

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005546.D
 Acq On : 08 May 2019 23:27
 Operator : JU/SJ
 Sample : K2604-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
Client Sampled :
 GAJ86

Manual Integrations
APPROVED
 Sohil
 5/9/2019 2:35:31 PM

Quant Time: May 09 12:22:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	299859	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1190800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	804306	20.00	ng/ul	0.01
61) Phenanthrene-d10	16.99	188	1761324	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1481143	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1367926	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	3870	0.62	ng/uL	0.00
5) Phenol-d5	6.78	99	84885	3.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	57707	3.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	72844	4.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	58784	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	48444	6.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	35656	4.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	78398	4.60	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.65	166	252036	4.32	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	321362	4.48	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	59895	6.50	ng/ul	0.00
57) Fluorene-d10	15.23	176	227795	4.65	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.40	200	13161m	1.66	ng/ul	0.04
70) Anthracene-d10	17.08	188	352787	4.78	ng/ul	0.00
78) Pyrene-d10	19.39	212	385423	5.09	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	284689	4.76	ng/ul	-0.02

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.42	128	22047841m	398.275	ng/ul	
34) 2-Methylnaphthalene	12.05	142	23565567m	581.377	ng/ul	
40) 1,1'-Biphenyl	13.06	154	1839961	30.703	ng/ul	98
44) Dimethylphthalate	13.69	163	72400	1.244	ng/ul#	68
47) Acenaphthylene	13.95	152	895387	12.705	ng/ul#	75
49) Acenaphthene	14.30	153	3172850	65.948	ng/ul	99
53) Dibenzofuran	14.63	168	909055m	13.124	ng/ul	
58) Fluorene	15.29	166	2712336	50.180	ng/ul#	97
69) Phenanthrene	17.03	178	10690869	124.632	ng/ul	96
71) Anthracene	17.12	178	1995117	22.832	ng/ul	98
76) Fluoranthene	19.06	202	1749605	18.389	ng/ul#	95
79) Pyrene	19.42	202	2689272	28.199	ng/ul#	93
82) Benzo(a)anthracene	21.19	228	1001726m	10.872	ng/ul	
84) Chrysene	21.25	228	863414	10.096	ng/ul	95
87) Benzo(b)fluoranthene	22.76	252	594690	7.734	ng/ul	97
88) Benzo(k)fluoranthene	22.79	252	159833m	2.176	ng/ul	
90) Benzo(a)pyrene	23.31	252	603585	8.351	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.59	276	267585	3.349	ng/ul	96
92) Dibenzo(a,h)anthracene	25.59	278	81525	1.202	ng/ul#	77
93) Benzo(g,h,i)perylene	26.25	276	281512	4.260	ng/ul#	94

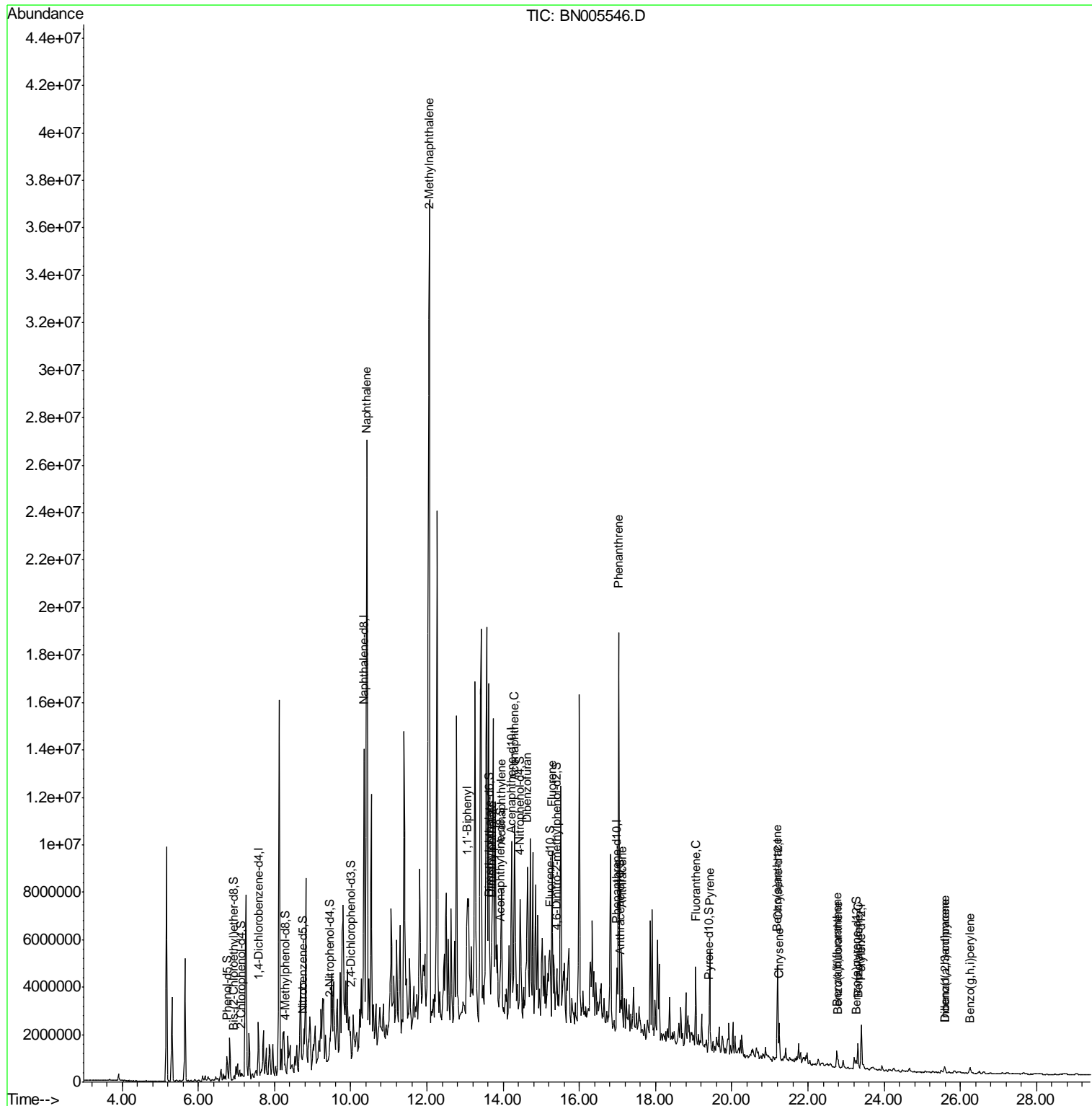
(#) = qualifier out of range (m) = manual integration (+) = signals summed

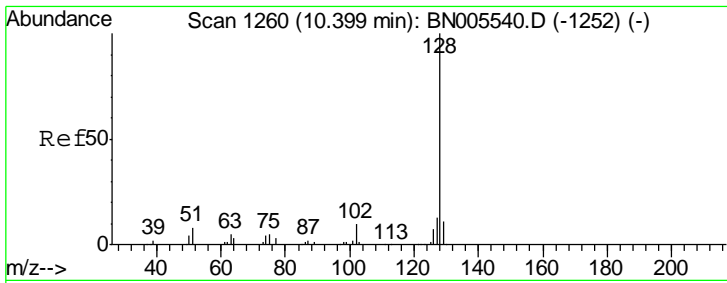
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005546.D
 Acq On : 08 May 2019 23:27
 Operator : JU/SJ
 Sample : K2604-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sampled :
 GAJ86

