

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009647.D
 Acq On : 07 Feb 2020 14:24
 Operator : CG/JU
 Sample : L1324-09 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT66

Manual Integrations
 APPROVED

mohammad
 2/11/2020 8:23:19 AM

Quant Time: Feb 10 12:46:06 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	177695	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	734229	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	452284	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	868086	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	768566	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	840397	20.00	ng/ul	0.00

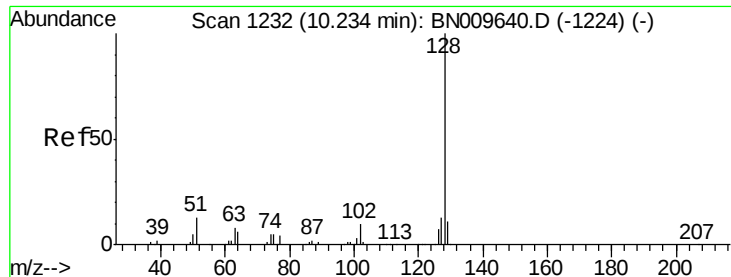
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	699	0.16	ng/uL	0.02
5) Phenol-d5	6.64	99	32467	2.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	26645	2.56	ng/ul	0.01
9) 2-Chlorophenol-d4	6.98	132	24851	2.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	26153	2.12	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	15566	2.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	12328	2.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	25282	2.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	22207	1.81	ng/ul	0.04
43) Dimethylphthalate-d6	13.50	166	81121	2.46	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	91412	2.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	10225	1.64	ng/ul	0.02
57) Fluorene-d10	15.08	176	67825	2.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	6953m	1.28	ng/ul	0.02
70) Anthracene-d10	16.93	188	102829m	2.61	ng/ul	0.00
78) Pyrene-d10	19.24	212	103917	2.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	101227	2.45	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.25	128	18754742	471.028	ng/ul	96
34) 2-Methylnaphthalene	11.88	142	13519392	485.189	ng/ul	99
40) 1,1'-Biphenyl	12.90	154	1494966	42.453	ng/ul	99
47) Acenaphthylene	13.80	152	8144192	186.546	ng/ul	99
49) Acenaphthene	14.14	153	630393	21.240	ng/ul	99
53) Dibenzofuran	14.47	168	667122	16.142	ng/ul	91
58) Fluorene	15.14	166	4029979	116.676	ng/ul	98
69) Phenanthrene	16.89	178	15116840	305.354	ng/ul	95
71) Anthracene	16.97	178	4098693	81.596	ng/ul	99
74) Carbazole	17.24	167	99305	2.271	ng/ul#	79
76) Fluoranthene	18.91	202	8381001	148.330	ng/ul	95
79) Pyrene	19.29	202	15218876m	271.255	ng/ul	
82) Benzo(a)anthracene	21.04	228	4894940m	92.244	ng/ul	
84) Chrysene	21.09	228	4335519	82.069	ng/ul	98
87) Benzo(b)fluoranthene	22.56	252	4902954	93.248	ng/ul	97
88) Benzo(k)fluoranthene	22.59	252	1578348m	30.481	ng/ul	
90) Benzo(a)pyrene	23.09	252	4952918	101.670	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.25	276	2439063	42.112	ng/ul	96
92) Dibenzo(a,h)anthracene	25.24	278	732768	15.030	ng/ul#	94
93) Benzo(g,h,i)perylene	25.88	276	2484740	51.188	ng/ul	94

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



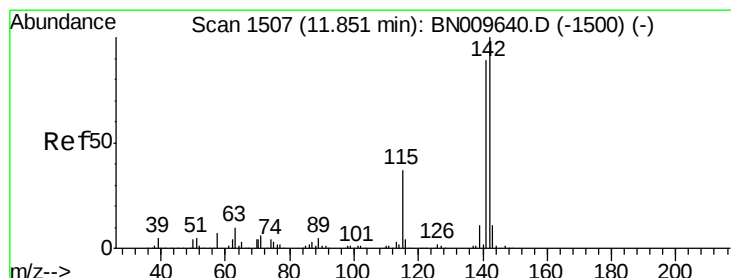
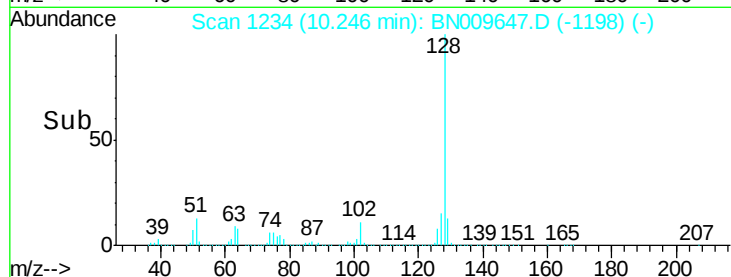
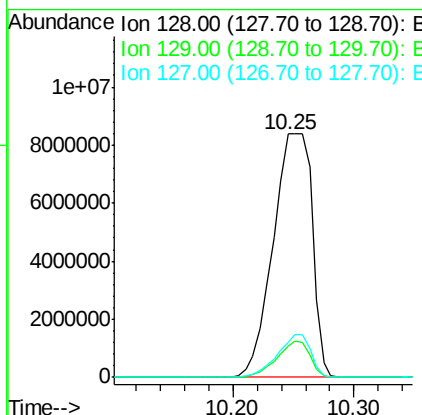
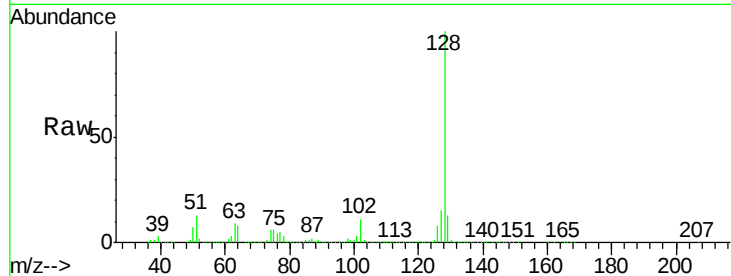
#28
Naphthalene
Concen: 471.028 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT66

Tot Ion:128 Resp:18754742
Ion Ratio Lower Upper
128 100
129 12.6 8.7 13.1
127 14.5 10.7 16.1

