

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009645.D
 Acq On : 07 Feb 2020 13:12
 Operator : CG/JU
 Sample : L1324-12DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT67DL

Manual Integrations
 APPROVED

mohammad
 2/11/2020 8:23:17 AM

Quant Time: Feb 10 12:42:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 15:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	162083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	679826	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	414166	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	827860	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	753350	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	836520	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1577	0.40	ng/uL	0.01
5) Phenol-d5	6.64	99	30684	2.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	27633	2.91	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	24393	2.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	24563	2.18	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	12715	2.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	12097	2.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	23317	2.21	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.50	166	78951	2.61	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	93719	2.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	4673m	0.82	ng/ul	0.01
57) Fluorene-d10	15.07	176	71614	2.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	6534	1.26	ng/ul	0.01
70) Anthracene-d10	16.93	188	108122	2.87	ng/ul	0.00
78) Pyrene-d10	19.23	212	115763	2.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	116557	2.83	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.24	128	8616890	233.733	ng/ul	99
34) 2-Methylnaphthalene	11.86	142	4351403	168.662	ng/ul	96
40) 1,1'-Biphenyl	12.89	154	463087	14.361	ng/ul	98
47) Acenaphthylene	13.79	152	315741	7.898	ng/ul#	90
49) Acenaphthene	14.14	153	1472711	54.188	ng/ul	100
53) Dibenzofuran	14.47	168	199431	5.270	ng/ul#	87
58) Fluorene	15.13	166	995896	31.487	ng/ul	98
69) Phenanthrene	16.87	178	4977318	105.425	ng/ul	99
71) Anthracene	16.96	178	1106392	23.096	ng/ul	99
74) Carbazole	17.24	167	81734	1.960	ng/ul#	94
76) Fluoranthene	18.90	202	1074390	19.939	ng/ul	100
79) Pyrene	19.26	202	1598232	29.062	ng/ul	96
82) Benzo(a)anthracene	21.03	228	571593m	10.989	ng/ul	
84) Chrysene	21.08	228	487397	9.412	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	297555	5.685	ng/ul	96
88) Benzo(k)fluoranthene	22.57	252	89271m	1.732	ng/ul	
90) Benzo(a)pyrene	23.07	252	346335	7.142	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.22	276	119694	2.076	ng/ul	98
93) Benzo(g,h,i)perylene	25.85	276	111663	2.311	ng/ul	99

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

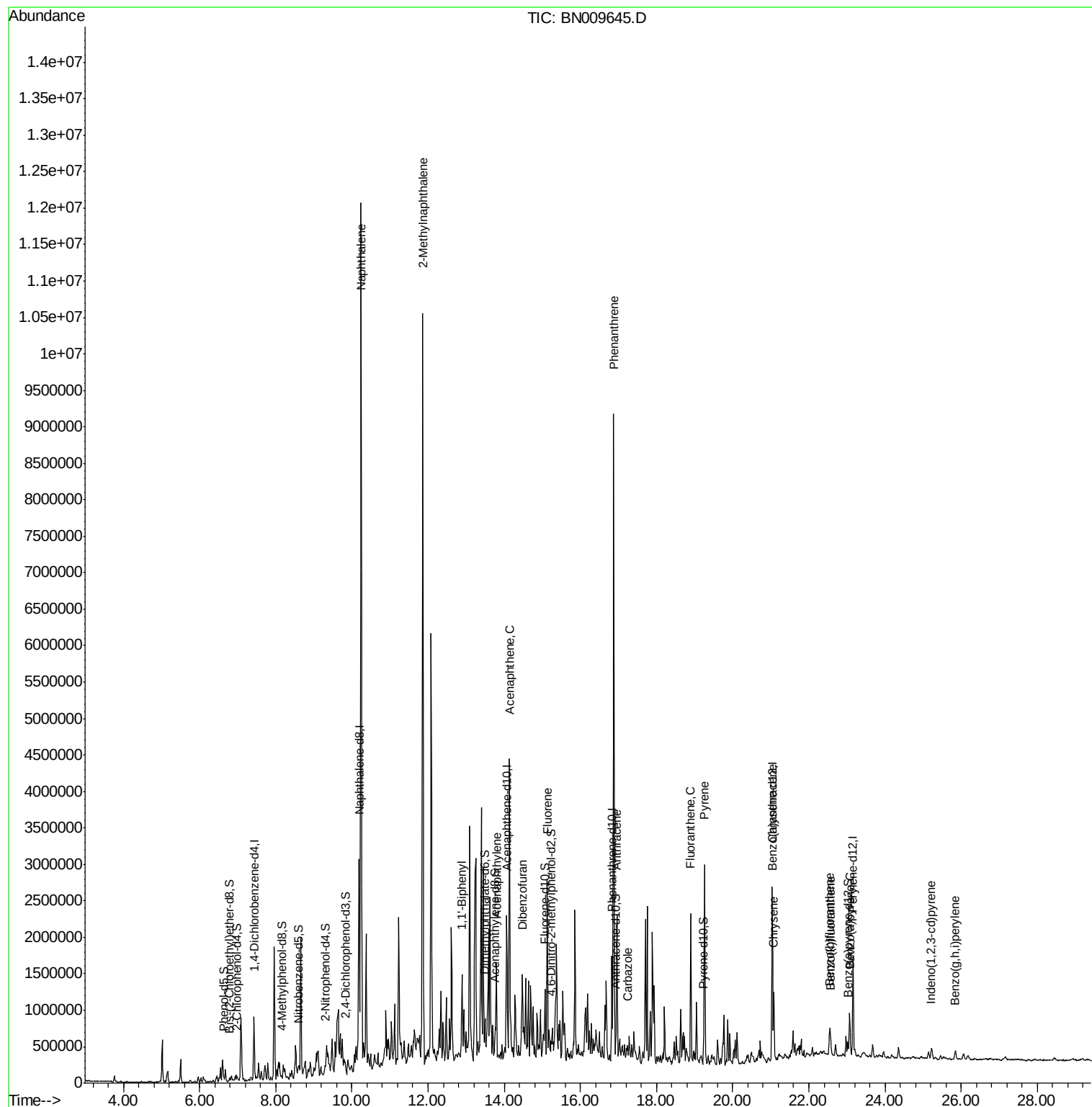
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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ALS Vial : 40 Sample Multiplier: 1

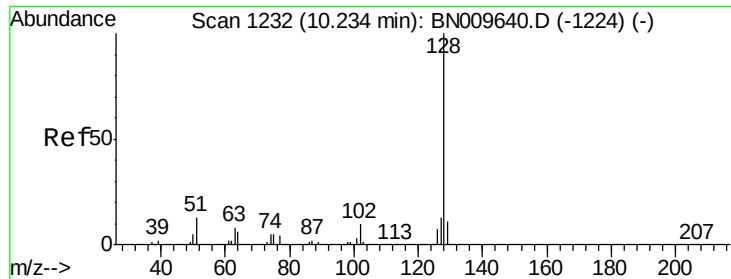
Instrument :
BNA_N
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GAT67DL

