

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005596.D
 Acq On : 10 May 2019 19:40
 Operator : JU/SJ
 Sample : K2603-19ME
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ71ME

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:18 AM

Quant Time: May 10 23:45:08 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	7.58	152	188404	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	768299	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	464948	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	919094	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	695783	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	731370	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	15087	3.87	ng/uL	0.00
5) Phenol-d5	6.77	99	328714	22.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	194918	21.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	274581	24.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	272978	23.60	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	153182	32.39	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.44	143	169828	35.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	296798	27.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	413549m	36.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	932868	27.64	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1106756	26.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	104384	19.59	ng/ul	0.00
57) Fluorene-d10	15.22	176	774169	27.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	71657	17.33	ng/ul	0.01
70) Anthracene-d10	17.08	188	1123573	29.16	ng/ul	0.00
78) Pyrene-d10	19.39	212	1114500	31.31	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	894984	28.00	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.79	94	23336	1.533	ng/ul	94
11) 2-Methylphenol	8.03	108	28421	2.492	ng/ul	94
14) Acetophenone	8.38	105	49211m	2.658	ng/ul	
16) 4-Methylphenol	8.35	108	27439	2.228	ng/ul	90
28) Naphthalene	10.41	128	19766739m	553.427	ng/ul	
34) 2-Methylnaphthalene	12.04	142	15477551	591.822	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	1622916	46.847	ng/ul#	98
44) Dimethylphthalate	13.68	163	77864	2.315	ng/ul#	97
47) Acenaphthylene	13.95	152	5310493	130.355	ng/ul#	95
49) Acenaphthene	14.29	153	651226	23.415	ng/ul	99
53) Dibenzofuran	14.62	168	1451602	36.251	ng/ul	99
58) Fluorene	15.28	166	3771918	120.717	ng/ul	97
69) Phenanthrene	17.03	178	13802850	308.365	ng/ul	96
71) Anthracene	17.12	178	3107827	68.157	ng/ul	99
74) Carbazole	17.38	167	327113	8.351	ng/ul	97
76) Fluoranthene	19.06	202	4231041	85.219	ng/ul#	95
79) Pyrene	19.42	202	5146590	114.881	ng/ul	95
82) Benzo(a)anthracene	21.20	228	1705301	39.397	ng/ul	93
84) Chrysene	21.25	228	1486441	37.002	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	1037795	25.243	ng/ul	97
88) Benzo(k)fluoranthene	22.81	252	348652m	8.880	ng/ul	
90) Benzo(a)pyrene	23.33	252	1009571m	26.125	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.61	276	406016	9.503	ng/ul#	94

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.61	278	133988	3.695	ng/ul#	81
93) Benzo(g,h,i)perylene	26.27	276	349940	9.906	ng/ul	95

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

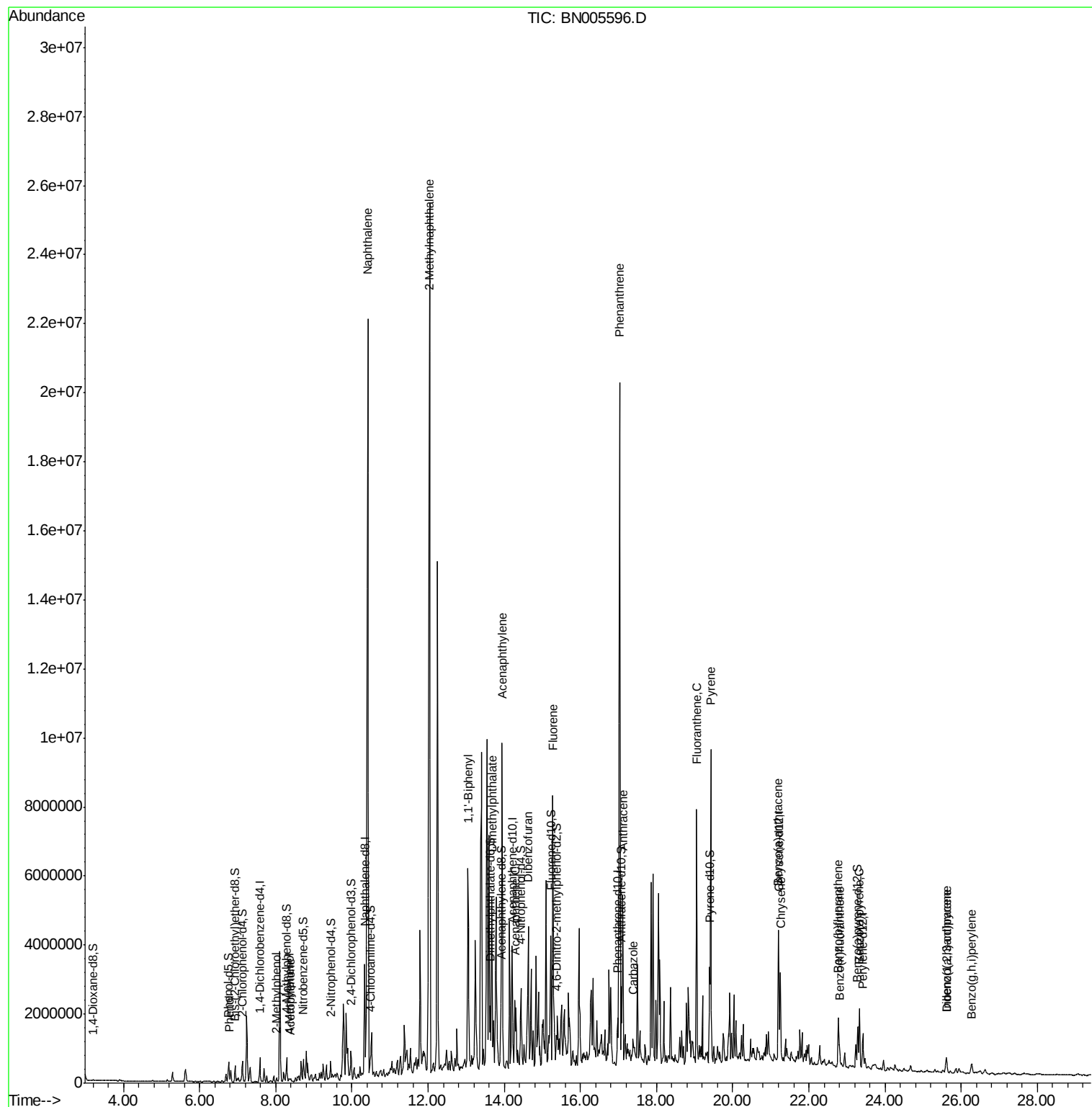
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
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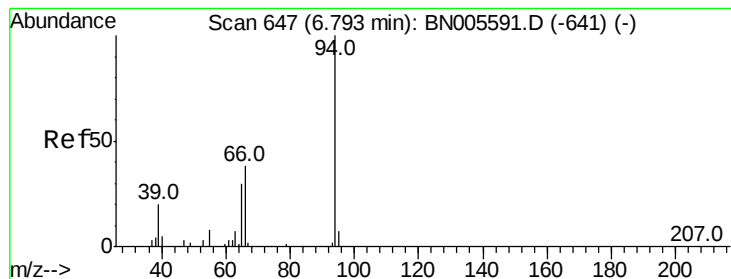
Instrument :
BNA_N
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#6

Phenol

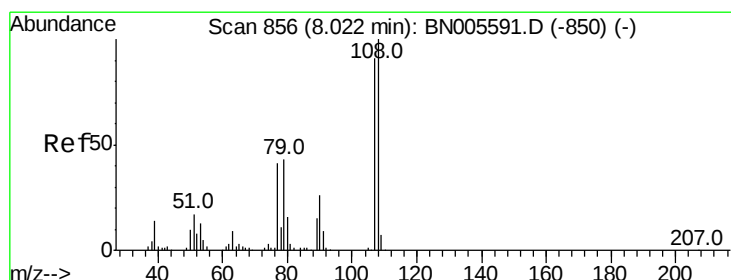
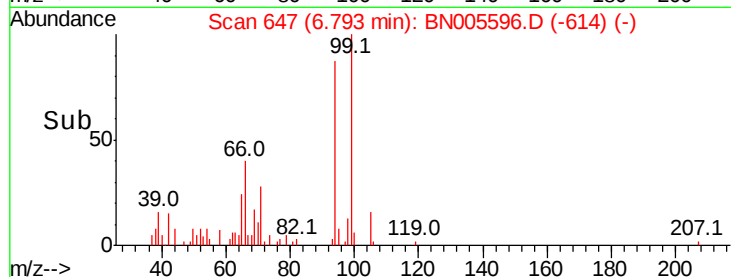
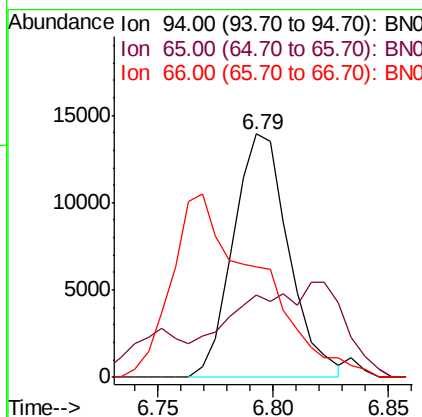
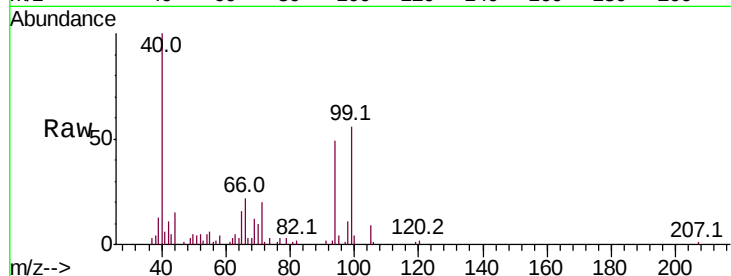
Concen: 1.533 ng/ul
 RT: 6.79 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BN005596.D
 Acq: 10 May 2019 19:40

