

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005443.D
 Acq On : 03 May 2019 07:40
 Operator : JU/SJ
 Sample : K2603-06 30X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ58

Manual Integrations
 APPROVED

mohammad
 5/6/2019 8:31:08 AM

Quant Time: May 06 07:05:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	310560	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1398504	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	883982	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1877643	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1371675	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1380901	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	596m	0.09	ng/uL	0.00
5) Phenol-d5	6.78	99	16489	0.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	10281	0.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	13303m	0.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	14106	0.74	ng/ul	0.01
19) Nitrobenzene-d5	8.75	128	7771	0.90	ng/ul	0.01
22) 2-Nitrophenol-d4	9.45	143	7166	0.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	14670	0.73	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	525	0.03	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	73325	1.14	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	71950	0.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	9550m	0.94	ng/ul	0.04
57) Fluorene-d10	15.23	176	53809	1.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	2184	0.26	ng/ul	0.02
70) Anthracene-d10	17.09	188	77574	0.99	ng/ul	0.01
78) Pyrene-d10	19.40	212	80110	1.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	54332	0.90	ng/ul	0.00

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	12.02	142	206269	4.333	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	2033790	30.878	ng/ul	99
47) Acenaphthylene	13.95	152	11258024	145.350	ng/ul	96
49) Acenaphthene	14.29	153	1236302	23.381	ng/ul	100
53) Dibenzofuran	14.63	168	1455224	19.115	ng/ul	100
58) Fluorene	15.29	166	9173437	154.418	ng/ul	97
64) N-Nitrosodiphenylamine	15.50	169	115381	2.245	ng/ul#	74
69) Phenanthrene	17.03	178	26328674m	287.921	ng/ul	
71) Anthracene	17.13	178	5585036	59.955	ng/ul	99
74) Carbazole	17.39	167	107194	1.340	ng/ul#	83
76) Fluoranthene	19.07	202	16162185	159.345	ng/ul#	95
79) Pyrene	19.43	202	19147333m	216.800	ng/ul	
82) Benzo(a)anthracene	21.20	228	7851844m	92.015	ng/ul	
84) Chrysene	21.26	228	7206833	91.000	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	5211524	67.138	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	1378681m	18.597	ng/ul	
90) Benzo(a)pyrene	23.33	252	3920682m	53.735	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.60	276	2262290	28.044	ng/ul#	95
92) Dibenzo(a,h)anthracene	25.60	278	665579	9.722	ng/ul	98
93) Benzo(g,h,i)perylene	26.27	276	2323110	34.828	ng/ul#	95

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

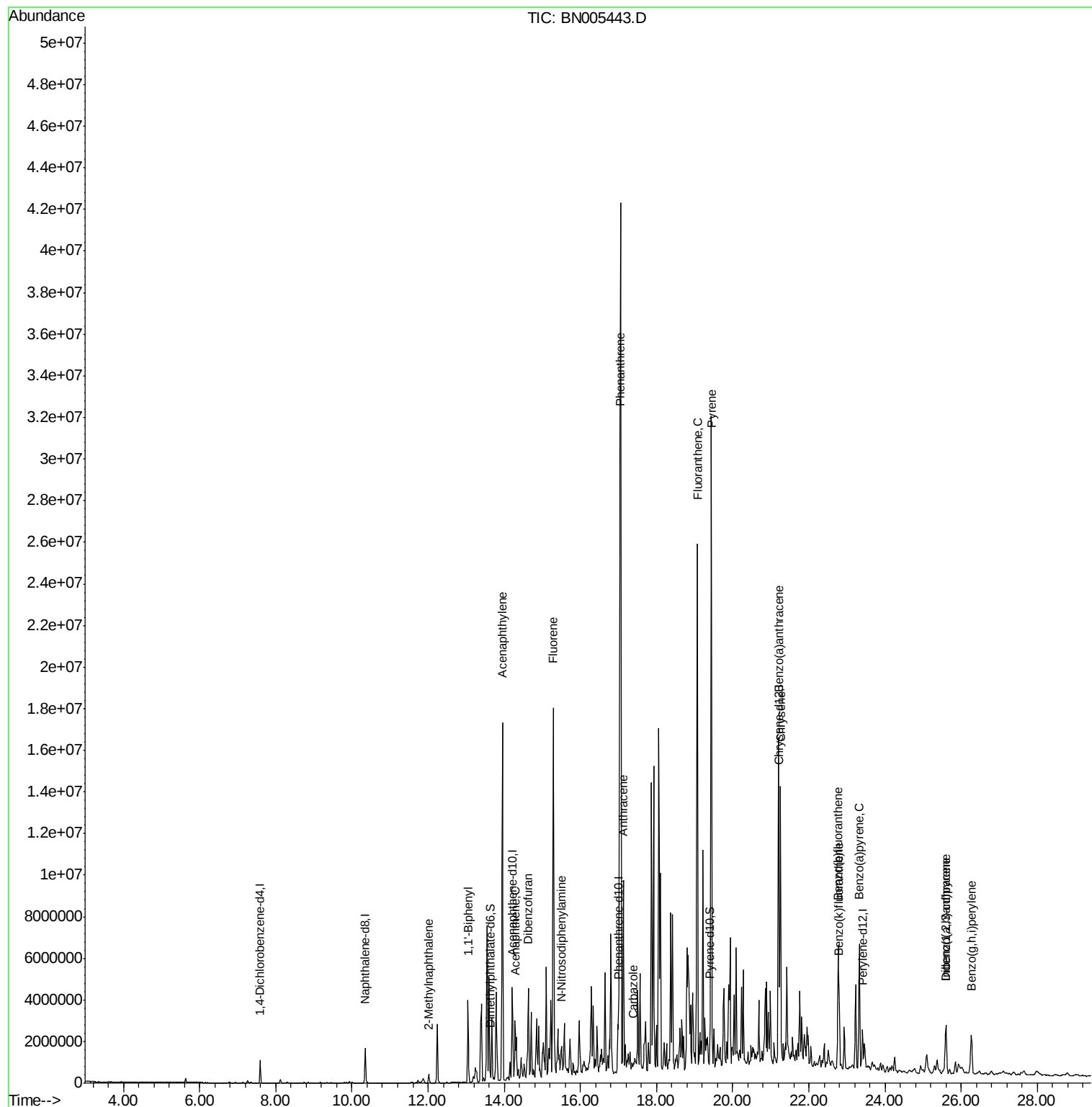
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005443.D
Acq On : 03 May 2019 07:40
Operator : JU/SJ
Sample : K2603-06 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

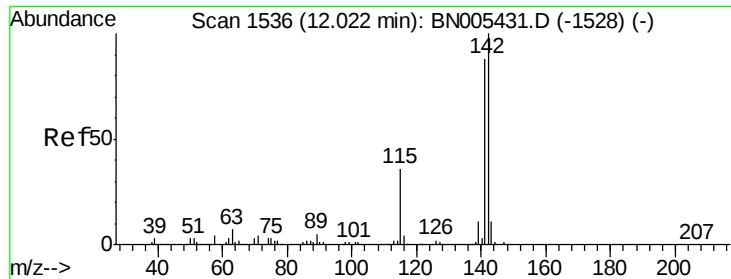
Instrument :
BNA_N
ClientSampleId :
GAJ58