Manual Integrations
 APPROVED
 Sohil
 5/9/2019 2:35:31 PM

Quant Time: May 09 12:22:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration





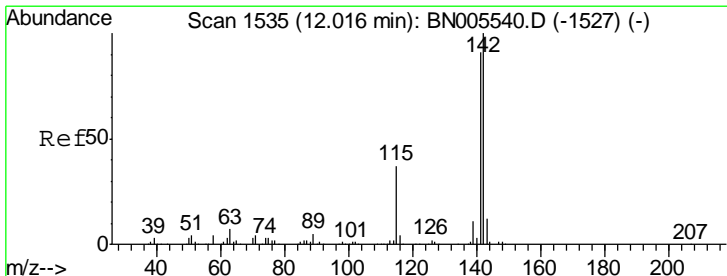
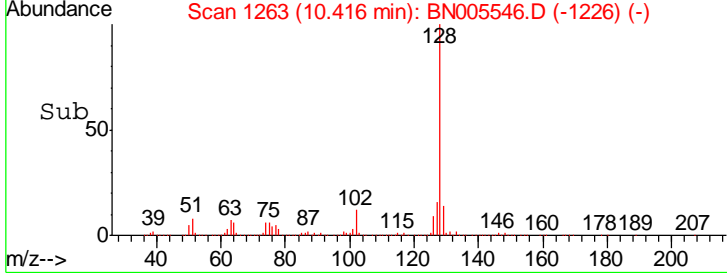
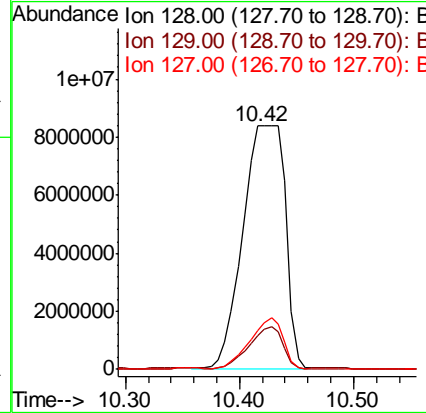
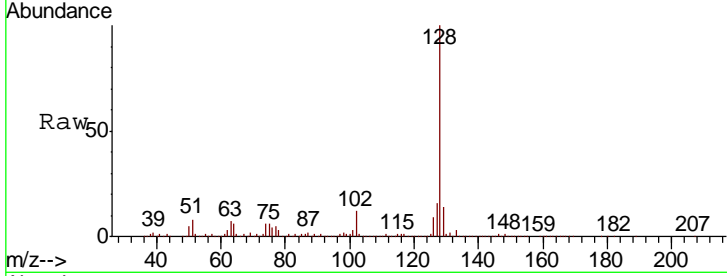
#28
 Naphthalene
 Concen: 398.275 ng/ul m
 RT: 10.42 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
ClientSampled :
 GAJ86

Tgt Ion:128 Resp:22047841

Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.2	13.8#
127	15.9	10.7	16.1

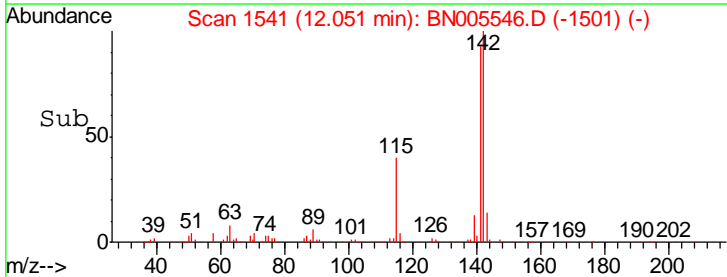
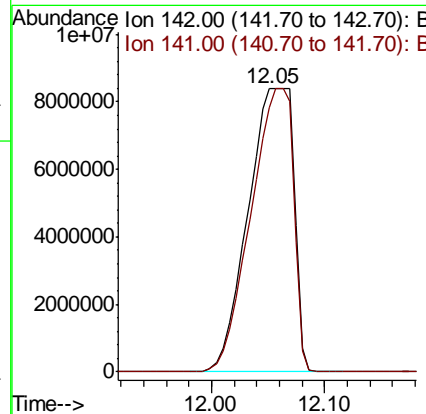
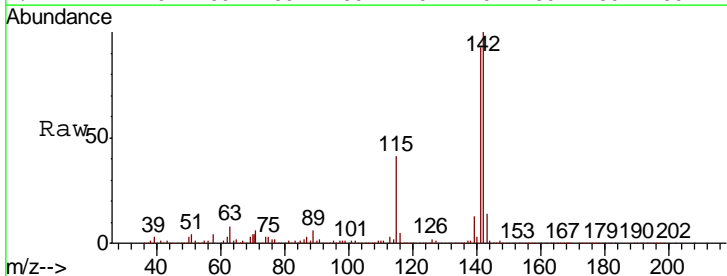
Manual Integrations
APPROVED
 Sohil
 5/9/2019 2:35:31 PM

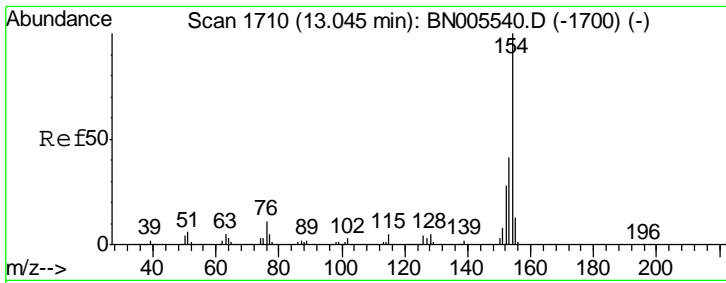


#34
 2-Methylnaphthalene
 Concen: 581.377 ng/ul m
 RT: 12.05 min Scan# 1541
 Delta R.T. 0.04 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion:142 Resp:23565567

Ion	Ratio	Lower	Upper
142	100		
141	93.2	72.0	108.0



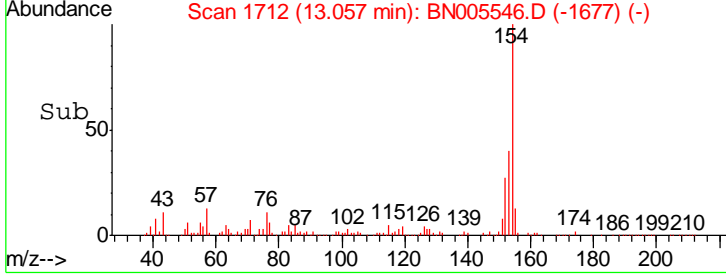
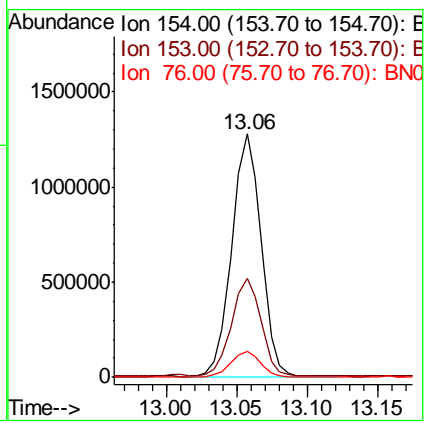
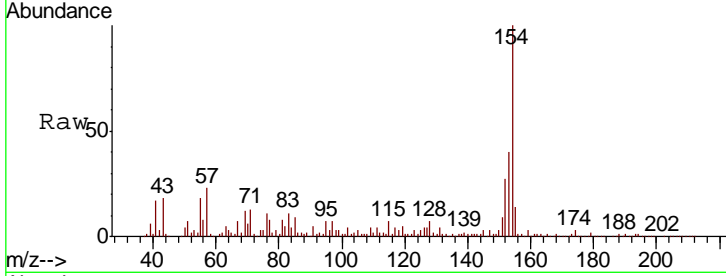


