

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030719\
 Data File : BN004657.D
 Acq On : 08 Mar 2019 03:05
 Operator : JU/SJ
 Sample : K1657-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 DB649

Manual Integrations
 APPROVED

Sohil
 3/8/2019 3:59:31 PM

Quant Time: Mar 08 04:30:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 00:36:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	38024	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	180334	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	108713	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.11	188	252470	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	253168	20.00	ng/ul	0.00
86) Perylene-d12	23.57	264	213677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4898	7.27	ng/uL	0.00
5) Phenol-d5	6.88	99	73937	23.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	38634	23.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	65396	23.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	67482	24.69	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	33529	24.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	39547	25.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	70419	23.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	57923	16.23	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	229098	24.37	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	270004	23.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	36602	20.98	ng/ul	0.00
58) Fluorene-d10	15.36	176	192102	24.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	38043	21.83	ng/ul	0.00
71) Anthracene-d10	17.21	188	289794	23.57	ng/ul	0.00
79) Pyrene-d10	19.51	212	313221	25.32	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.42	264	238540	20.79	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.91	94	5130	1.604	ng/ul	96
28) Naphthalene	10.56	128	20232	2.153	ng/ul	99
45) Dimethylphthalate	13.82	163	35103	3.806	ng/ul	99
50) Acenaphthene	14.42	153	18704	2.475	ng/ul	99
54) Dibenzofuran	14.76	168	14555	1.341	ng/ul	98
59) Fluorene	15.41	166	19380	2.225	ng/ul	99
70) Phenanthrene	17.15	178	241010	17.167	ng/ul	99
72) Anthracene	17.25	178	66596	4.643	ng/ul	99
75) Carbazole	17.52	167	44212	3.549	ng/ul	99
76) Di-n-butylphthalate	18.07	149	288805	18.695	ng/ul	100
77) Fluoranthene	19.17	202	363327	22.446	ng/ul	97
80) Pyrene	19.54	202	268050	17.464	ng/ul	100
83) Benzo(a)anthracene	21.29	228	172821	10.851	ng/ul	97
85) Chrysene	21.35	228	147071	9.944	ng/ul	97
88) Benzo(b)fluoranthene	22.89	252	185000	13.949	ng/ul	98
89) Benzo(k)fluoranthene	22.93	252	62679m	4.806	ng/ul	
91) Benzo(a)pyrene	23.47	252	112662	9.030	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.84	276	78513	5.777	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.84	278	23122	2.022	ng/ul#	87
94) Benzo(g,h,i)perylene	26.54	276	62140	5.622	ng/ul	99

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

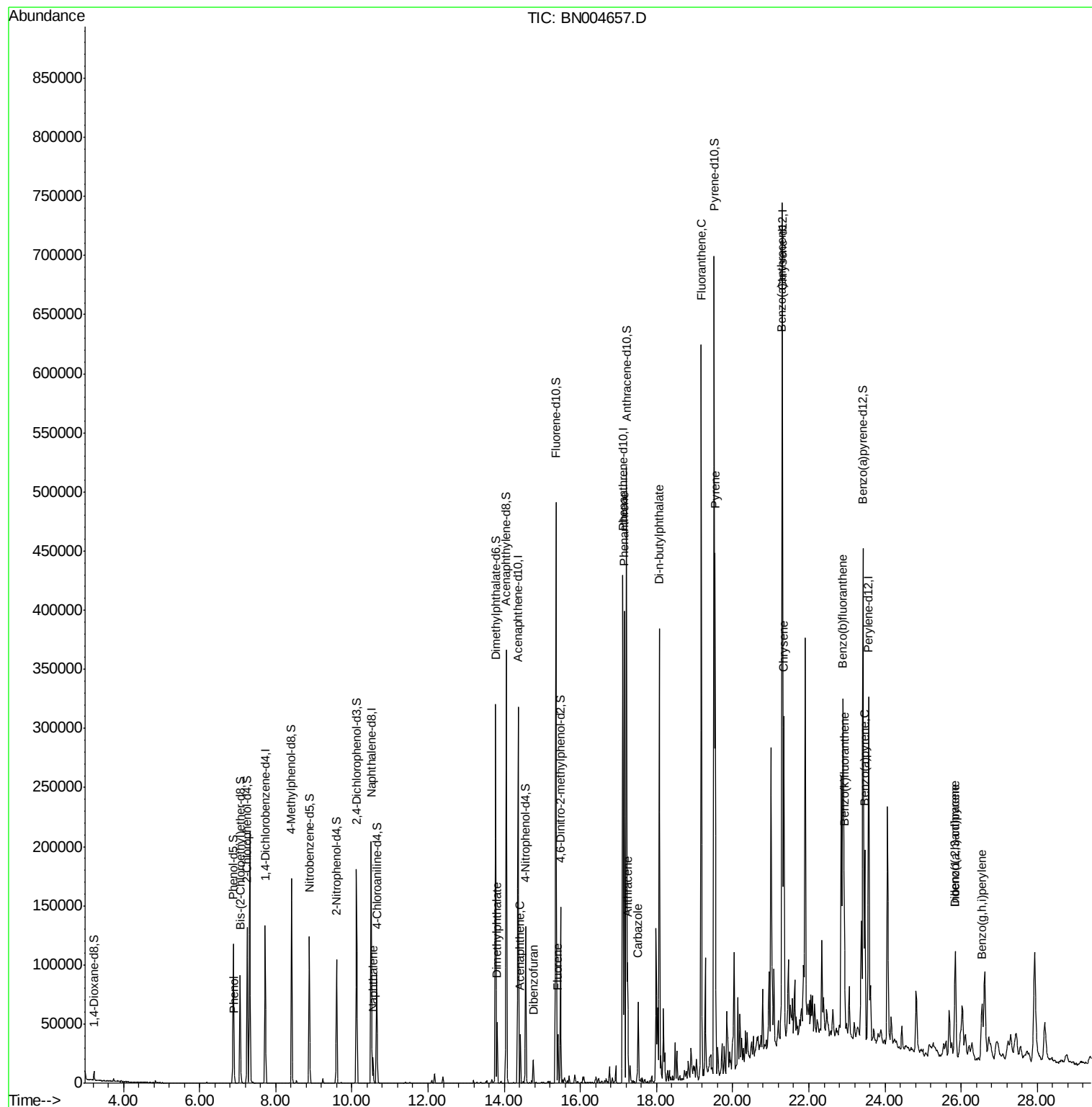
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030719\
Data File : BN004657.D
Acq On : 08 Mar 2019 03:05
Operator : JU/SJ
Sample : K1657-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

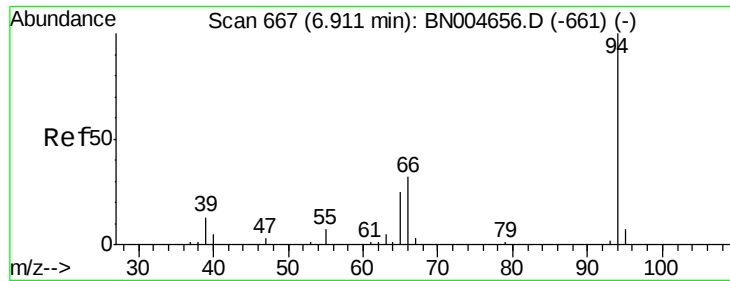
Instrument :
BNA_N
ClientSampleId :
DB649

Manual Integrations
APPROVED

Sohil
3/8/2019 3:59:31 PM

Quant Time: Mar 08 04:30:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 00:36:35 2019
Response via : Initial Calibration





