

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005304.D
 Acq On : 26 Apr 2019 05:19
 Operator : JU/SJ
 Sample : K2481-20 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

Manual Integrations
 APPROVED

Sohil
 4/26/2019 6:21:55 PM

Quant Time: Apr 26 06:48:01 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	438613	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1795744	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1102961	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2536300	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2360687	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	2282520	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2027	0.22	ng/uL	0.00
5) Phenol-d5	6.78	99	43929	1.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	30055	1.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	35947	1.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	36291	1.35	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	16028	1.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	18509	1.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	37381	1.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	226681	8.56	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	132603	1.66	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	160949	1.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	30241	2.39	ng/ul	0.00
57) Fluorene-d10	15.23	176	121020	1.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	5085m	0.45	ng/ul	0.00
70) Anthracene-d10	17.08	188	187828	1.77	ng/ul	0.00
78) Pyrene-d10	19.40	212	206496	1.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	170280	1.71	ng/ul	-0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.40	128	284458	3.407	ng/ul#	95
34) 2-Methylnaphthalene	12.02	142	457851	7.490	ng/ul	100
40) 1,1'-Biphenyl	13.06	154	871886	10.609	ng/ul	99
47) Acenaphthylene	13.95	152	2455549	25.409	ng/ul#	97
49) Acenaphthene	14.29	153	606187	9.188	ng/ul	98
53) Dibenzofuran	14.63	168	2114014	22.255	ng/ul	99
58) Fluorene	15.29	166	3266552	44.070	ng/ul	98
69) Phenanthrene	17.03	178	4238397	34.313	ng/ul	99
71) Anthracene	17.12	178	4334637	34.448	ng/ul	99
76) Fluoranthene	19.06	202	8104132	59.150	ng/ul	98
79) Pyrene	19.43	202	7725322	50.825	ng/ul	99
82) Benzo(a)anthracene	21.20	228	3619026	24.643	ng/ul	95
84) Chrysene	21.26	228	2952038	21.659	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	2433441	18.966	ng/ul	99
88) Benzo(k)fluoranthene	22.81	252	735054m	5.998	ng/ul	
90) Benzo(a)pyrene	23.33	252	1955236	16.212	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.60	276	773185	5.799	ng/ul	95
92) Dibenzo(a,h)anthracene	25.61	278	238746	2.110	ng/ul#	91
93) Benzo(g,h,i)perylene	26.26	276	604047	5.479	ng/ul	97

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

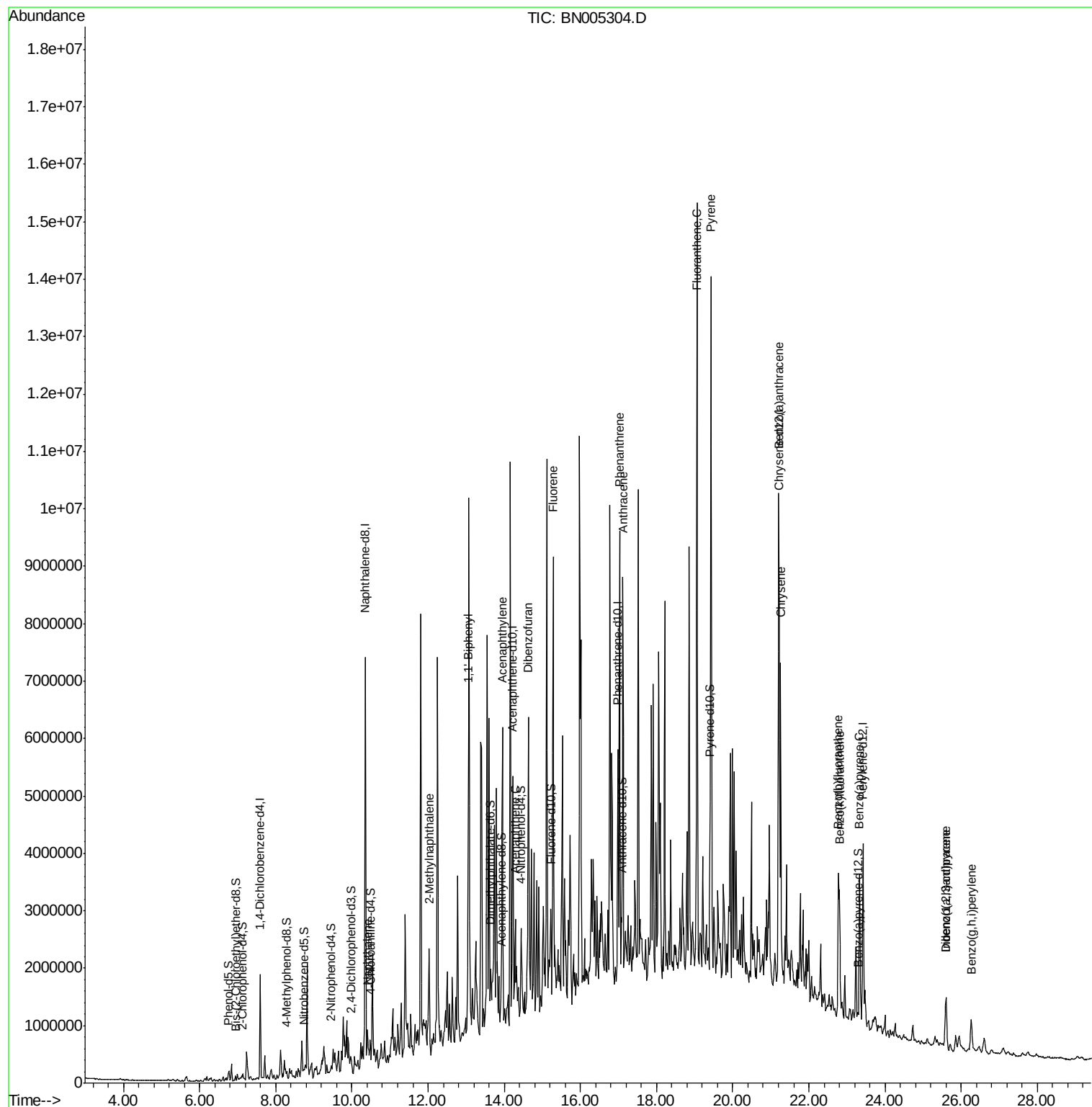
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005304.D
Acq On : 26 Apr 2019 05:19
Operator : JU/SJ
Sample : K2481-20 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

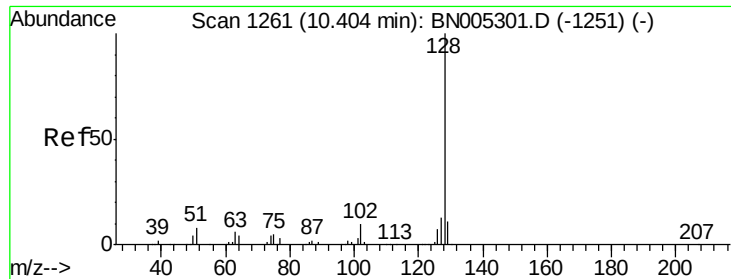
Instrument :
BNA_N
ClientSampleId :
GAHX3

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:55 PM

Quant Time: Apr 26 06:48:01 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





