343106m	19.020	ng/ul	
53) Dibenzofuran	14.65	168	5900235	39.513	ng/ul	92
58) Fluorene	15.31	166	18941746	162.564	ng/ul#	99
68) Pentachlorophenol	16.66	266	483662	23.325	ng/ul	99
69) Phenanthrene	17.04	178	33055933m	205.607	ng/ul	
71) Anthracene	17.14	178	15006895	91.629	ng/ul#	93
76) Fluoranthene	19.07	202	16988889m	95.268	ng/ul	
79) Pyrene	19.44	202	21508152m	122.378	ng/ul	
82) Benzo(a)anthracene	21.22	228	13594538	80.057	ng/ul#	71
84) Chrysene	21.27	228	12331286	78.244	ng/ul	94
87) Benzo(b)fluoranthene	22.80	252	10930710	59.375	ng/ul	98
88) Benzo(k)fluoranthene	22.84	252	4128118m	23.479	ng/ul	
90) Benzo(a)pyrene	23.36	252	9474432	54.752	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005203.D
Acq On : 23 Apr 2019 08:31
Operator : JU/SJ
Sample : K2455-07MS
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

Quant Time: Apr 24 08:28:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.64	276	5114485	26.733	ng/ul	97
92) Dibenzo(a,h)anthracene	25.65	278	1740116	10.717	ng/ul	97
93) Benzo(g,h,i)perylene	26.31	276	3468129	21.923	ng/ul	96

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

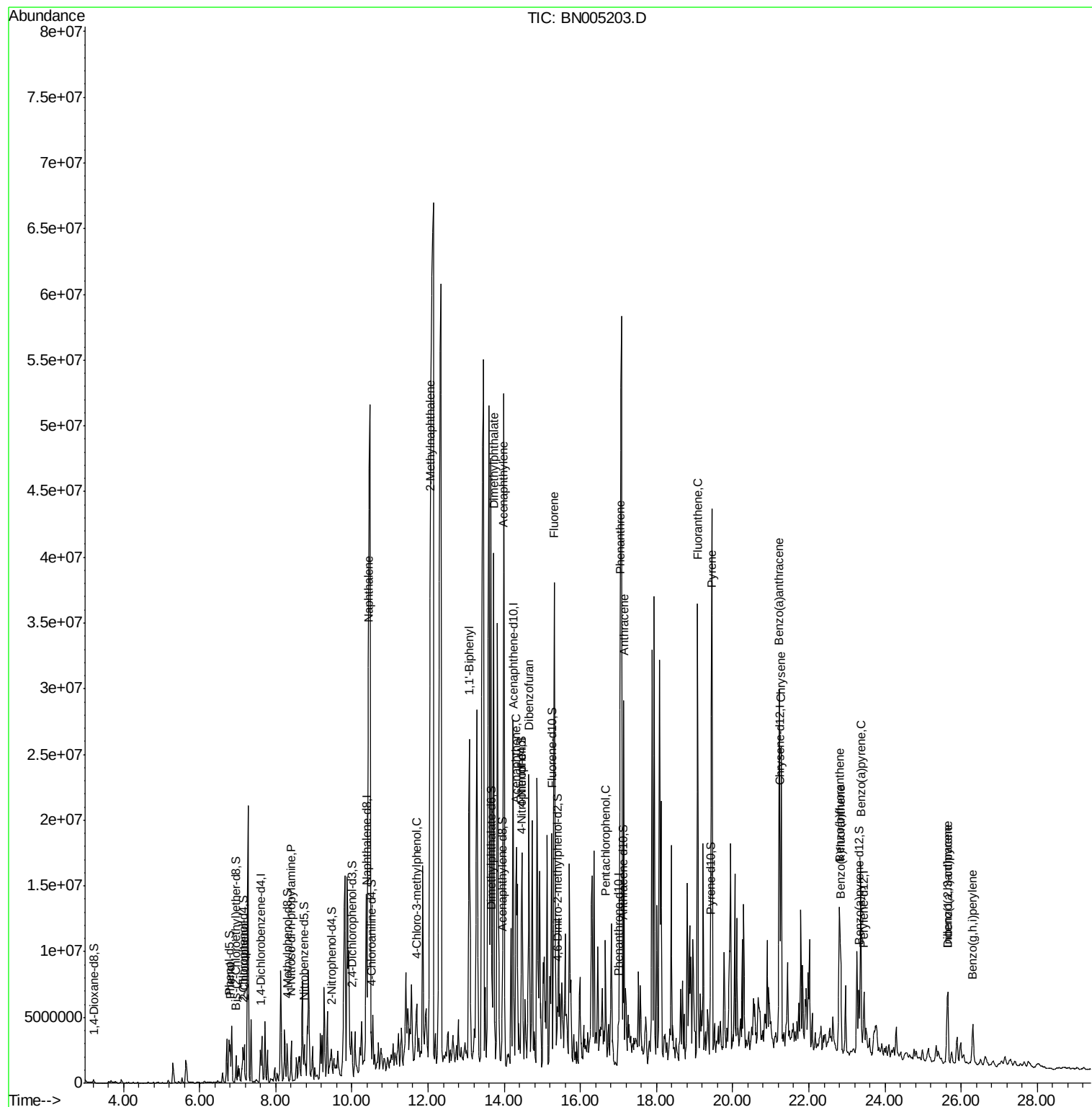
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005203.D
Acq On : 23 Apr 2019 08:31
Operator : JU/SJ
Sample : K2455-07MS
Misc :
ALS Vial : 39 Sample Multiplier: 1

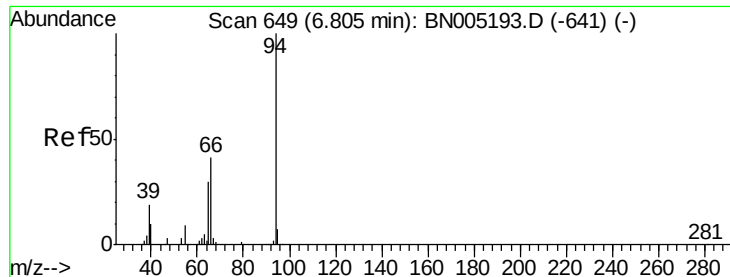
Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

Quant Time: Apr 24 08:28:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





#6

Phenol

Concen: 29.491 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

Instrument :

BNA_N

ClientSampleId :

GAHQ8MS

Tot Ion: 94 Resp: 1405106

Ion Ratio Lower Upper

94 100

65 30.8 24.2 36.4

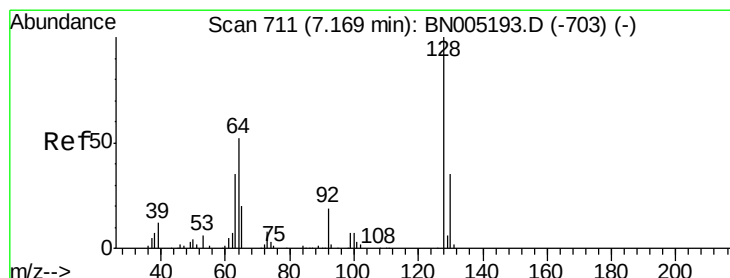
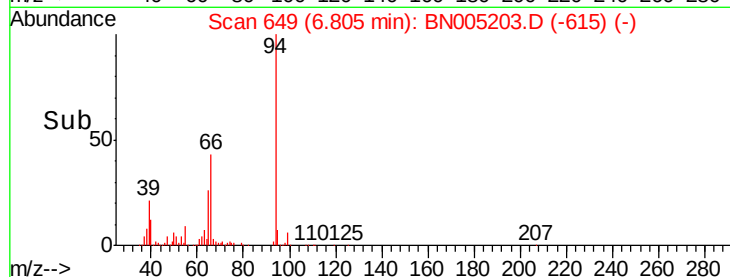
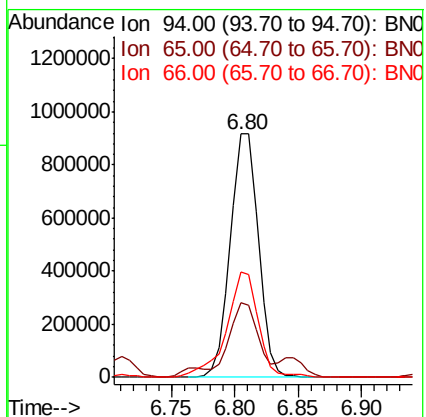
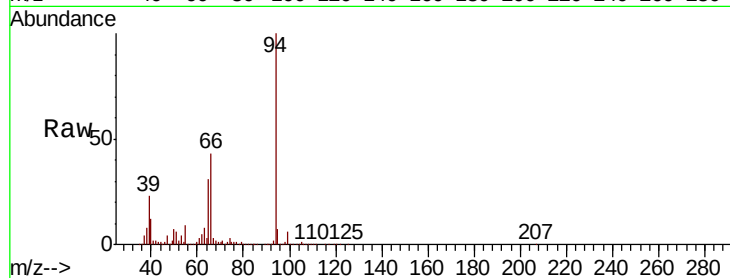
66 43.1 33.8 50.6