#40
 1,1'-Biphenyl
 Concen: 30.703 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
ClientSampled :
 GAJ86

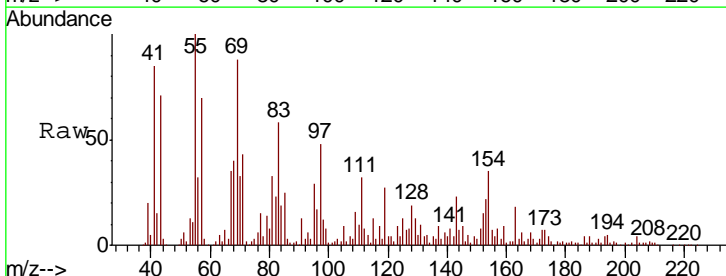
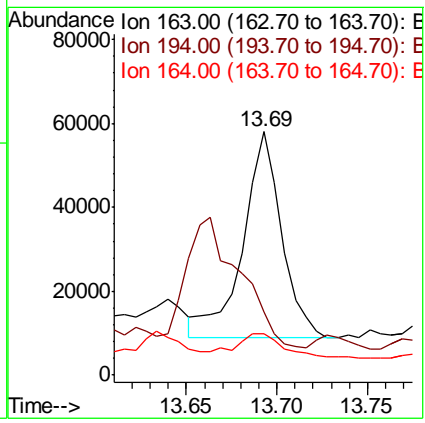
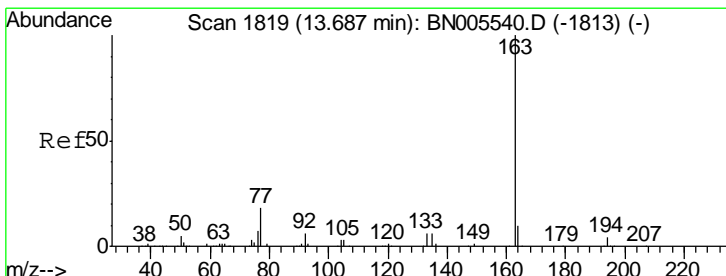
Tgt Ion	Resp	Lower	Upper
154	1839961		
153	40.5	32.6	49.0
76	10.8	10.4	15.6

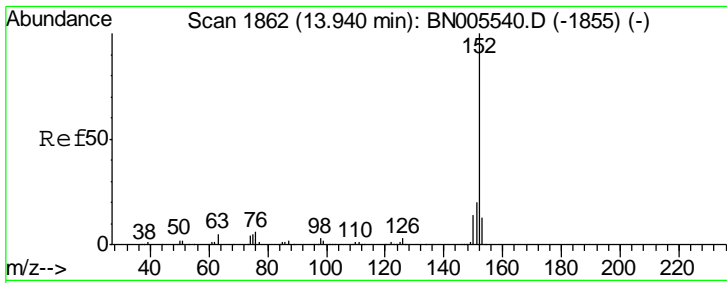
Manual Integrations
APPROVED
 Sohil
 5/9/2019 2:35:31 PM



#44
 Dimethylphthalate
 Concen: 1.244 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
163	72400		
194	25.8	3.4	5.0#
164	17.0	8.1	12.1#





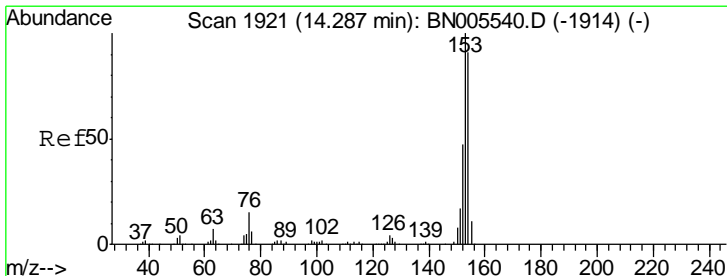
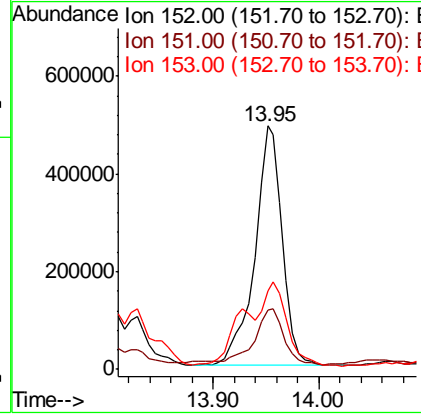
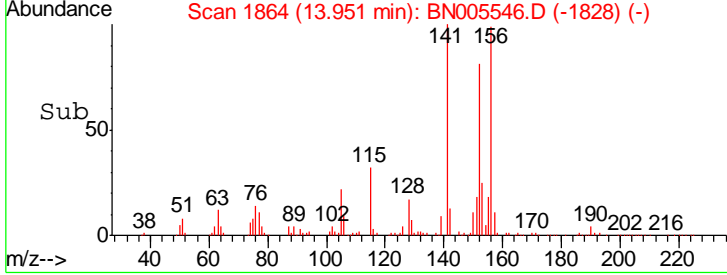
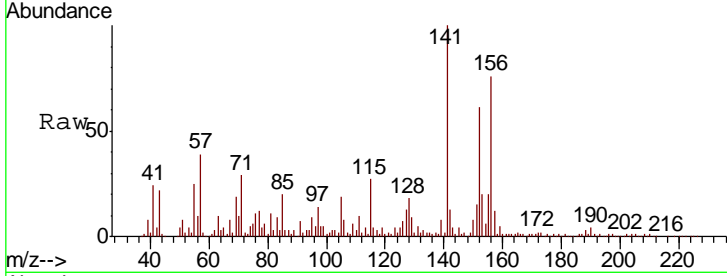
#47
 Acenaphthylene
 Concen: 12.705 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

Tgt Ion	Resp	Lower	Upper
152	100		
151	24.2	15.8	23.8#
153	32.3	9.8	14.8#

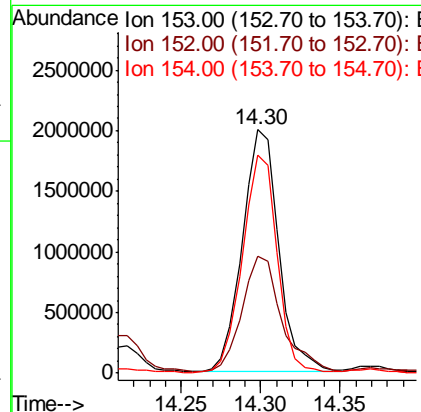
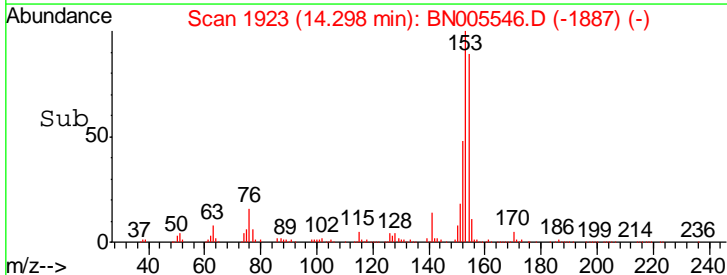
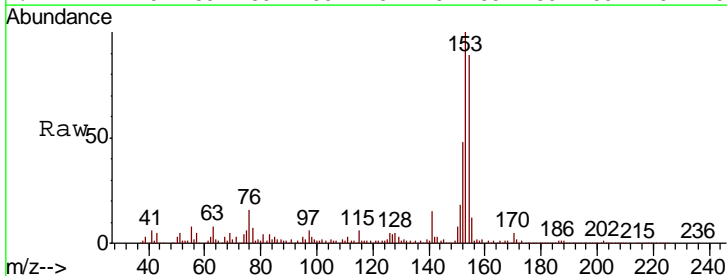
Manual Integrations
 APPROVED