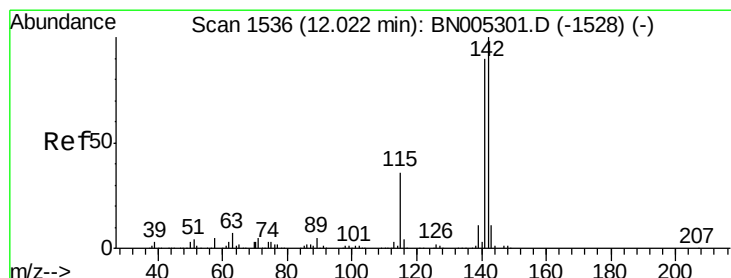
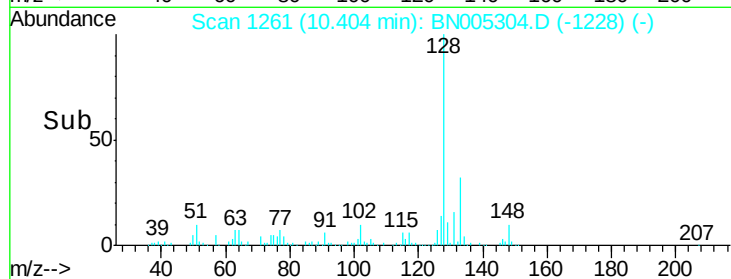
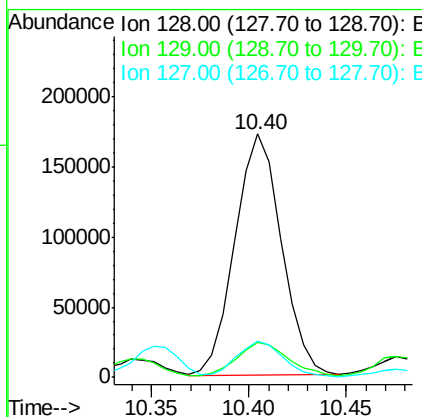
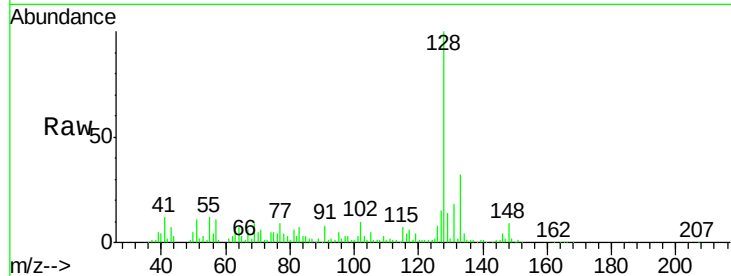
#28
Naphthalene
Concen: 3.407 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Instrument :
BNA_N
ClientSampleId :
GAHX3

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	284458		
129	14.5	9.2	13.8#	
127	14.6	10.7	16.1	

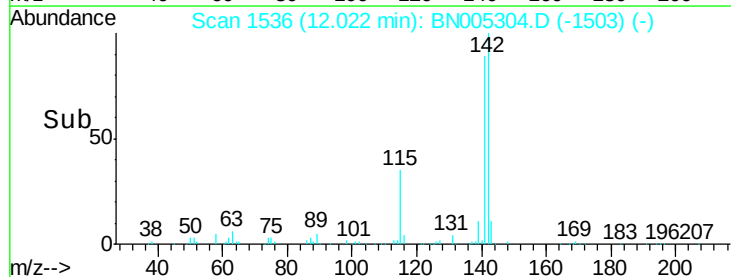
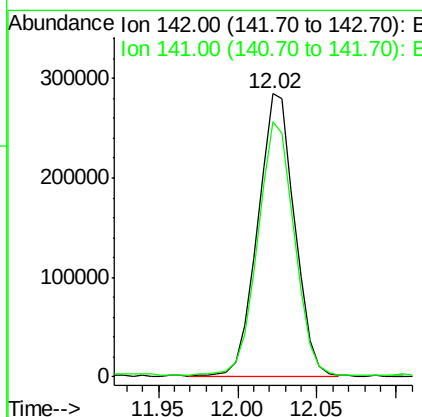
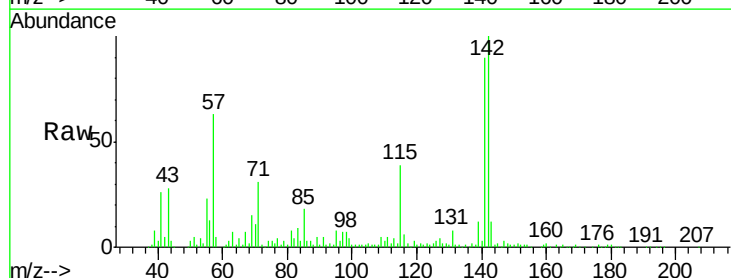
Manual Integrations
APPROVED

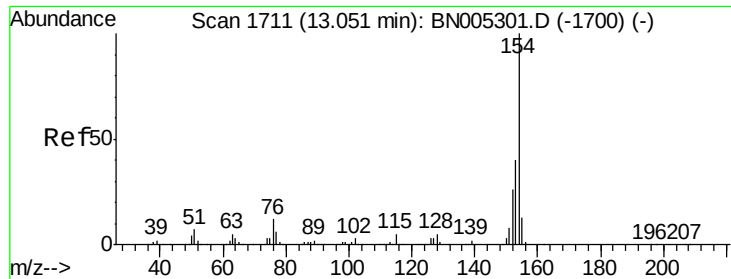
Sohil
4/26/2019 6:21:55 PM



#34
2-Methylnaphthalene
Concen: 7.490 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	457851		
141	90.2	72.0	108.0	





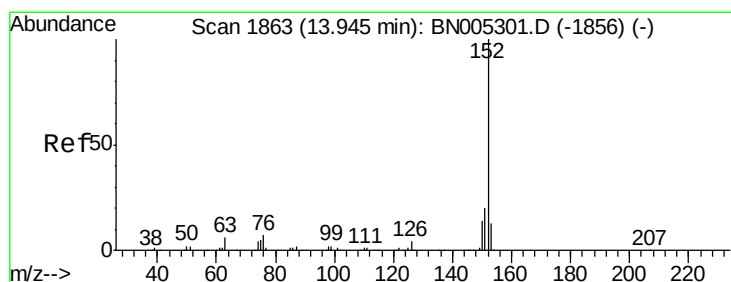
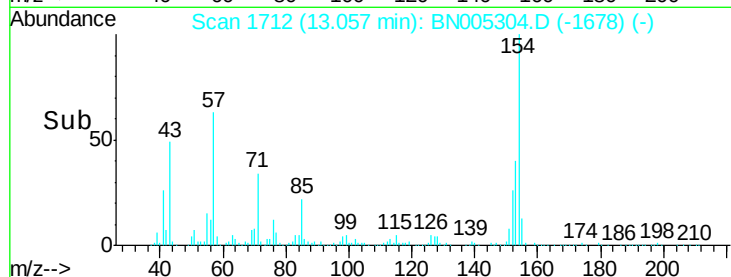
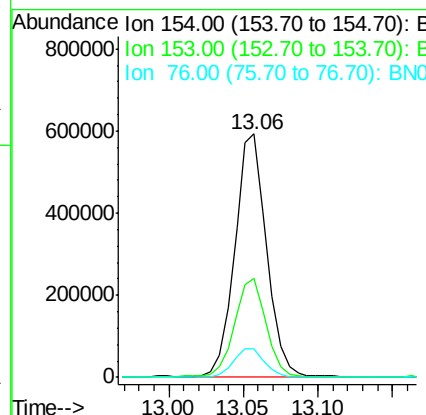
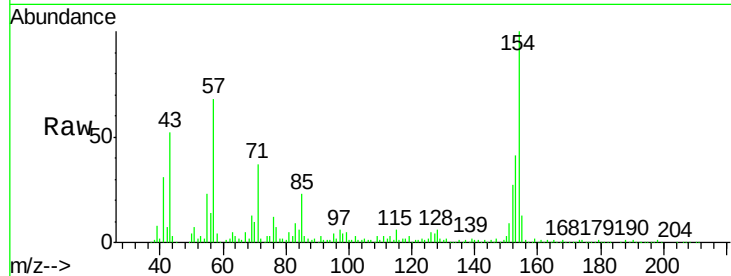
#40
 1,1'-Biphenyl
 Concen: 10.609 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

