

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009617.D
 Acq On : 06 Feb 2020 19:47
 Operator : CG/JU
 Sample : L1323-04 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT44

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:19:33 AM

Quant Time: Feb 07 10:19:44 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	148594	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	610305	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	351975	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.84	188	692979	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	627235	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	706041	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	4473	1.24	ng/uL	0.01
5) Phenol-d5	6.64	99	46412	3.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	33820	3.89	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	37051	3.88	ng/ul	-0.01
13) 4-Methylphenol-d8	8.15	113	35567	3.45	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	18676	4.11	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.29	143	20256	4.00	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.82	165	37319	3.93	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.50	166	109416m	4.26	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	110140	3.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	65325	13.46	ng/ul	0.00
57) Fluorene-d10	15.09	176	85370	3.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	21019m	4.86	ng/ul	0.04
70) Anthracene-d10	16.94	188	133619	4.24	ng/ul	0.00
78) Pyrene-d10	19.25	212	135978	4.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	137680	3.96	ng/ul	0.01

Target Compounds

					Ovalue	
14) Acetophenone	8.26	105	61752	3.739	ng/ul	98
28) Naphthalene	10.23	128	47904	1.447	ng/ul#	75
34) 2-Methylnaphthalene	11.86	142	53175	2.296	ng/ul	95
47) Acenaphthylene	13.80	152	124598	3.667	ng/ul#	48
49) Acenaphthene	14.15	153	72058	3.120	ng/ul#	83
58) Fluorene	15.14	166	121170	4.508	ng/ul#	80
69) Phenanthrene	16.89	178	717178	18.147	ng/ul#	94
71) Anthracene	16.97	178	205707	5.130	ng/ul#	84
76) Fluoranthene	18.92	202	2476648	54.909	ng/ul	98
79) Pyrene	19.28	202	2590129	56.568	ng/ul	96
82) Benzo(a)anthracene	21.04	228	1268006	29.279	ng/ul	99
84) Chrysene	21.09	228	1176099	27.279	ng/ul	96
87) Benzo(b)fluoranthene	22.55	252	1613010	36.515	ng/ul#	95
88) Benzo(k)fluoranthene	22.58	252	504475m	11.596	ng/ul	
90) Benzo(a)pyrene	23.07	252	668022	16.322	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.23	276	657616	13.515	ng/ul	98
92) Dibenzo(a,h)anthracene	25.23	278	210357	5.136	ng/ul#	94
93) Benzo(g,h,i)perylene	25.85	276	482700	11.836	ng/ul	94