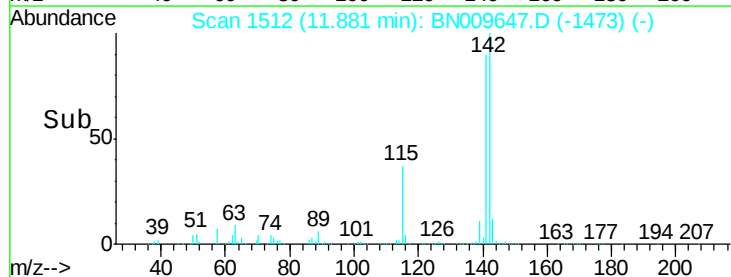
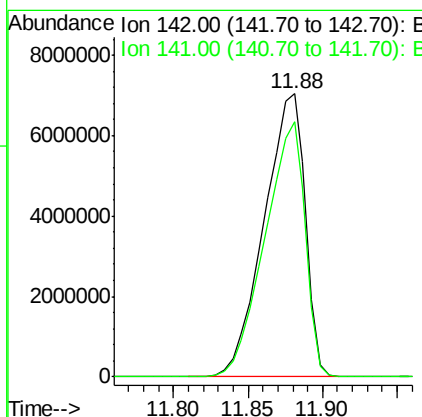
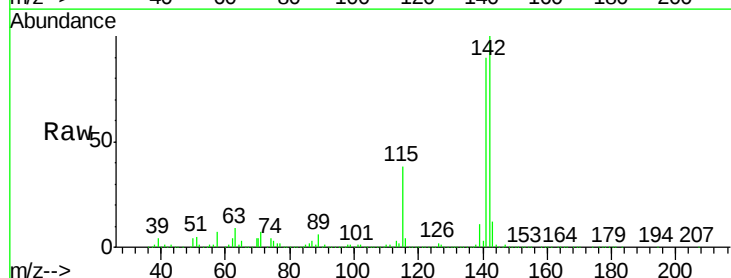
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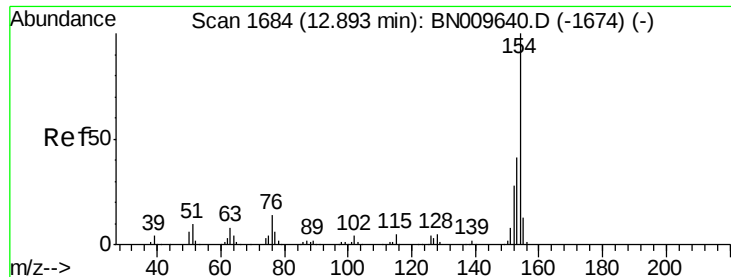
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#34
2-Methylnaphthalene
Concen: 485.189 ng/ul
RT: 11.88 min Scan# 1512
Delta R.T. 0.03 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Tgt Ion:142 Resp:13519392
Ion Ratio Lower Upper
142 100
141 90.0 71.5 107.3





#40

1,1'-Biphenyl

Concen: 42.453 ng/ul

RT: 12.90 min Scan# 1685

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

ClientSampled :

GAT66

Tot Ion:154 Resp: 1494966

Ion Ratio Lower Upper

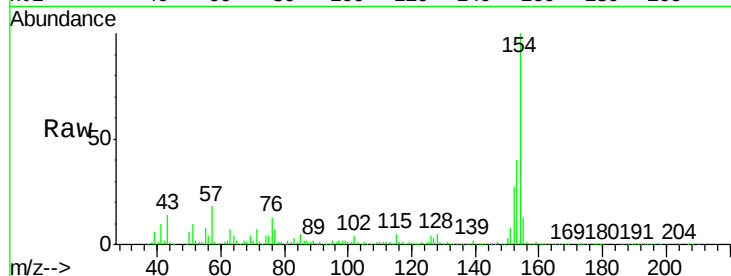
154 100

153 39.7 31.2 46.8

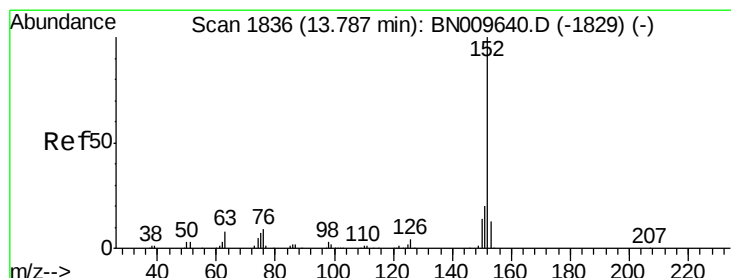
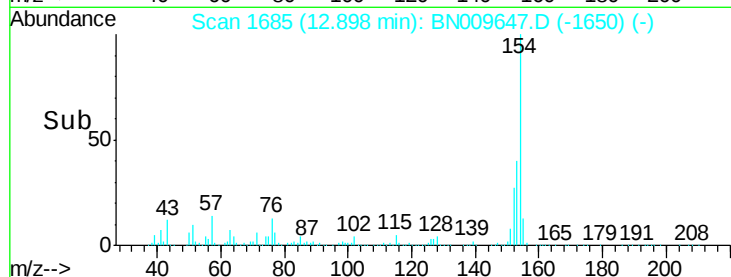
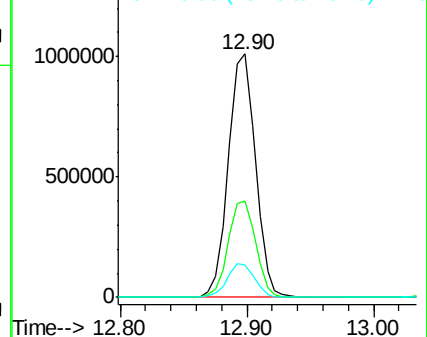
76 13.4 11.4 17.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 186.546 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

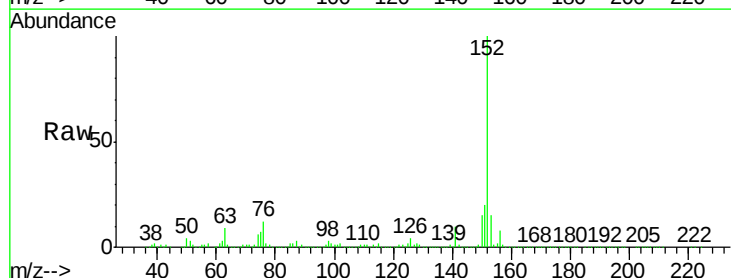
Tgt Ion:152 Resp: 8144192

Ion Ratio Lower Upper

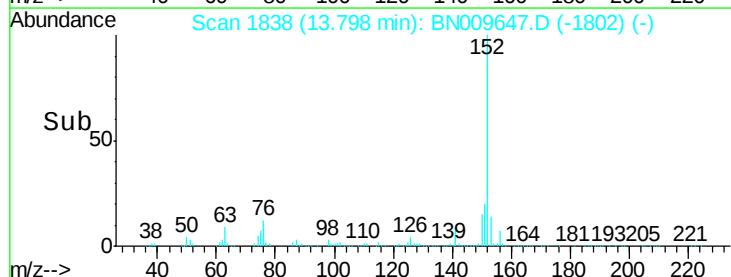
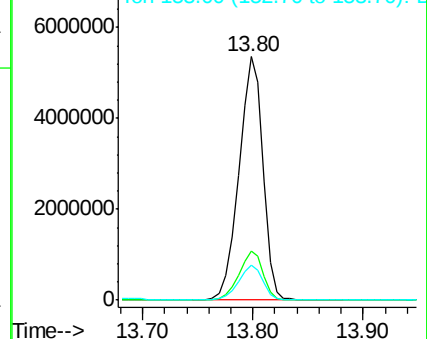
152 100

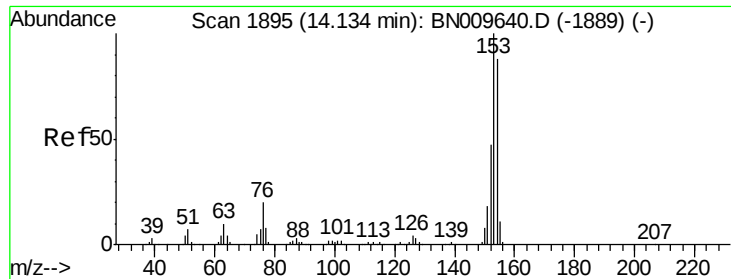
151 20.1 16.2 24.2

153 14.5 10.6 15.8



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: 21.240 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

