

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005202.D
 Acq On : 23 Apr 2019 07:56
 Operator : JU/SJ
 Sample : K2455-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Manual Integrations
 APPROVED

Sohil
 4/23/2019 4:20:06 PM

Quant Time: Apr 23 09:38:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 23 03:50:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	479391	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	2210767	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	1481754	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3015370	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	2538049	20.00	ng/ul	0.01
85) Perylene-d12	23.43	264	2960233	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	82591	8.32	ng/uL	0.00
5) Phenol-d5	6.78	99	883633	23.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	558050	23.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	719103	24.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	696133	23.65	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	372943	27.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	361484	26.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	655529	20.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	895922	27.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	1973095	18.34	ng/ul	0.01
46) Acenaphthylene-d8	13.93	160	2349301	17.78	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	298429	17.57	ng/ul	0.00
57) Fluorene-d10	15.24	176	1600977	17.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	56567m	4.17	ng/ul	0.03
70) Anthracene-d10	17.10	188	2453025	19.41	ng/ul	0.01
78) Pyrene-d10	19.40	212	2568349	19.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	2517815	19.46	ng/ul	0.02

Target Compounds

					Ovalue	
14) Acetophenone	8.39	105	174372	3.702	ng/ul#	34
28) Naphthalene	10.42	128	31772435m	309.146	ng/ul	
34) 2-Methylnaphthalene	12.05	142	40768346m	541.750	ng/ul	
40) 1,1'-Biphenyl	13.07	154	7081200	64.139	ng/ul	99
44) Dimethylphthalate	13.70	163	343704	3.207	ng/ul#	97
47) Acenaphthylene	13.97	152	17180924	132.332	ng/ul#	83
49) Acenaphthene	14.30	153	2384366	26.901	ng/ul	98
53) Dibenzofuran	14.64	168	3254473	25.503	ng/ul	93
58) Fluorene	15.30	166	11966327	120.170	ng/ul	98
69) Phenanthrene	17.03	178	25181384m	171.473	ng/ul	
71) Anthracene	17.13	178	10697906	71.511	ng/ul	98
76) Fluoranthene	19.07	202	12763619	78.358	ng/ul	100
79) Pyrene	19.43	202	16904454m	103.444	ng/ul	
82) Benzo(a)anthracene	21.21	228	9319319m	59.023	ng/ul	
84) Chrysene	21.26	228	7597801	51.848	ng/ul	96
87) Benzo(b)fluoranthene	22.79	252	7517581	45.177	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	2086069m	13.126	ng/ul	
90) Benzo(a)pyrene	23.35	252	6048726	38.672	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.62	276	3262528	18.866	ng/ul	97
92) Dibenz(a,h)anthracene	25.62	278	1110508	7.567	ng/ul	98
93) Benzo(a,h,i)perylene	26.28	276	2089958	14.616	ng/ul	97

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

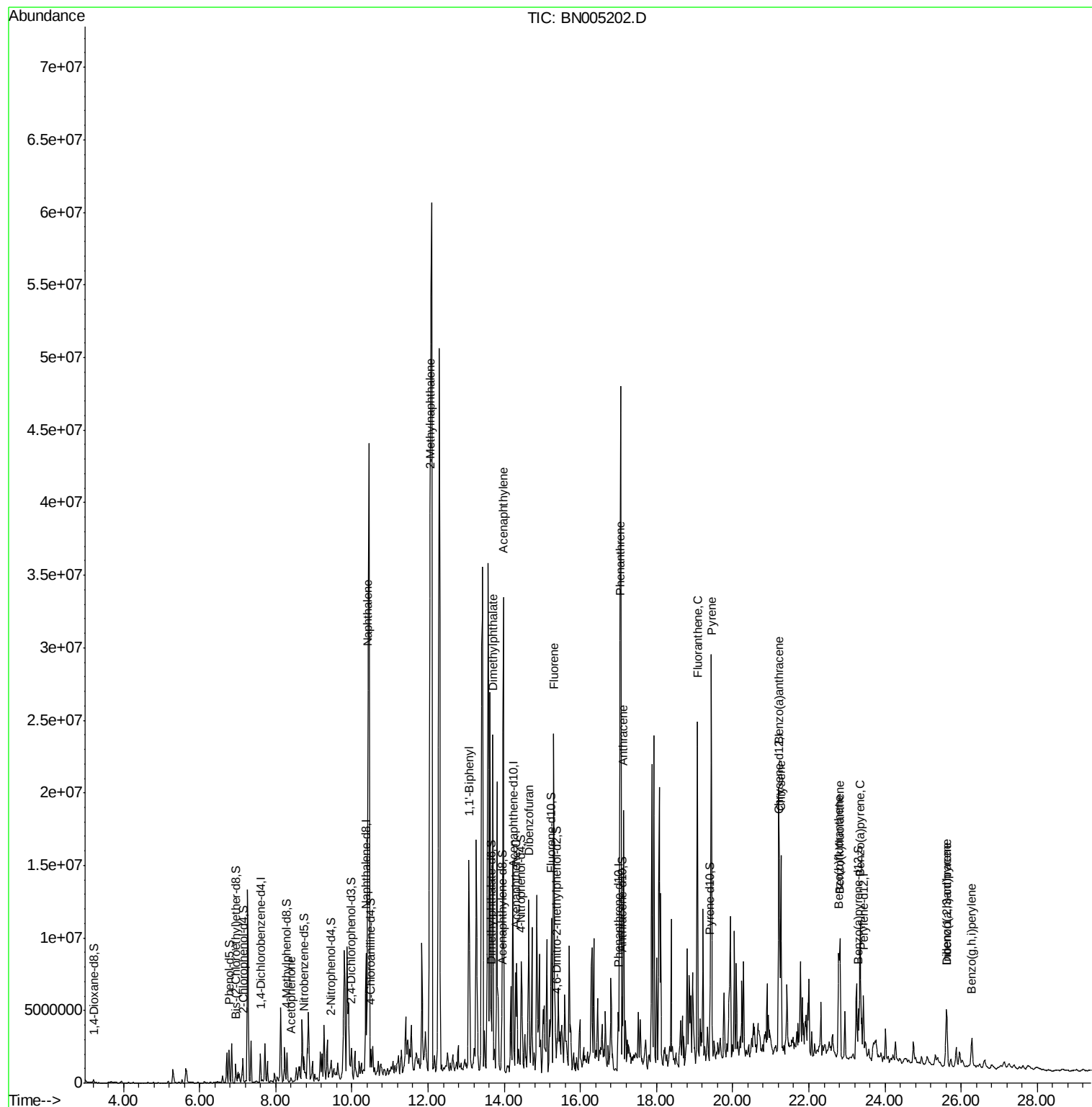
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005202.D
Acq On : 23 Apr 2019 07:56
Operator : JU/SJ
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ALS Vial : 38 Sample Multiplier: 1

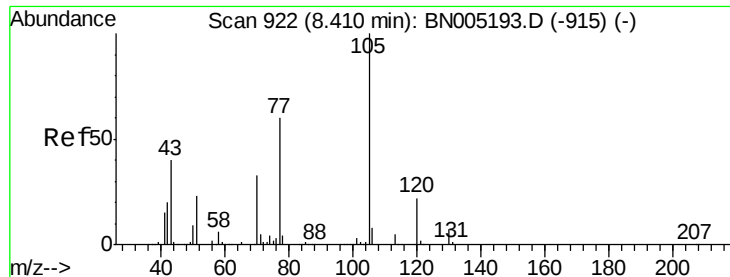
Instrument :
BNA_N
ClientSampleId :
GAHQ8

Manual Integrations
APPROVED

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4/23/2019 4:20:06 PM

Quant Time: Apr 23 09:38:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration