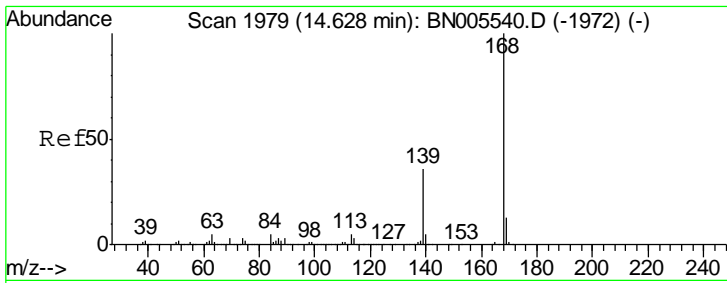
Sohil
 5/9/2019 2:35:31 PM



#49
 Acenaphthene
 Concen: 65.948 ng/ul
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
153	100		
152	48.1	37.4	56.0
154	89.3	71.2	106.8



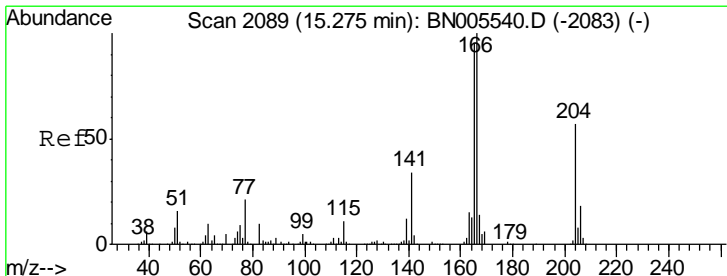
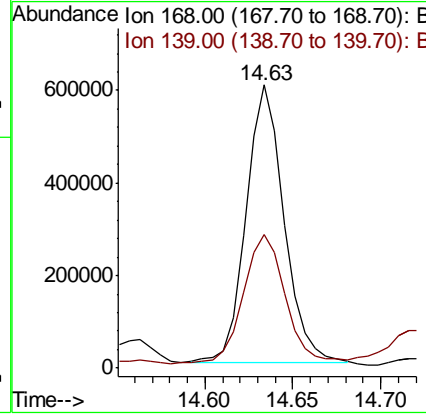
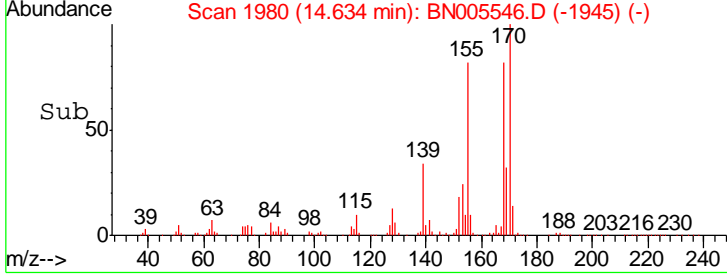
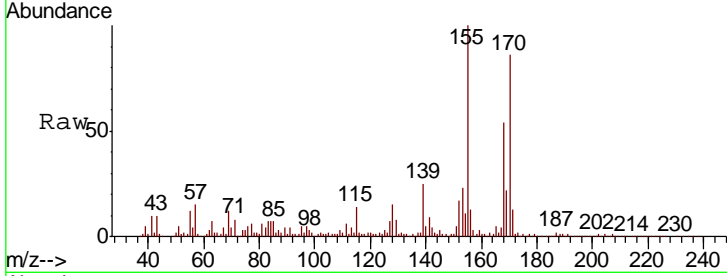


#53
 Dibenzofuran
 Concen: 13.124 ng/ul m
 RT: 14.63 min Scan# 1980
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

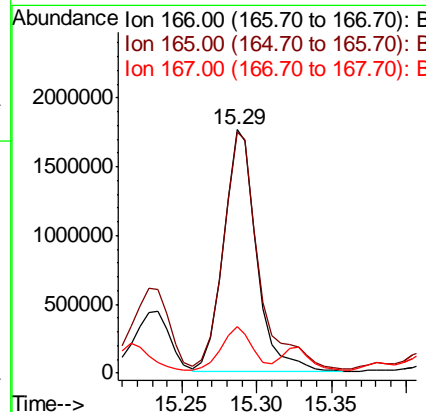
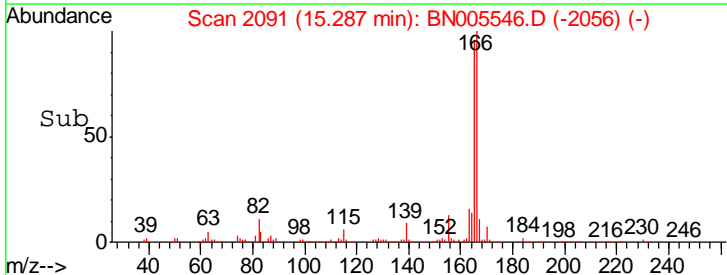
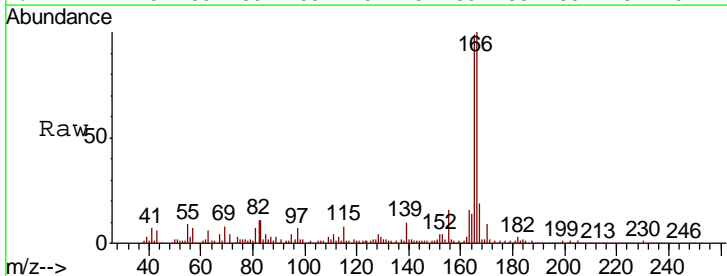
Tgt Ion	Resp	Lower	Upper
168	100		
139	47.2	30.9	46.3#

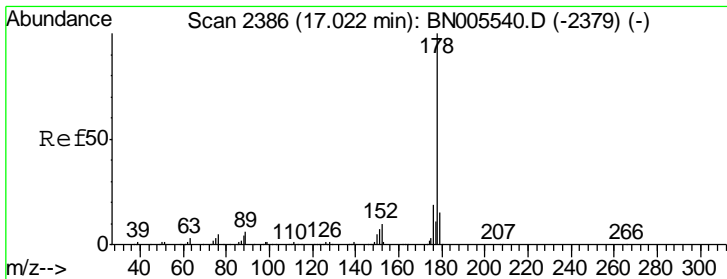
Manual Integrations
APPROVED
 Sohil
 5/9/2019 2:35:31 PM



#58
 Fluorene
 Concen: 50.180 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
166	100		
165	99.0	80.0	120.0
167	19.4	10.7	16.1#





#69
 Phenanthrene
 Concen: 124.632 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