Tgt Ion:	154	Resp:	871886
Ion Ratio	Lower	Upper	
154	100		
153	40.6	32.6	49.0
76	11.9	10.4	15.6

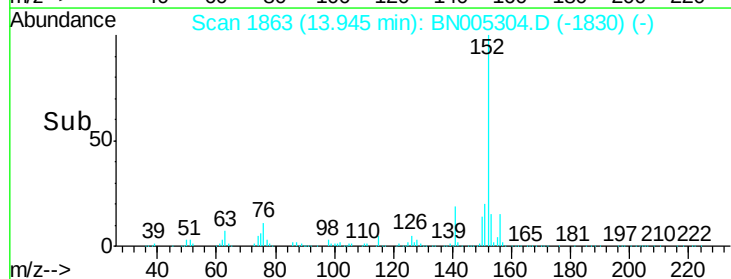
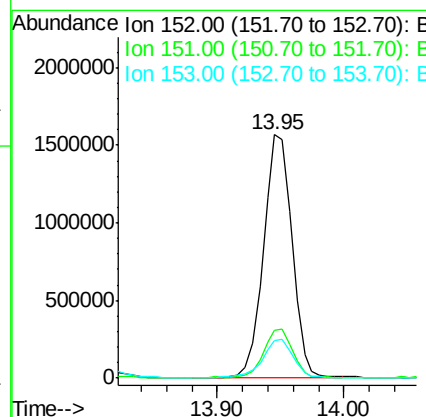
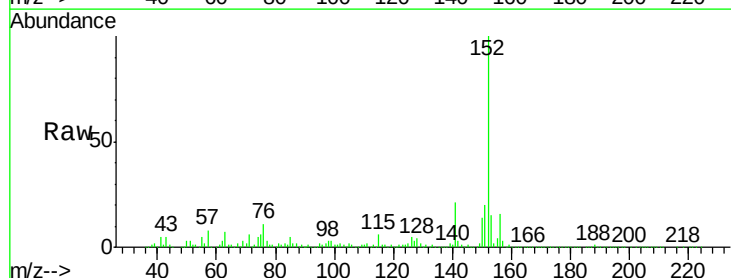
Manual Integrations
 APPROVED

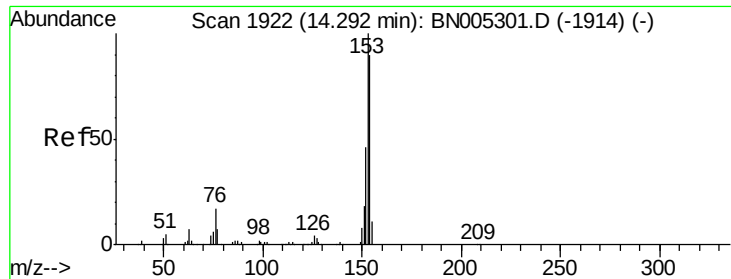
Sohil
 4/26/2019 6:21:55 PM



#47
 Acenaphthylene
 Concen: 25.409 ng/ul
 RT: 13.95 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Tgt Ion:	152	Resp:	2455549
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.8	23.8
153	15.5	9.8	14.8#





#49

Acenaphthene

Concen: 9.188 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

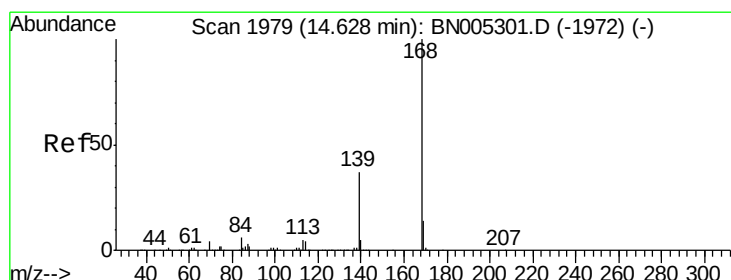
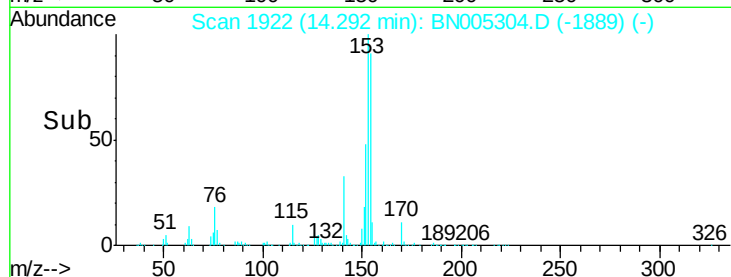
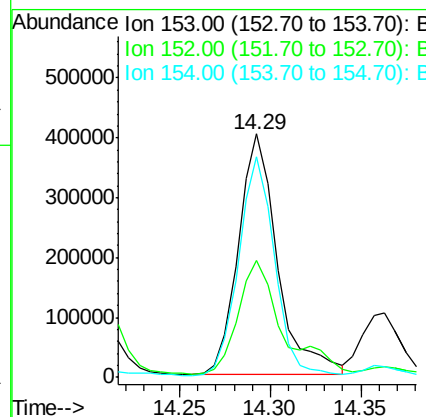
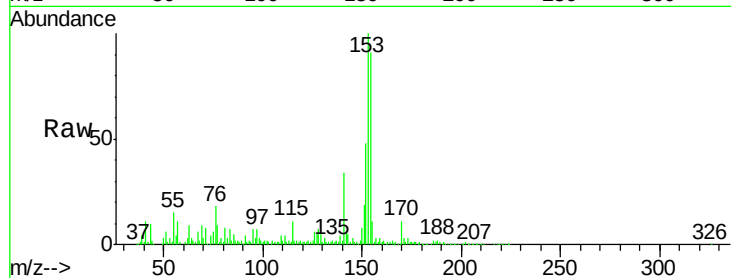
ClientSampled :

GAHX3

Tgt Ion:	153	Resp:	606187
Ion Ratio		Lower	Upper
153	100		
152	48.2	37.4	56.0
154	90.8	71.2	106.8

