

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005302.D
 Acq On : 26 Apr 2019 04:10
 Operator : JU/SJ
 Sample : K2402-08MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9MS

Manual Integrations
 APPROVED

Sohil
 4/30/2019 7:00:41 PM

Quant Time: Apr 27 05:34:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	443994	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1938751	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1176357	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2769324	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	2105554	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	2283869m	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	34607	3.76	ng/uL	0.00
5) Phenol-d5	6.78	99	889784	25.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	520238	23.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	691092	25.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	739262	27.12	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	375805	31.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	415881	34.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	758298	27.35	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	401906	14.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2323974	27.22	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2913676	27.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	420759	31.21	ng/ul	0.00
57) Fluorene-d10	15.23	176	2048246	28.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	285000	22.88	ng/ul	0.00
70) Anthracene-d10	17.08	188	3277104	28.23	ng/ul	0.00
78) Pyrene-d10	19.41	212	3463170	32.15	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	2706136	27.11	ng/ul	-0.01

Target Compounds

					Qvalue
6) Phenol	6.80	94	900589	25.108	ng/ul 98
10) 2-Chlorophenol	7.16	128	672881	24.389	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.39	70	566577	24.279	ng/ul 92
28) Naphthalene	10.40	128	1564418	17.357	ng/ul 100
33) 4-Chloro-3-methylphenol	11.65	107	823416	26.721	ng/ul 95
34) 2-Methylnaphthalene	12.03	142	2660302	40.311	ng/ul 97
40) 1,1'-Biphenyl	13.05	154	285379	3.256	ng/ul 99
44) Dimethylphthalate	13.69	163	688144	8.087	ng/ul 99
47) Acenaphthylene	13.95	152	10296484	99.895	ng/ul 97
49) Acenaphthene	14.29	153	2086288	29.649	ng/ul 98
52) 4-Nitrophenol	14.45	109	351035	28.682	ng/ul 94
54) 2,4-Dinitrotoluene	14.60	165	689140	32.537	ng/ul# 93
58) Fluorene	15.29	166	1519869m	19.225	ng/ul
68) Pentachlorophenol	16.64	266	457268	26.287	ng/ul 97
69) Phenanthrene	17.03	178	5615218	41.634	ng/ul 98
71) Anthracene	17.12	178	4525264	32.937	ng/ul 99
76) Fluoranthene	19.07	202	18472796m	123.484	ng/ul
79) Pyrene	19.43	202	26376597m	194.561	ng/ul
82) Benzo(a)anthracene	21.21	228	16420066	125.356	ng/ul# 55
83) Bis(2-ethylhexyl)phthalate	21.16	149	119333	1.444	ng/ul# 85
84) Chrysene	21.27	228	16731192	137.628	ng/ul# 76
87) Benzo(b)fluoranthene	22.79	252	15012443	116.935	ng/ul 98
88) Benzo(k)fluoranthene	22.82	252	4018439m	32.773	ng/ul

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005302.D
Acq On : 26 Apr 2019 04:10
Operator : JU/SJ
Sample : K2402-08MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM

Quant Time: Apr 27 05:34:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.35	252	13709299m	113.607	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.63	276	6087499m	45.627	ng/ul	
92) Dibenzo(a,h)anthracene	25.63	278	2166455m	19.134	ng/ul	
93) Benzo(g,h,i)perylene	26.29	276	4484219m	40.648	ng/ul	

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

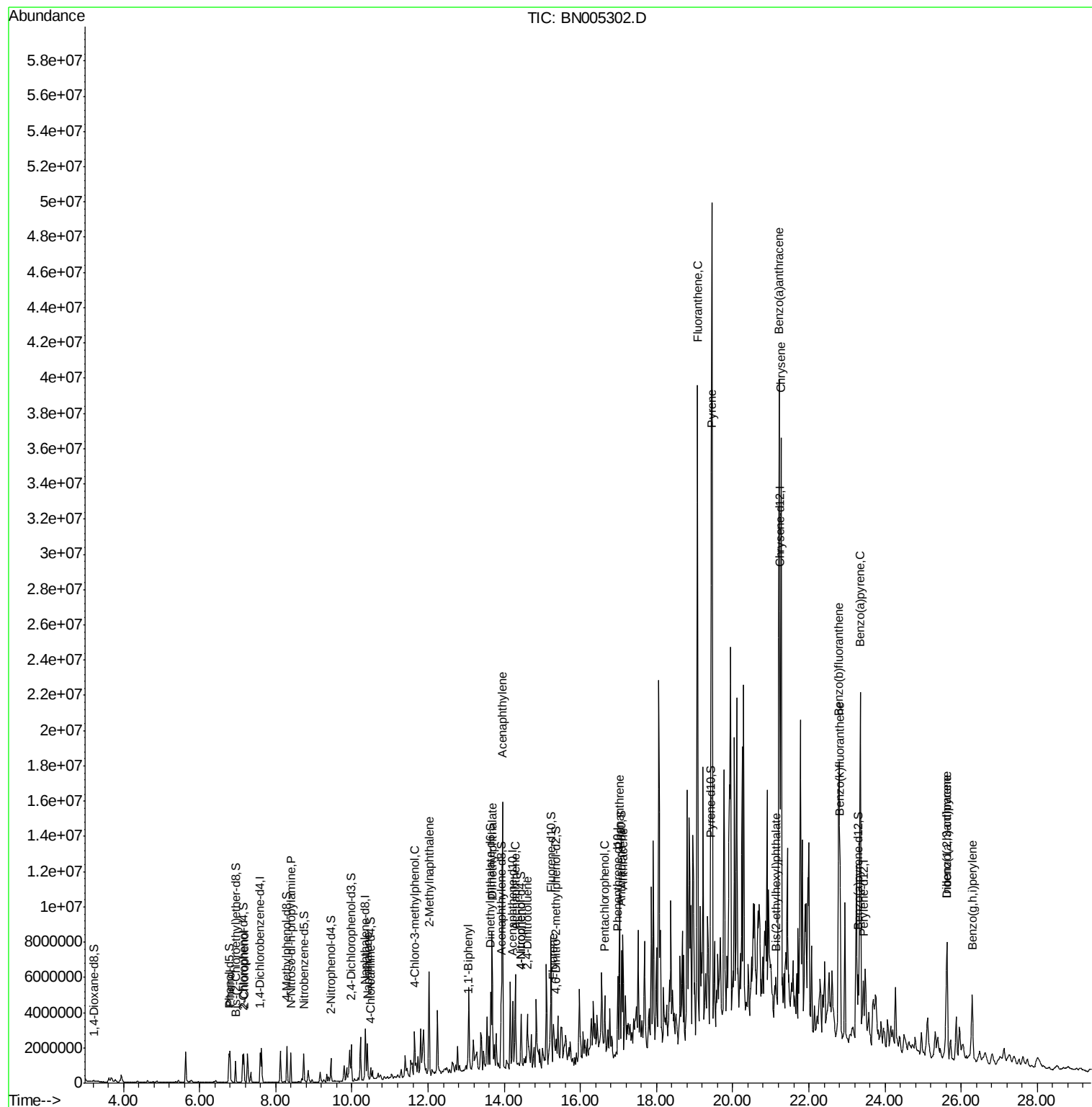
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005302.D
Acq On : 26 Apr 2019 04:10
Operator : JU/SJ
Sample : K2402-08MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

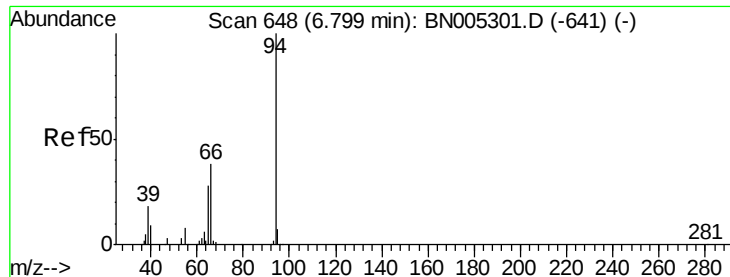
Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM

Quant Time: Apr 27 05:34:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration





#6

Phenol

Concen: 25.108 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Instrument :

BNA_N

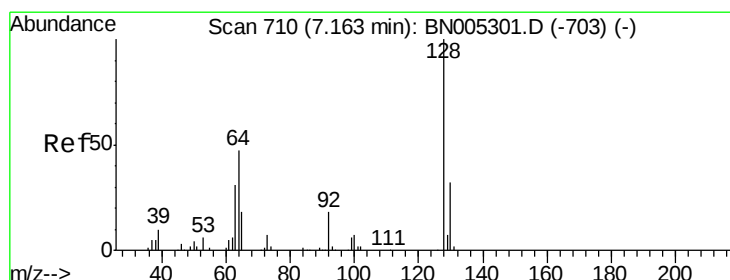
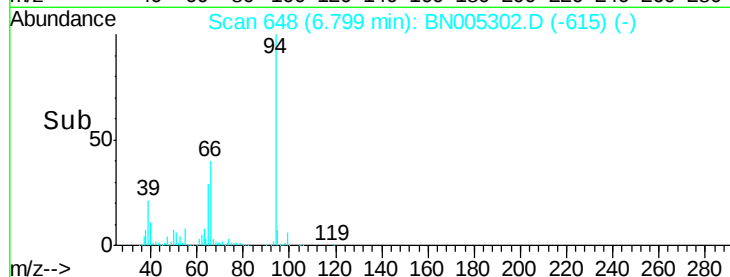
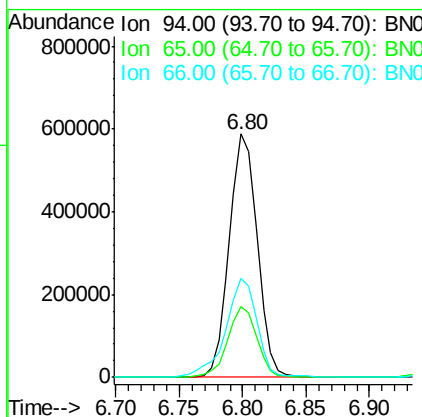
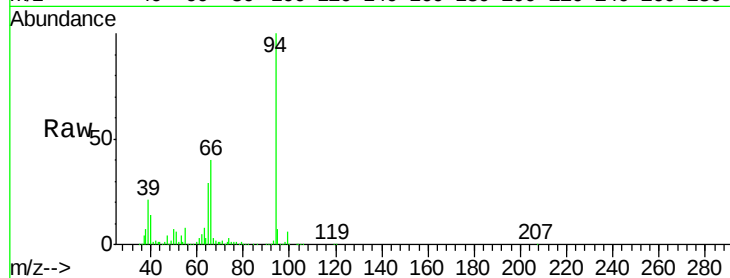
ClientSampleId :

