

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005542.D
 Acq On : 08 May 2019 21:08
 Operator : JU/SJ
 Sample : K2603-16ME
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAJ68ME

Manual Integrations
 APPROVED

Sohil
 5/9/2019 2:35:26 PM

Quant Time: May 09 03:14:22 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	318233	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1322174	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	883911	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1953811	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1567418	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1483580	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	27790	4.22	ng/uL	0.00
5) Phenol-d5	6.78	99	649807	26.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	400066	25.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	552460	28.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	512462	26.23	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	327189	40.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	343524	41.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	607920	32.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	920509	47.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1999775	31.17	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2471510	31.36	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	249937	24.67	ng/ul	0.00
57) Fluorene-d10	15.23	176	1756779	32.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	157734	17.95	ng/ul	0.02
70) Anthracene-d10	17.09	188	2739378	33.45	ng/ul	0.00
78) Pyrene-d10	19.40	212	2909666	36.29	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	2150889	33.17	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.41	128	22276984m	362.429	ng/ul
34) 2-Methylnaphthalene	12.05	142	18670283	414.841	ng/ul
40) 1,1'-Biphenyl	13.05	154	1925373	29.235	ng/ul
44) Dimethylphthalate	13.69	163	316262	4.947	ng/ul#
47) Acenaphthylene	13.95	152	7748057	100.042	ng/ul#
49) Acenaphthene	14.29	153	990002	18.724	ng/ul
53) Dibenzofuran	14.63	168	1004644	13.197	ng/ul
58) Fluorene	15.29	166	4817995	81.109	ng/ul
69) Phenanthrene	17.04	178	17334668m	182.175	ng/ul
71) Anthracene	17.12	178	4411128	45.507	ng/ul
74) Carbazole	17.39	167	247225	2.969	ng/ul#
76) Fluoranthene	19.06	202	4703385	44.563	ng/ul
79) Pyrene	19.43	202	6510309	64.509	ng/ul#
82) Benzo(a)anthracene	21.19	228	1996754m	20.478	ng/ul
84) Chrysene	21.25	228	1748872	19.325	ng/ul
87) Benzo(b)fluoranthene	22.76	252	899913	10.791	ng/ul
88) Benzo(k)fluoranthene	22.79	252	332926m	4.180	ng/ul
90) Benzo(a)pyrene	23.32	252	1030668	13.148	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.59	276	350280	4.042	ng/ul
92) Dibenz(a,h)anthracene	25.59	278	113291	1.540	ng/ul
93) Benzo(a,h,i)perylene	26.25	276	284778	3.974	ng/ul

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050819\
Data File : BN005542.D
Acq On : 08 May 2019 21:08
Operator : JU/SJ
Sample : K2603-16ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ68ME

Manual Integrations
APPROVED

Sohil
5/9/2019 2:35:26 PM

Quant Time: May 09 03:14:22 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)
--------------------	------	------	----------	------	-------	----------

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

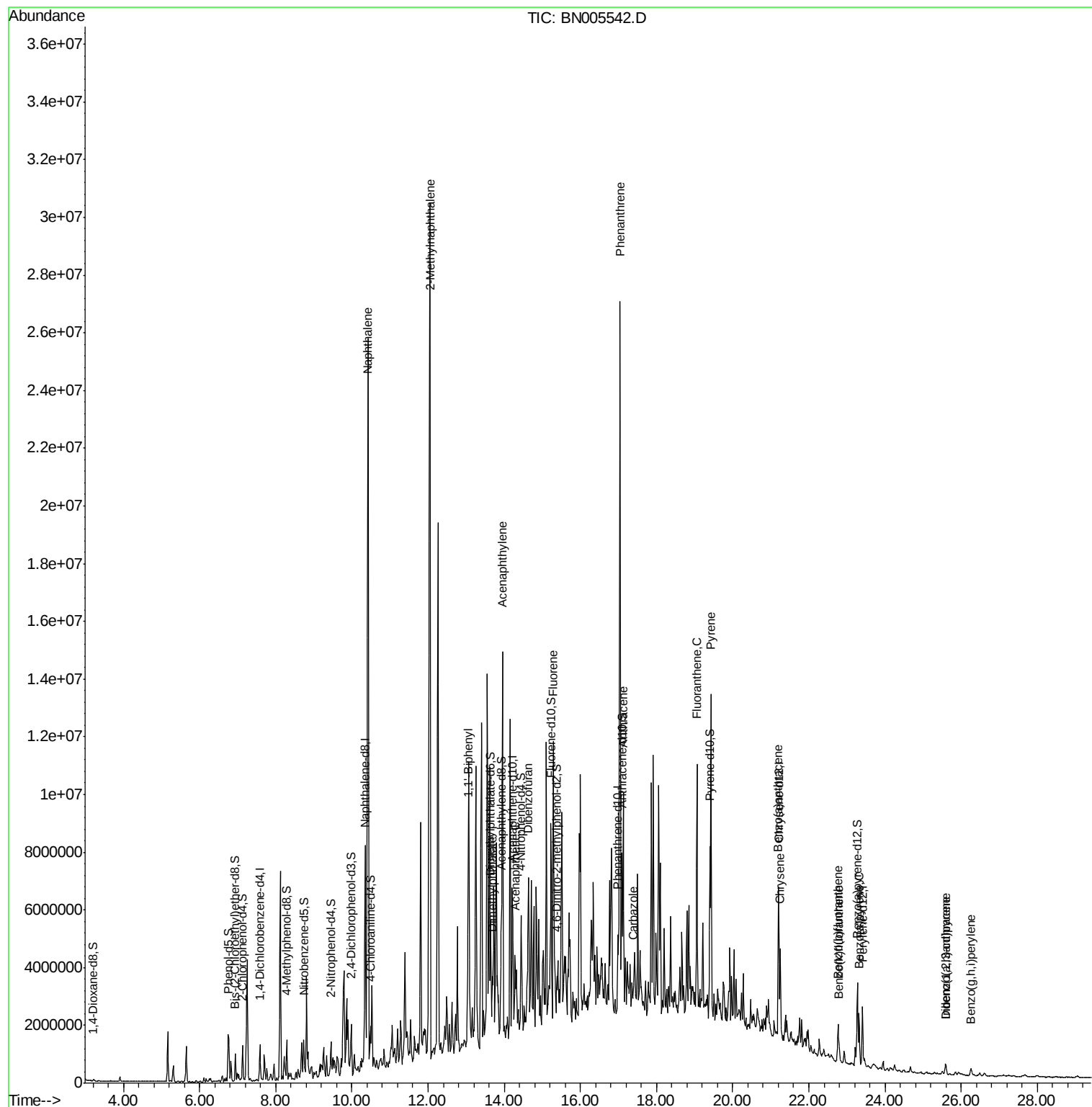
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005542.D
Acq On : 08 May 2019 21:08
Operator : JU/SJ
Sample : K2603-16ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

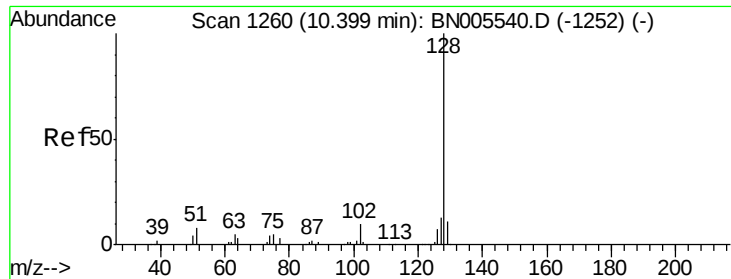
Instrument :
BNA_N
ClientSampleId :
GAJ68ME

Manual Integrations
APPROVED

Sohil
5/9/2019 2:35:26 PM

Quant Time: May 09 03:14:22 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: 362.429 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Instrument :

BNA_N

ClientSampled :