Instrument :
 BNA_N
 ClientSampleId :
 GAJ71ME

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.6	24.2	36.4
66	45.6	33.8	50.6

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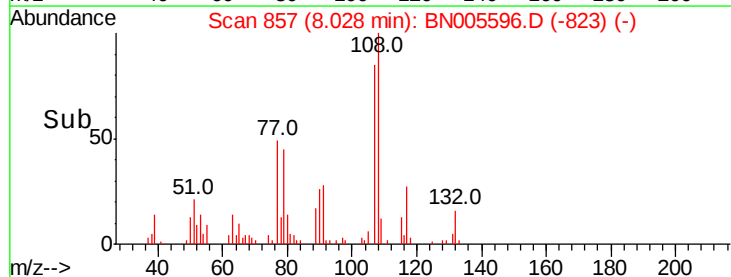
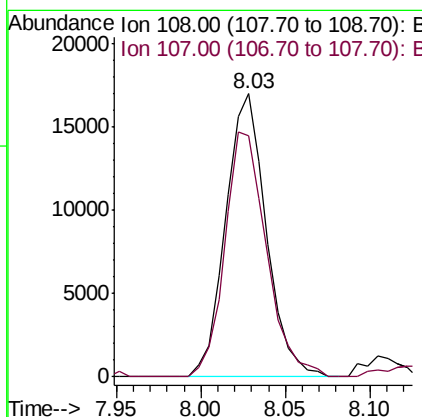
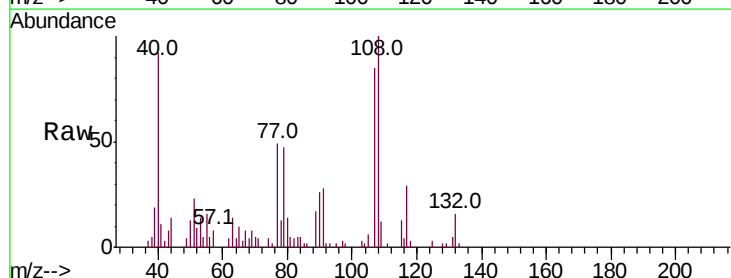


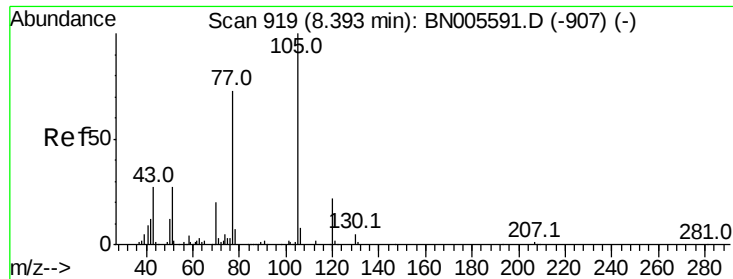
#11

2-Methylphenol

Concen: 2.492 ng/ul
 RT: 8.03 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BN005596.D
 Acq: 10 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
108	100		
107	85.3	72.9	109.3





#14

Acetophenone

Concen: 2.658 ng/ul m

RT: 8.38 min Scan# 916

Delta R.T. -0.02 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

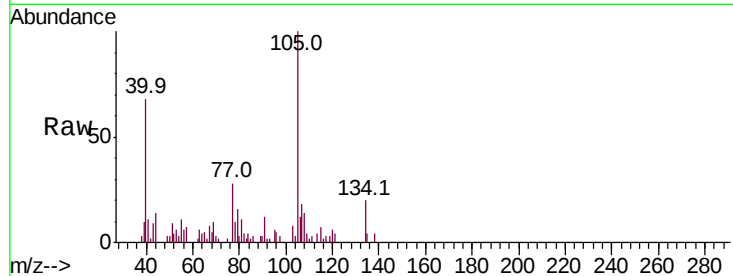
ClientSampleId :

GAJ71ME

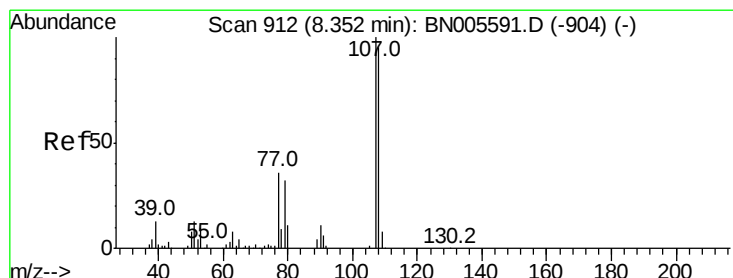
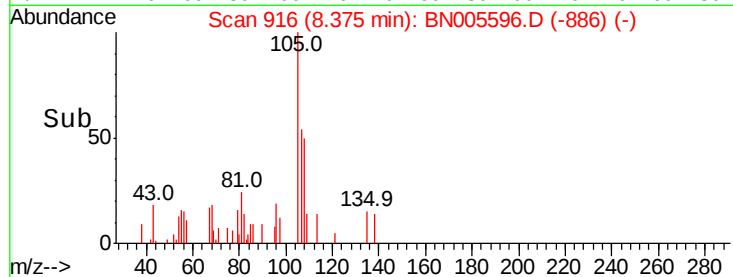
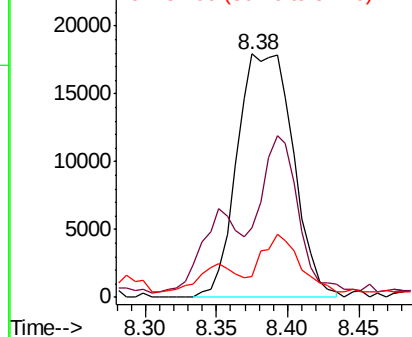
Tot Ion:	105	Resp:	49211
Ion Ratio	Lower	Upper	
105	100		
77	28.4	63.4	95.0#
51	8.8	24.2	36.4#

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Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 51.00 (50.70 to 51.70): BNC



#16

4-Methylphenol

Concen: 2.228 ng/ul

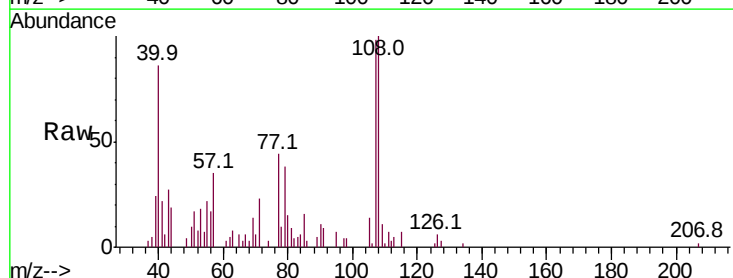
RT: 8.35 min Scan# 912

Delta R.T. -0.00 min

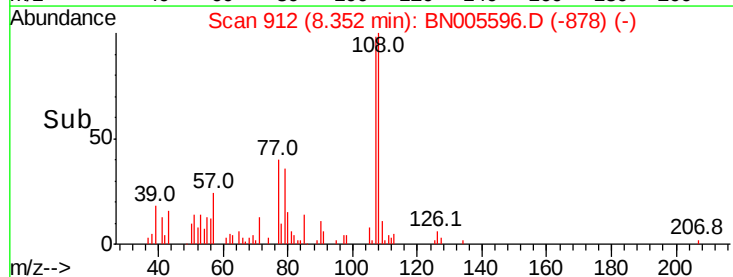
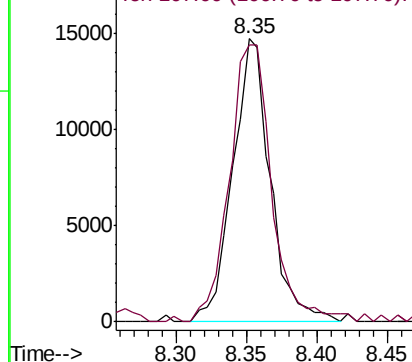
Lab File: BN005596.D

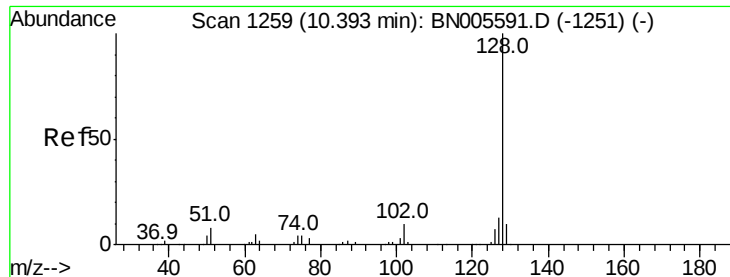
Acq: 10 May 2019 19:40

Tgt Ion:	108	Resp:	27439
Ion Ratio	Lower	Upper	
108	100		
107	97.7	86.1	129.1



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





#28

Naphthalene

Concen: 553.427 ng/ul m

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampleId :

GAJ71ME

Tot Ion:128 Resp:19766739

Ion Ratio Lower Upper

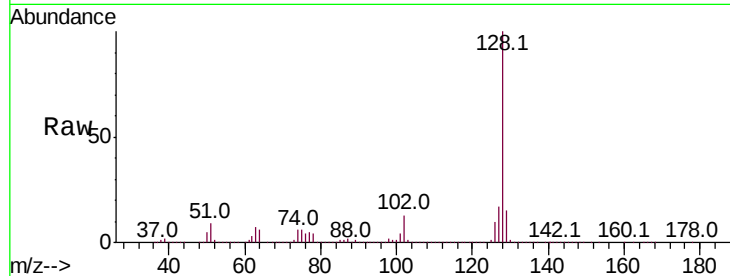
128 100

129 14.7 9.2 13.8#

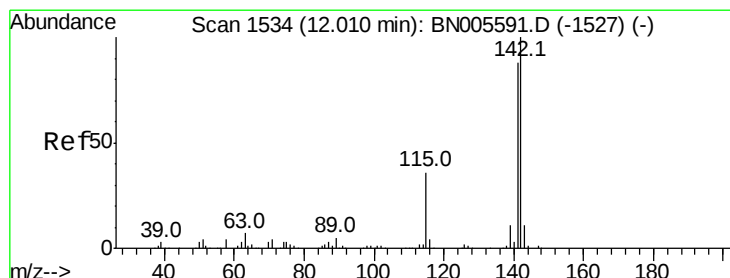
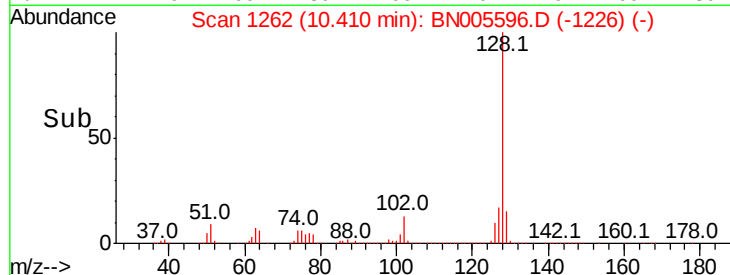
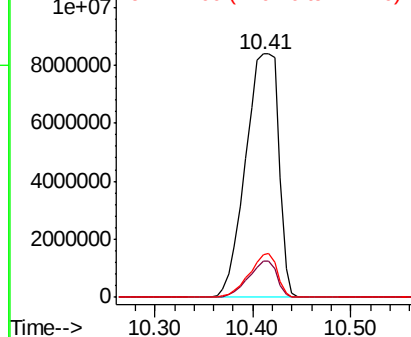
127 17.4 10.7 16.1#

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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: 591.822 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BN005596.D

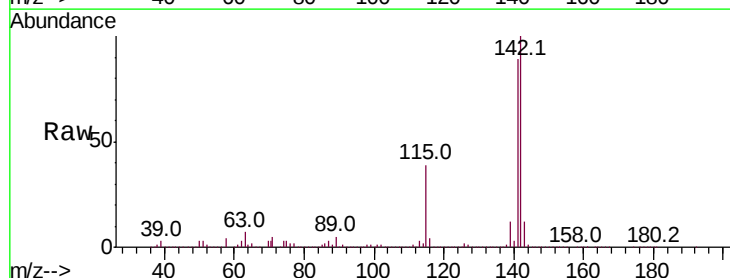
Acq: 10 May 2019 19:40

Tgt Ion:142 Resp:15477551

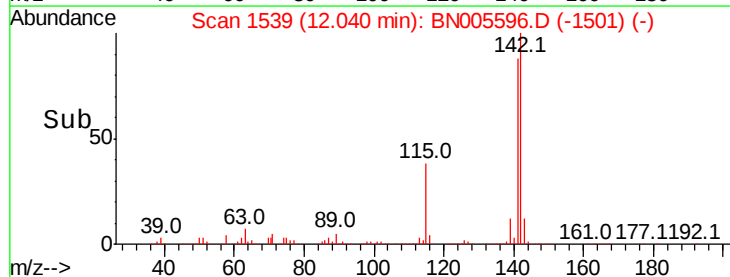
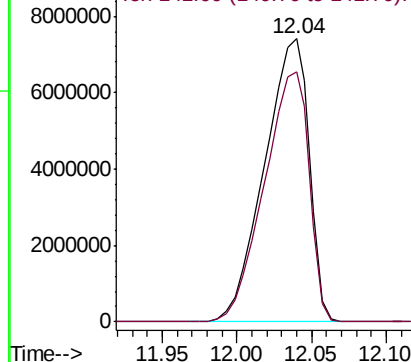
Ion Ratio Lower Upper

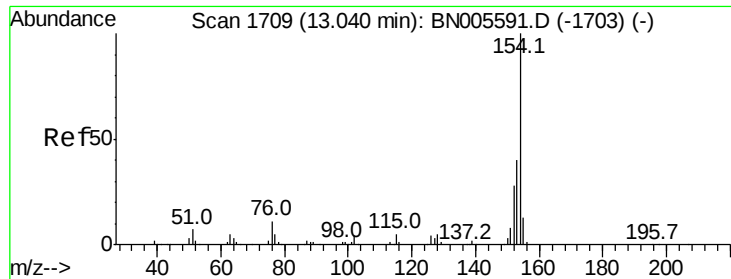
142 100

141 88.5 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: 46.847 ng/ul

RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampleId :

GAJ71ME

Tot Ion:154 Resp: 1622916

Ion Ratio Lower Upper

154 100

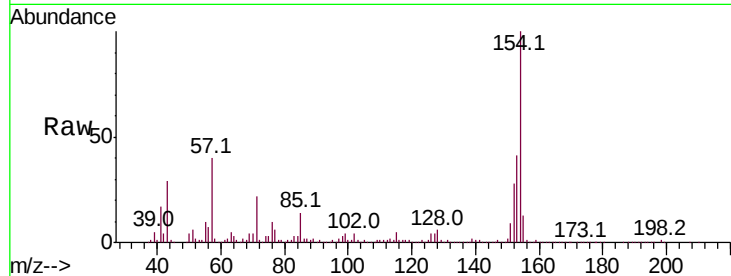
153 41.3 32.6 49.0

76 10.3 10.4 15.6#

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Abundance Ion 154.00 (153.70 to 154.70): E

1500000 Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

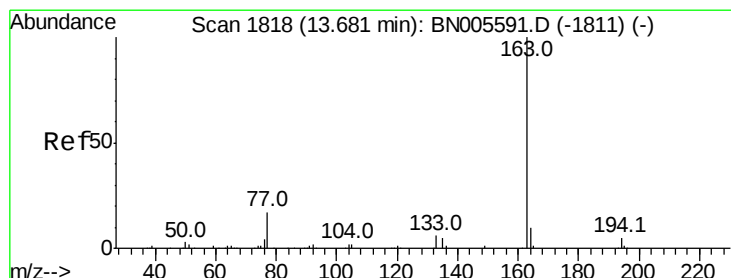
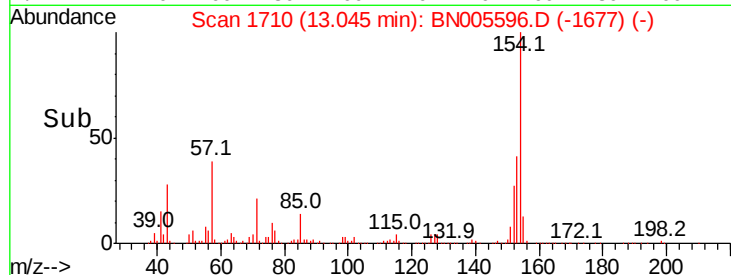
1000000