GAHH9MS

Tgt Ion:	94	Resp:	900589
Ion	Ratio	Lower	Upper
94	100		
65	29.3	24.2	36.4
66	40.5	33.8	50.6

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM



#10

2-Chlorophenol

Concen: 24.389 ng/ul

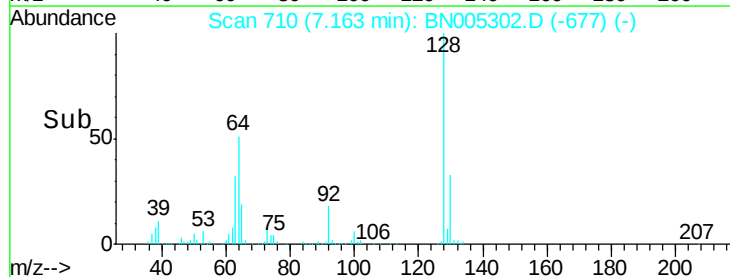
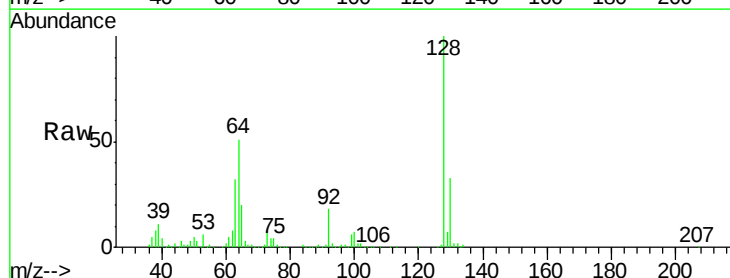
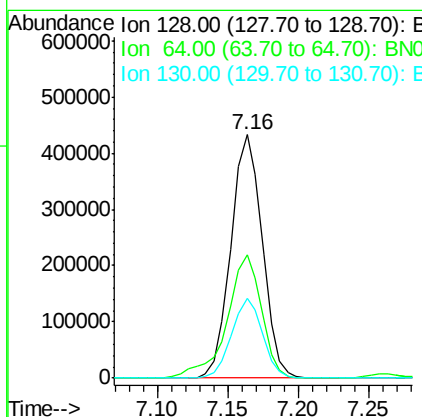
RT: 7.16 min Scan# 710

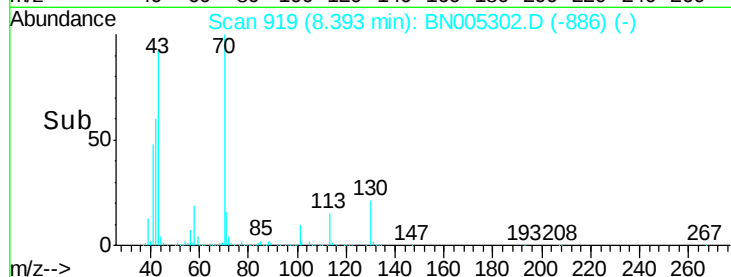
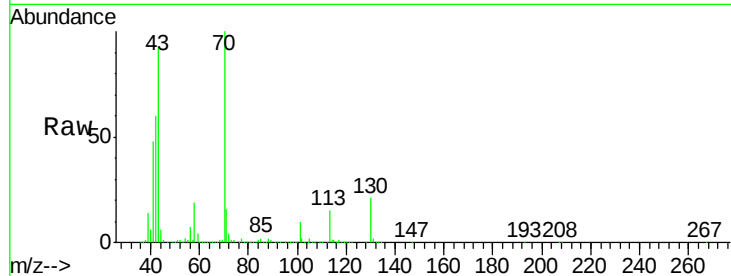
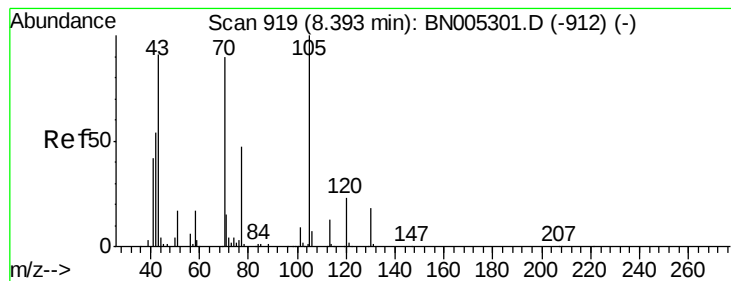
Delta R.T. -0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Tgt Ion:	128	Resp:	672881
Ion	Ratio	Lower	Upper
128	100		
64	50.9	42.3	63.5
130	32.6	26.5	39.7





#15

N-Nitroso-di-n-propylamine

Concen: 24.279 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Tgt Ion:	70	Resp:	566577
Ion Ratio	Lower	Upper	
70	100		
42	59.7	53.8	80.8
101	10.3	7.7	11.5
130	21.3	15.0	22.4

Instrument :

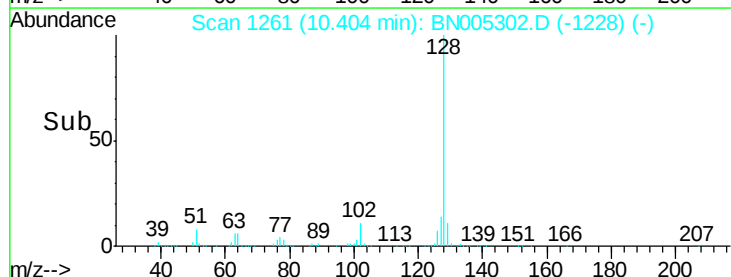
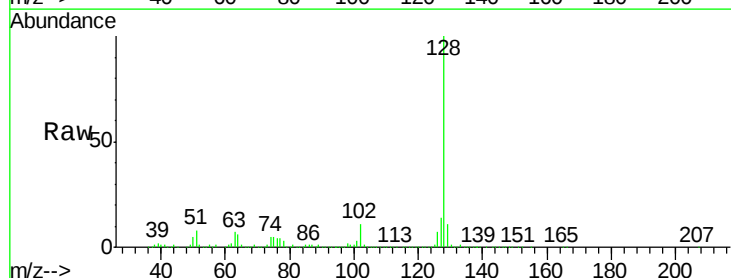
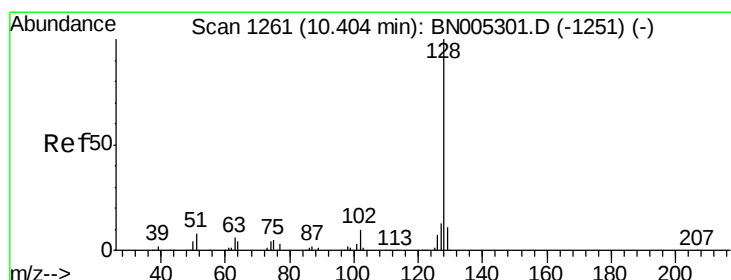
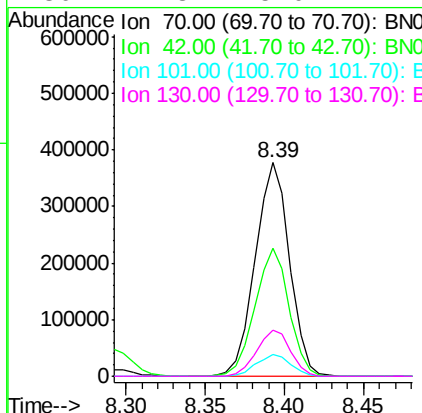
BNA_N

ClientSampleId :

GAHH9MS

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM



#28

Naphthalene

Concen: 17.357 ng/ul

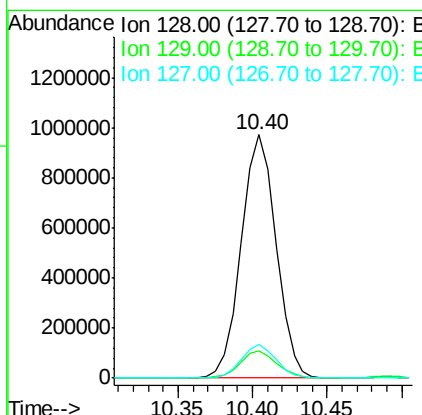
RT: 10.40 min Scan# 1261

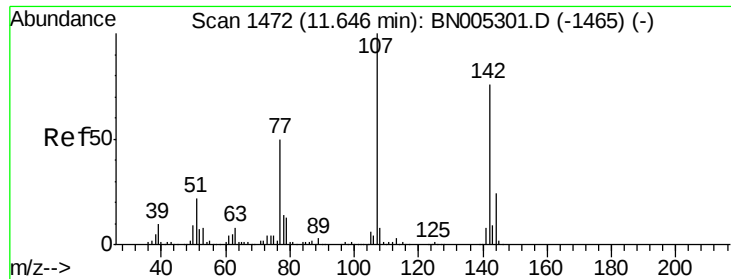
Delta R.T. -0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Tgt Ion:	128	Resp:	1564418
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.2	13.8
127	13.7	10.7	16.1





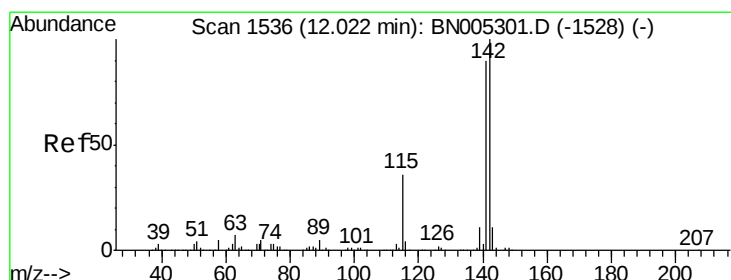
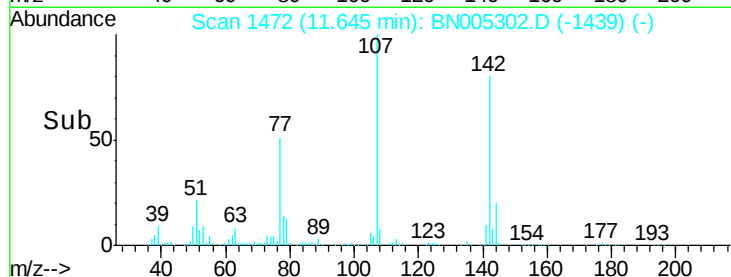
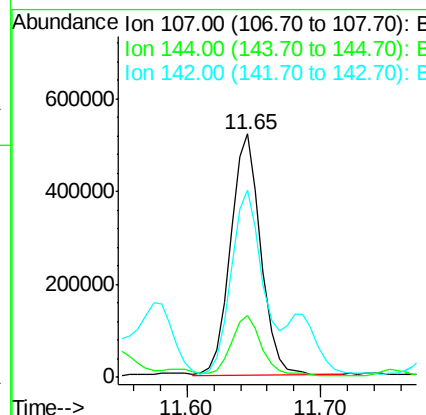
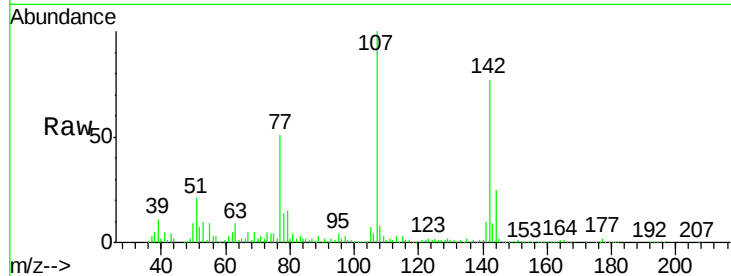
#33
 4-Chloro-3-methylphenol
 Concen: 26.721 ng/ul
 RT: 11.65 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9MS