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Quant Time: May 06 07:05:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
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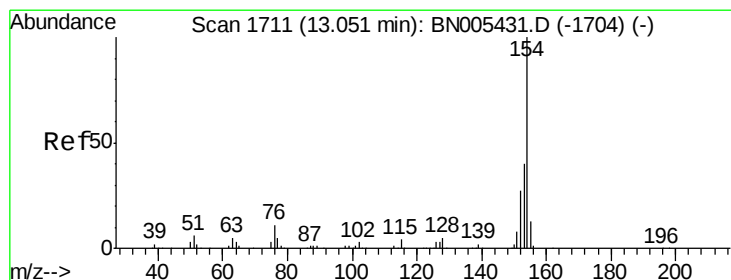
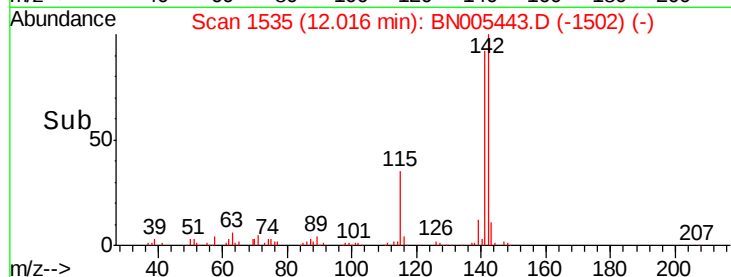
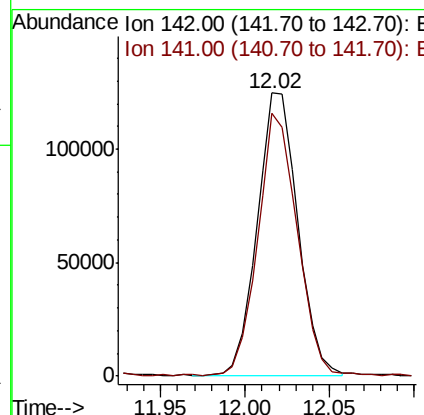
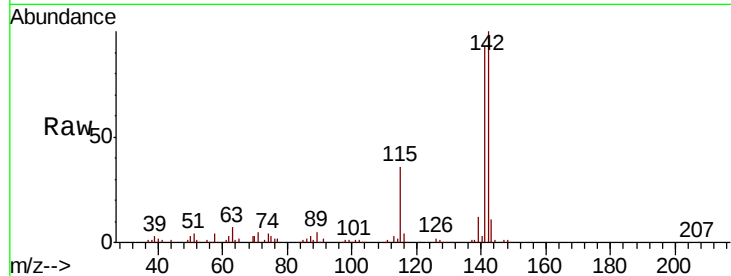
#34
 2-Methylnaphthalene
 Concen: 4.333 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BN005443.D
 Acq: 03 May 2019 07:40

Instrument :
 BNA_N
 ClientSampleId :
 GAJ58

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.0	108.0

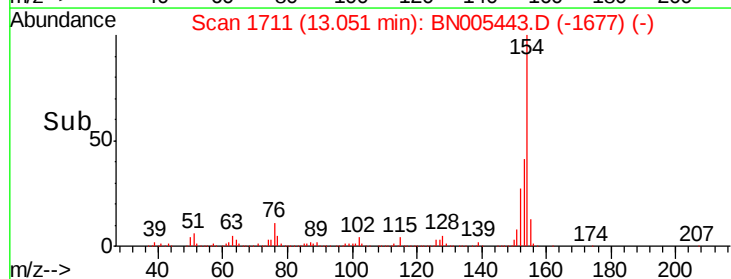
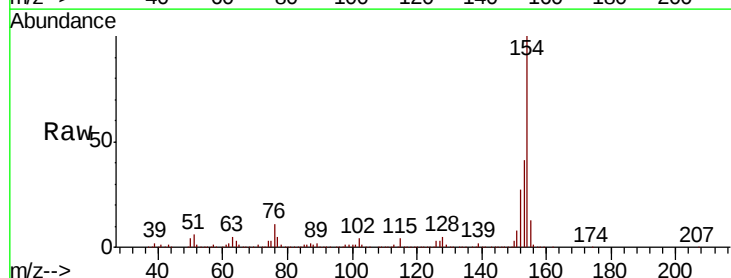
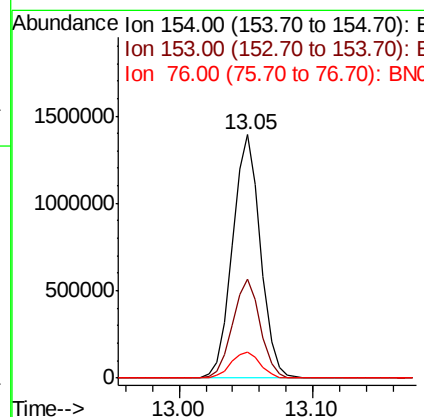
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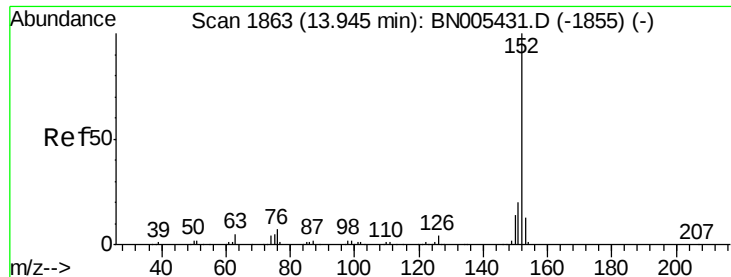
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#40
 1,1'-Biphenyl
 Concen: 30.878 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005443.D
 Acq: 03 May 2019 07:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.6	49.0
76	10.8	10.4	15.6





#47

Acenaphthylene

Concen: 145.350 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Instrument :

BNA_N

ClientSampleId :

GAJ58

Tot Ion:152 Resp:11258024

Ion Ratio Lower Upper

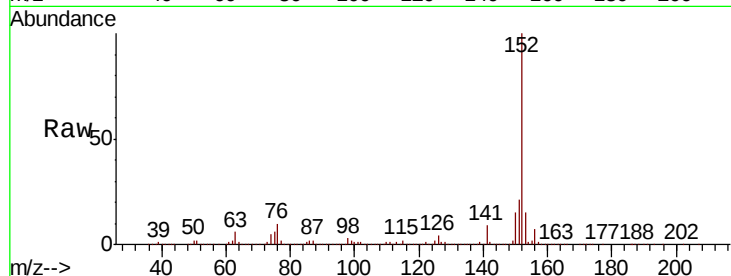
152 100

151 21.3 15.8 23.8

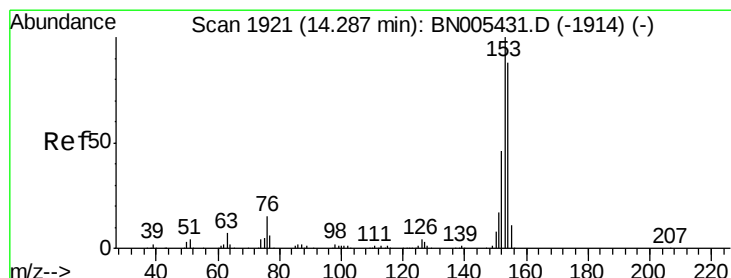
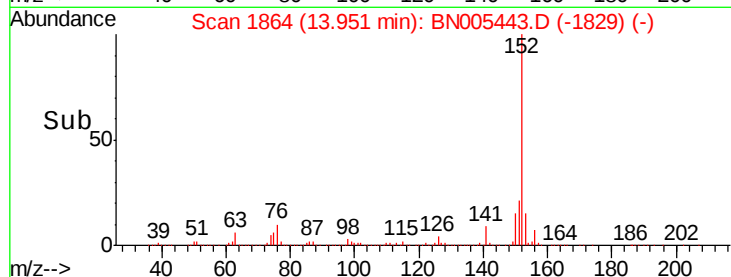
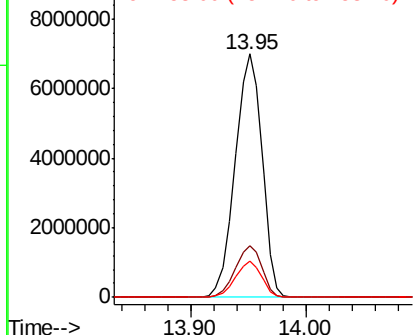
153 14.7 9.8 14.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 23.381 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Tgt Ion:153 Resp: 1236302