GAJ68ME

Tot Ion:128 Resp:22276984

Ion Ratio Lower Upper

128 100

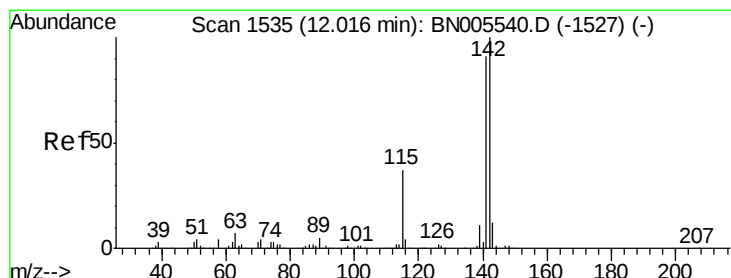
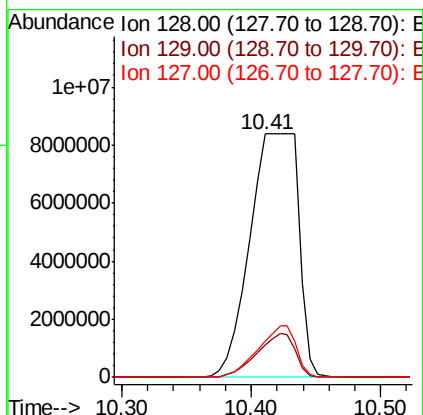
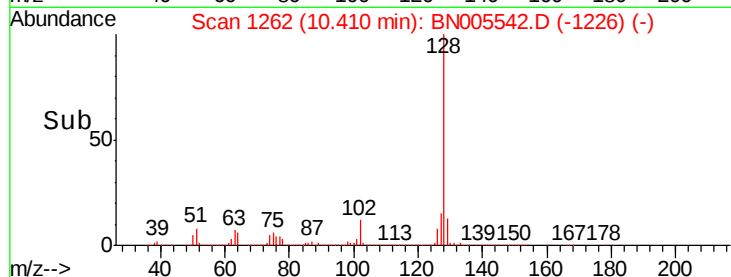
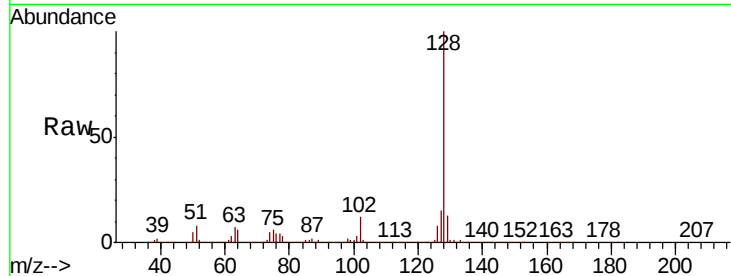
129 13.1 9.2 13.8

127 15.1 10.7 16.1

Manual Integrations
APPROVED

Sohil

5/9/2019 2:35:26 PM



#34

2-Methylnaphthalene

Concen: 414.841 ng/ul

RT: 12.05 min Scan# 1540

Delta R.T. 0.03 min

Lab File: BN005542.D

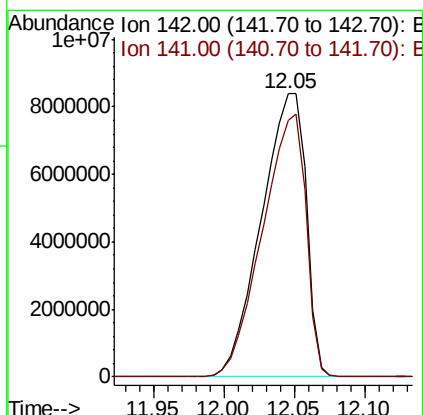
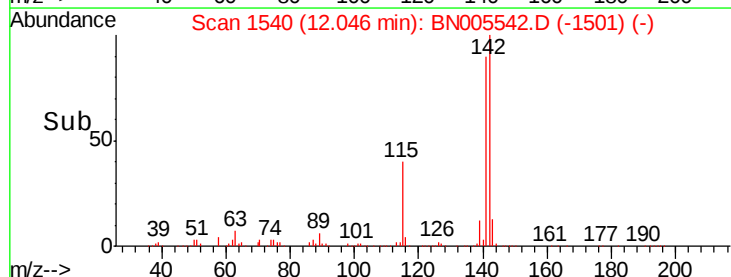
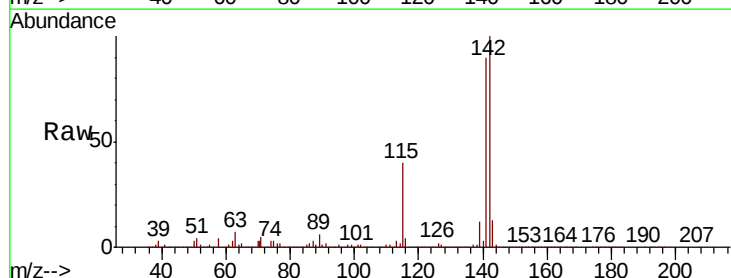
Acq: 08 May 2019 21:08

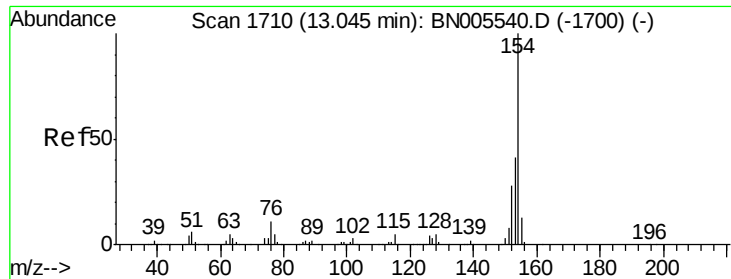
Tgt Ion:142 Resp:18670283

Ion Ratio Lower Upper

142 100

141 90.4 72.0 108.0





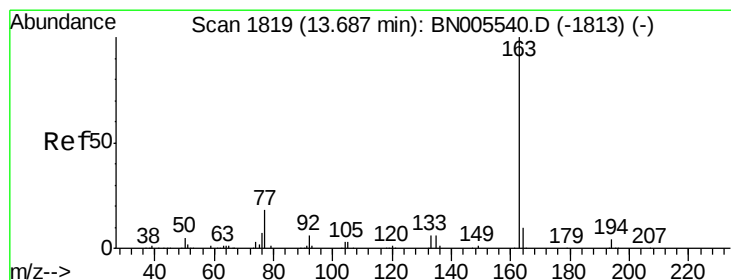
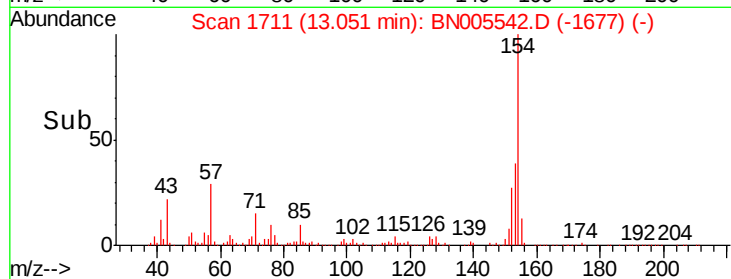
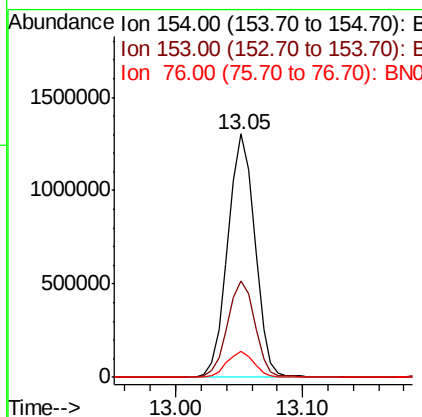
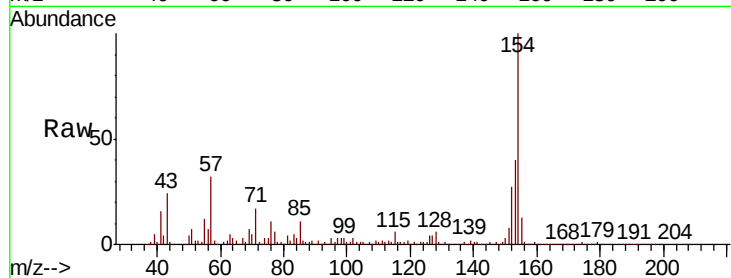
#40
 1,1'-Biphenyl
 Concen: 29.235 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BN005542.D
 Acq: 08 May 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 GAJ68ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	32.6	49.0
76	10.5	10.4	15.6

