

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009603.D
 Acq On : 05 Feb 2020 16:10
 Operator : CG/JU
 Sample : L1271-06DL 10X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GASZ7DL

Manual Integrations
 APPROVED

mohammad
 2/6/2020 8:12:41 AM

Quant Time: Feb 05 16:55:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	160679	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	659098	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	457586	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	822768	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	736336	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	796928	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	569	0.15	ng/uL	0.02
5) Phenol-d5	6.64	99	22094	1.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	16276	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	16189	1.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	17843	1.60	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	5565	1.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	8814	1.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	18480	1.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	50048	4.54	ng/ul	0.03
43) Dimethylphthalate-d6	13.50	166	78441	2.35	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	76902	1.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	17694m	2.80	ng/ul	0.02
57) Fluorene-d10	15.08	176	60014	2.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	5814m	1.13	ng/ul	0.02
70) Anthracene-d10	16.93	188	87121m	2.33	ng/ul	0.00
78) Pyrene-d10	19.24	212	92723	2.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	91267	2.33	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.25	128	24236340m	678.085	ng/ul	
34) 2-Methylnaphthalene	11.89	142	27698275m	1107.358	ng/ul	
40) 1,1'-Biphenyl	12.90	154	2702761	75.862	ng/ul	99
47) Acenaphthylene	13.80	152	8256142	186.919	ng/ul	98
49) Acenaphthene	14.14	153	829182	27.614	ng/ul	98
53) Dibenzofuran	14.48	168	1050993	25.135	ng/ul	92
58) Fluorene	15.14	166	4924493	140.922	ng/ul	99
69) Phenanthrene	16.89	178	18493231	394.131	ng/ul	92
71) Anthracene	16.97	178	2352456	49.412	ng/ul	99
76) Fluoranthene	18.90	202	4274326	79.815	ng/ul	98
79) Pyrene	19.27	202	6638498	123.501	ng/ul	97
82) Benzo(a)anthracene	21.03	228	2225271m	43.770	ng/ul	
84) Chrysene	21.08	228	1976536	39.052	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	1164946	23.364	ng/ul	97
88) Benzo(k)fluoranthene	22.57	252	322915m	6.576	ng/ul	
90) Benzo(a)pyrene	23.07	252	936827	20.279	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.22	276	445819	8.117	ng/ul	92
92) Dibenzo(a,h)anthracene	25.22	278	155439	3.362	ng/ul#	88
93) Benzo(g,h,i)perylene	25.84	276	375344	8.154	ng/ul	97

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

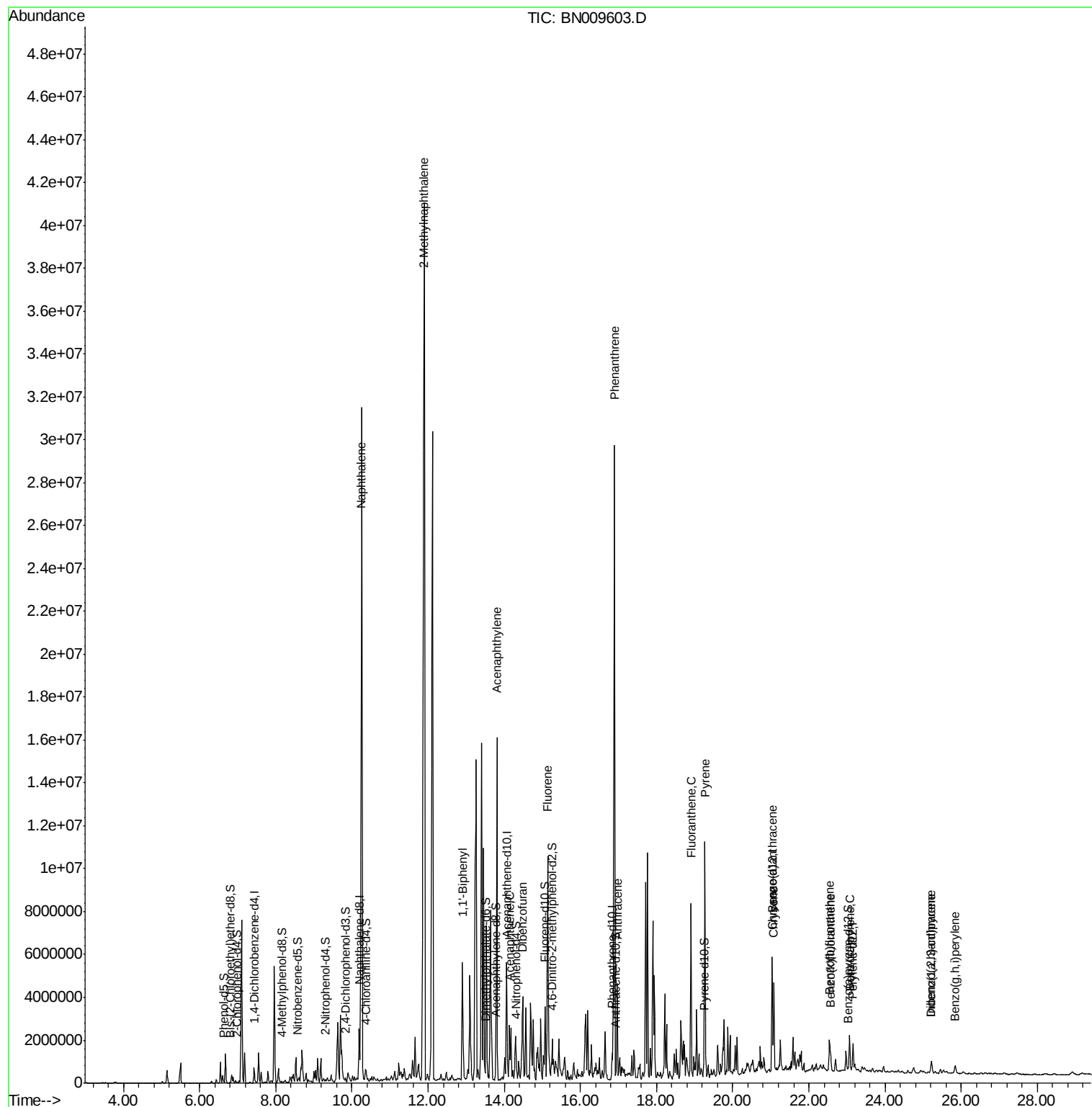
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
Data File : BN009603.D
Acq On : 05 Feb 2020 16:10
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Sample : L1271-06DL 10X
Misc :
ALS Vial : 79 Sample Multiplier: 1