#6

Phenol

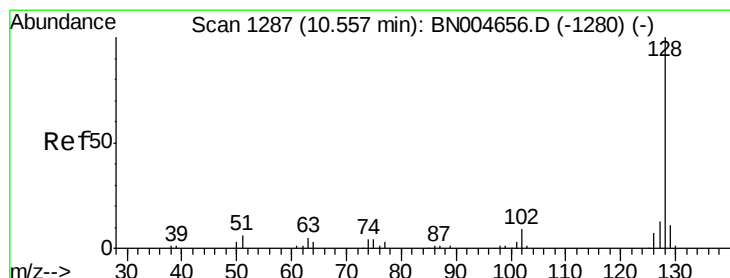
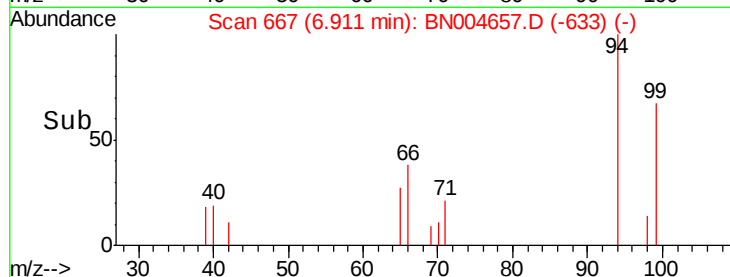
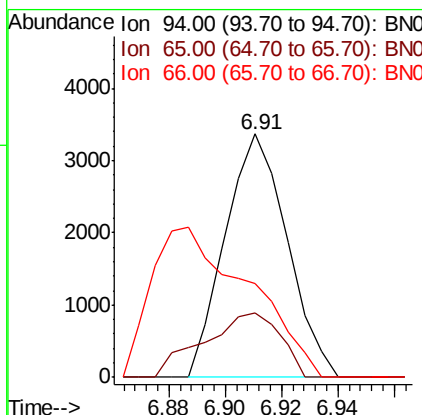
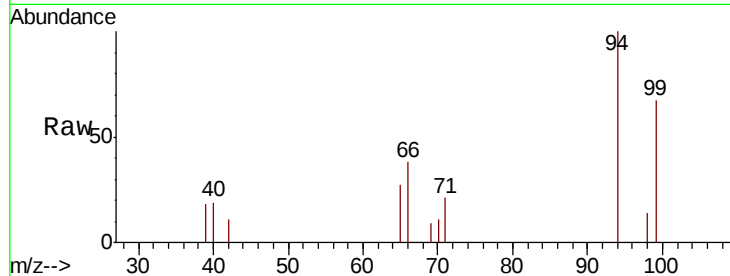
Concen: 1.604 ng/ul
 RT: 6.91 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Instrument :
 BNA_N
 ClientSampleID :
 DB649

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.5	20.2	30.4
66	38.3	28.2	42.2

Manual Integrations
 APPROVED

Sohil
 3/8/2019 3:59:31 PM

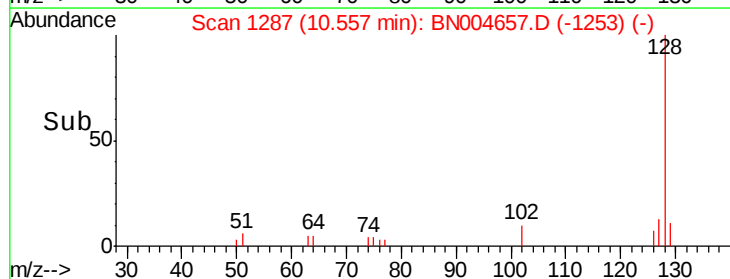
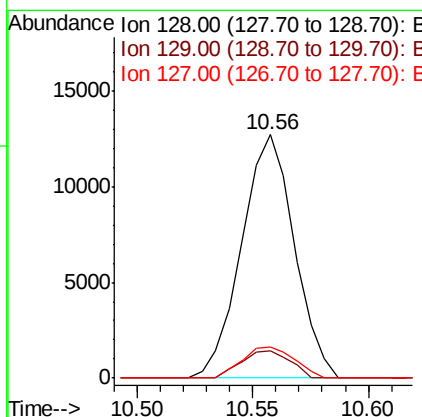
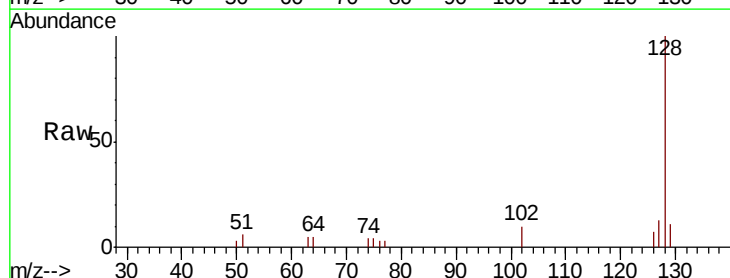


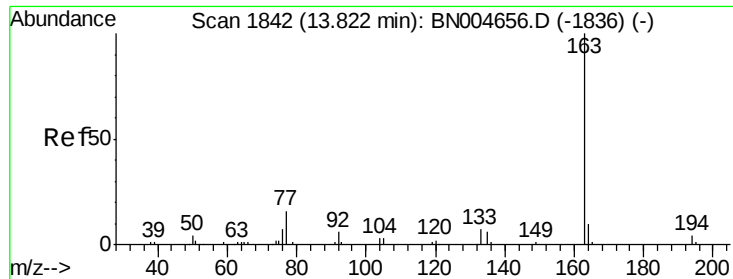
#28

Naphthalene

Concen: 2.153 ng/ul
 RT: 10.56 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	12.9	10.2	15.4





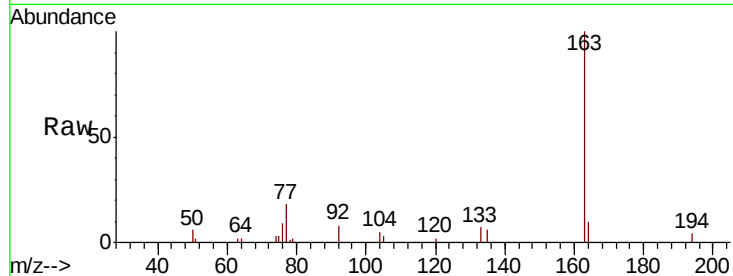
#45
Dimethylphthalate
Concen: 3.806 ng/ul
RT: 13.82 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampled :
DB649

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		35103		
194	4.4	3.4	5.2		
164	10.3	7.9	11.9		

Manual Integrations
APPROVED

Sohil
3/8/2019 3:59:31 PM

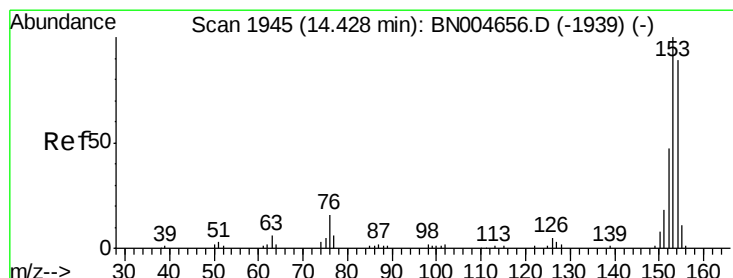
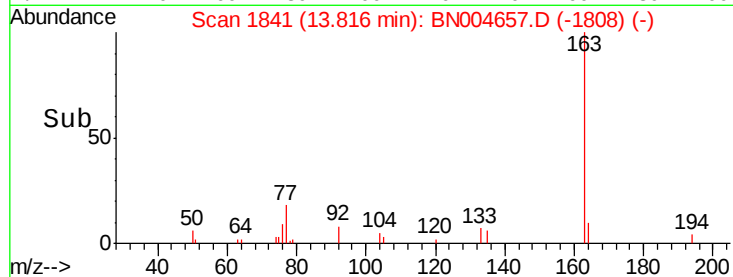
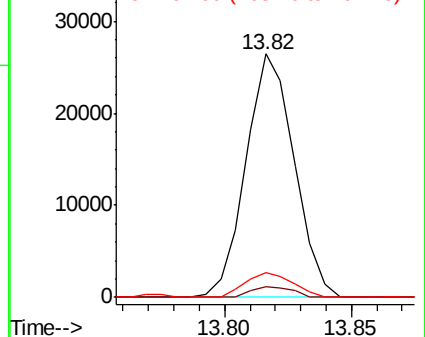