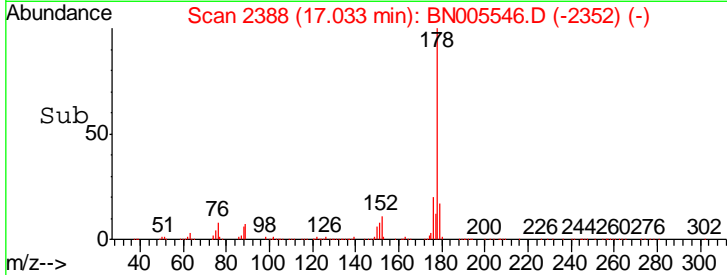
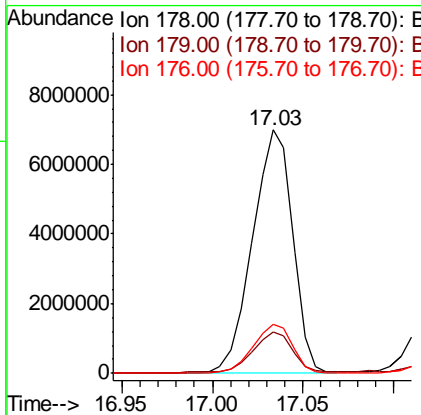
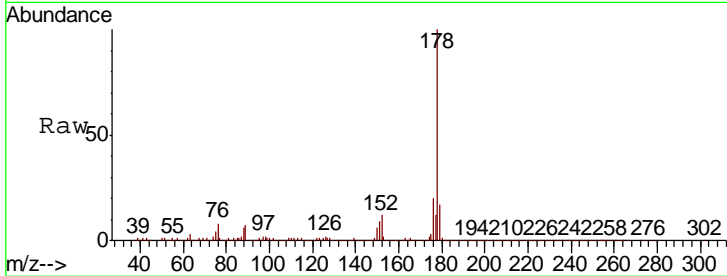
Instrument :
 BNA_N
Client Sampled :
 GAJ86

Tgt Ion:178 Resp:10690869

Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.2	18.4
176	20.4	15.1	22.7

Manual Integrations
APPROVED

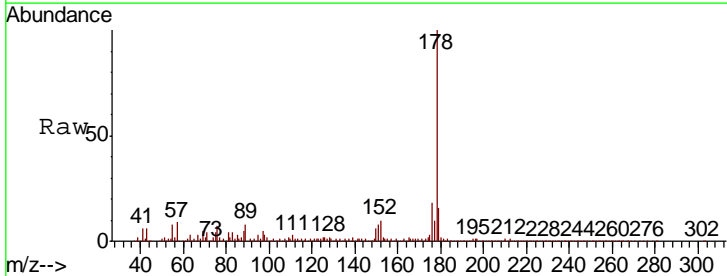
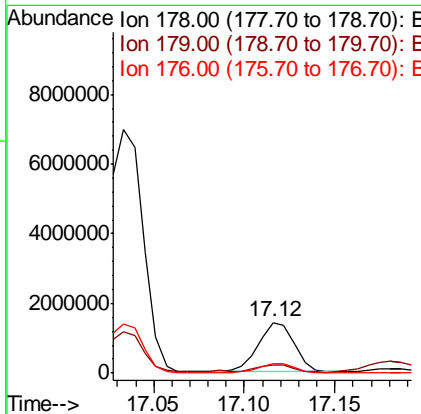
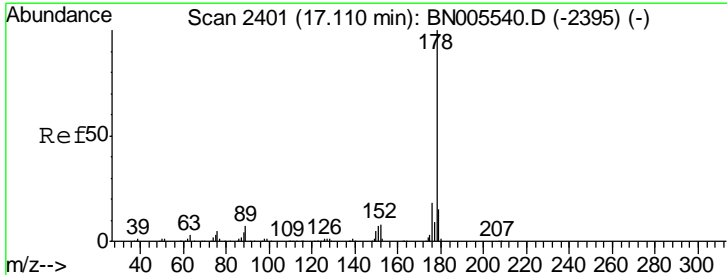
Sohil
 5/9/2019 2:35:31 PM

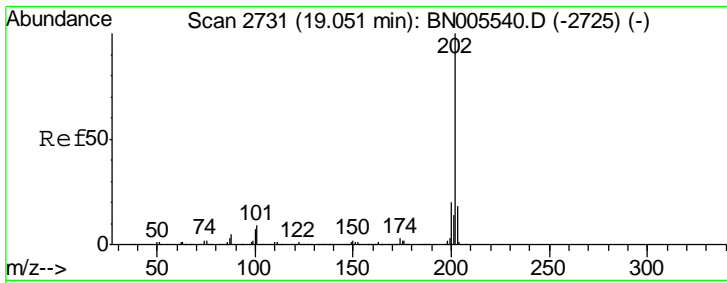


#71
 Anthracene
 Concen: 22.832 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion:178 Resp: 1995117

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	18.3	15.1	22.7





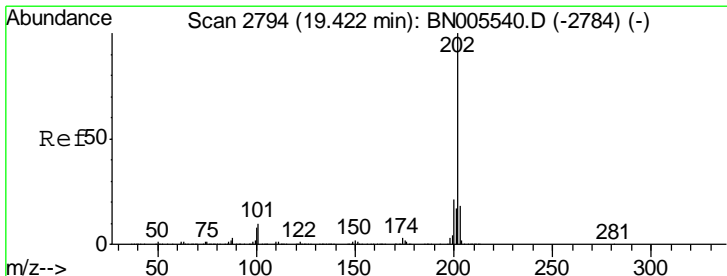
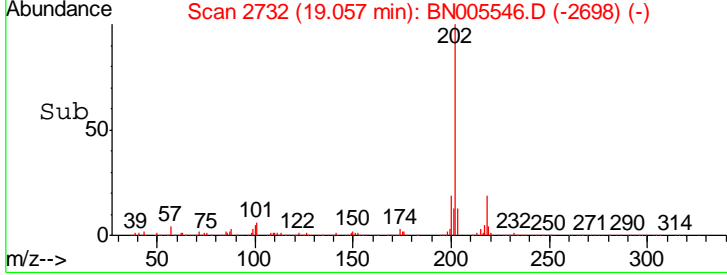
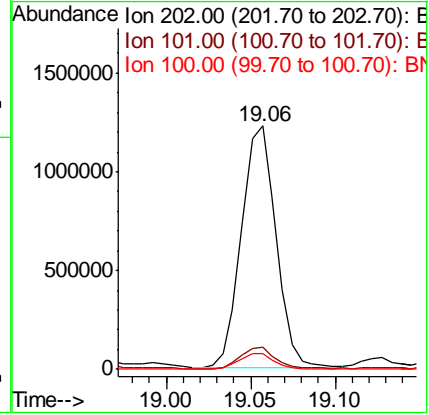
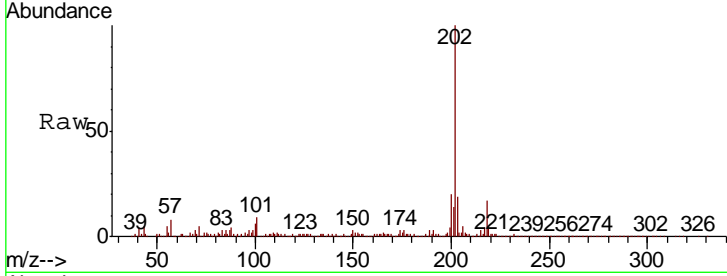
#76
 Fluoranthene
 Concen: 18.389 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
ClientSampled :
 GAJ86