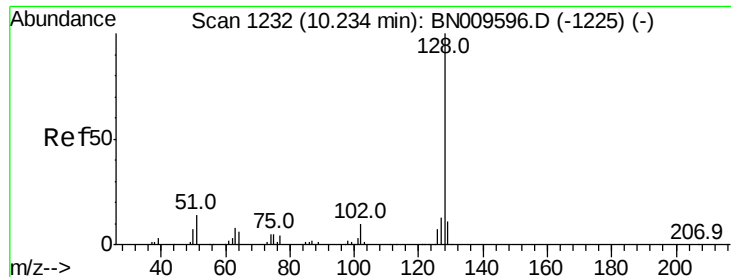
Instrument :
BNA_N
ClientSampleId :
GASZ7DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
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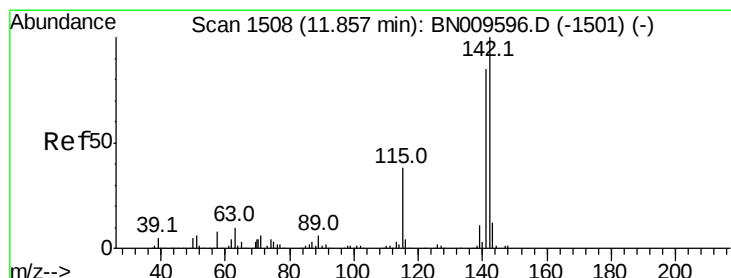
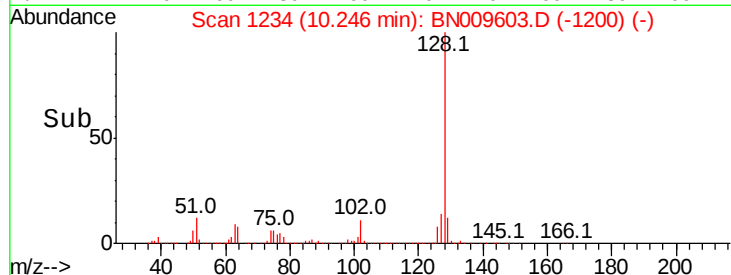
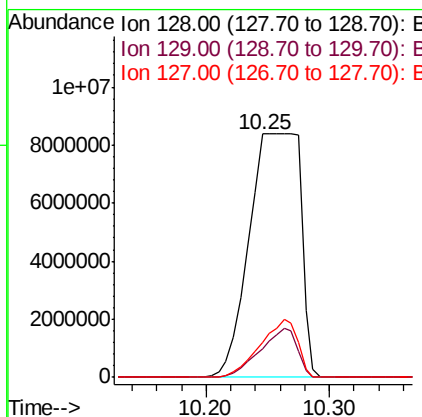
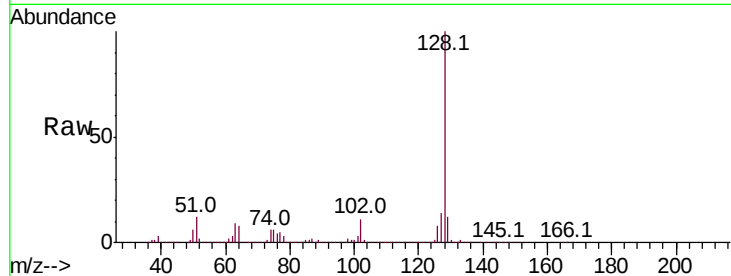
#28
Naphthalene
Concen: 678.085 ng/ul m
RT: 10.25 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Tot Ion:128 Resp:24236340
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.2 10.7 16.1

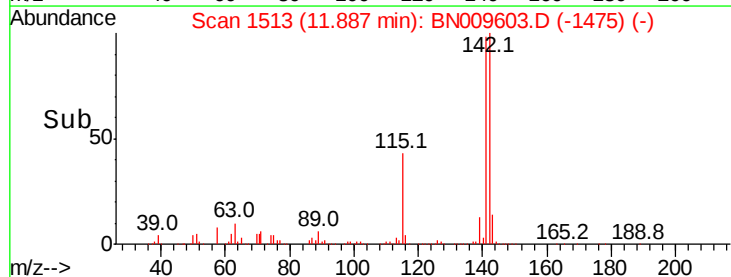
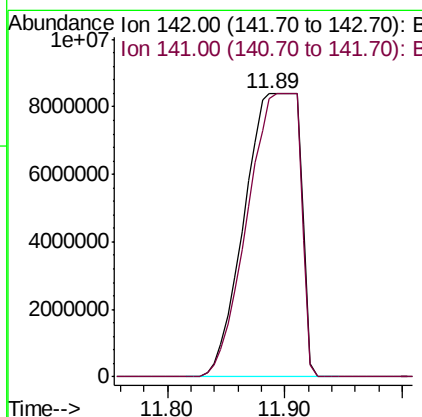
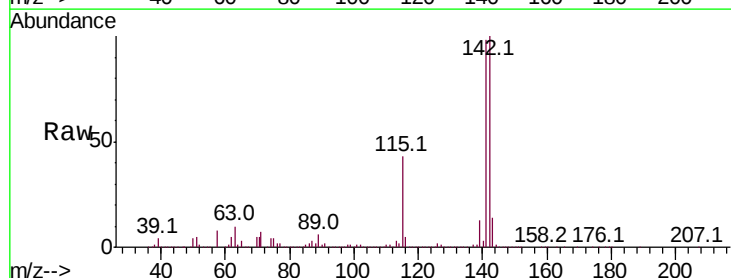
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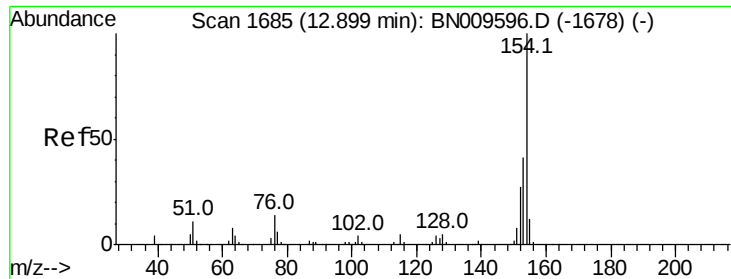
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#34
2-Methylnaphthalene
Concen: 1107.358 ng/ul m
RT: 11.89 min Scan# 1513
Delta R.T. 0.02 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Tgt Ion:142 Resp:27698275
Ion Ratio Lower Upper
142 100
141 98.3 71.5 107.3





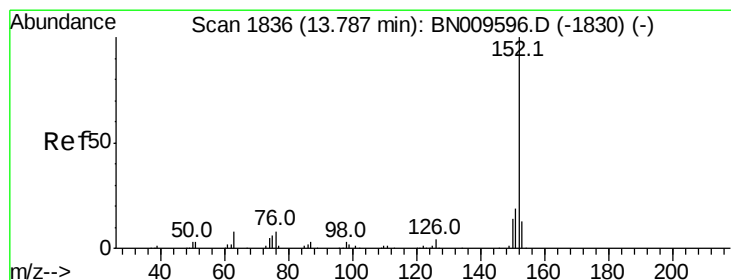
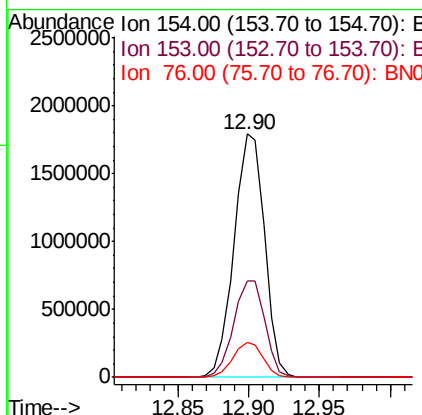
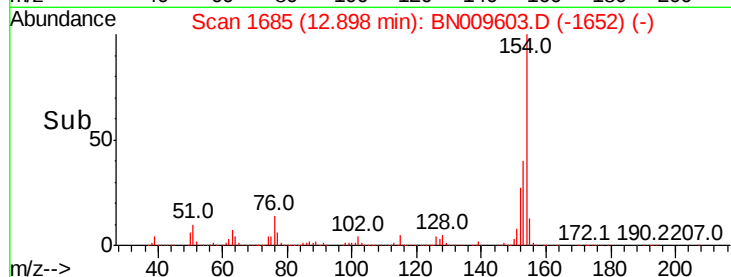
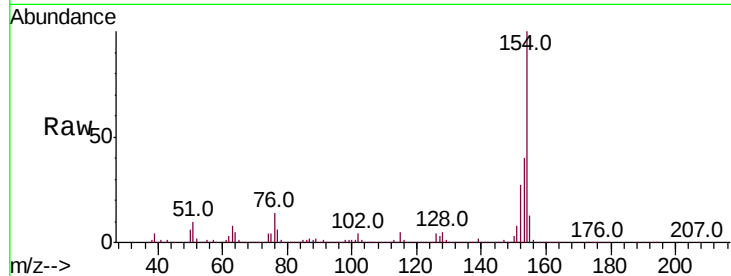
#40
1,1'-Biphenyl
Concen: 75.862 ng/ul
RT: 12.90 min Scan# 1685
Delta R.T. -0.01 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	31.2	46.8
76	14.4	11.4	17.2