Abundance

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



#50
Acenaphthene
Concen: 2.475 ng/ul
RT: 14.42 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

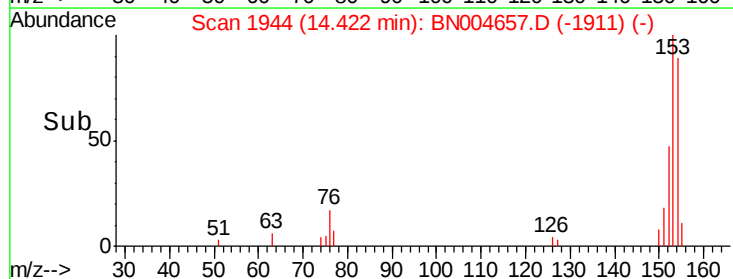
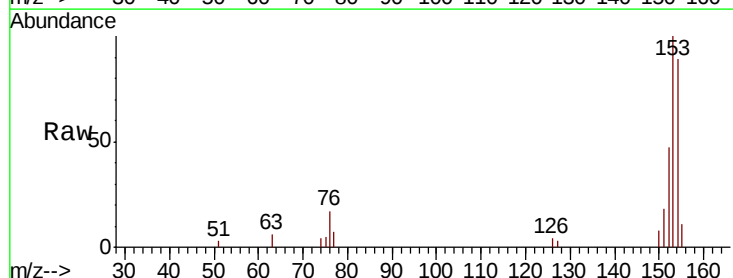
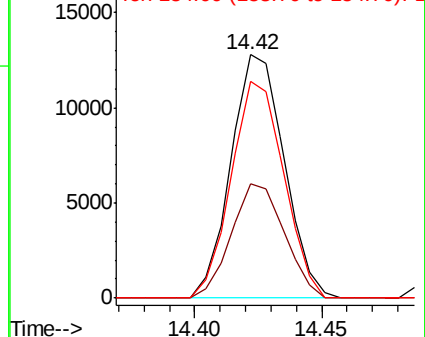
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
153	100		18704		
152	47.1	37.8	56.6		
154	89.0	70.0	105.0		

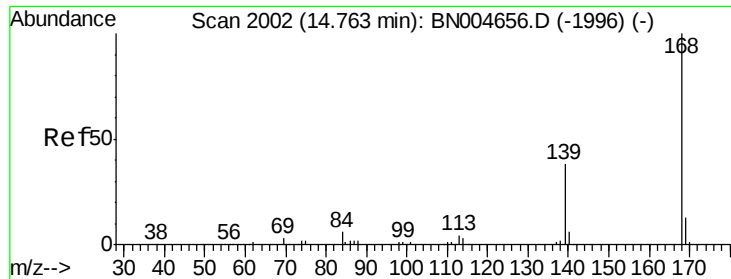
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





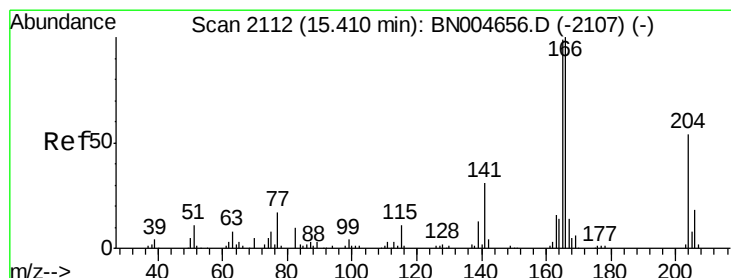
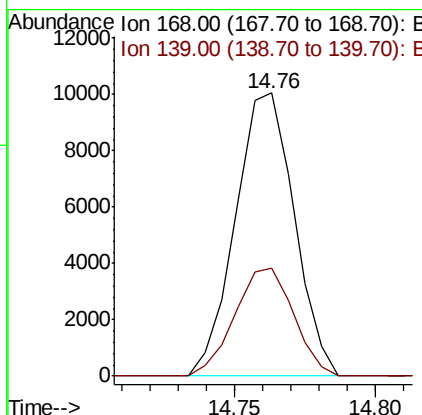
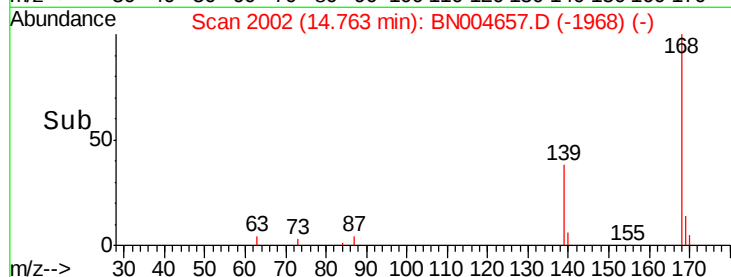
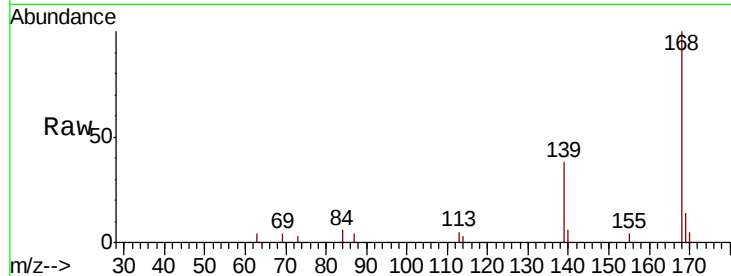
#54
Dibenzenofuran
Concen: 1.341 ng/ul
RT: 14.76 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampled :
DB649

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.8	44.6

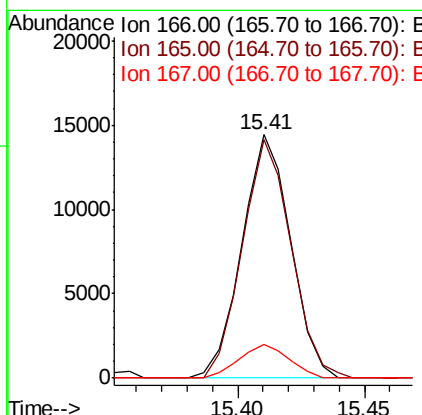
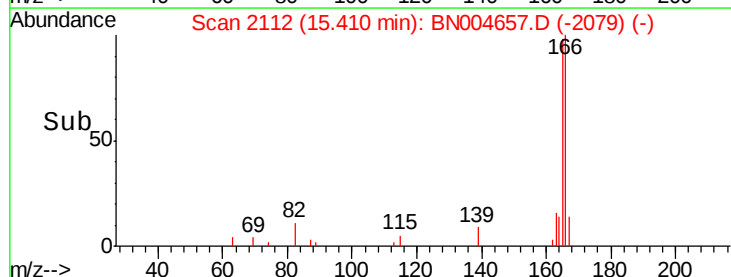
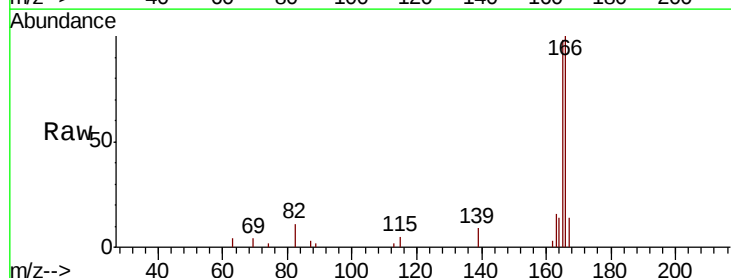
Manual Integrations
APPROVED

