

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
 Data File : BN005308.D
 Acq On : 26 Apr 2019 07:37
 Operator : JU/SJ
 Sample : K2481-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHX0

Manual Integrations
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Sohil
 4/26/2019 6:22:06 PM

Quant Time: Apr 26 09:16:26 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	7.60	152	446491	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	1569449m	20.00	ng/ul	0.05
35) Acenaphthene-d10	14.25	164	1508452m	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.00	188	2736520m	20.00	ng/ul	0.01
77) Chrysene-d12	21.23	240	2475403	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2711689	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	17217	1.86	ng/uL	0.00
5) Phenol-d5	6.78	99	319714	9.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	270093	12.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	283295	10.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	94015	3.43	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	248601	25.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	202210	20.65	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	261861	11.67	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	99638m	4.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	1299641	11.87	ng/ul	0.04
46) Acenaphthylene-d8	13.96	160	1550605	11.53	ng/ul	0.04
51) 4-Nitrophenol-d4	14.46	143	157019m	9.08	ng/ul	0.02
57) Fluorene-d10	15.25	176	1024009m	11.14	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.43	200	38889m	3.16	ng/ul	0.08
70) Anthracene-d10	17.12	188	1768943	15.42	ng/ul	0.04
78) Pyrene-d10	19.42	212	2120455	16.74	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.29	264	1848444	15.60	ng/ul	-0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.42	128	73962341m	1013.723	ng/ul	
34) 2-Methylnaphthalene	12.05	142	69075170m	1292.986	ng/ul	
40) 1,1'-Biphenyl	13.07	154	16477185	146.603	ng/ul#	89
44) Dimethylphthalate	13.73	163	198519m	1.819	ng/ul	
47) Acenaphthylene	13.97	152	31800897m	240.605	ng/ul	
49) Acenaphthene	14.32	153	7543877	83.606	ng/ul	98
53) Dibenzofuran	14.65	168	9446120	72.711	ng/ul	95
58) Fluorene	15.31	166	26609125m	262.488	ng/ul	
69) Phenanthrene	17.04	178	45321446m	340.065	ng/ul	
71) Anthracene	17.15	178	19484512m	143.517	ng/ul	
74) Carbazole	17.40	167	1112516m	9.539	ng/ul	
76) Fluoranthene	19.07	202	20523186m	138.834	ng/ul	
79) Pyrene	19.44	202	25804893m	161.905	ng/ul	
82) Benzo(a)anthracene	21.21	228	16447783m	106.807	ng/ul	
84) Chrysene	21.26	228	15574837	108.974	ng/ul#	89
87) Benzo(b)fluoranthene	22.78	252	9454294	62.023	ng/ul	99
88) Benzo(k)fluoranthene	22.81	252	2838321m	19.497	ng/ul	
90) Benzo(a)pyrene	23.34	252	10656041	74.373	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.60	276	3321909	20.970	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.60	278	1292494	9.614	ng/ul	95
93) Benzo(g,h,i)perylene	26.27	276	2825542	21.572	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

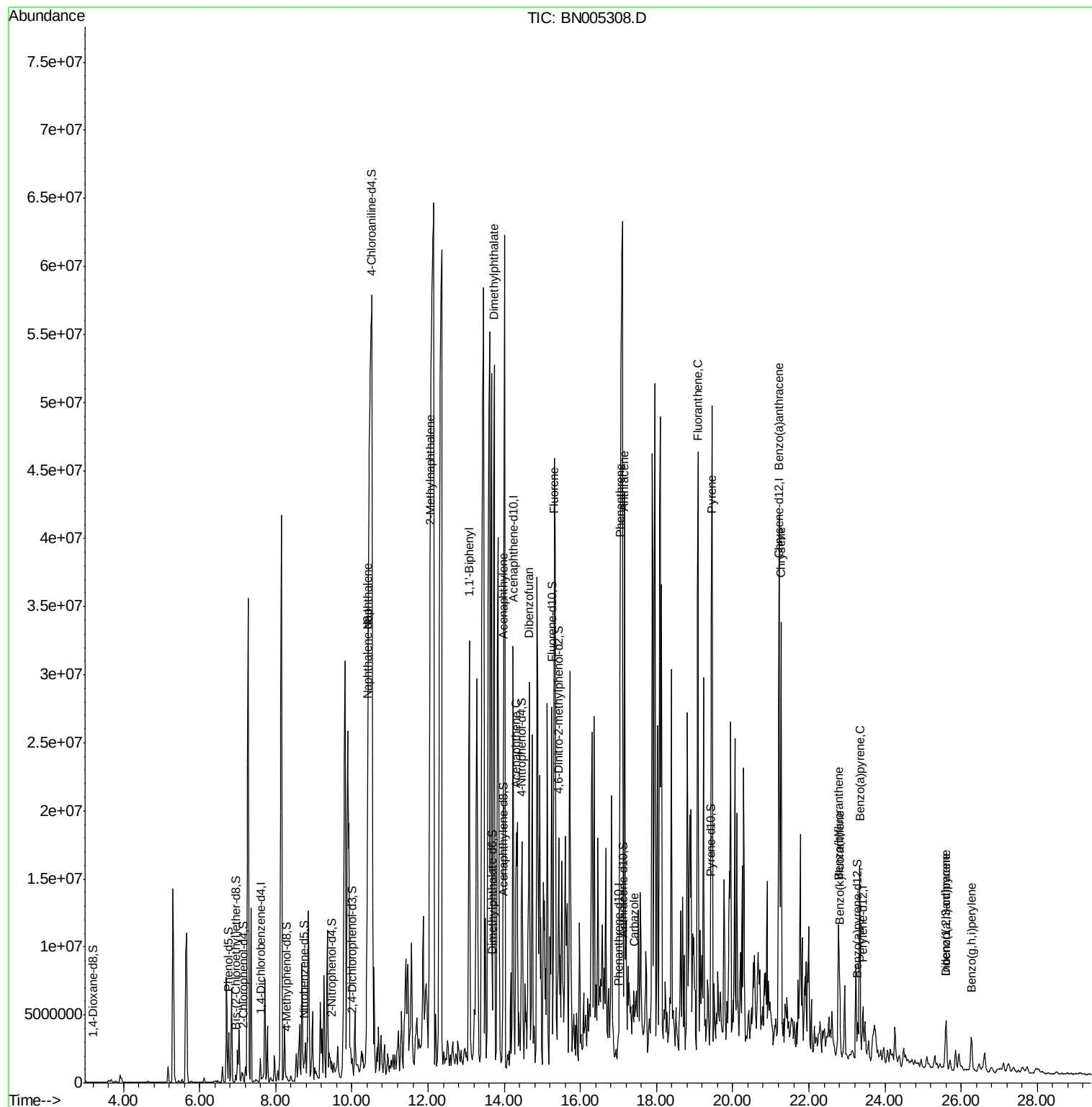
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
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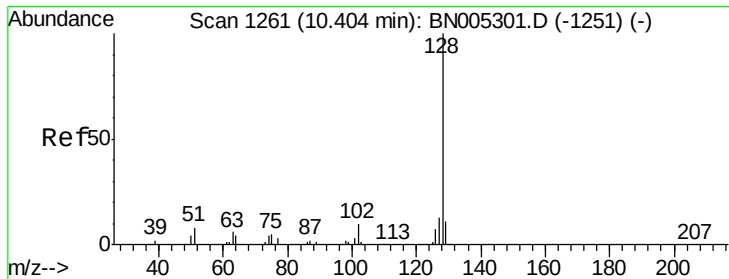
Instrument :
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#28