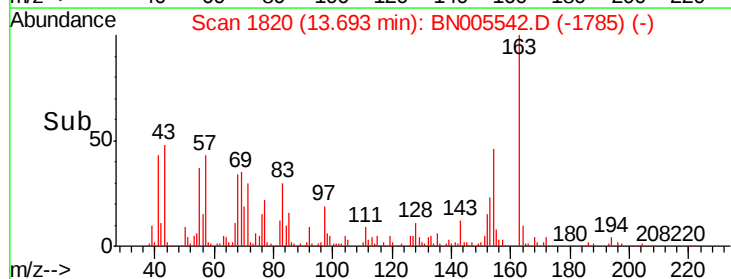
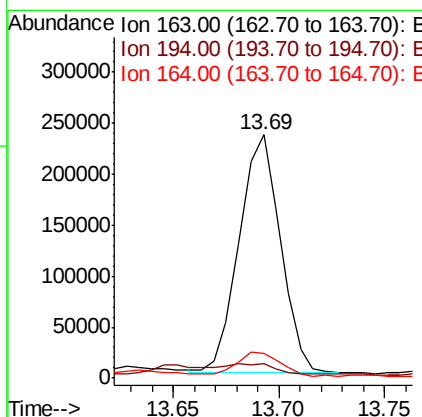
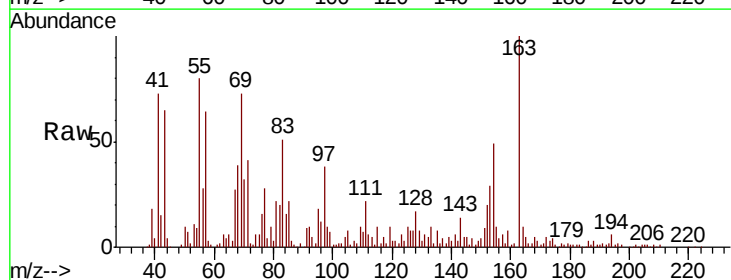
Manual Integrations
 APPROVED

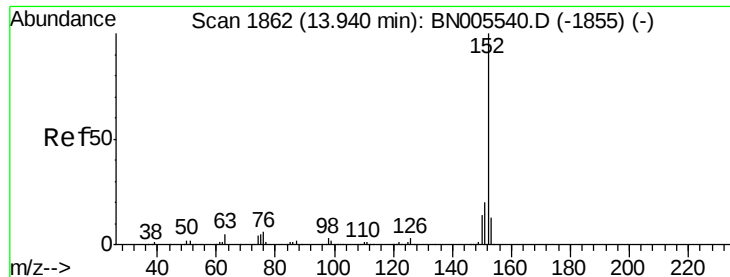
Sohil
 5/9/2019 2:35:26 PM



#44
 Dimethylphthalate
 Concen: 4.947 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BN005542.D
 Acq: 08 May 2019 21:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.4	5.0#
164	10.4	8.1	12.1





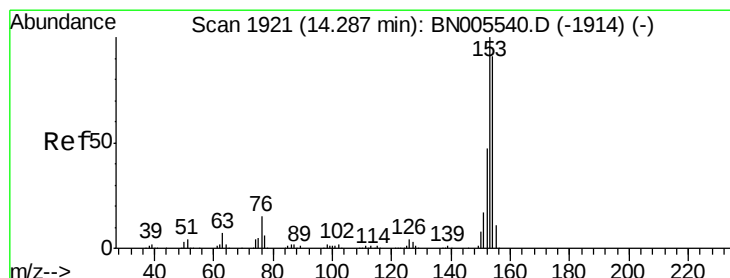
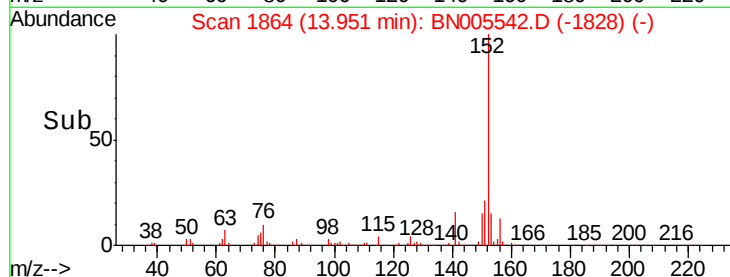
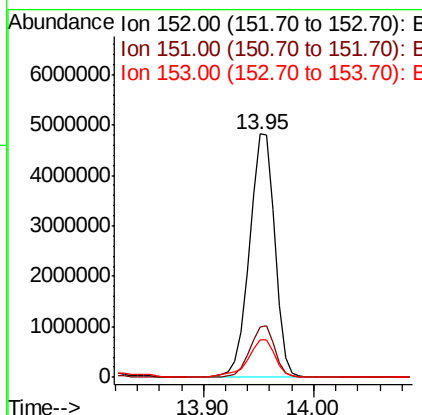
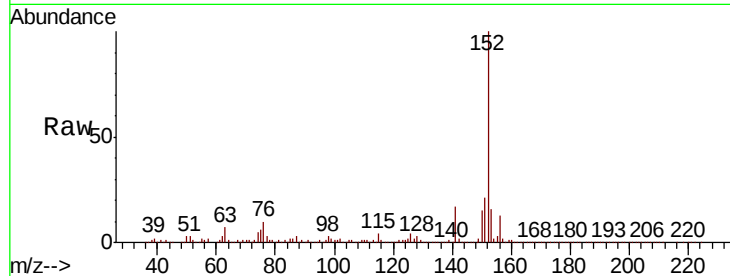
#47
Acenaphthylene
Concen: 100.042 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Instrument :
BNA_N
ClientSampleId :
GAJ68ME

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.8
153	15.6	9.8	14.8

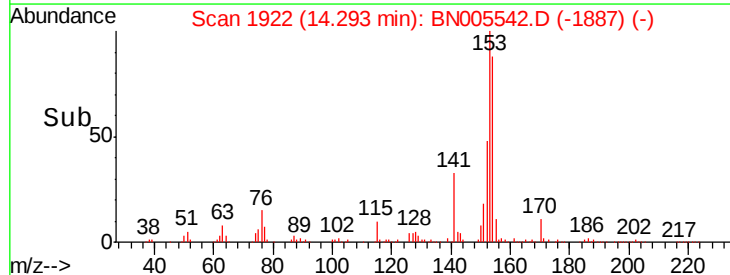
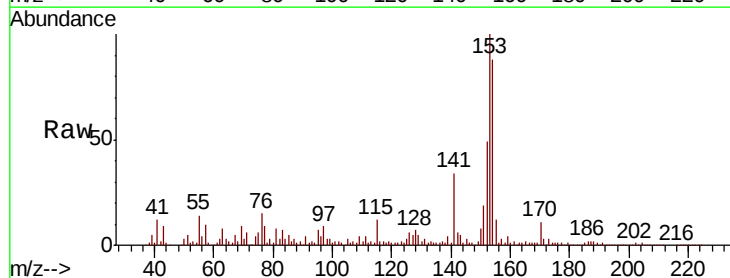
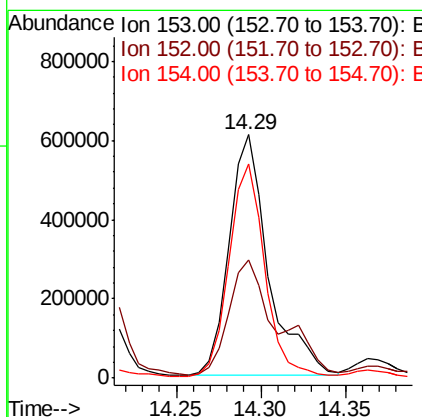
Manual Integrations
APPROVED