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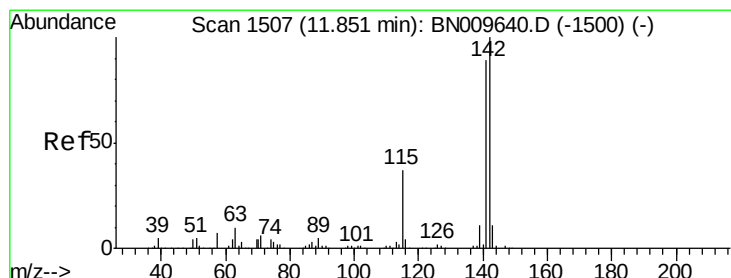
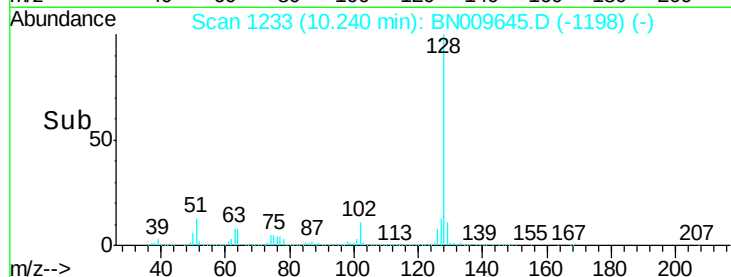
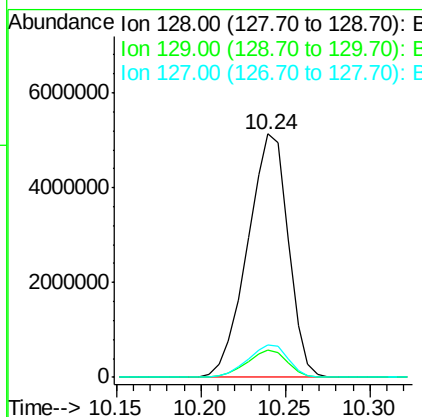
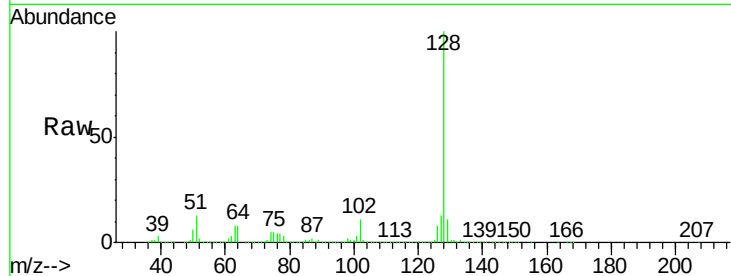
#28
Naphthalene
Concen: 233.733 ng/ul
RT: 10.24 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT67DL

Tot Ion:128 Resp: 8616890
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.3 10.7 16.1

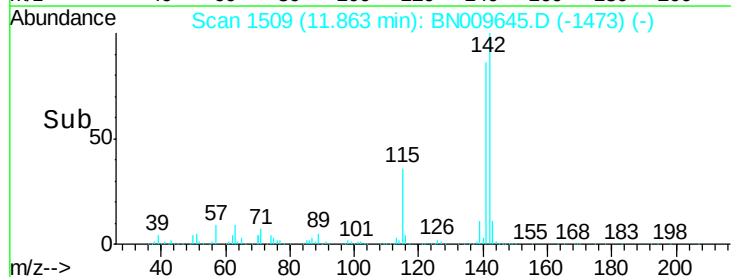
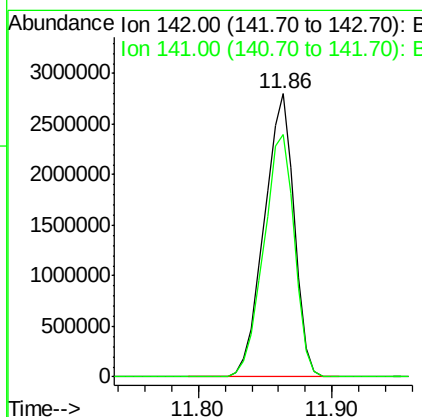
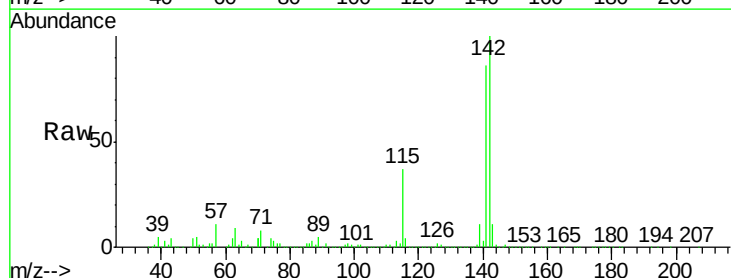
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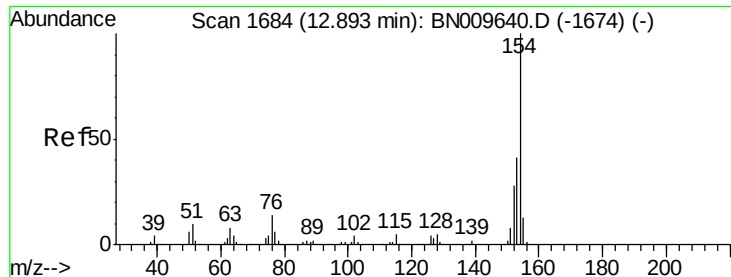
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#34
2-Methylnaphthalene
Concen: 168.662 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Tgt Ion:142 Resp: 4351403
Ion Ratio Lower Upper
142 100
141 85.8 71.5 107.3





#40

1,1'-Biphenyl

Concen: 14.361 ng/ul

RT: 12.89 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

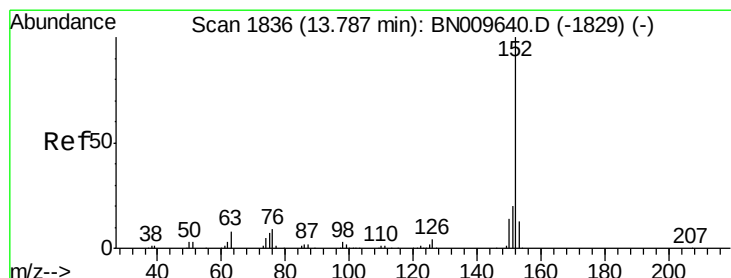
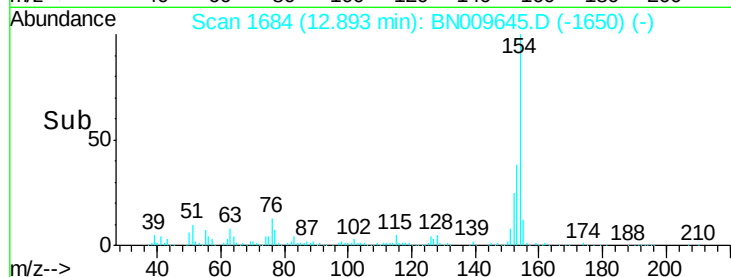
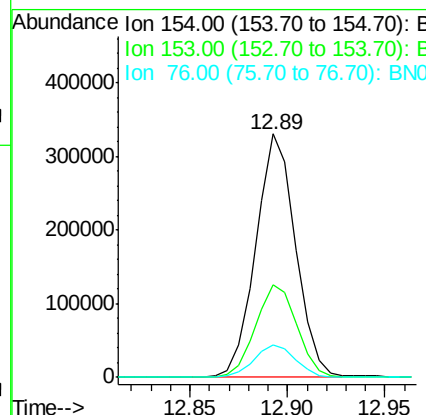
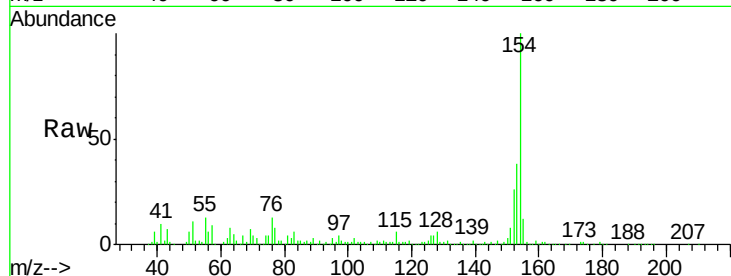
ClientSampleId :