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	8.6	12.8
100	6.2	6.3	9.5#

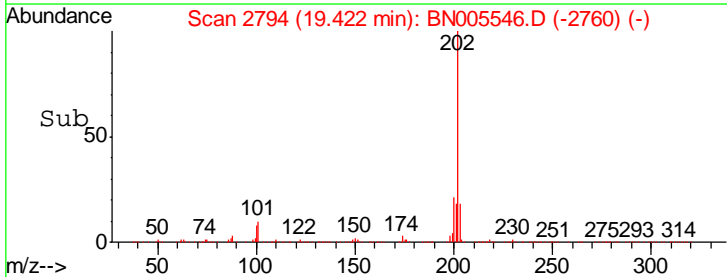
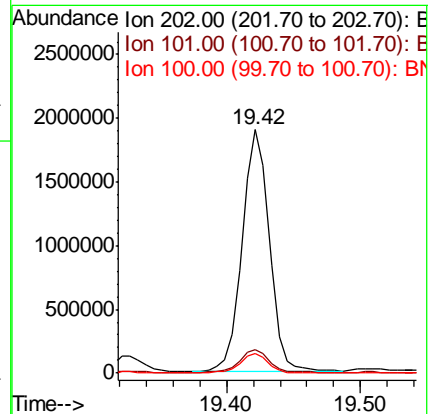
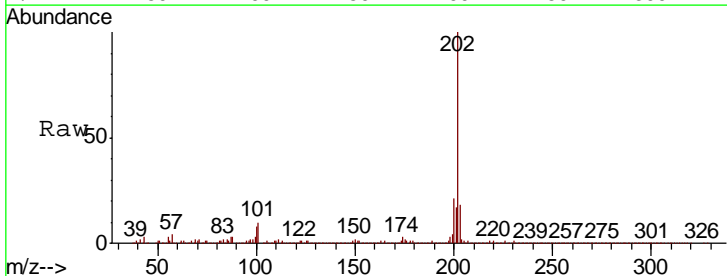
Manual Integrations
APPROVED

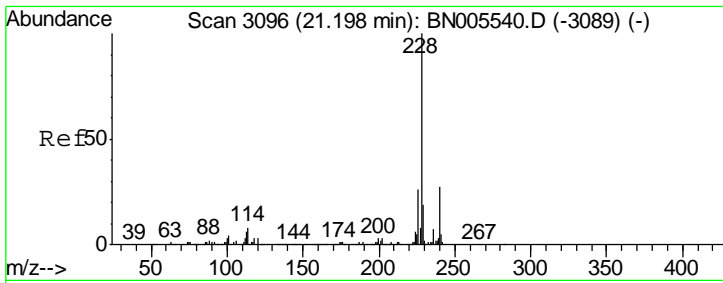
Sohil
 5/9/2019 2:35:31 PM



#79
 Pyrene
 Concen: 28.199 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	10.3	15.5#
100	8.1	7.9	11.9





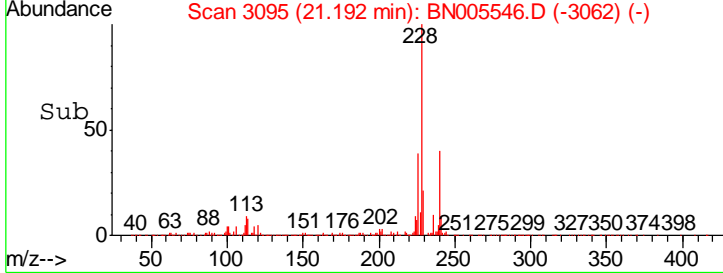
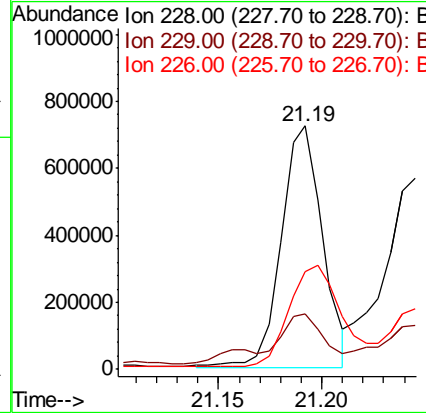
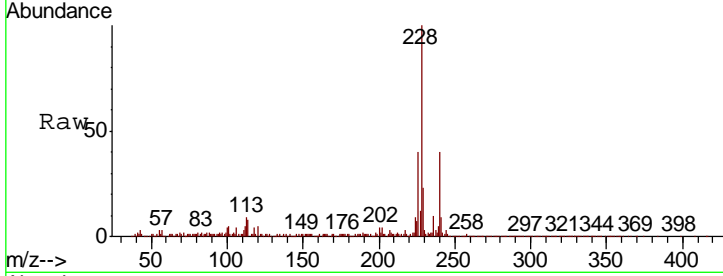
#82
 Benzo(a)anthracene
 Concen: 10.872 ng/ul m
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

Tgt Ion	Resp	Lower	Upper
228	1001726		
229	22.6	15.8	23.6
226	40.2	21.4	32.2#

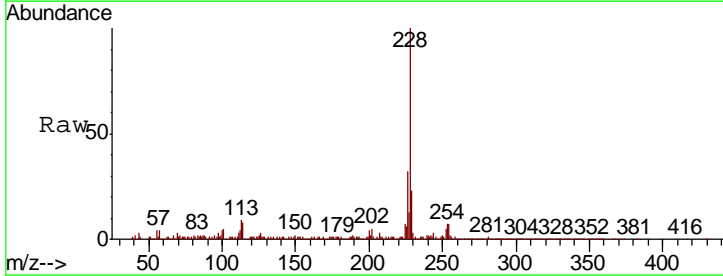
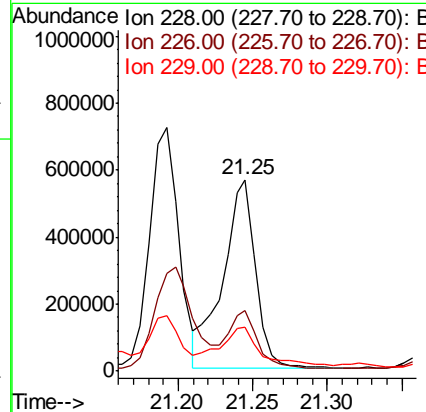
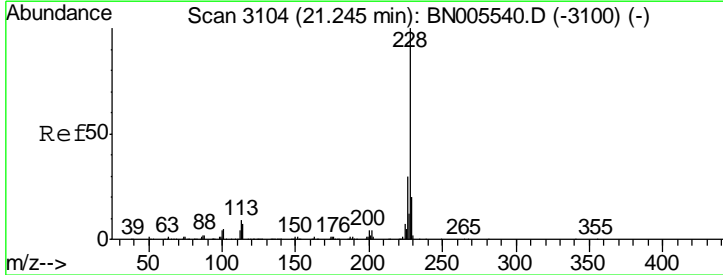
Manual Integrations
 APPROVED

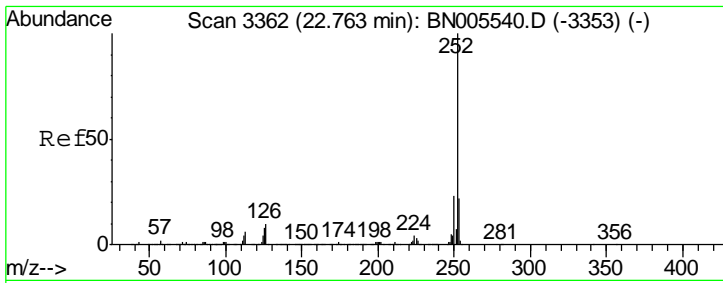
Sohil
 5/9/2019 2:35:31 PM



#84
 Chrysene
 Concen: 10.096 ng/ul
 RT: 21.25 min Scan# 3104
 Delta R.T. -0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
228	863414		
226	31.6	24.0	36.0
229	22.8	15.4	23.0