Manual Integrations

APPROVED

Sohil

4/25/2019 5:36:37 AM



#10

2-Chlorophenol

Concen: 30.013 ng/ul

RT: 7.17 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

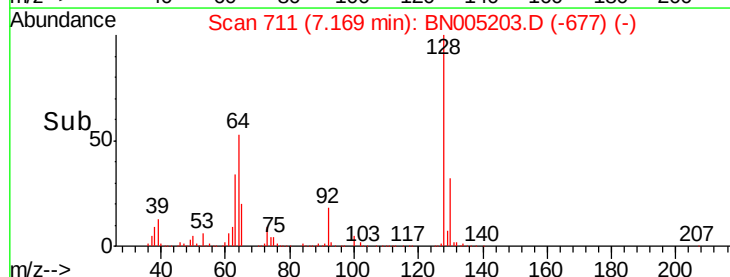
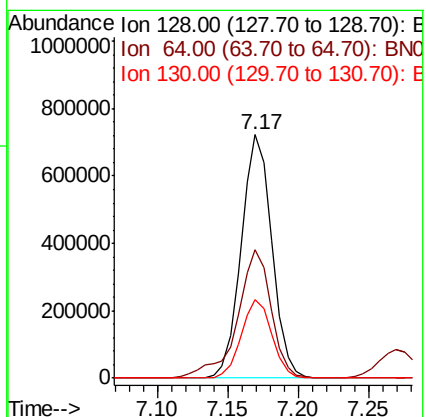
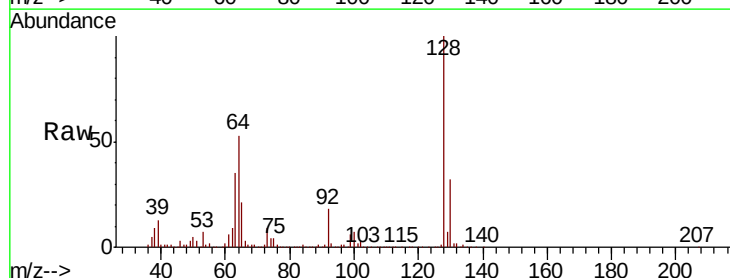
Tgt Ion: 128 Resp: 1099921

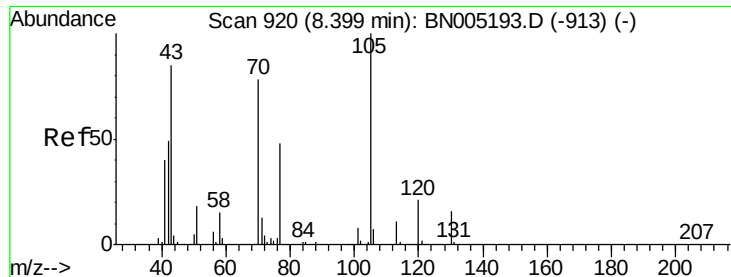
Ion Ratio Lower Upper

128 100

64 52.9 42.3 63.5

130 32.3 26.5 39.7





#15

N-Nitroso-di-n-propylamine

Concen: 28.735 ng/ul

RT: 8.40 min Scan# 921

Delta R.T. 0.00 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

Instrument :

BNA_N

ClientSampleId :

GAHQ8MS

Tot Ion: 70 Resp: 890743

Ion Ratio Lower Upper

70 100

42 61.9 53.8 80.8

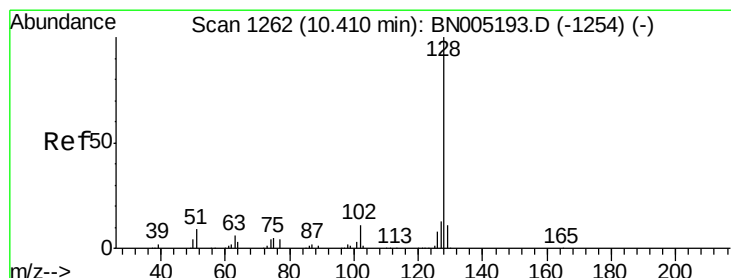
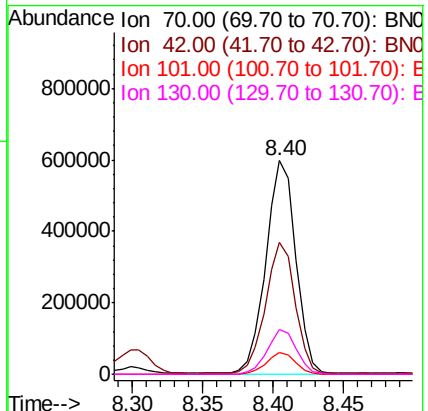
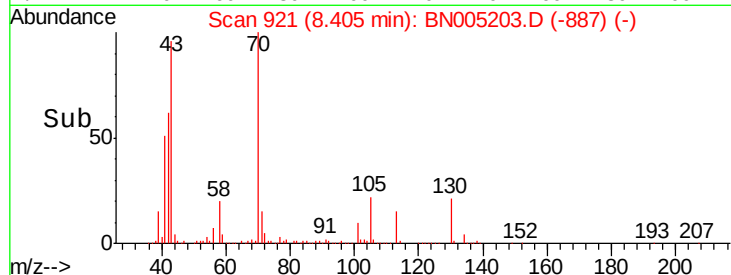
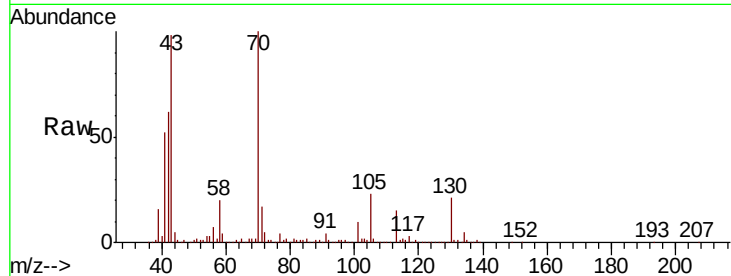
101 10.0 7.7 11.5

130 20.7 15.0 22.4

Manual Integrations
APPROVED

Sohil

4/25/2019 5:36:37 AM



#28

Naphthalene

Concen: 355.597 ng/ul m

RT: 10.42 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

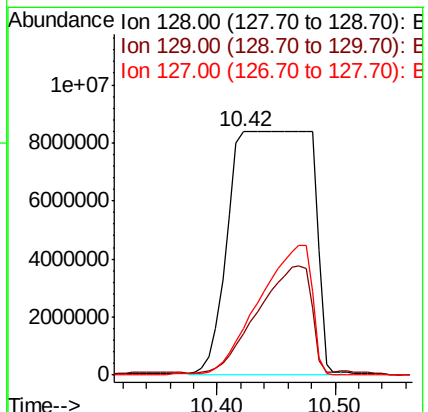
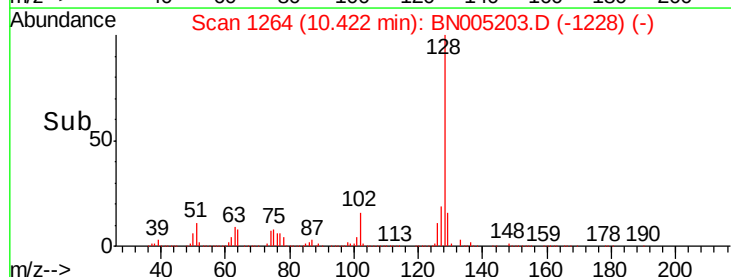
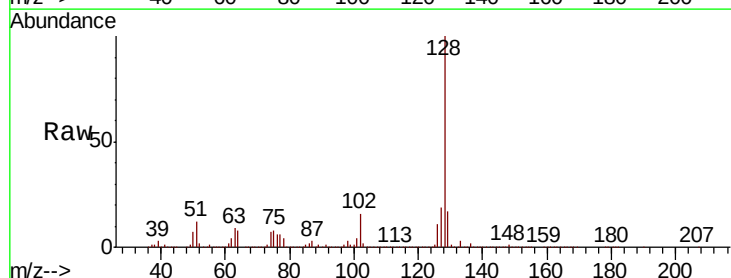
Tgt Ion:128 Resp:41100848

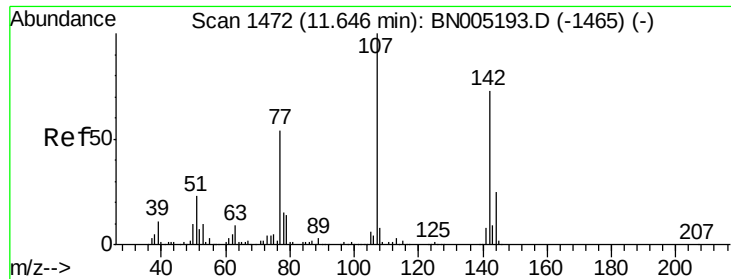
Ion Ratio Lower Upper

128 100

129 16.7 9.2 13.8#

127 19.2 10.7 16.1#





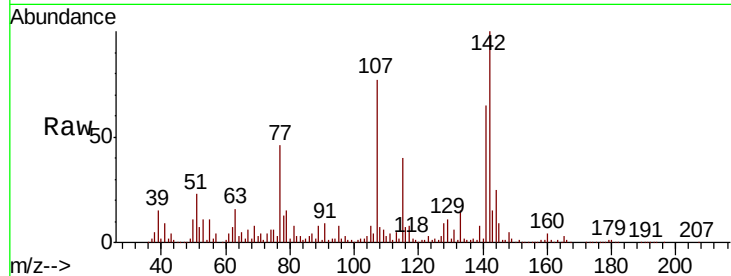
#33
4-Chloro-3-methylphenol
Concen: 27.493 ng/ul
RT: 11.69 min Scan# 1480
Delta R.T. 0.04 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