GAT67DL

Tot Ion:	154	Resp:	463087
Ion Ratio	Lower	Upper	
154	100		
153	37.9	31.2	46.8
76	13.5	11.4	17.2

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#47

Acenaphthylene

Concen: 7.898 ng/ul

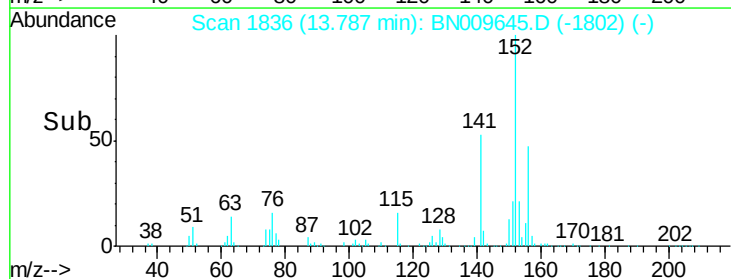
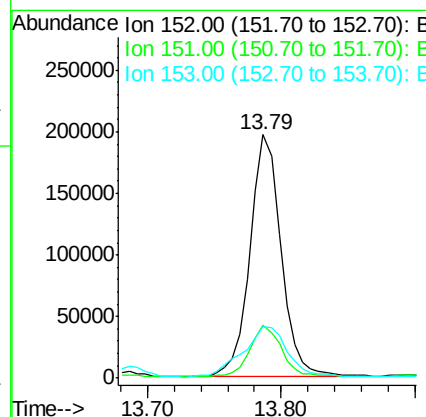
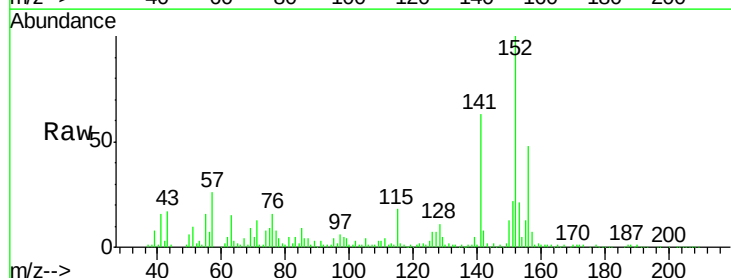
RT: 13.79 min Scan# 1836

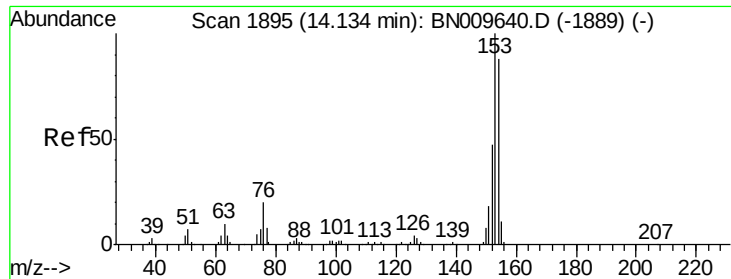
Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Tgt Ion:	152	Resp:	315741
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.2	24.2
153	21.1	10.6	15.8#





#49

Acenaphthene

Concen: 54.188 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. 0.01 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

ClientSampled :

GAT67DL

Tot Ion:153 Resp: 1472711

Ion Ratio Lower Upper

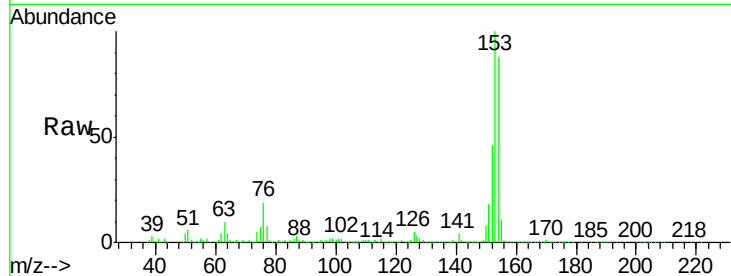
153 100

152 46.0 37.3 55.9

154 87.8 70.2 105.2

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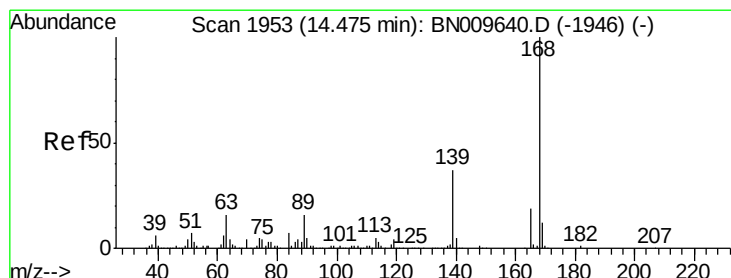
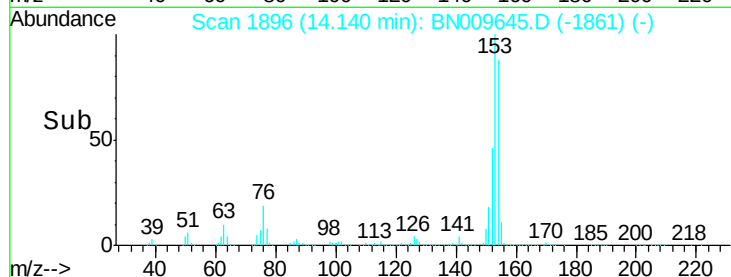
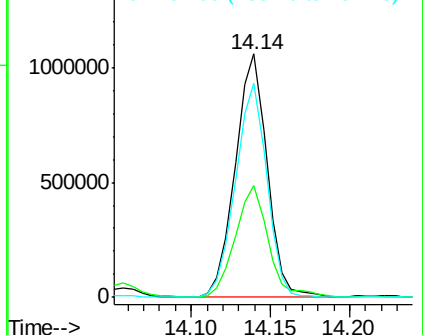
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 5.270 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BN009645.D