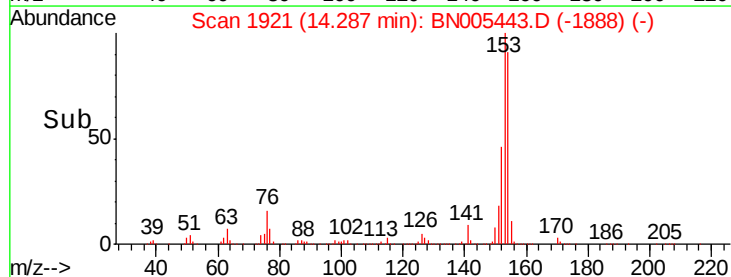
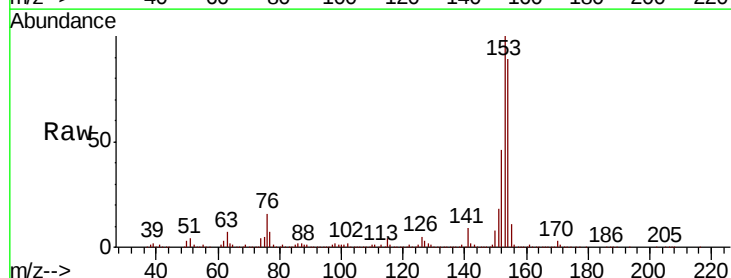
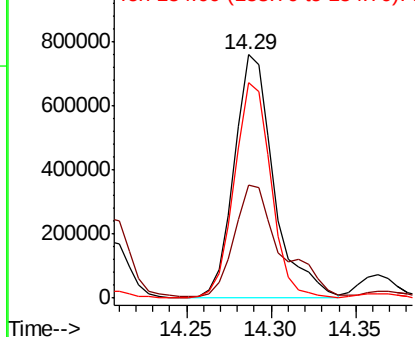
Ion Ratio Lower Upper

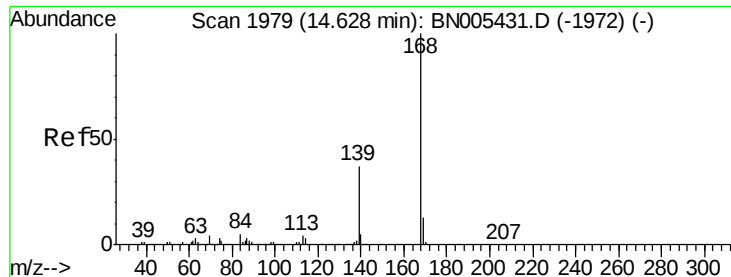
153 100

152 46.4 37.4 56.0

154 88.6 71.2 106.8

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





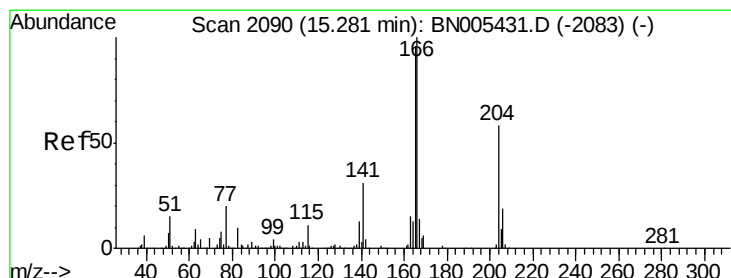
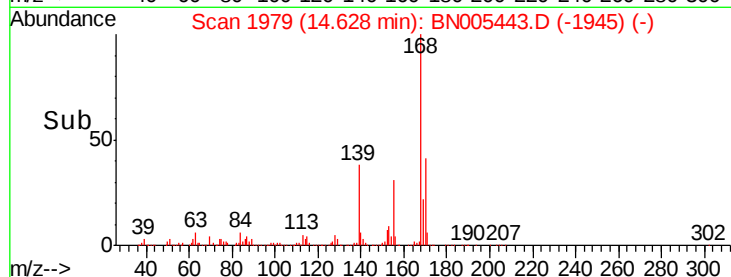
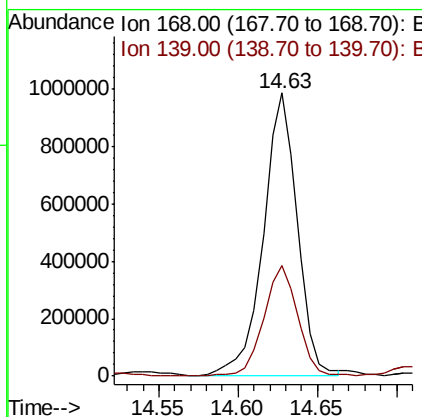
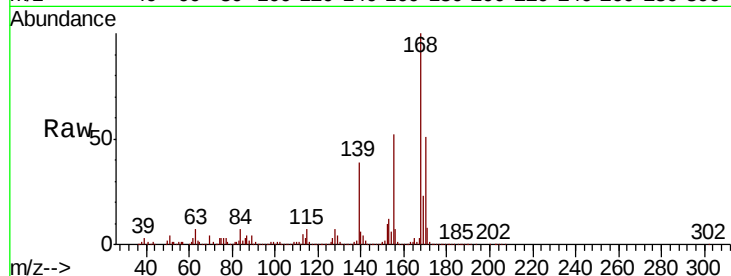
#53
Dibenzenofuran
Concen: 19.115 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Instrument :
BNA_N
ClientSampled :
GAJ58

Tot Ion:168 Resp: 1455224
Ion Ratio Lower Upper
168 100
139 38.9 30.9 46.3

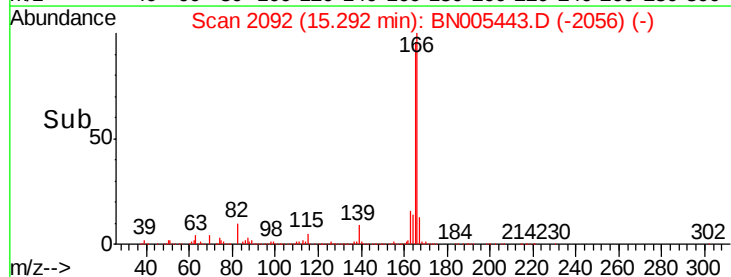
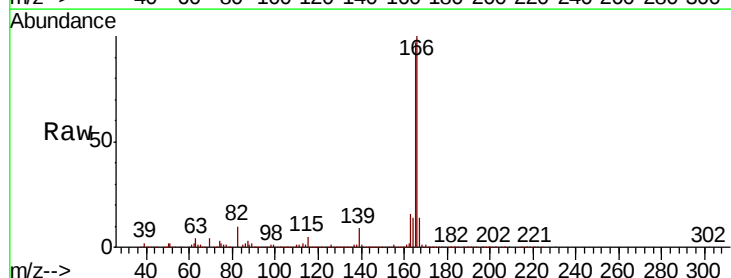
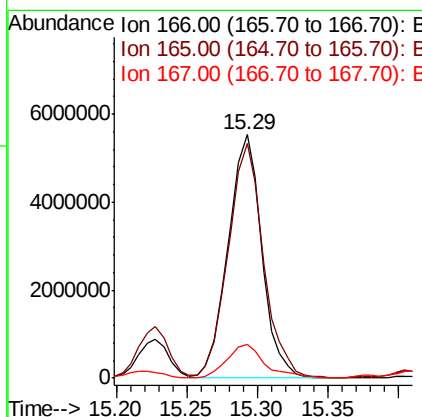
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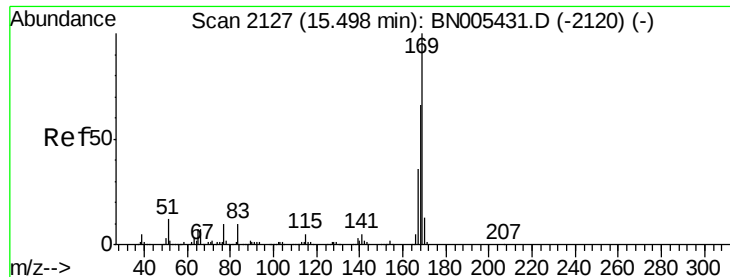
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#58
Fluorene
Concen: 154.418 ng/ul
RT: 15.29 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Tgt Ion:166 Resp: 9173437
Ion Ratio Lower Upper
166 100
165 96.5 80.0 120.0
167 14.0 10.7 16.1