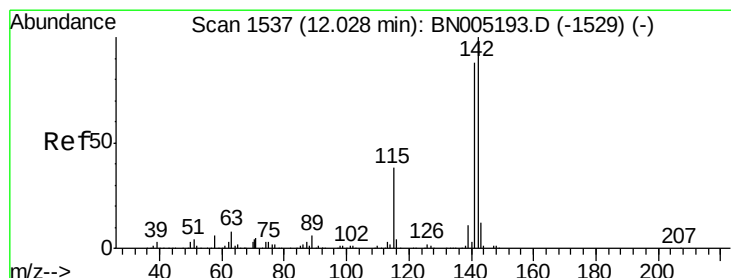
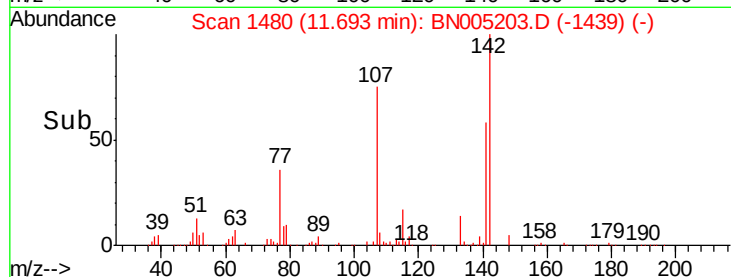
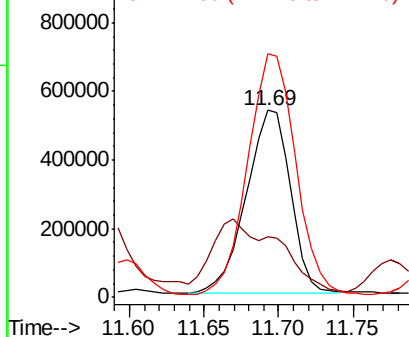
Tot Ion:107 Resp: 1086478
Ion Ratio Lower Upper
107 100
144 32.6 19.4 29.0#
142 130.3 57.7 86.5#

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

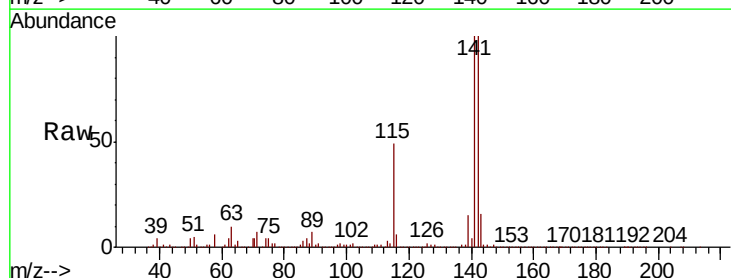


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

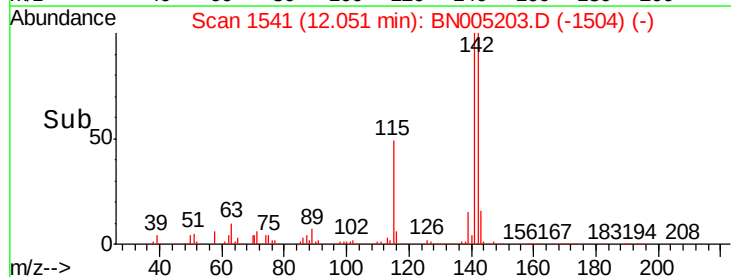
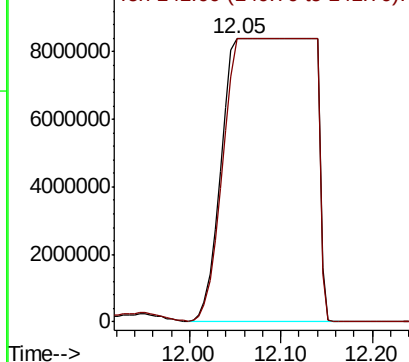


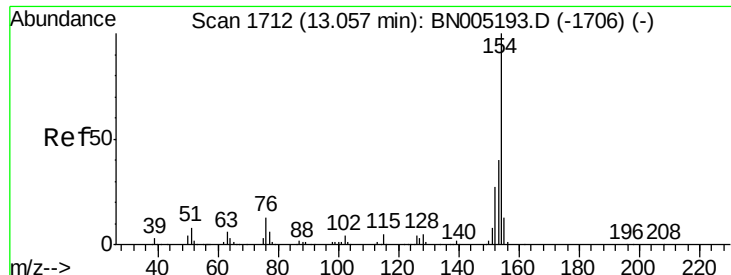
#34
2-Methylnaphthalene
Concen: 666.204 ng/ul m
RT: 12.05 min Scan# 1541
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion:142 Resp:56381494
Ion Ratio Lower Upper
142 100
141 100.0 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





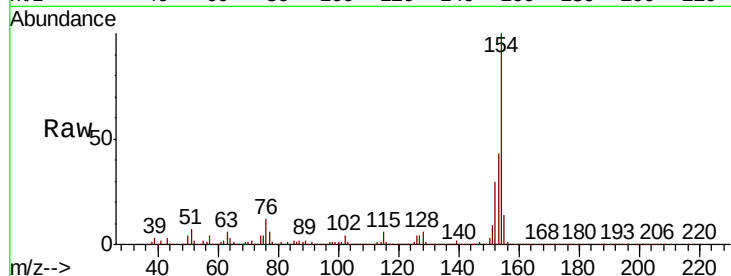
#40
1,1'-Biphenyl
Concen: 100.250 ng/ul
RT: 13.08 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampled :
GAHQ8MS

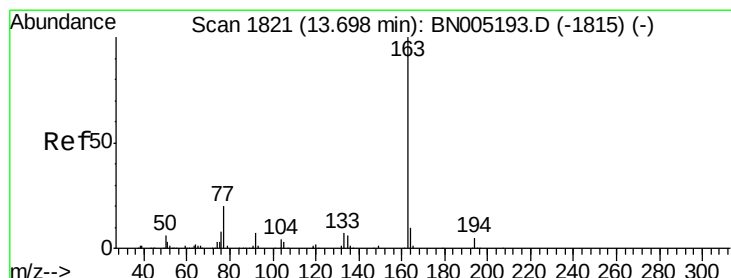
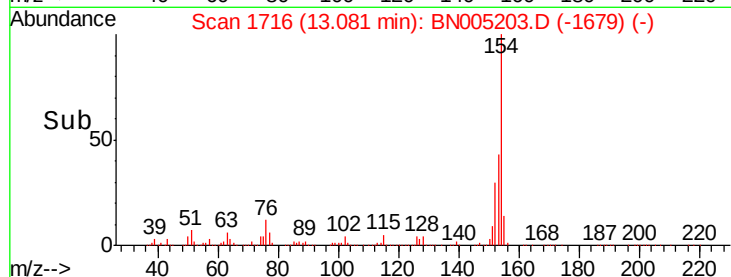
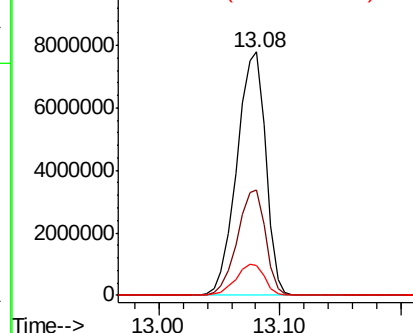
Tot Ion:154 Resp:12950906
Ion Ratio Lower Upper
154 100
153 43.4 32.6 49.0
76 12.3 10.4 15.6

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

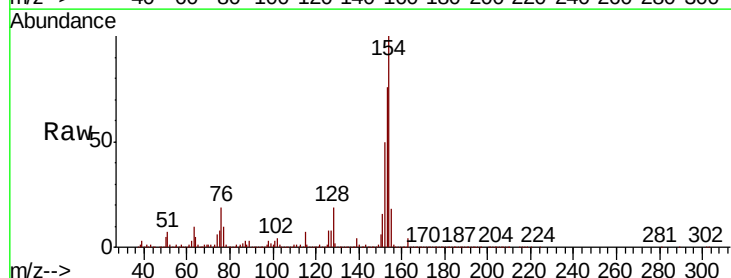


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC

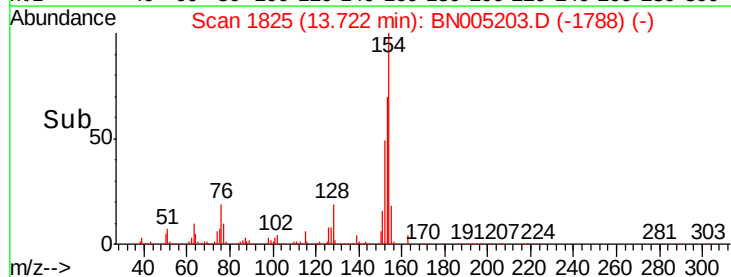
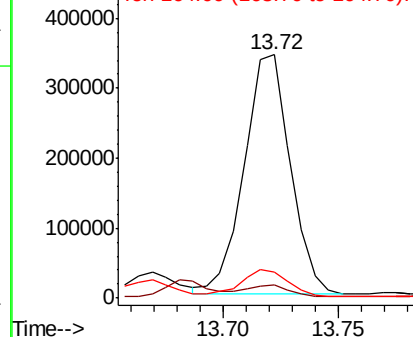


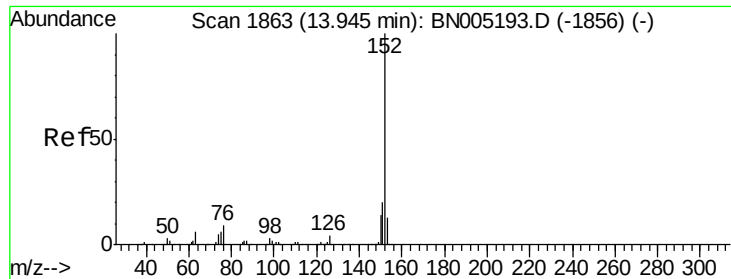
#44
Dimethylphthalate
Concen: 3.816 ng/ul
RT: 13.72 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion:163 Resp: 478598
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.0#
164 10.8 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: 152.283 ng/ul m

RT: 13.97 min Scan# 1868

Delta R.T. 0.02 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

Instrument :

BNA_N

ClientSampled :