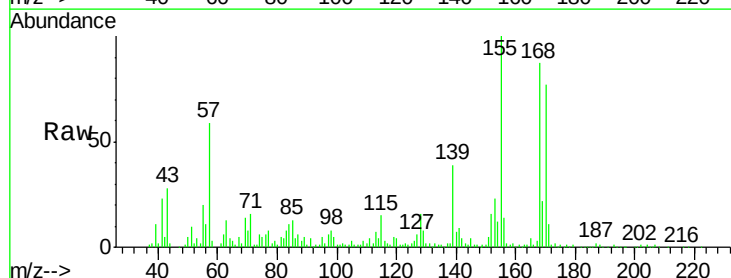
Acq: 07 Feb 2020 13:12

Tgt Ion:168 Resp: 199431

Ion Ratio Lower Upper

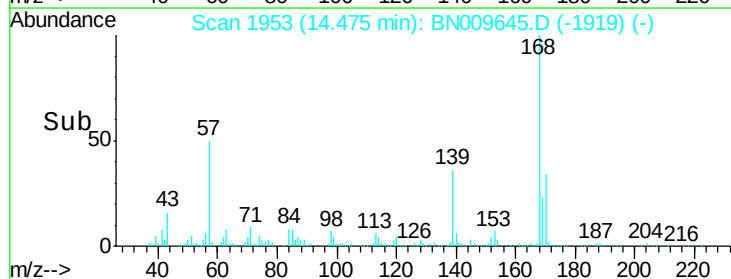
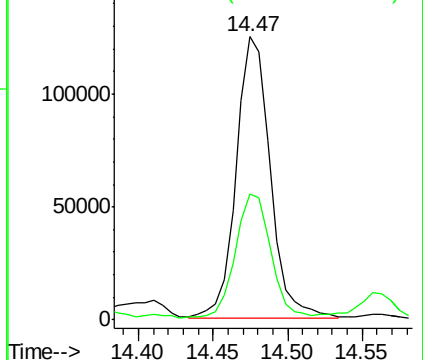
168 100

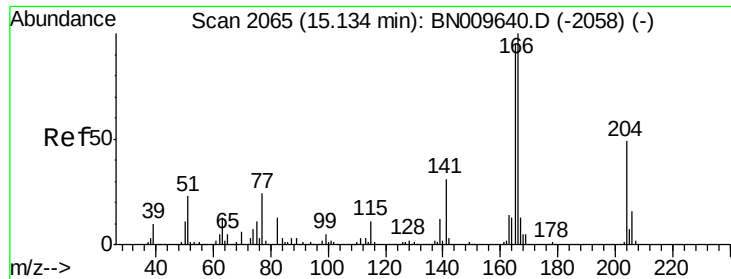
139 44.5 29.5 44.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 31.487 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

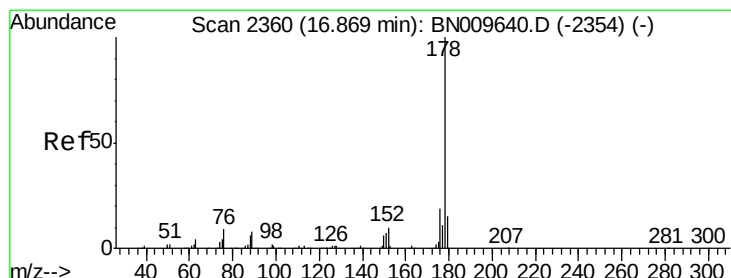
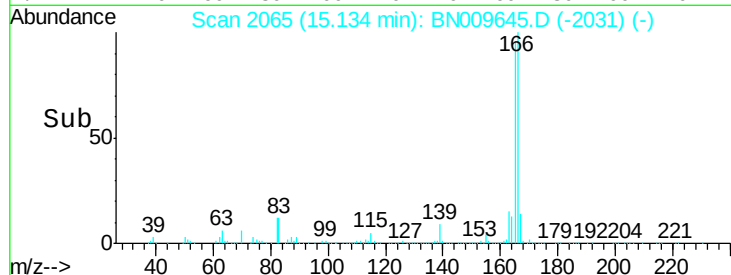
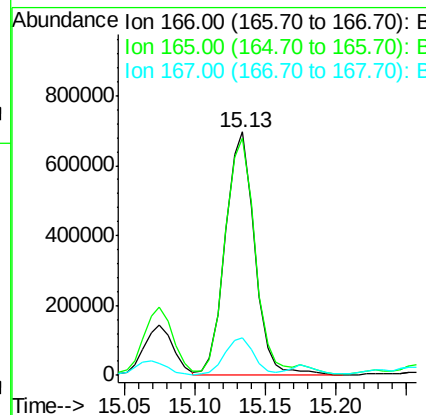
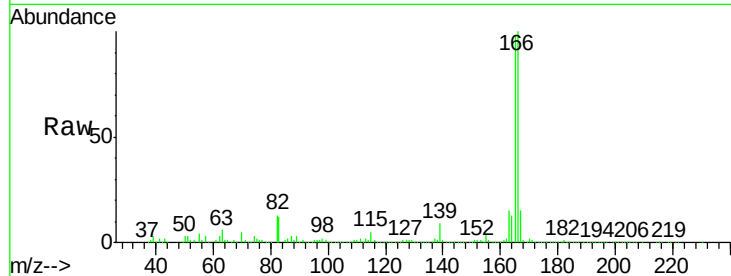
ClientSampleId :

GAT67DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.7	115.1
167	15.4	11.1	16.7

Manual Integrations
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#69

Phenanthrene

Concen: 105.425 ng/ul

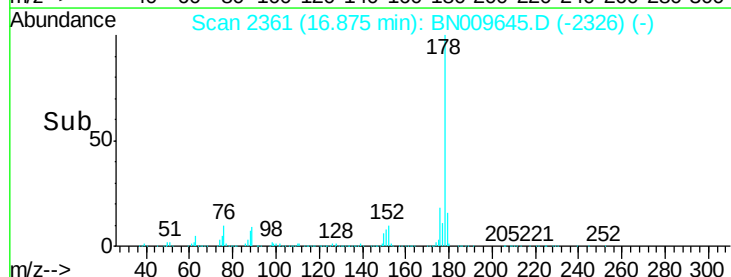
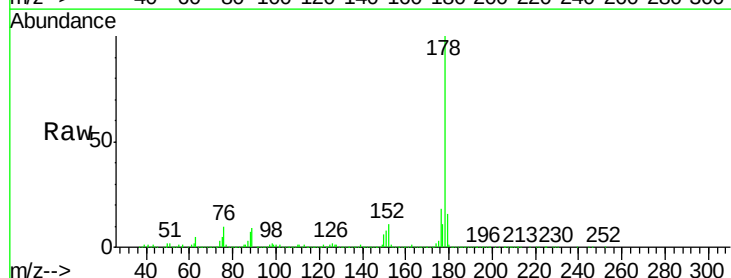
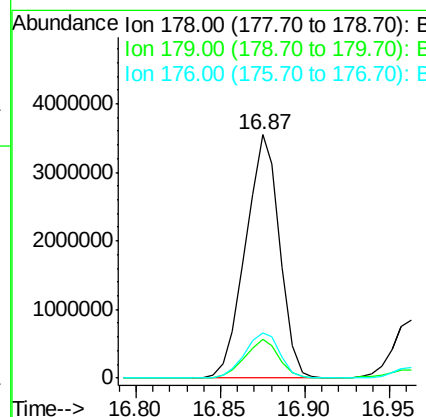
RT: 16.87 min Scan# 2361