#64

N-Nitrosodiphenylamine

Concen: 2.245 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Instrument :

BNA_N

ClientSampleId :

GAJ58

Tot Ion:169 Resp: 115381

Ion Ratio Lower Upper

169 100

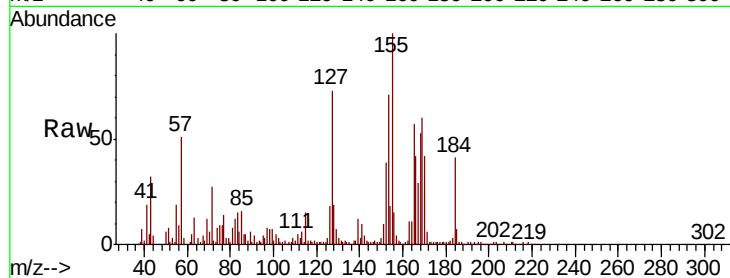
168 87.4 52.2 78.2#

167 47.5 27.7 41.5#

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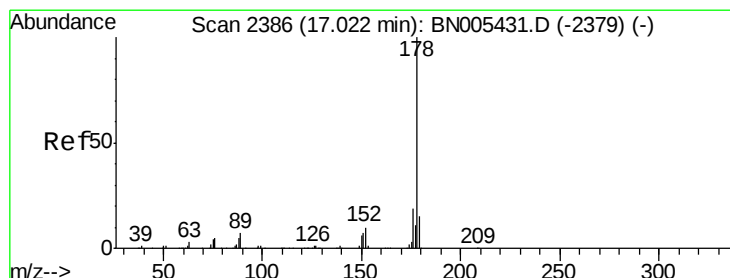
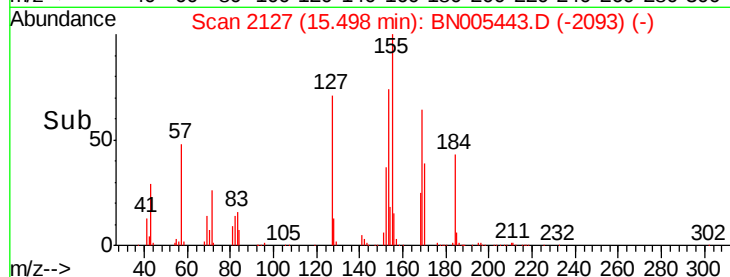
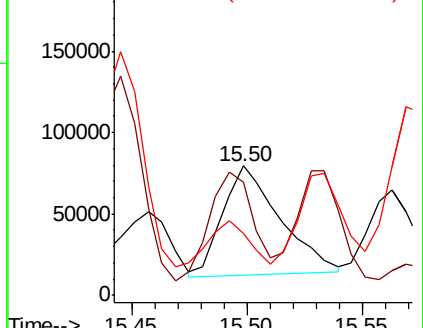
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 287.921 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

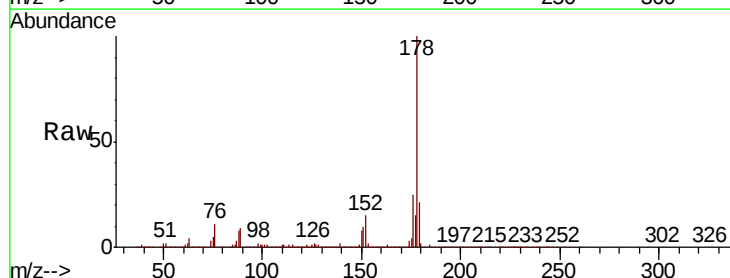
Tgt Ion:178 Resp:26328674

Ion Ratio Lower Upper

178 100

179 21.4 12.2 18.4#

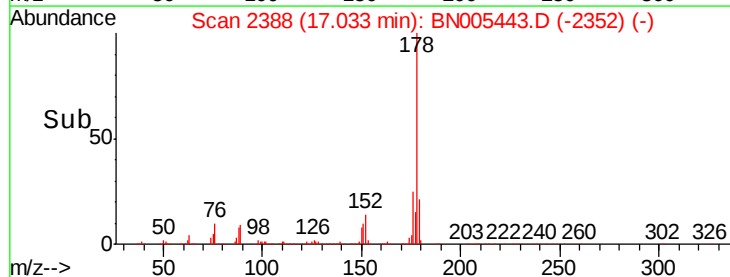
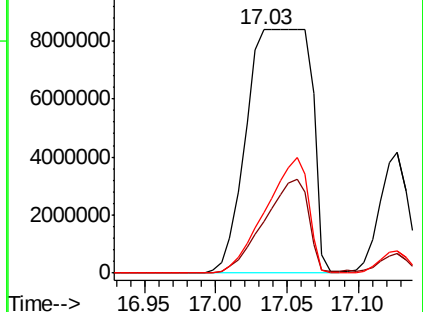
176 25.0 15.1 22.7#

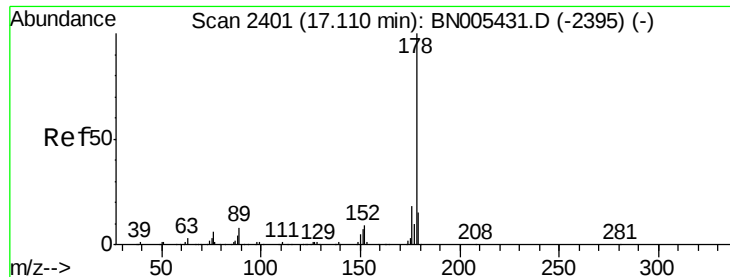


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 59.955 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Instrument :

BNA_N

ClientSampleId :