#14

Acetophenone

Concen: 3.702 ng/ul

RT: 8.39 min Scan# 919

Delta R.T. -0.02 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

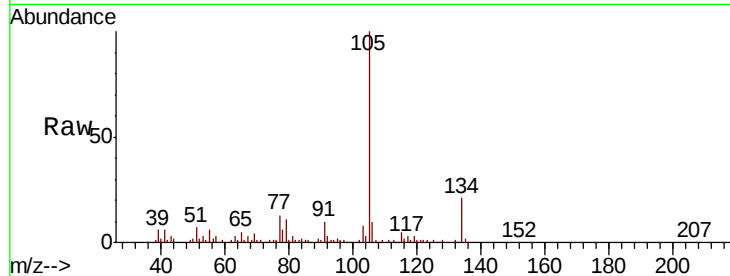
ClientSampled :

GAHQ8

Tot Ion:	105	Resp:	174372
Ion Ratio		Lower	Upper
105	100		
77	13.3	63.4	95.0#
51	6.6	24.2	36.4#

Manual Integrations
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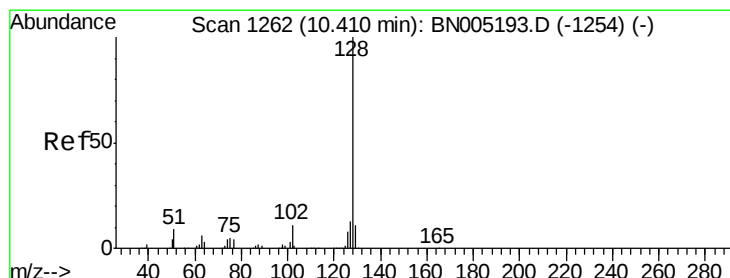
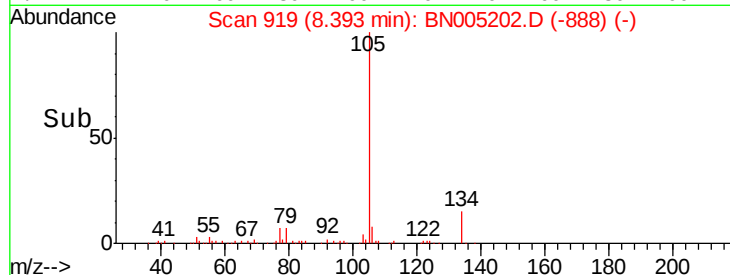
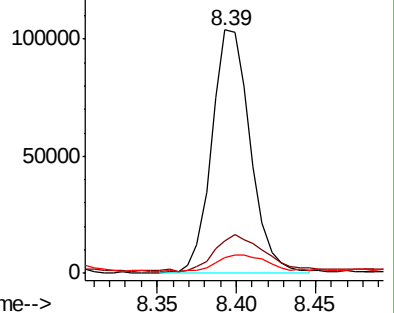
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#28

Naphthalene

Concen: 309.146 ng/ul m

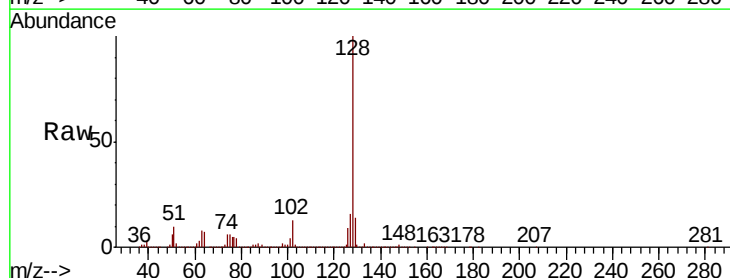
RT: 10.42 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

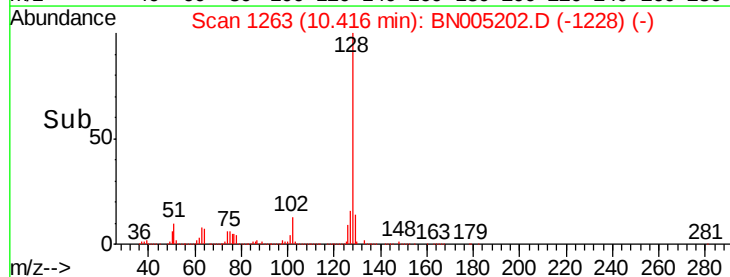
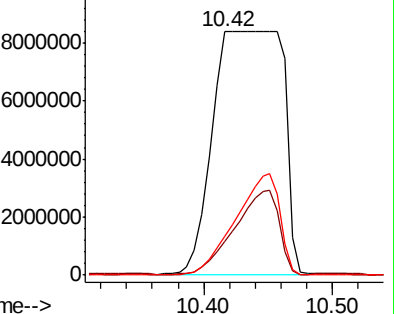
Tgt Ion:	128	Resp:	31772435
Ion Ratio		Lower	Upper
128	100		
129	13.8	9.2	13.8
127	16.0	10.7	16.1

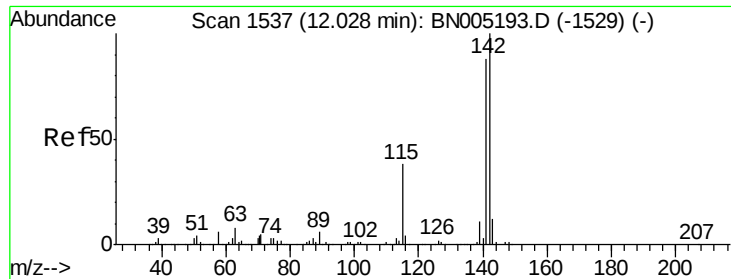


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





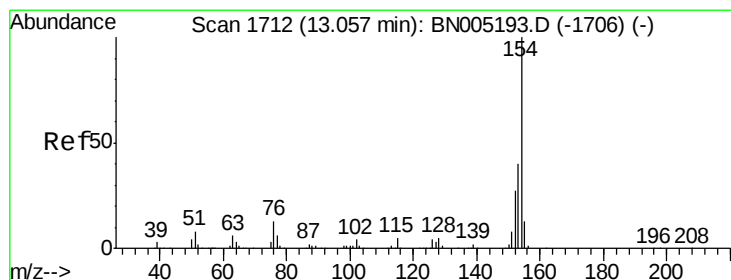
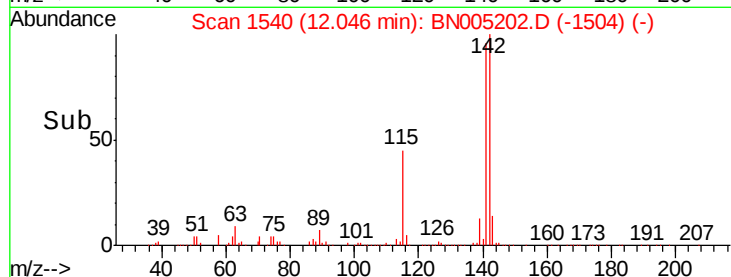
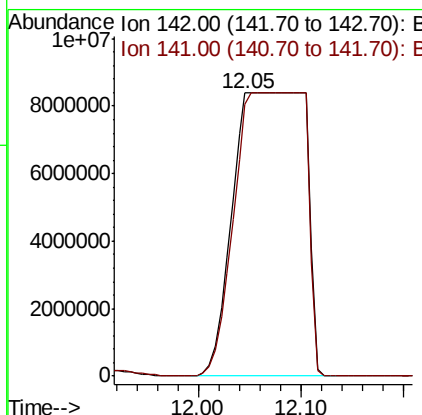
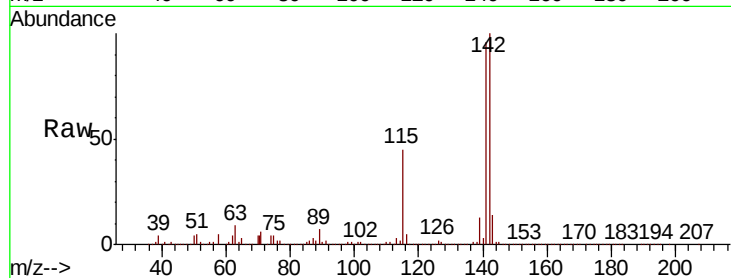
#34
2-Methylnaphthalene
Concen: 541.750 ng/ul m
RT: 12.05 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Instrument :
BNA_N
ClientSampleId :
GAHQ8