Naphthalene

Concen: 1013.723 ng/ul m

RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

GAHX0

Tgt Ion:128 Resp:73962341

Ion Ratio Lower Upper

128 100

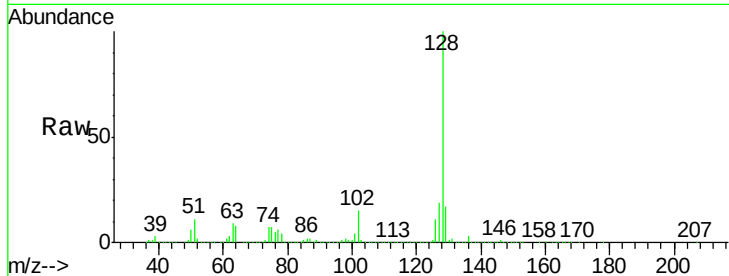
129 16.9 9.2 13.8#

127 19.2 10.7 16.1#

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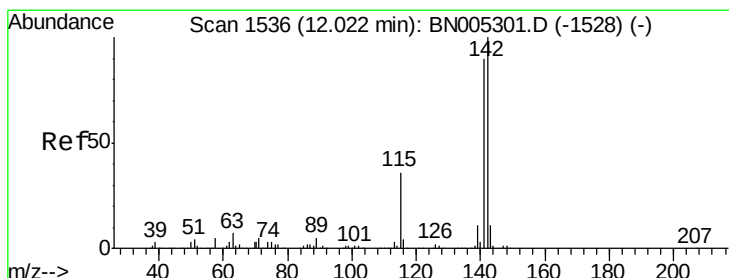
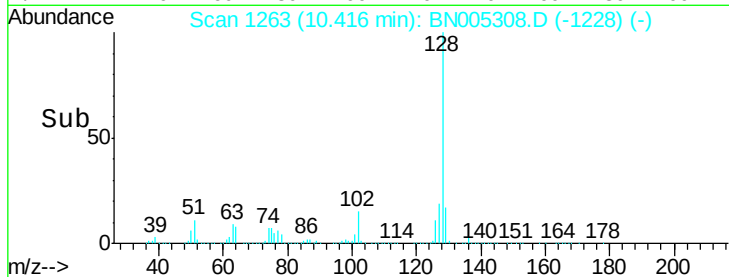
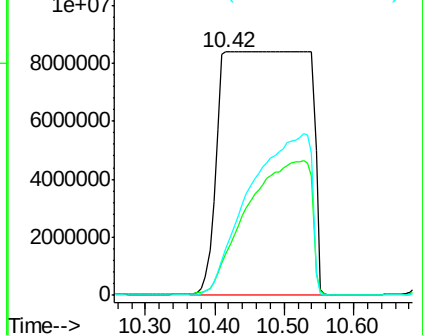
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1292.986 ng/ul m

RT: 12.05 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BN005308.D

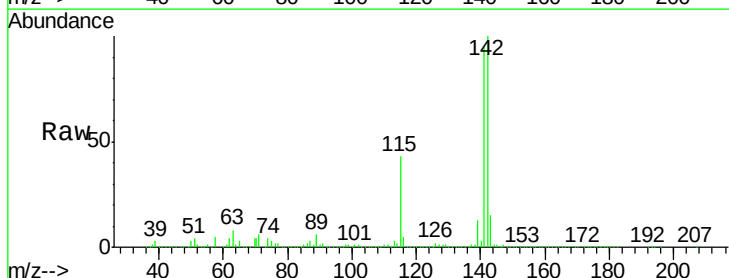
Acq: 26 Apr 2019 07:37

Tgt Ion:142 Resp:69075170

Ion Ratio Lower Upper

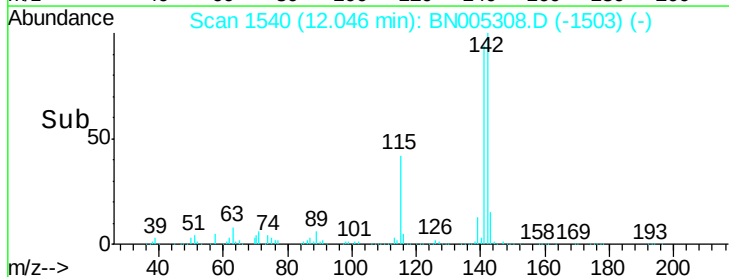
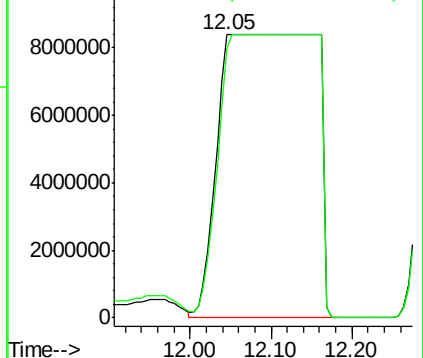
142 100

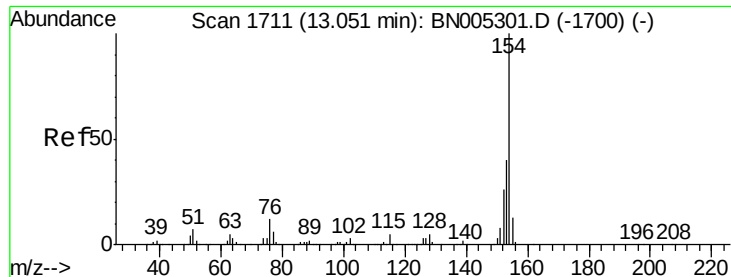
141 95.1 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 146.603 ng/ul

RT: 13.07 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

GAHX0

Tgt Ion:154 Resp:16477185

Ion Ratio Lower Upper

154 100

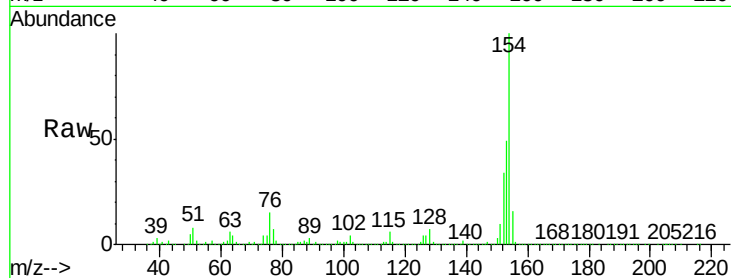
153 49.3 32.6 49.0#

76 14.6 10.4 15.6

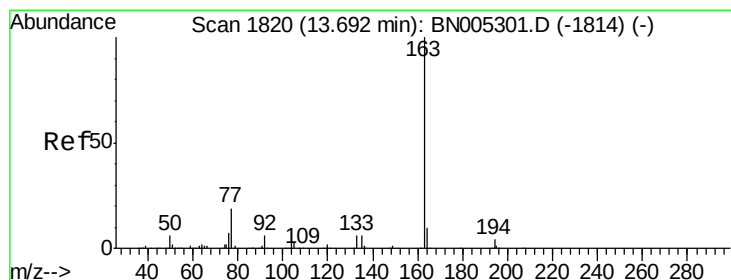
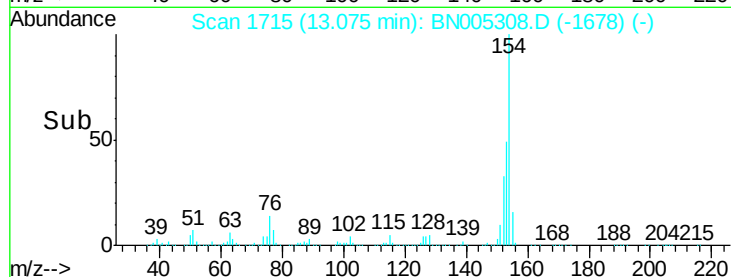
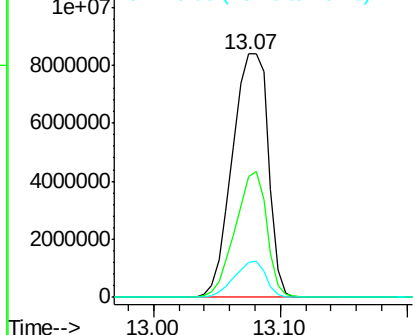
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#44