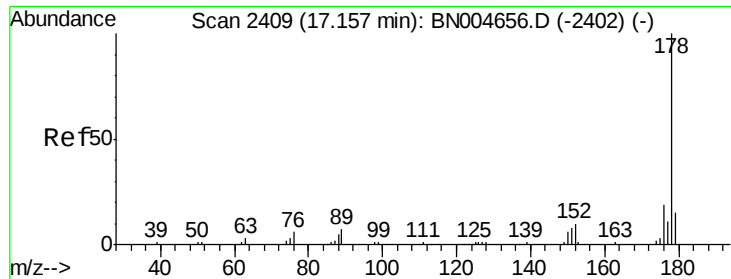
Sohil
3/8/2019 3:59:31 PM



#59
Fluorene
Concen: 2.225 ng/ul
RT: 15.41 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.0	117.0
167	14.0	10.8	16.2





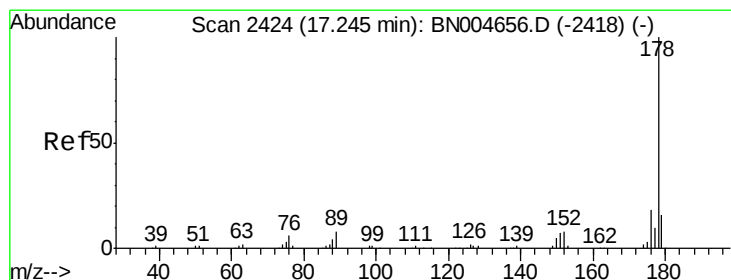
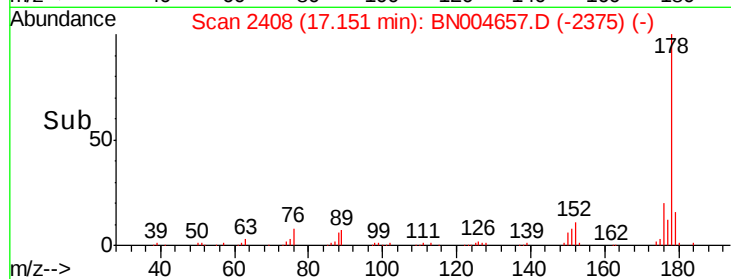
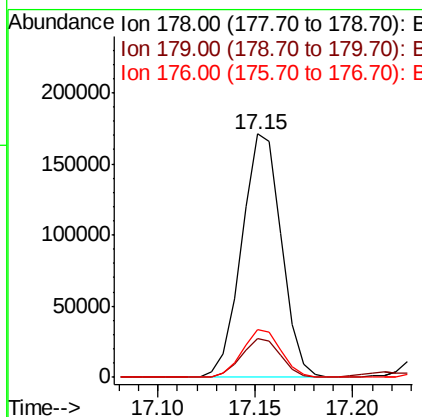
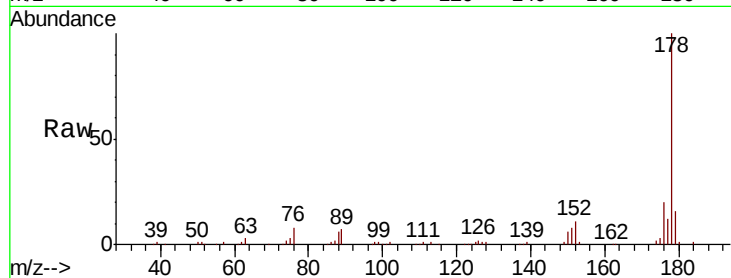
#70
Phenanthrene
Concen: 17.167 ng/ul
RT: 17.15 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampled :
DB649

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.7	15.4	23.0

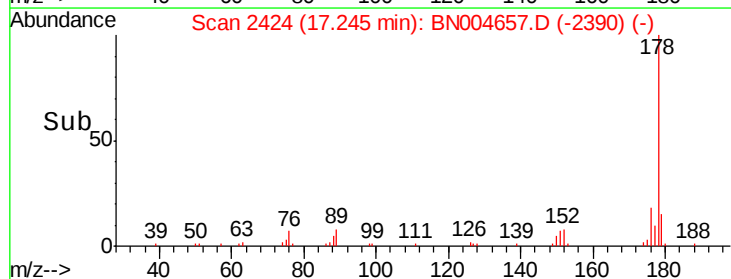
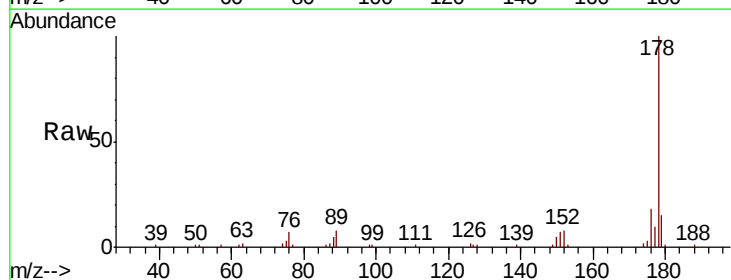
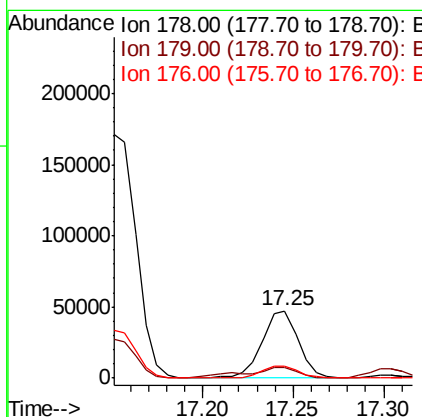
Manual Integrations
APPROVED

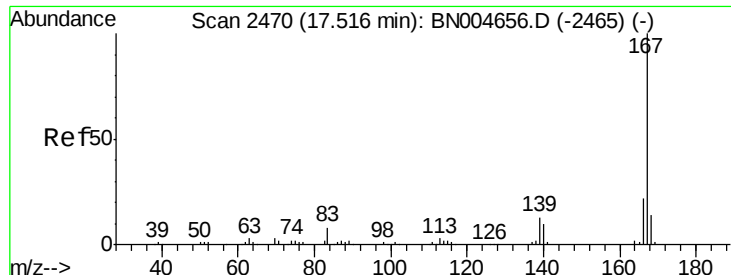
Sohil
3/8/2019 3:59:31 PM



#72
Anthracene
Concen: 4.643 ng/ul
RT: 17.25 min Scan# 2424
Delta R.T. 0.00 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	18.1	14.9	22.3