500000

0

13.05

Time-->



#44

Dimethylphthalate

Concen: 2.315 ng/ul

RT: 13.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

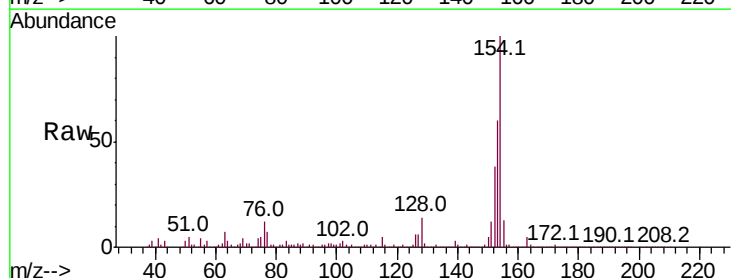
Tgt Ion:163 Resp: 77864

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.0#

164 11.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

80000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

60000

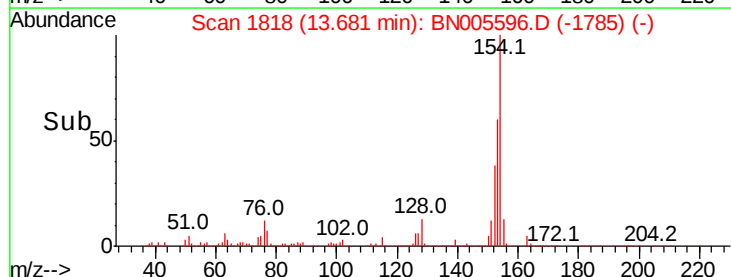
40000

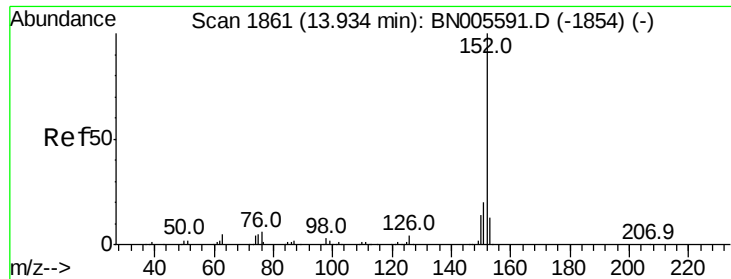
20000

0

13.68

Time-->





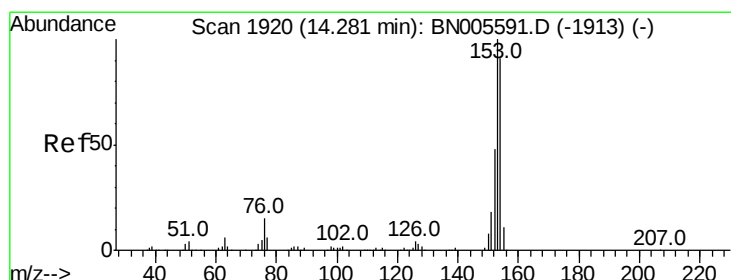
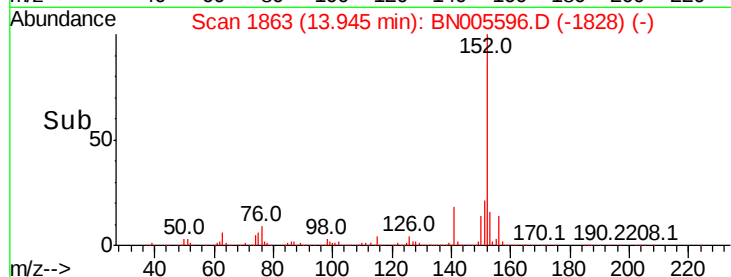
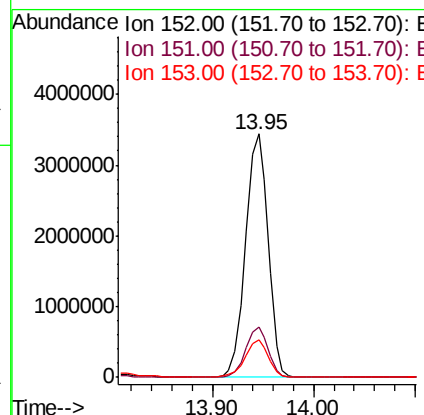
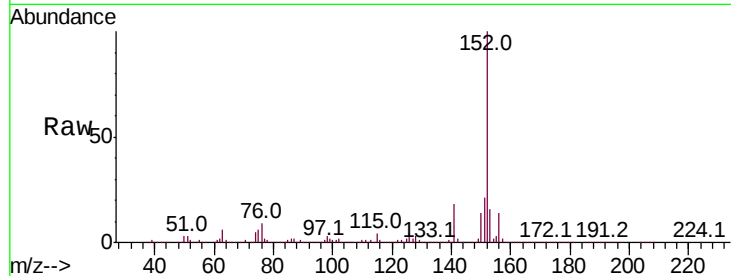
#47
Acenaphthylene
Concen: 130.355 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

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

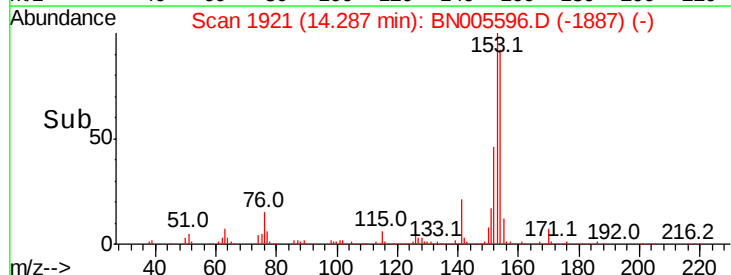
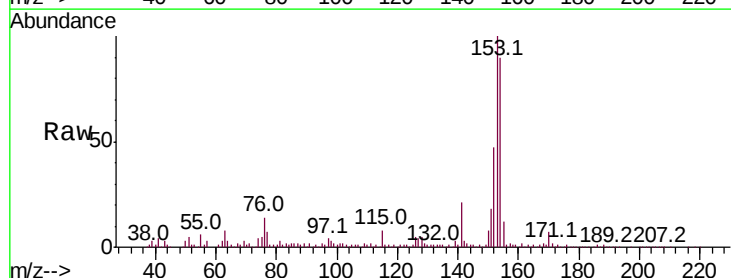
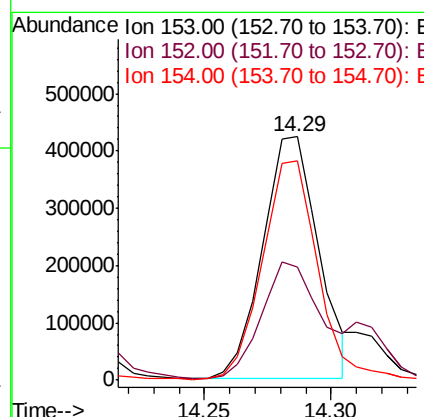
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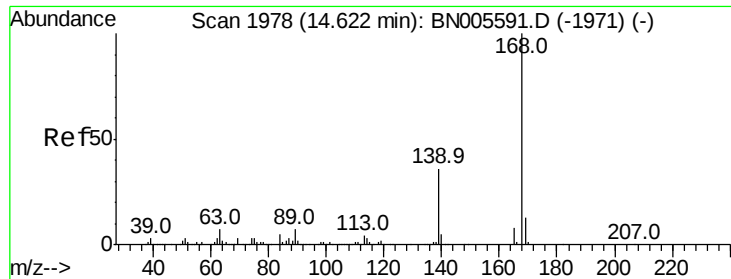
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#49
Acenaphthene
Concen: 23.415 ng/ul
RT: 14.29 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.4	56.0
154	90.0	71.2	106.8





#53

Dibenzofuran

Concen: 36.251 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampled :

GAJ71ME

Tot Ion:168 Resp: 1451602

Ion Ratio Lower Upper

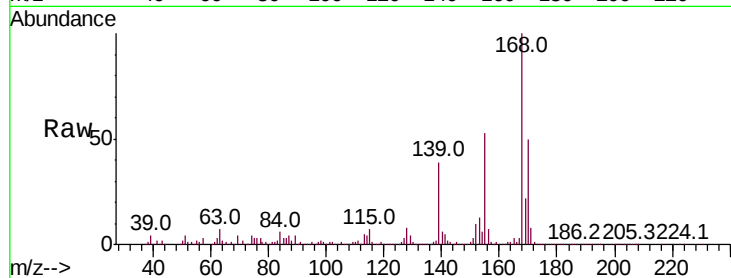
168 100

139 39.4 30.9 46.3

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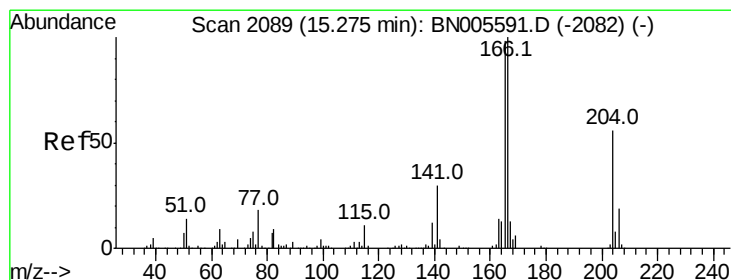
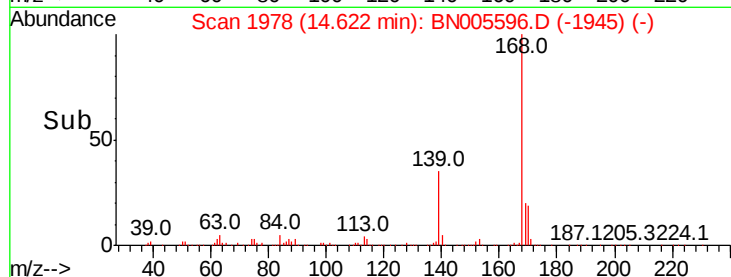
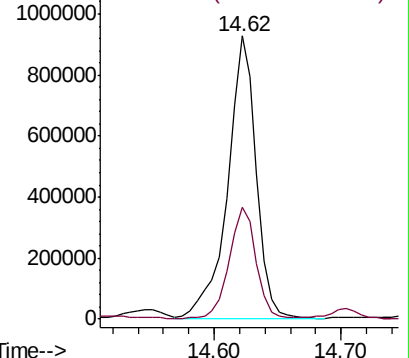
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 120.717 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