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	19.4	29.0
142	77.1	57.7	86.5

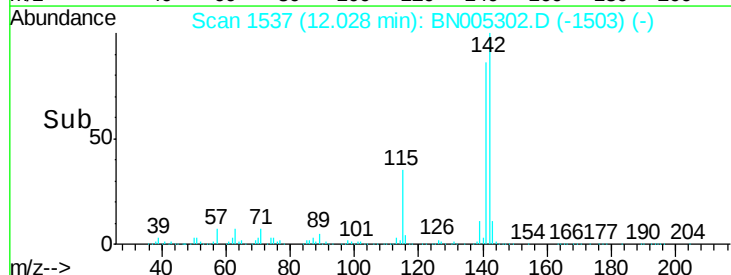
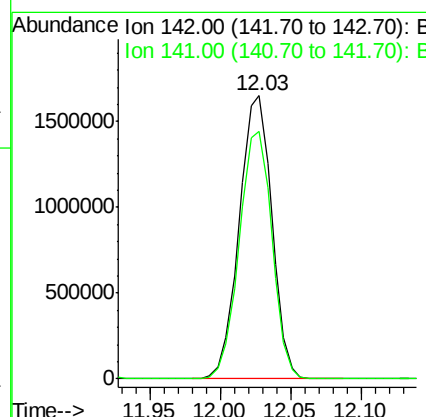
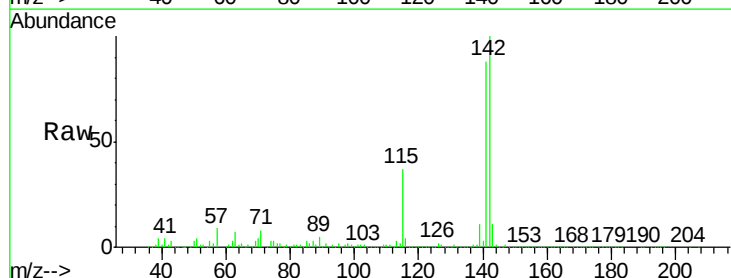
Manual Integrations
 APPROVED

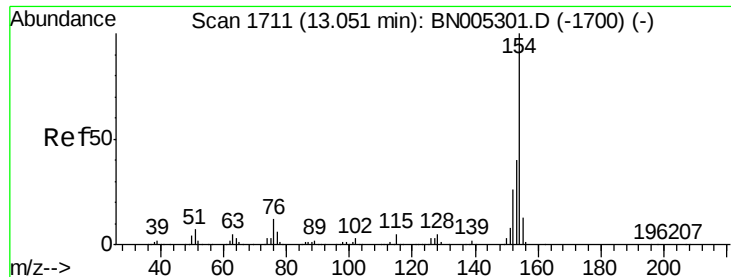
Sohil
 4/30/2019 7:00:41 PM



#34
 2-Methylnaphthalene
 Concen: 40.311 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.0	108.0





#40

1,1'-Biphenyl

Concen: 3.256 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Instrument :

BNA_N

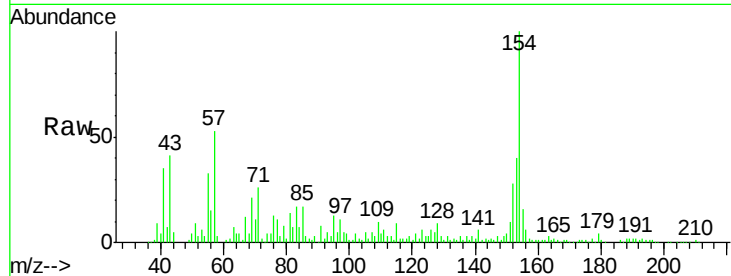
ClientSampled :

GAHH9MS

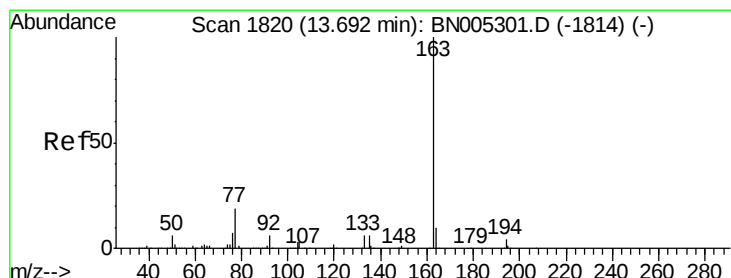
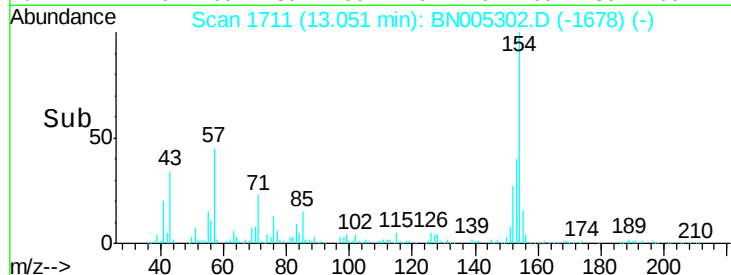
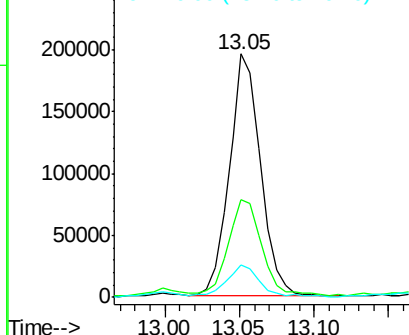
Tgt Ion:	154	Resp:	285379
Ion Ratio		Lower	Upper
154	100		
153	40.4	32.6	49.0
76	13.5	10.4	15.6

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM



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: 8.087 ng/ul

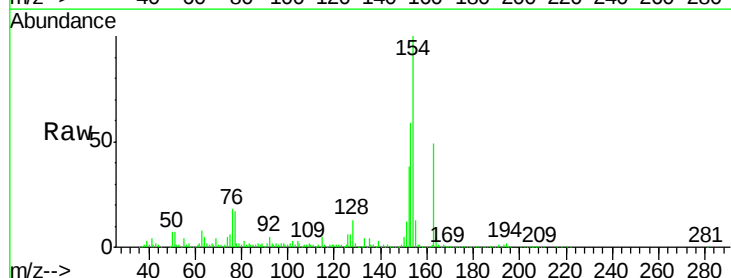
RT: 13.69 min Scan# 1820

Delta R.T. -0.01 min

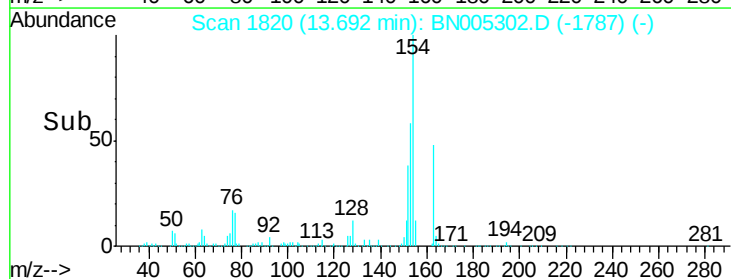
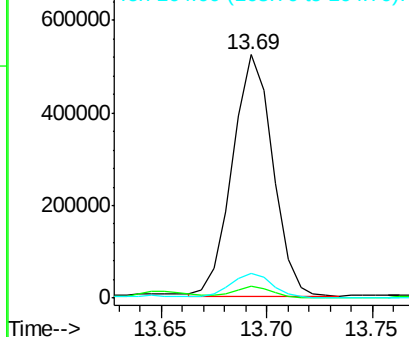
Lab File: BN005302.D

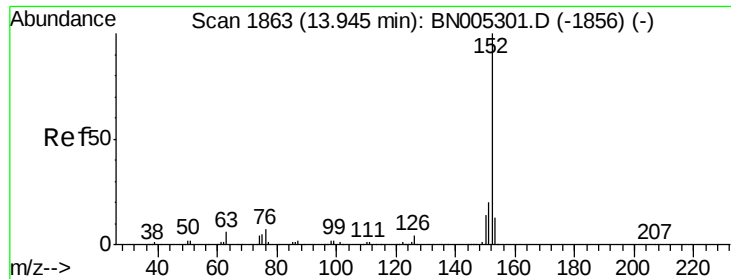
Acq: 26 Apr 2019 04:10

Tgt Ion:	163	Resp:	688144
Ion Ratio		Lower	Upper
163	100		
194	4.8	3.4	5.0
164	10.0	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