GAHQ8MS

Tot Ion:152 Resp:23134604

Ion Ratio Lower Upper

152 100

151 25.9 15.8 23.8#

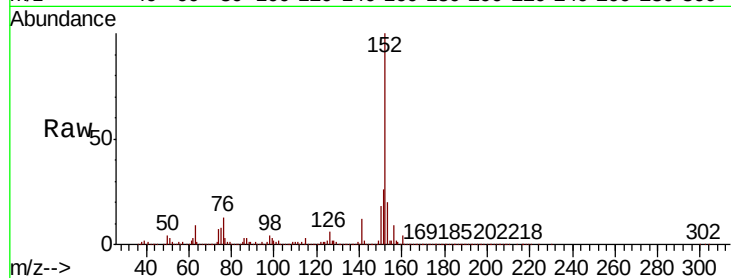
153 19.6 9.8 14.8#

Manual Integrations

APPROVED

Sohil

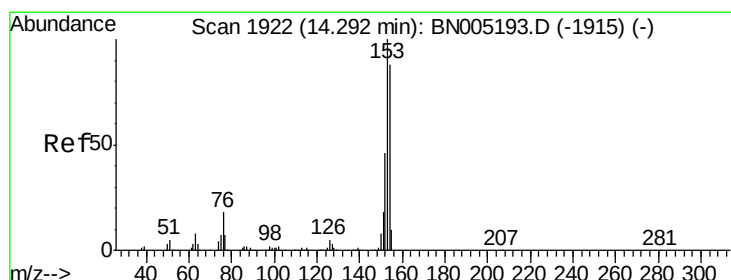
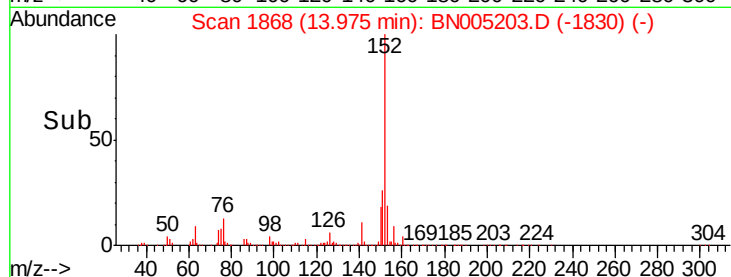
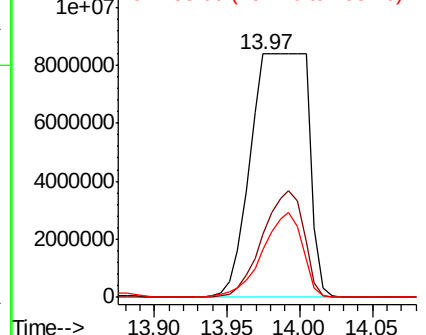
4/25/2019 5:36:37 AM



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: 67.073 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

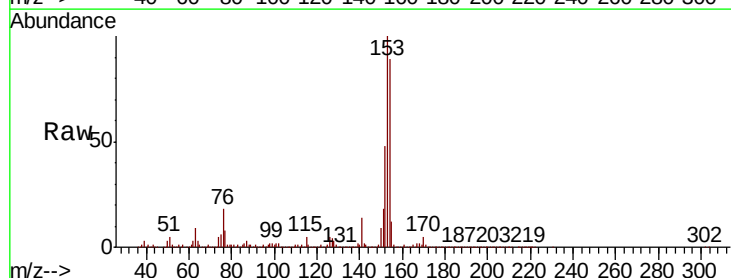
Tgt Ion:153 Resp: 6956330

Ion Ratio Lower Upper

153 100

152 48.1 37.4 56.0

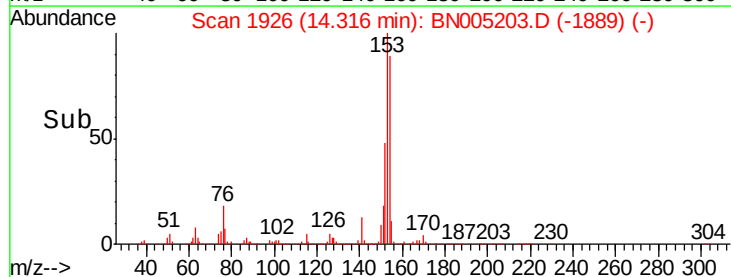
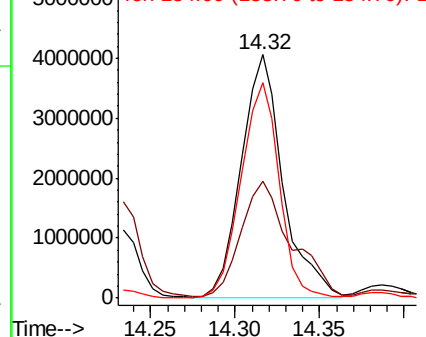
154 88.8 71.2 106.8

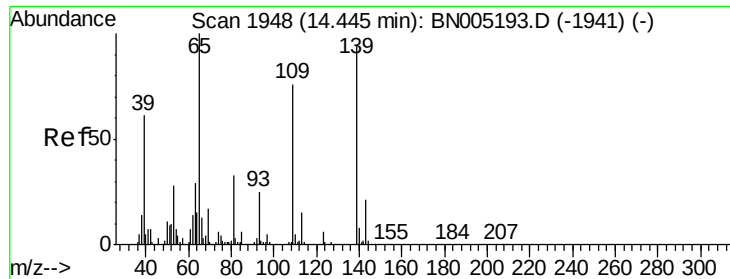


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





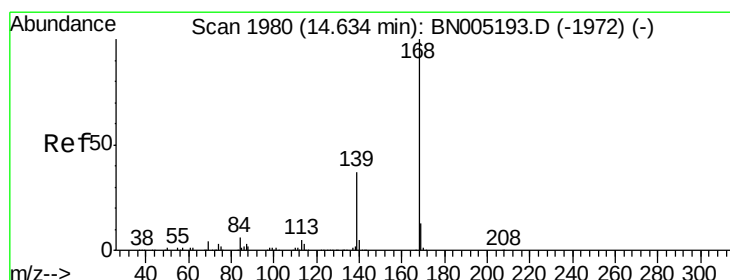
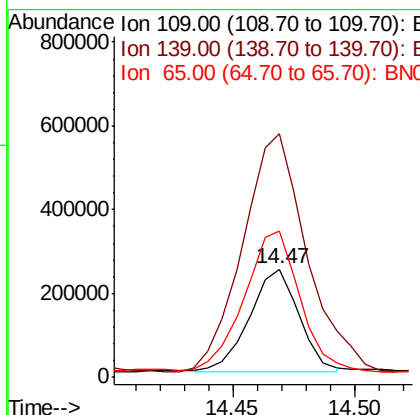
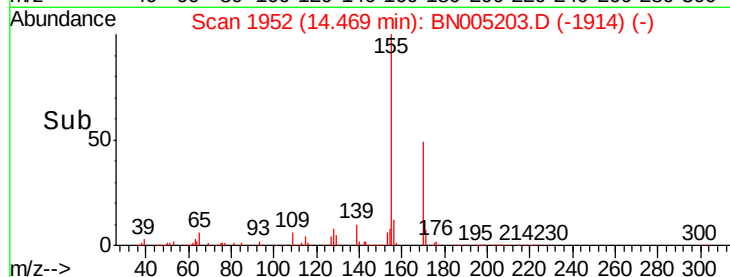
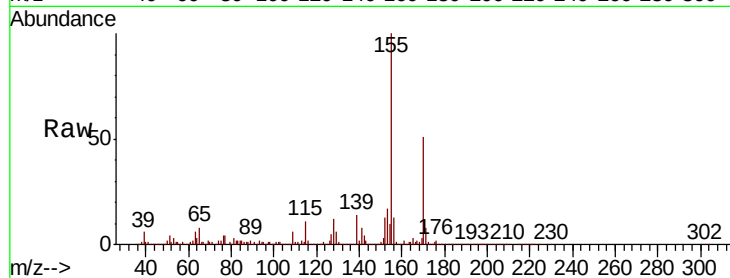
#52
4-Nitrophenol
Concen: 19.020 ng/ul m
RT: 14.47 min Scan# 1952
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampled :
GAHQ8MS

Tot Ion	Ratio	Resp	Lower	Upper
109	100	343106		
139	225.3	92.3	138.5#	
65	135.2	97.5	146.3	

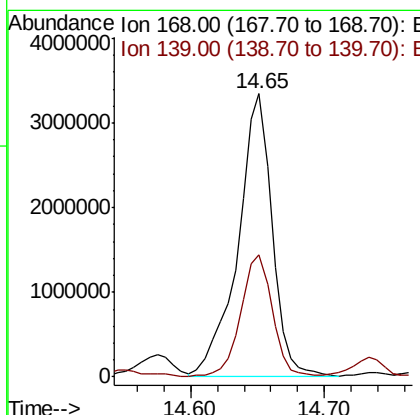
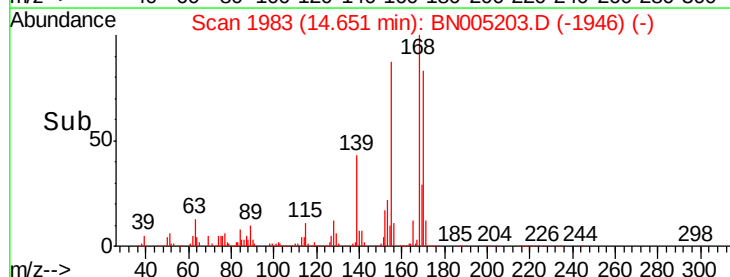
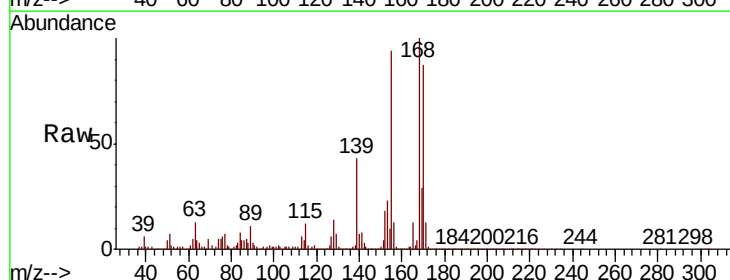
Manual Integrations
APPROVED