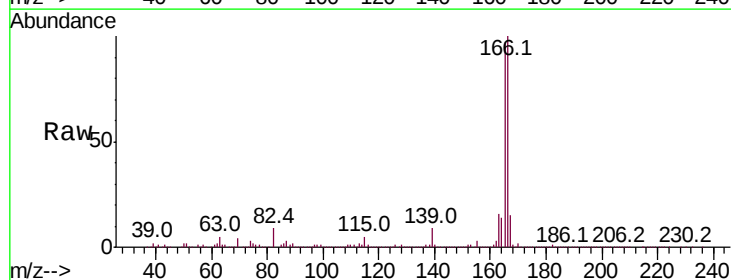
Tgt Ion:166 Resp: 3771918

Ion Ratio Lower Upper

166 100

165 97.0 80.0 120.0

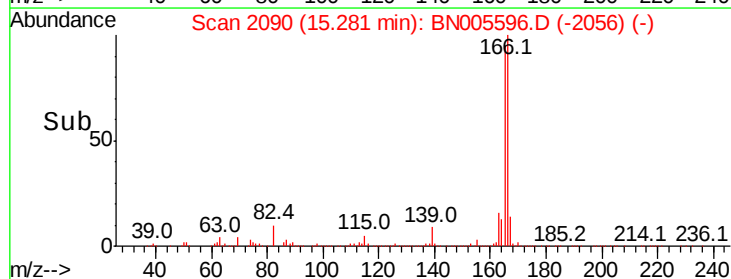
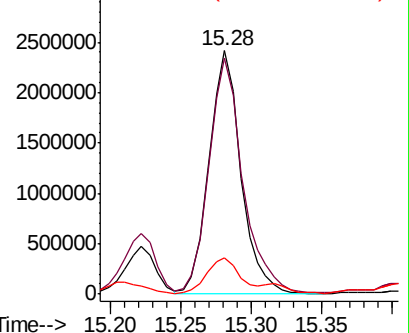
167 14.8 10.7 16.1

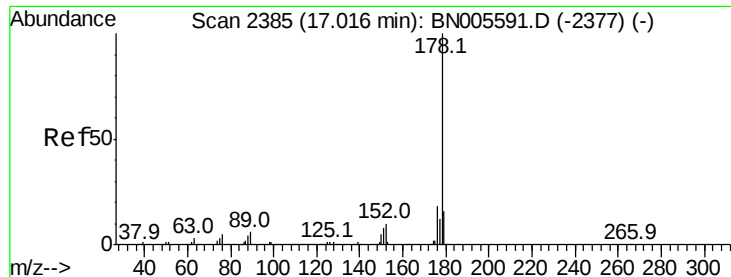


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 308.365 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampleId :

GAJ71ME

Tot Ion:178 Resp:13802850

Ion Ratio Lower Upper

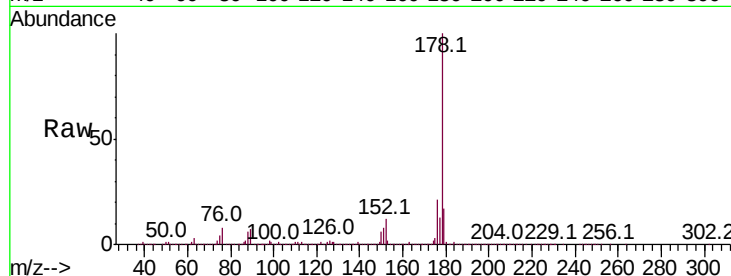
178 100

179 17.1 12.2 18.4

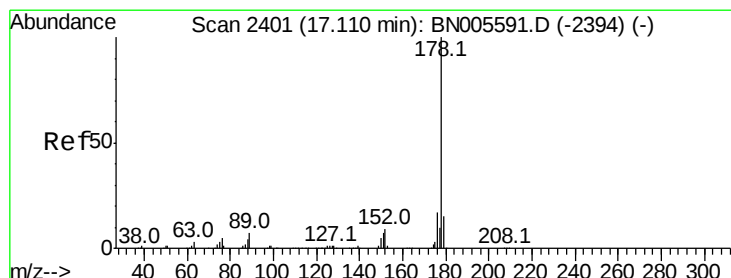
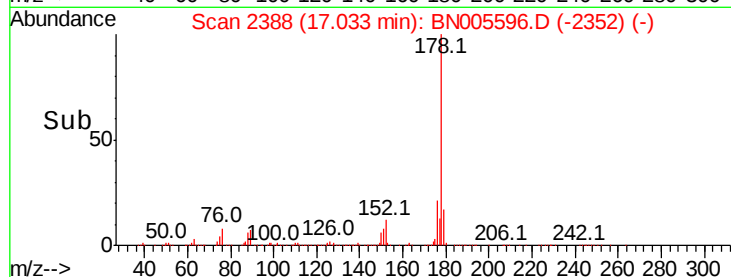
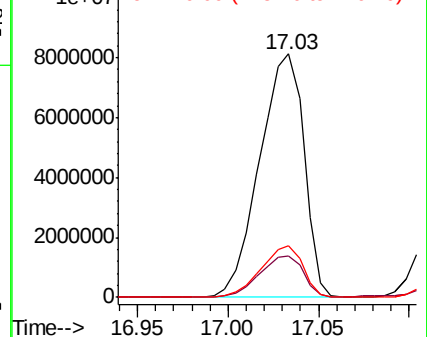
176 21.0 15.1 22.7

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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



#71

Anthracene

Concen: 68.157 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

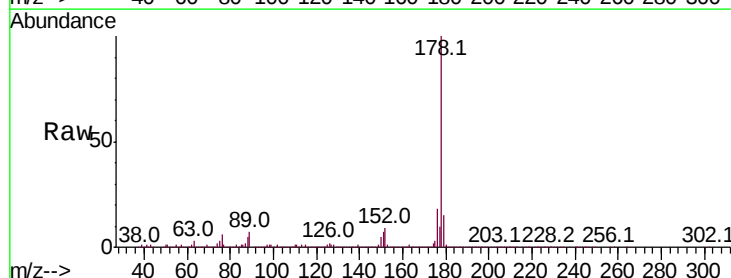
Tgt Ion:178 Resp: 3107827

Ion Ratio Lower Upper

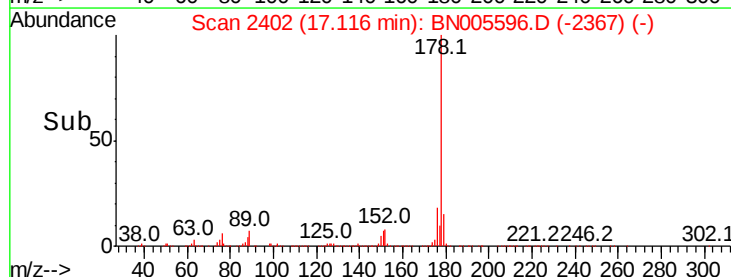
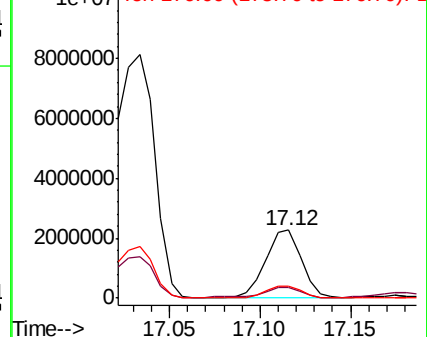
178 100

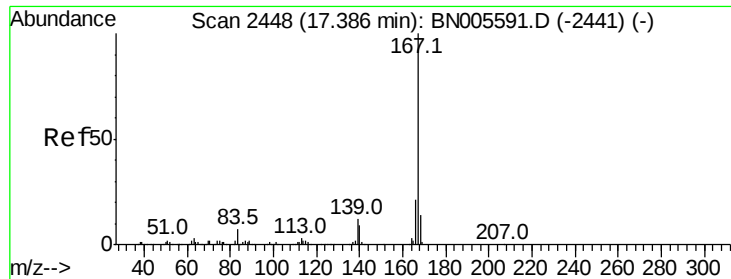
179 15.5 12.3 18.5

176 18.4 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: 8.351 ng/ul

RT: 17.38 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

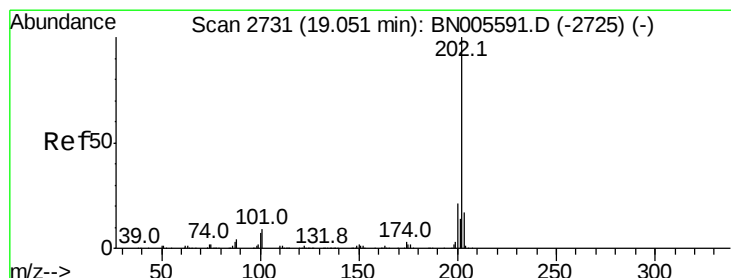
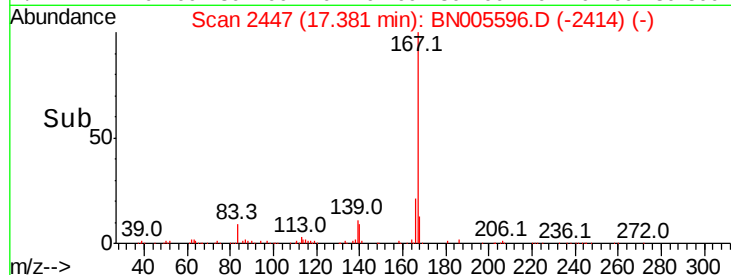
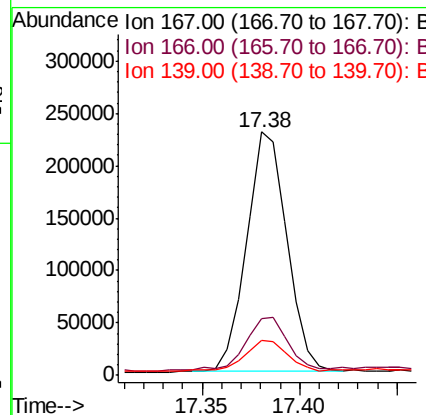
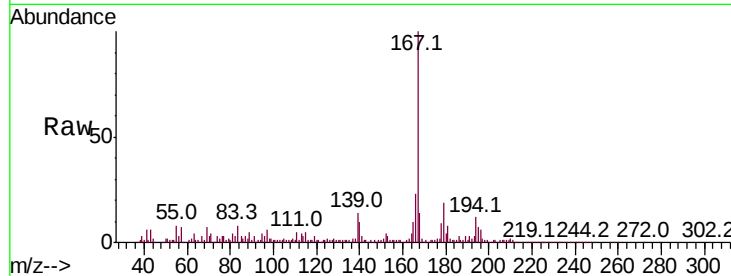
ClientSampleId :