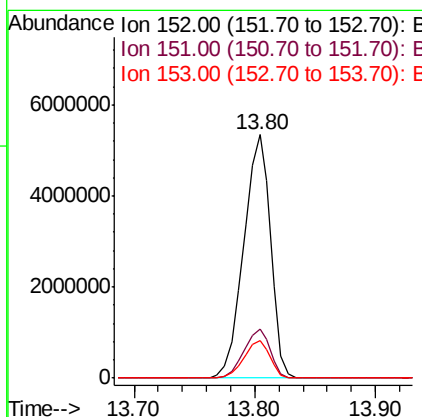
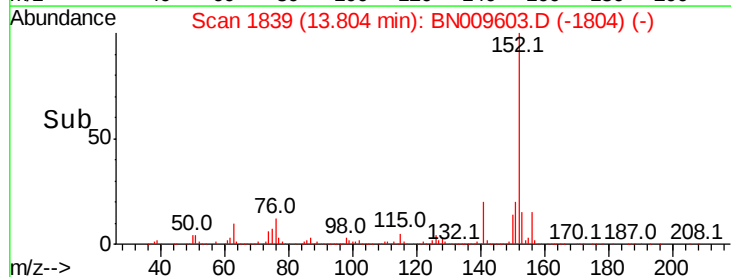
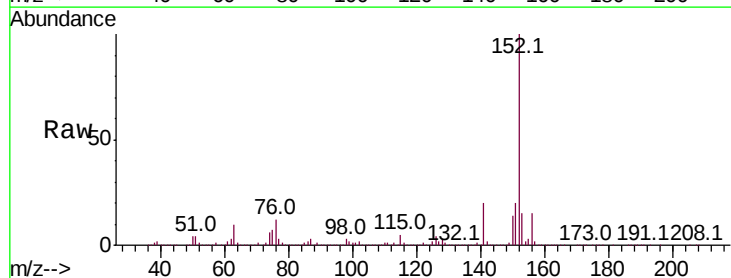
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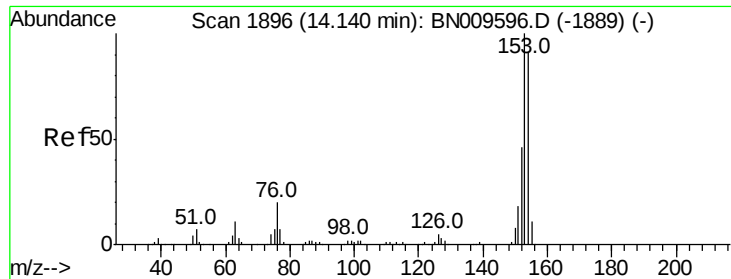
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#47
Acenaphthylene
Concen: 186.919 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	15.3	10.6	15.8





#49

Acenaphthene

Concen: 27.614 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009603.D

Acq: 05 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

GASZ7DL

Tot Ion:153 Resp: 829182

Ion Ratio Lower Upper

153 100

152 48.1 37.3 55.9

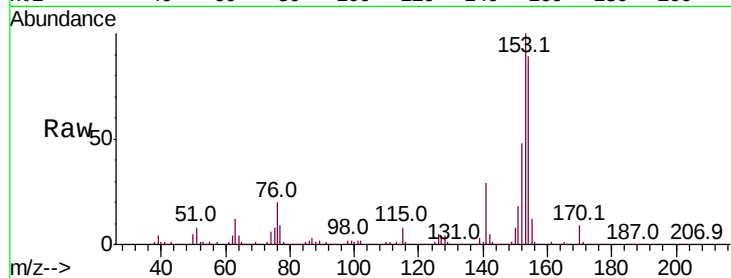
154 88.9 70.2 105.2

Manual Integrations

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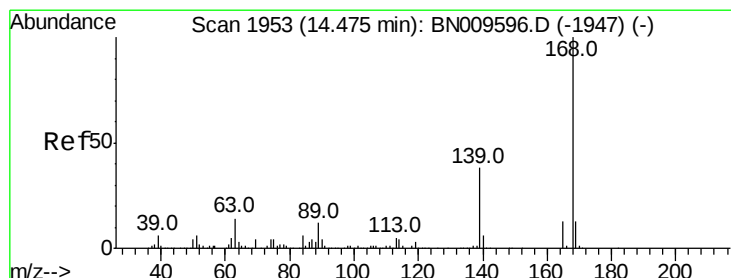
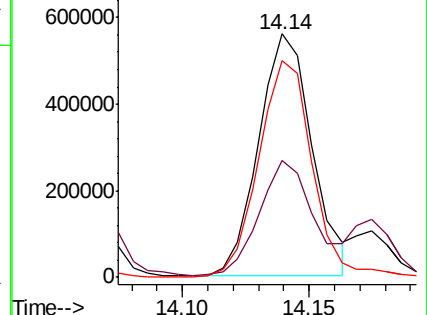
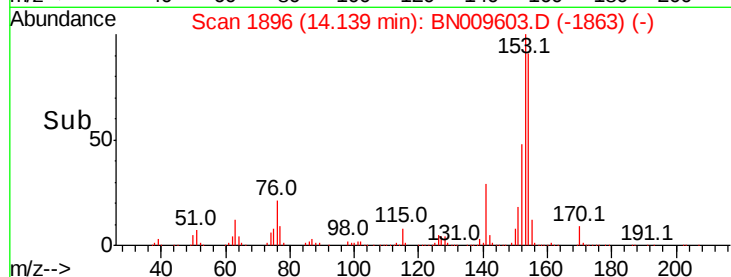
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 25.135 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009603.D