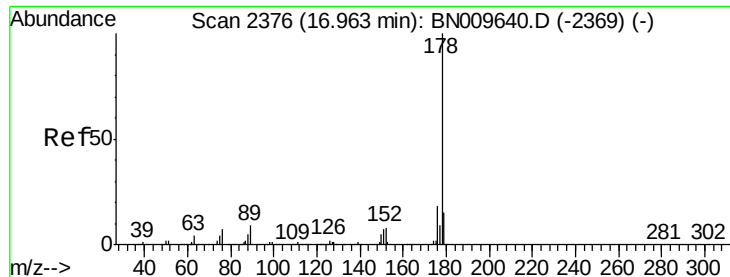
Delta R.T. 0.01 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	18.4	14.8	22.2





#71

Anthracene

Concen: 23.096 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

ClientSampled :

GAT67DL

Tot Ion:178 Resp: 1106392

Ion Ratio Lower Upper

178 100

179 14.7 12.1 18.1

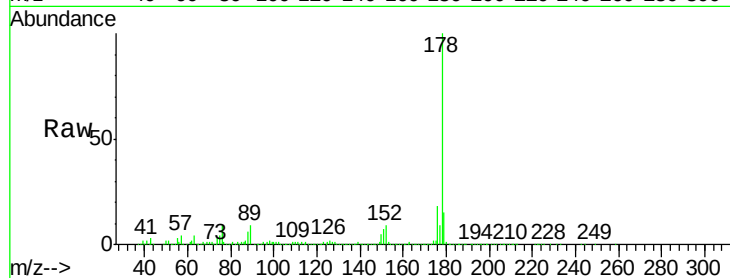
176 17.6 14.6 21.8

Manual Integrations

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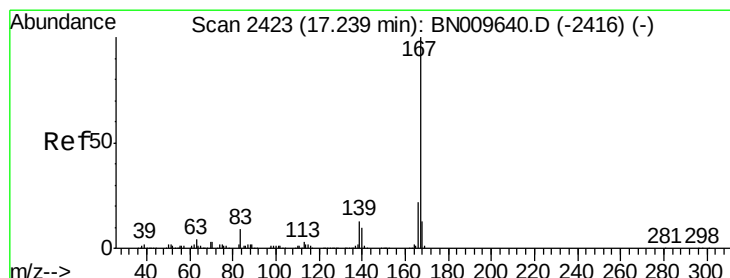
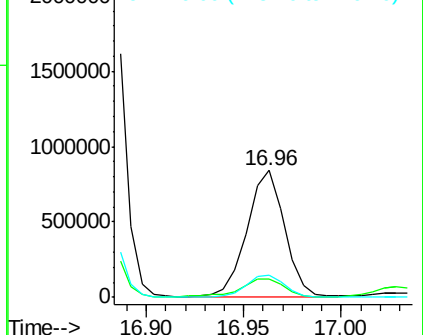
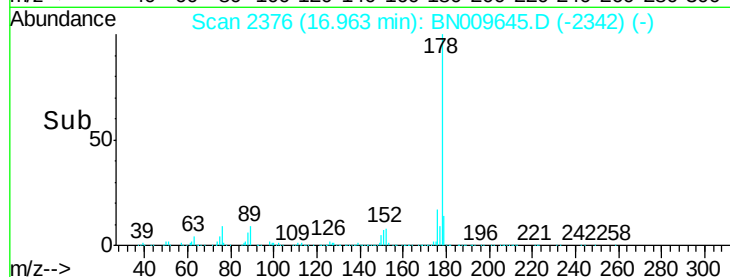
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 1.960 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

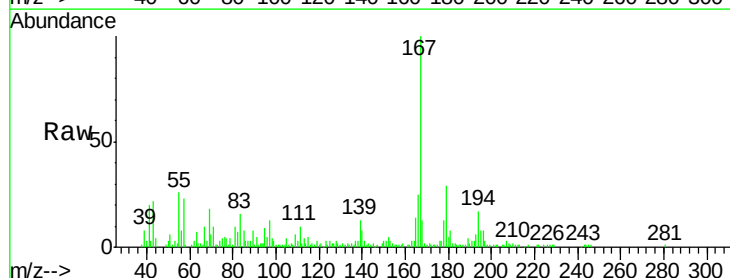
Tgt Ion:167 Resp: 81734

Ion Ratio Lower Upper

167 100

166 24.6 16.2 24.4#

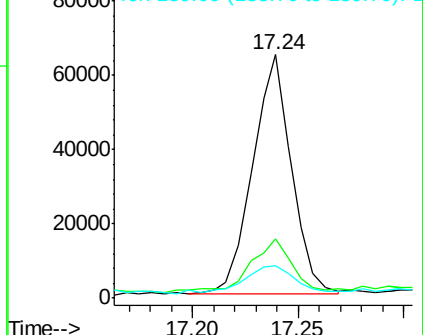
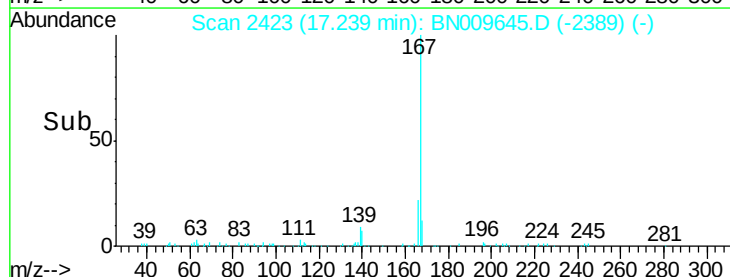
139 13.2 10.4 15.6