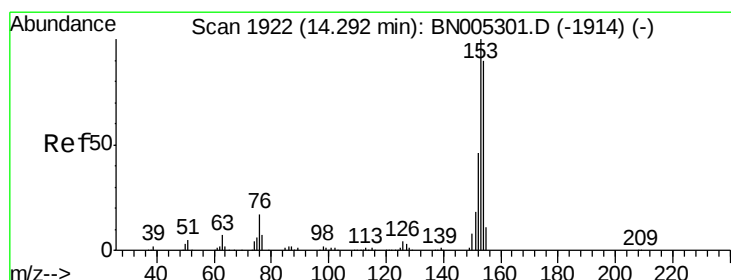
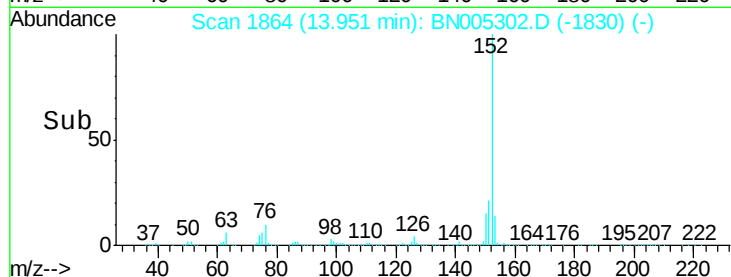
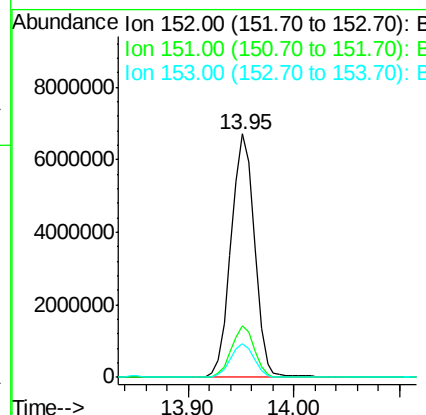
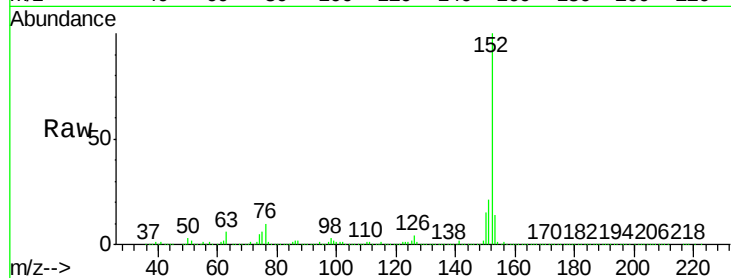
#47
Acenaphthylene
Concen: 99.895 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Tgt Ion:152 Resp:10296484
Ion Ratio Lower Upper
152 100
151 20.9 15.8 23.8
153 13.9 9.8 14.8

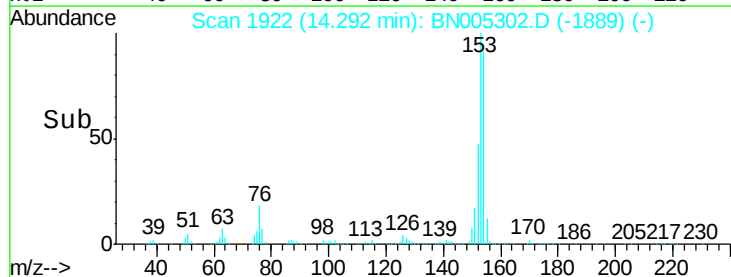
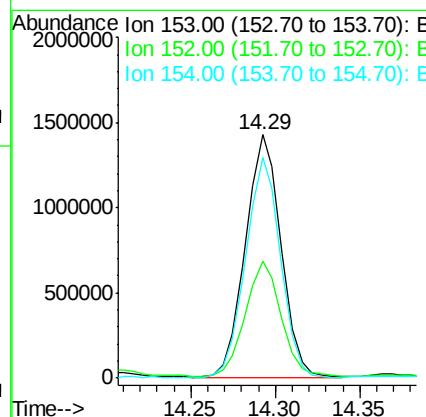
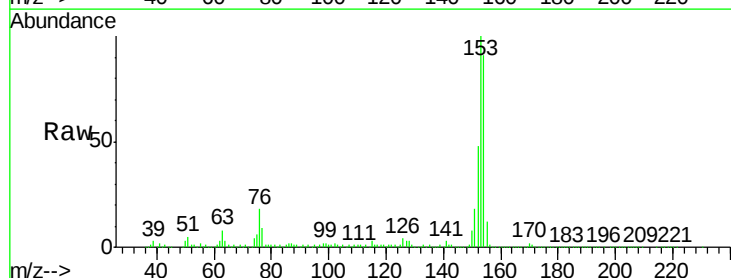
Manual Integrations
APPROVED

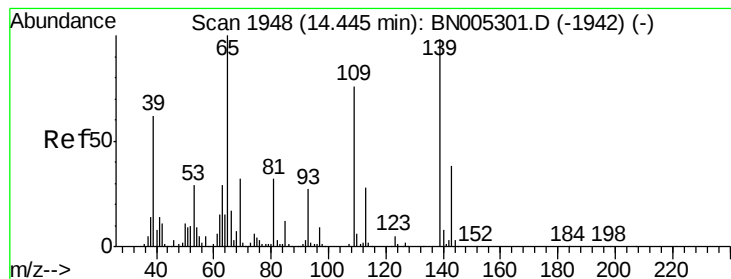
Sohil
4/30/2019 7:00:41 PM



#49
Acenaphthene
Concen: 29.649 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Tgt Ion:153 Resp: 2086288
Ion Ratio Lower Upper
153 100
152 48.0 37.4 56.0
154 90.6 71.2 106.8





#52

4-Nitrophenol

Concen: 28.682 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Instrument :

BNA_N

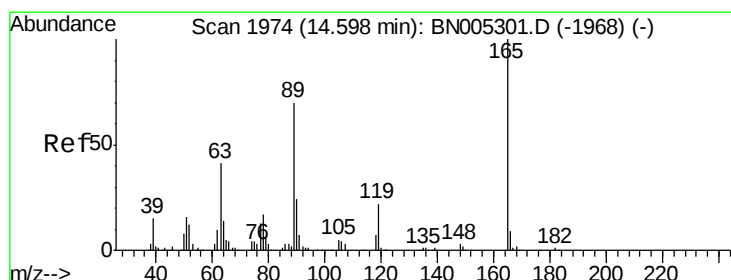
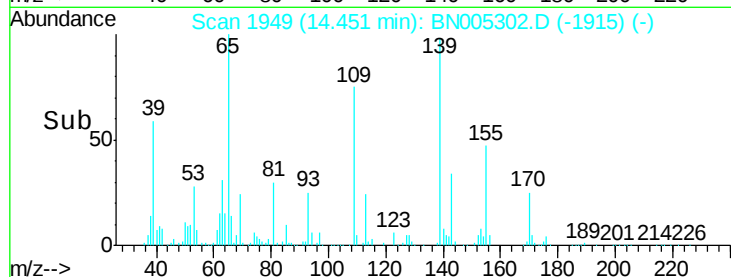
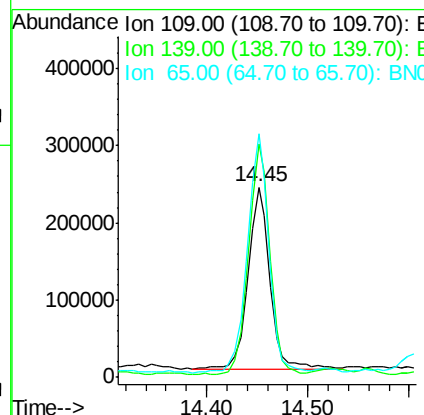
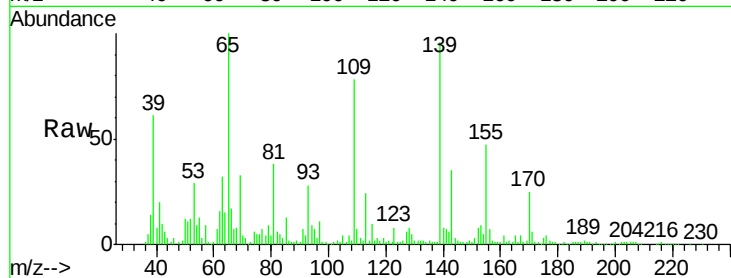
ClientSampled :

GAHH9MS

Tgt Ion:	109	Resp:	351035
Ion Ratio	Lower	Upper	
109	100		
139	123.1	92.3	138.5
65	128.1	97.5	146.3

Manual Integrations
APPROVED

Sohil
4/30/2019 7:00:41 PM



#54

2,4-Dinitrotoluene

Concen: 32.537 ng/ul

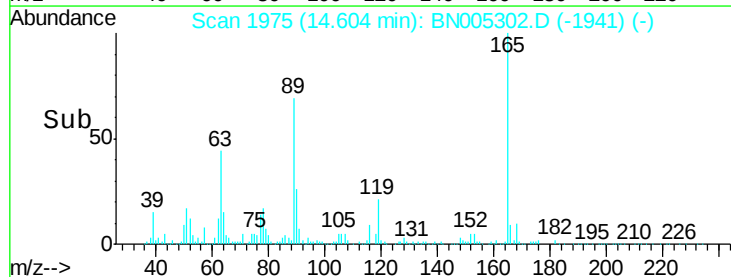
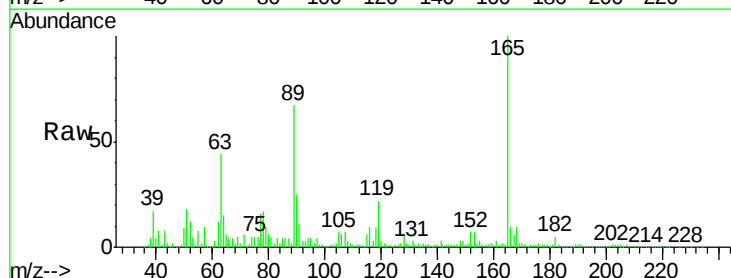
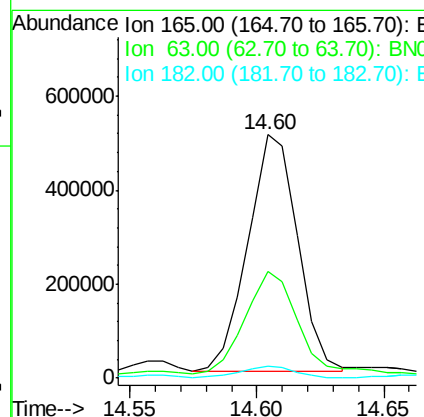
RT: 14.60 min Scan# 1975

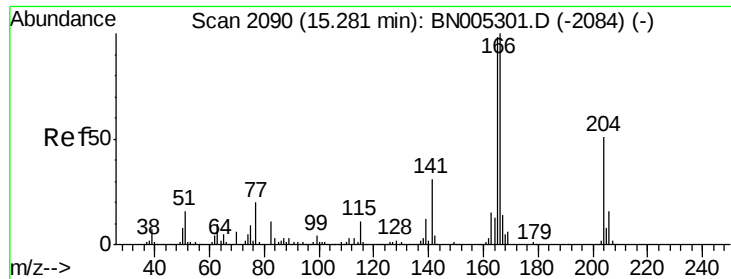
Delta R.T. 0.00 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Tgt Ion:	165	Resp:	689140
Ion Ratio	Lower	Upper	
165	100		
63	43.9	38.9	58.3
182	4.7	2.6	3.8#