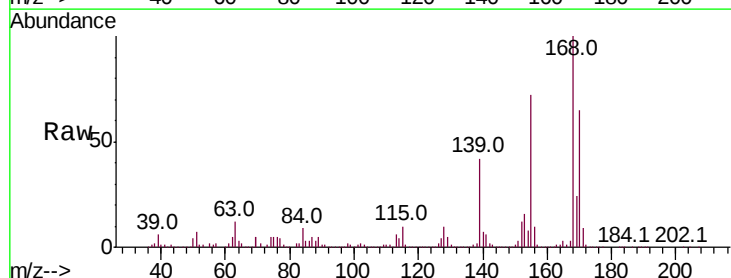
Acq: 05 Feb 2020 16:10

Tgt Ion:168 Resp: 1050993

Ion Ratio Lower Upper

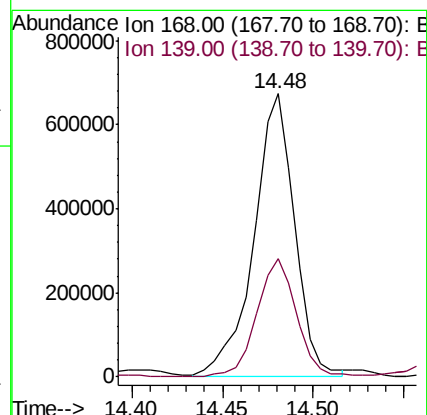
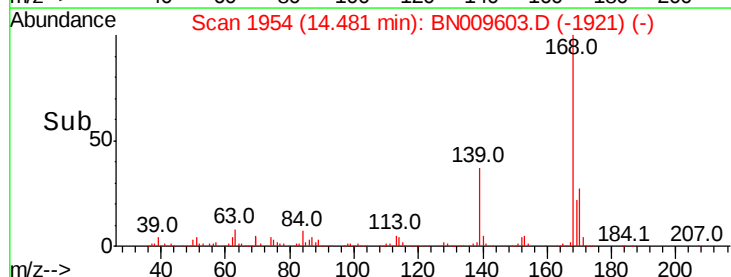
168 100

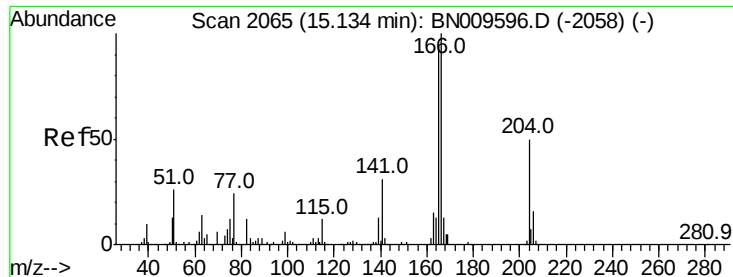
139 41.9 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





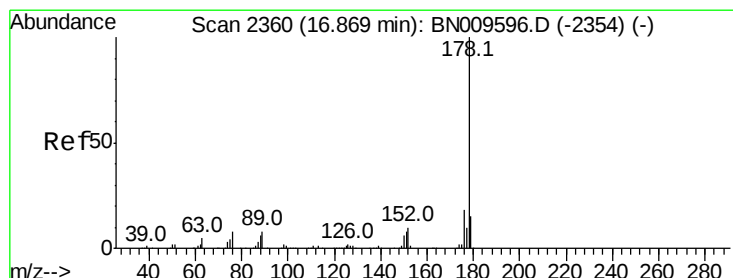
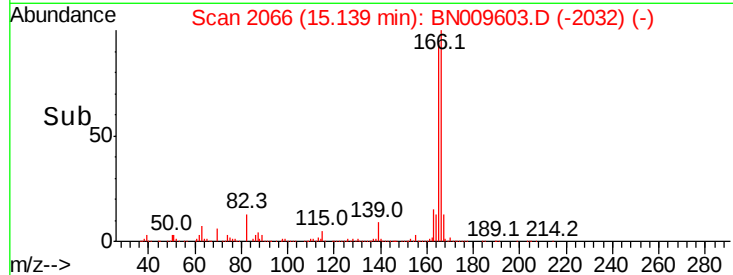
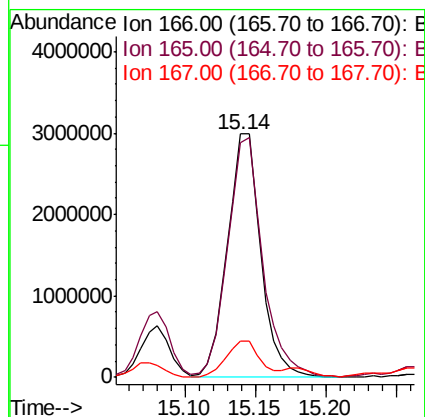
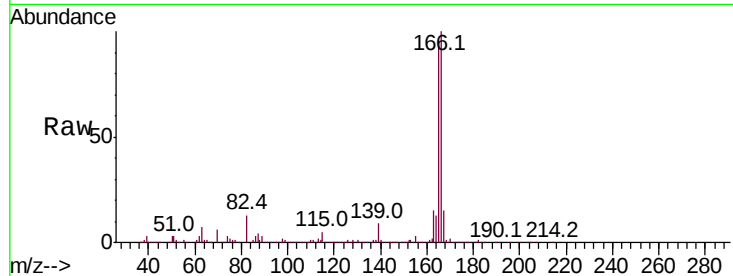
#58
 Fluorene
 Concen: 140.922 ng/ul
 RT: 15.14 min Scan# 2066
 Delta R.T. -0.00 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Tot Ion:166 Resp: 4924493
 Ion Ratio Lower Upper
 166 100
 165 96.2 76.7 115.1
 167 14.7 11.1 16.7

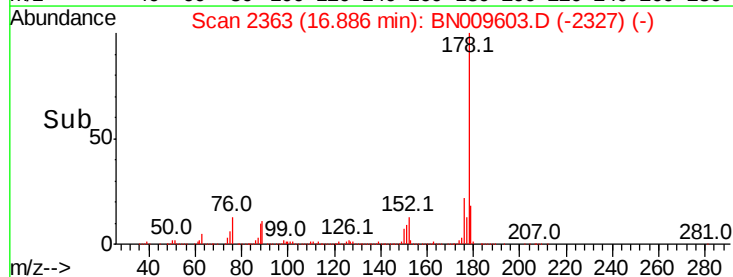
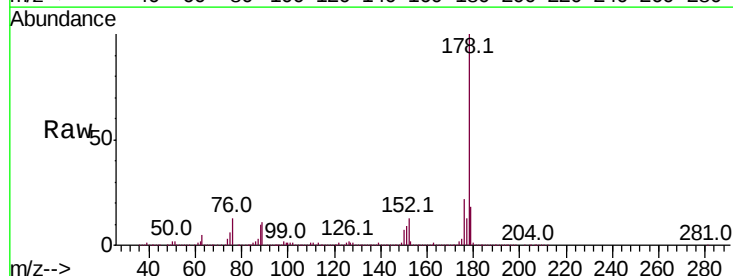
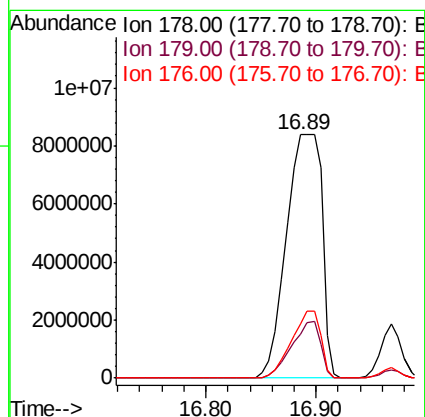
Manual Integrations
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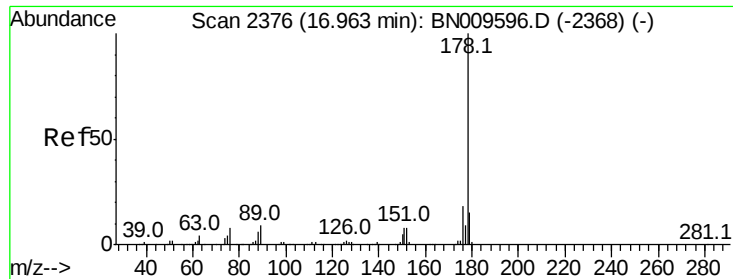
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#69
 Phenanthrene
 Concen: 394.131 ng/ul
 RT: 16.89 min Scan# 2363
 Delta R.T. 0.01 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