Dimethylphthalate

Concen: 1.819 ng/ul m

RT: 13.73 min Scan# 1826

Delta R.T. 0.03 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

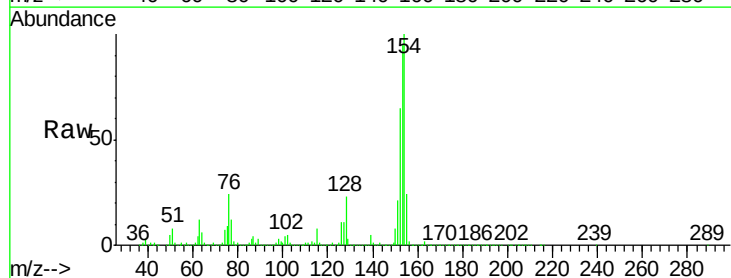
Tgt Ion:163 Resp: 198519

Ion Ratio Lower Upper

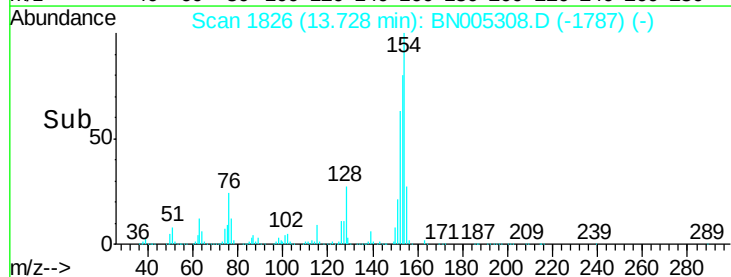
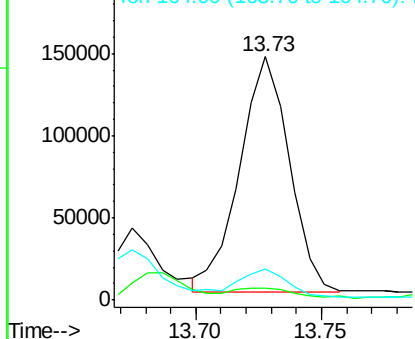
163 100

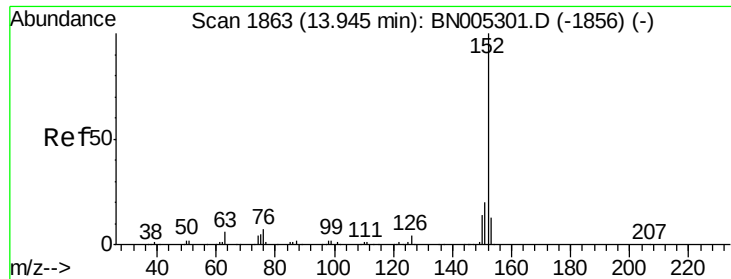
194 5.0 3.4 5.0

164 12.9 8.1 12.1#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





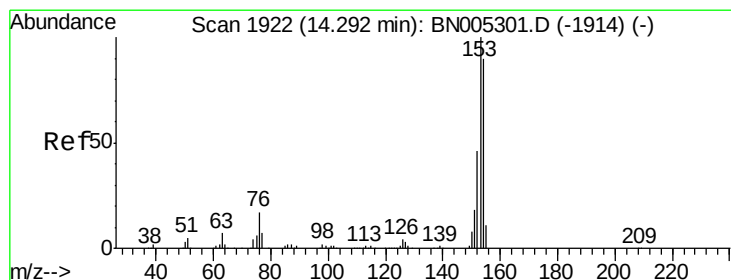
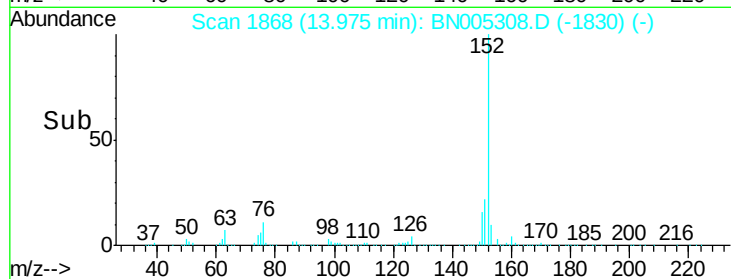
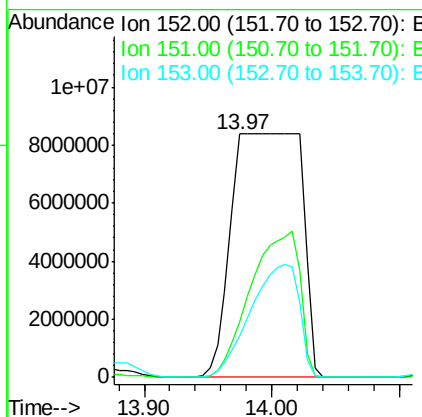
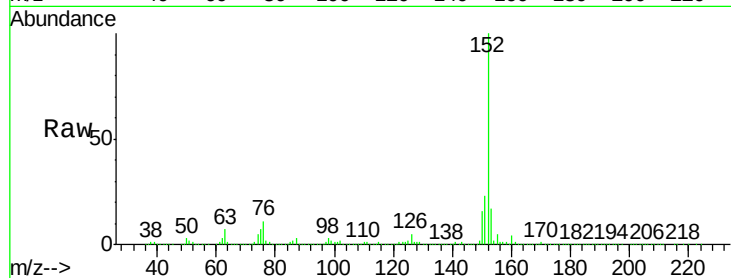
#47
Acenaphthylene
Concen: 240.605 ng/ul m
RT: 13.97 min Scan# 1868
Delta R.T. 0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampleId :
GAHX0

Tgt Ion:152 Resp:31800897
Ion Ratio Lower Upper
152 100
151 23.0 15.8 23.8
153 17.2 9.8 14.8#

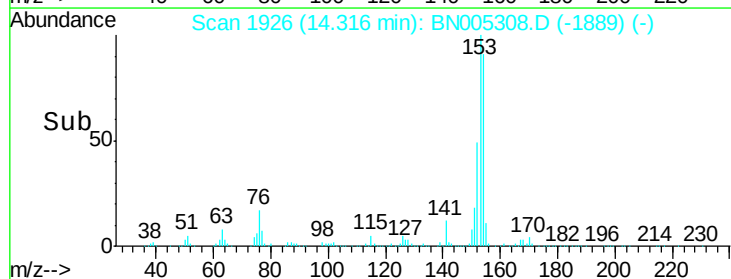
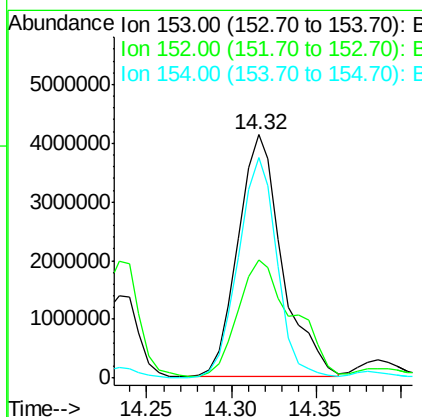
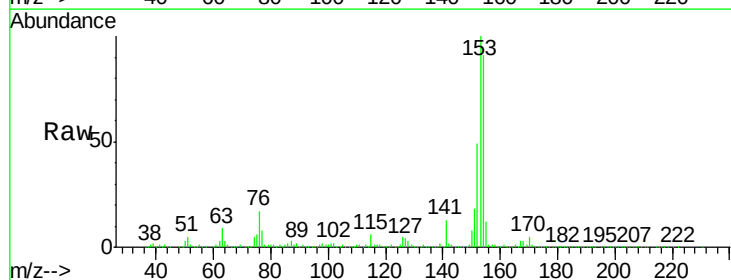
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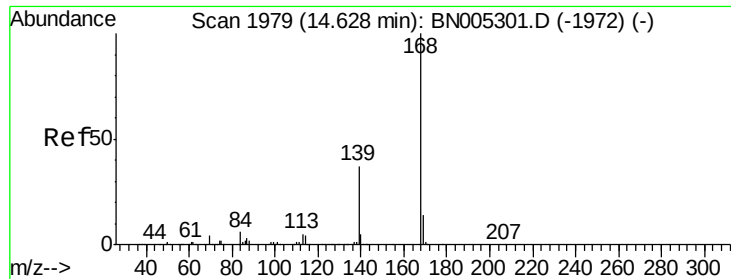
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#49
Acenaphthene
Concen: 83.606 ng/ul
RT: 14.32 min Scan# 1926
Delta R.T. 0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:153 Resp: 7543877
Ion Ratio Lower Upper
153 100
152 48.8 37.4 56.0
154 90.6 71.2 106.8