Tot Ion:142 Resp:40768346
Ion Ratio Lower Upper
142 100
141 96.2 72.0 108.0

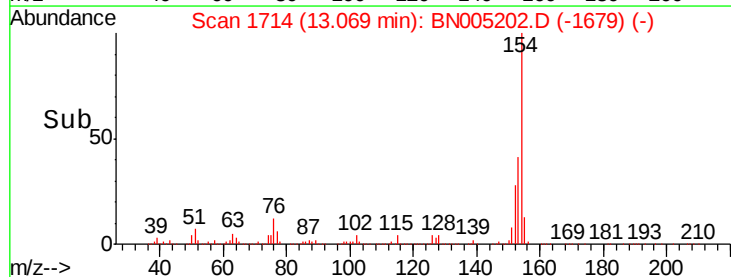
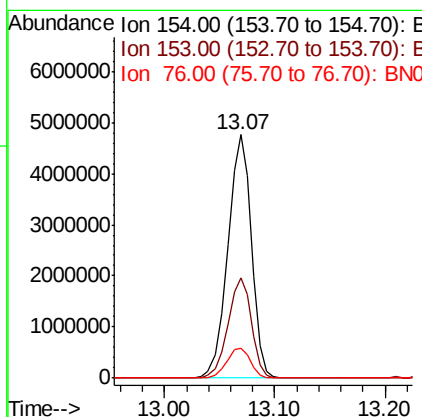
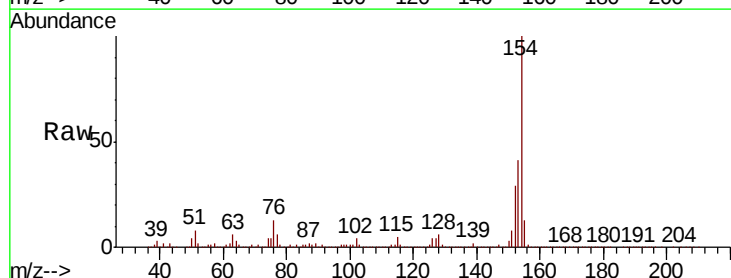
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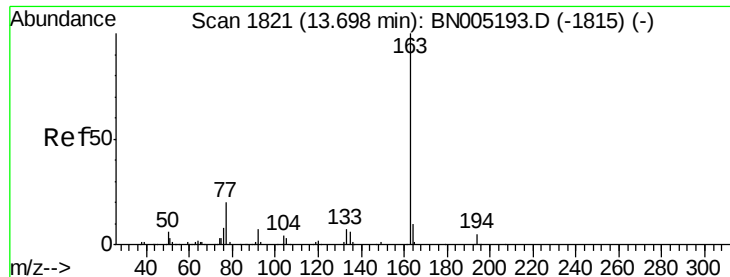
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#40
1,1'-Biphenyl
Concen: 64.139 ng/ul
RT: 13.07 min Scan# 1714
Delta R.T. 0.01 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Tgt Ion:154 Resp: 7081200
Ion Ratio Lower Upper
154 100
153 41.3 32.6 49.0
76 12.5 10.4 15.6





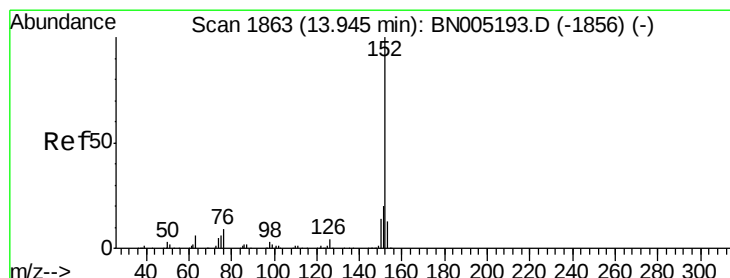
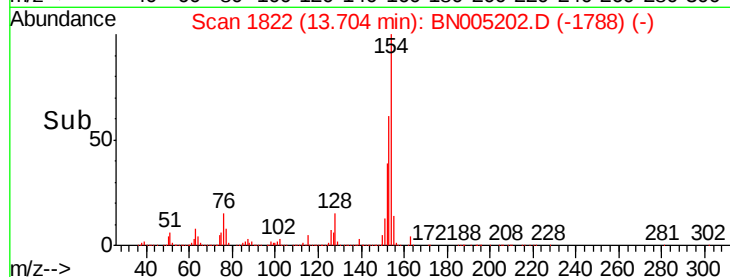
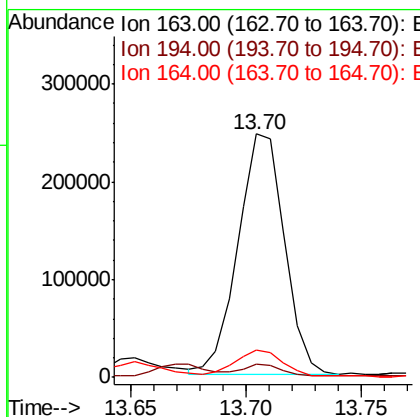
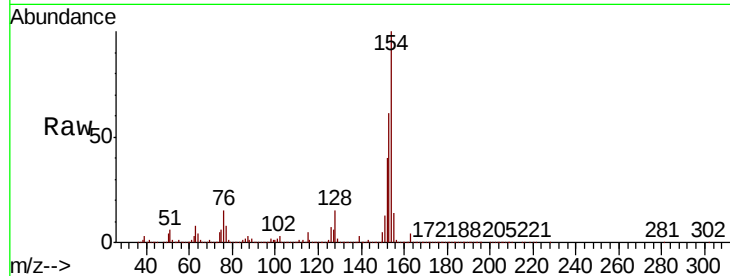
#44
Dimethylphthalate
Concen: 3.207 ng/ul
RT: 13.70 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Instrument :
BNA_N
ClientSampleId :
GAHQ8

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.4	5.0#
164	11.0	8.1	12.1

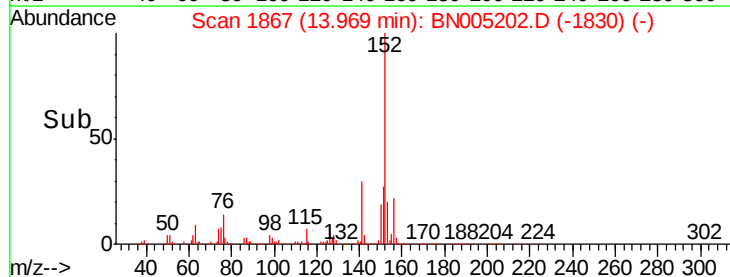
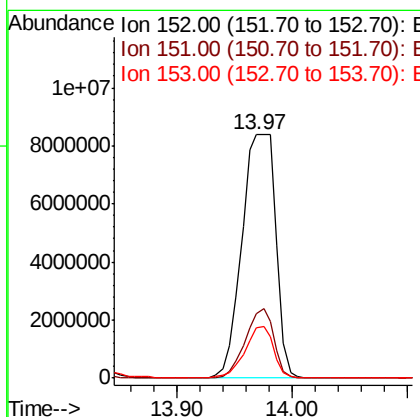
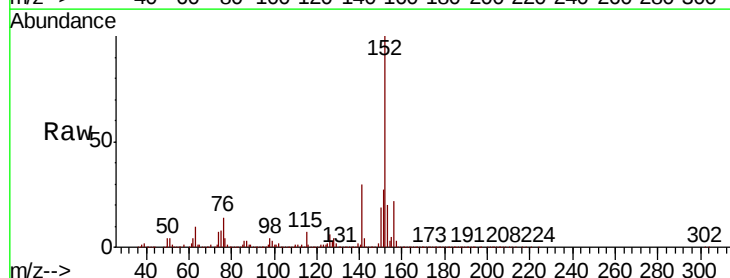
Manual Integrations
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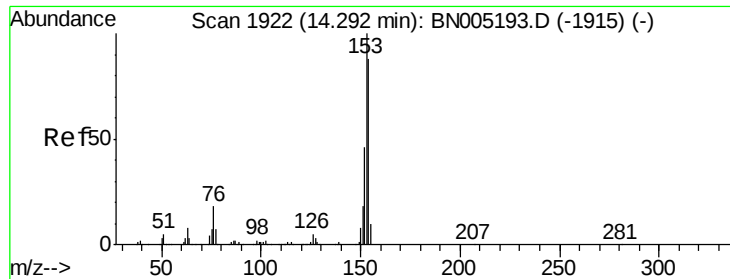
Sohil
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#47
Acenaphthylene
Concen: 132.332 ng/ul
RT: 13.97 min Scan# 1867
Delta R.T. 0.02 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.5	15.8	23.8#
153	20.4	9.8	14.8#