GAJ58

Tot Ion:178 Resp: 5585036

Ion Ratio Lower Upper

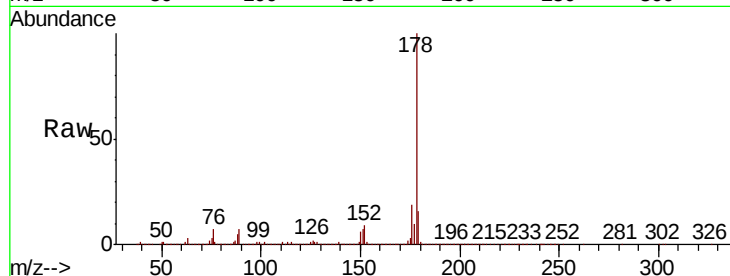
178 100

179 16.0 12.3 18.5

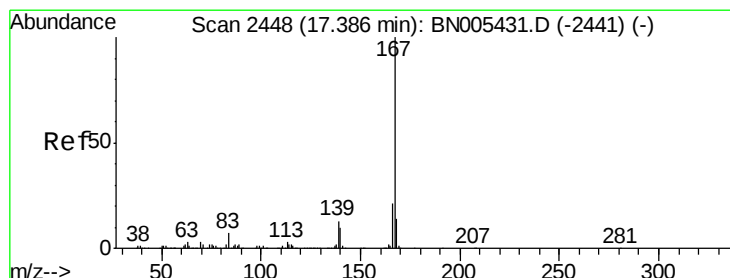
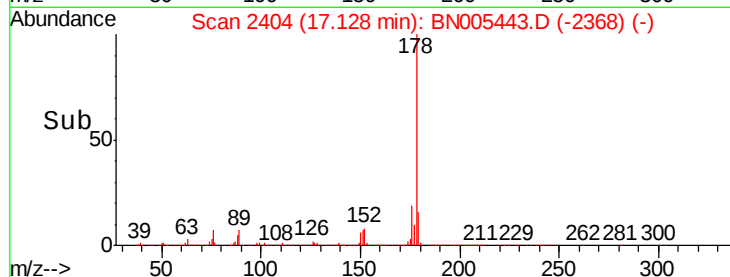
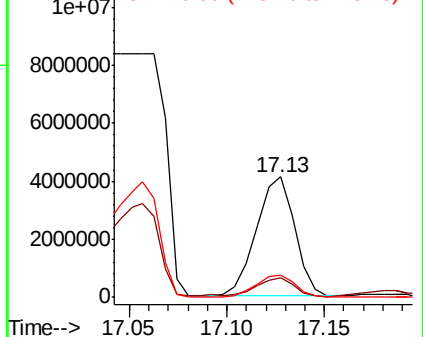
176 18.7 15.1 22.7

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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



#74

Carbazole

Concen: 1.340 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

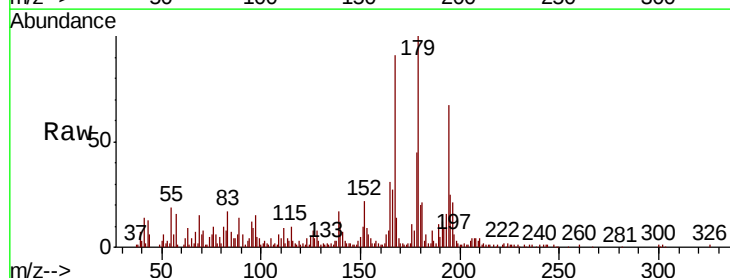
Tgt Ion:167 Resp: 107194

Ion Ratio Lower Upper

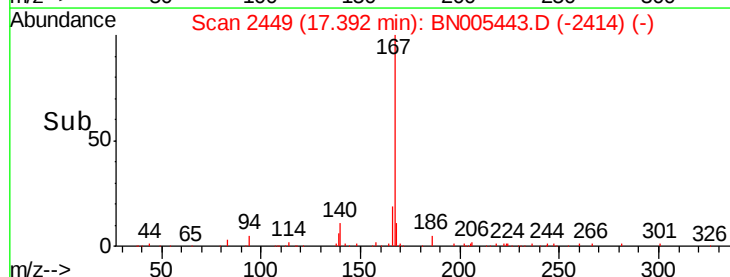
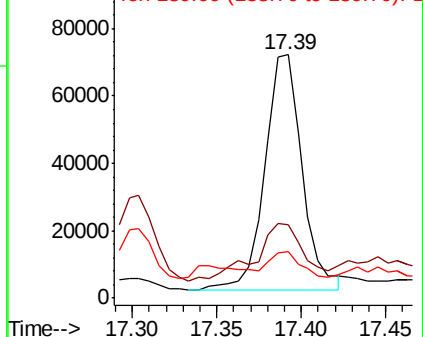
167 100

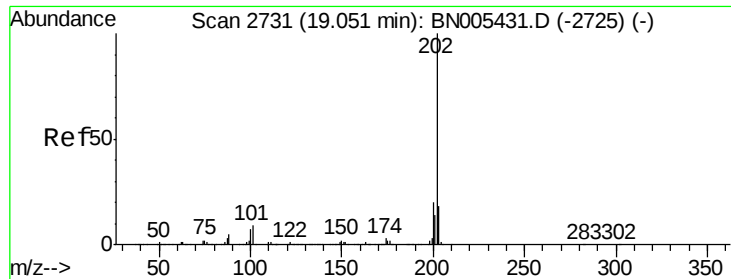
166 30.3 17.2 25.8#

139 19.0 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





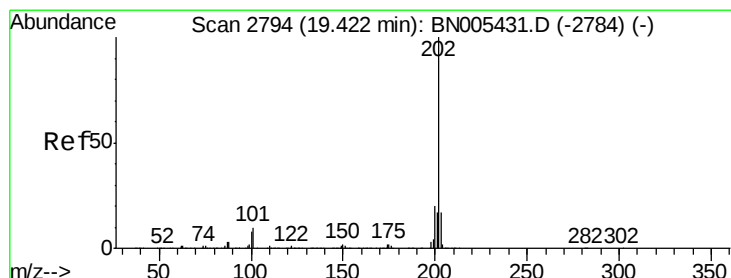
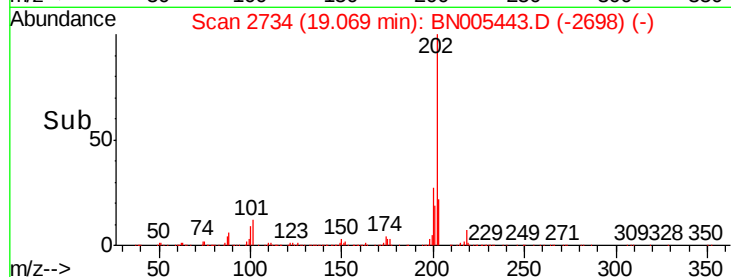
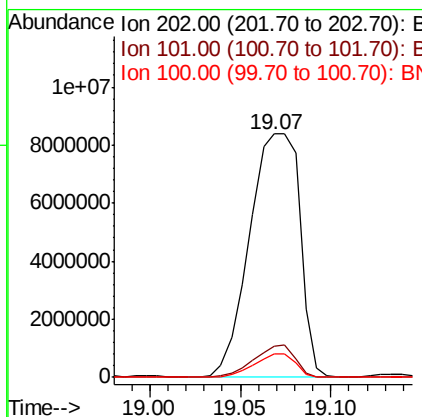
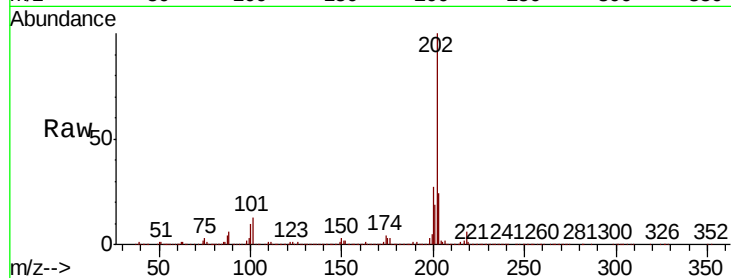
#76
Fluoranthene
Concen: 159.345 ng/ul
RT: 19.07 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Instrument :
BNA_N
ClientSampled :
GAJ58