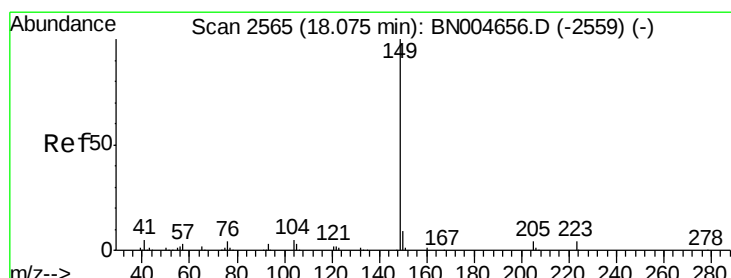
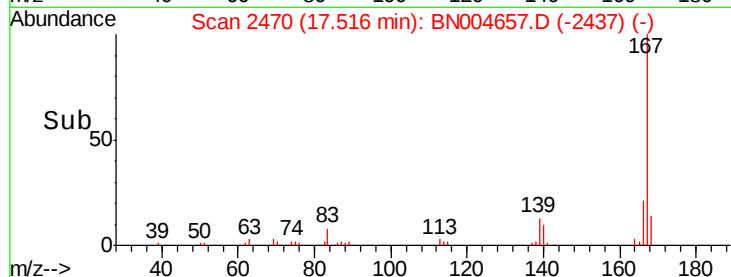
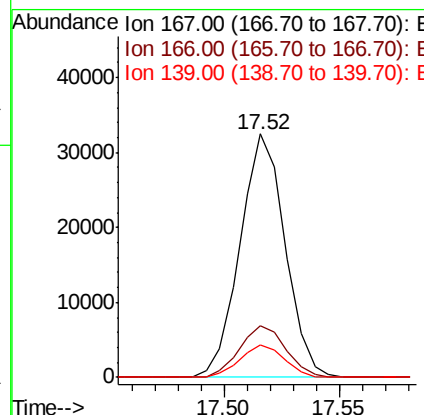
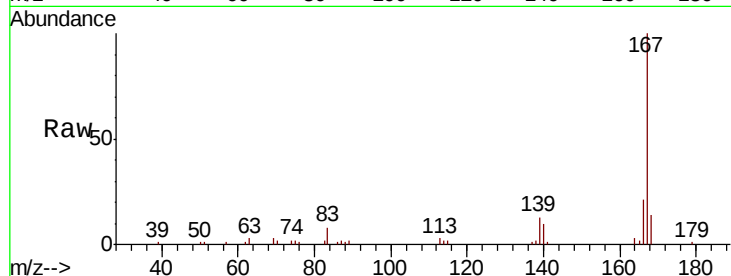
#75
 Carbazole
 Concen: 3.549 ng/ul
 RT: 17.52 min Scan# 2470
 Delta R.T. -0.01 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Instrument :
 BNA_N
 ClientSampleId :
 DB649

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.1	10.4	15.6

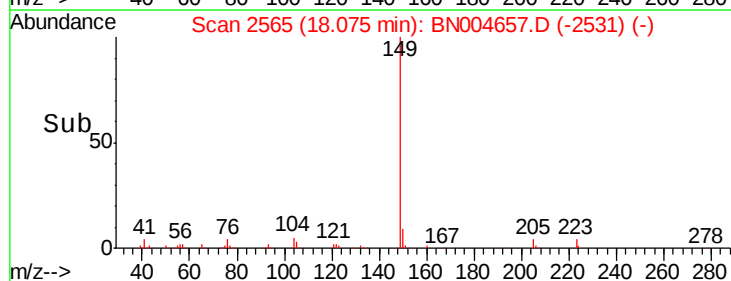
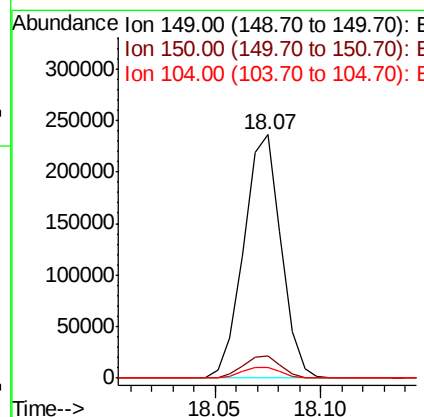
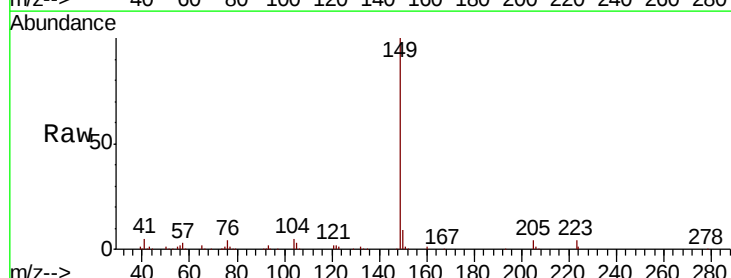
Manual Integrations
 APPROVED

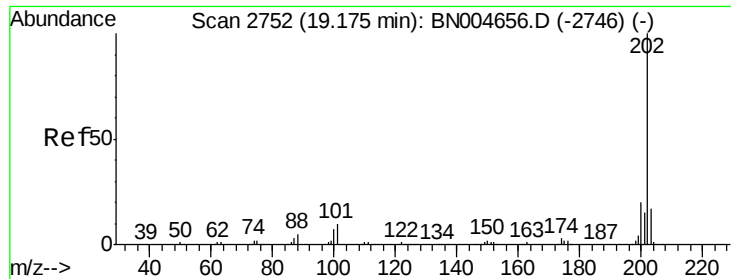
Sohil
 3/8/2019 3:59:31 PM



#76
 Di-n-butylphthalate
 Concen: 18.695 ng/ul
 RT: 18.07 min Scan# 2565
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.6	3.7	5.5





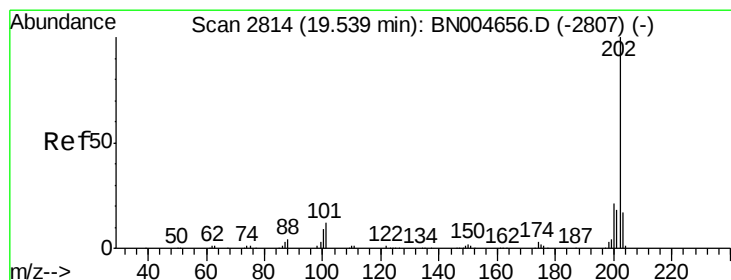
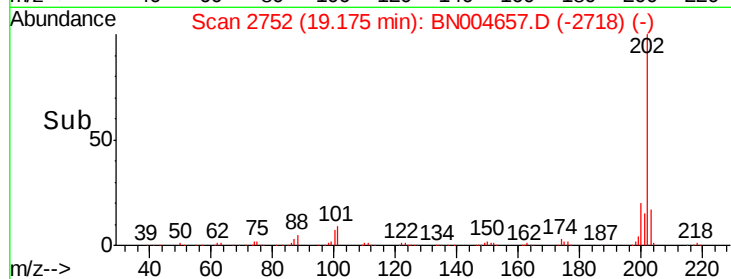
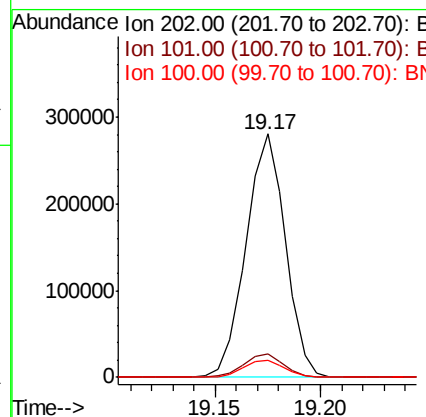
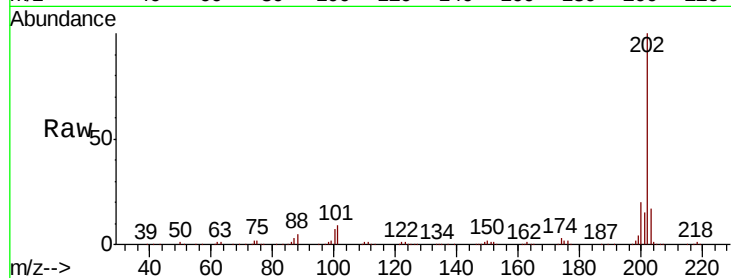
#77
Fluoranthene
 Concen: 22.446 ng/ul
 RT: 19.17 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Instrument :
 BNA_N
 ClientSampleId :
 DB649

Tot Ion:	202	Resp:	363327
Ion Ratio	Lower	Upper	
202	100		
101	9.4	8.2	12.4
100	7.2	6.6	9.8