Tgt Ion:178 Resp:18493231
 Ion Ratio Lower Upper
 178 100
 179 18.2 12.2 18.2
 176 22.1 14.8 22.2





#71
 Anthracene
 Concen: 49.412 ng/ul
 RT: 16.97 min Scan# 2377
 Delta R.T. -0.00 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

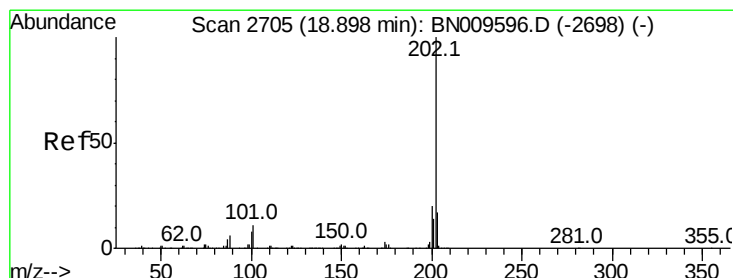
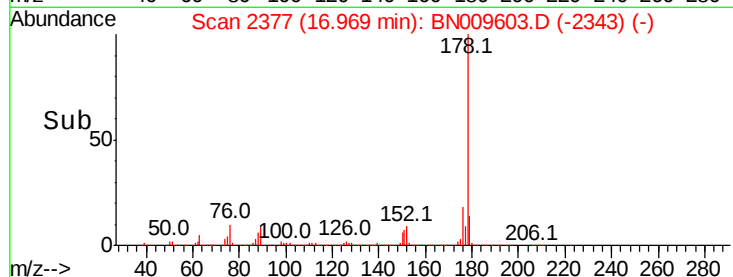
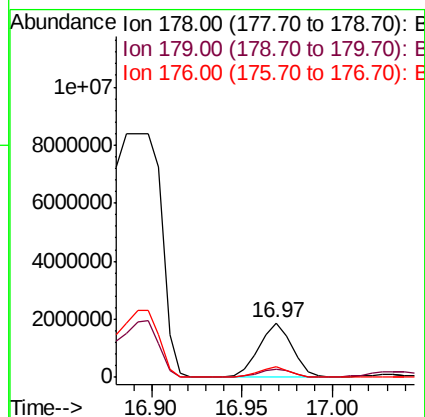
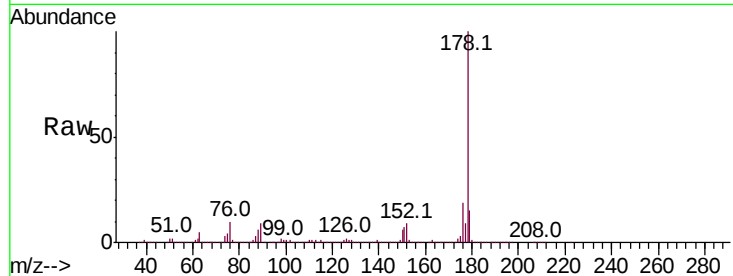
Instrument :
 BNA_N
 ClientSampled :
 GASZ7DL

Tot Ion:178 Resp: 2352456

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.1	18.1
176	18.5	14.6	21.8

Manual Integrations
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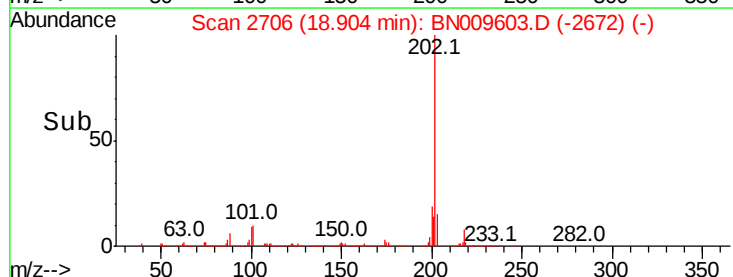
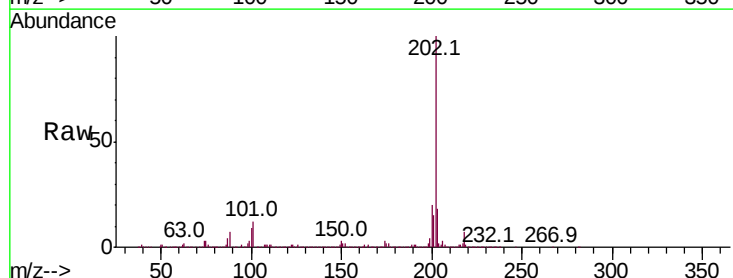
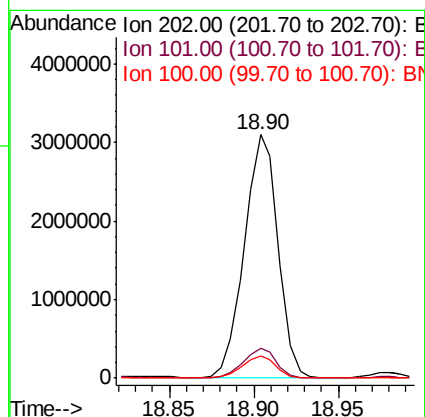
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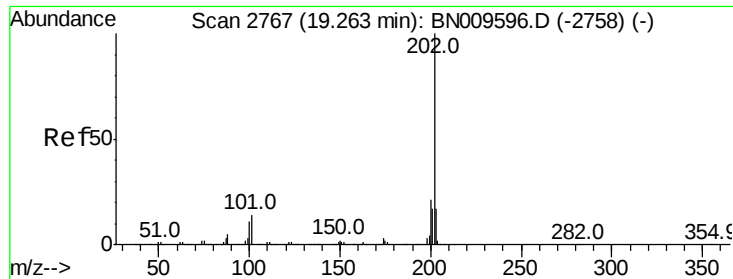


#76
 Fluoranthene
 Concen: 79.815 ng/ul
 RT: 18.90 min Scan# 2706
 Delta R.T. -0.00 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

Tgt Ion:202 Resp: 4274326

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
100	9.2	6.9	10.3





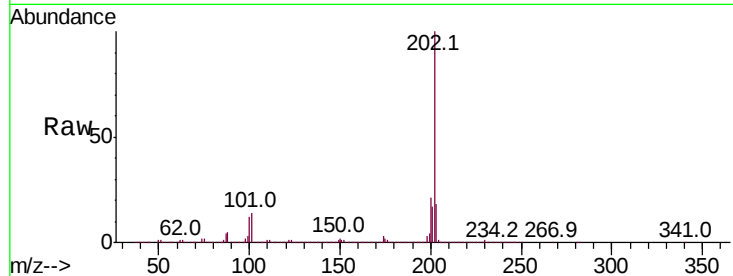
#79
Pvrene
Concen: 123.501 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.01 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.3	15.5
100	11.6	8.4	12.6