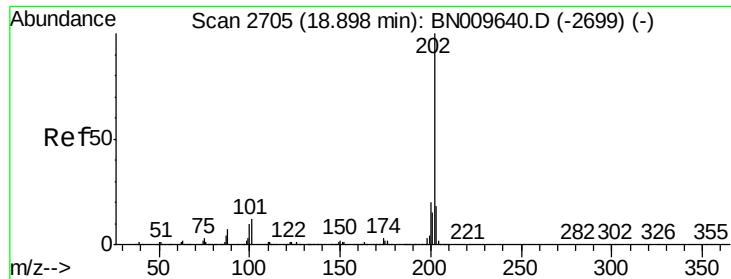


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





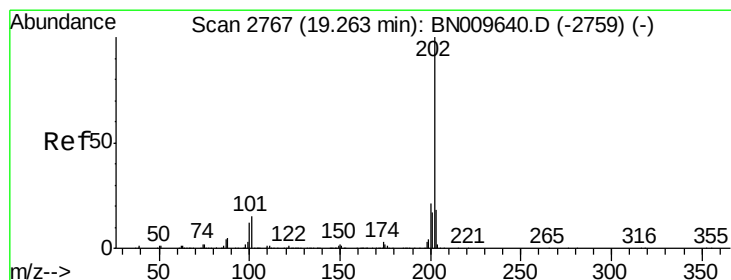
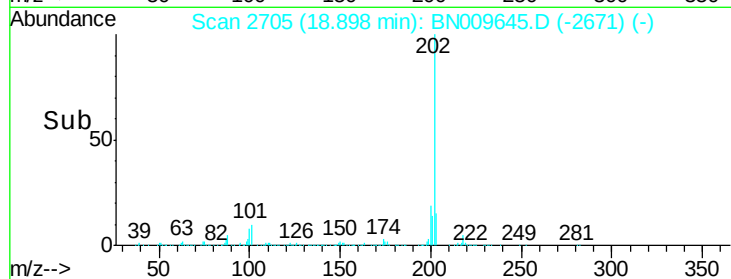
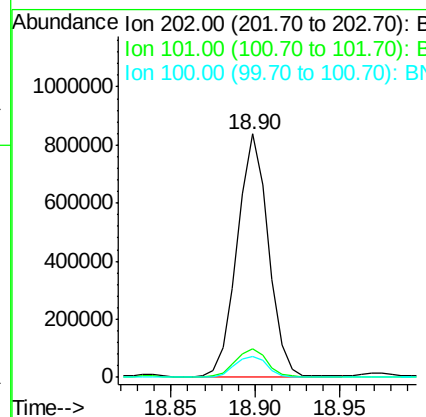
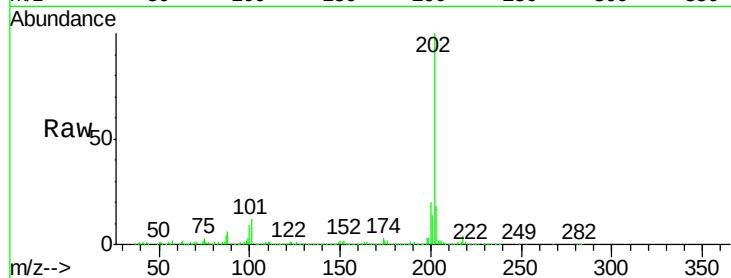
#76
Fluoranthene
Concen: 19.939 ng/ul
RT: 18.90 min Scan# 2705
Delta R.T. 0.00 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT67DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.2	13.8
100	8.7	6.9	10.3

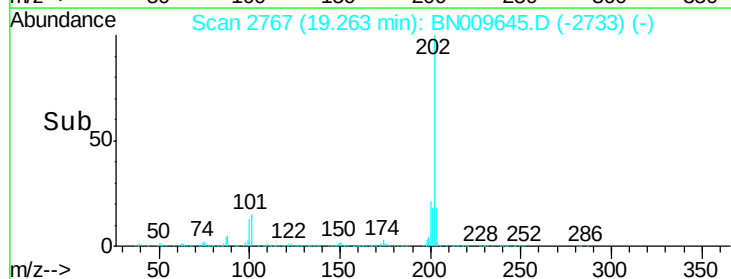
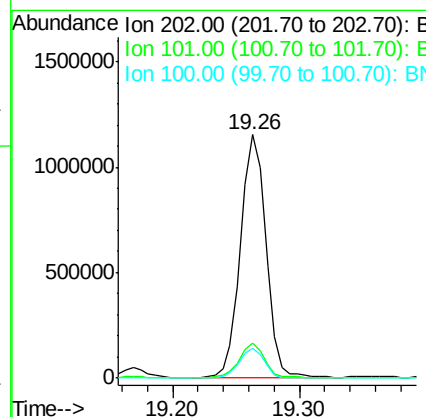
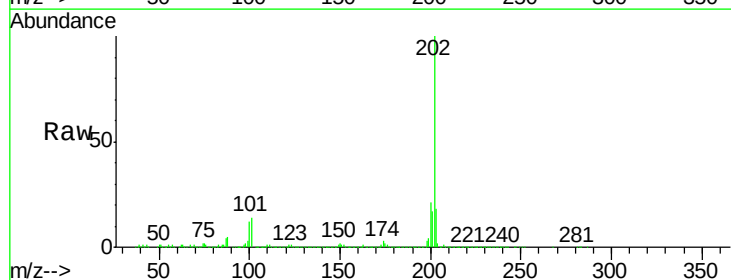
Manual Integrations
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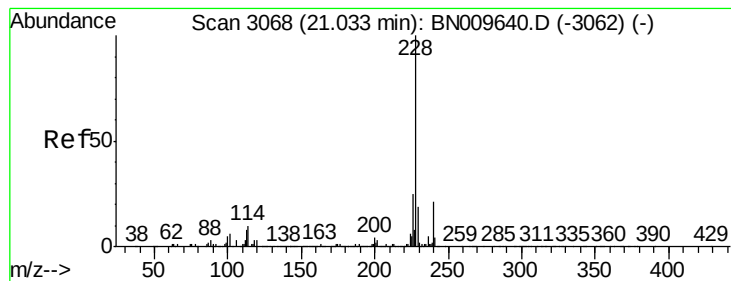
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#79
Pyrene
Concen: 29.062 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. 0.00 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.3	15.5
100	12.2	8.4	12.6





#82

Benzo(a)anthracene

Concen: 10.989 ng/ul m

RT: 21.03 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

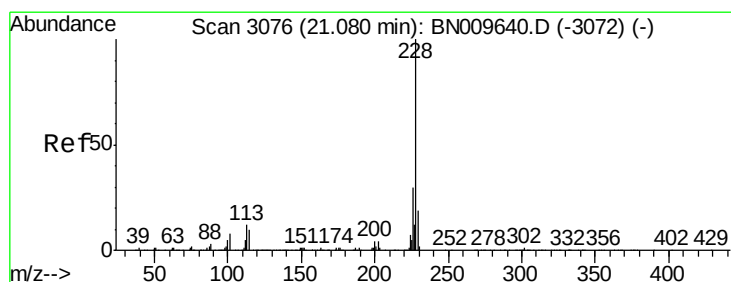
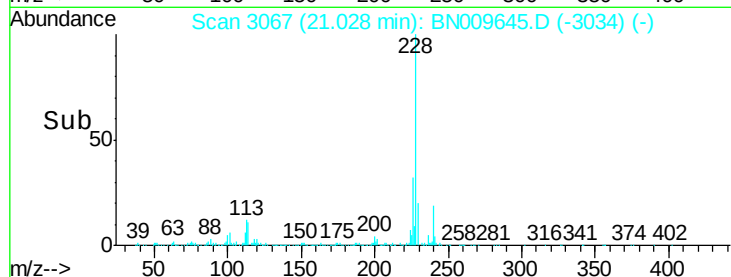
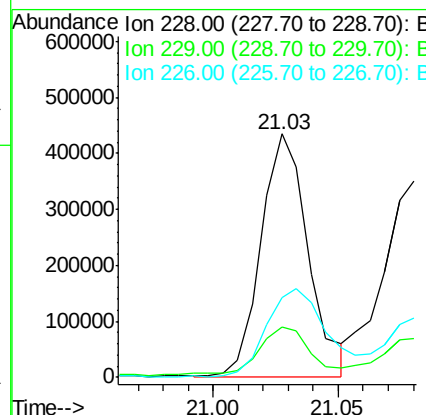
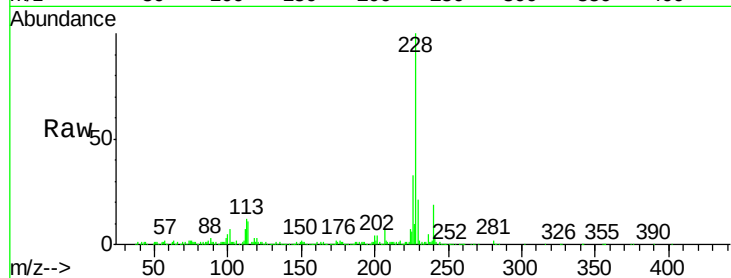
ClientSampled :