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

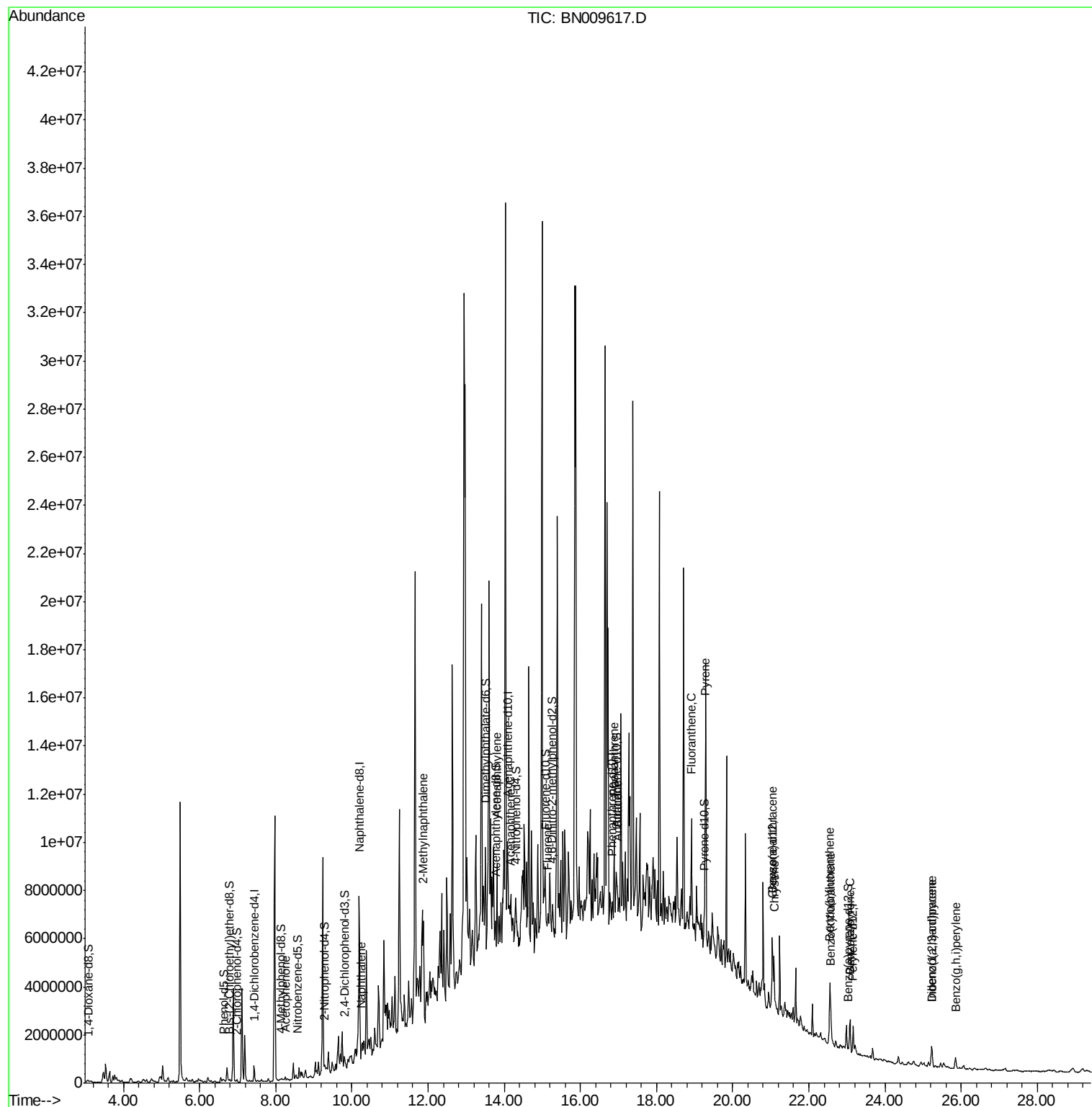
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009617.D
Acq On : 06 Feb 2020 19:47
Operator : CG/JU
Sample : L1323-04 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

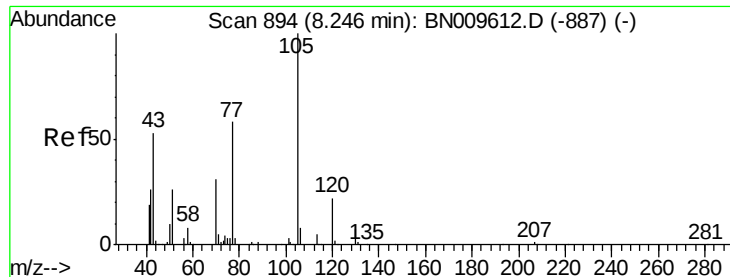
Instrument :
BNA_N
ClientSampled :
GAT44