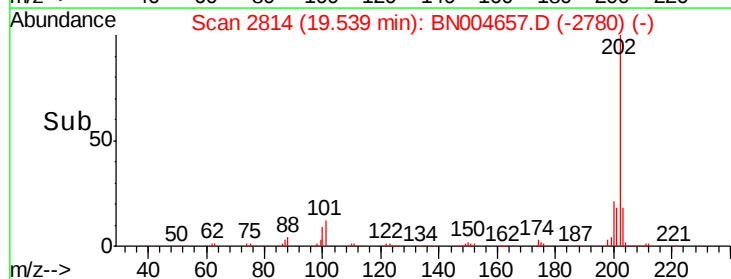
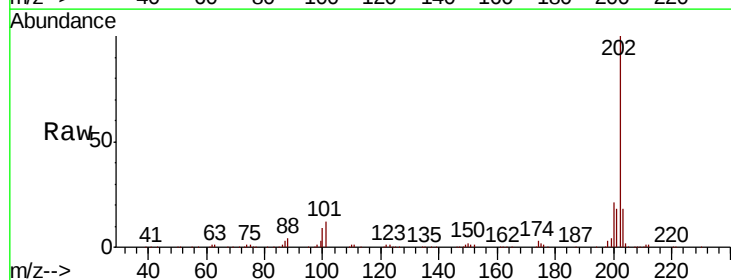
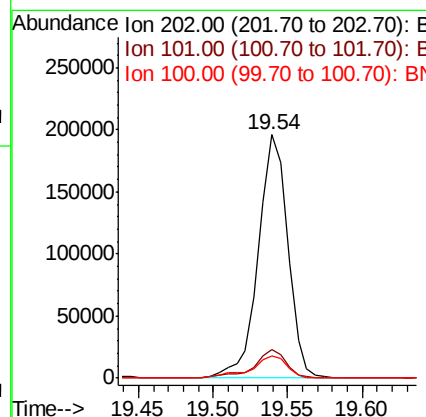
Manual Integrations
 APPROVED

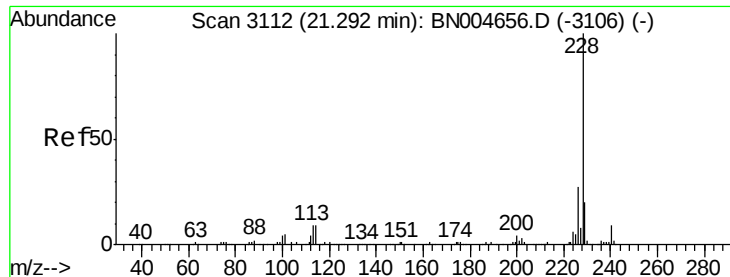
Sohil
 3/8/2019 3:59:31 PM



#80
Pyrene
 Concen: 17.464 ng/ul
 RT: 19.54 min Scan# 2814
 Delta R.T. 0.00 min
 Lab File: BN004657.D
 Acq: 08 Mar 2019 03:05

Tgt Ion:	202	Resp:	268050
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.2	13.8
100	9.3	7.5	11.3





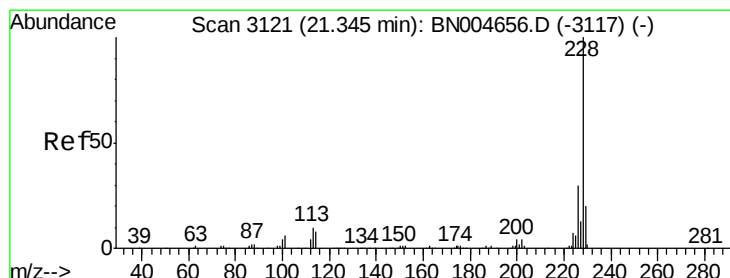
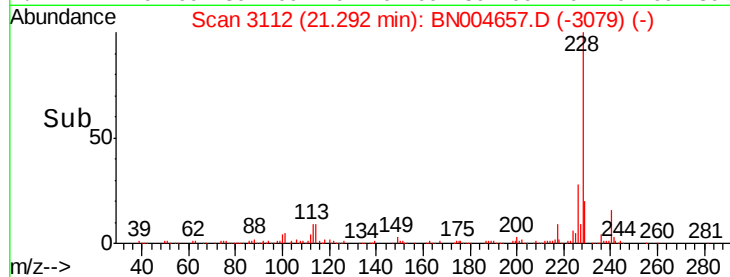
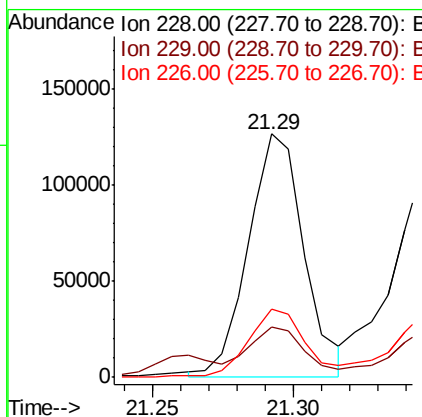
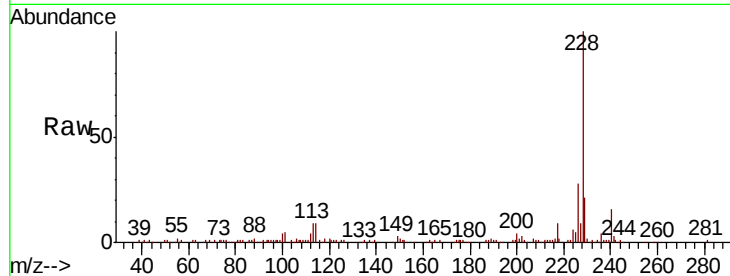
#83
Benzo(a)anthracene
Concen: 10.851 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampleId :
DB649

Tot Ion:228	Resp:	172821
Ion Ratio	Lower	Upper
228 100		
229 20.7	15.4	23.2
226 28.1	21.4	32.2

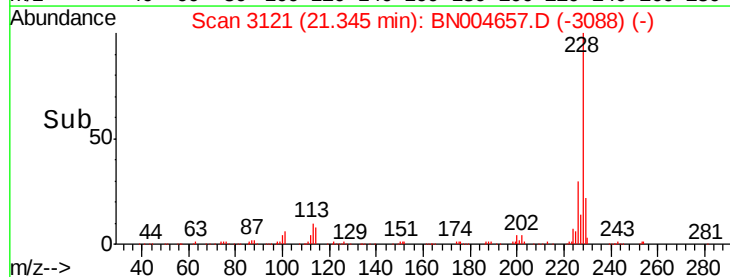
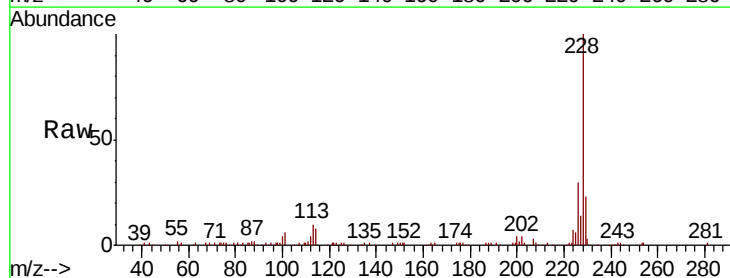
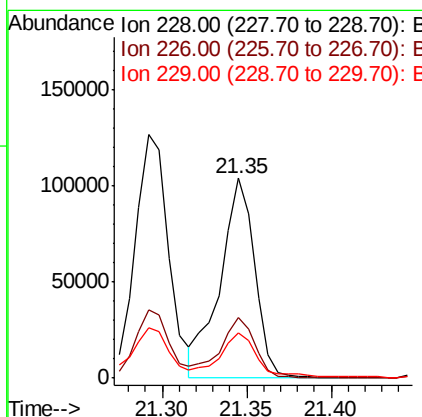
Manual Integrations
APPROVED