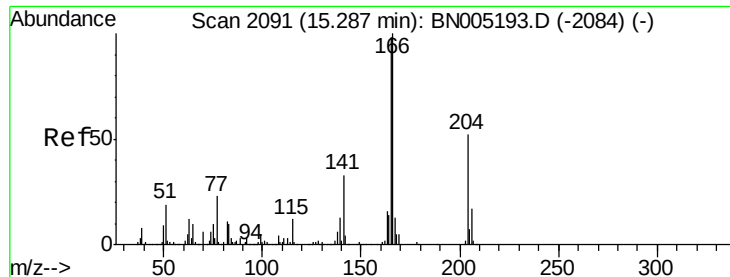
Sohil
4/25/2019 5:36:37 AM



#53
Dibenzofuran
Concen: 39.513 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	5900235		
139	43.3	30.9	46.3	





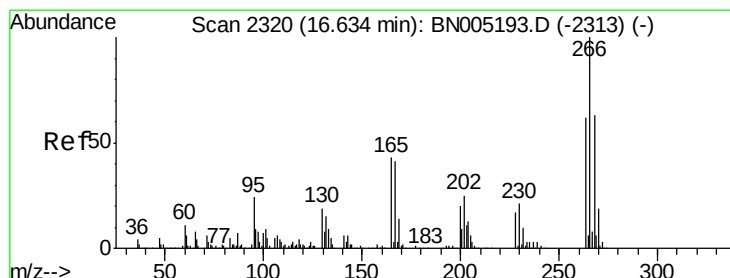
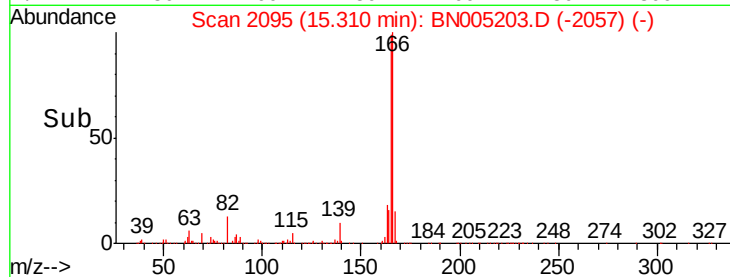
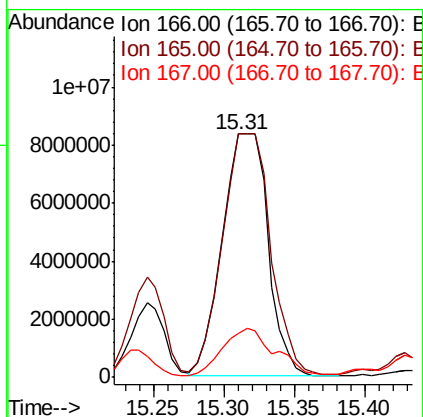
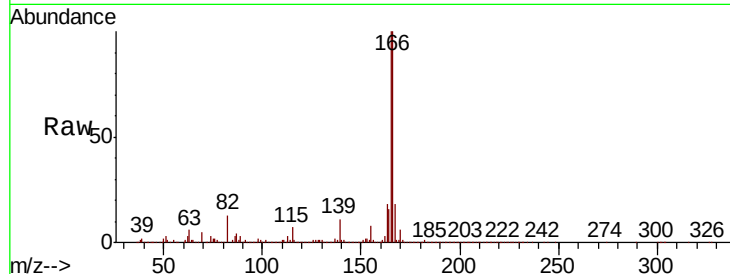
#58
 Fluorene
 Concen: 162.564 ng/ul
 RT: 15.31 min Scan# 2095
 Delta R.T. 0.02 min
 Lab File: BN005203.D
 Acq: 23 Apr 2019 08:31

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8MS

Tot Ion:166 Resp:18941746
 Ion Ratio Lower Upper
 166 100
 165 100.0 80.0 120.0
 167 18.3 10.7 16.1#

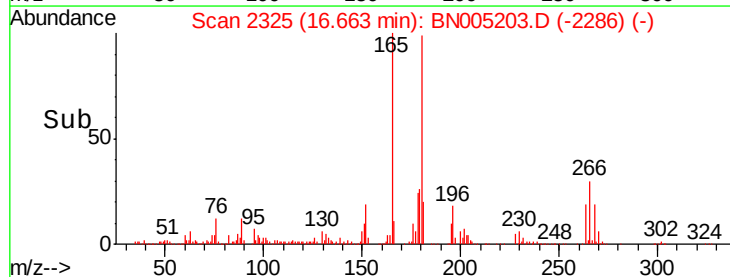
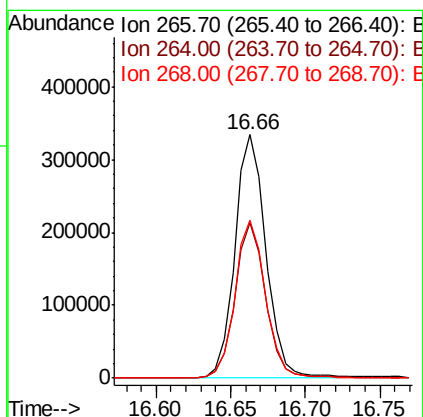
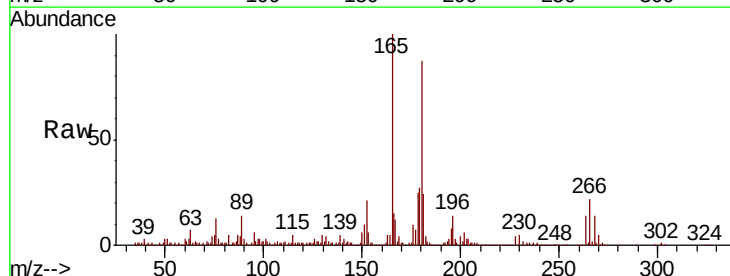
Manual Integrations
 APPROVED

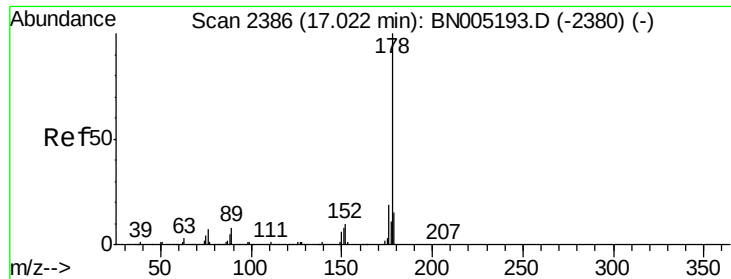
Sohil
 4/25/2019 5:36:37 AM



#68
 Pentachlorophenol
 Concen: 23.325 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.03 min
 Lab File: BN005203.D
 Acq: 23 Apr 2019 08:31

Tgt Ion:266 Resp: 483662
 Ion Ratio Lower Upper
 266 100
 264 63.8 49.7 74.5
 268 64.9 52.4 78.6





#69

Phenanthrene

Concen: 205.607 ng/ul m

RT: 17.04 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

Instrument :

BNA_N

ClientSampled :

GAHQ8MS

Tot Ion:178 Resp:33055933

Ion Ratio Lower Upper

178 100

179 23.1 12.2 18.4#

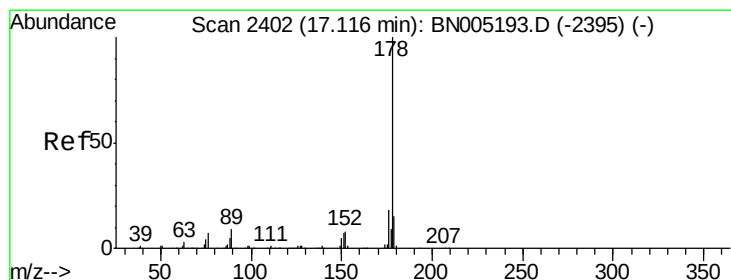
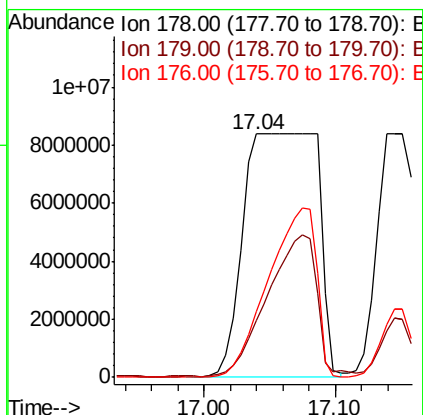
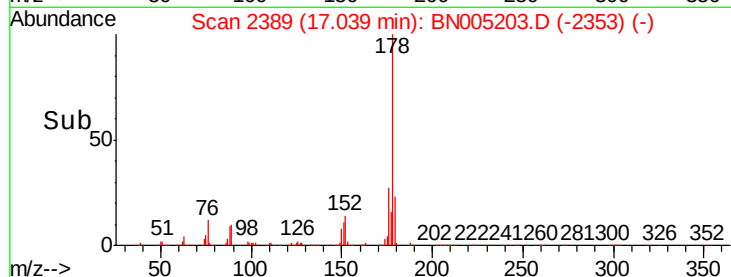
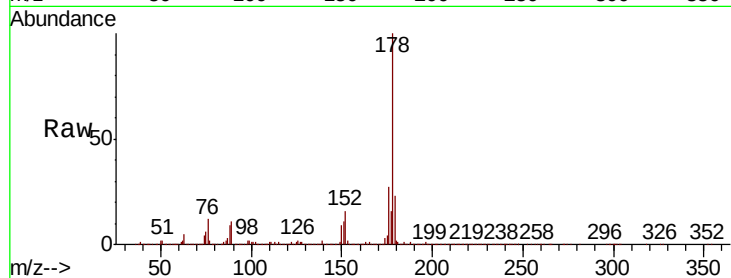
176 26.8 15.1 22.7#