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:55 PM



#53

Dibenzofuran

Concen: 22.255 ng/ul

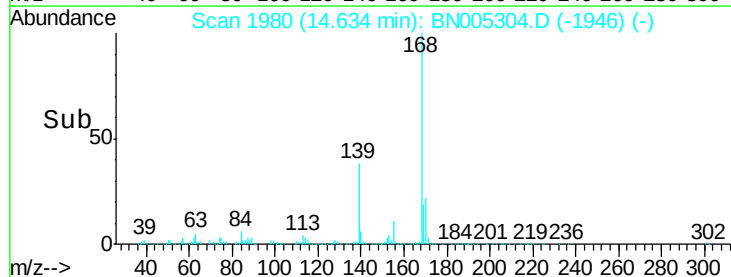
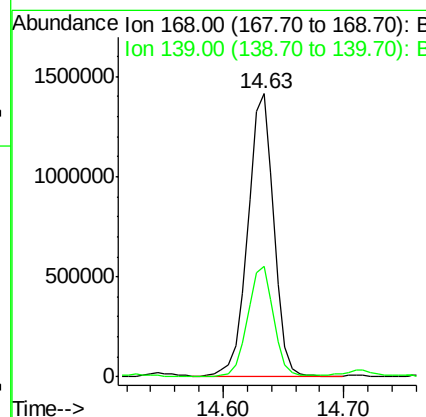
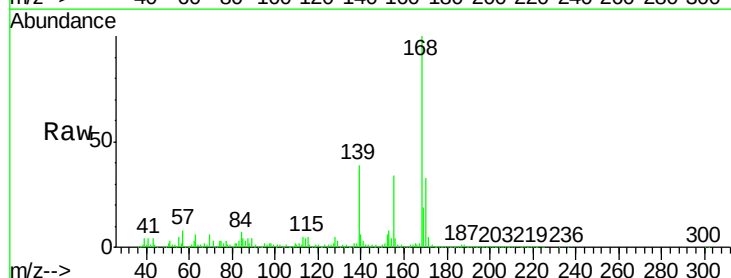
RT: 14.63 min Scan# 1980

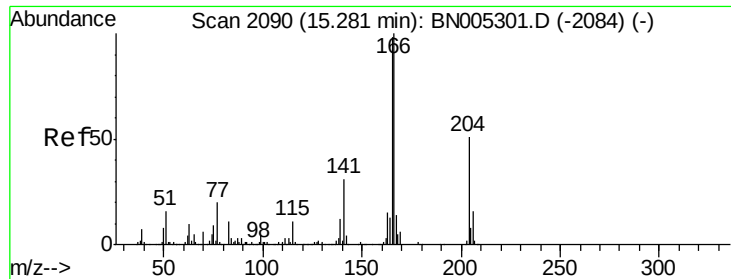
Delta R.T. 0.00 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Tgt Ion:	168	Resp:	2114014
Ion Ratio		Lower	Upper
168	100		
139	39.2	30.9	46.3





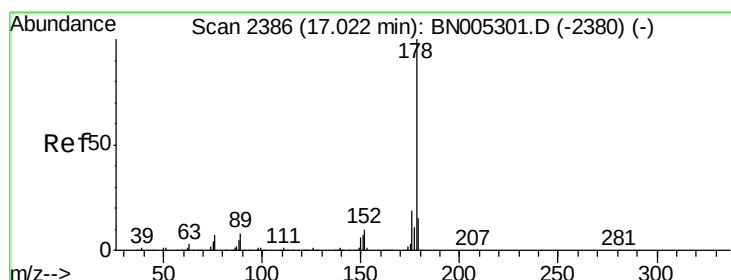
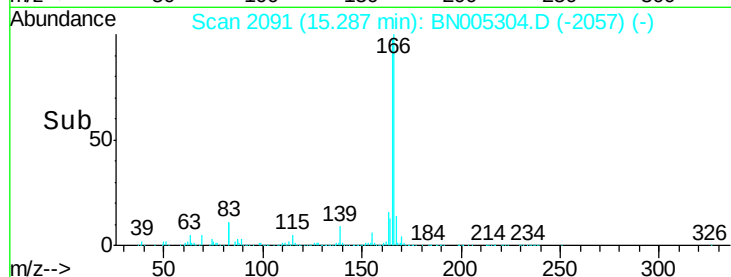
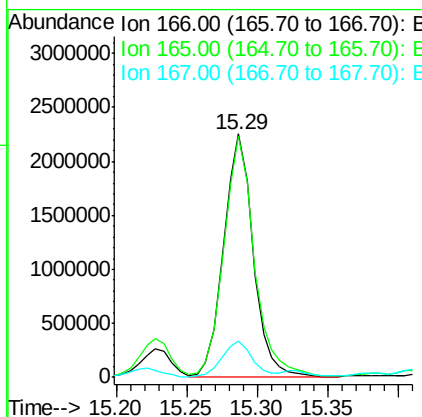
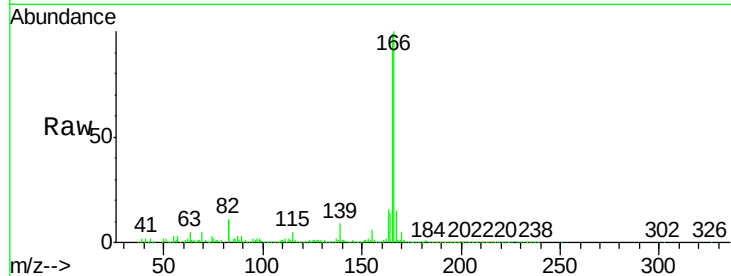
#58
 Fluorene
 Concen: 44.070 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

Tgt Ion:166 Resp: 3266552
 Ion Ratio Lower Upper
 166 100
 165 98.8 80.0 120.0
 167 15.0 10.7 16.1

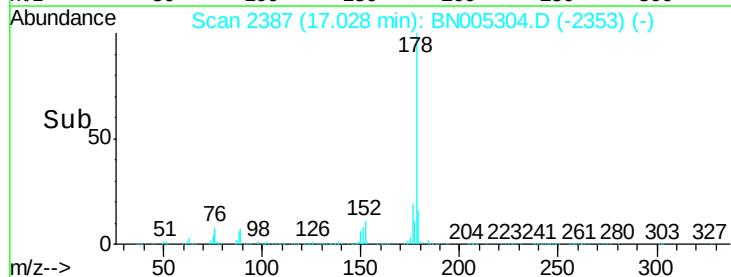
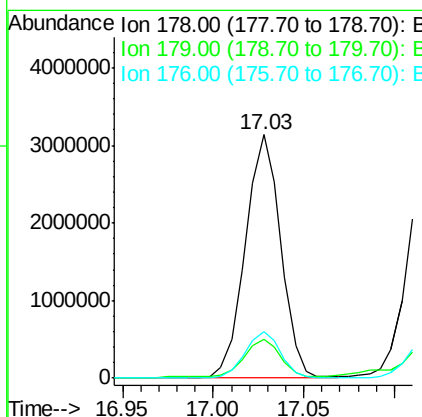
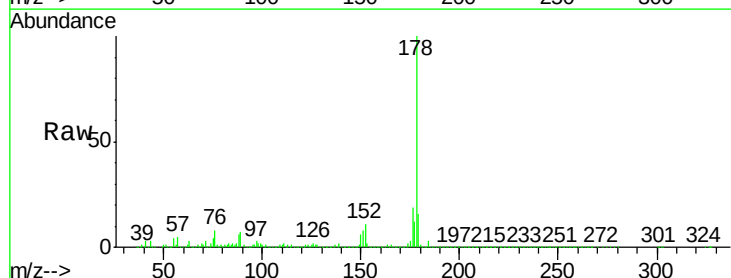
Manual Integrations
 APPROVED