ClientSampled :

GAT66

Tot Ion:153 Resp: 630393

Ion Ratio Lower Upper

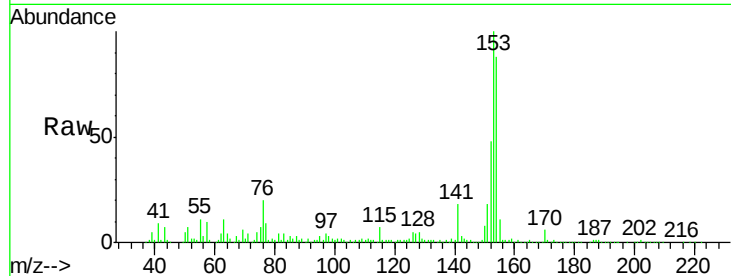
153 100

152 47.9 37.3 55.9

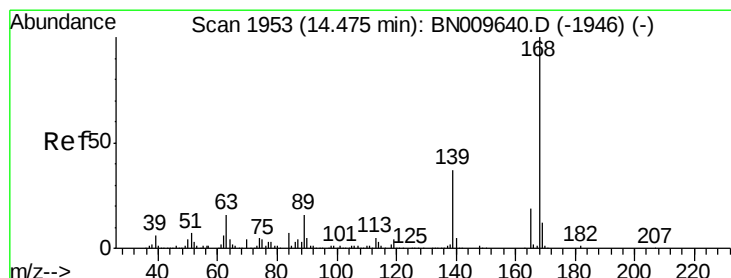
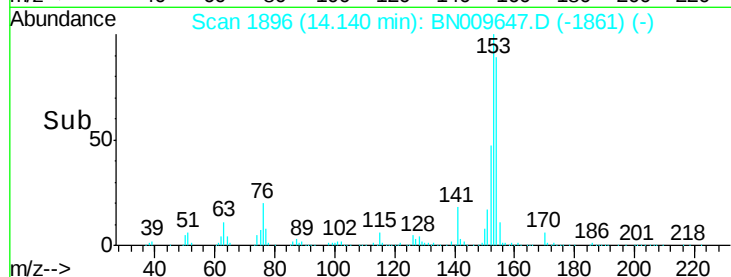
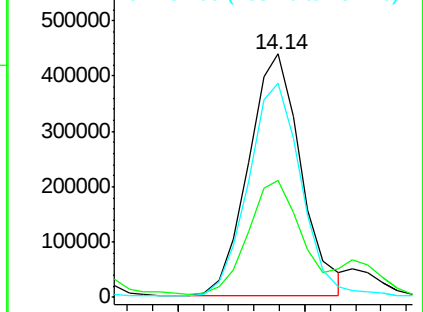
154 88.0 70.2 105.2

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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: 16.142 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN009647.D

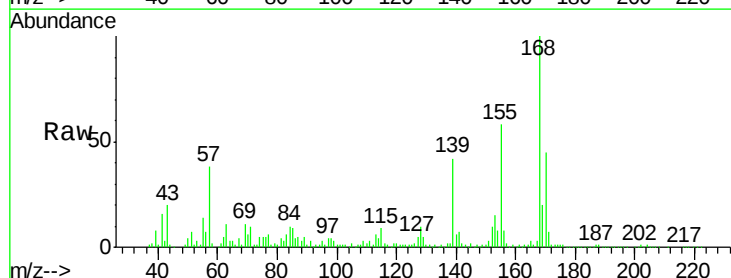
Acq: 07 Feb 2020 14:24

Tgt Ion:168 Resp: 667122

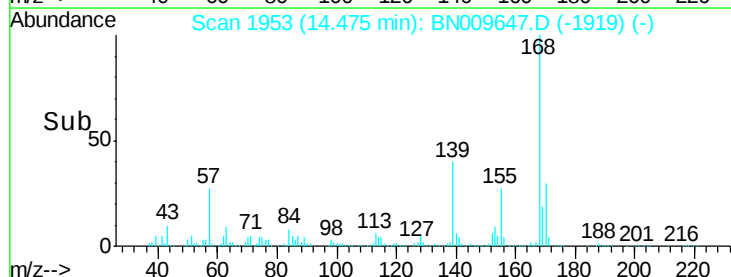
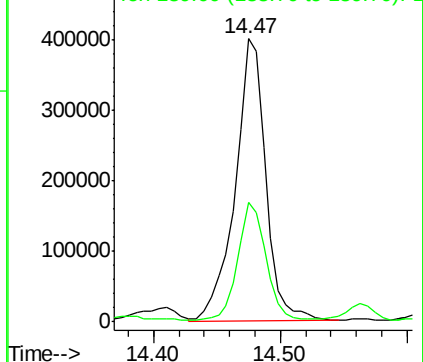
Ion Ratio Lower Upper

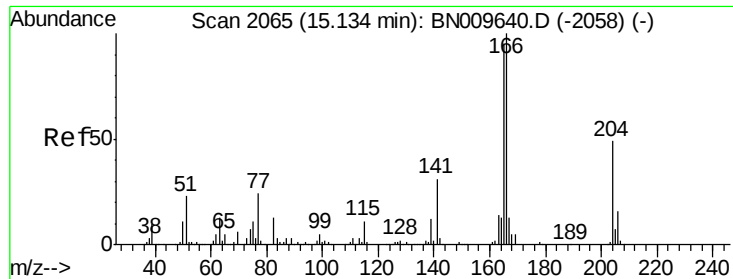
168 100

139 42.1 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





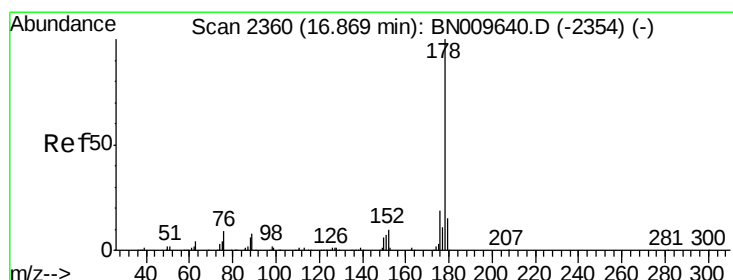
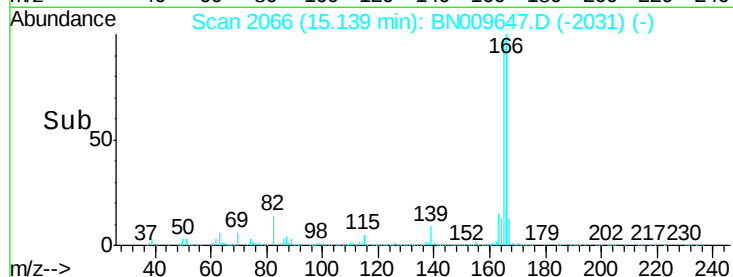
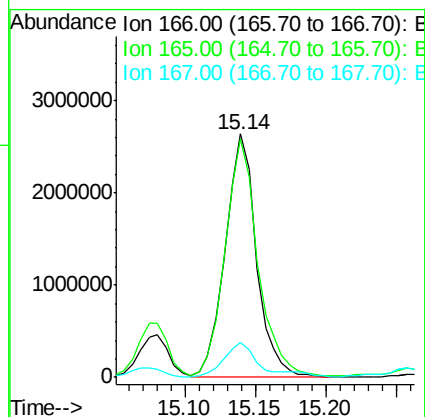
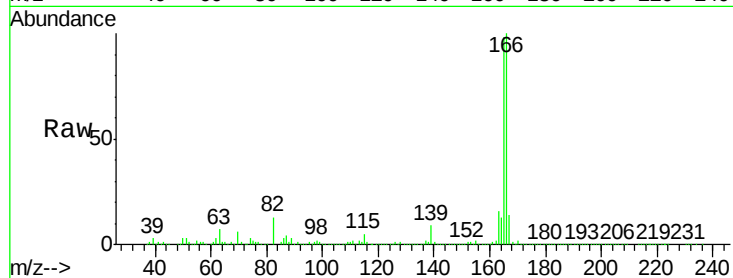
#58
Fluorene
Concen: 116.676 ng/ul
RT: 15.14 min Scan# 2066
Delta R.T. 0.01 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT66