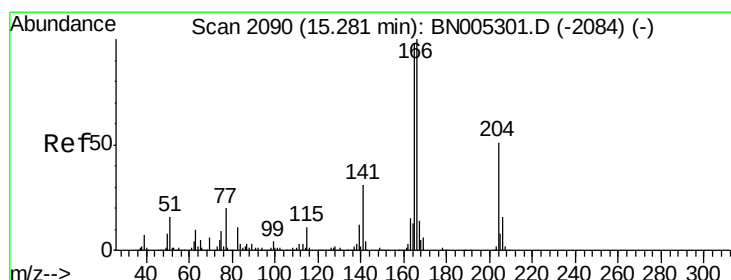
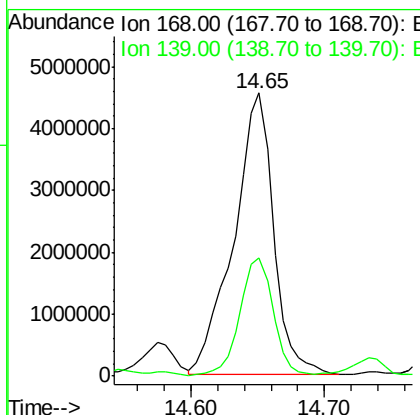
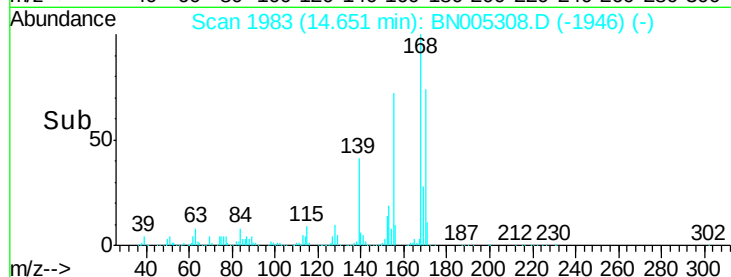
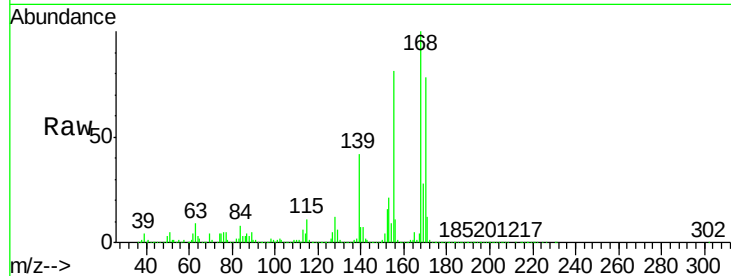
#53
Dibenzenofuran
Concen: 72.711 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. 0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampled :
GAHX0

Tgt Ion:168 Resp: 9446120
Ion Ratio Lower Upper
168 100
139 41.8 30.9 46.3

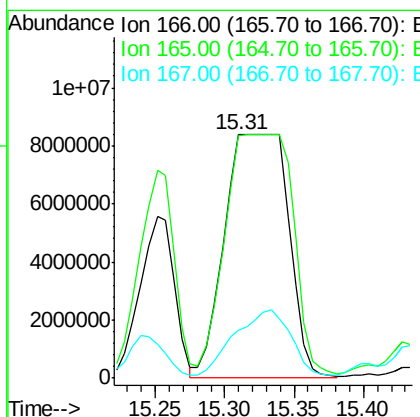
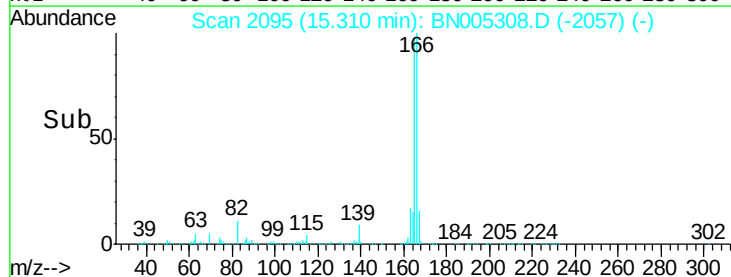
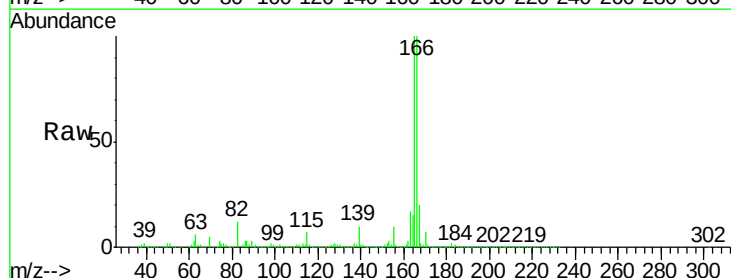
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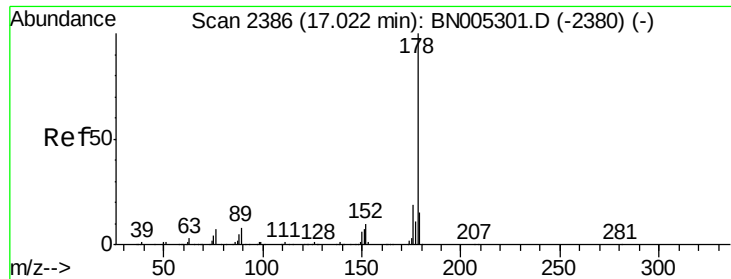
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#58
Fluorene
Concen: 262.488 ng/ul m
RT: 15.31 min Scan# 2095
Delta R.T. 0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion:166 Resp:26609125
Ion Ratio Lower Upper
166 100
165 99.6 80.0 120.0
167 19.6 10.7 16.1#





#69

Phenanthrene

Concen: 340.065 ng/ul m

RT: 17.04 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

GAHX0

Tgt Ion:178 Resp:45321446

Ion Ratio Lower Upper

178 100

179 25.3 12.2 18.4#

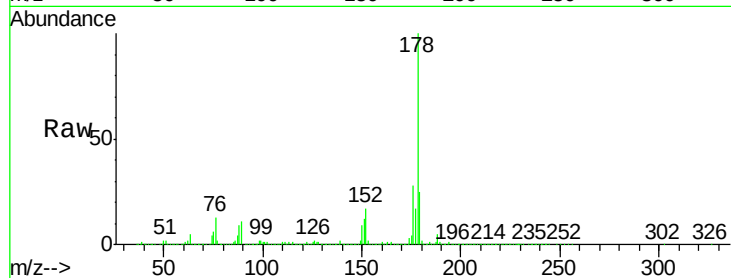
176 28.4 15.1 22.7#

Manual Integrations

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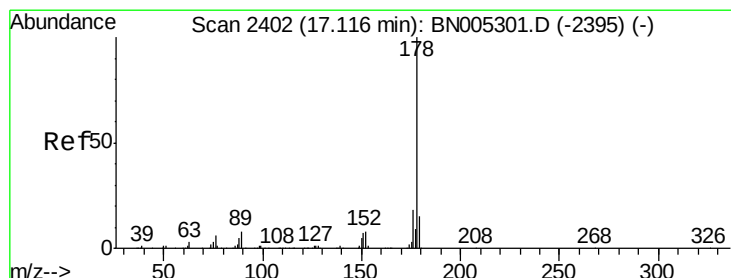
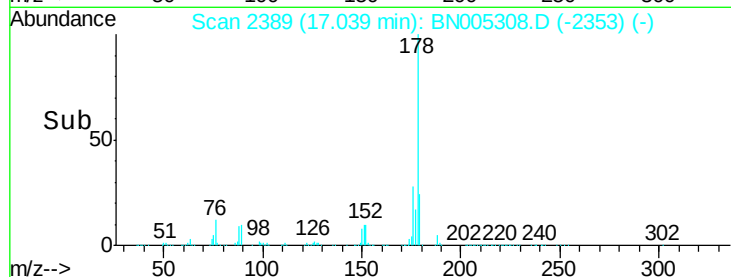
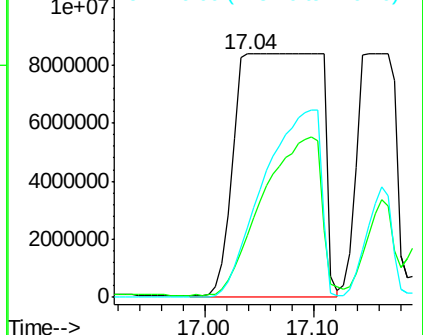
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 143.517 ng/ul m