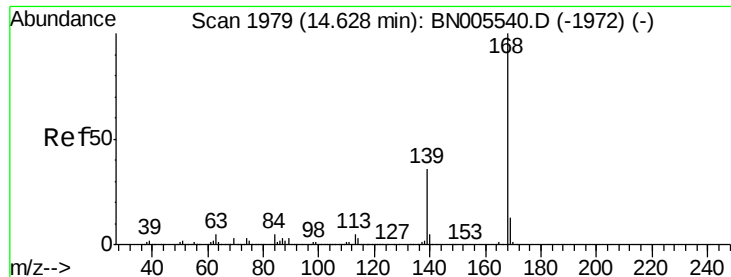
Sohil
5/9/2019 2:35:26 PM



#49
Acenaphthene
Concen: 18.724 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.4	56.0
154	87.8	71.2	106.8





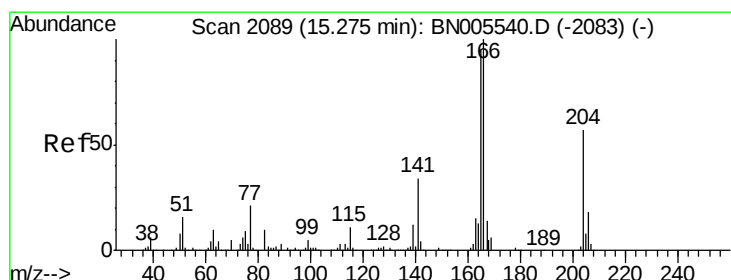
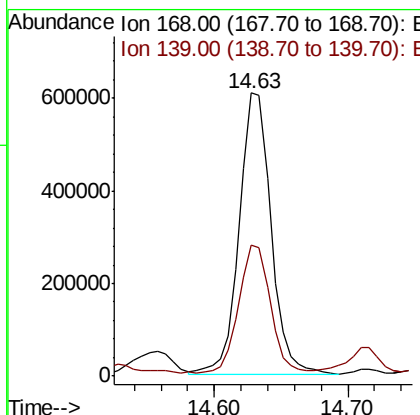
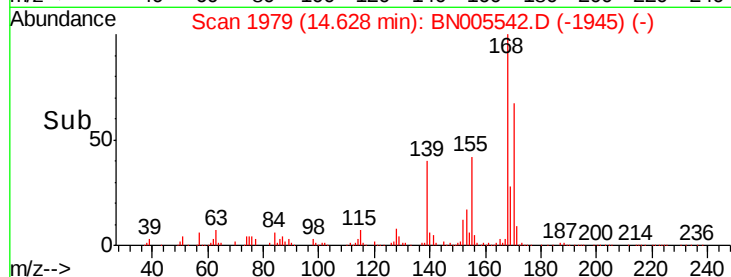
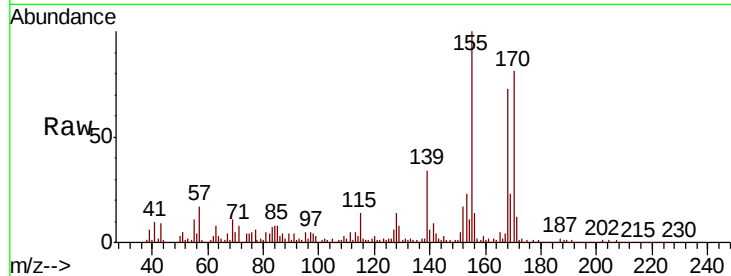
#53
Dibenzenofuran
Concen: 13.197 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Instrument :
BNA_N
ClientSampleId :
GAJ68ME

Tot Ion:168 Resp: 1004644
Ion Ratio Lower Upper
168 100
139 46.3 30.9 46.3

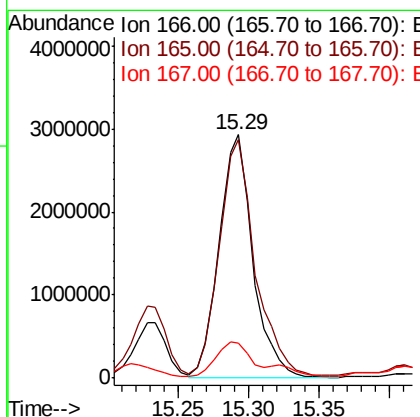
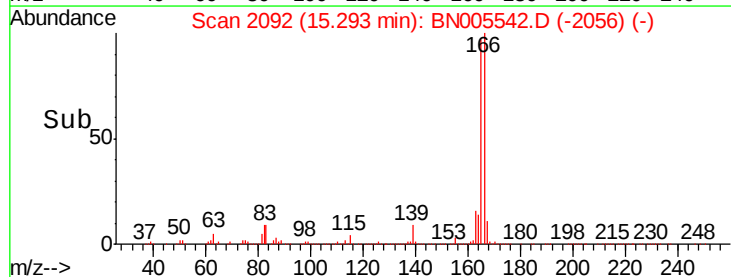
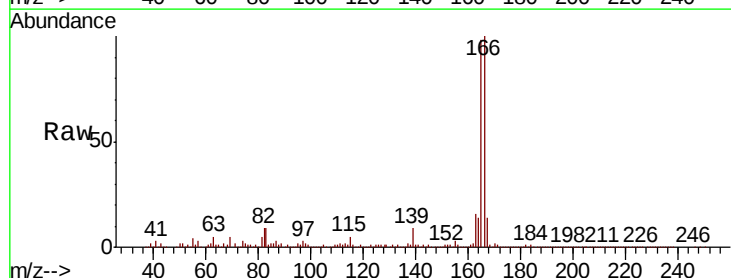
Manual Integrations
APPROVED

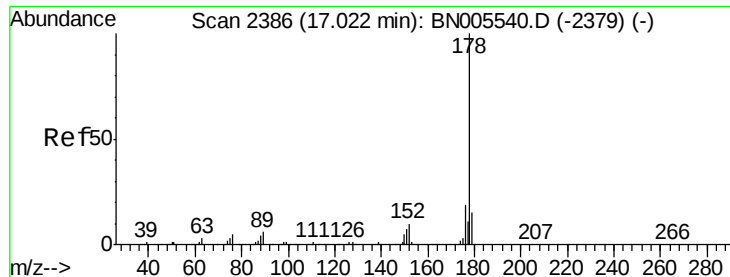
Sohil
5/9/2019 2:35:26 PM



#58
Fluorene
Concen: 81.109 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Tgt Ion:166 Resp: 4817995
Ion Ratio Lower Upper
166 100
165 98.2 80.0 120.0
167 14.5 10.7 16.1





#69

Phenanthrene

Concen: 182.175 ng/ul m

RT: 17.04 min Scan# 2389

Delta R.T. 0.02 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Instrument :

BNA_N

ClientSampled :

GAJ68ME

Tot Ion:178 Resp:17334668

Ion Ratio Lower Upper

178 100

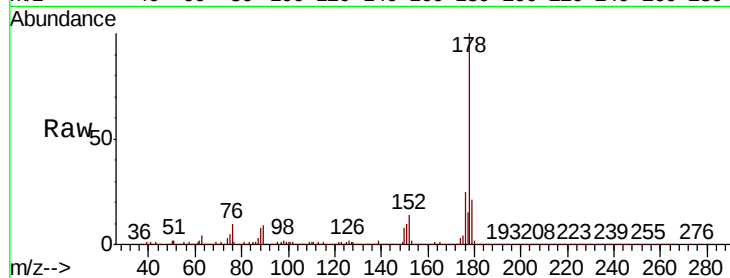
179 21.0 12.2 18.4#

176 25.1 15.1 22.7#

Manual Integrations
APPROVED

Sohil

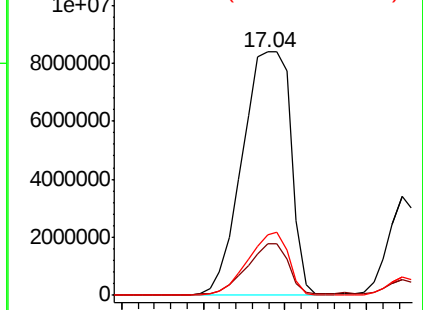
5/9/2019 2:35:26 PM



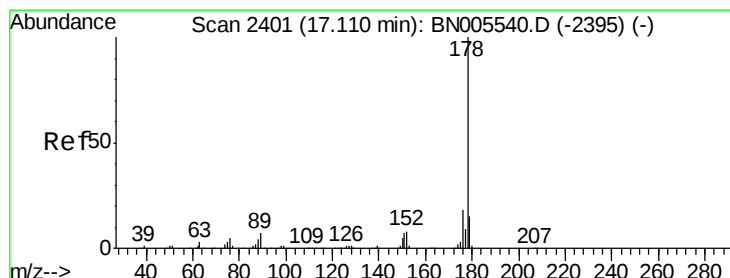
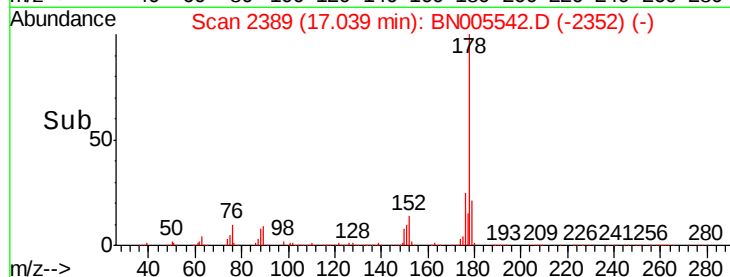
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 16.95 17.00 17.05 17.10