#49

Acenaphthene

Concen: 26.901 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:153 Resp: 2384366

Ion Ratio Lower Upper

153 100

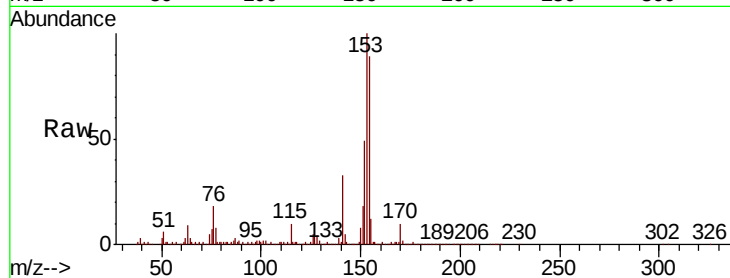
152 49.5 37.4 56.0

154 89.2 71.2 106.8

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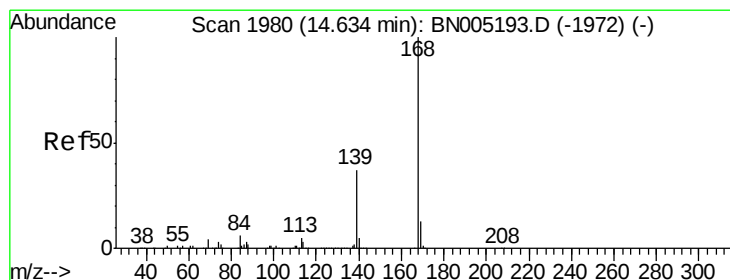
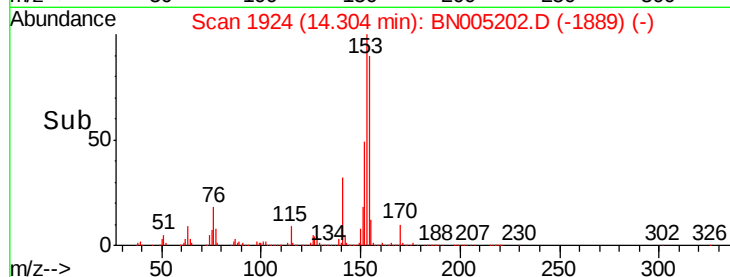
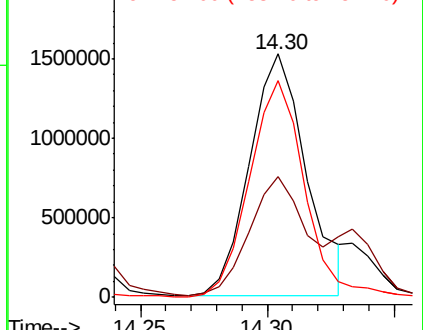


Abundance

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



#53

Dibenzofuran

Concen: 25.503 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN005202.D

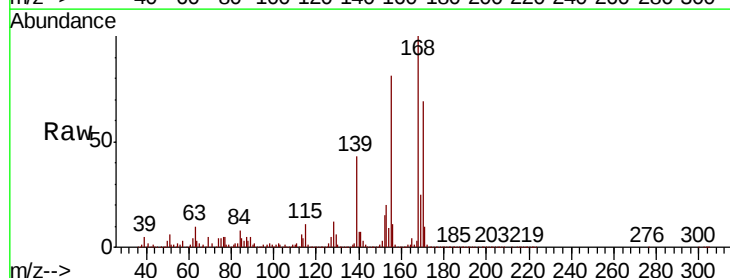
Acq: 23 Apr 2019 07:56

Tgt Ion:168 Resp: 3254473

Ion Ratio Lower Upper

168 100

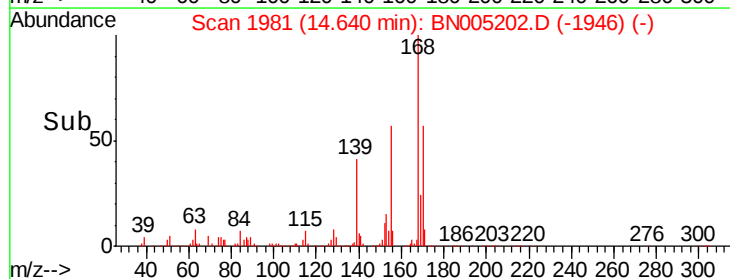
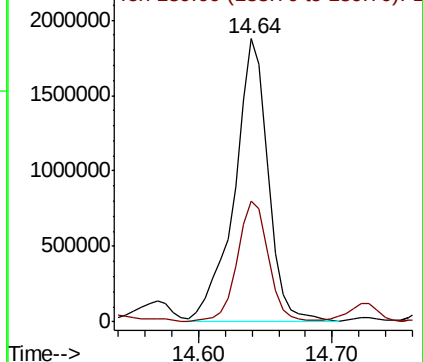
139 42.8 30.9 46.3

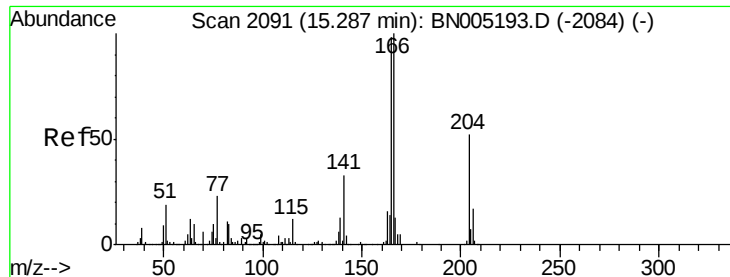


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 120.170 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:166 Resp:11966327

Ion Ratio Lower Upper

166 100

165 98.1 80.0 120.0

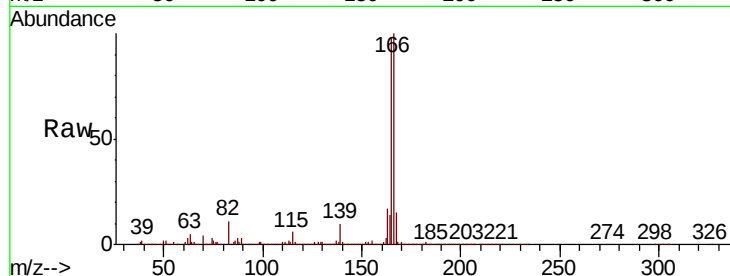
167 15.1 10.7 16.1

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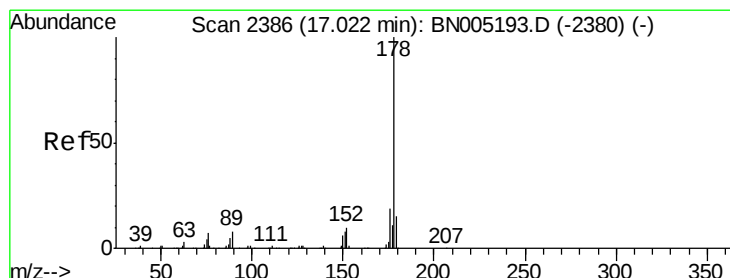
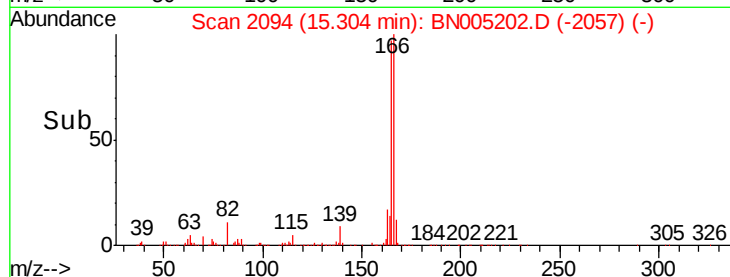
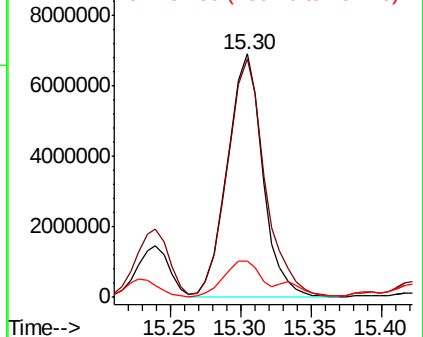