RT: 17.15 min Scan# 2408

Delta R.T. 0.04 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Tgt Ion:178 Resp:19484512

Ion Ratio Lower Upper

178 100

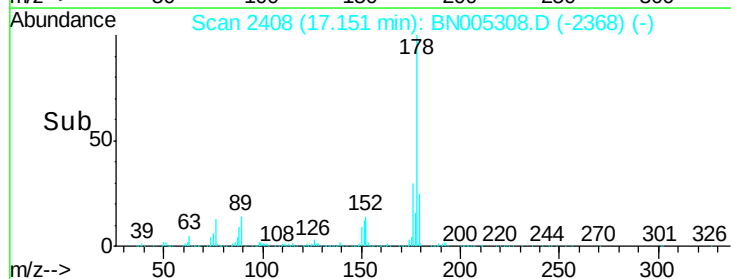
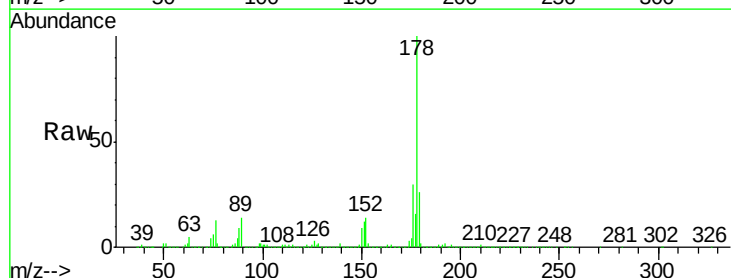
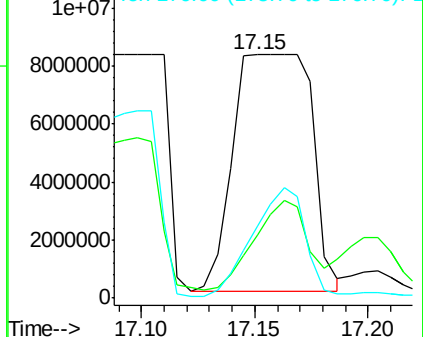
179 26.0 12.3 18.5#

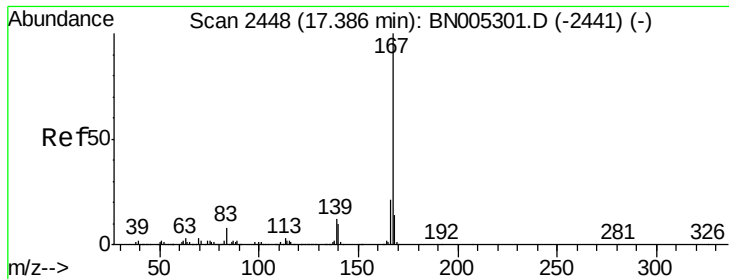
176 29.6 15.1 22.7#

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





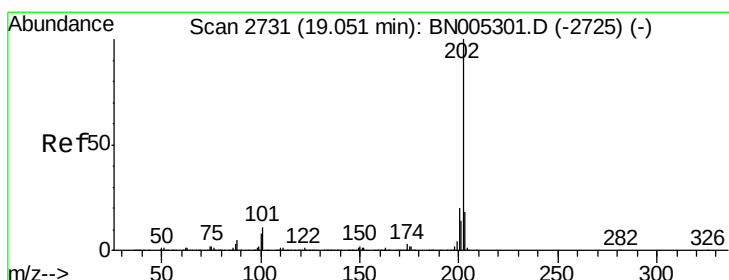
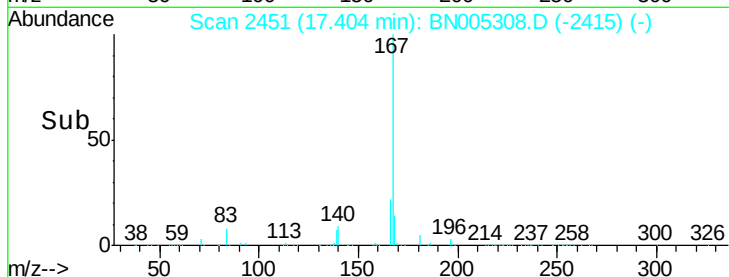
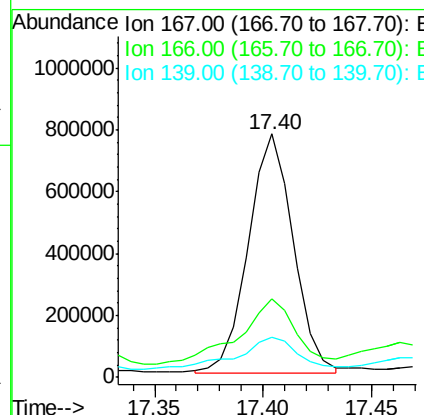
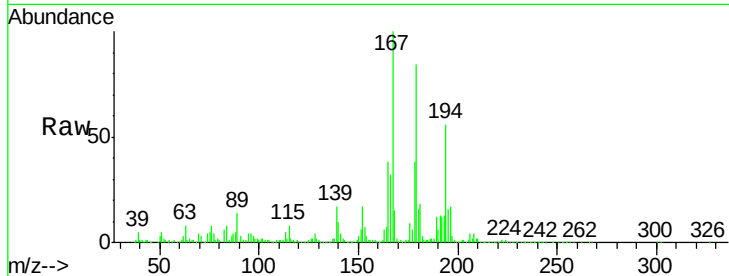
#74
 Carbazole
 Concen: 9.539 ng/ul m
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Instrument :
 BNA_N
 ClientSampled :
 GAHX0

Tgt Ion:167 Resp: 1112516
 Ion Ratio Lower Upper
 167 100
 166 32.0 17.2 25.8#
 139 16.7 10.6 16.0#

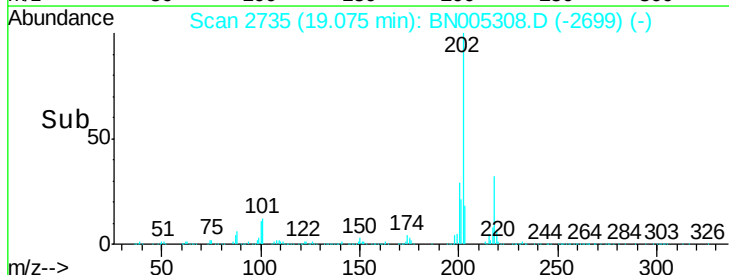
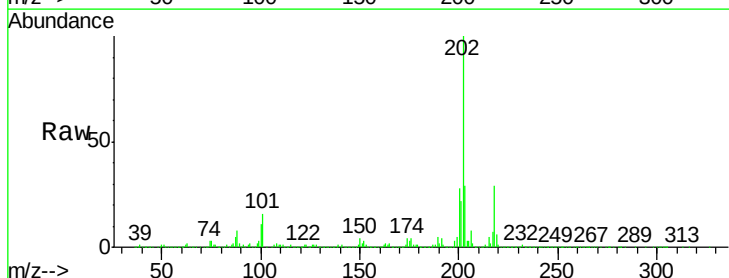
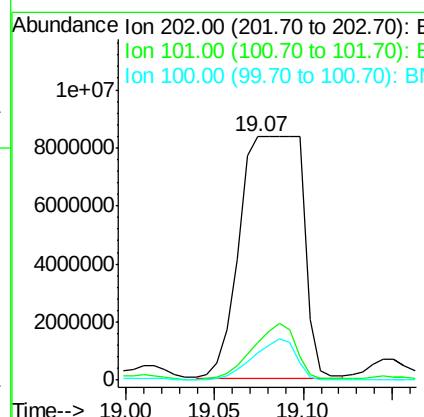
Manual Integrations
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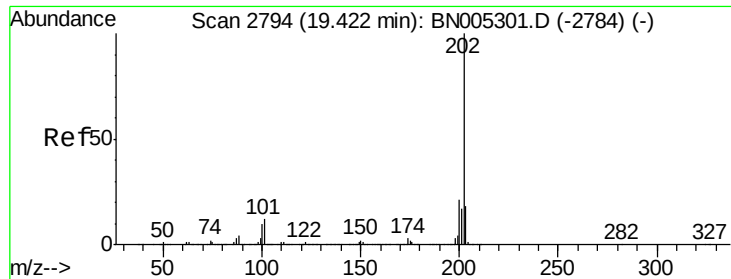
Sohil
 4/26/2019 6:22:06 PM