#71

Anthracene

Concen: 45.507 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

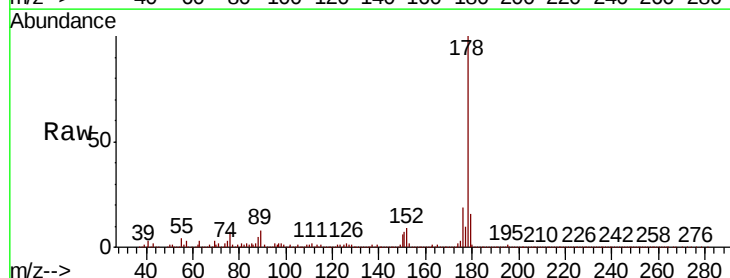
Tgt Ion:178 Resp: 4411128

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

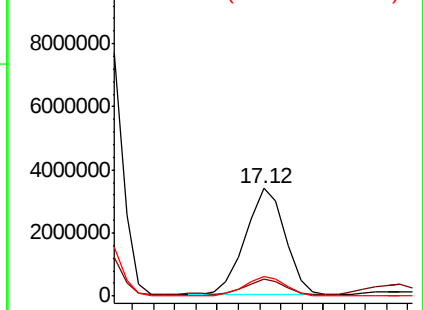
176 18.7 15.1 22.7



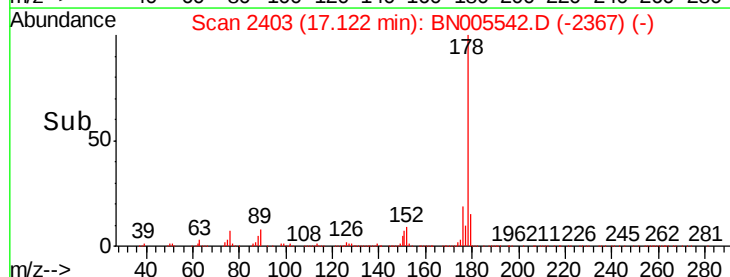
Abundance Ion 178.00 (177.70 to 178.70): E

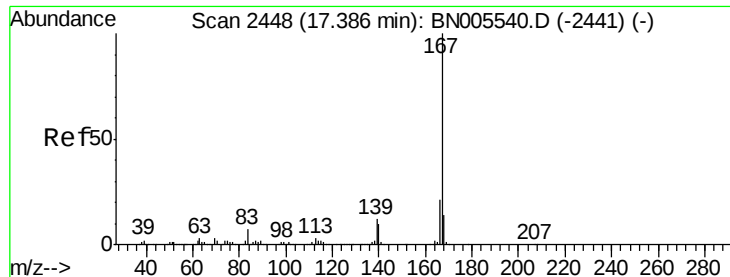
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.10 17.15





#74

Carbazole

Concen: 2.969 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Instrument :

BNA_N

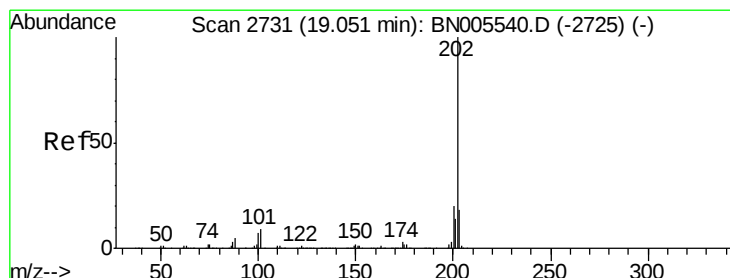
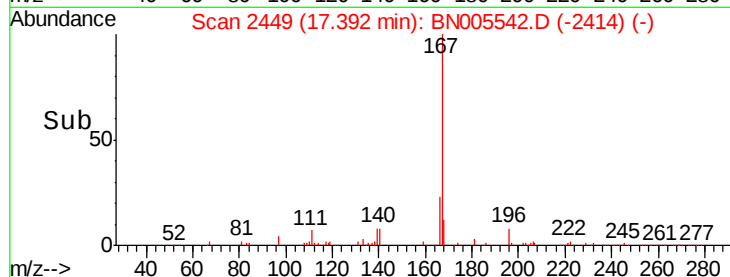
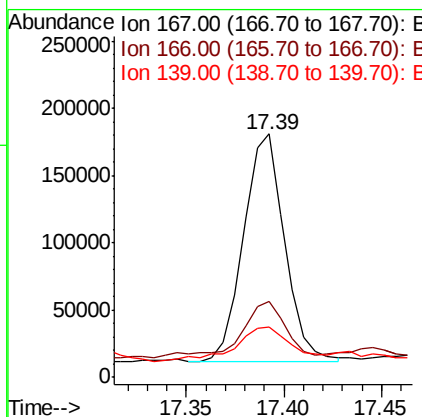
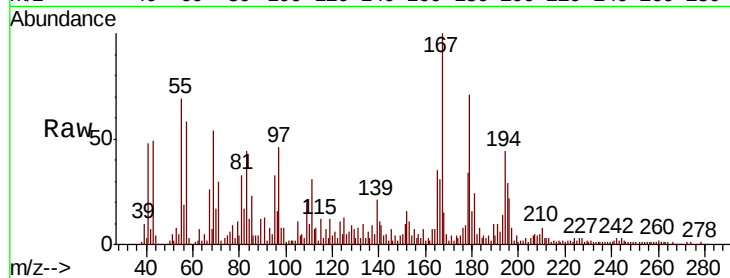
ClientSampleId :

GAJ68ME

Tot Ion:	167	Resp:	247225
Ion Ratio	Lower	Upper	
167	100		
166	31.1	17.2	25.8#
139	20.8	10.6	16.0#

Manual Integrations
APPROVED

Sohil
5/9/2019 2:35:26 PM



#76

Fluoranthene

Concen: 44.563 ng/ul

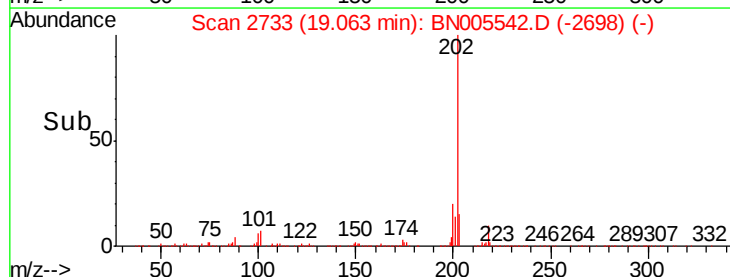
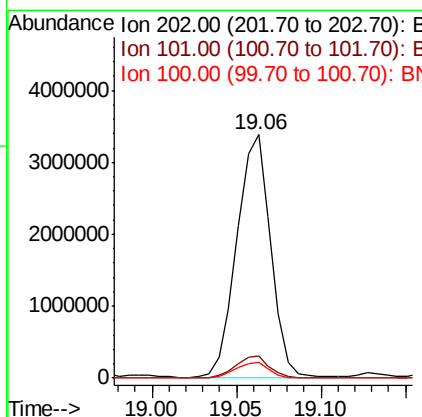
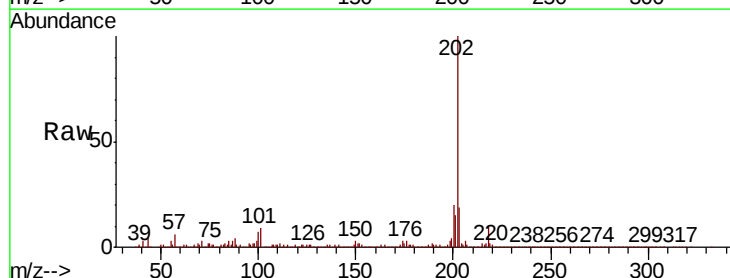
RT: 19.06 min Scan# 2733