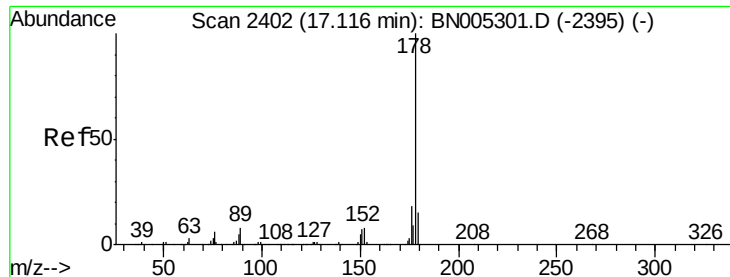
Sohil
 4/26/2019 6:21:55 PM



#69
 Phenanthrene
 Concen: 34.313 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Tgt Ion:178 Resp: 4238397
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.2 18.4
 176 19.3 15.1 22.7





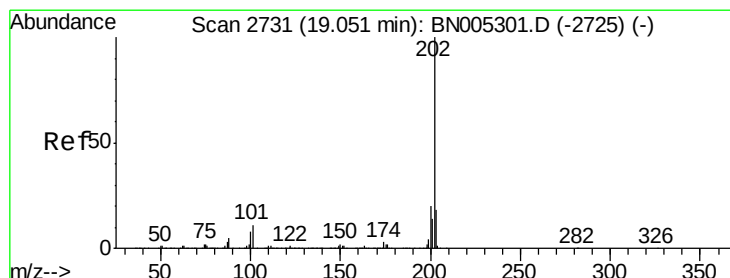
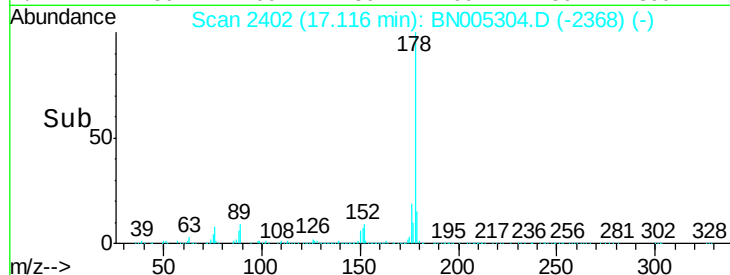
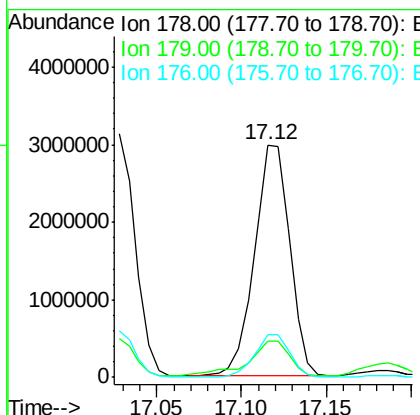
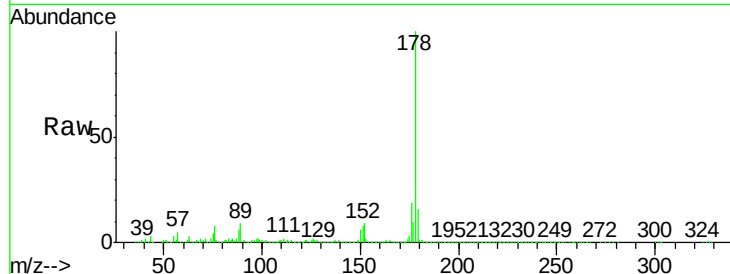
#71
 Anthracene
 Concen: 34.448 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

Tgt Ion:178 Resp: 4334637
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 18.6 15.1 22.7

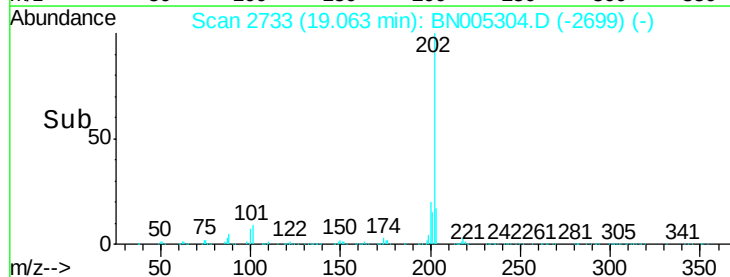
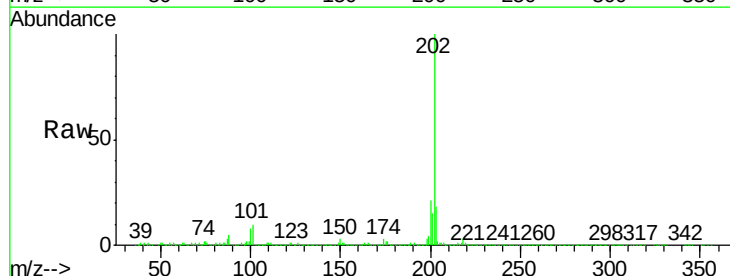
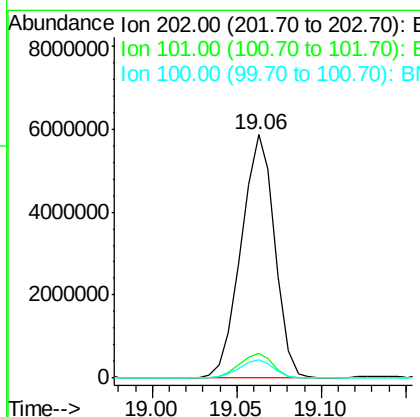
Manual Integrations
 APPROVED

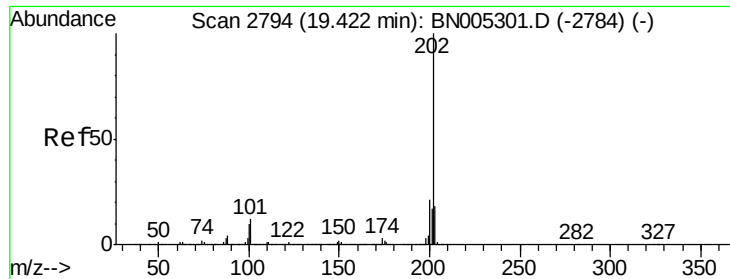
Sohil
 4/26/2019 6:21:55 PM



#76
 Fluoranthene
 Concen: 59.150 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Tgt Ion:202 Resp: 8104132
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.6 12.8
 100 7.5 6.3 9.5