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 171.473 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Tgt Ion:178 Resp:25181384

Ion Ratio Lower Upper

178 100

179 18.5 12.2 18.4#

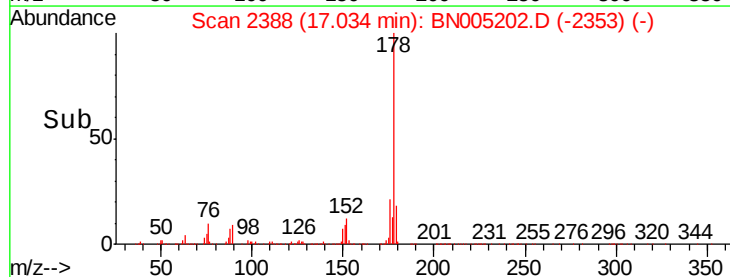
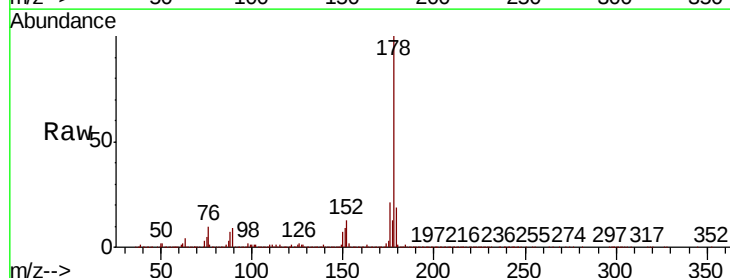
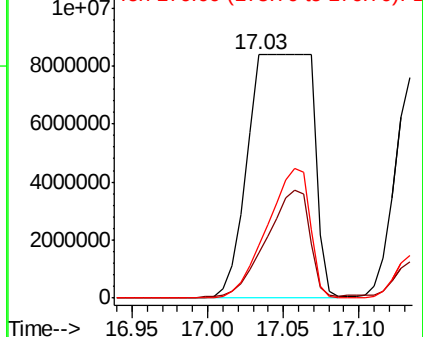
176 21.5 15.1 22.7

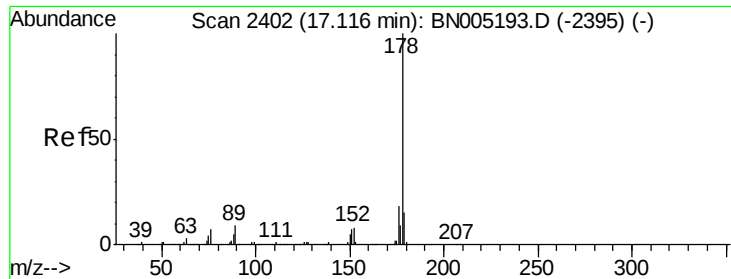
Abundance

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





#71

Anthracene

Concen: 71.511 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

ClientSampled :

GAHQ8

Tot Ion:178 Resp:10697906

Ion Ratio Lower Upper

178 100

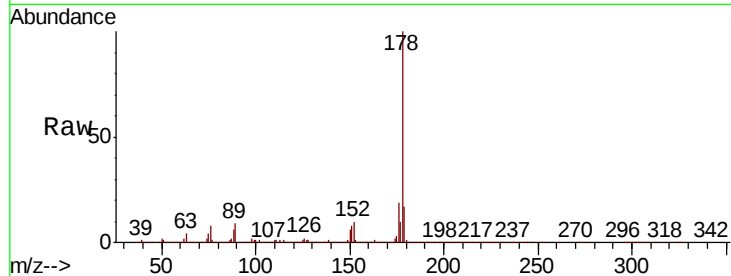
179 16.6 12.3 18.5

176 19.4 15.1 22.7

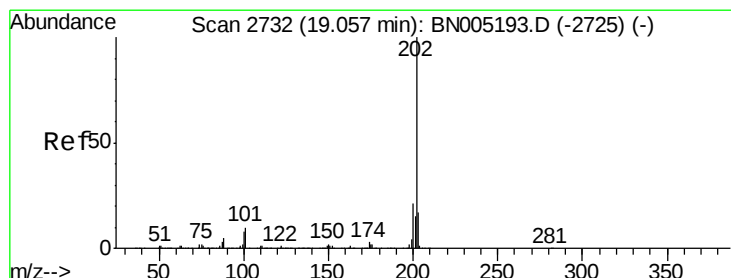
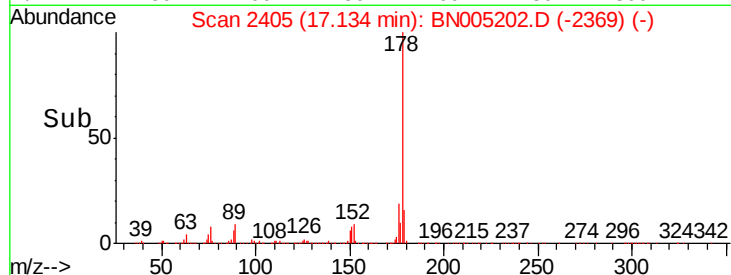
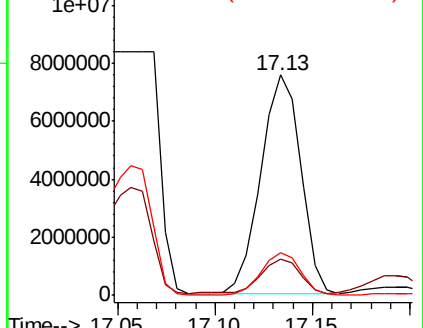
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 78.358 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.02 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

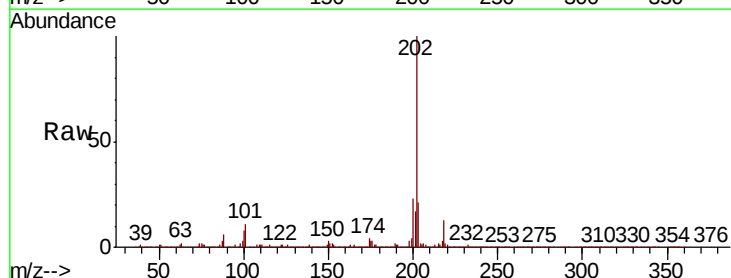
Tgt Ion:202 Resp:12763619

Ion Ratio Lower Upper

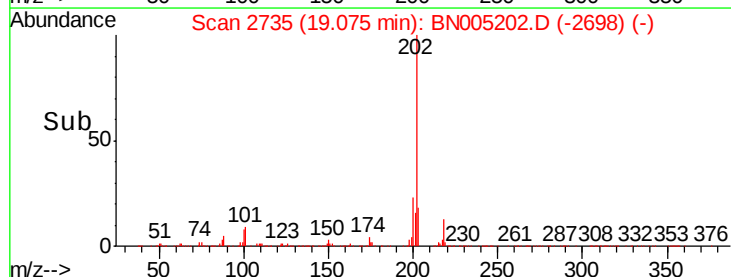
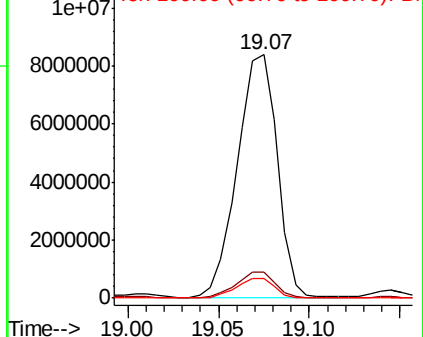
202 100