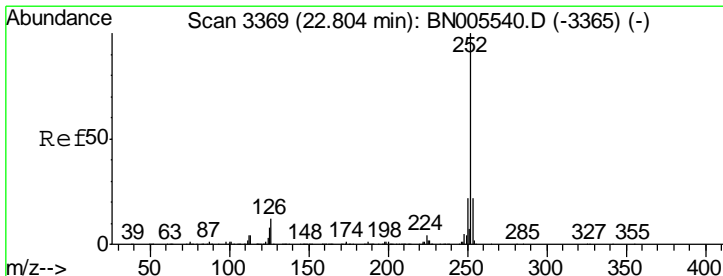
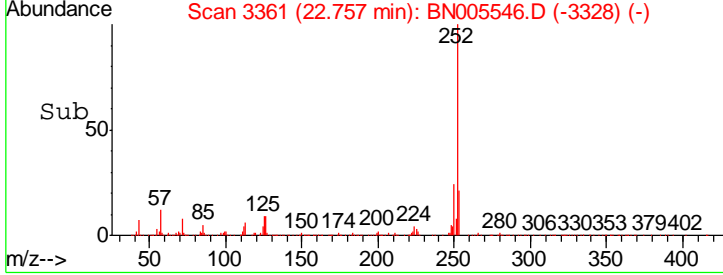
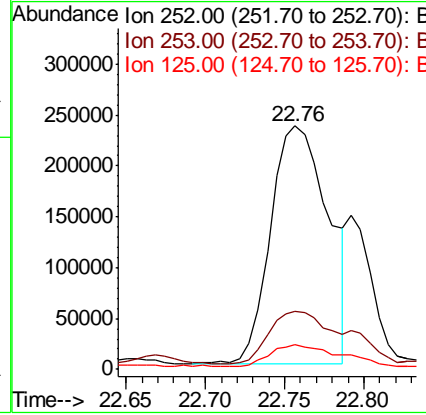
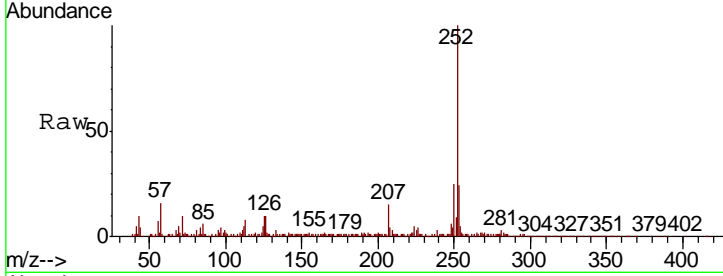
#87
 Benzo(b)fluoranthene
 Concen: 7.734 ng/ul
 RT: 22.76 min Scan# 3361
 Delta R.T. -0.01 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
ClientSampled :
 GAJ86

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	10.0	8.4	12.6

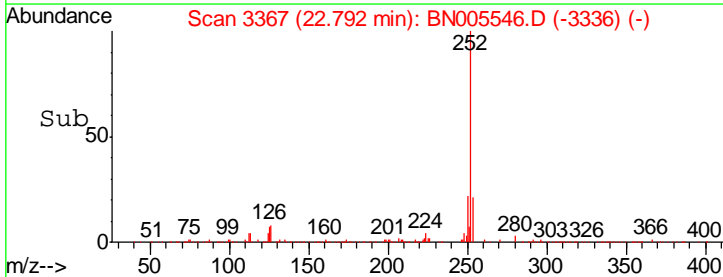
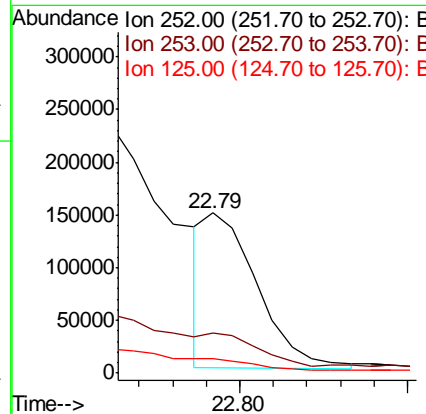
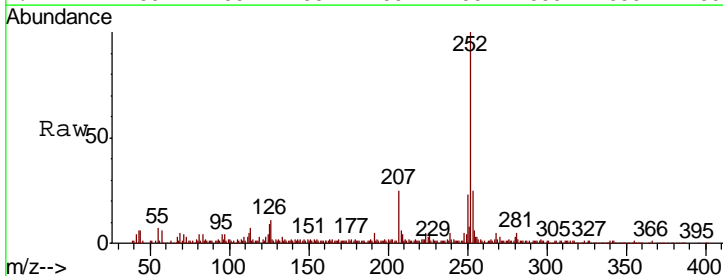
Manual Integrations
APPROVED

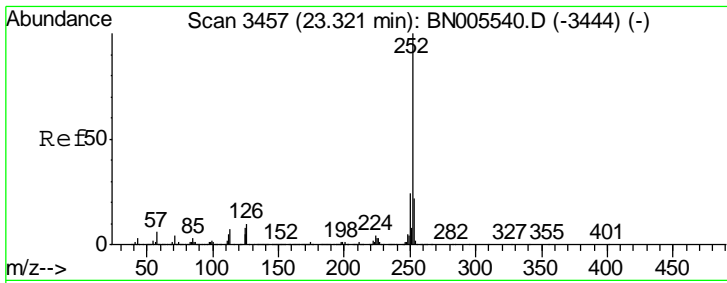
Sohil
 5/9/2019 2:35:31 PM



#88
 Benzo(k)fluoranthene
 Concen: 2.176 ng/ul m
 RT: 22.79 min Scan# 3367
 Delta R.T. -0.02 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.0
125	9.0	7.5	11.3





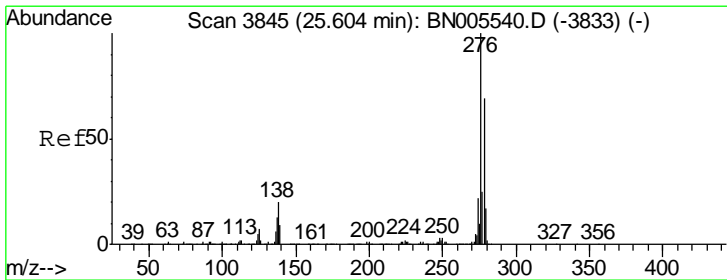
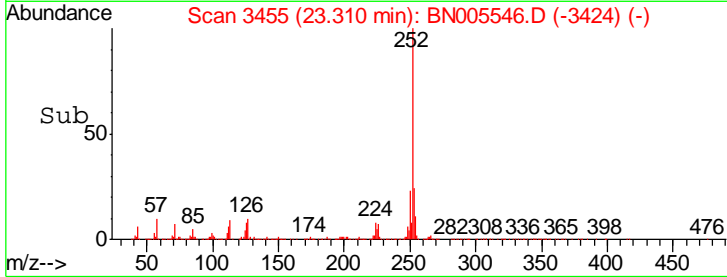
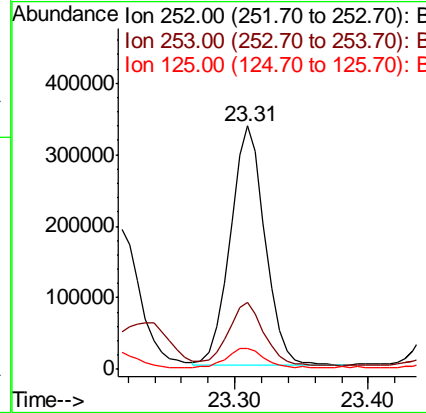
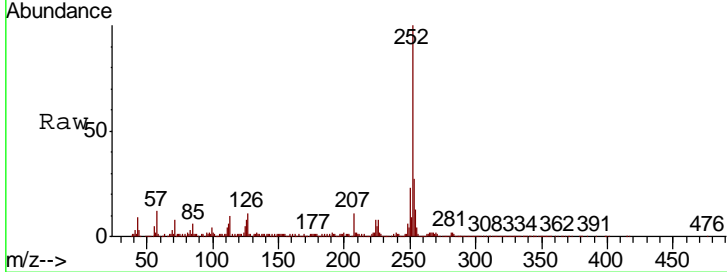
#90
 Benzo(a)pyrene
 Concen: 8.351 ng/ul
 RT: 23.31 min Scan# 3455
 Delta R.T. -0.02 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