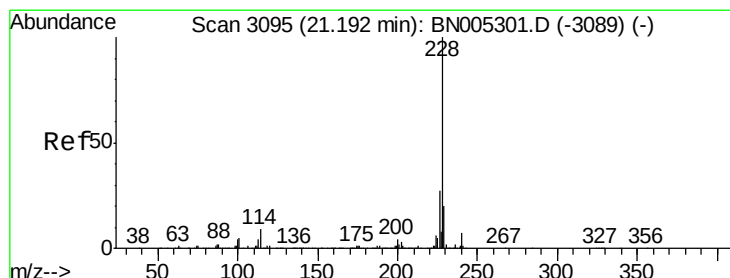
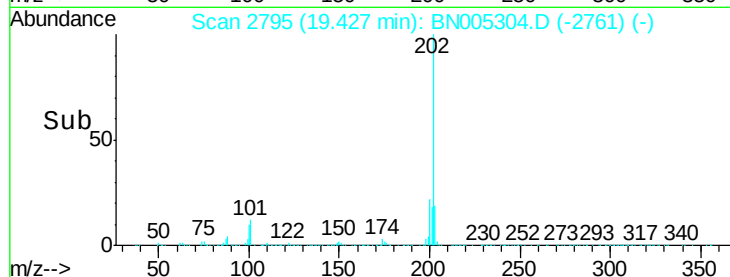
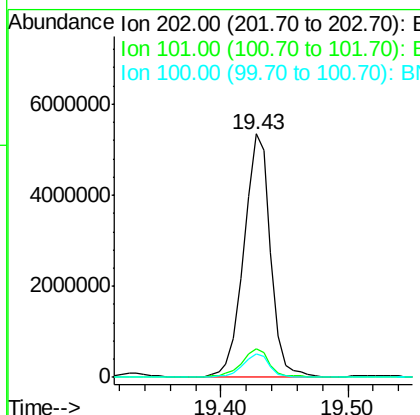
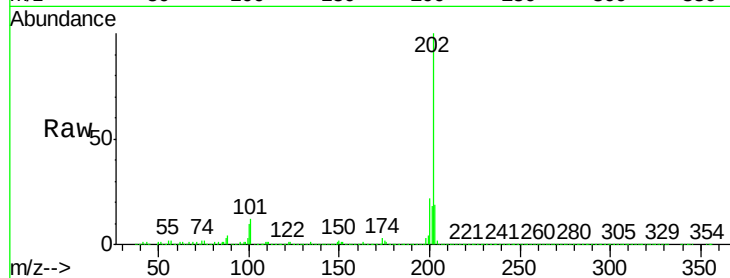
#79
 Pyrene
 Concen: 50.825 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.3	15.5
100	9.9	7.9	11.9

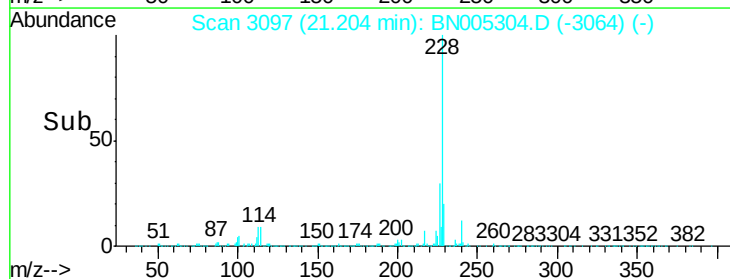
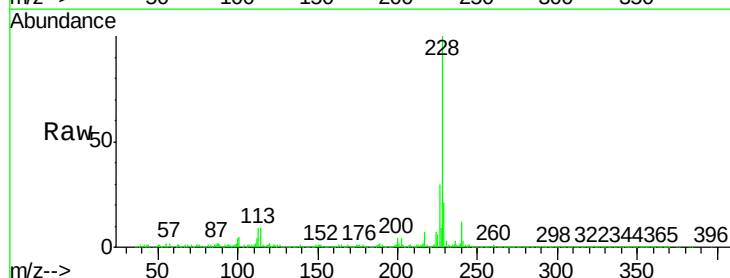
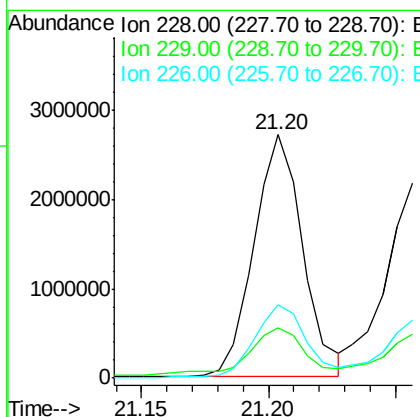
Manual Integrations
 APPROVED

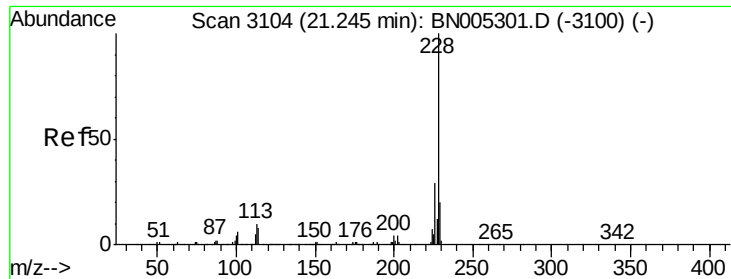
Sohil
 4/26/2019 6:21:55 PM



#82
 Benzo(a)anthracene
 Concen: 24.643 ng/ul
 RT: 21.20 min Scan# 3097
 Delta R.T. -0.01 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	30.4	21.4	32.2





#84

Chrysene

Concen: 21.659 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampled :

GAHX3

Tgt Ion:228 Resp: 2952038

Ion Ratio Lower Upper

228 100

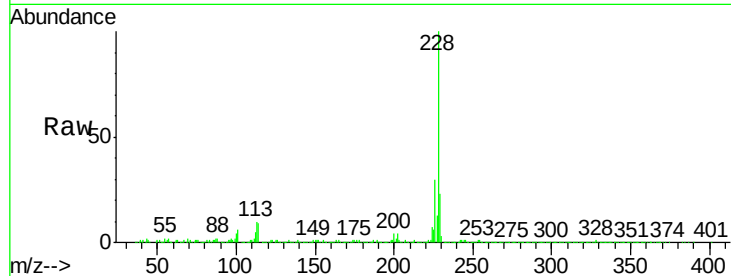
226 29.9 24.0 36.0

229 22.7 15.4 23.0

Manual Integrations
APPROVED

Sohil

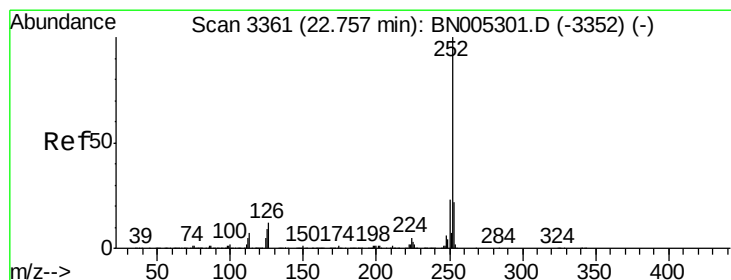
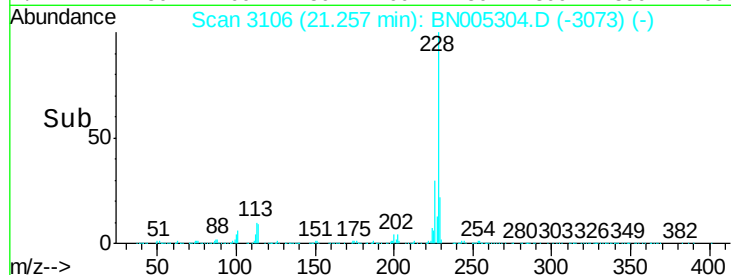
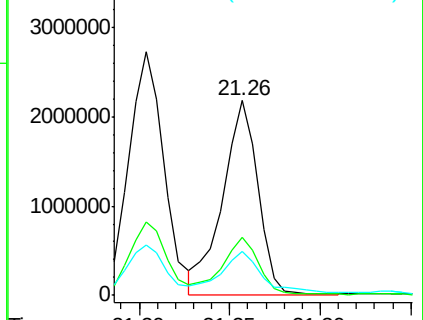
4/26/2019 6:21:55 PM



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: 18.966 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005304.D