Manual Integrations

APPROVED

Sohil

4/25/2019 5:36:37 AM



#71

Anthracene

Concen: 91.629 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.02 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

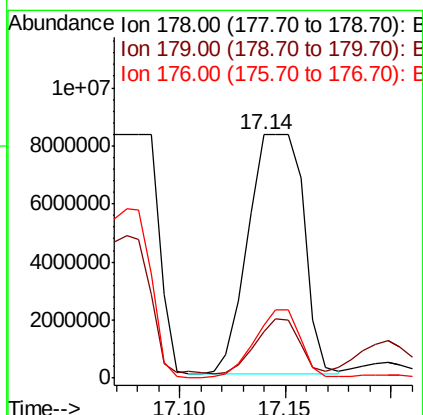
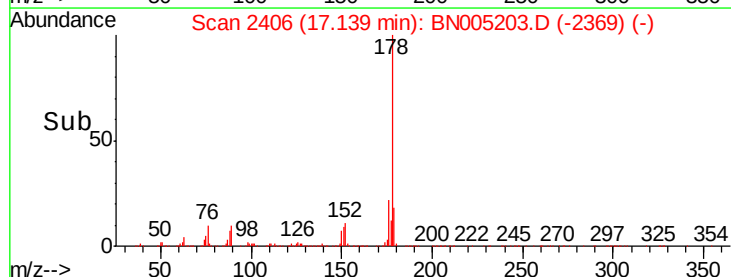
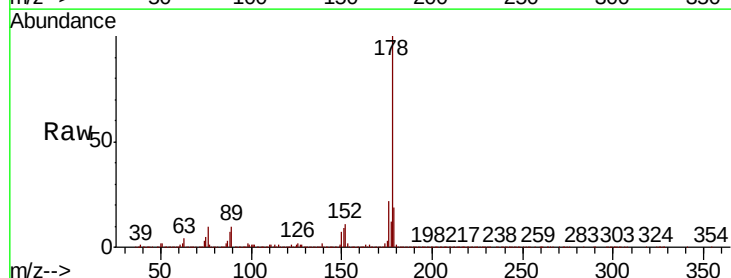
Tgt Ion:178 Resp:15006895

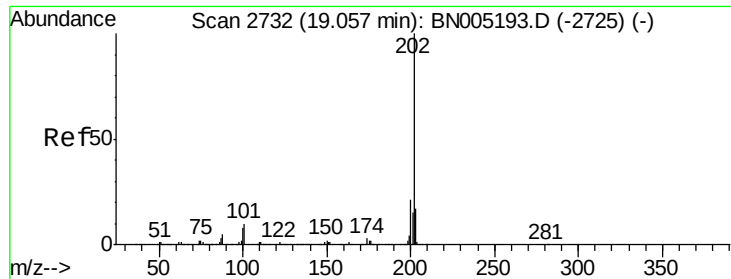
Ion Ratio Lower Upper

178 100

179 19.0 12.3 18.5#

176 21.8 15.1 22.7





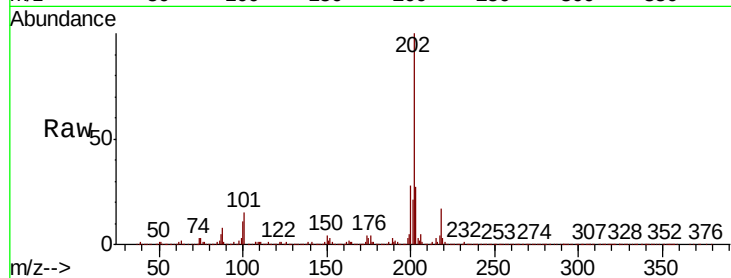
#76
Fluoranthene
Concen: 95.268 ng/ul m
RT: 19.07 min Scan# 2735
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

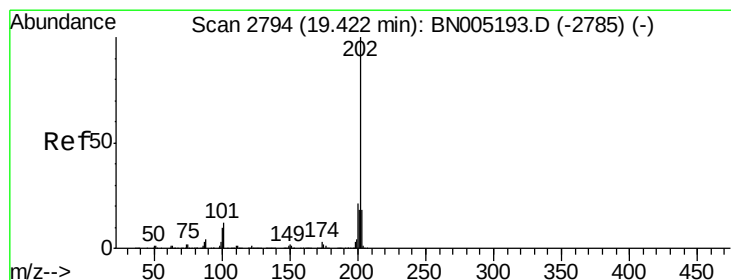
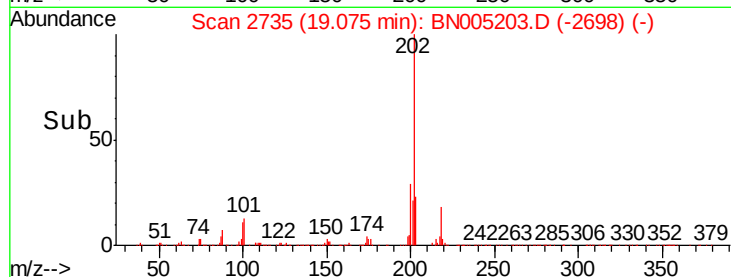
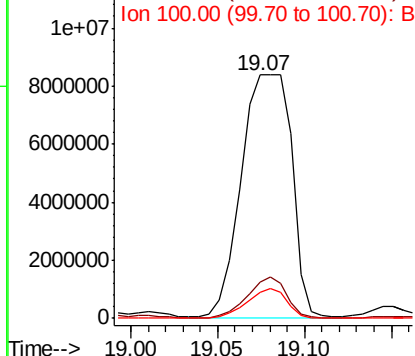
Tot Ion:202 Resp:16988889
Ion Ratio Lower Upper
202 100
101 14.7 8.6 12.8#
100 10.7 6.3 9.5#

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

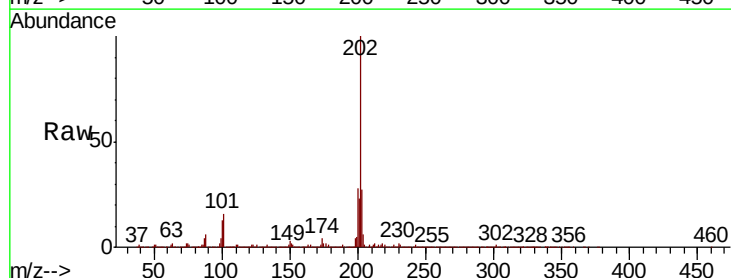


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

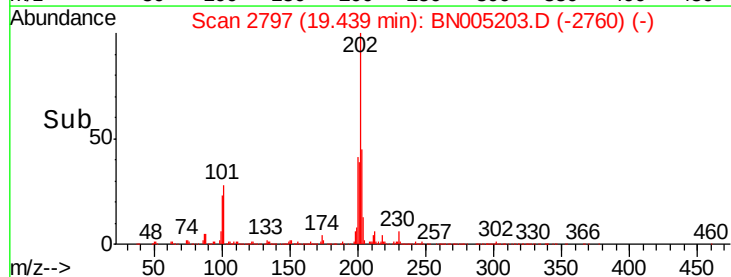
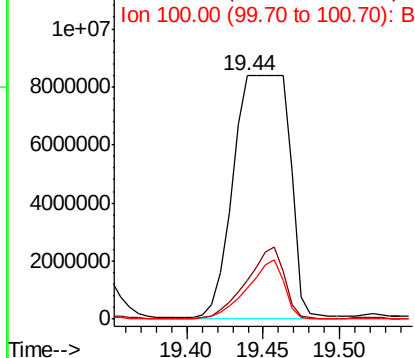


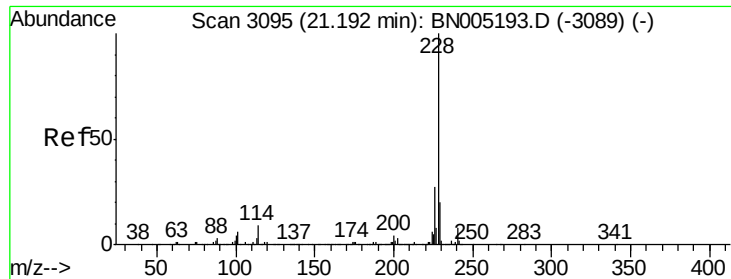
#79
Pyrene
Concen: 122.378 ng/ul m
RT: 19.44 min Scan# 2797
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion:202 Resp:21508152
Ion Ratio Lower Upper
202 100
101 16.0 10.3 15.5#
100 12.6 7.9 11.9#



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





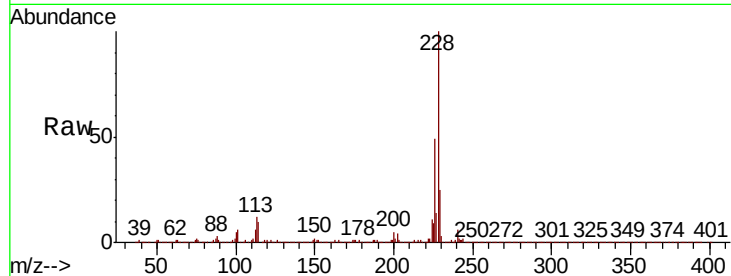
#82
Benzo(a)anthracene
Concen: 80.057 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampled :
GAHQ8MS