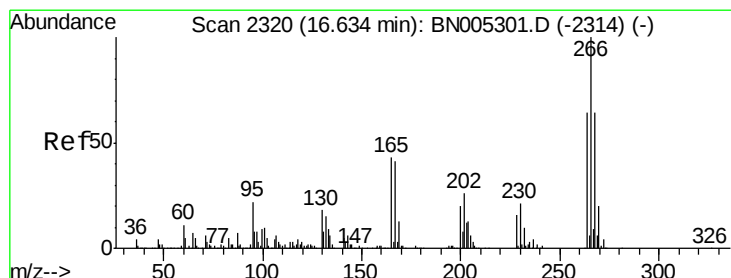
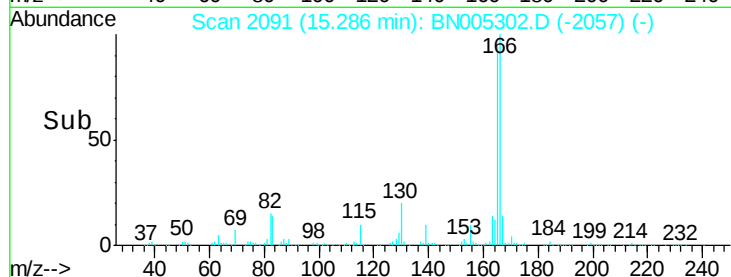
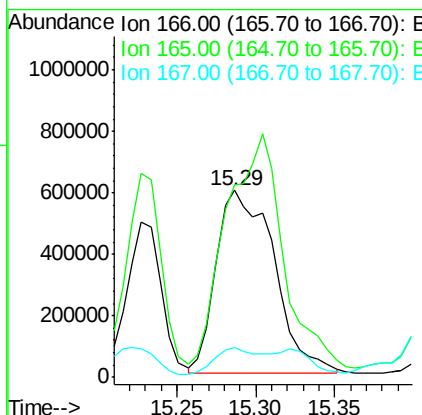
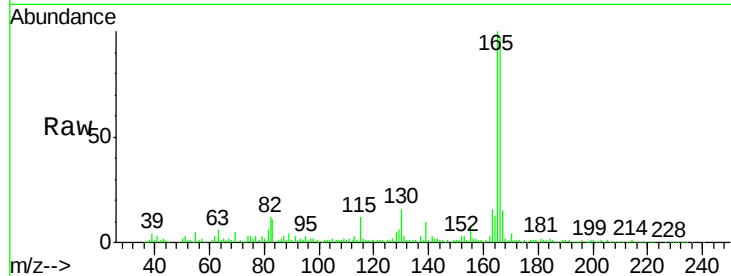
#58
 Fluorene
 Concen: 19.225 ng/ul m
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Instrument :
 BNA_N
 ClientSampleID :
 GAHH9MS

Tgt Ion:166 Resp: 1519869
 Ion Ratio Lower Upper
 166 100
 165 103.1 80.0 120.0
 167 15.8 10.7 16.1

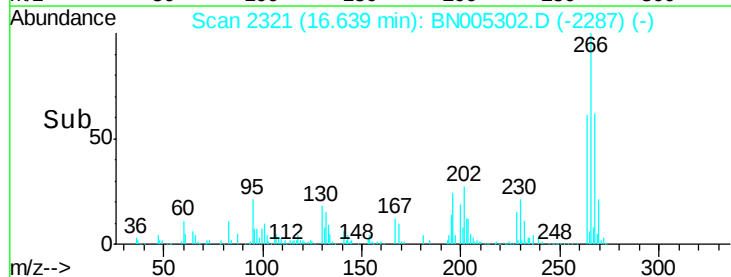
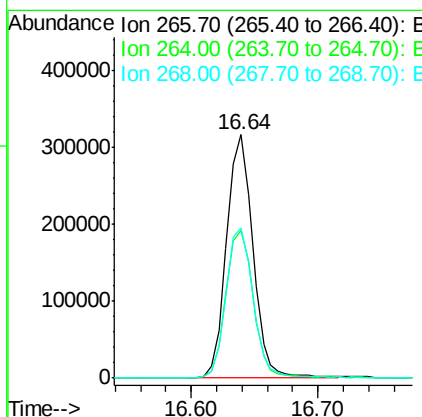
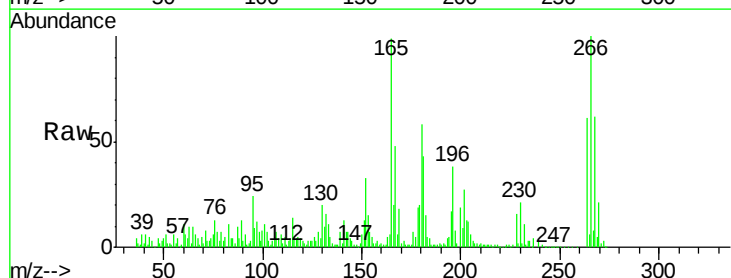
Manual Integrations
 APPROVED

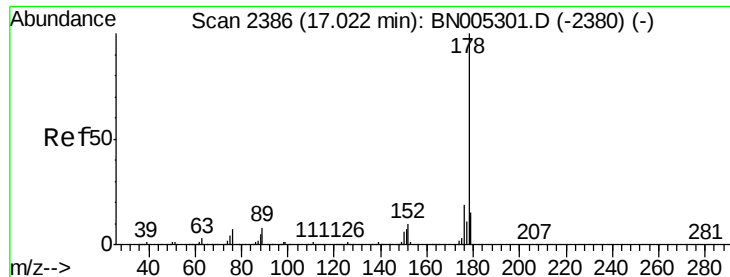
Sohil
 4/30/2019 7:00:41 PM



#68
 Pentachlorophenol
 Concen: 26.287 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.00 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Tgt Ion:266 Resp: 457268
 Ion Ratio Lower Upper
 266 100
 264 60.6 49.7 74.5
 268 61.8 52.4 78.6





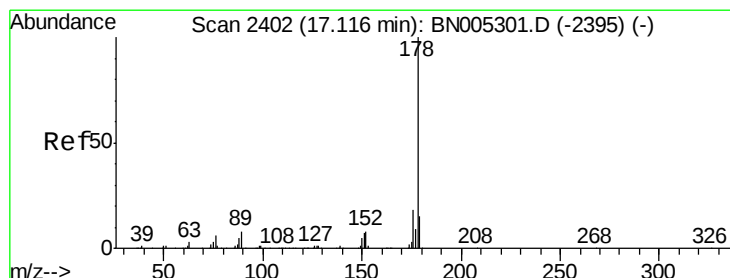
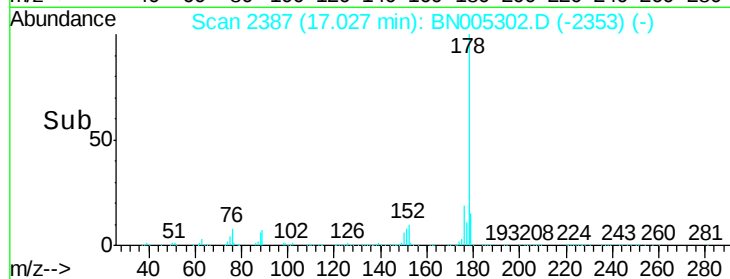
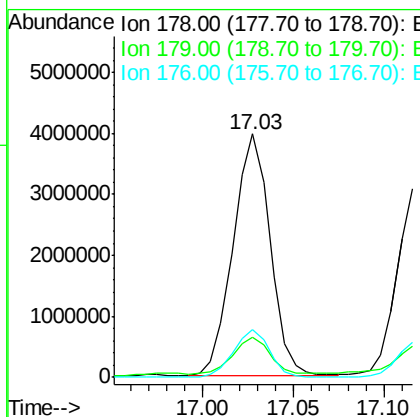
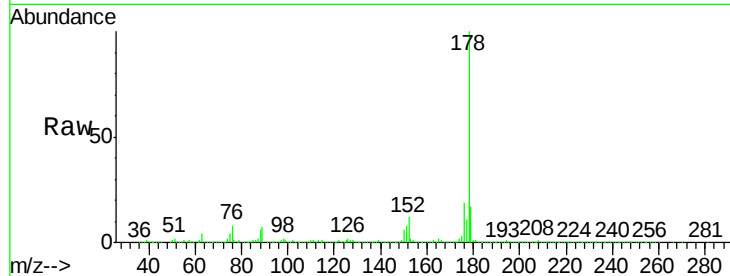
#69
Phenanthrene
Concen: 41.634 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Tgt Ion:178 Resp: 5615218
Ion Ratio Lower Upper
178 100
179 16.5 12.2 18.4
176 19.5 15.1 22.7

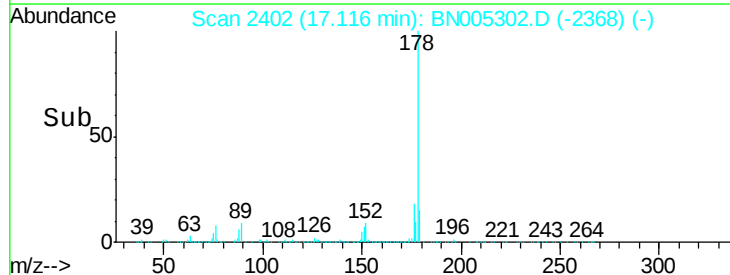
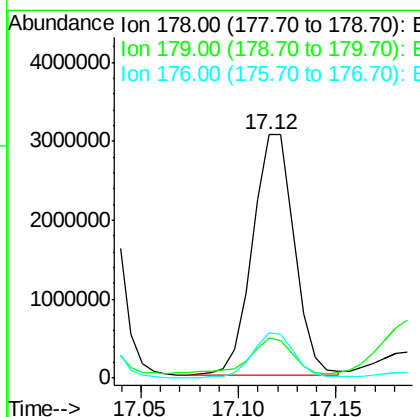
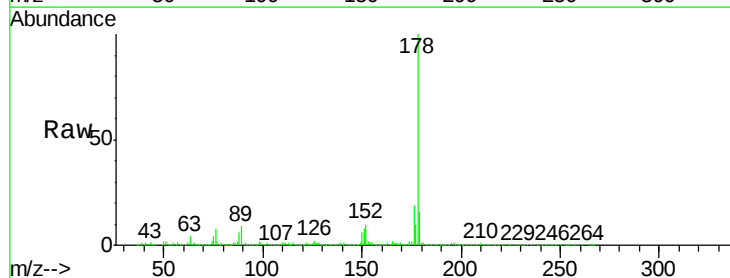
Manual Integrations
APPROVED