GAJ71ME

Tot Ion:	167	Resp:	327113
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.2	25.8
139	14.1	10.6	16.0

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#76

Fluoranthene

Concen: 85.219 ng/ul

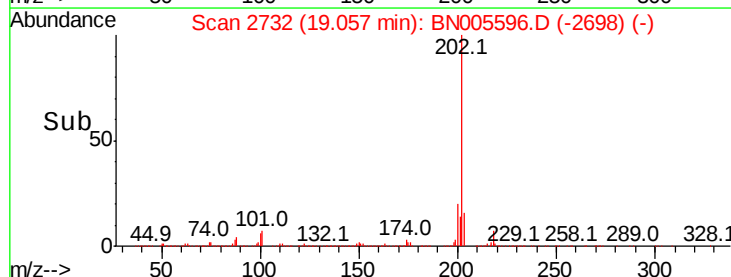
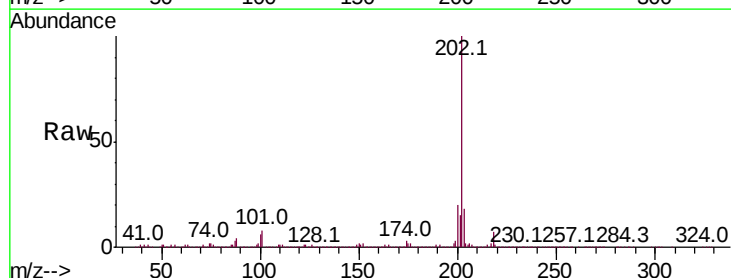
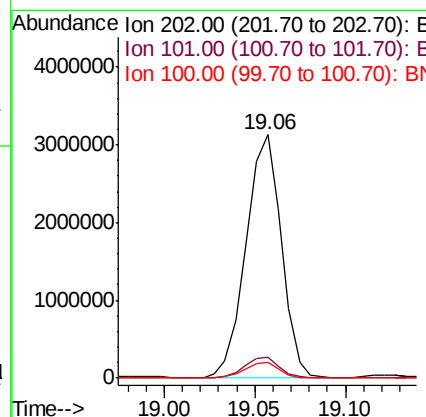
RT: 19.06 min Scan# 2732

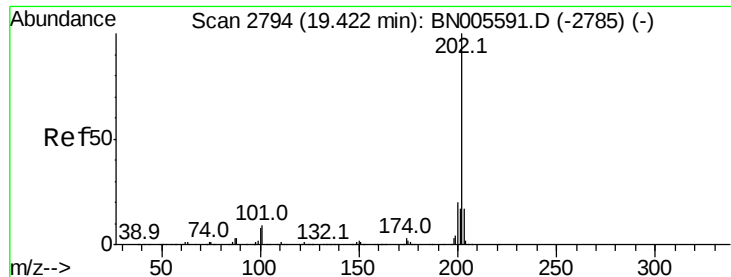
Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Tgt Ion:	202	Resp:	4231041
Ion Ratio	Lower	Upper	
202	100		
101	8.3	8.6	12.8#
100	6.4	6.3	9.5





#79

Pvrene

Concen: 114.881 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampleId :

GAJ71ME

Tot Ion:202 Resp: 5146590

Ion Ratio Lower Upper

202 100

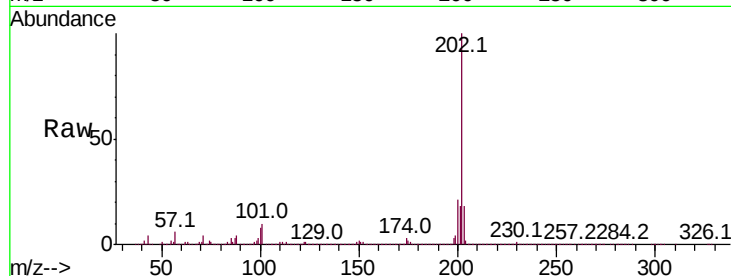
101 10.4 10.3 15.5

100 8.3 7.9 11.9

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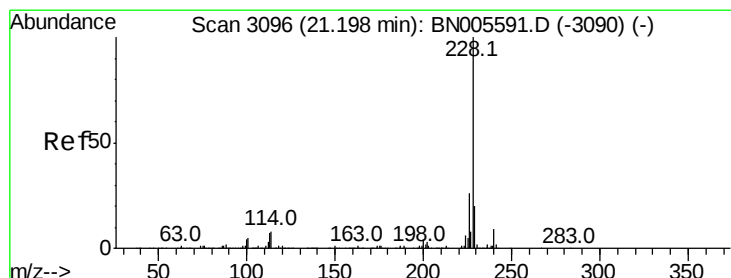
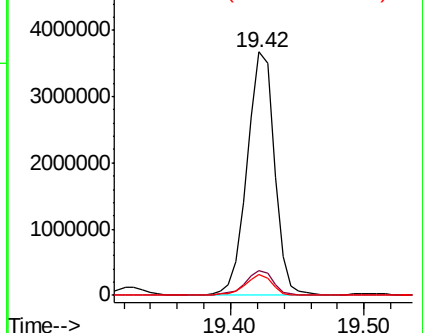
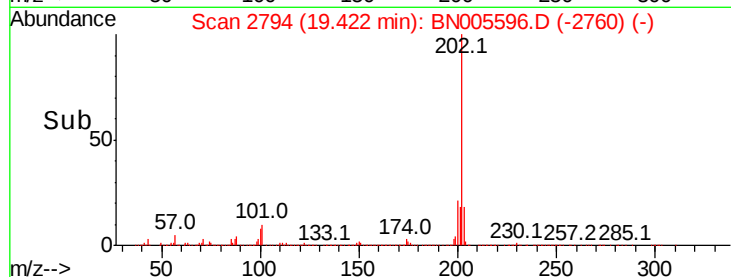
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 39.397 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

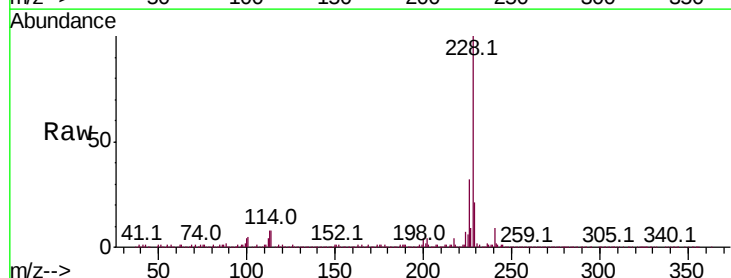
Tgt Ion:228 Resp: 1705301

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

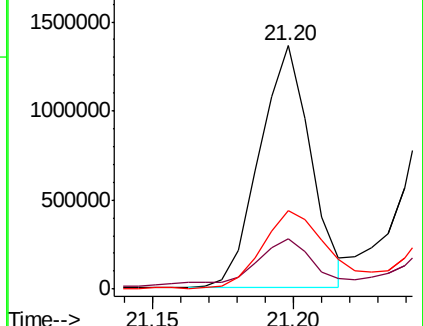
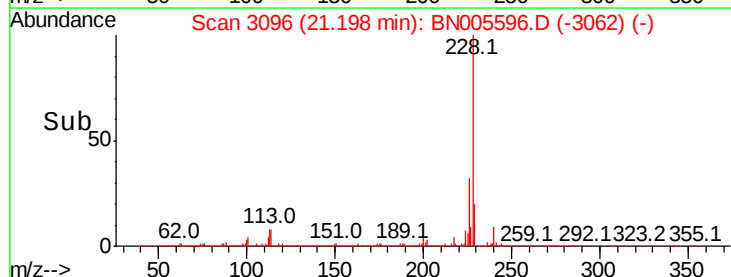
226 32.1 21.4 32.2