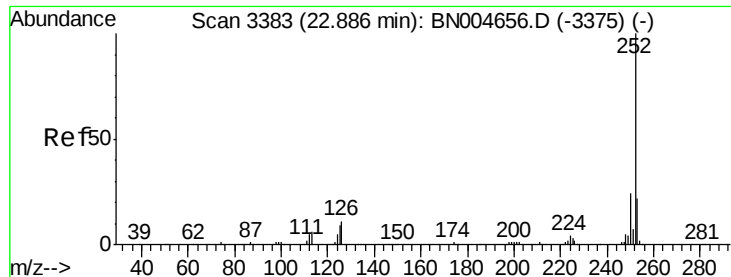
Sohil
3/8/2019 3:59:31 PM



#85
Chrysene
Concen: 9.944 ng/ul
RT: 21.35 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion:228	Resp:	147071
Ion Ratio	Lower	Upper
228 100		
226 30.1	24.0	36.0
229 22.8	15.7	23.5





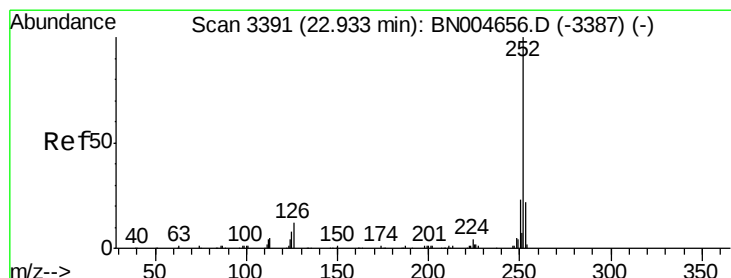
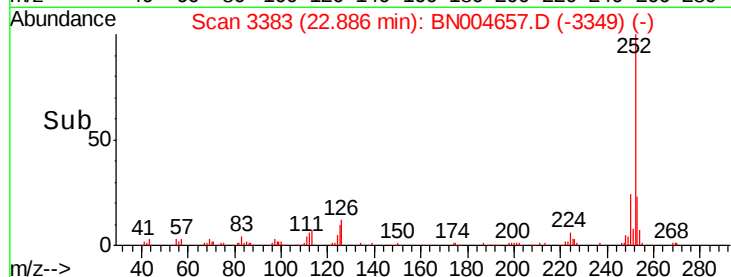
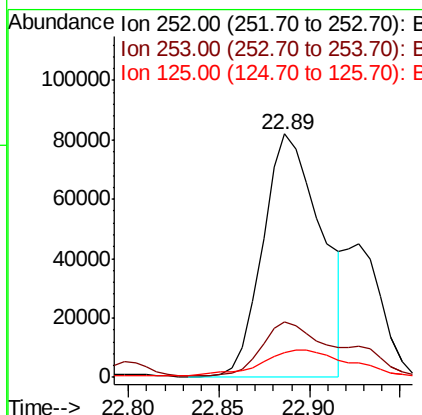
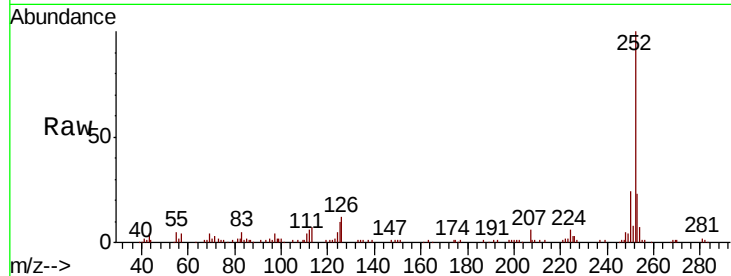
#88
Benzo(b)fluoranthene
Concen: 13.949 ng/u1
RT: 22.89 min Scan# 3383
Delta R.T. 0.00 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampled :
DB649

Tot Ion:	252	Resp:	185000
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	10.4	7.4	11.2

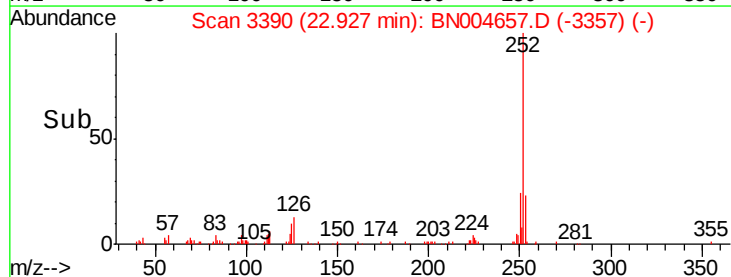
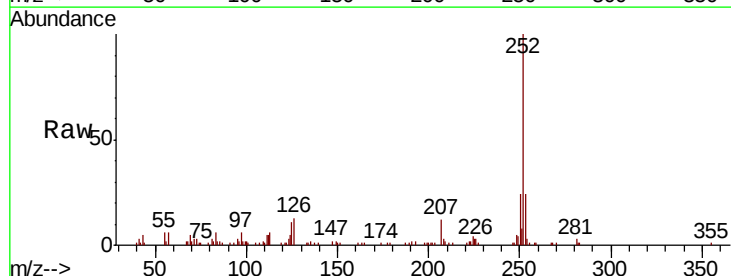
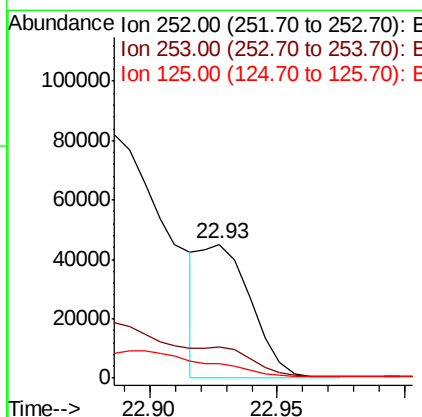
Manual Integrations
APPROVED

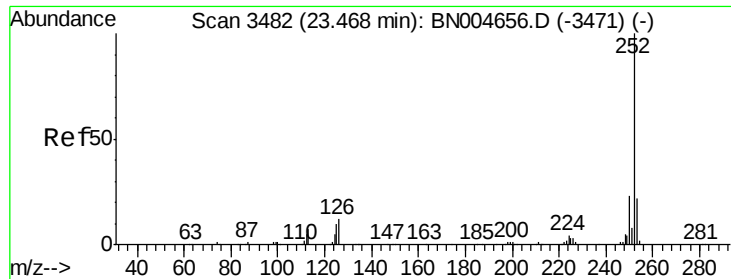
Sohil
3/8/2019 3:59:31 PM



#89
Benzo(k)fluoranthene
Concen: 4.806 ng/u1 m
RT: 22.93 min Scan# 3390
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion:	252	Resp:	62679
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	10.8	7.4	11.0