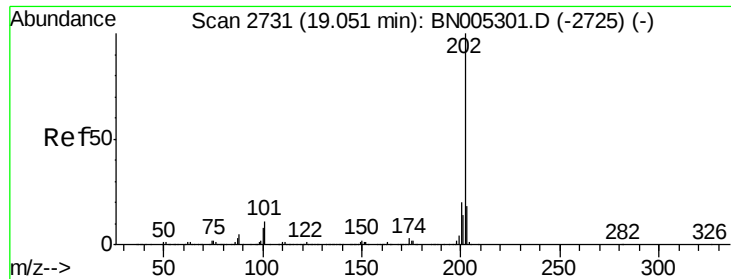
Sohil
4/30/2019 7:00:41 PM



#71
Anthracene
Concen: 32.937 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Tgt Ion:178 Resp: 4525264
Ion Ratio Lower Upper
178 100
179 16.3 12.3 18.5
176 18.5 15.1 22.7





#76

Fluoranthene

Concen: 123.484 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

Instrument :

BNA_N

ClientSampleId :

GAHH9MS

Tgt Ion:202 Resp:18472796

Ion Ratio Lower Upper

202 100

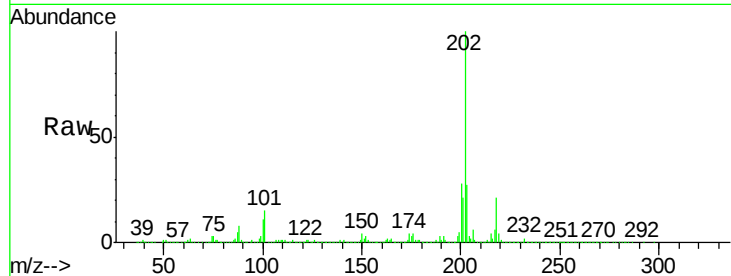
101 15.2 8.6 12.8#

100 10.9 6.3 9.5#

Manual Integrations
APPROVED

Sohil

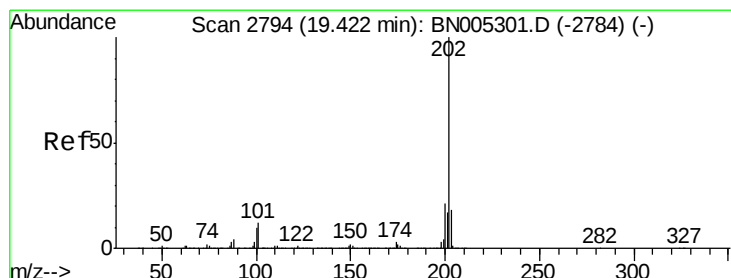
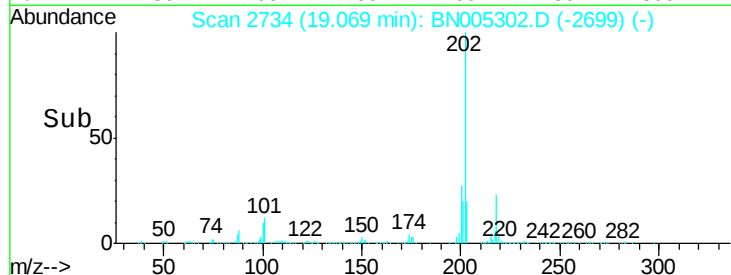
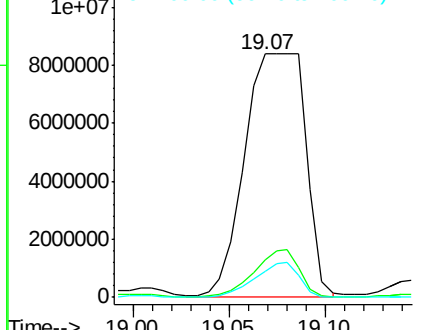
4/30/2019 7:00:41 PM



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: 194.561 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005302.D

Acq: 26 Apr 2019 04:10

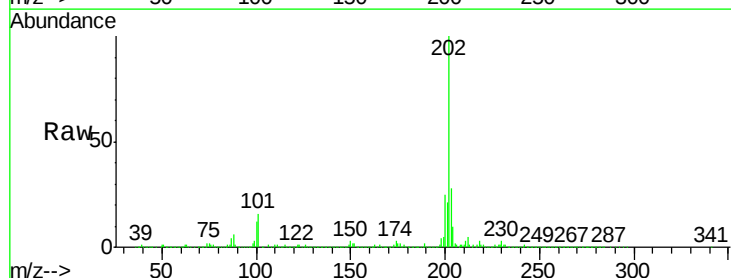
Tgt Ion:202 Resp:26376597

Ion Ratio Lower Upper

202 100

101 15.6 10.3 15.5#

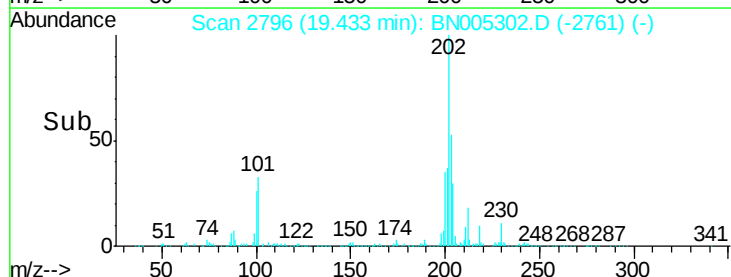
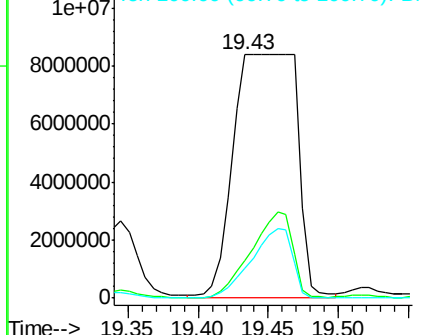
100 12.2 7.9 11.9#

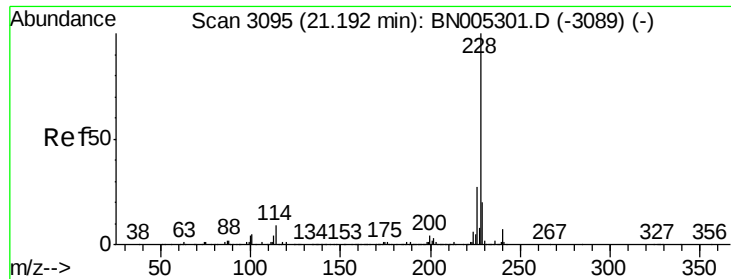


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





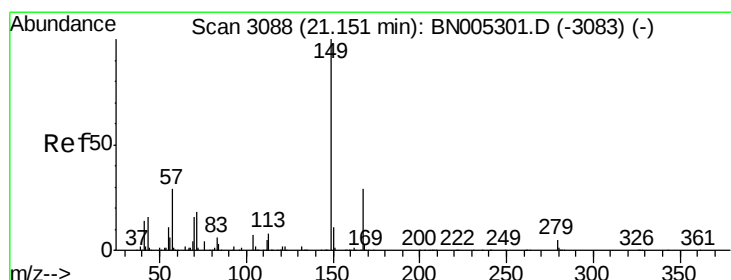
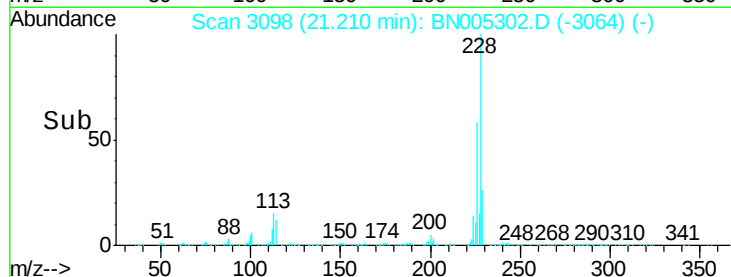
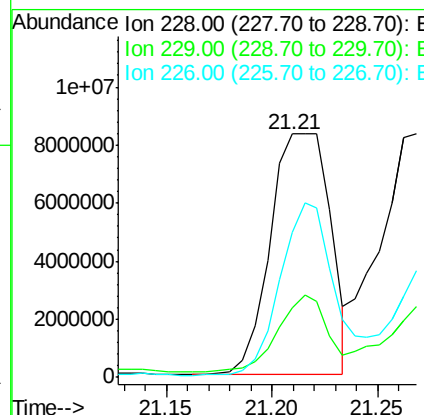
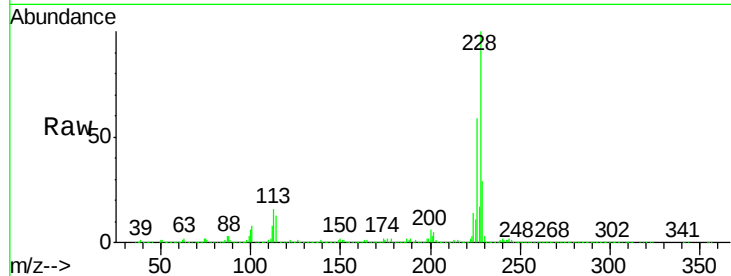
#82
Benzo(a)anthracene
Concen: 125.356 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Tgt Ion:228 Resp:16420066
Ion Ratio Lower Upper
228 100
229 28.5 15.8 23.6#
226 59.4 21.4 32.2#