Tot Ion:166 Resp: 4029979
Ion Ratio Lower Upper
166 100
165 98.0 76.7 115.1
167 14.2 11.1 16.7

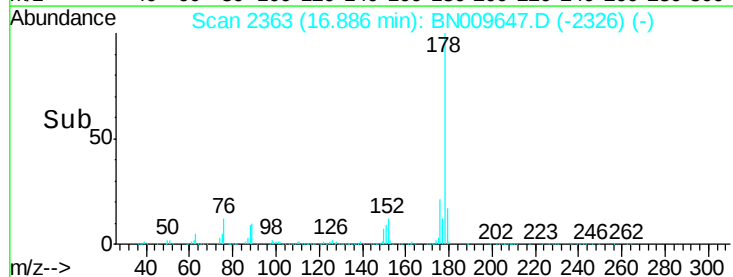
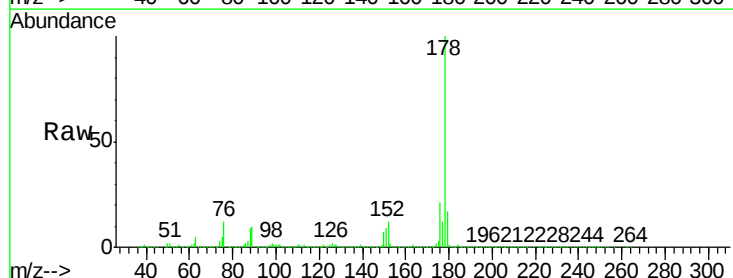
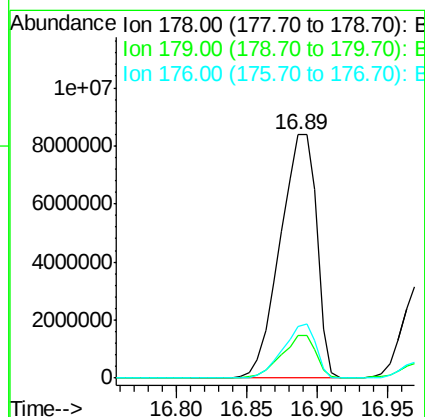
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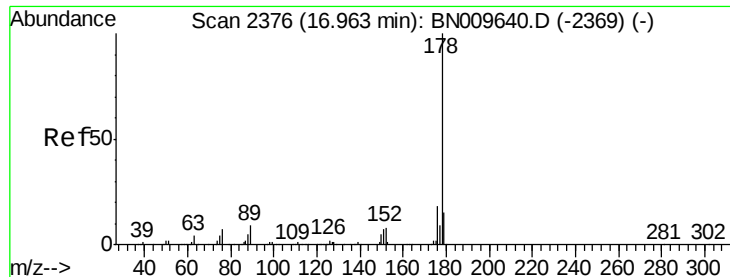
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#69
Phenanthrene
Concen: 305.354 ng/ul
RT: 16.89 min Scan# 2363
Delta R.T. 0.02 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Tgt Ion:178 Resp:15116840
Ion Ratio Lower Upper
178 100
179 17.3 12.2 18.2
176 21.1 14.8 22.2





#71
 Anthracene
 Concen: 81.596 ng/ul
 RT: 16.97 min Scan# 2377
 Delta R.T. 0.01 min
 Lab File: BN009647.D
 Acq: 07 Feb 2020 14:24

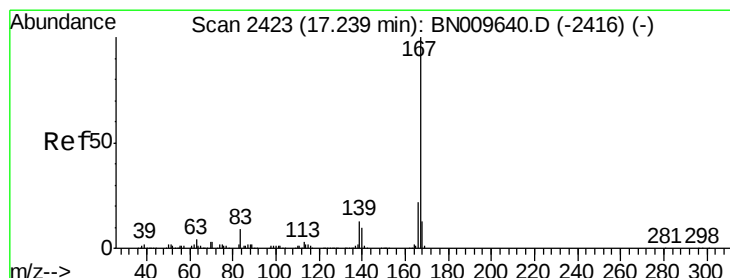
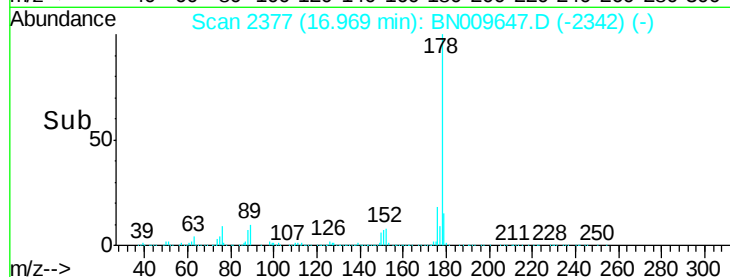
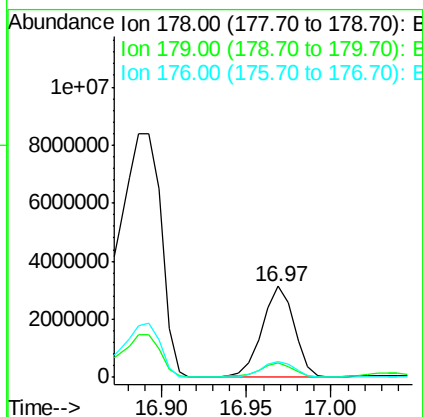
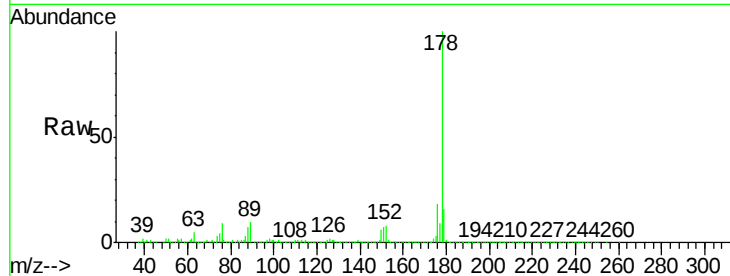
Instrument :
 BNA_N
 ClientSampleID :
 GAT66