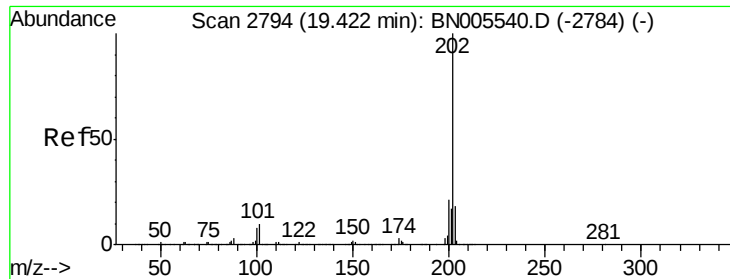
Delta R.T. 0.01 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Tgt Ion:	202	Resp:	4703385
Ion Ratio	Lower	Upper	
202	100		
101	8.9	8.6	12.8
100	6.6	6.3	9.5





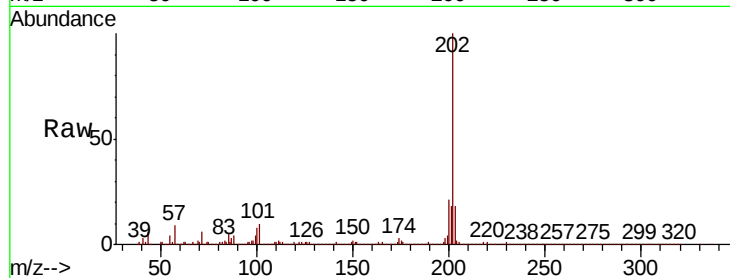
#79
Pvrene
Concen: 64.509 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Instrument :
BNA_N
ClientSampled :
GAJ68ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	10.3	15.5#
100	8.4	7.9	11.9

Manual Integrations
APPROVED

Sohil
5/9/2019 2:35:26 PM

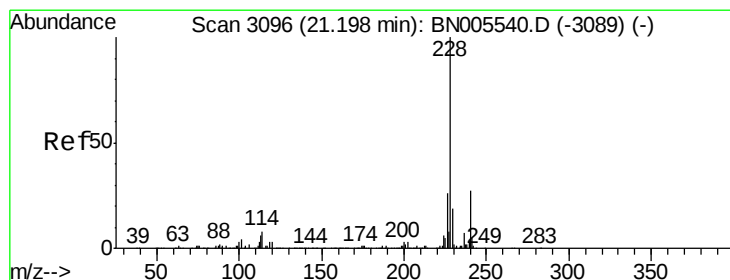
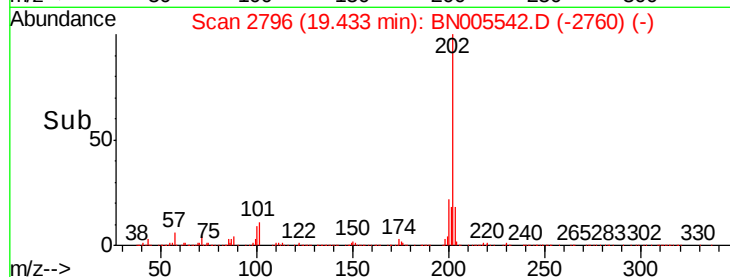
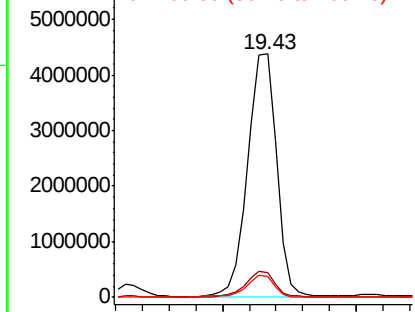


Abundance

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



#82
Benzo(a)anthracene
Concen: 20.478 ng/ul m
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

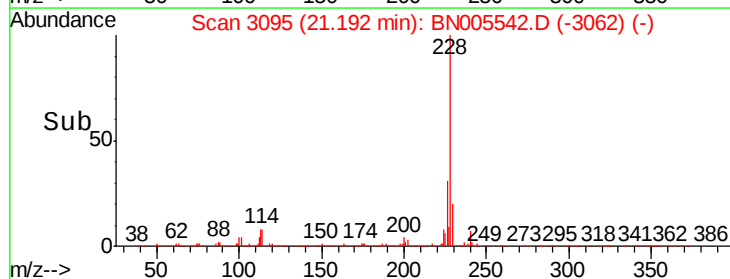
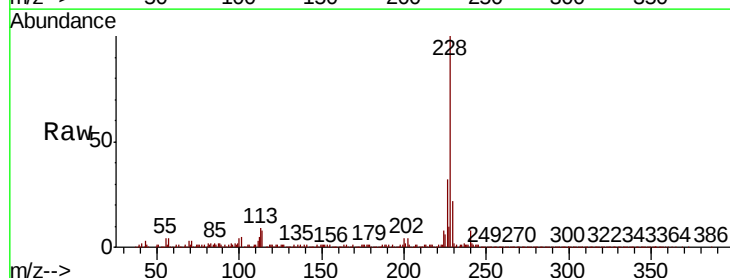
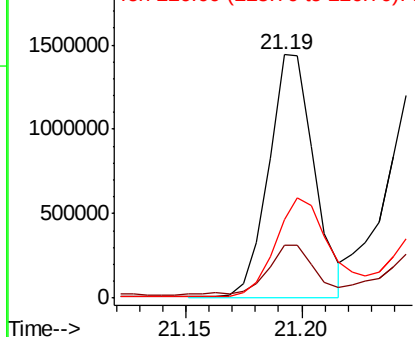
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.8	23.6
226	32.3	21.4	32.2#

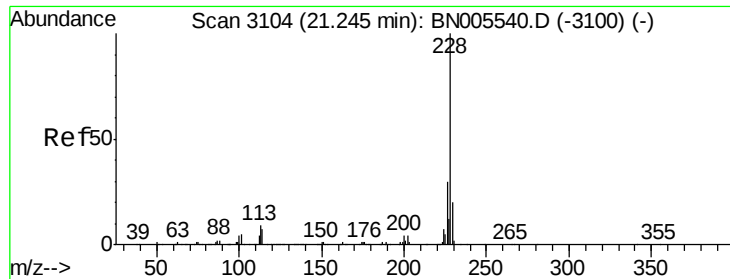
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 19.325 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Instrument :

BNA_N

ClientSampleId :