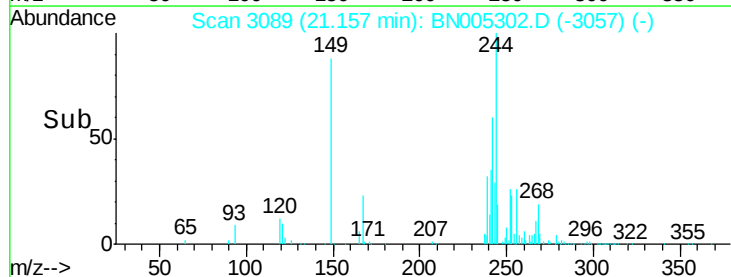
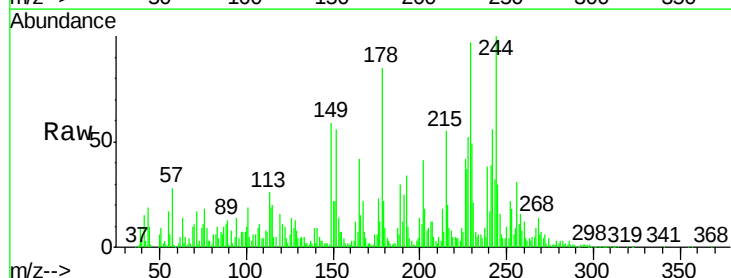
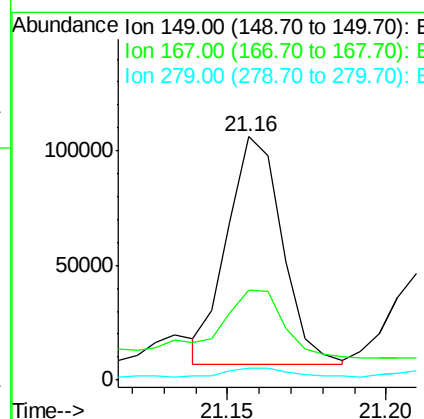
Manual Integrations
APPROVED

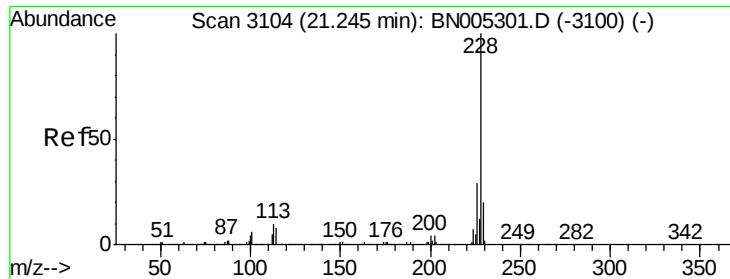
Sohil
4/30/2019 7:00:41 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.444 ng/ul
RT: 21.16 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Tgt Ion:149 Resp: 119333
Ion Ratio Lower Upper
149 100
167 36.7 22.3 33.5#
279 5.0 3.3 4.9#





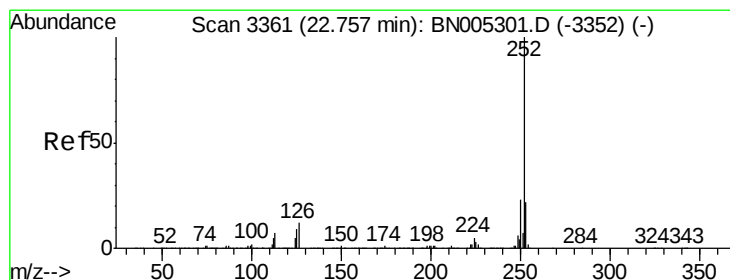
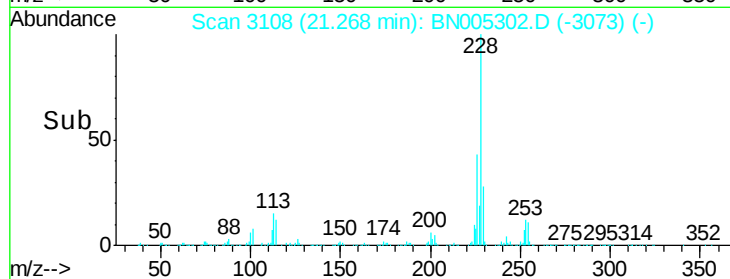
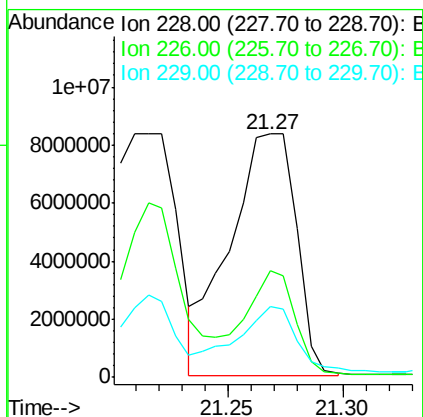
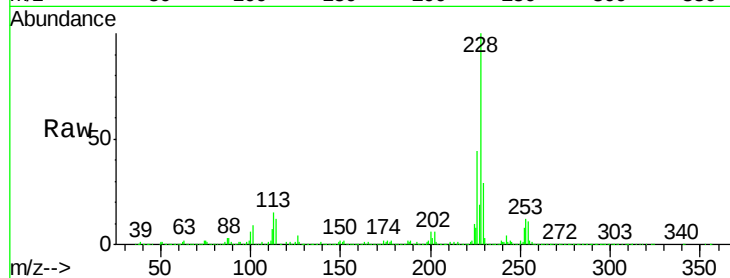
#84
Chrysene
Concen: 137.628 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Tgt Ion:228 Resp:16731192
Ion Ratio Lower Upper
228 100
226 43.7 24.0 36.0#
229 29.0 15.4 23.0#

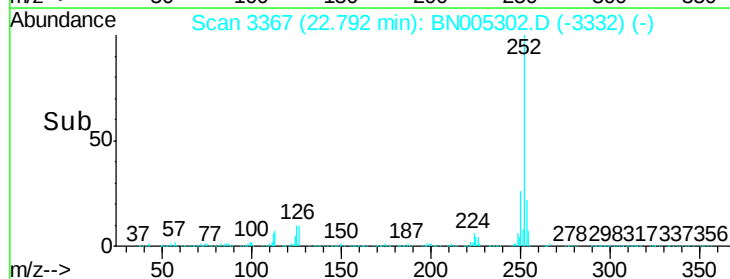
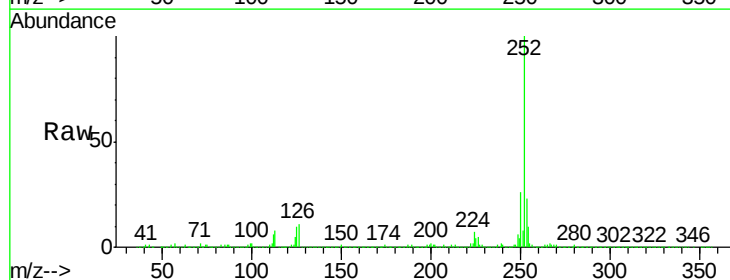
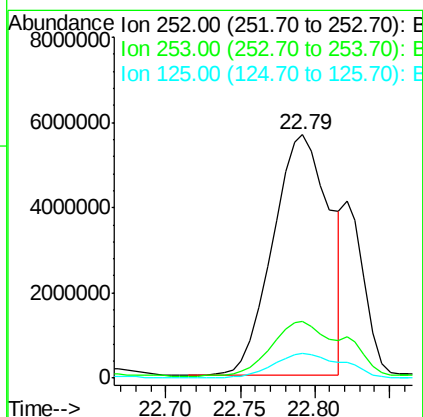
Manual Integrations
APPROVED

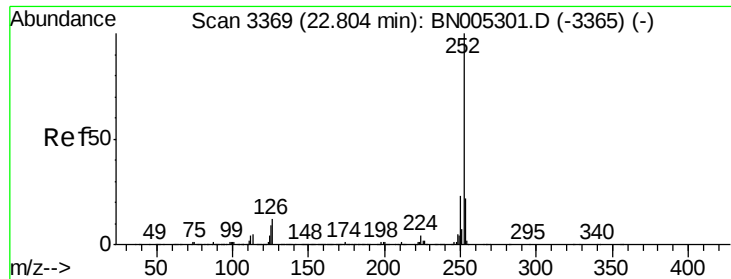
Sohil
4/30/2019 7:00:41 PM



#87
Benzo(b)fluoranthene
Concen: 116.935 ng/ul
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Tgt Ion:252 Resp:15012443
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.0 8.4 12.6





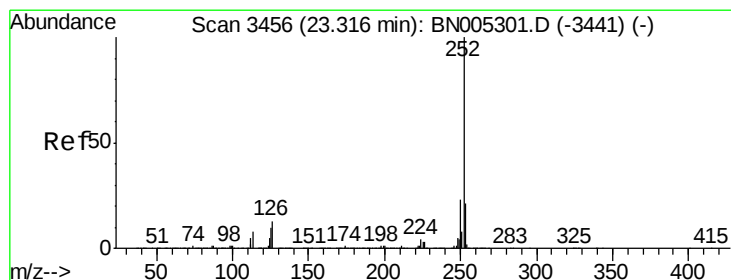
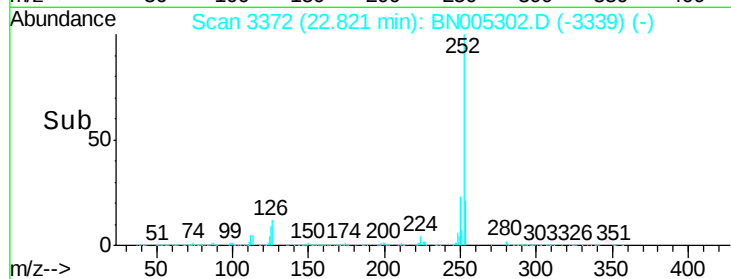
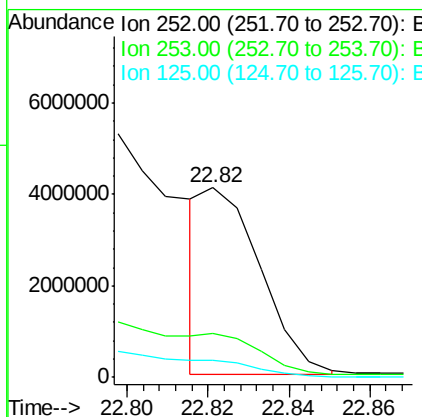
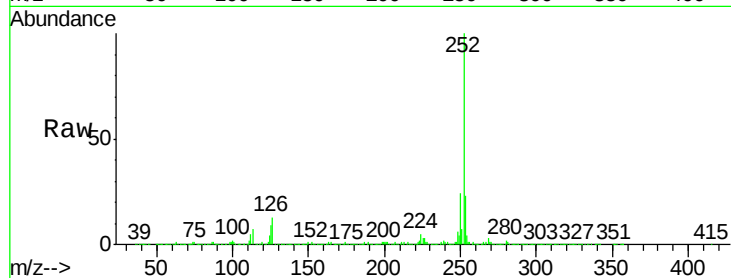
#88
Benzo(k)fluoranthene
Concen: 32.773 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. -0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Instrument :
BNA_N
ClientSampleId :
GAHH9MS

Tgt Ion:252 Resp: 4018439
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.0 7.5 11.3