#76
 Fluoranthene
 Concen: 138.834 ng/ul m
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: BN005308.D
 Acq: 26 Apr 2019 07:37

Tgt Ion:202 Resp:20523186
 Ion Ratio Lower Upper
 202 100
 101 15.5 8.6 12.8#
 100 11.1 6.3 9.5#





#79

Pyrene

Concen: 161.905 ng/ul m

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

GAHX0

Tgt Ion:202 Resp:25804893

Ion Ratio Lower Upper

202 100

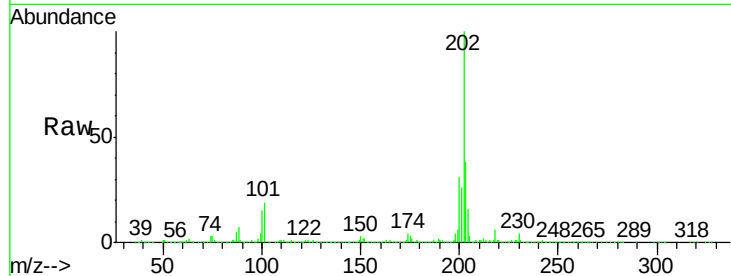
101 19.3 10.3 15.5#

100 14.6 7.9 11.9#

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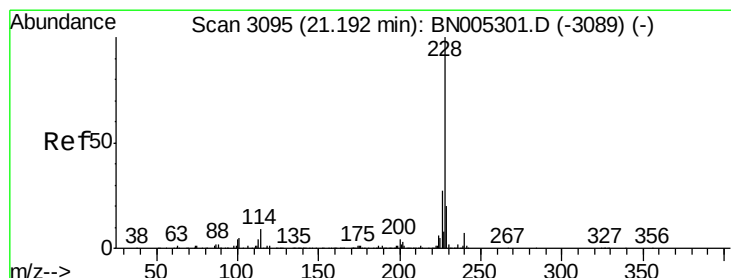
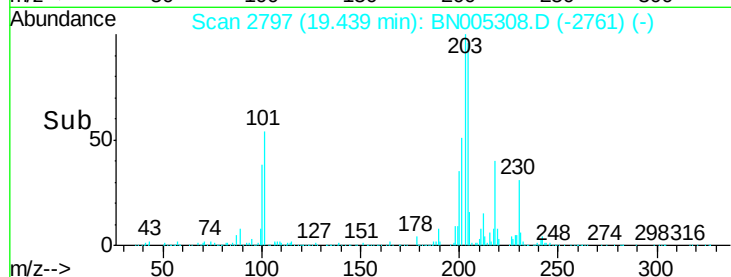
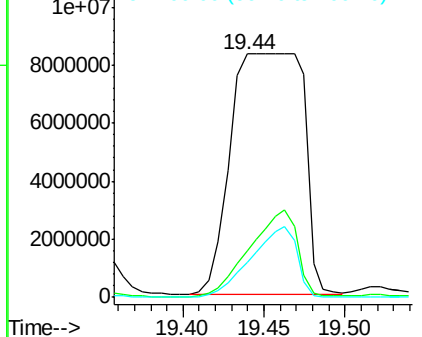
4/26/2019 6:22:06 PM



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): E



#82

Benzo(a)anthracene

Concen: 106.807 ng/ul m

RT: 21.21 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

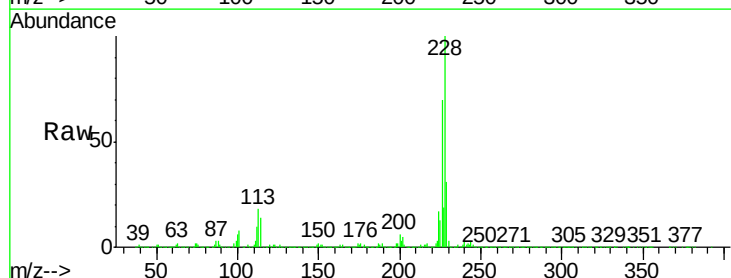
Tgt Ion:228 Resp:16447783

Ion Ratio Lower Upper

228 100

229 31.0 15.8 23.6#

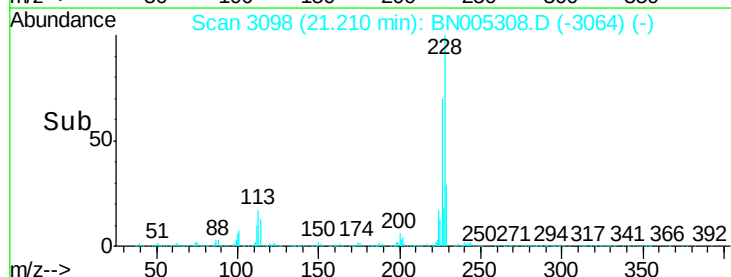
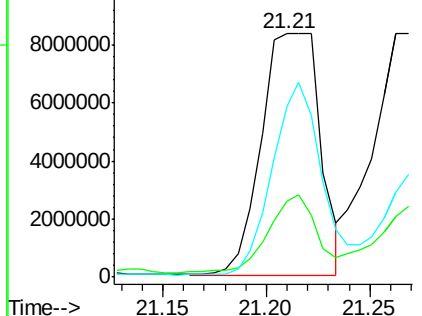
226 70.3 21.4 32.2#

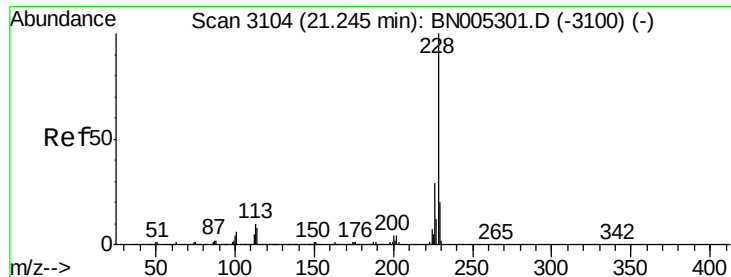


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 108.974 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampled :

GAHX0

Tgt Ion:228 Resp:15574837

Ion Ratio Lower Upper

228 100

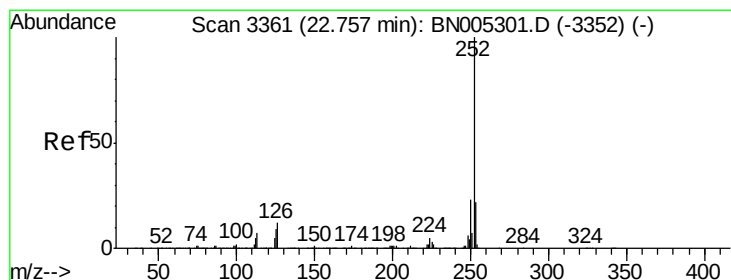
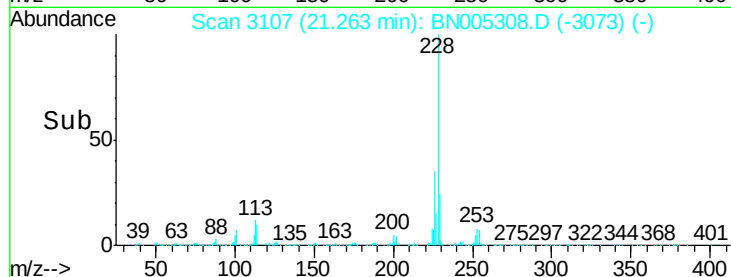
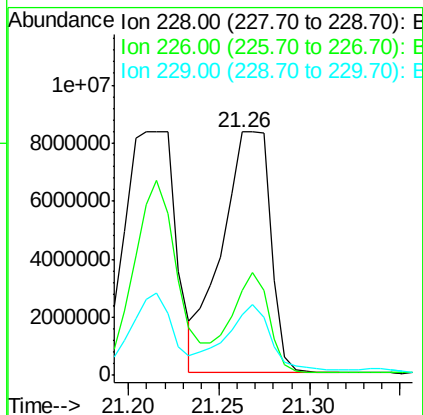
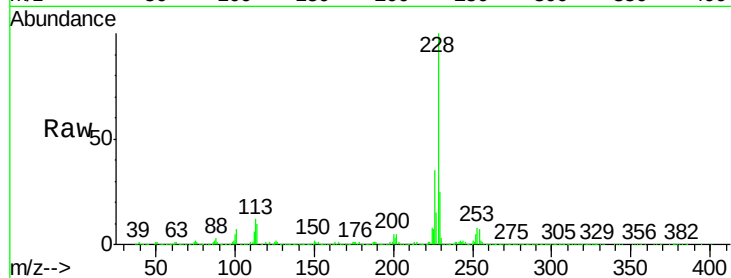
226 35.0 24.0 36.0