Tgt Ion	Resp	Lower	Upper
252	100		
253	27.4	17.3	25.9#
125	8.4	8.6	13.0#

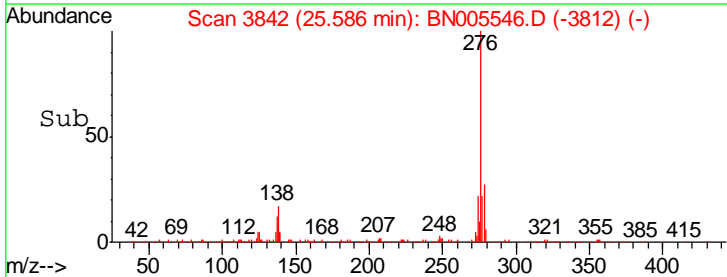
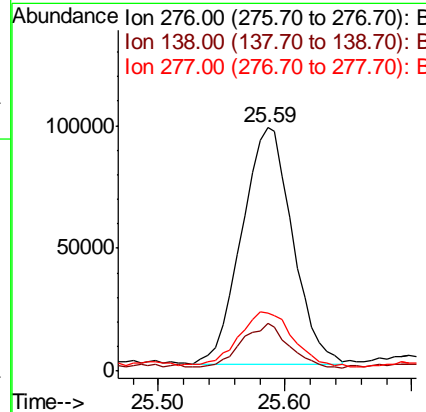
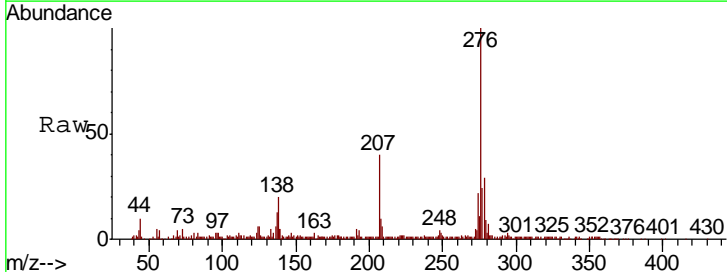
Manual Integrations
 APPROVED

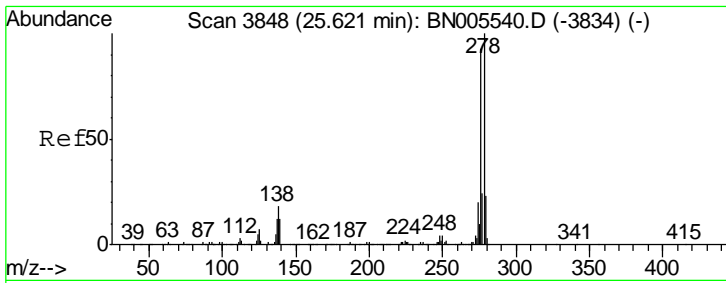
Sohil
 5/9/2019 2:35:31 PM



#91
 Indeno(1,2,3-cd)pyrene
 Concen: 3.349 ng/ul
 RT: 25.59 min Scan# 3842
 Delta R.T. -0.02 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
276	100		
138	19.6	17.9	26.9
277	23.7	19.7	29.5





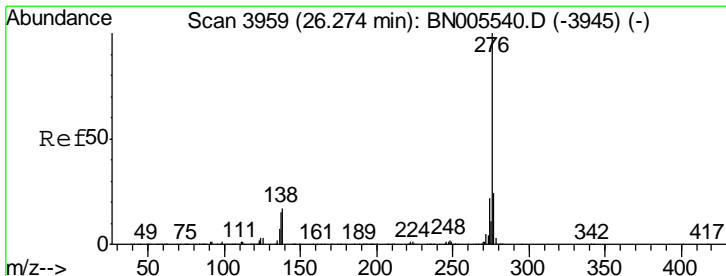
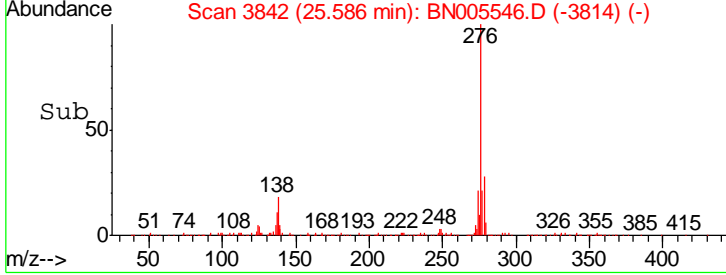
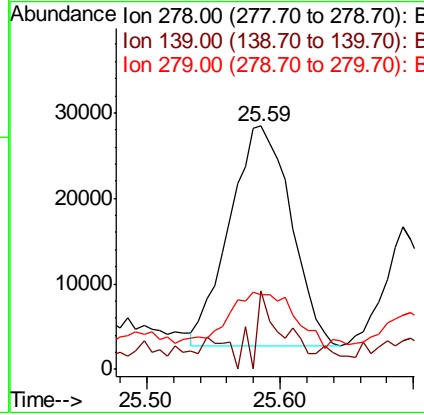
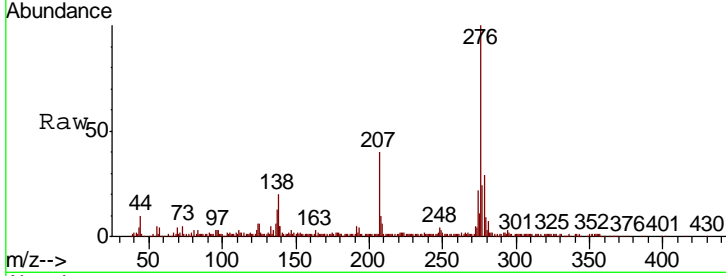
#92
 Dibenzo(a,h)anthracene
 Concen: 1.202 ng/ul
 RT: 25.59 min Scan# 3842
 Delta R.T. -0.04 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Instrument :
 BNA_N
 ClientSampled :
 GAJ86

Tgt Ion	Resp	Lower	Upper
278	81525		
139	32.4	13.1	19.7#
279	30.5	19.4	29.0#

Manual Integrations
 APPROVED

Sohil
 5/9/2019 2:35:31 PM



#93
 Benzo(g,h,i)perylene
 Concen: 4.260 ng/ul
 RT: 26.25 min Scan# 3955
 Delta R.T. -0.02 min
 Lab File: BN005546.D
 Acq: 08 May 2019 23:27

Tgt Ion	Resp	Lower	Upper
276	281512		
138	16.7	16.7	25.1#
277	24.2	18.2	27.2