Tot Ion:178 Resp: 4098693

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	17.8	14.6	21.8

Manual Integrations
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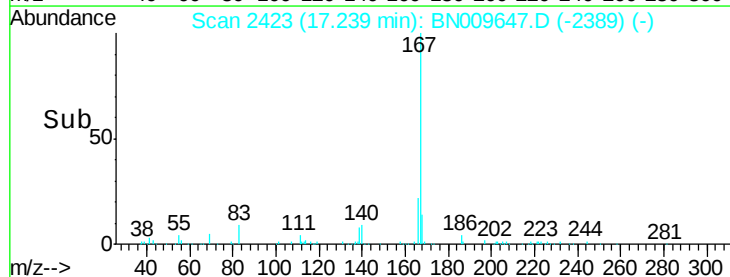
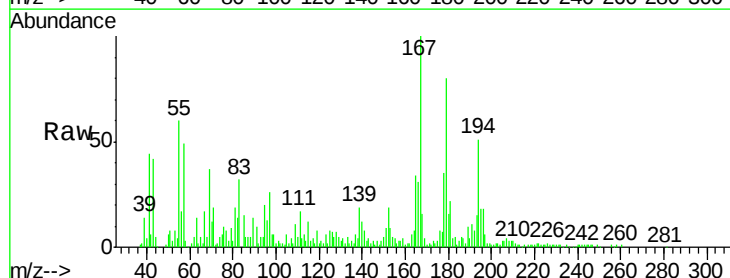
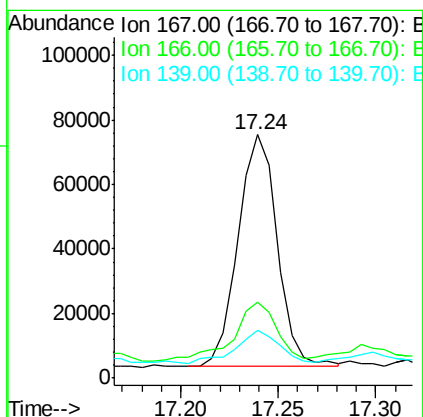
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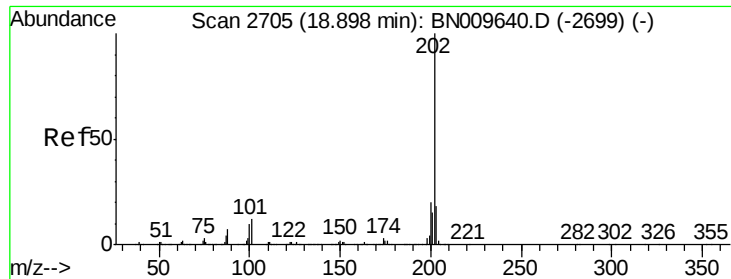


#74
 Carbazole
 Concen: 2.271 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BN009647.D
 Acq: 07 Feb 2020 14:24

Tgt Ion:167 Resp: 99305

Ion	Ratio	Lower	Upper
167	100		
166	31.2	16.2	24.4#
139	19.5	10.4	15.6#





#76

Fluoranthene

Concen: 148.330 ng/ul

RT: 18.91 min Scan# 2707

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

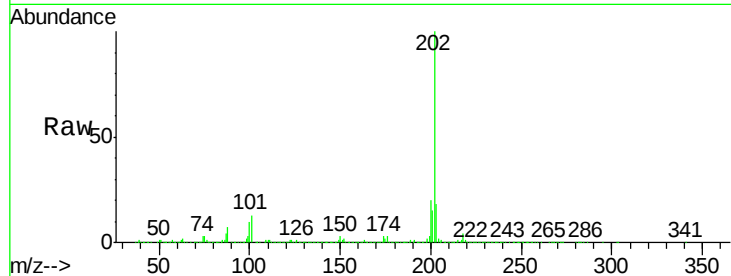
ClientSampleId :

GAT66

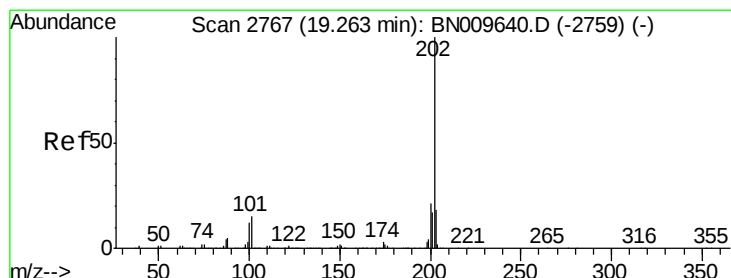
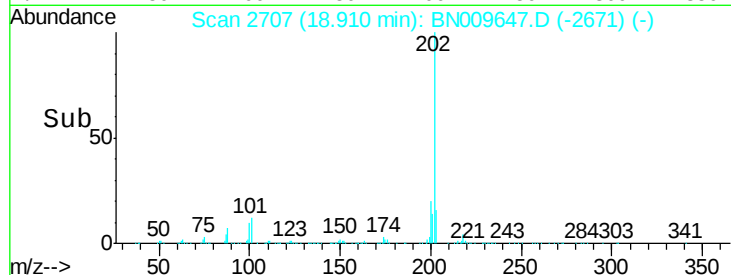
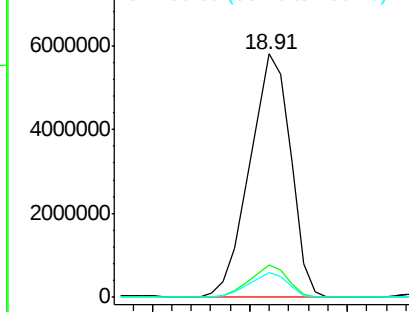
Tot Ion:	202	Resp:	8381001
Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.2	13.8
100	10.1	6.9	10.3

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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



#79

Pyrene

Concen: 271.255 ng/ul m

RT: 19.29 min Scan# 2771

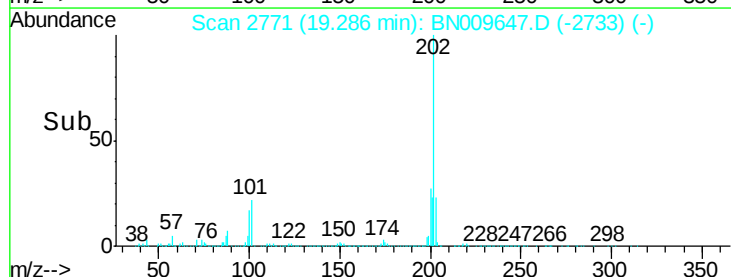
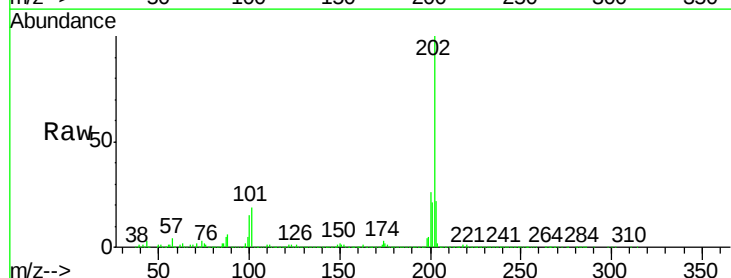
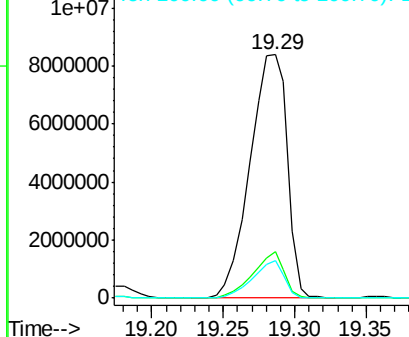
Delta R.T. 0.02 min