Tot Ion:202 Resp:16162185
Ion Ratio Lower Upper
202 100
101 12.9 8.6 12.8#
100 9.5 6.3 9.5#

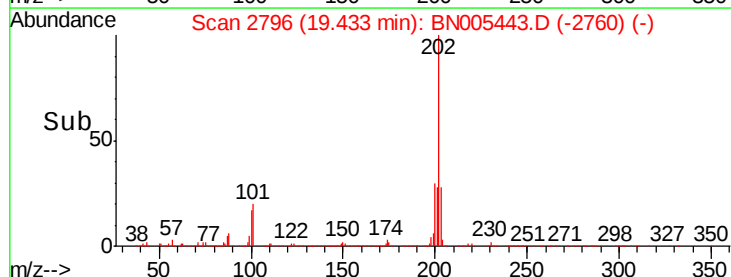
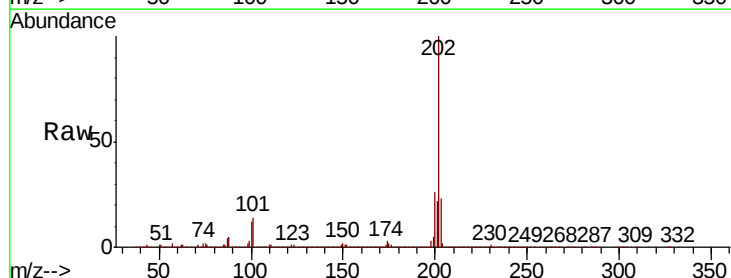
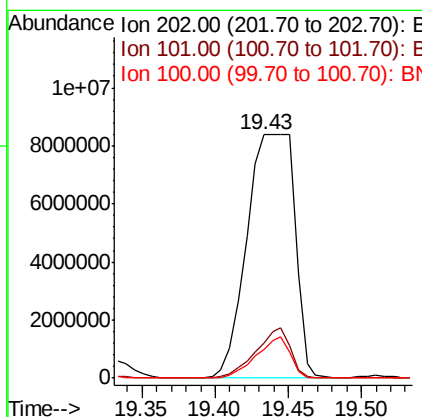
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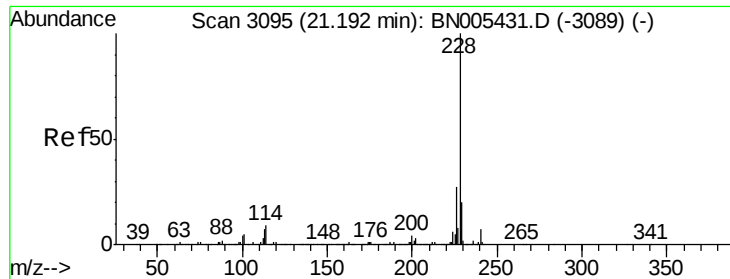
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#79
Pyrene
Concen: 216.800 ng/ul m
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Tgt Ion:202 Resp:19147333
Ion Ratio Lower Upper
202 100
101 14.2 10.3 15.5
100 11.9 7.9 11.9#





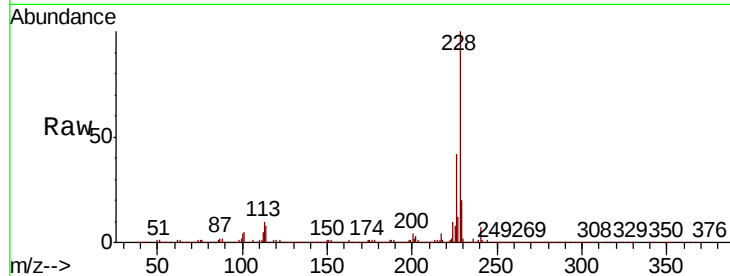
#82
Benzo(a)anthracene
Concen: 92.015 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Instrument :
BNA_N
ClientSampleId :
GAJ58

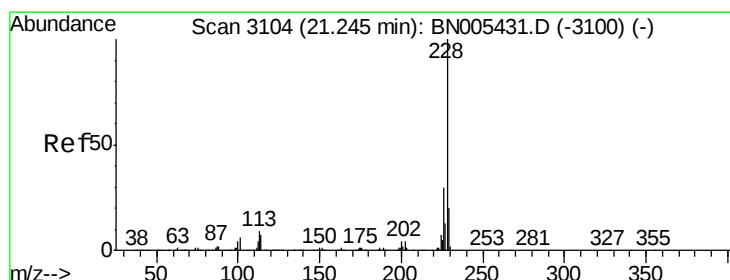
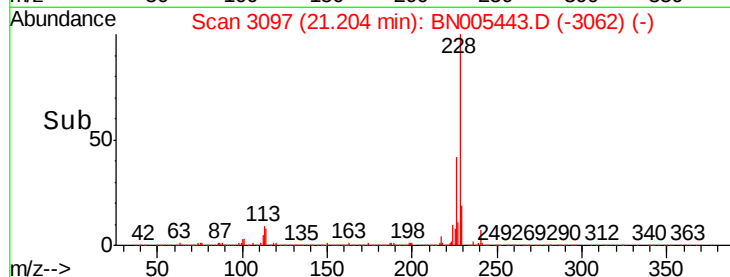
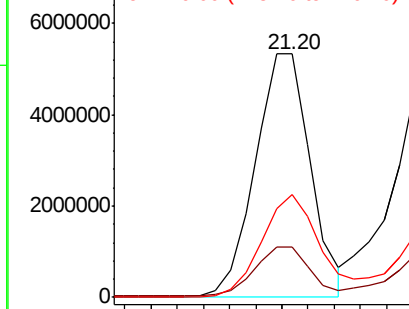
Tot Ion:228 Resp: 7851844
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.6
226 42.0 21.4 32.2#

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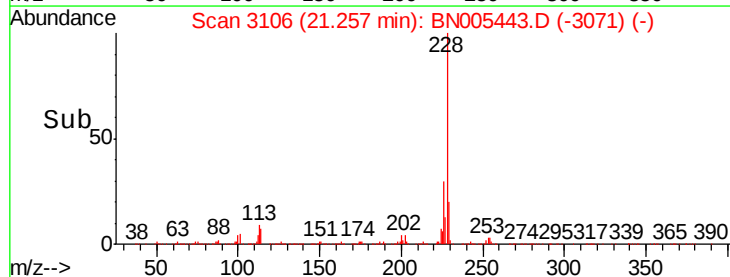
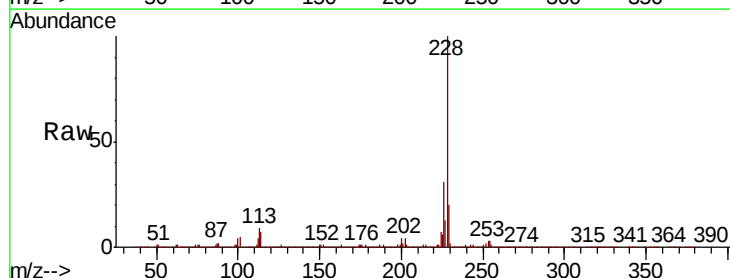
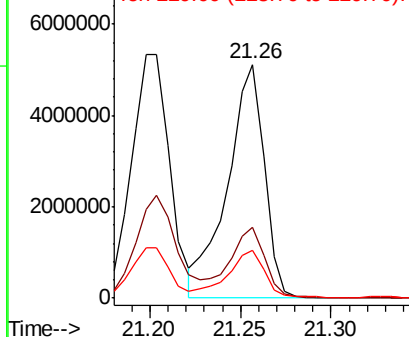
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