GAT67DL

Tot Ion:	228	Resp:	571593
Ion Ratio		Lower	Upper
228	100		
229	20.8	15.0	22.4
226	32.8	20.9	31.3#

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#84

Chrysene

Concen: 9.412 ng/ul

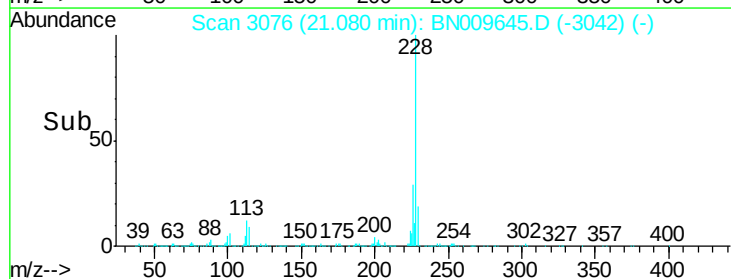
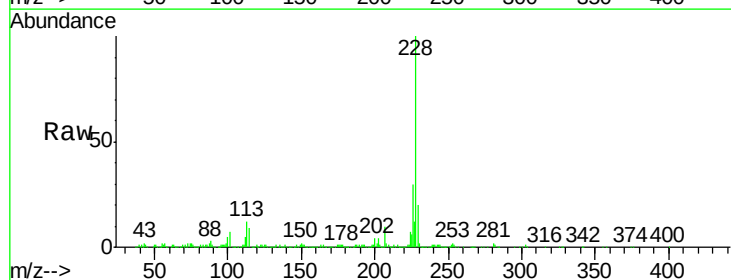
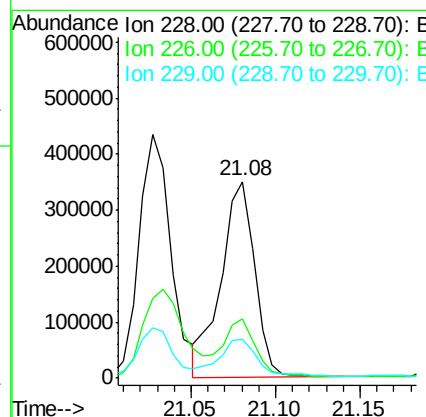
RT: 21.08 min Scan# 3076

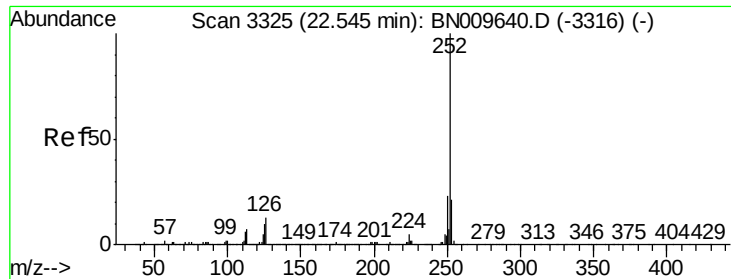
Delta R.T. 0.00 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Tgt Ion:	228	Resp:	487397
Ion Ratio		Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.7	15.8	23.8





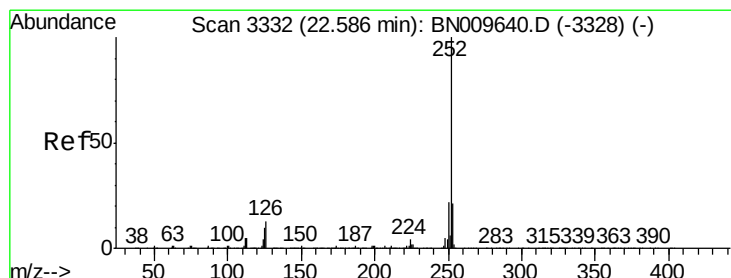
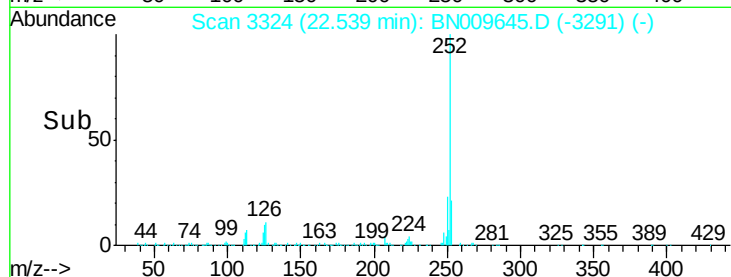
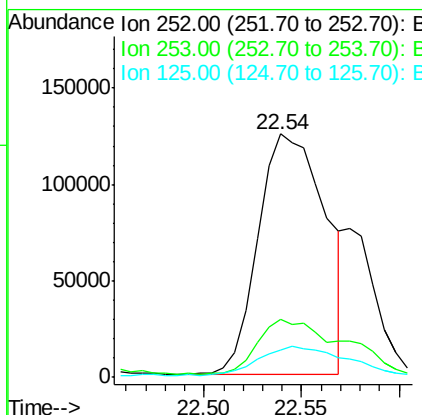
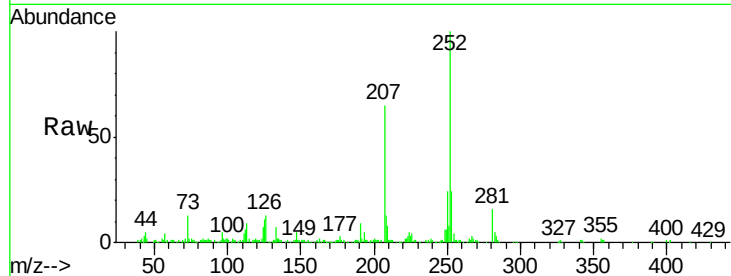
#87
Benzo(b)fluoranthene
Concen: 5.685 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT67DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.4	8.2	12.2

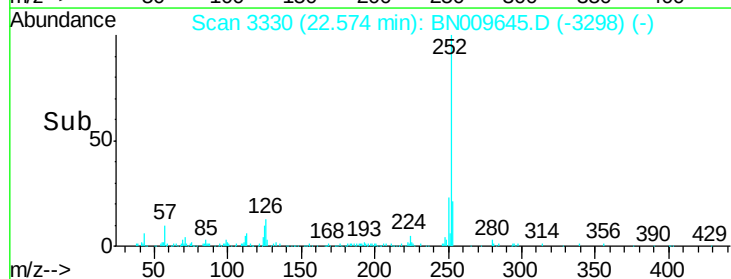
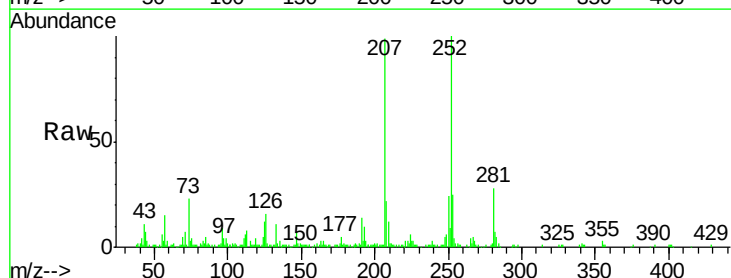
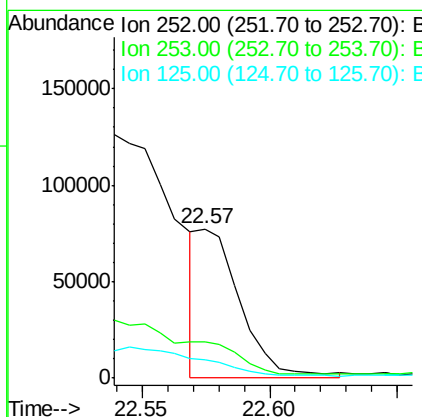
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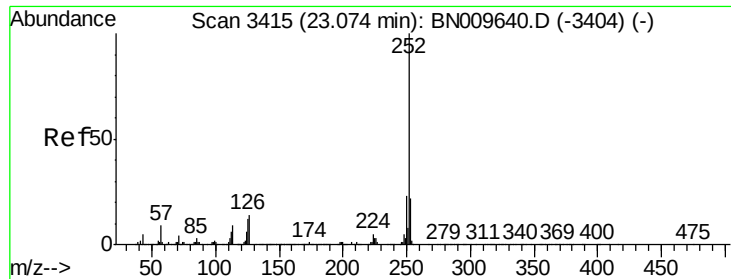
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#88
Benzo(k)fluoranthene
Concen: 1.732 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.6	17.0	25.4
125	12.3	8.0	12.0#