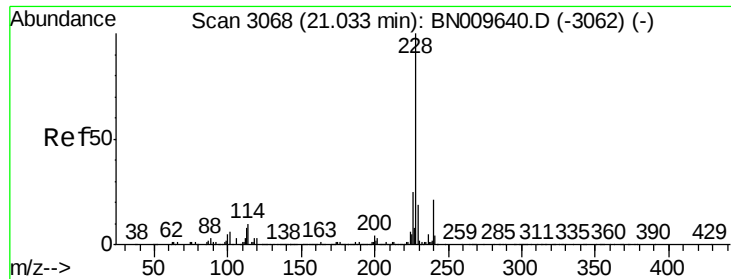
Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Tgt Ion:	202	Resp:	15218876
Ion	Ratio	Lower	Upper
202	100		
101	19.3	10.3	15.5#
100	15.3	8.4	12.6#

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: 92.244 ng/ul

RT: 21.04 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT66

Tot Ion:228 Resp: 4894940

Ion Ratio Lower Upper

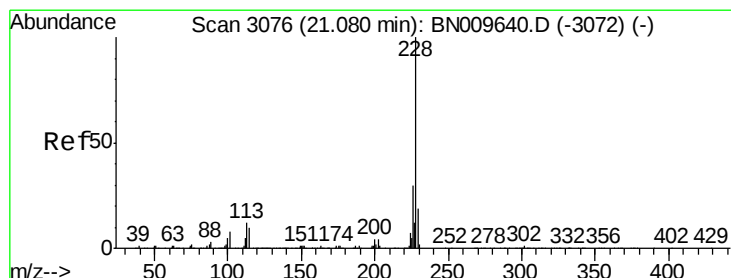
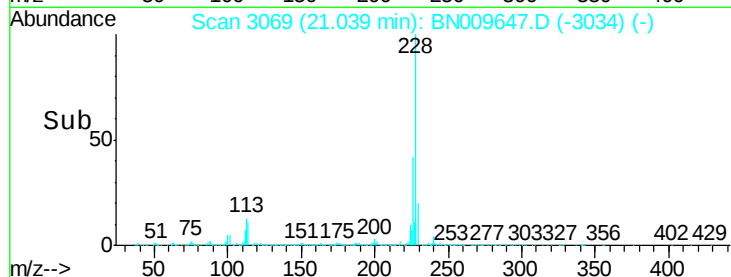
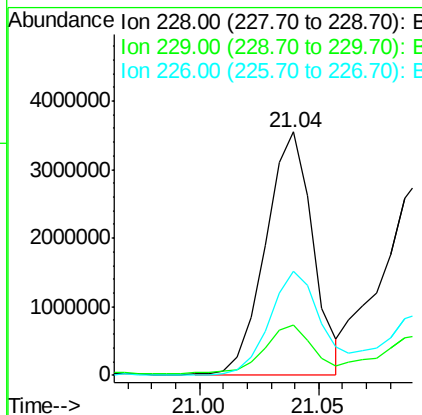
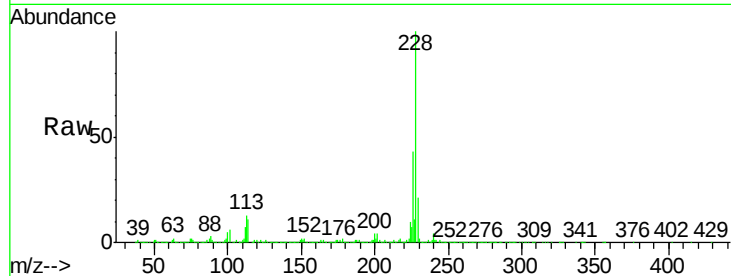
228 100

229 20.8 15.0 22.4

226 42.9 20.9 31.3#

Manual Integrations
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#84

Chrysene

Concen: 82.069 ng/ul

RT: 21.09 min Scan# 3078

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

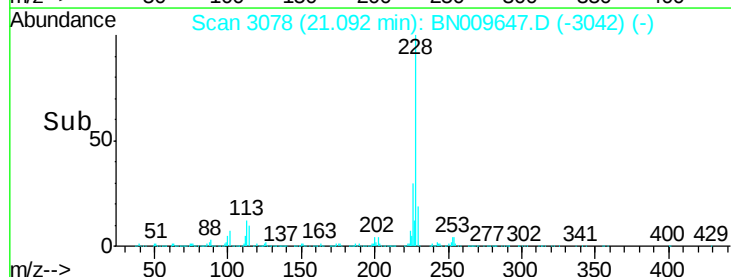
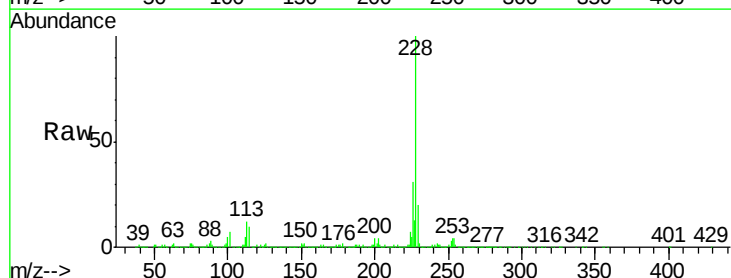
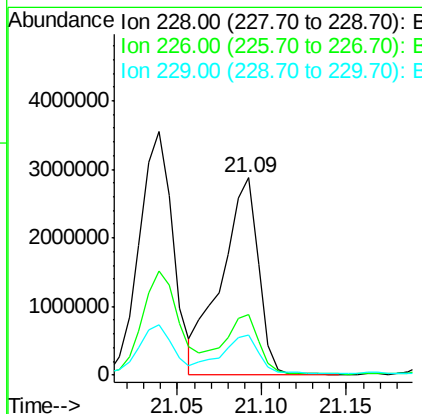
Tgt Ion:228 Resp: 4335519