Acq: 26 Apr 2019 05:19

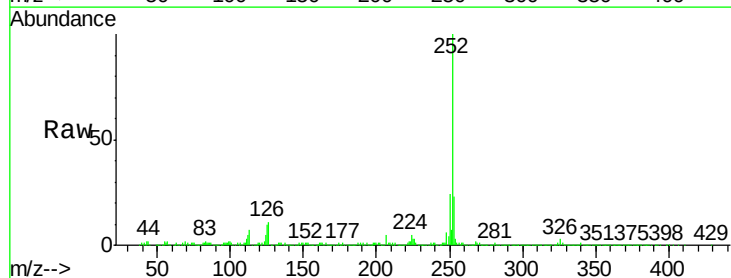
Tgt Ion:252 Resp: 2433441

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

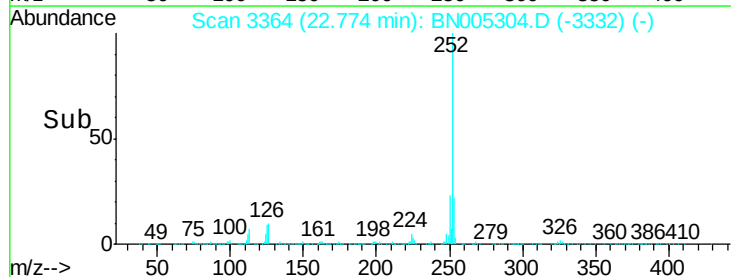
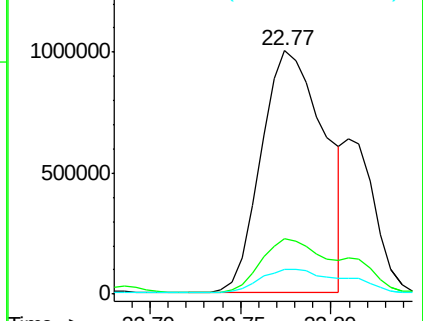
125 10.2 8.4 12.6

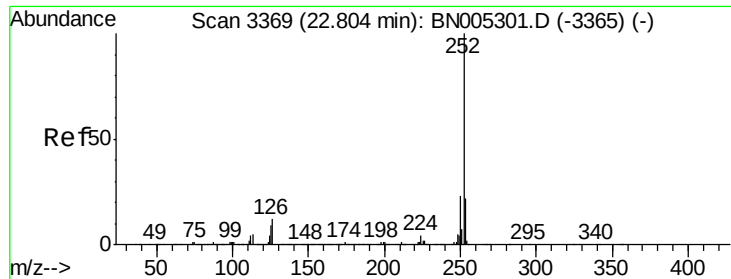


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





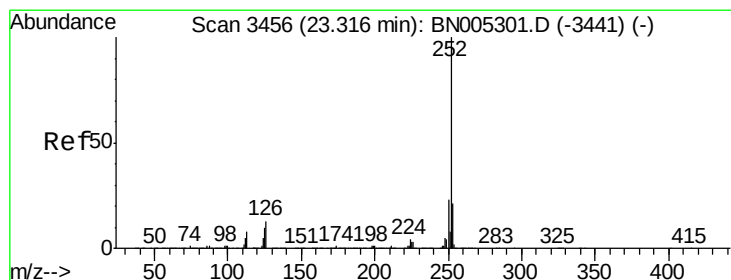
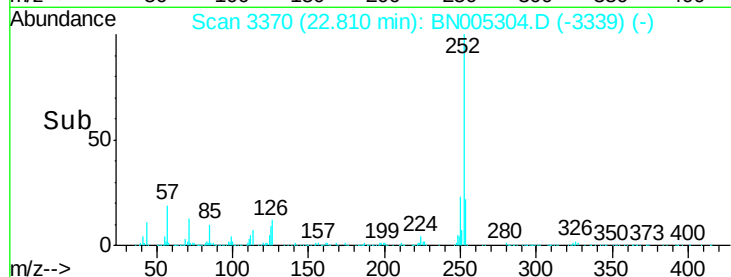
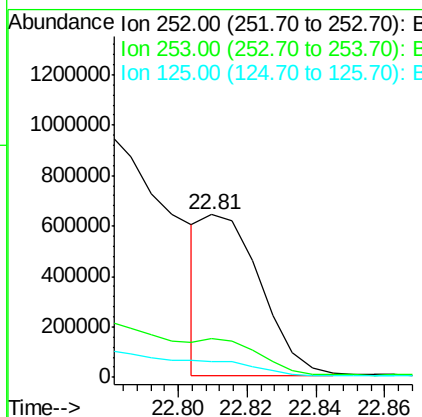
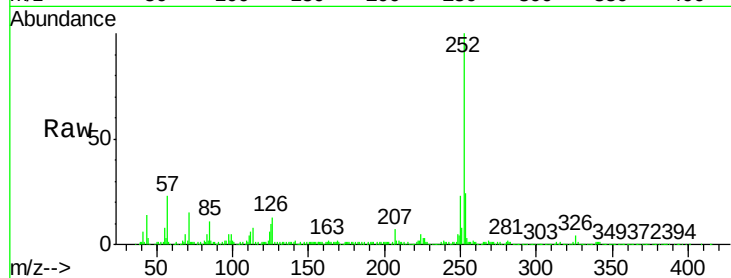
#88
Benzo(k)fluoranthene
Concen: 5.998 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Instrument :
BNA_N
ClientSampleId :
GAHX3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	9.9	7.5	11.3

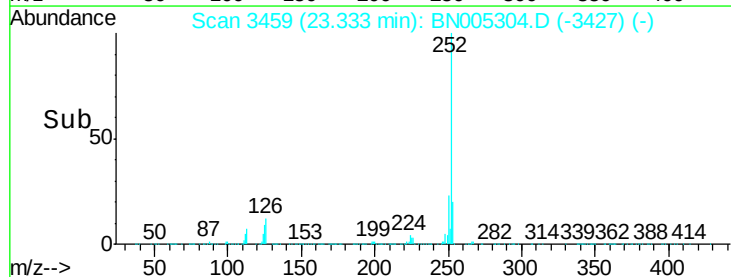
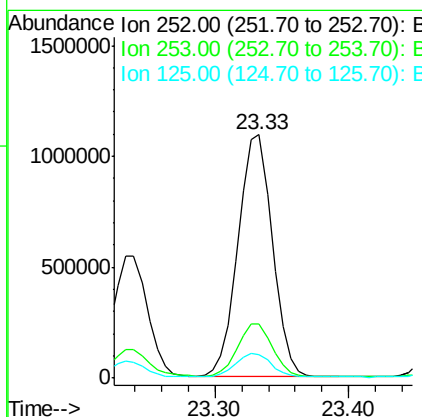
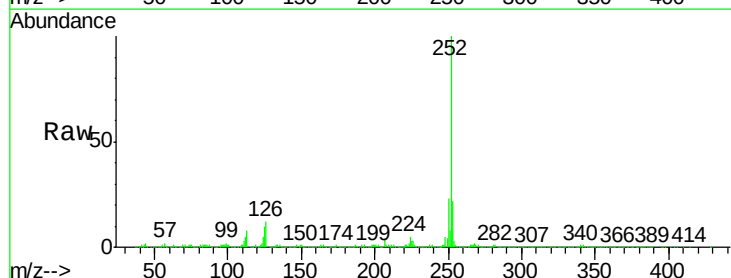
Manual Integrations
APPROVED