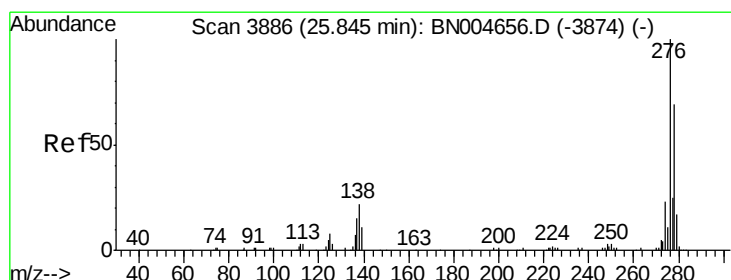
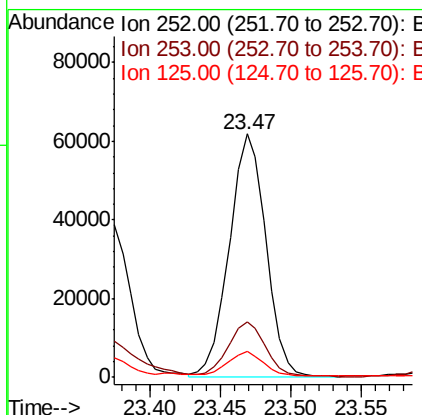
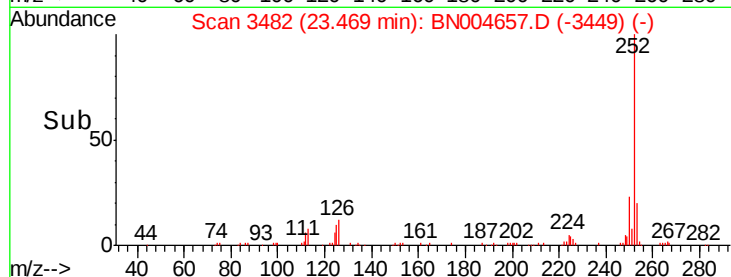
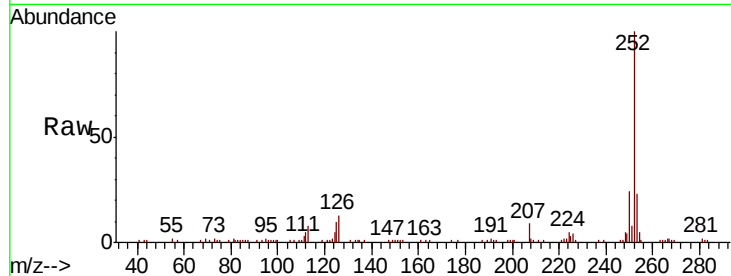
#91
Benzo(a)pyrene
Concen: 9.030 ng/u1
RT: 23.47 min Scan# 3482
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Instrument :
BNA_N
ClientSampled :
DB649

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	10.4	8.4	12.6

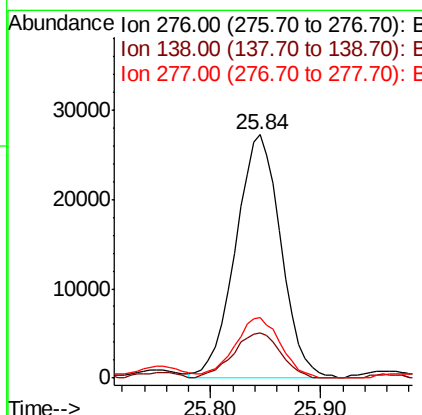
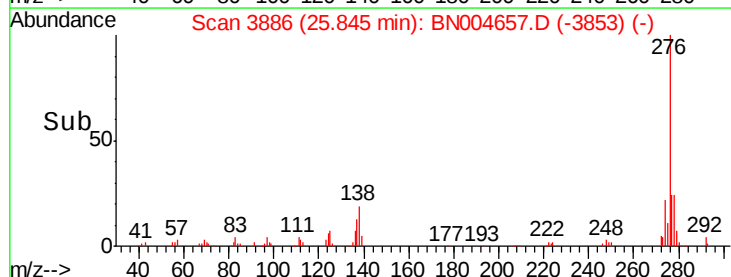
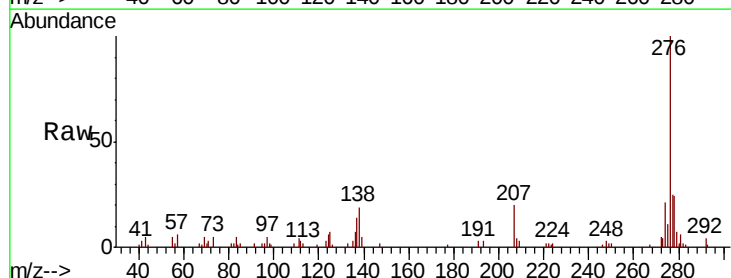
Manual Integrations
APPROVED

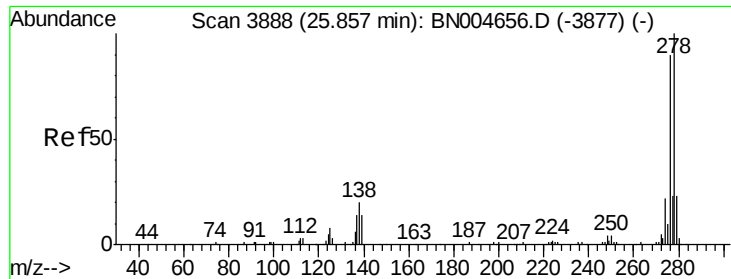
Sohil
3/8/2019 3:59:31 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 5.777 ng/u1
RT: 25.84 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BN004657.D
Acq: 08 Mar 2019 03:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.7	28.1#
277	24.7	19.8	29.8





#93

Dibenzo(a,h)anthracene

Concen: 2.022 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.02 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Instrument :

BNA_N

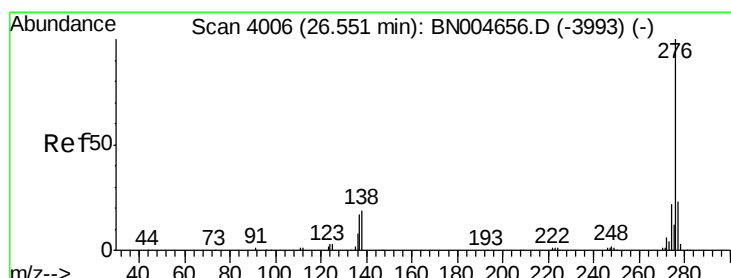
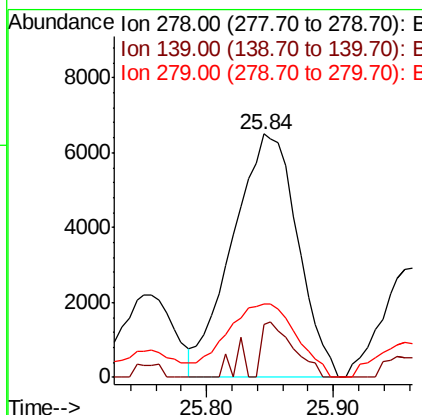
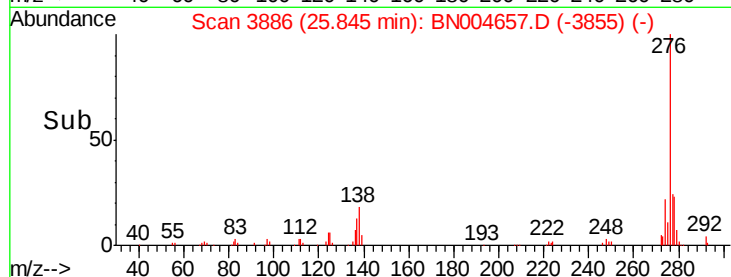
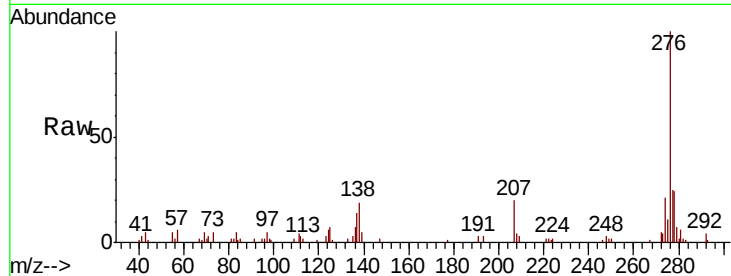
ClientSampleId :

DB649

Tot Ion:	278	Resp:	23122
Ion Ratio	Lower	Upper	
278	100		
139	21.9	12.4	18.6#
279	30.1	19.3	28.9#

Manual Integrations
APPROVED

Sohil
3/8/2019 3:59:31 PM



#94

Benzo(g,h,i)perylene

Concen: 5.622 ng/ul

RT: 26.54 min Scan# 4005

Delta R.T. -0.01 min

Lab File: BN004657.D

Acq: 08 Mar 2019 03:05

Tgt Ion:	276	Resp:	62140
Ion Ratio	Lower	Upper	
276	100		
138	19.7	16.7	25.1
277	23.9	19.0	28.6