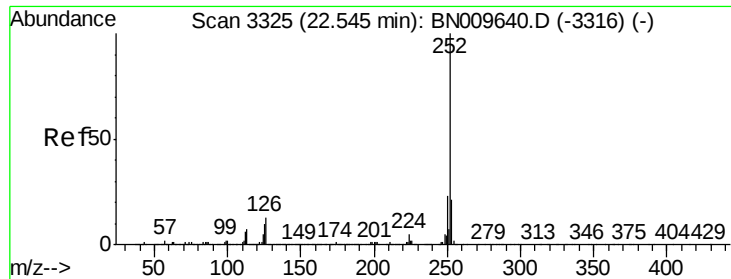
Ion Ratio Lower Upper

228 100

226 30.6 23.5 35.3

229 20.3 15.8 23.8





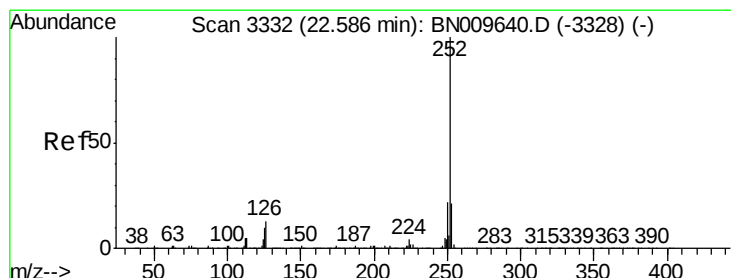
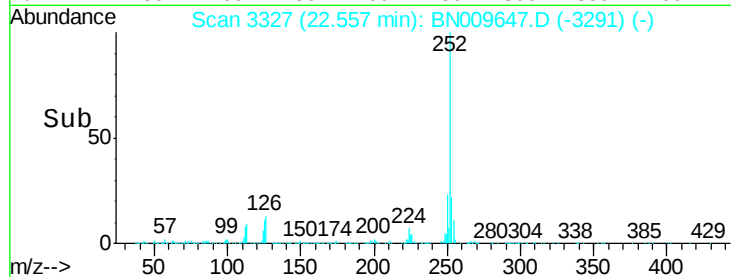
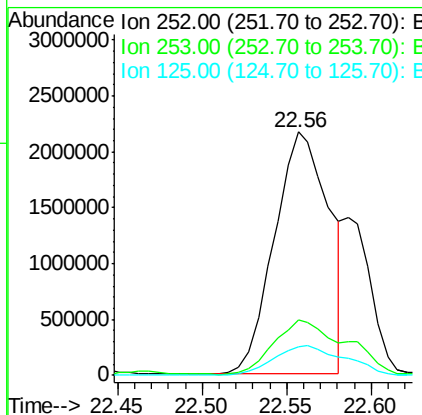
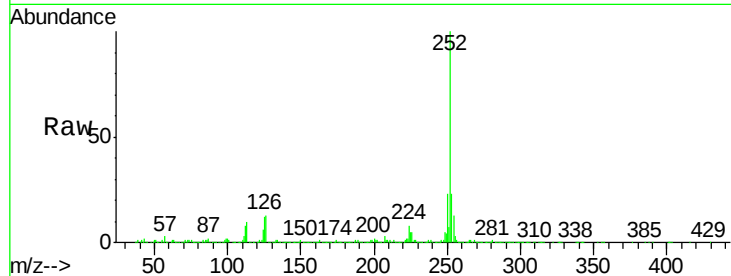
#87
Benzo(b)fluoranthene
Concen: 93.248 ng/ul
RT: 22.56 min Scan# 3327
Delta R.T. 0.01 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT66

Tot Ion:252 Resp: 4902954
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 11.8 8.2 12.2

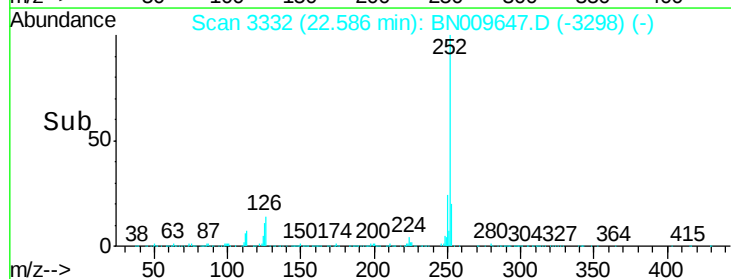
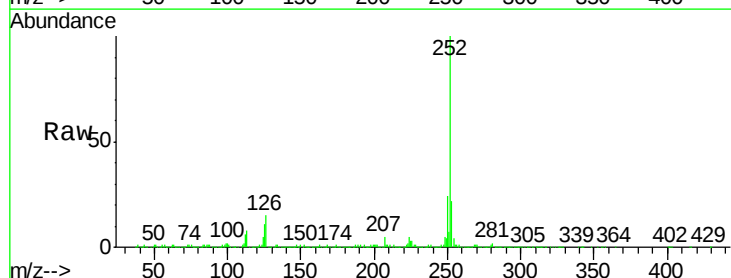
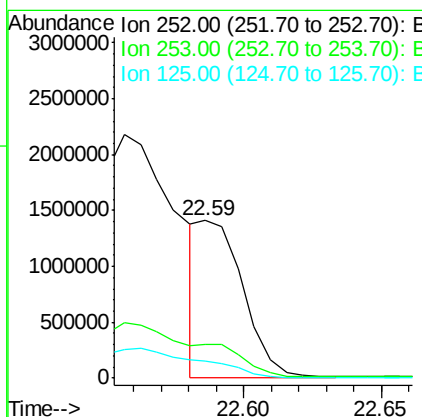
Manual Integrations
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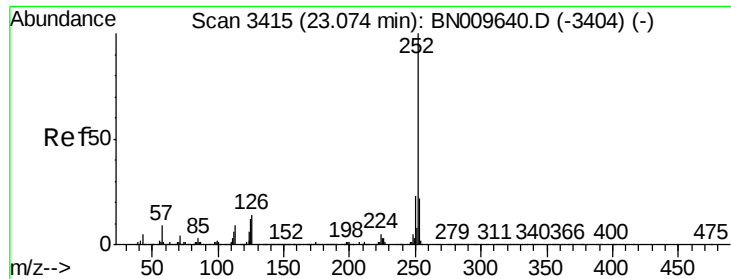
mohammad
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#88
Benzo(k)fluoranthene
Concen: 30.481 ng/ul m
RT: 22.59 min Scan# 3332
Delta R.T. -0.00 min
Lab File: BN009647.D
Acq: 07 Feb 2020 14:24

Tgt Ion:252 Resp: 1578348
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.4
125 11.2 8.0 12.0





#90

Benzo(a)pyrene

Concen: 101.670 ng/ul

RT: 23.09 min Scan# 3418

Delta R.T. 0.02 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

ClientSampled :

GAT66

Tot Ion:252 Resp: 4952918

Ion Ratio Lower Upper

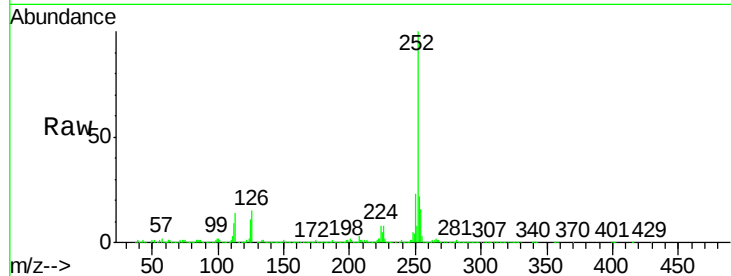
252 100

253 22.0 15.8 23.8

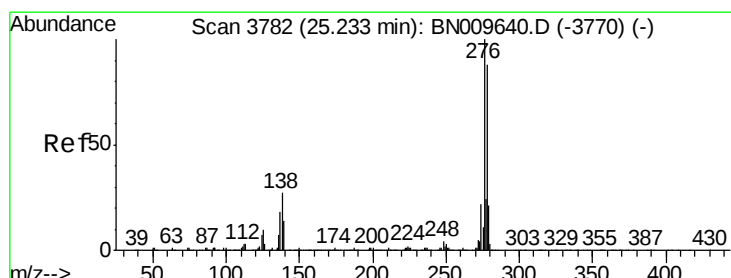
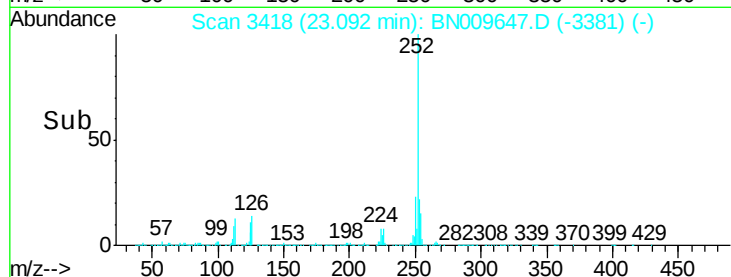
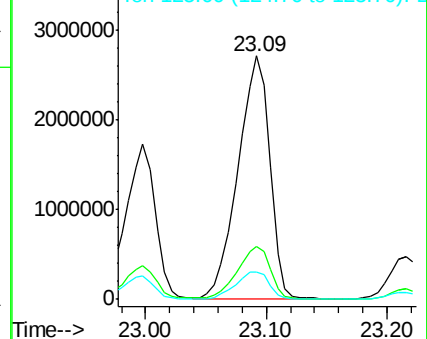
125 11.3 8.7 13.1