GAJ68ME

Tot Ion:228 Resp: 1748872

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

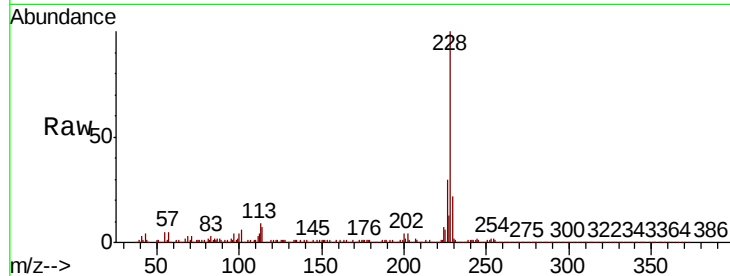
229 21.5 15.4 23.0

Manual Integrations

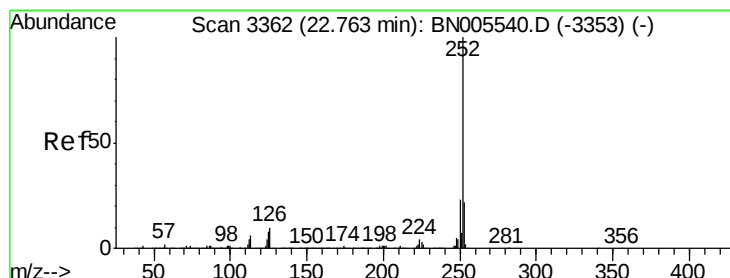
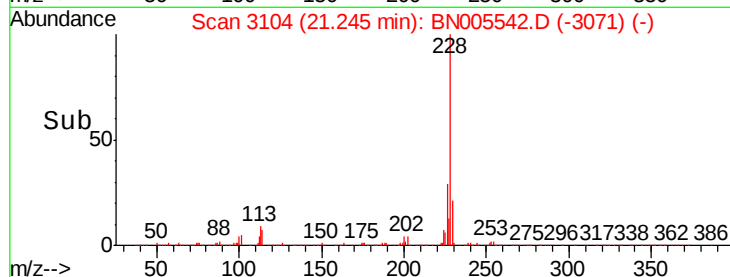
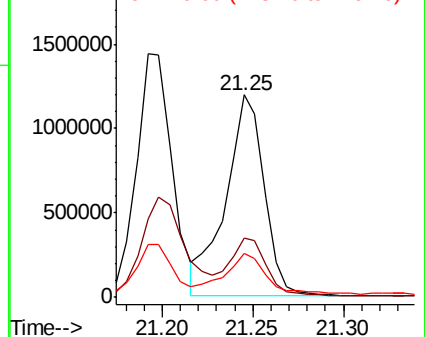
APPROVED

Sohil

5/9/2019 2:35:26 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: 10.791 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

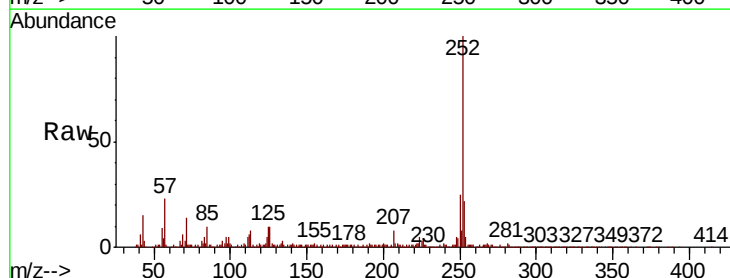
Tgt Ion:252 Resp: 899913

Ion Ratio Lower Upper

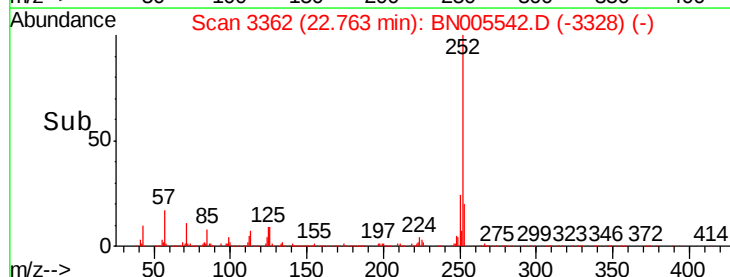
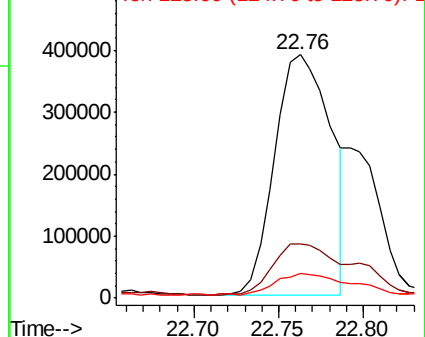
252 100

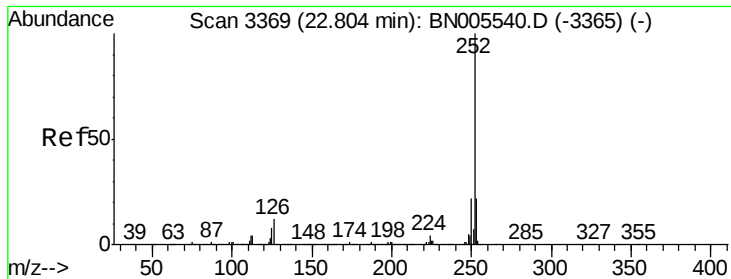
253 22.4 17.7 26.5

125 10.4 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





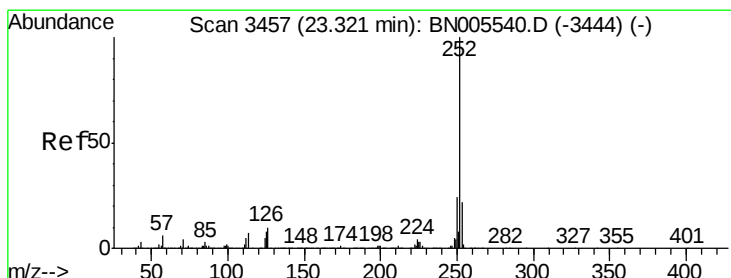
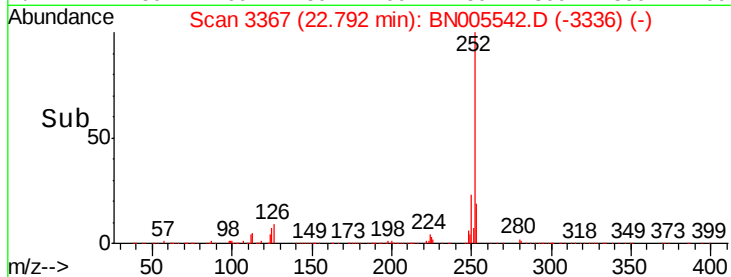
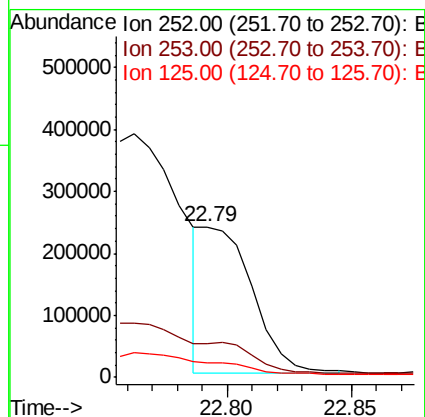
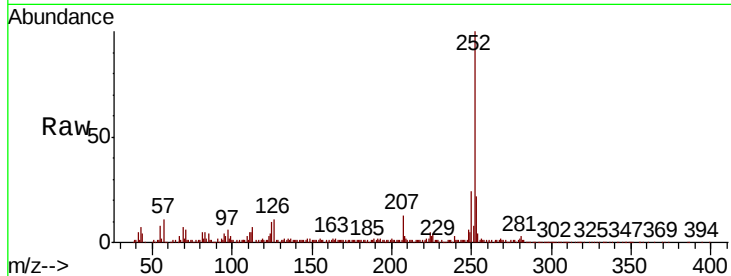
#88
Benzo(k)fluoranthene
Concen: 4.180 ng/ul m
RT: 22.79 min Scan# 3367
Delta R.T. -0.02 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Instrument :
BNA_N
ClientSampleId :
GAJ68ME

Tot Ion:	252	Resp:	332926
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	9.9	7.5	11.3