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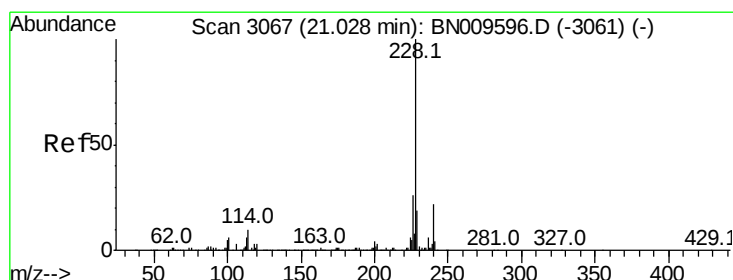
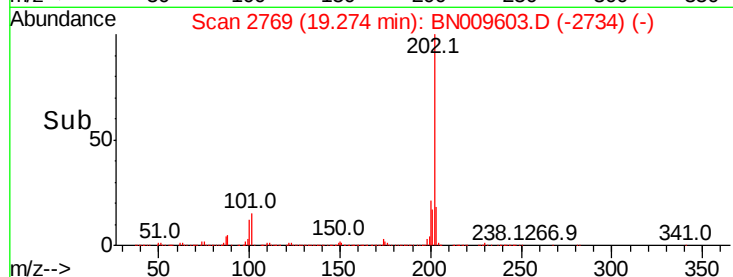
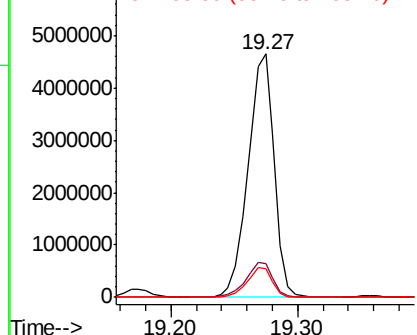


Abundance

Ion 202.00 (201.70 to 202.70): E

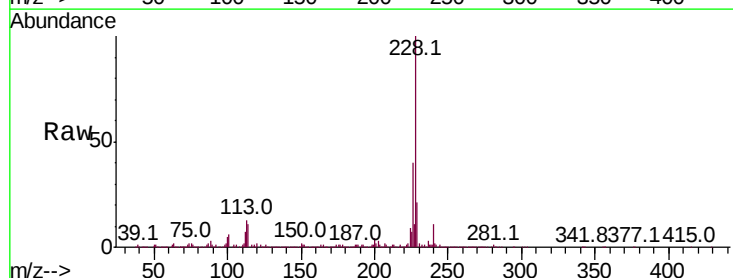
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82
Benzo(a)anthracene
Concen: 43.770 ng/ul m
RT: 21.03 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.0	22.4
226	39.9	20.9	31.3#

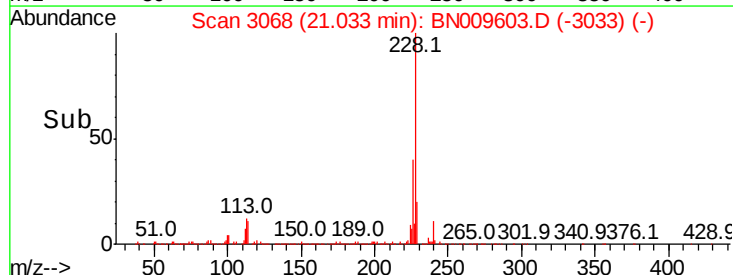
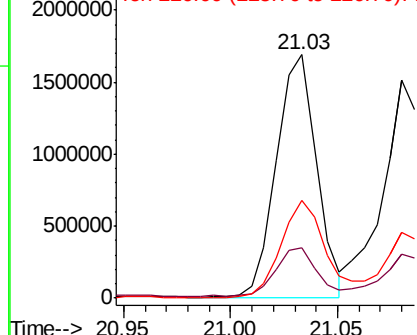


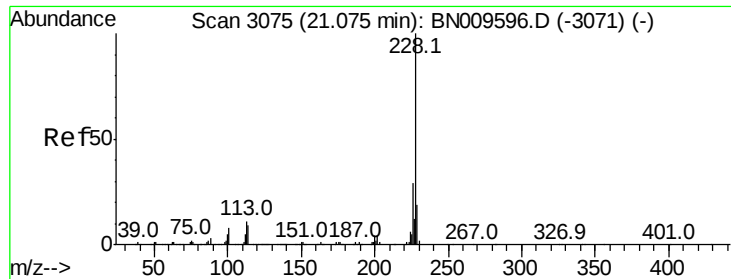
Abundance

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: 39.052 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN009603.D

Acq: 05 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

GASZ7DL

Tot Ion:228 Resp: 1976536

Ion Ratio Lower Upper

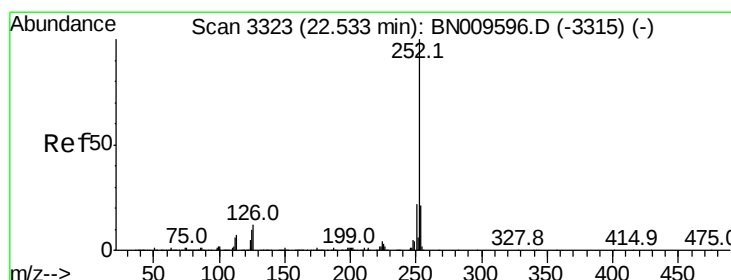
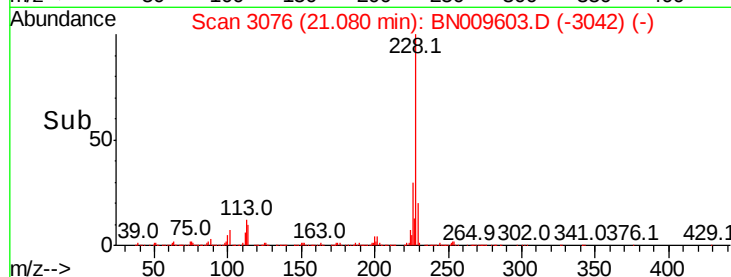
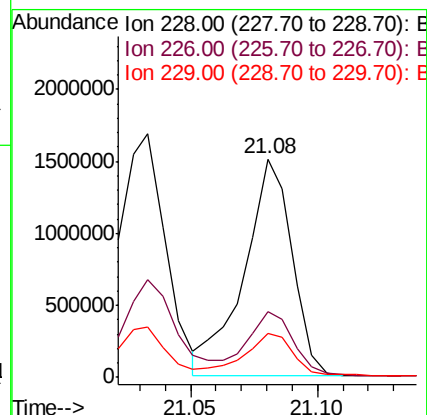
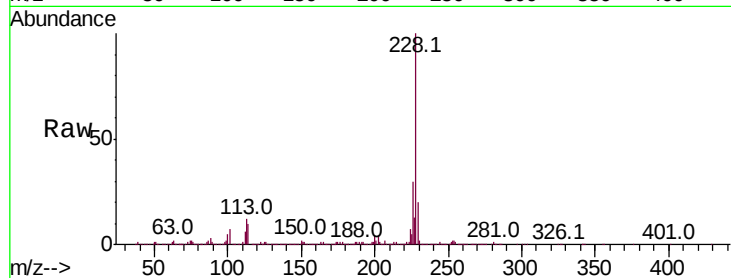
228 100