Manual Integrations
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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: 42.112 ng/ul

RT: 25.25 min Scan# 3785

Delta R.T. 0.02 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

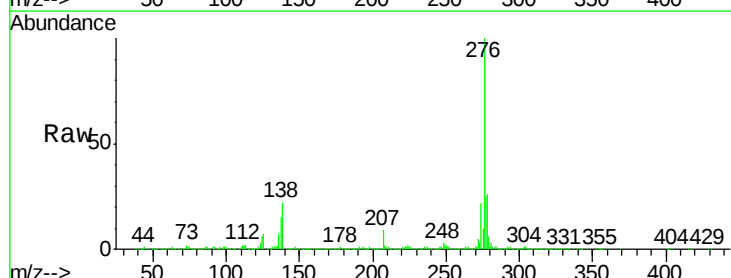
Tgt Ion:276 Resp: 2439063

Ion Ratio Lower Upper

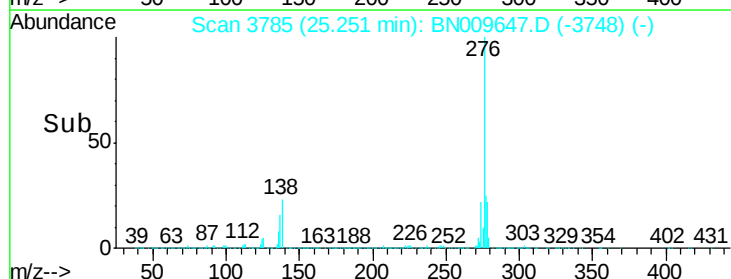
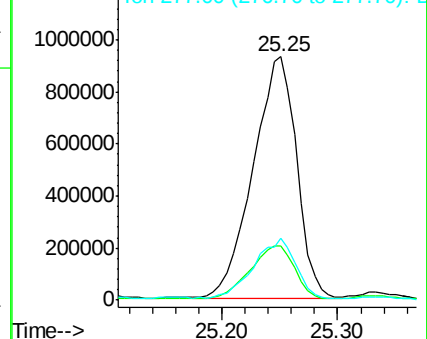
276 100

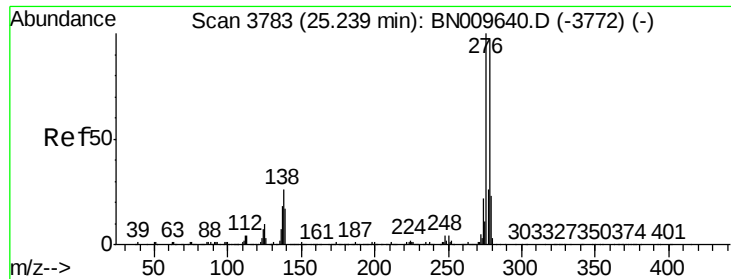
138 22.5 20.3 30.5

277 25.2 21.2 31.8



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: 15.030 ng/ul

RT: 25.24 min Scan# 3784

Delta R.T. 0.01 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT66

Tot Ion:278 Resp: 732768

Ion Ratio Lower Upper

278 100

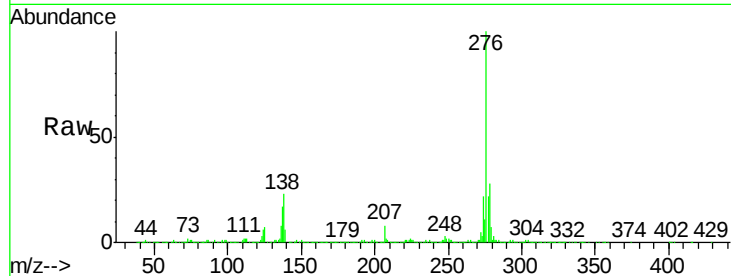
139 21.9 12.7 19.1#

279 24.8 19.8 29.8

Manual Integrations
APPROVED

mohammad

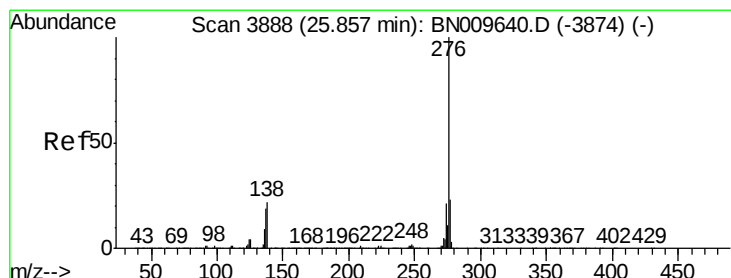
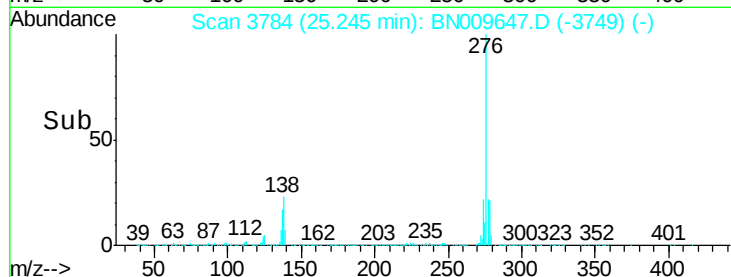
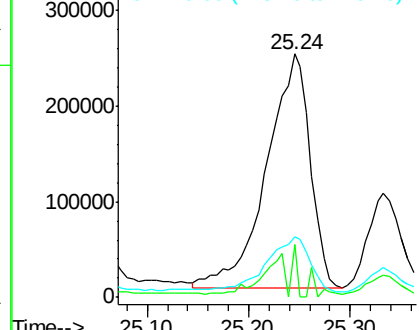
2/11/2020 8:23:19 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 51.188 ng/ul

RT: 25.88 min Scan# 3892

Delta R.T. 0.02 min

Lab File: BN009647.D

Acq: 07 Feb 2020 14:24

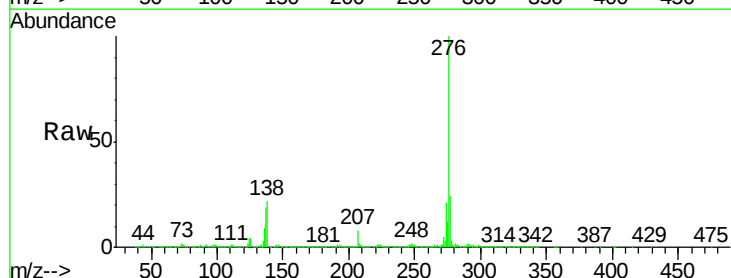
Tgt Ion:276 Resp: 2484740

Ion Ratio Lower Upper

276 100

138 22.0 16.0 24.0

277 24.4 17.0 25.6



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