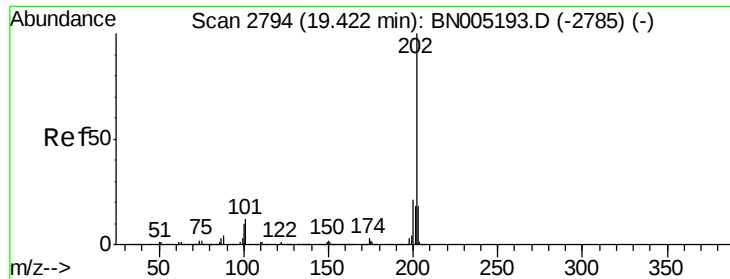
101 10.9 8.6 12.8

100 8.0 6.3 9.5



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





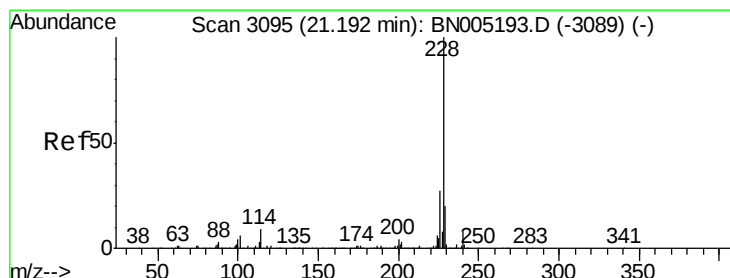
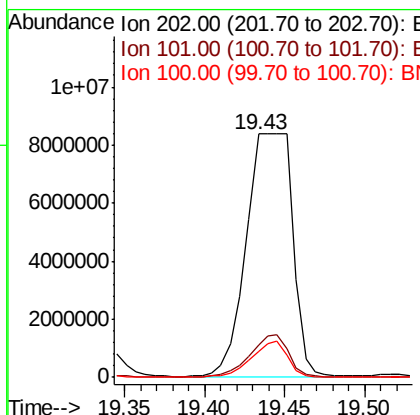
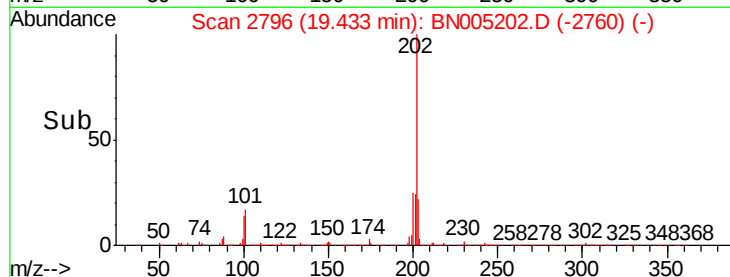
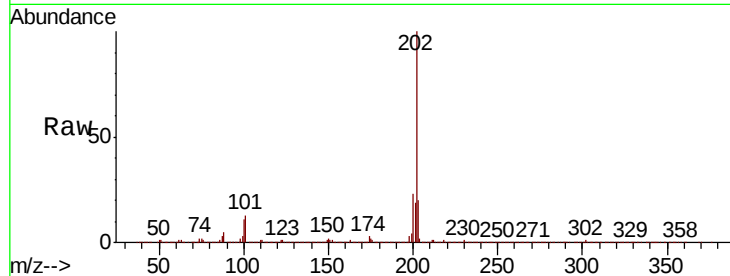
#79
Pvrene
Concen: 103.444 ng/ul m
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Instrument :
BNA_N
ClientSampleId :
GAHQ8

Tot Ion:202 Resp:16904454
Ion Ratio Lower Upper
202 100
101 13.3 10.3 15.5
100 10.8 7.9 11.9

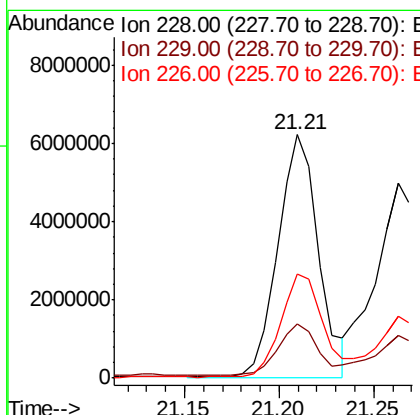
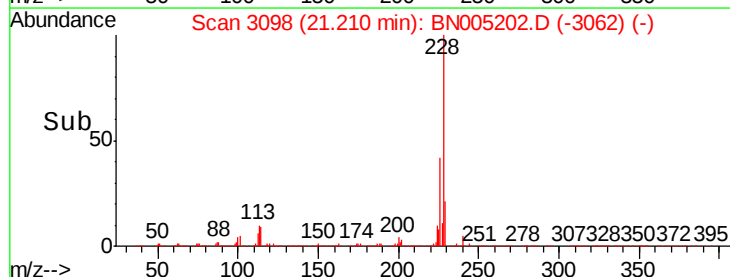
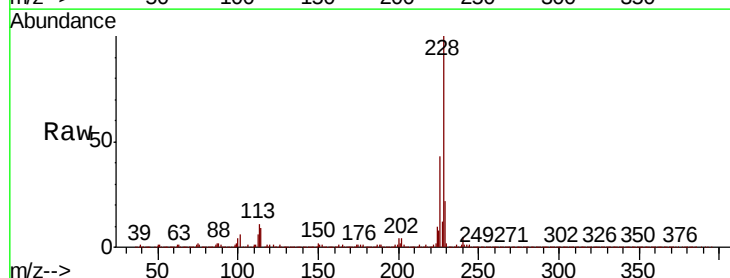
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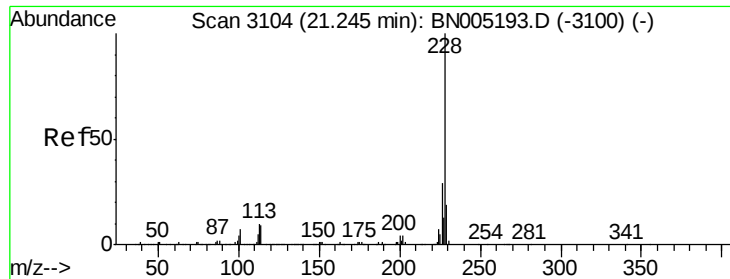
Sohil
4/23/2019 4:20:06 PM



#82
Benzo(a)anthracene
Concen: 59.023 ng/ul m
RT: 21.21 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Tgt Ion:228 Resp: 9319319
Ion Ratio Lower Upper
228 100
229 22.1 15.8 23.6
226 42.9 21.4 32.2#





#84

Chrysene

Concen: 51.848 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:228 Resp: 7597801