Quant Time: Feb 07 10:19:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
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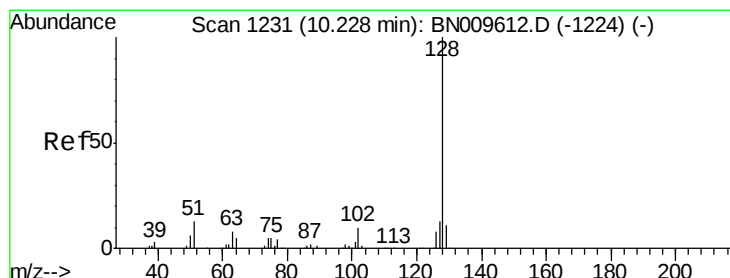
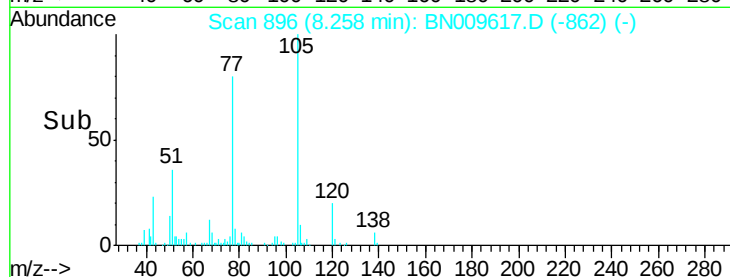
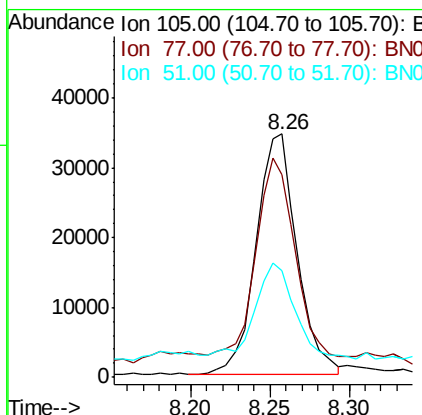
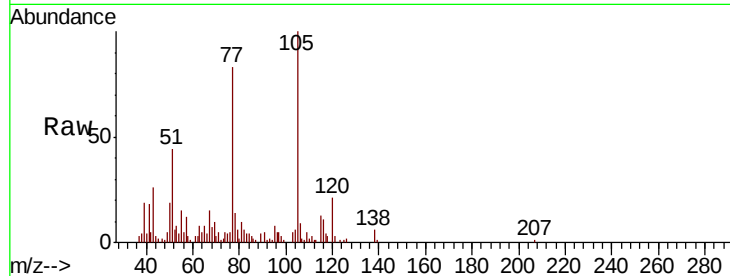
#14
Acetophenone
Concen: 3.739 ng/ul
RT: 8.26 min Scan# 896
Delta R.T. 0.00 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampleId :
GAT44

Tot Ion	Ratio	Lower	Upper
105	100		
77	83.1	67.7	101.5
51	43.7	34.3	51.5

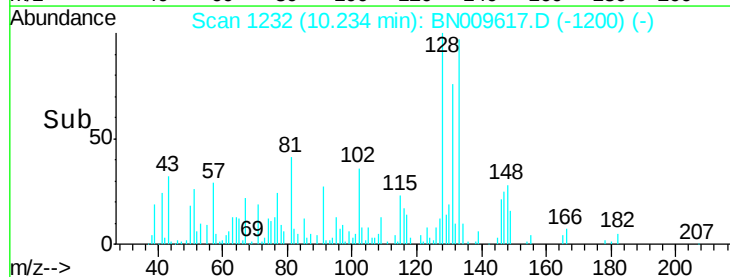
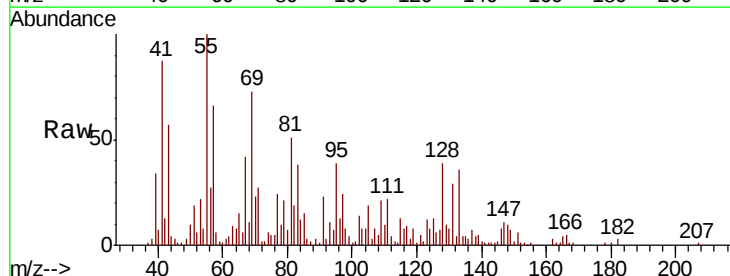
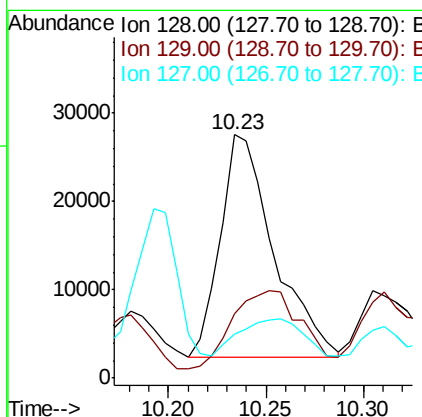
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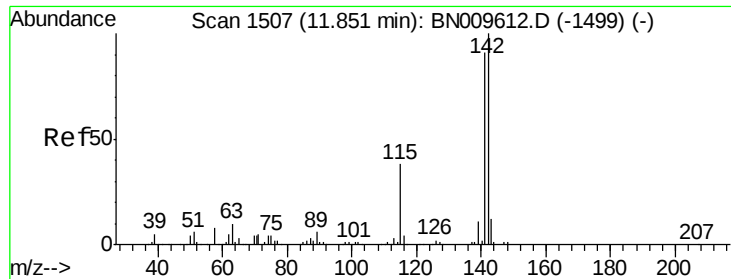
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#28
Naphthalene
Concen: 1.447 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	26.3	8.7	13.1#
127	18.2	10.7	16.1#