226 30.1 23.5 35.3

229 20.2 15.8 23.8

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#87

Benzo(b)fluoranthene

Concen: 23.364 ng/ul

RT: 22.54 min Scan# 3324

Delta R.T. 0.01 min

Lab File: BN009603.D

Acq: 05 Feb 2020 16:10

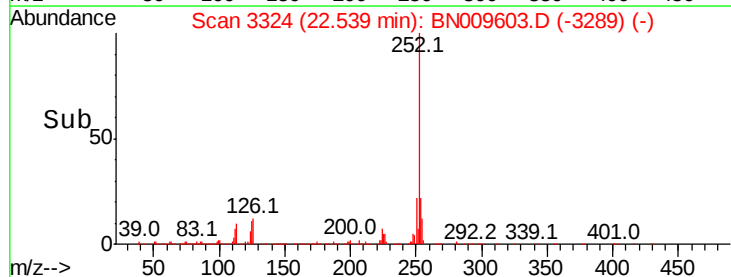
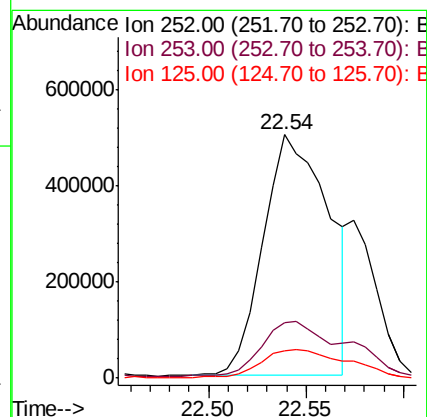
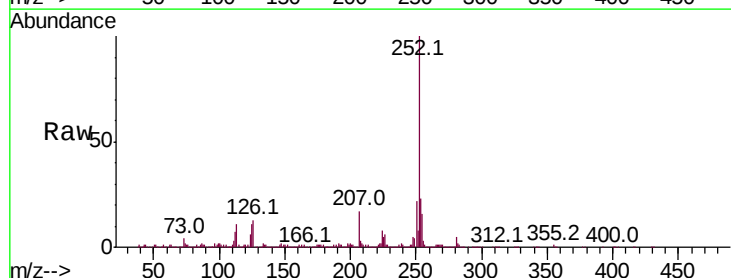
Tgt Ion:252 Resp: 1164946

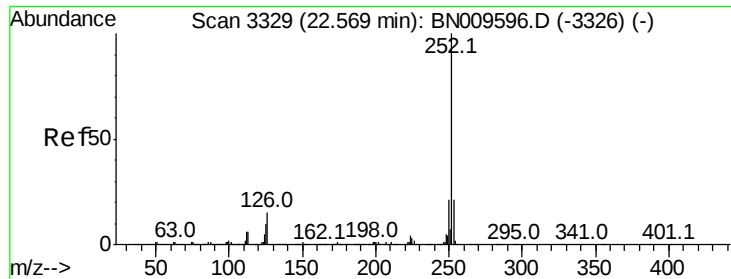
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 11.1 8.2 12.2





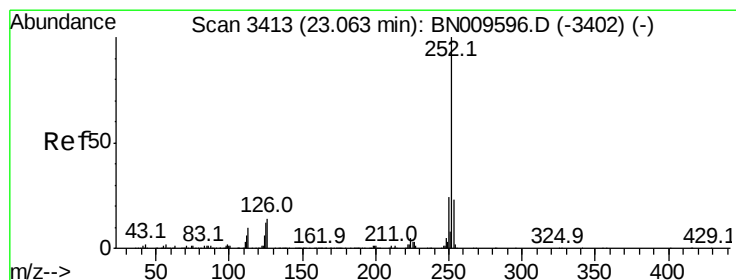
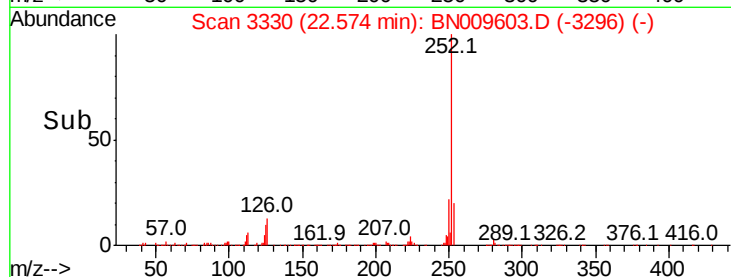
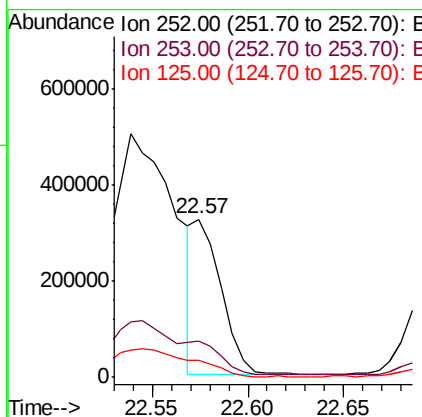
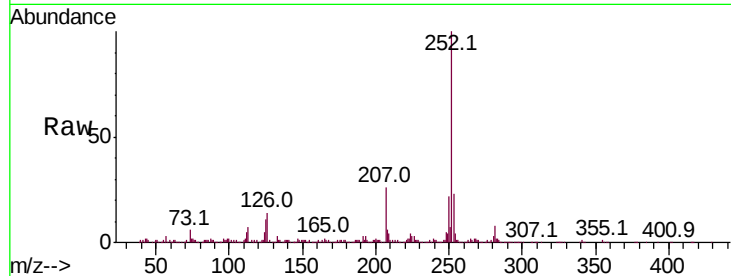
#88
Benzo(k)fluoranthene
Concen: 6.576 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. -0.00 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Instrument :
BNA_N
ClientSampleId :
GASZ7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	10.6	8.0	12.0

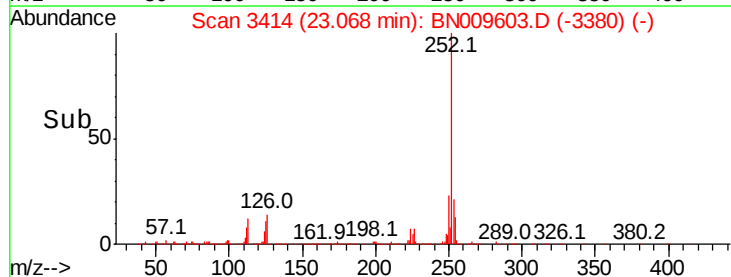
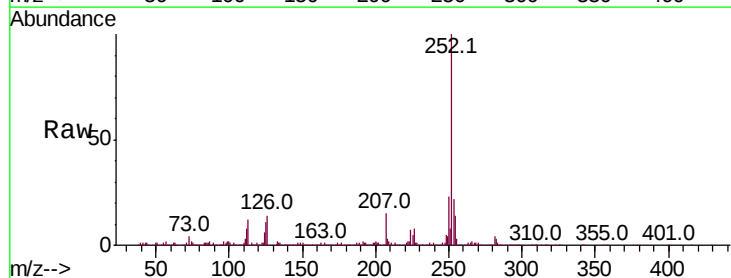
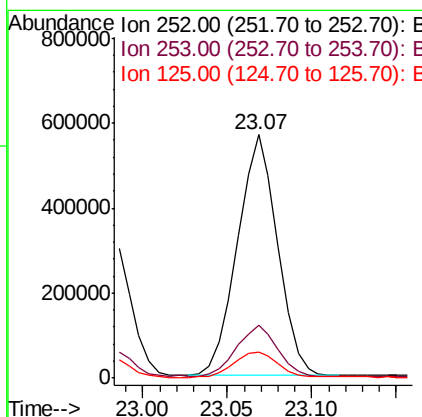
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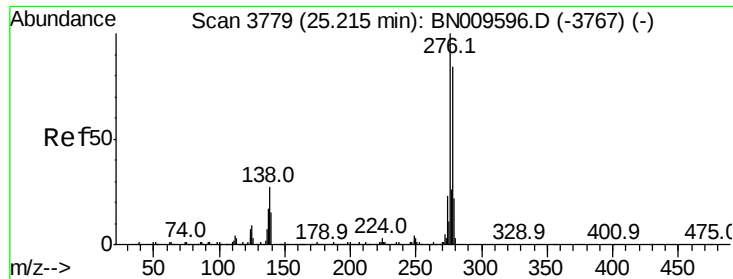
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#90
Benzo(a)pyrene
Concen: 20.279 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. -0.00 min
Lab File: BN009603.D
Acq: 05 Feb 2020 16:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	15.8	23.8
125	10.9	8.7	13.1