Ion Ratio Lower Upper

228 100

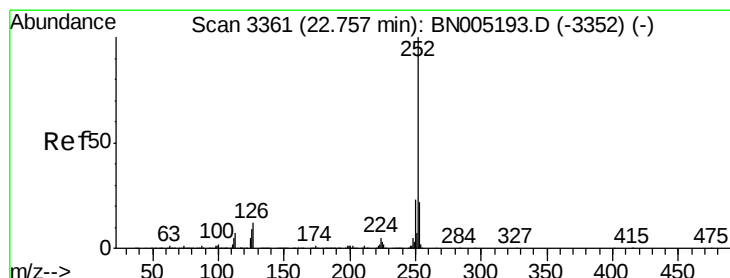
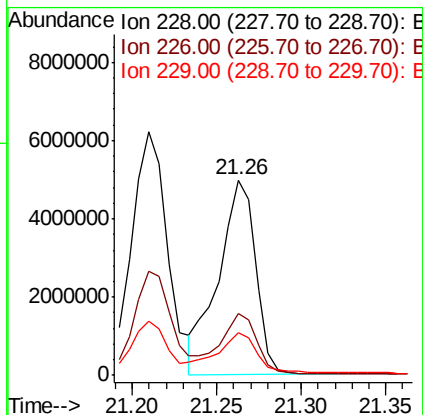
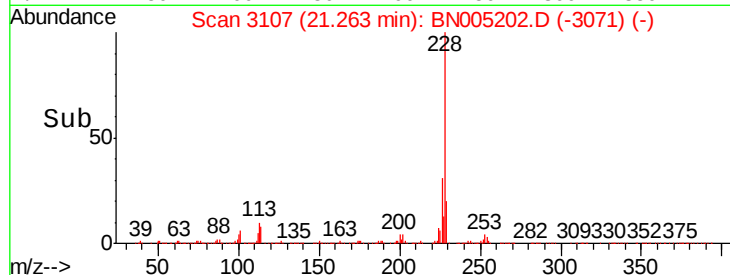
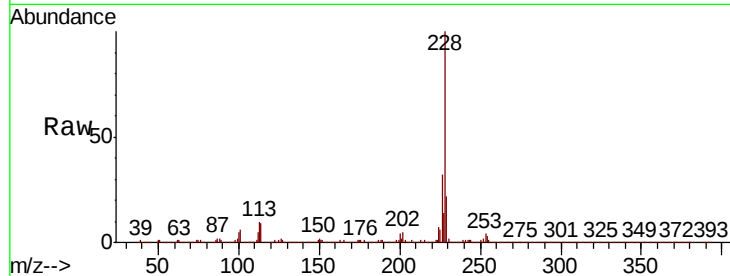
226 31.7 24.0 36.0

229 21.5 15.4 23.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 45.177 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

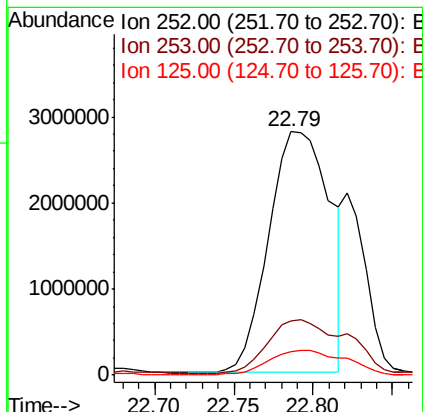
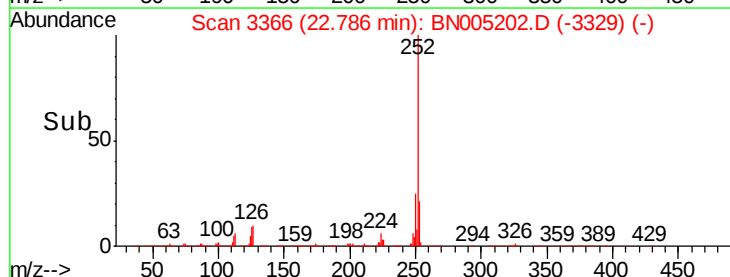
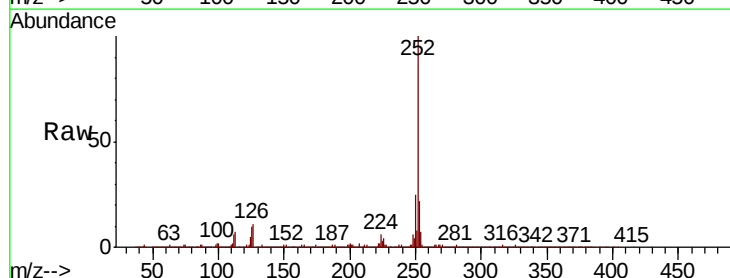
Tgt Ion:252 Resp: 7517581

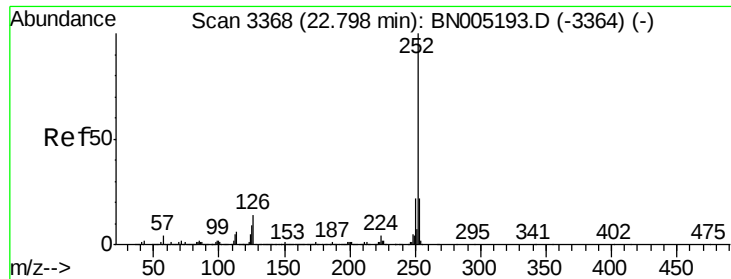
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.8 8.4 12.6





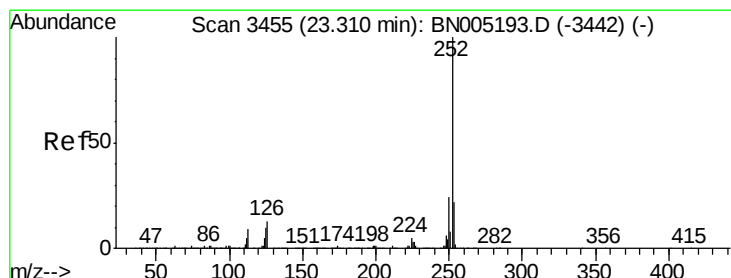
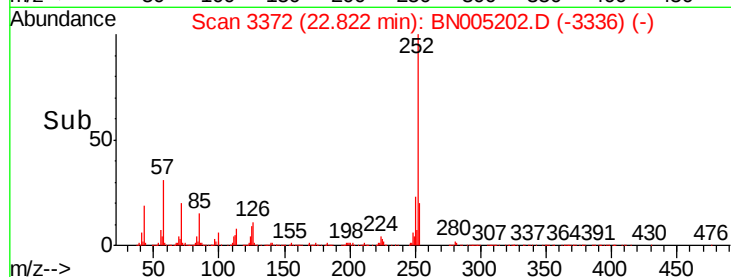
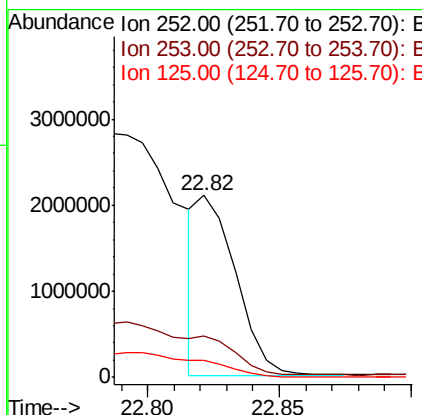
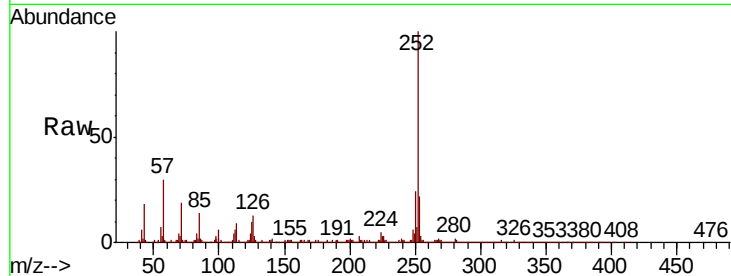
#88
Benzo(k)fluoranthene
Concen: 13.126 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Instrument :
BNA_N
ClientSampleId :
GAHQ8

Tot Ion:252 Resp: 2086069
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 9.6 7.5 11.3