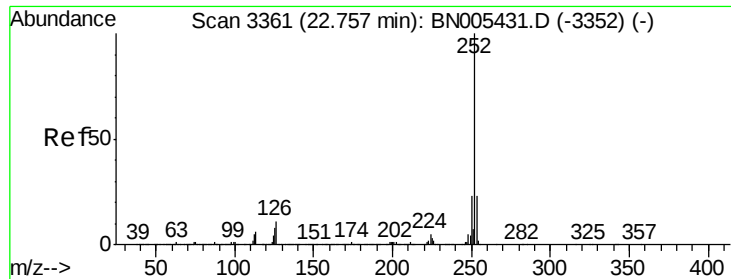


#84
Chrysene
Concen: 91.000 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Tgt Ion:228 Resp: 7206833
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.3 15.4 23.0

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: 67.138 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Instrument :

BNA_N

ClientSampleId :

GAJ58

Tot Ion:252 Resp: 5211524

Ion Ratio Lower Upper

252 100

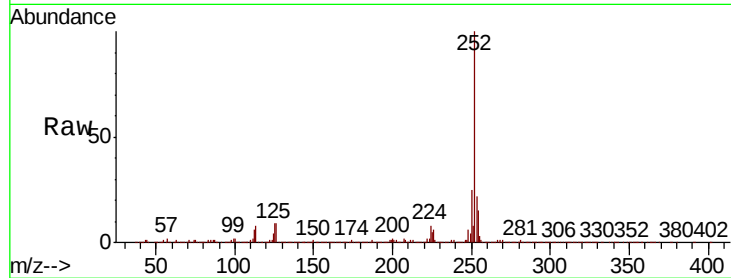
253 22.0 17.7 26.5

125 8.8 8.4 12.6

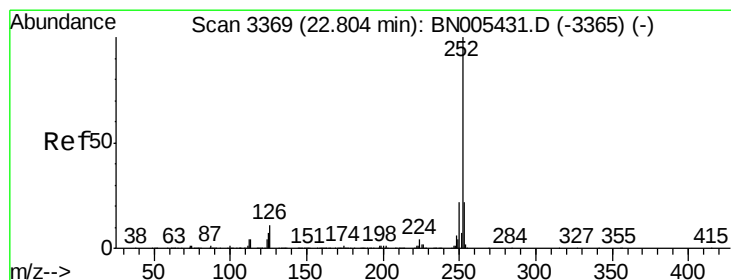
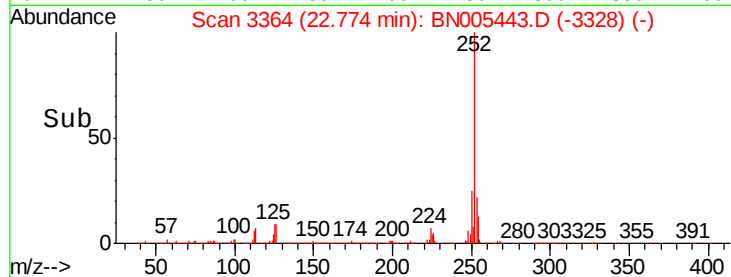
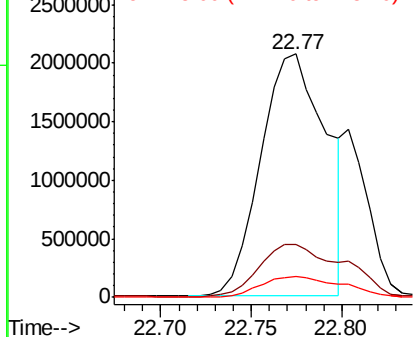
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 18.597 ng/ul m

RT: 22.80 min Scan# 3369

Delta R.T. -0.00 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Tgt Ion:252 Resp: 1378681

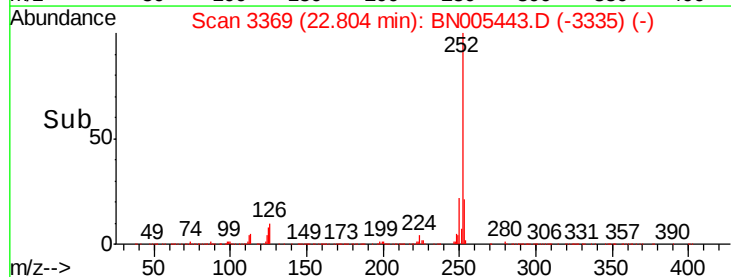
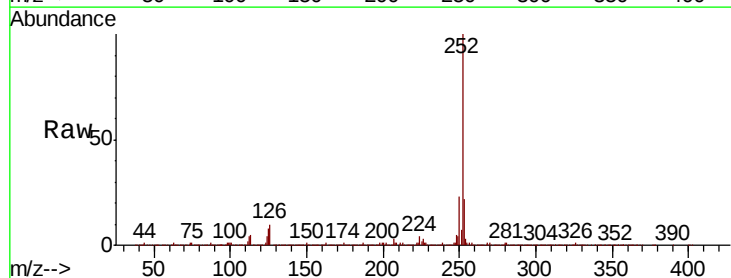
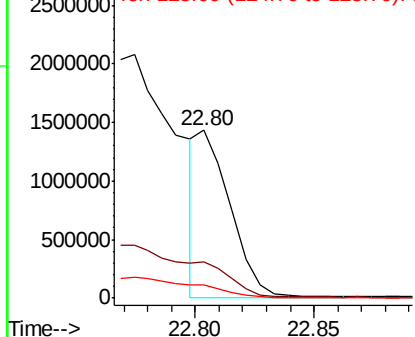
Ion Ratio Lower Upper

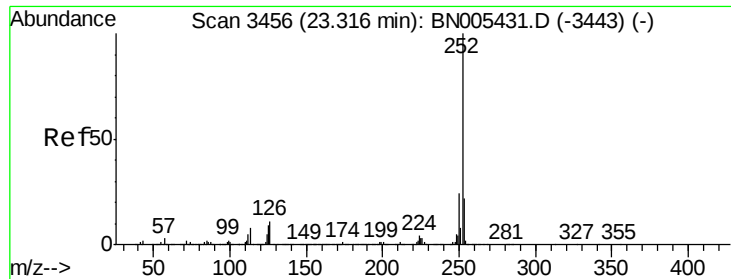
252 100

253 21.7 17.4 26.0

125 7.8 7.5 11.3

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





#90

Benzo(a)pyrene

Concen: 53.735 ng/ul m

RT: 23.33 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Instrument :

BNA_N

ClientSampleId :