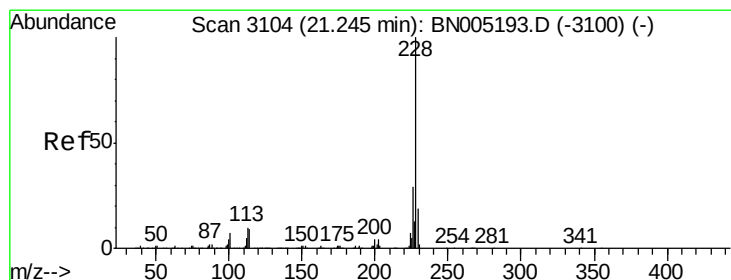
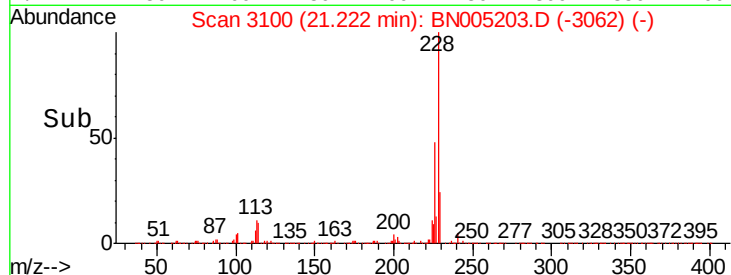
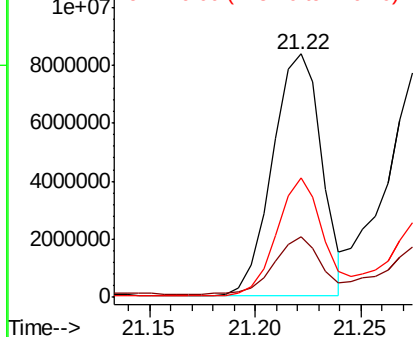
Tot Ion:228 Resp:13594538
Ion Ratio Lower Upper
228 100
229 24.8 15.8 23.6#
226 48.8 21.4 32.2#

Manual Integrations
APPROVED

Sohil
4/25/2019 5:36:37 AM

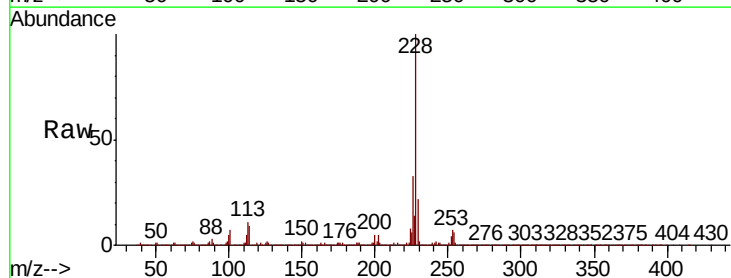


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

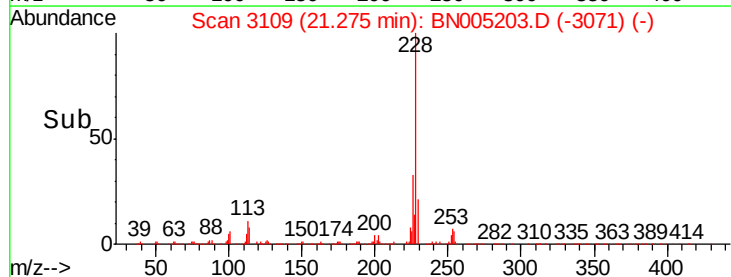
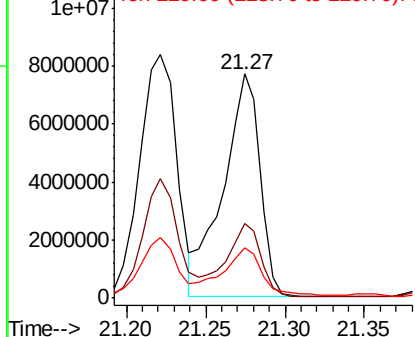


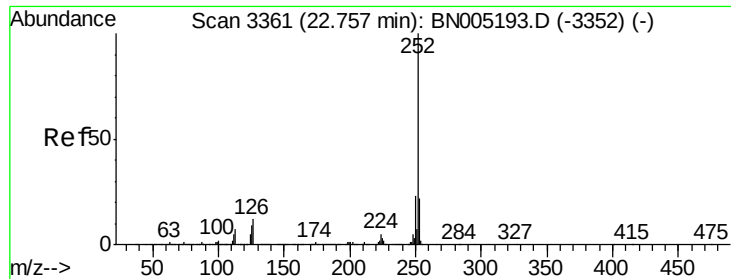
#84
Chrysene
Concen: 78.244 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.02 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion:228 Resp:12331286
Ion Ratio Lower Upper
228 100
226 33.2 24.0 36.0
229 22.3 15.4 23.0



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





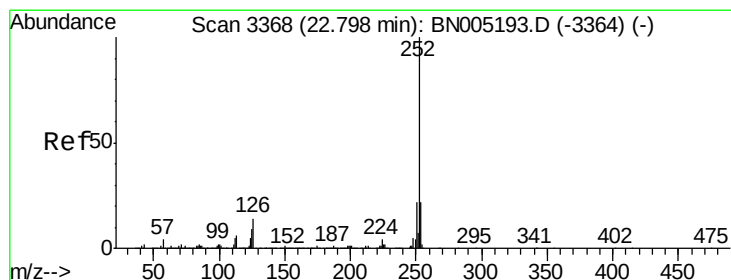
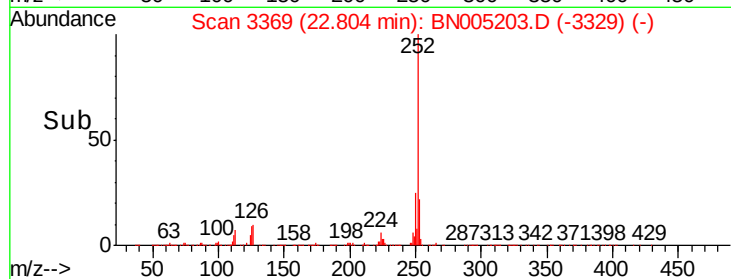
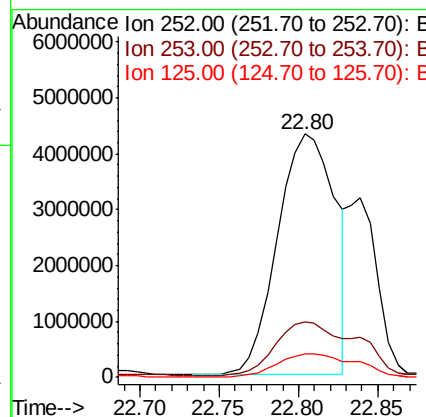
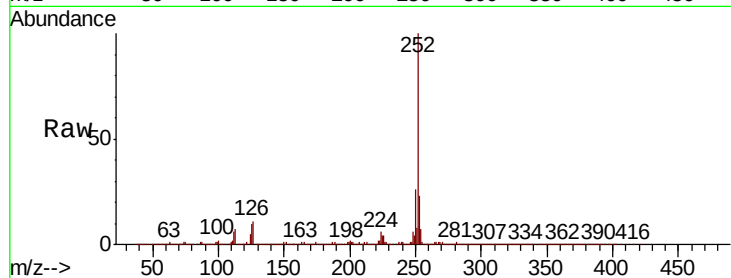
#87
Benzo(b)fluoranthene
Concen: 59.375 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.04 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampled :
GAHQ8MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	9.8	8.4	12.6

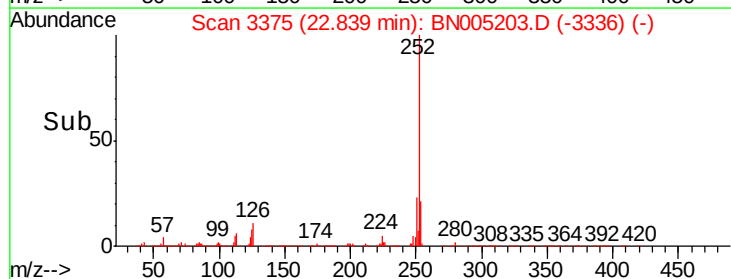
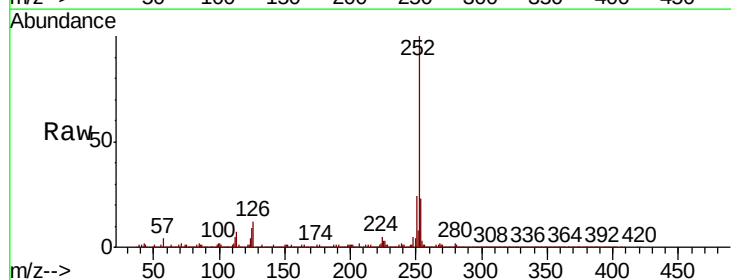
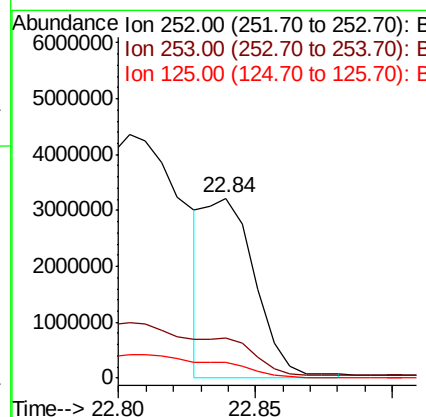
Manual Integrations
APPROVED

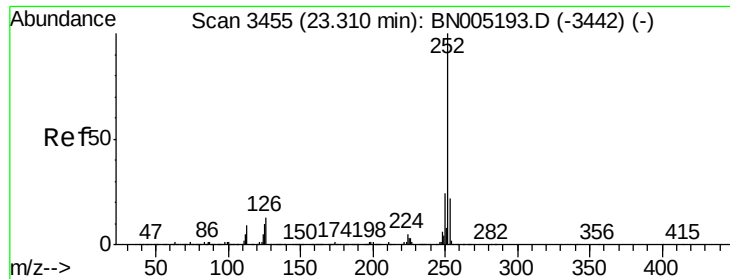
Sohil
4/25/2019 5:36:37 AM



#88
Benzo(k)fluoranthene
Concen: 23.479 ng/ul m
RT: 22.84 min Scan# 3375
Delta R.T. 0.03 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	8.8	7.5	11.3