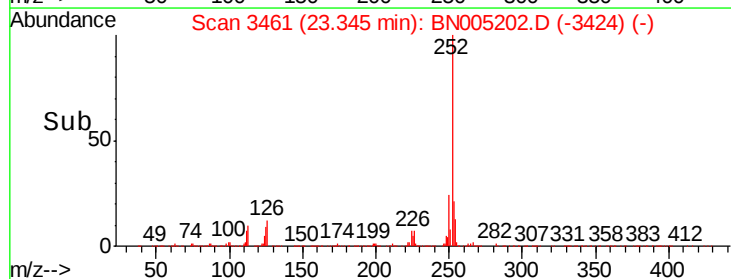
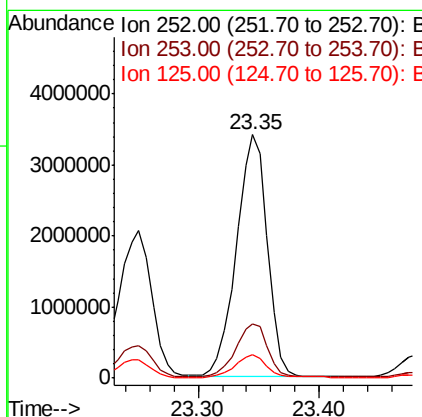
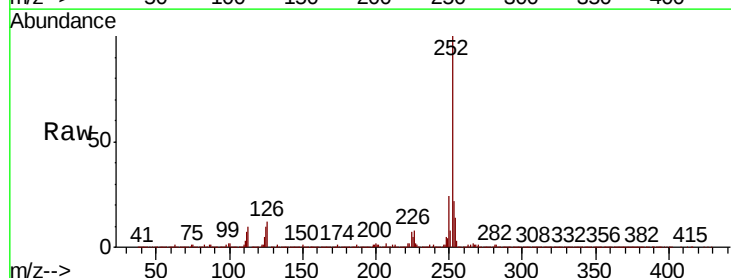
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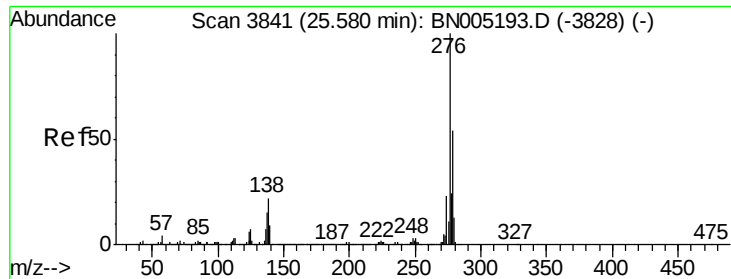
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#90
Benzo(a)pyrene
Concen: 38.672 ng/ul
RT: 23.35 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005202.D
Acq: 23 Apr 2019 07:56

Tgt Ion:252 Resp: 6048726
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 9.6 8.6 13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 18.866 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

Instrument :

BNA_N

ClientSampleId :

GAHQ8

Tot Ion:276 Resp: 3262528

Ion Ratio Lower Upper

276 100

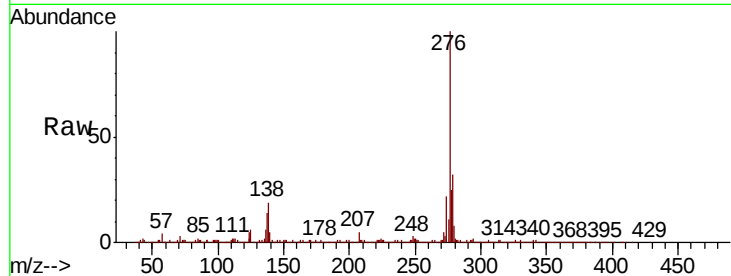
138 18.9 17.9 26.9

277 24.6 19.7 29.5

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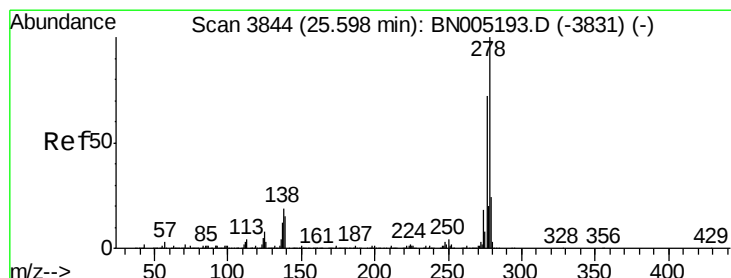
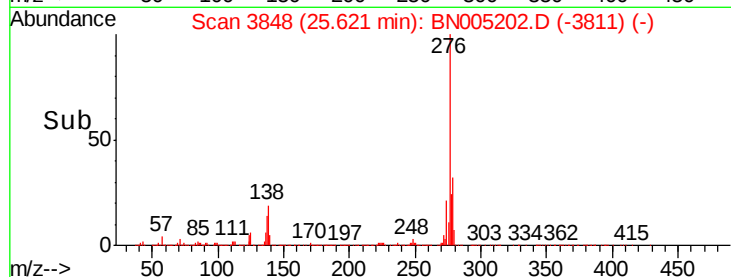
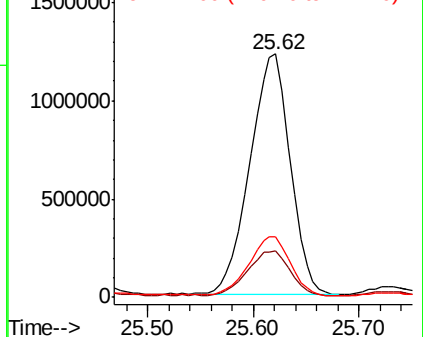


Abundance

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: 7.567 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.00 min

Lab File: BN005202.D

Acq: 23 Apr 2019 07:56

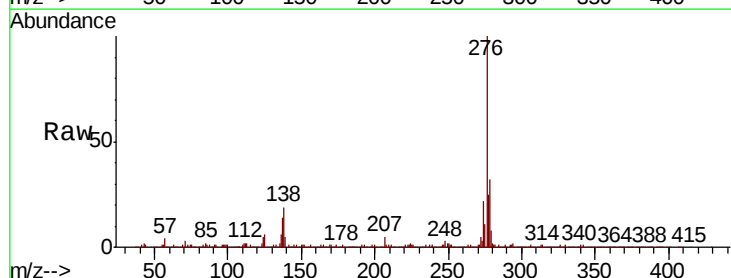
Tgt Ion:278 Resp: 1110508

Ion Ratio Lower Upper

278 100

139 16.8 13.1 19.7

279 25.7 19.4 29.0

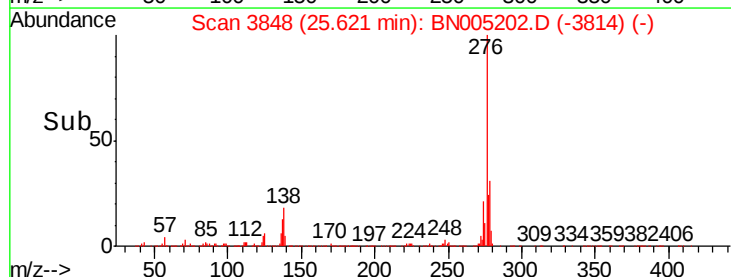
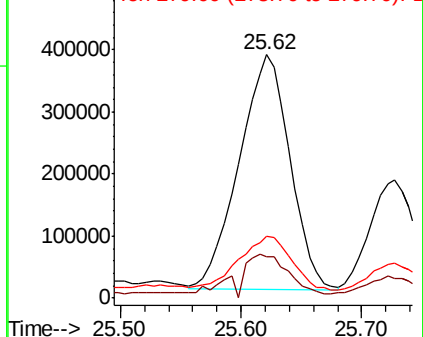


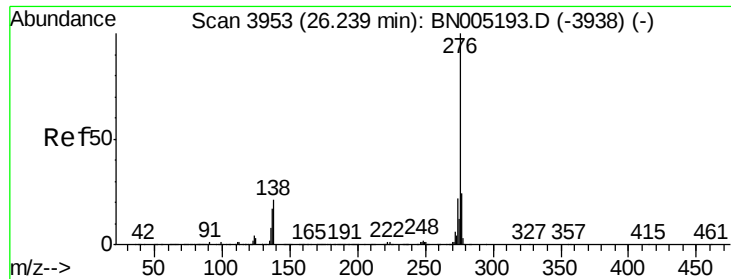
Abundance

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(a,h,i)perylene
 Concen: 14.616 ng/ul
 RT: 26.28 min Scan# 3960
 Delta R.T. 0.02 min
 Lab File: BN005202.D
 Acq: 23 Apr 2019 07:56

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ8

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.7	25.1
277	24.8	18.2	27.2

Manual Integrations
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