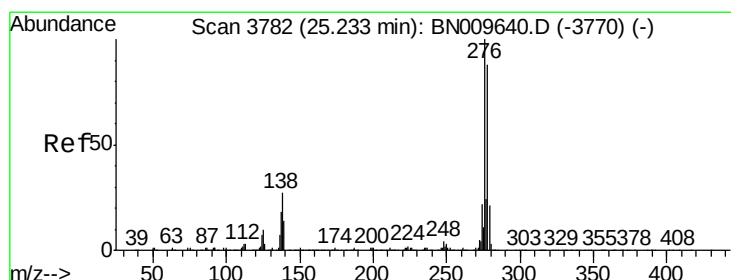
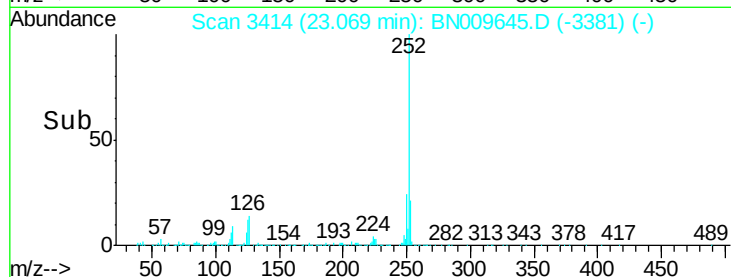
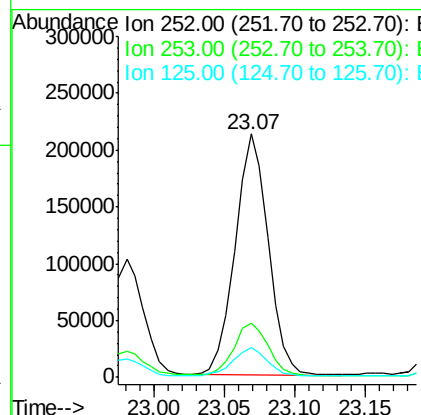
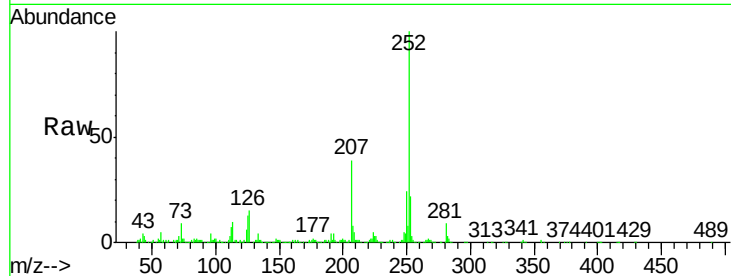
#90
Benzo(a)pyrene
Concen: 7.142 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. -0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Instrument :
BNA_N
ClientSampled :
GAT67DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	346335		
253	22.2		15.8	23.8
125	12.5		8.7	13.1

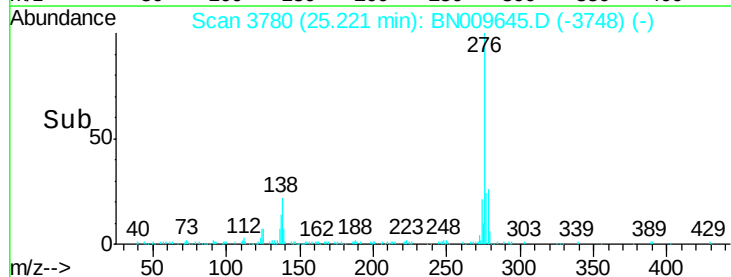
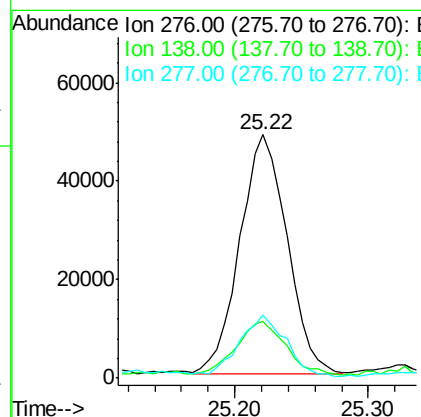
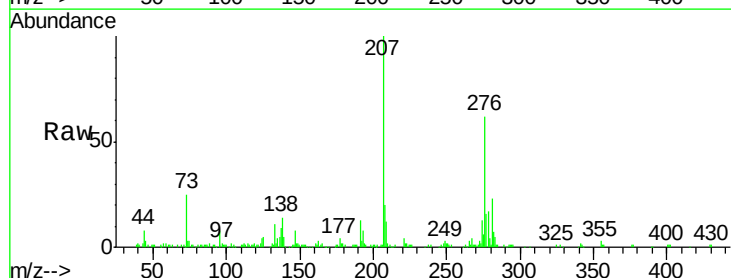
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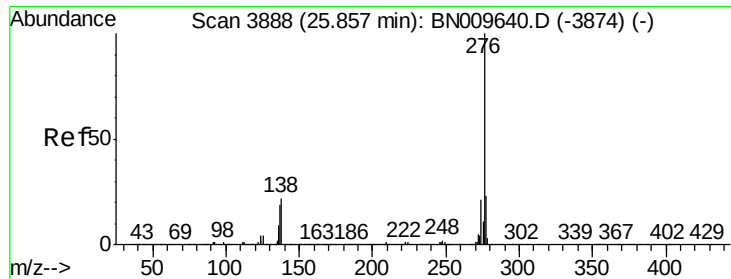
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#91
Indeno(1,2,3-cd)pyrene
Concen: 2.076 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BN009645.D
Acq: 07 Feb 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	119694		
138	23.2		20.3	30.5
277	26.2		21.2	31.8





#93

Benzo(a,h,i)perylene

Concen: 2.311 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BN009645.D

Acq: 07 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT67DL

Tot Ion:	276	Resp:	111663
Ion Ratio		Lower	Upper
276	100		
138	20.9	16.0	24.0
277	20.8	17.0	25.6

Manual Integrations
APPROVED

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