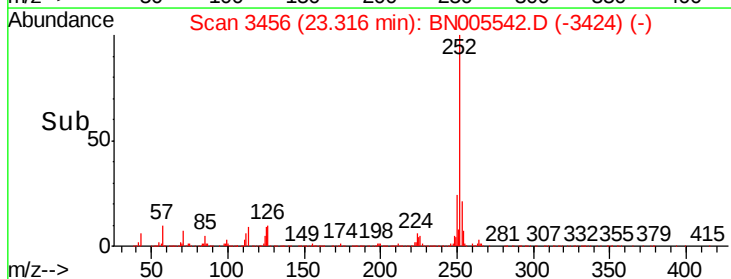
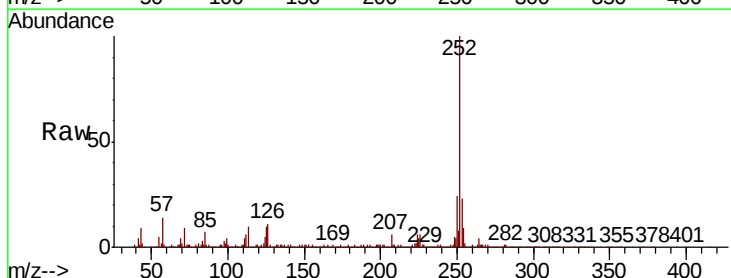
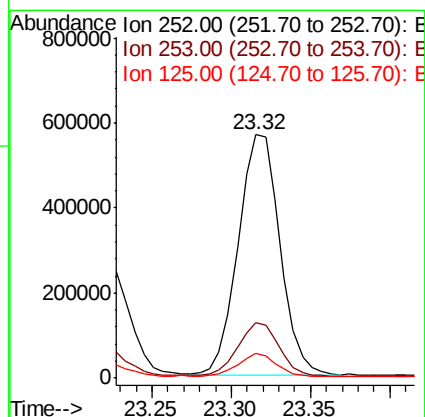
Manual Integrations
APPROVED

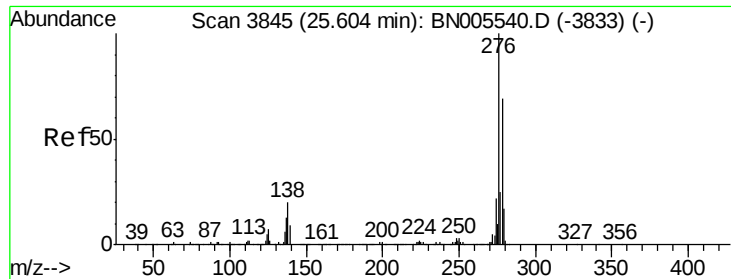
Sohil
5/9/2019 2:35:26 PM



#90
Benzo(a)pyrene
Concen: 13.148 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005542.D
Acq: 08 May 2019 21:08

Tgt Ion:	252	Resp:	1030668
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	10.0	8.6	13.0





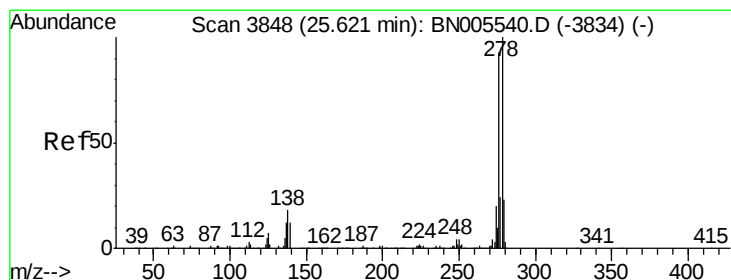
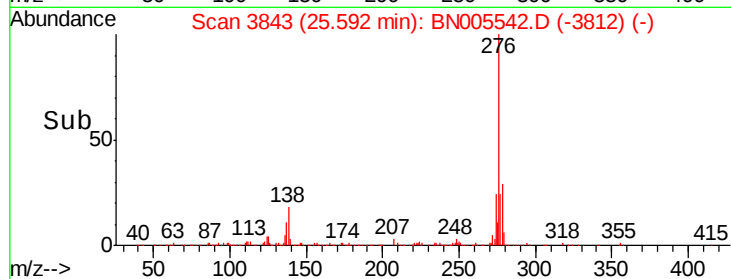
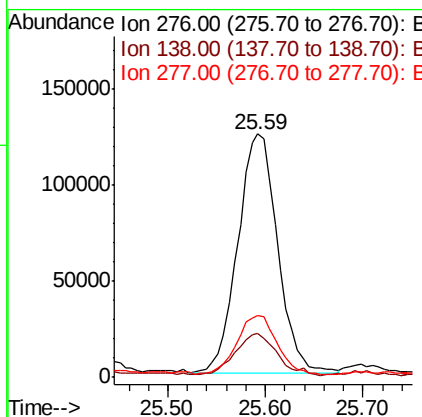
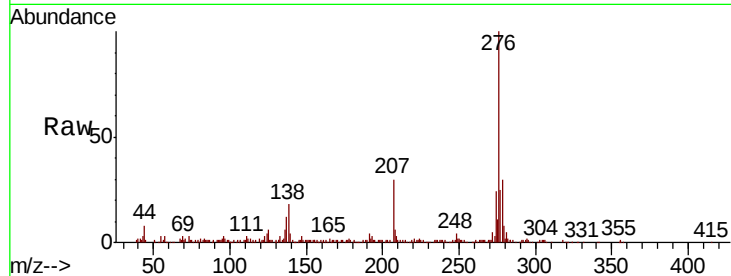
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.042 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.02 min
 Lab File: BN005542.D
 Acq: 08 May 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 GAJ68ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.9	26.9
277	25.2	19.7	29.5

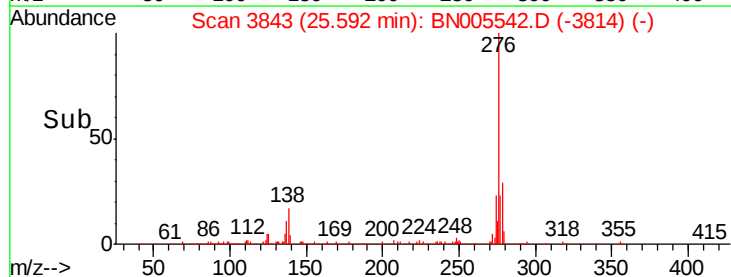
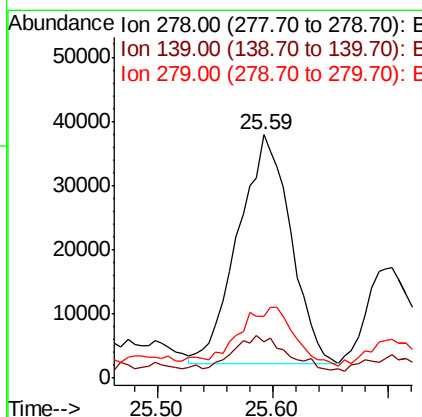
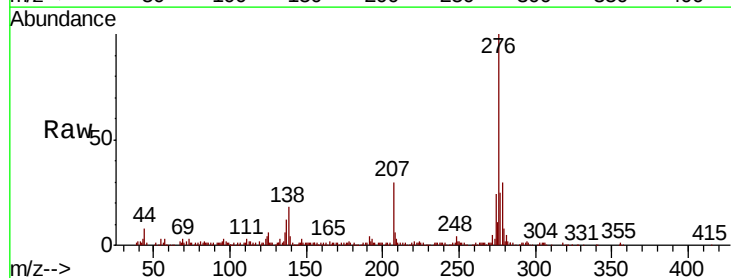
Manual Integrations
 APPROVED

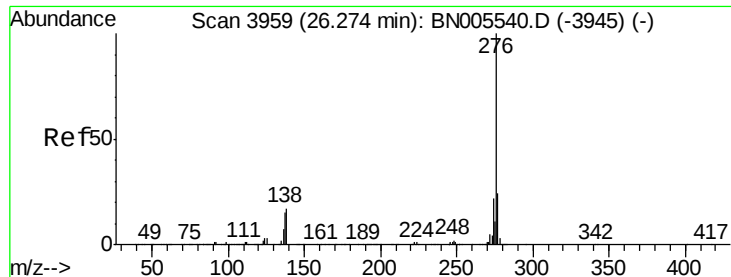
Sohil
 5/9/2019 2:35:26 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.540 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.03 min
 Lab File: BN005542.D
 Acq: 08 May 2019 21:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.1	19.7
279	25.3	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 3.974 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.02 min

Lab File: BN005542.D

Acq: 08 May 2019 21:08

Instrument :

BNA_N

ClientSampleId :

GAJ68ME

Tot Ion:	276	Resp:	284778
Ion Ratio	Lower	Upper	
276	100		
138	18.7	16.7	25.1
277	21.8	18.2	27.2

Manual Integrations
APPROVED

Sohil
5/9/2019 2:35:26 PM