229 24.9 15.4 23.0#

Manual Integrations
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4/26/2019 6:22:06 PM



#87

Benzo(b)fluoranthene

Concen: 62.023 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

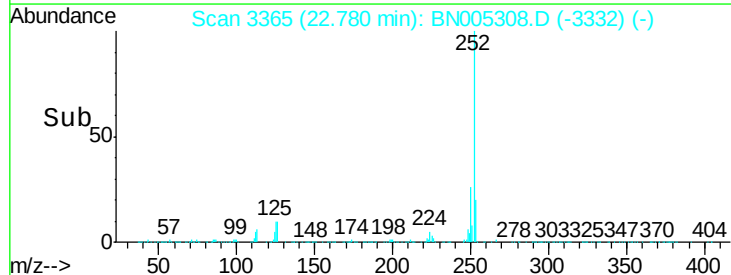
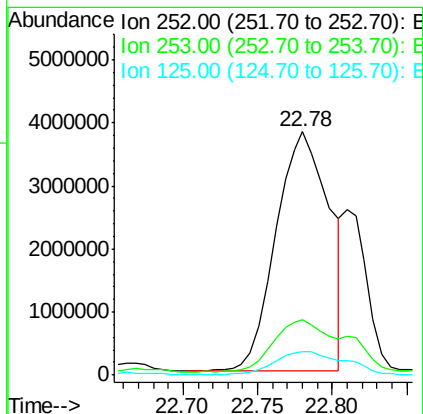
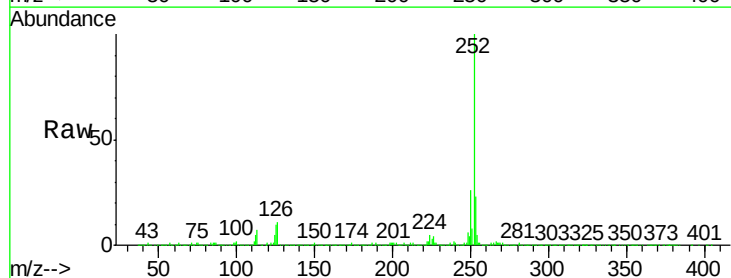
Tgt Ion:252 Resp: 9454294

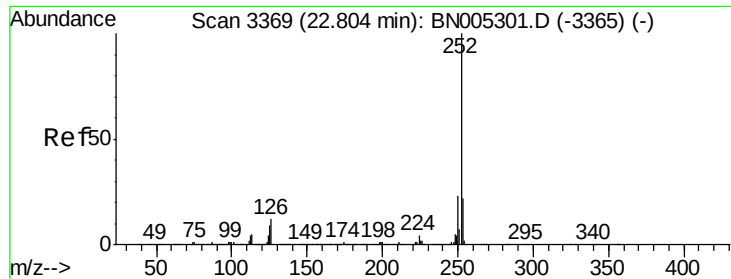
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.9 8.4 12.6





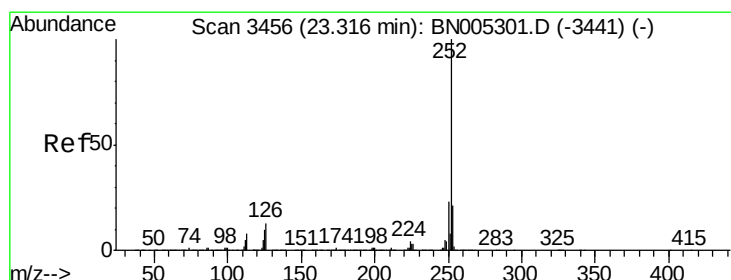
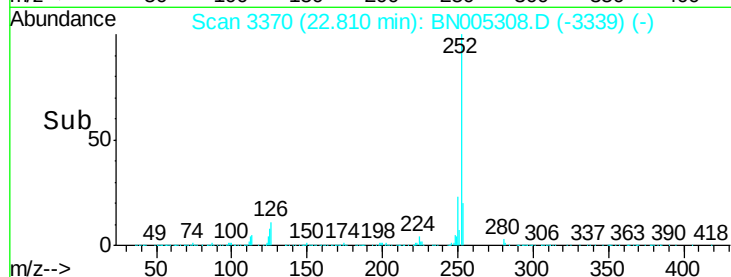
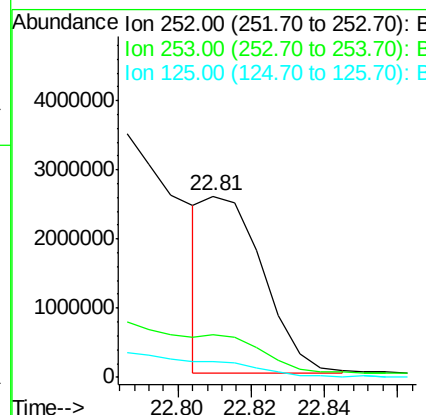
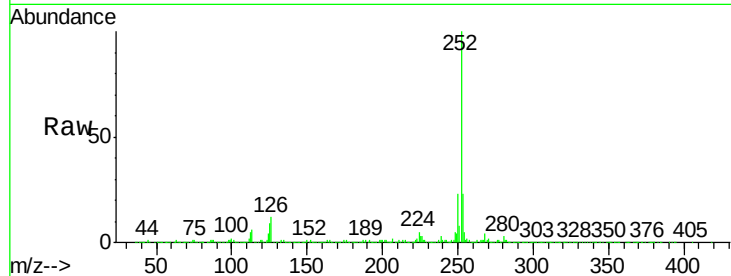
#88
Benzo(k)fluoranthene
Concen: 19.497 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Instrument :
BNA_N
ClientSampleId :
GAHX0

Tgt Ion: 252 Resp: 2838321
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.0 7.5 11.3

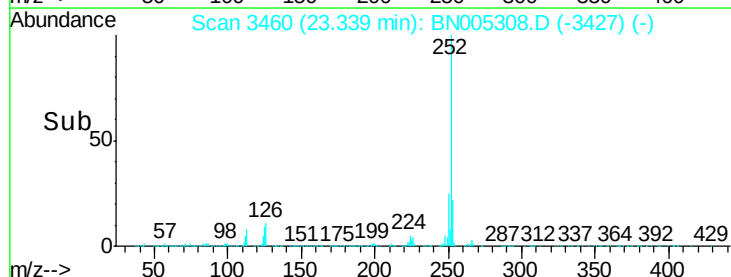
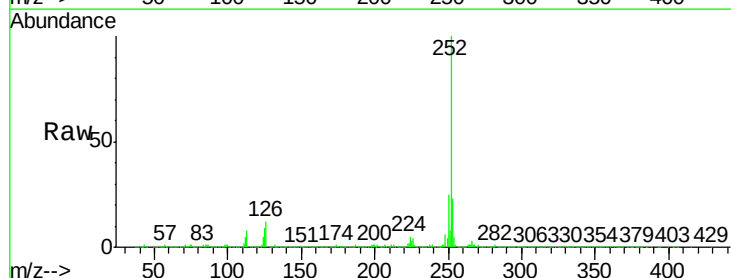
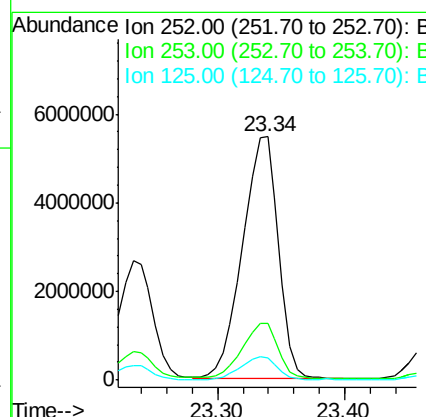
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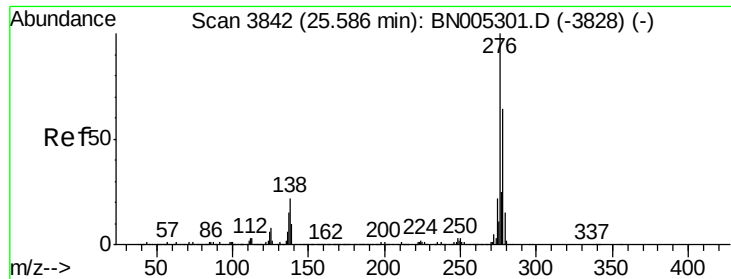
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#90
Benzo(a)pyrene
Concen: 74.373 ng/ul
RT: 23.34 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BN005308.D
Acq: 26 Apr 2019 07:37