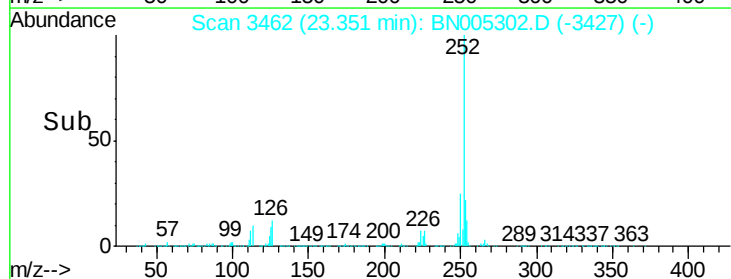
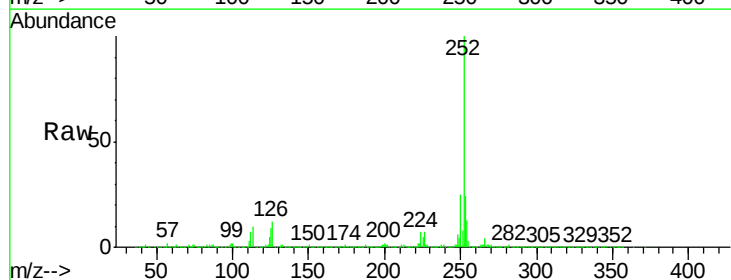
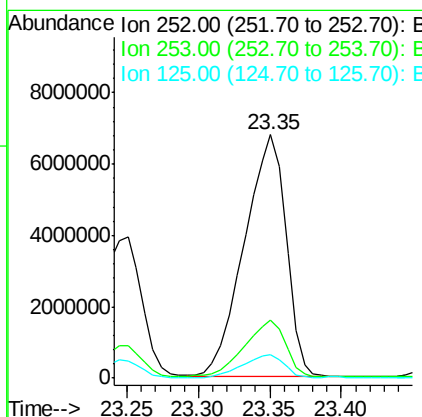
Manual Integrations
APPROVED

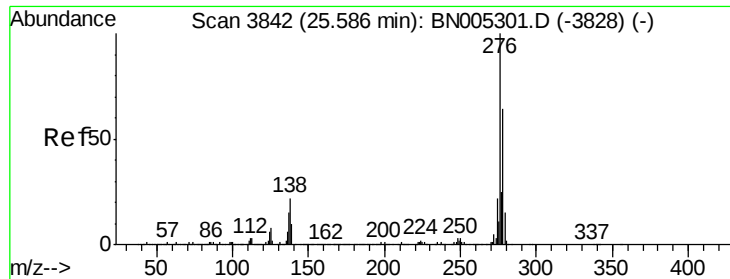
Sohil
4/30/2019 7:00:41 PM



#90
Benzo(a)pyrene
Concen: 113.607 ng/ul m
RT: 23.35 min Scan# 3462
Delta R.T. 0.01 min
Lab File: BN005302.D
Acq: 26 Apr 2019 04:10

Tgt Ion:252 Resp:13709299
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 9.5 8.6 13.0





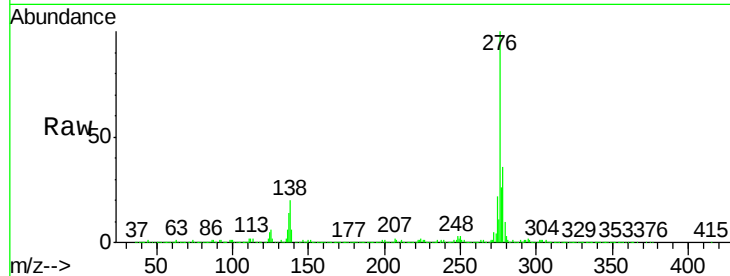
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 45.627 ng/ul m
 RT: 25.63 min Scan# 3849
 Delta R.T. 0.00 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Instrument :
 BNA_N
 ClientSampled :
 GAHH9MS

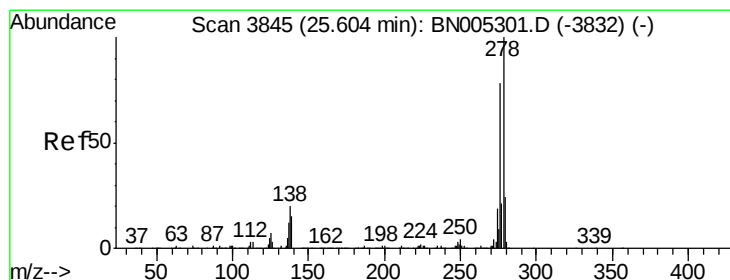
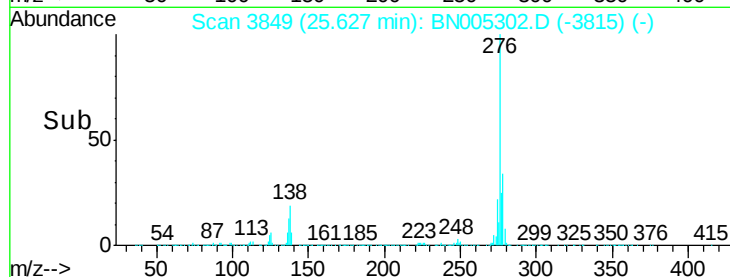
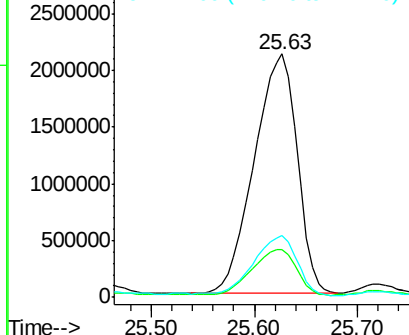
Tgt Ion:276 Resp: 6087499
 Ion Ratio Lower Upper
 276 100
 138 19.5 17.9 26.9
 277 25.5 19.7 29.5

Manual Integrations
 APPROVED

Sohil
 4/30/2019 7:00:41 PM



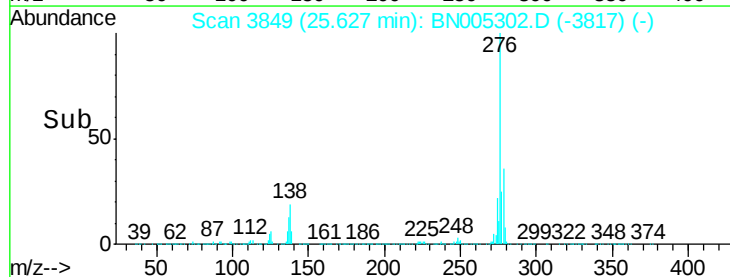
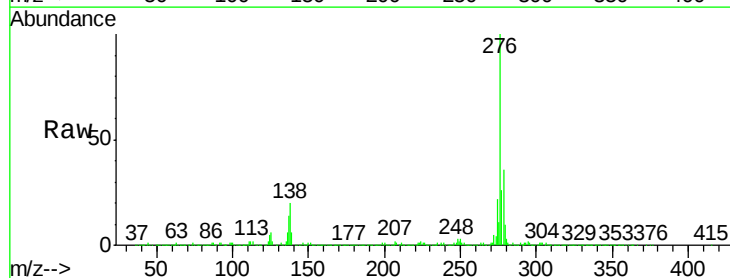
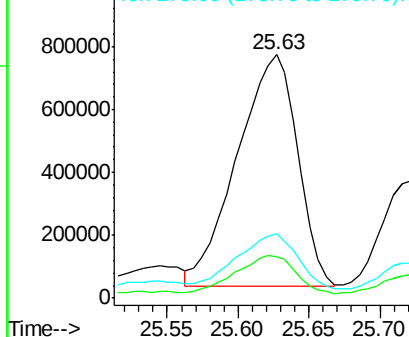
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

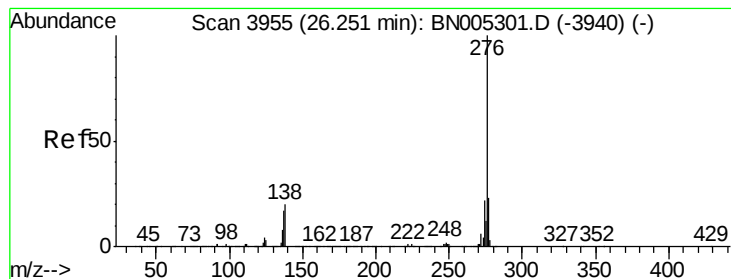


#92
 Dibenzo(a,h)anthracene
 Concen: 19.134 ng/ul m
 RT: 25.63 min Scan# 3849
 Delta R.T. -0.01 min
 Lab File: BN005302.D
 Acq: 26 Apr 2019 04:10

Tgt Ion:278 Resp: 2166455
 Ion Ratio Lower Upper
 278 100
 139 17.0 13.1 19.7
 279 26.6 19.4 29.0

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: 40.648 ng/ul m

RT: 26.29 min Scan# 3962

Delta R.T. 0.00 min

Lab File: BN005302.D

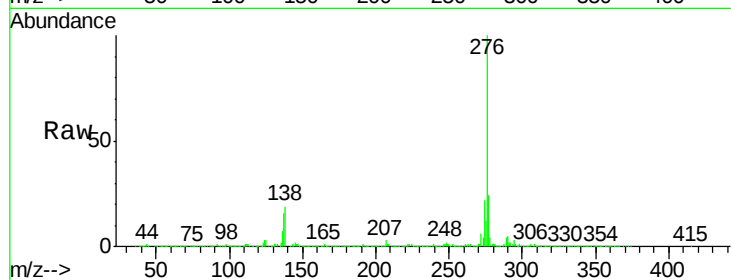
Acq: 26 Apr 2019 04:10

Instrument :

BNA_N

ClientSampleId :

GAHH9MS



Tgt Ion: 276 Resp: 4484219

Ion Ratio Lower Upper

276 100

138 19.0 16.7 25.1

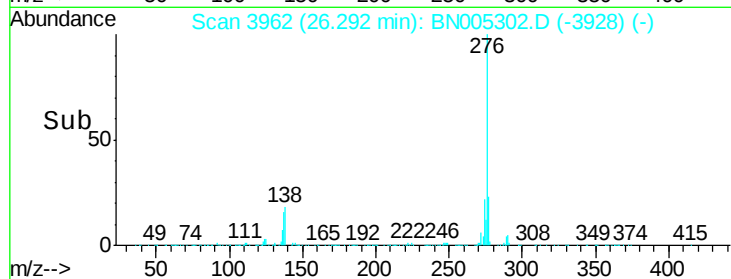
277 23.7 18.2 27.2

Manual Integrations

APPROVED

Sohil

4/30/2019 7:00:41 PM



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