GAJ58

Tot Ion:252 Resp: 3920682

Ion Ratio Lower Upper

252 100

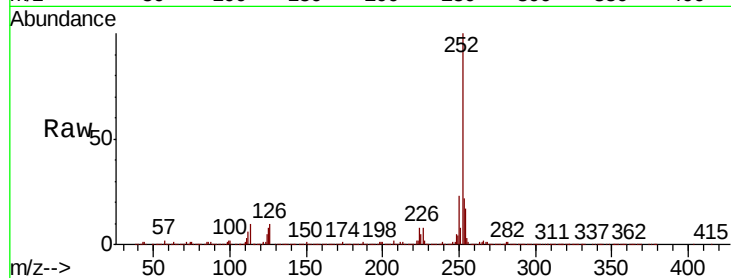
253 22.1 17.3 25.9

125 8.3 8.6 13.0#

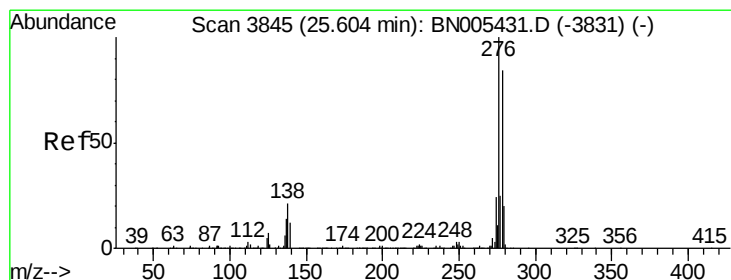
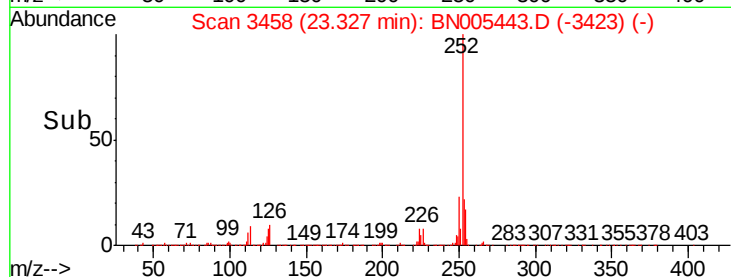
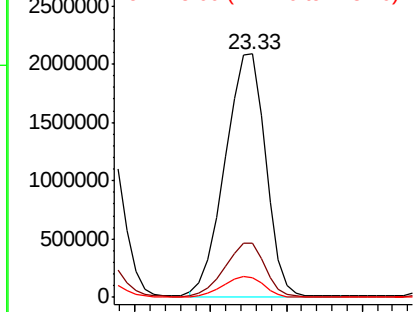
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 28.044 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005443.D

Acq: 03 May 2019 07:40

Tgt Ion:276 Resp: 2262290

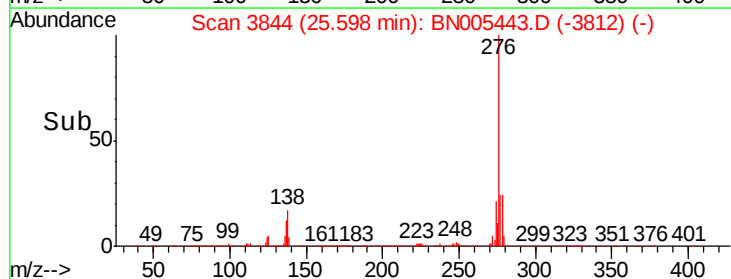
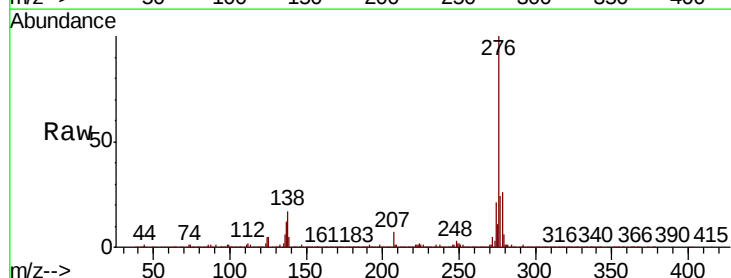
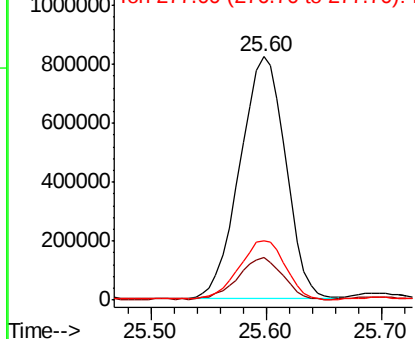
Ion Ratio Lower Upper

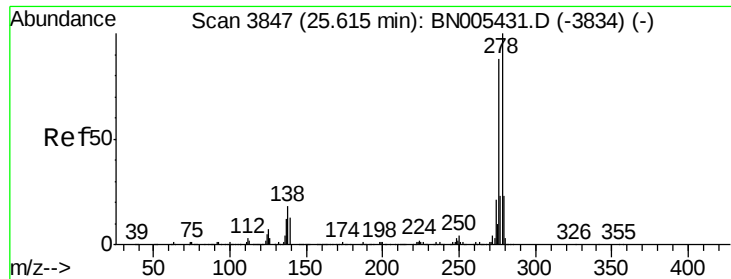
276 100

138 17.3 17.9 26.9#

277 24.5 19.7 29.5

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





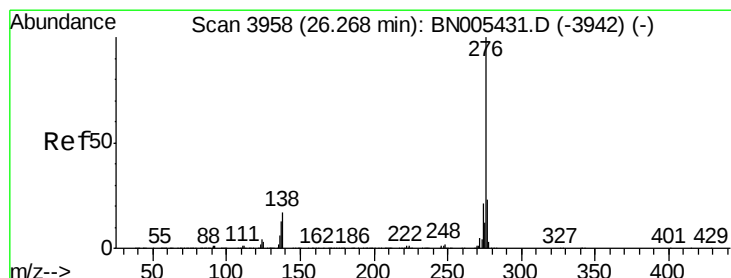
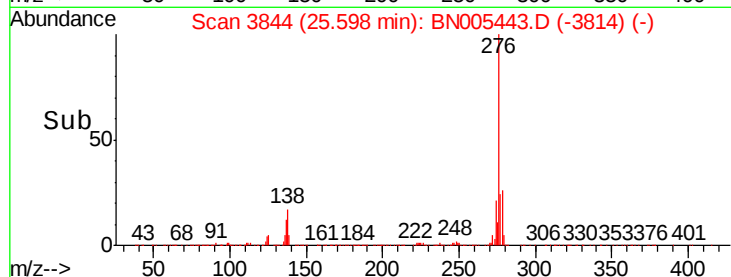
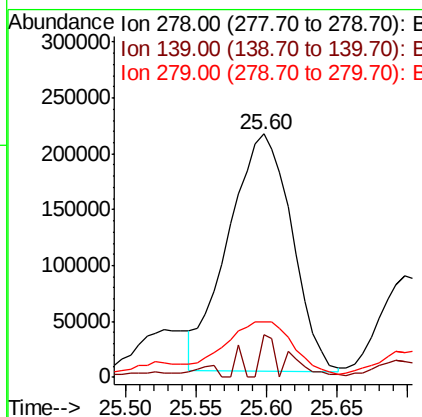
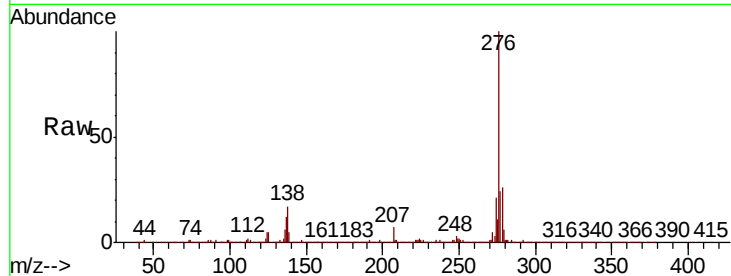
#92
Dibenzo(a,h)anthracene
Concen: 9.722 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Instrument :
BNA_N
ClientSampled :
GAJ58

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.1	19.7
279	23.0	19.4	29.0

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#93
Benzo(g,h,i)perylene
Concen: 34.828 ng/ul
RT: 26.27 min Scan# 3958
Delta R.T. -0.01 min
Lab File: BN005443.D
Acq: 03 May 2019 07:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	16.7	25.1#
277	23.5	18.2	27.2