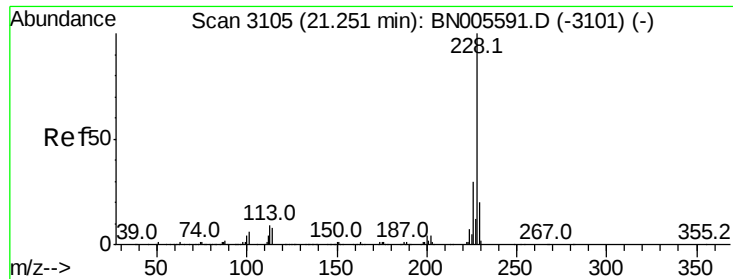


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





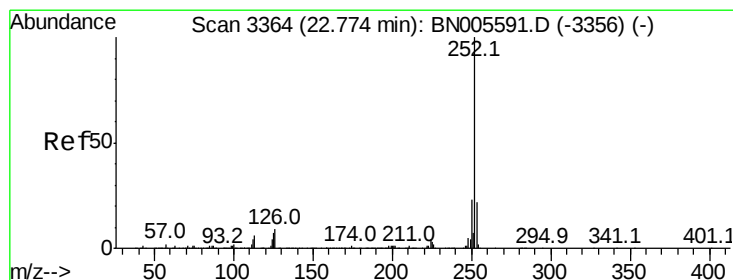
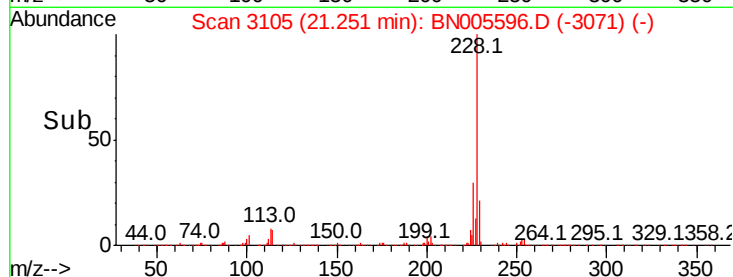
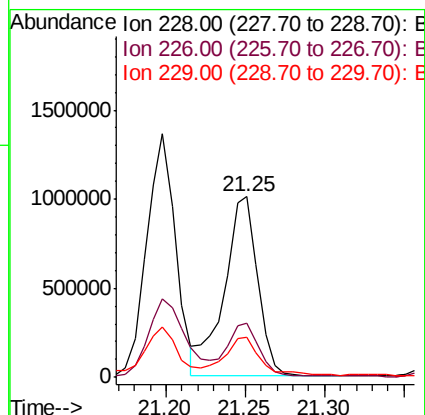
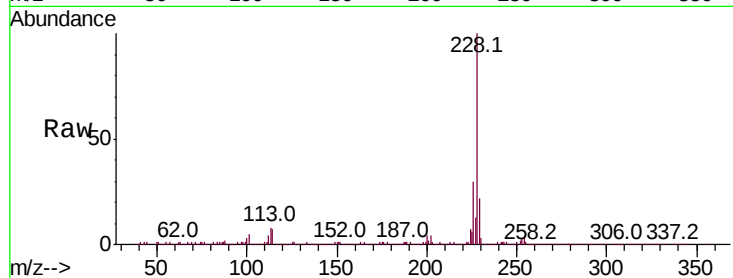
#84
Chrysene
Concen: 37.002 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

Instrument :
BNA_N
ClientSampleId :
GAJ71ME

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.9	15.4	23.0

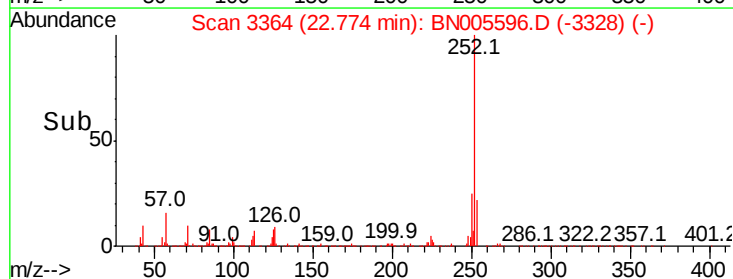
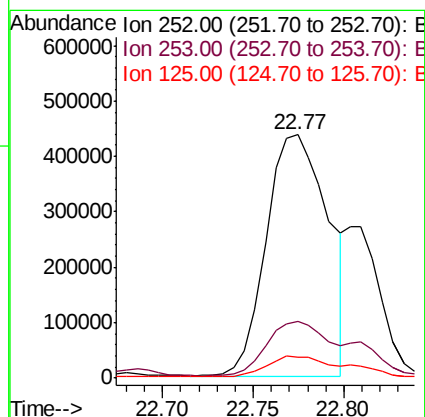
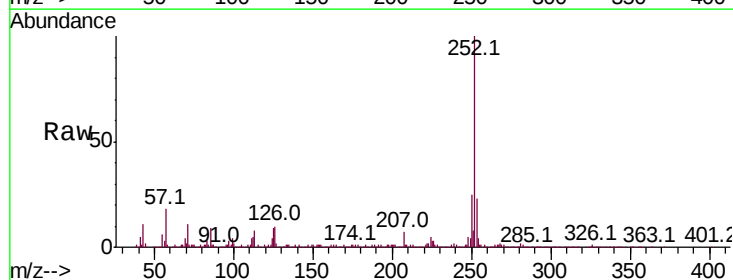
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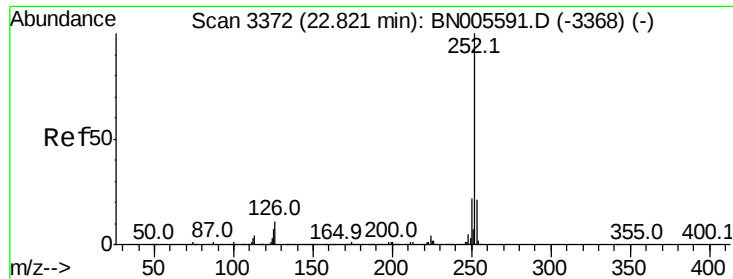
mohammad
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#87
Benzo(b)fluoranthene
Concen: 25.243 ng/ul
RT: 22.77 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	8.7	8.4	12.6





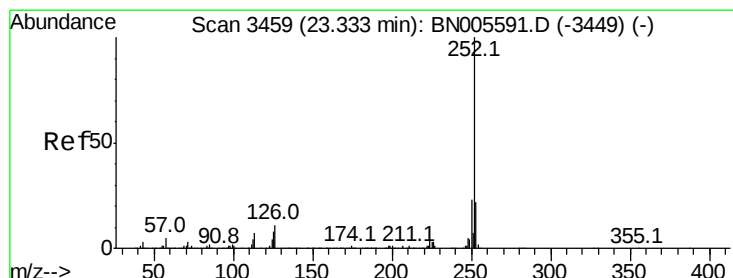
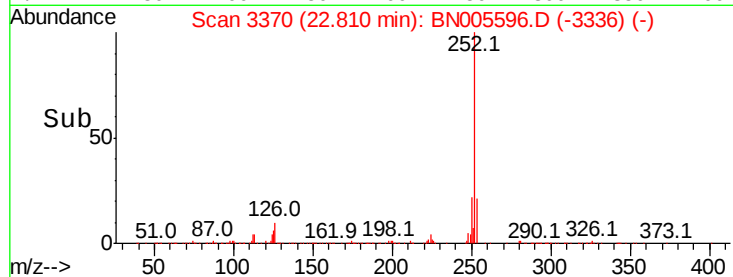
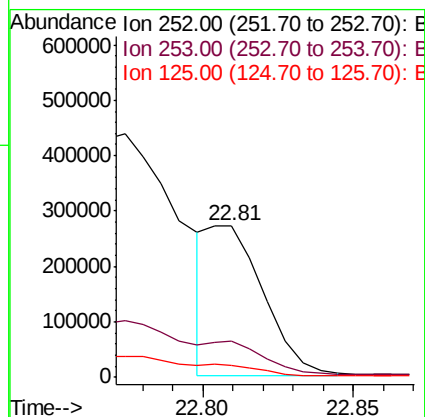
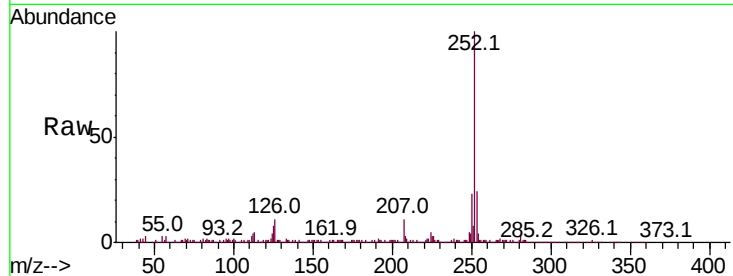
#88
Benzo(k)fluoranthene
Concen: 8.880 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. -0.00 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

Instrument :
BNA_N
ClientSampleId :
GAJ71ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	7.7	7.5	11.3