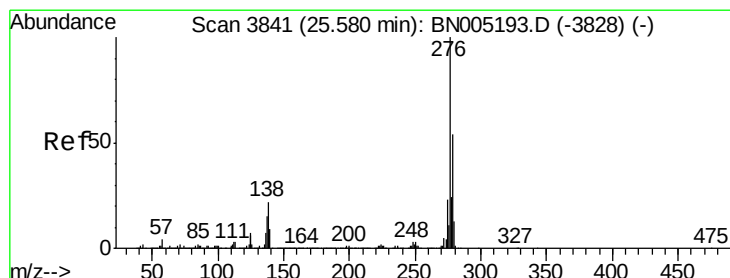
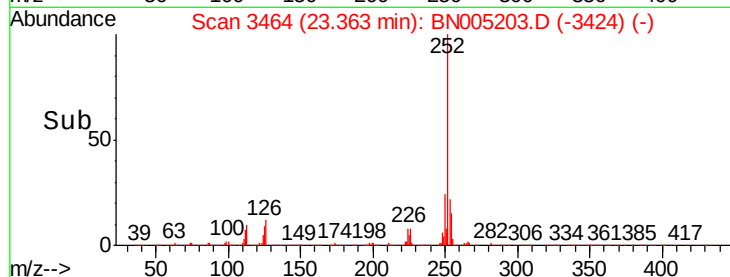
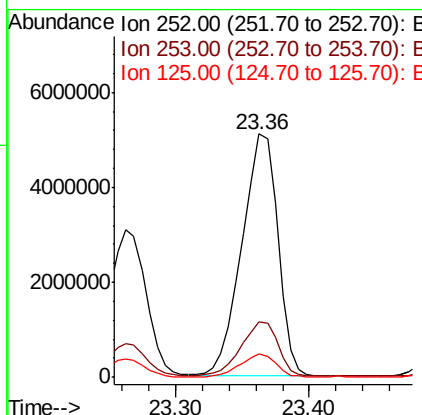
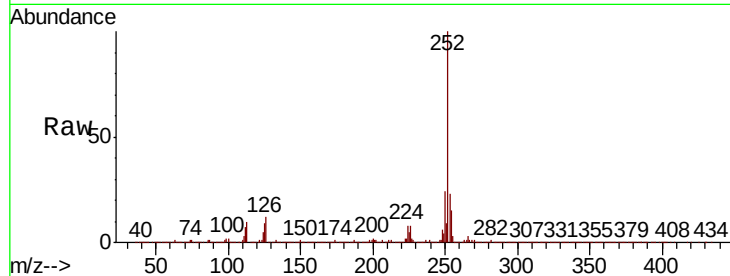
#90
Benzo(a)pyrene
Concen: 54.752 ng/ul
RT: 23.36 min Scan# 3464
Delta R.T. 0.04 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Instrument :
BNA_N
ClientSampleId :
GAHQ8MS

Tot Ion:252 Resp: 9474432
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 9.5 8.6 13.0

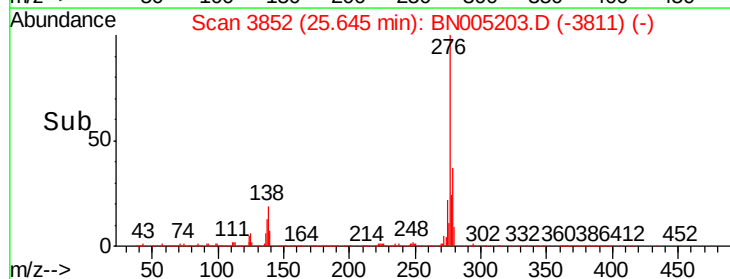
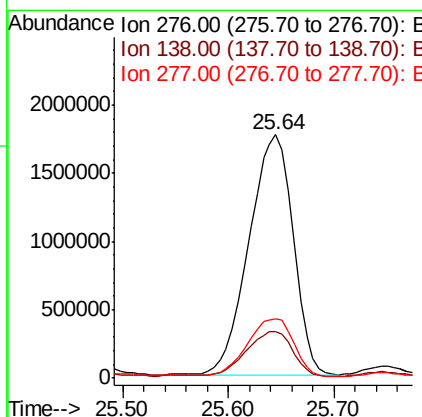
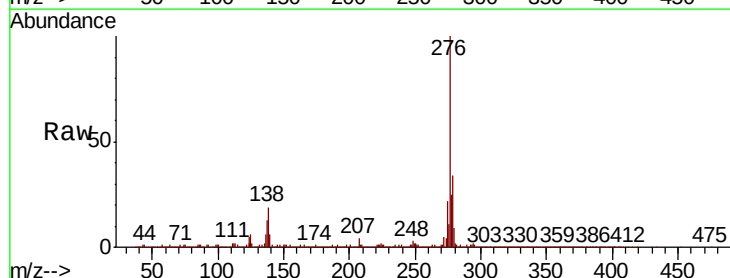
Manual Integrations
APPROVED

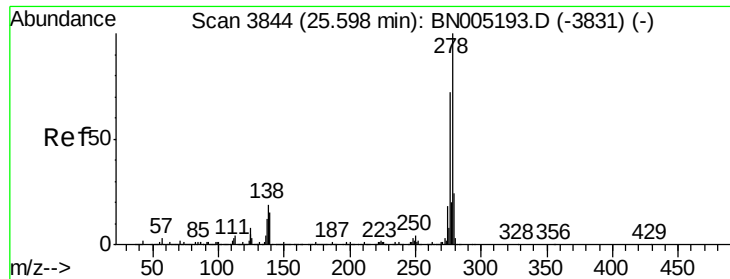
Sohil
4/25/2019 5:36:37 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 26.733 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. 0.04 min
Lab File: BN005203.D
Acq: 23 Apr 2019 08:31

Tgt Ion:276 Resp: 5114485
Ion Ratio Lower Upper
276 100
138 19.1 17.9 26.9
277 24.5 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 10.717 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. 0.03 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

Instrument :

BNA_N

ClientSampleId :

GAHQ8MS

Tot Ion:278 Resp: 1740116

Ion Ratio Lower Upper

278 100

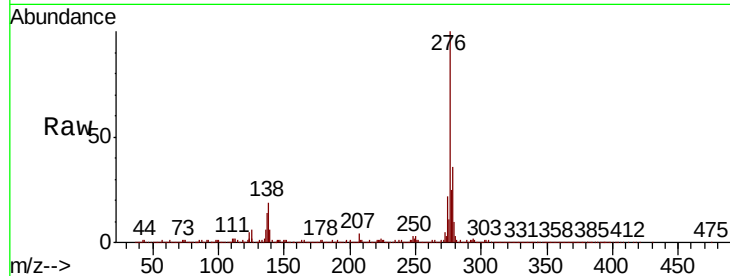
139 16.6 13.1 19.7

279 26.2 19.4 29.0

Manual Integrations
APPROVED

Sohil

4/25/2019 5:36:37 AM

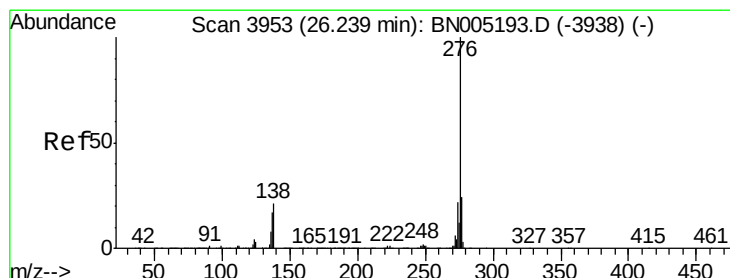
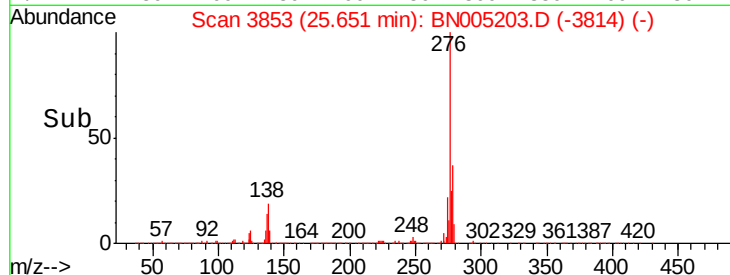
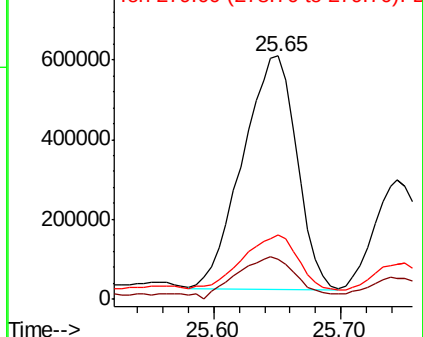


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 21.923 ng/ul

RT: 26.31 min Scan# 3965

Delta R.T. 0.05 min

Lab File: BN005203.D

Acq: 23 Apr 2019 08:31

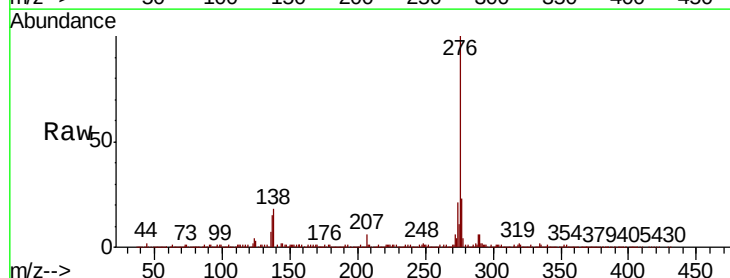
Tgt Ion:276 Resp: 3468129

Ion Ratio Lower Upper

276 100

138 18.3 16.7 25.1

277 23.4 18.2 27.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