Tgt Ion: 252 Resp: 10656041
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 9.1 8.6 13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 20.970 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.03 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

GAHX0

Tgt Ion:276 Resp: 3321909

Ion Ratio Lower Upper

276 100

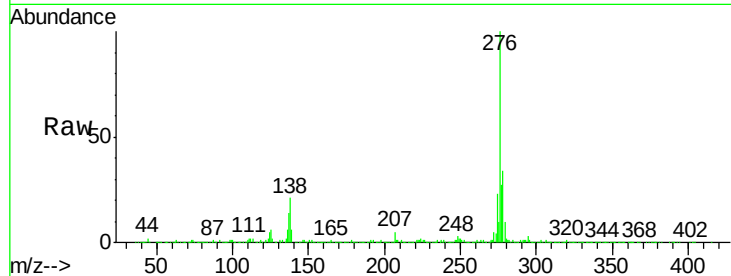
138 26.9 17.9 26.9#

277 26.5 19.7 29.5

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Sohil

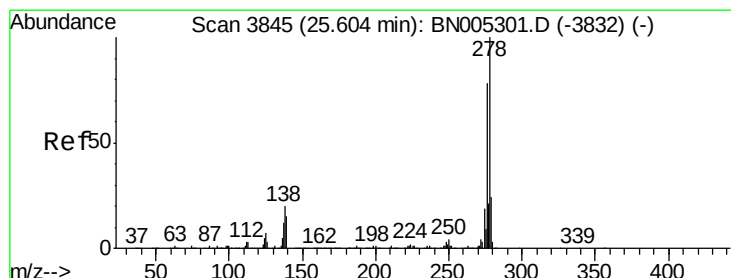
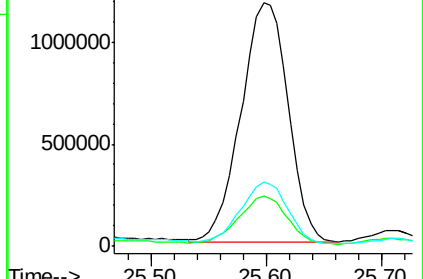
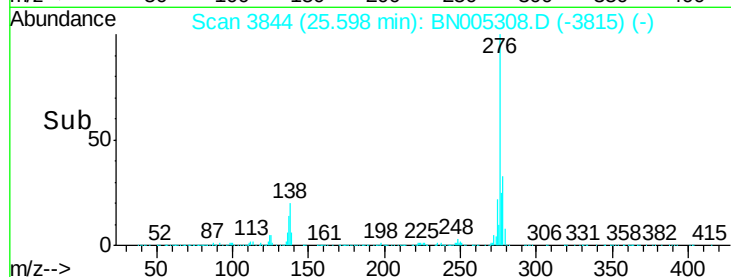
4/26/2019 6:22:06 PM



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: 9.614 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.03 min

Lab File: BN005308.D

Acq: 26 Apr 2019 07:37

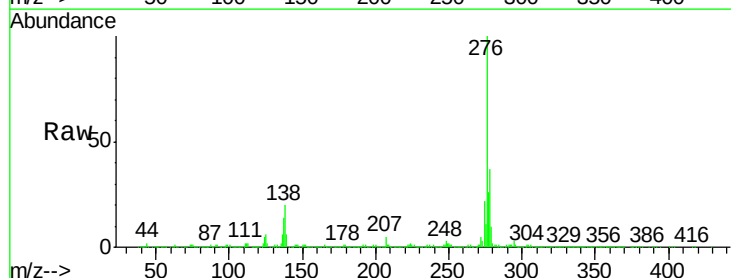
Tgt Ion:278 Resp: 1292494

Ion Ratio Lower Upper

278 100

139 17.2 13.1 19.7

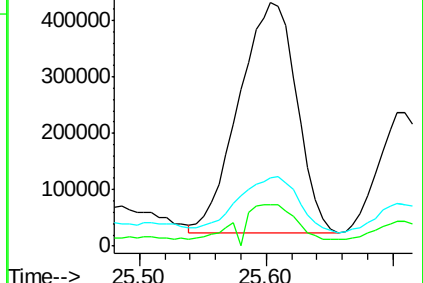
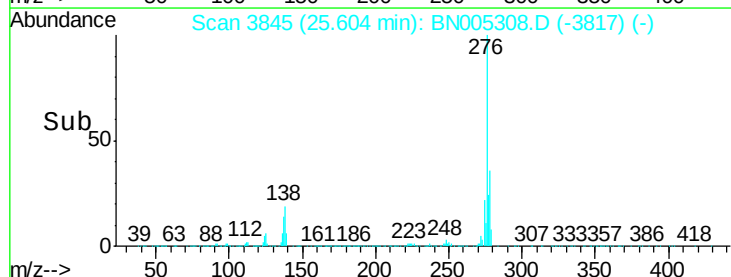
279 28.1 19.4 29.0

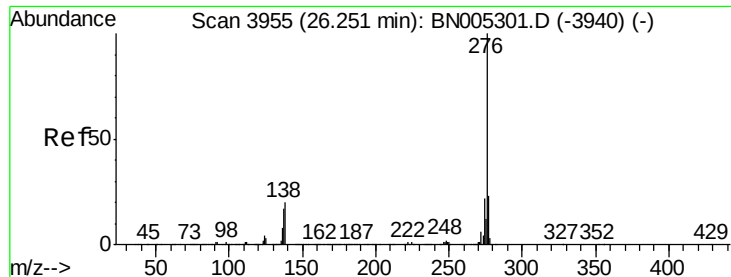


Abundance Ion 278.00 (277.70 to 278.70): E

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: 21.572 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BN005308.D

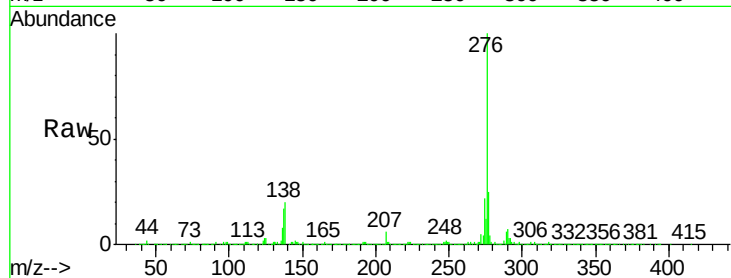
Acq: 26 Apr 2019 07:37

Instrument :

BNA_N

ClientSampleId :

GAHX0



Tgt Ion: 276 Resp: 2825542

Ion Ratio Lower Upper

276 100

138 20.0 16.7 25.1

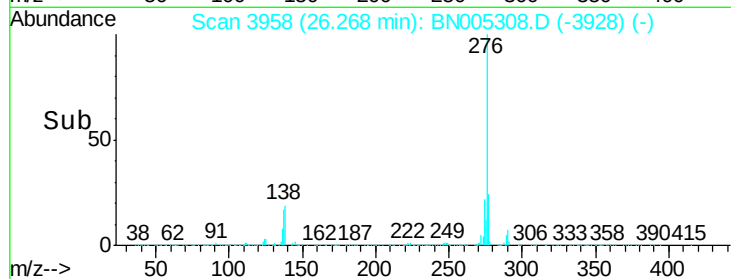
277 24.9 18.2 27.2

Manual Integrations

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4/26/2019 6:22:06 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