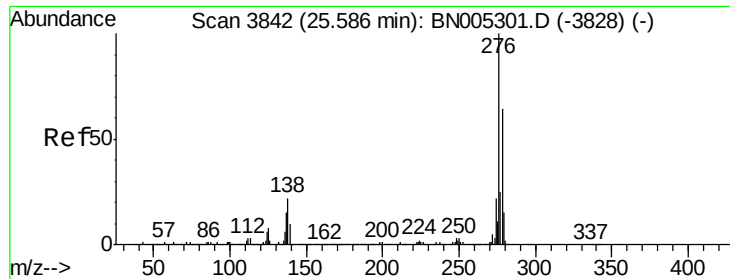
Sohil
4/26/2019 6:21:55 PM



#90
Benzo(a)pyrene
Concen: 16.212 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BN005304.D
Acq: 26 Apr 2019 05:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.6	8.6	13.0





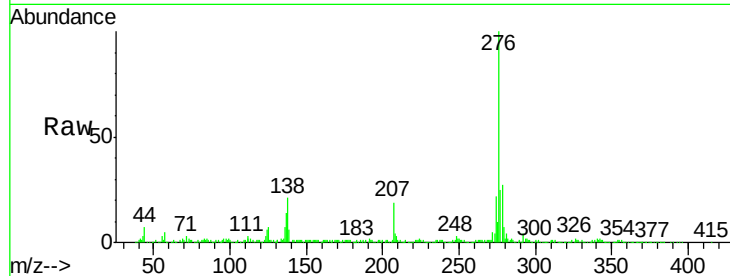
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 5.799 ng/ul
 RT: 25.60 min Scan# 3845
 Delta R.T. -0.02 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Instrument :
 BNA_N
 ClientSampleId :
 GAHX3

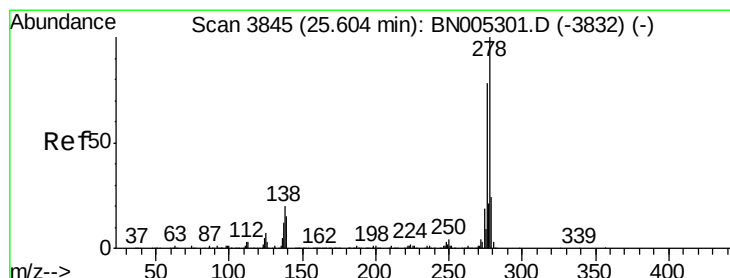
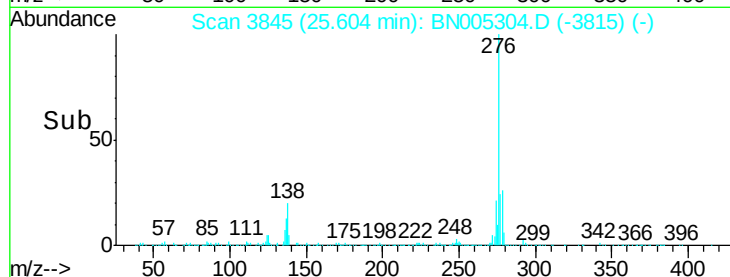
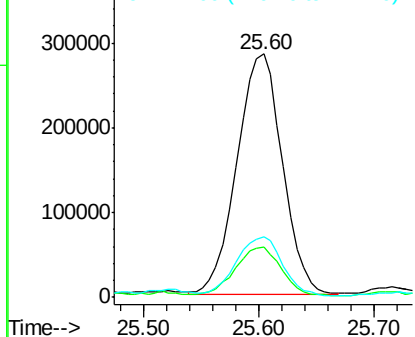
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.5	17.9	26.9
277	25.0	19.7	29.5

Manual Integrations
 APPROVED

Sohil
 4/26/2019 6:21:55 PM

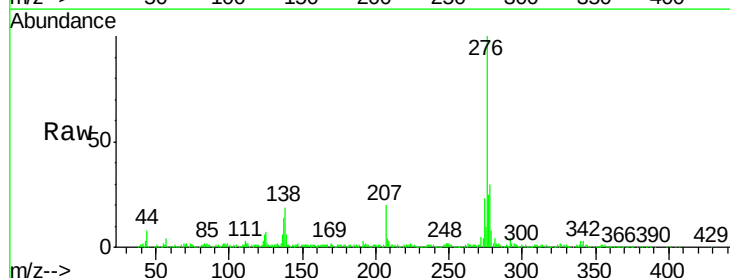


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

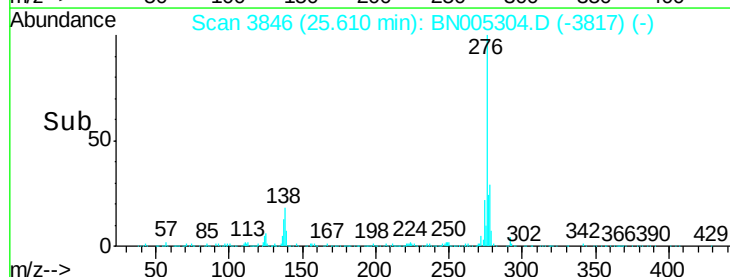
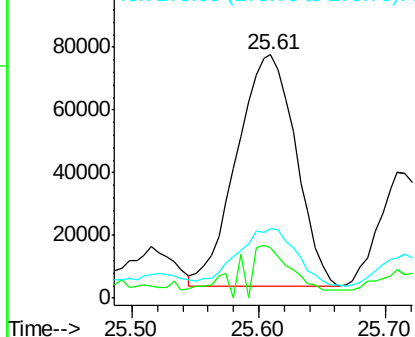


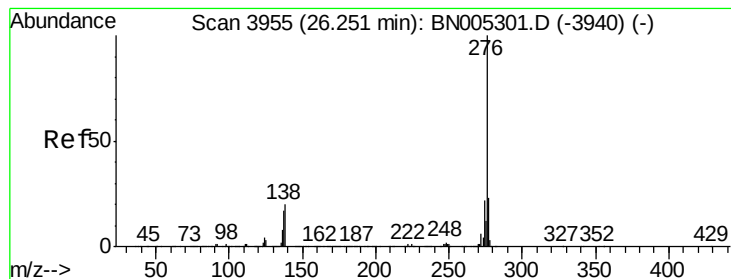
#92
 Dibenzo(a,h)anthracene
 Concen: 2.110 ng/ul
 RT: 25.61 min Scan# 3846
 Delta R.T. -0.03 min
 Lab File: BN005304.D
 Acq: 26 Apr 2019 05:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.9	13.1	19.7#
279	28.5	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: 5.479 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.03 min

Lab File: BN005304.D

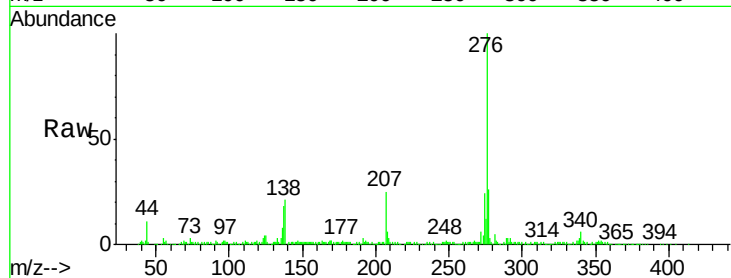
Acq: 26 Apr 2019 05:19

Instrument :

BNA_N

ClientSampleId :

GAHX3



Tgt Ion: 276 Resp: 604047

Ion Ratio Lower Upper

276 100

138 20.5 16.7 25.1

277 25.5 18.2 27.2

Manual Integrations
APPROVED

Sohil
4/26/2019 6:21:55 PM