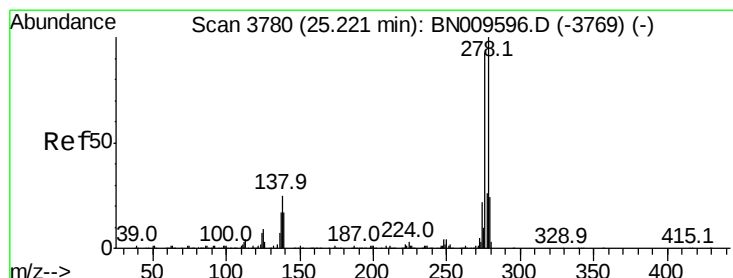
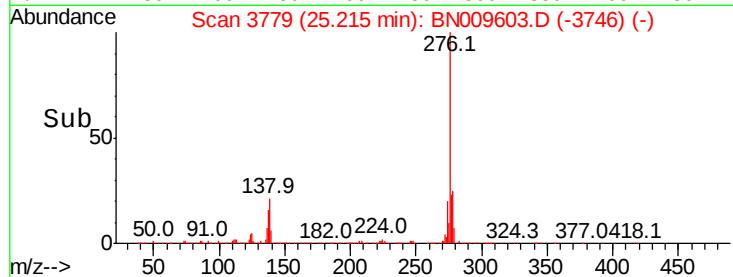
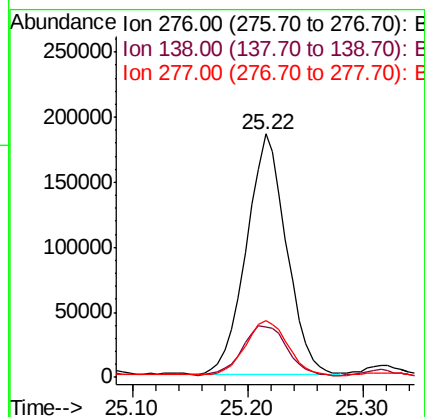
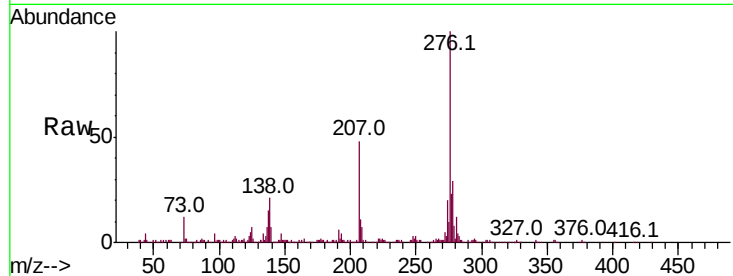
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 8.117 ng/ul
 RT: 25.22 min Scan# 3779
 Delta R.T. -0.01 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7DL

Tot Ion:	276	Resp:	445819
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.3	30.5
277	23.2	21.2	31.8

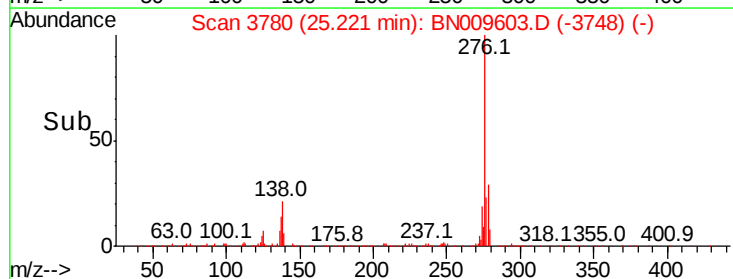
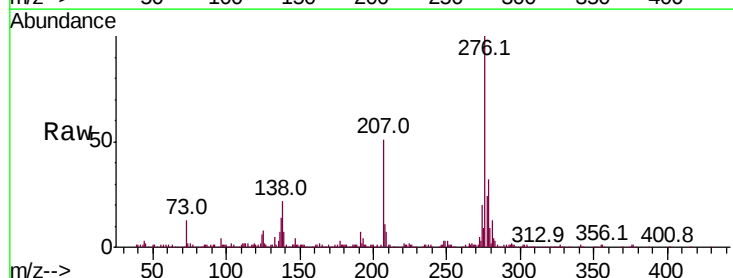
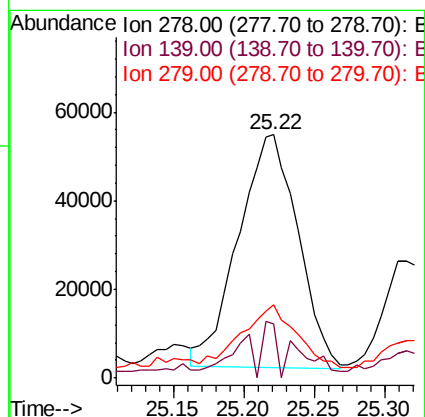
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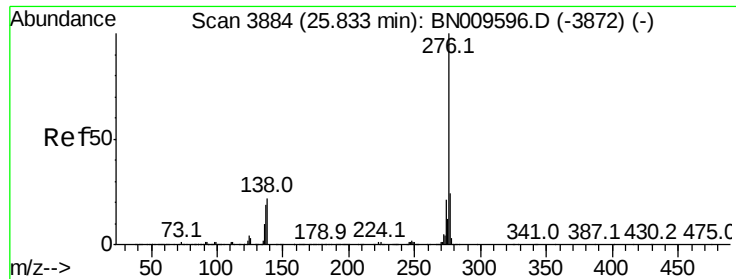
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#92
 Dibenzo(a,h)anthracene
 Concen: 3.362 ng/ul
 RT: 25.22 min Scan# 3780
 Delta R.T. -0.01 min
 Lab File: BN009603.D
 Acq: 05 Feb 2020 16:10

Tgt Ion:	278	Resp:	155439
Ion Ratio	Lower	Upper	
278	100		
139	22.1	12.7	19.1#
279	30.0	19.8	29.8#





#93

Benzo(a,h,i)perylene

Concen: 8.154 ng/ul

RT: 25.84 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BN009603.D

Acq: 05 Feb 2020 16:10

Instrument :

BNA_N

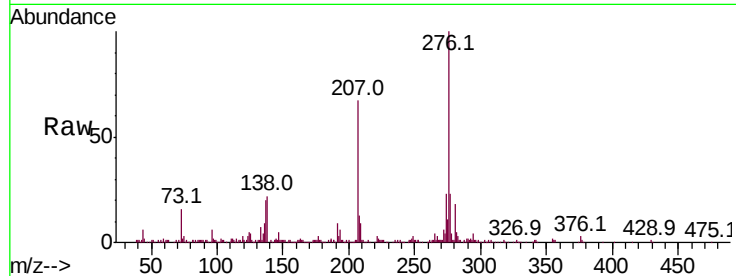
ClientSampleId :

GASZ7DL

Tot Ion:	276	Resp:	375344
Ion Ratio	Lower	Upper	
276	100		
138	21.6	16.0	24.0
277	22.6	17.0	25.6

Manual Integrations
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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