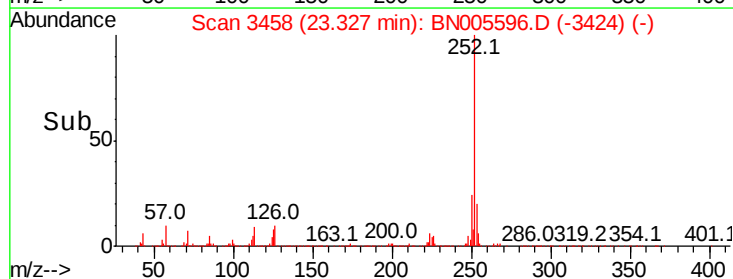
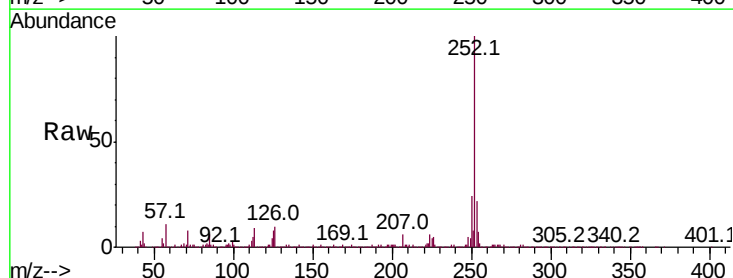
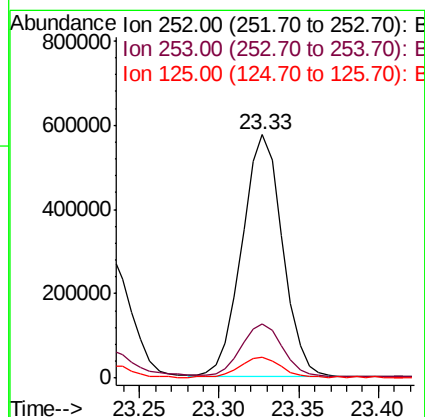
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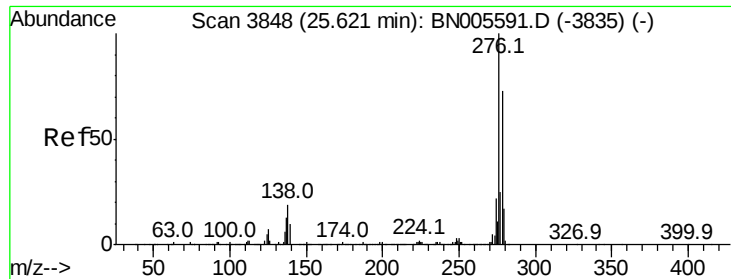
mohammad
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#90
Benzo(a)pyrene
Concen: 26.125 ng/ul m
RT: 23.33 min Scan# 3458
Delta R.T. -0.00 min
Lab File: BN005596.D
Acq: 10 May 2019 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	8.3	8.6	13.0#





#91

Indeno(1,2,3-cd)pyrene

Concen: 9.503 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

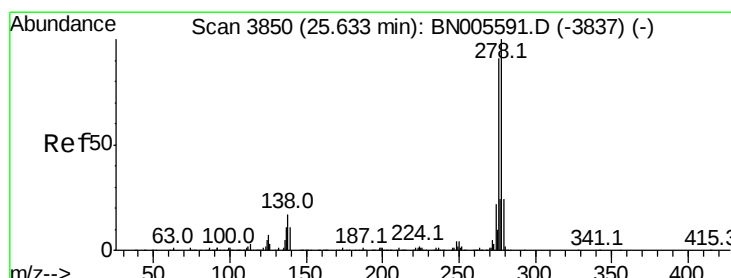
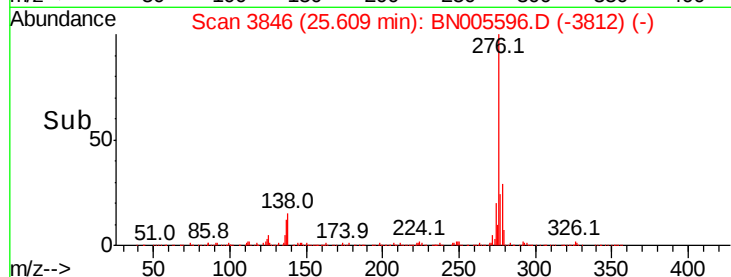
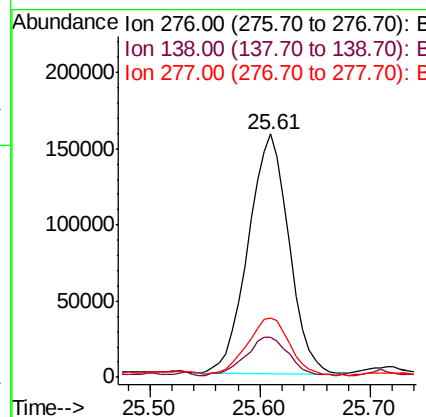
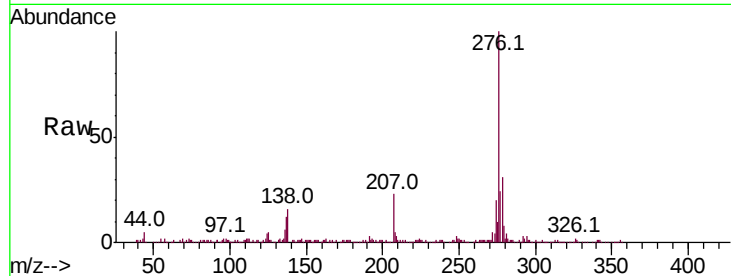
ClientSampleId :

GAJ71ME

Tot Ion:	276	Resp:	406016
Ion Ratio	Lower	Upper	
276	100		
138	16.2	17.9	26.9#
277	24.4	19.7	29.5

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#92

Dibenzo(a,h)anthracene

Concen: 3.695 ng/ul

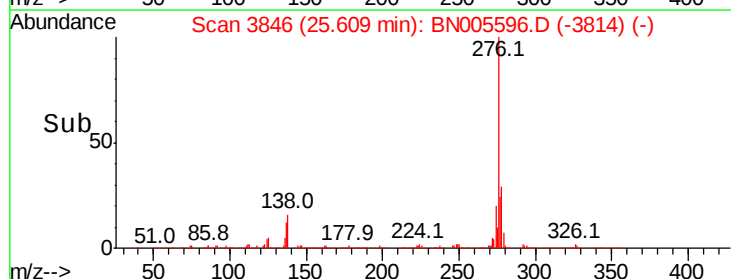
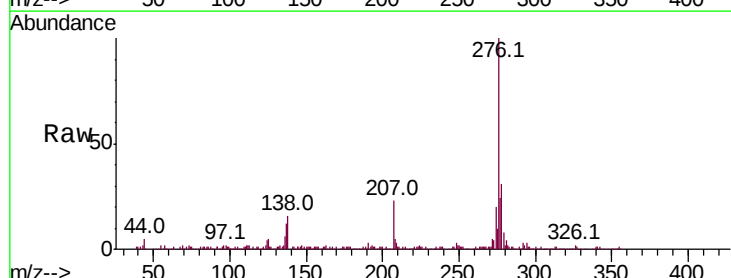
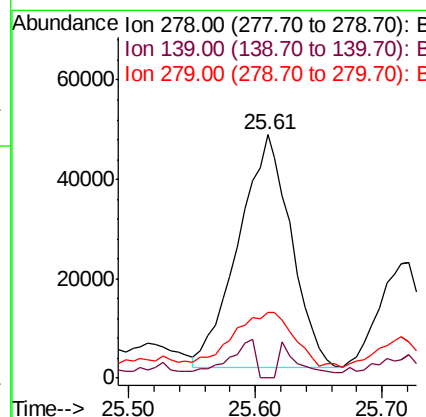
RT: 25.61 min Scan# 3846

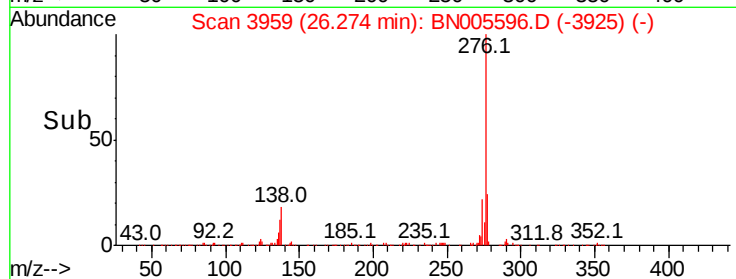
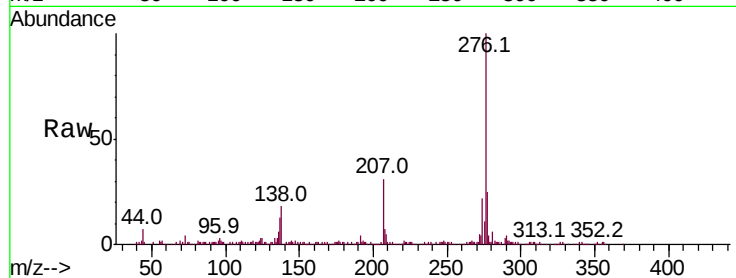
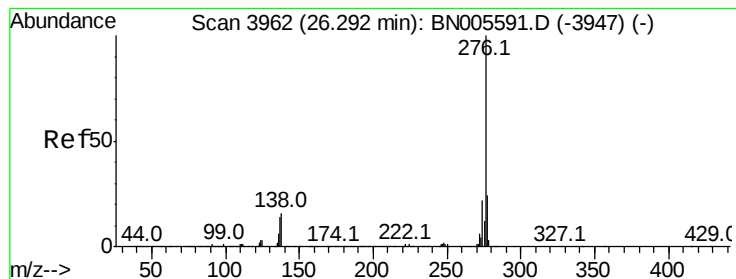
Delta R.T. -0.01 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Tgt Ion:	278	Resp:	133988
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	27.0	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 9.906 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. -0.00 min

Lab File: BN005596.D

Acq: 10 May 2019 19:40

Instrument :

BNA_N

ClientSampleId :

GAJ71ME

Tot Ion:	276	Resp:	349940
Ion Ratio	Lower	Upper	
276	100		
138	18.3	16.7	25.1
277	24.8	18.2	27.2

Manual Integrations
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