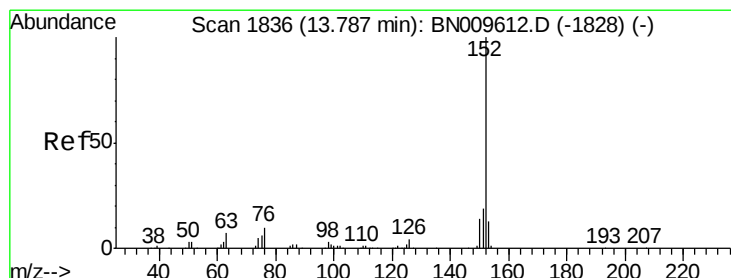
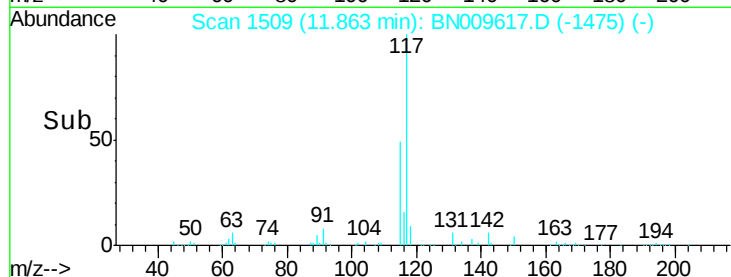
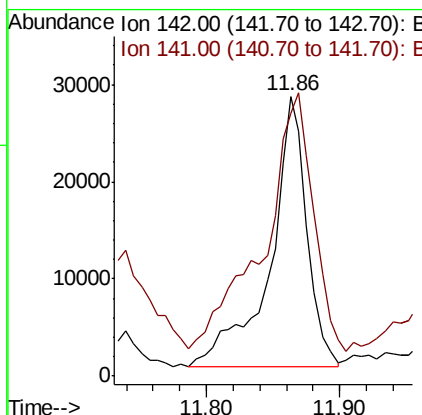
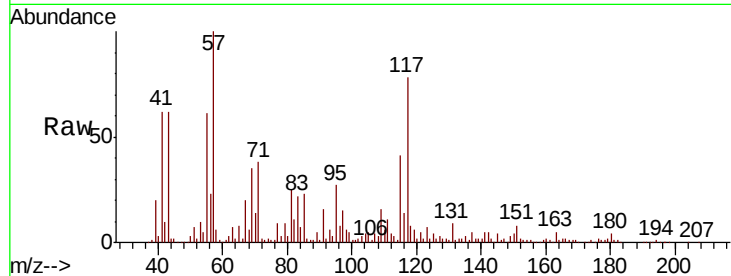
#34
2-Methylnaphthalene
Concen: 2.296 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampled :
GAT44

Tot Ion:142 Resp: 53175
Ion Ratio Lower Upper
142 100
141 93.8 71.5 107.3

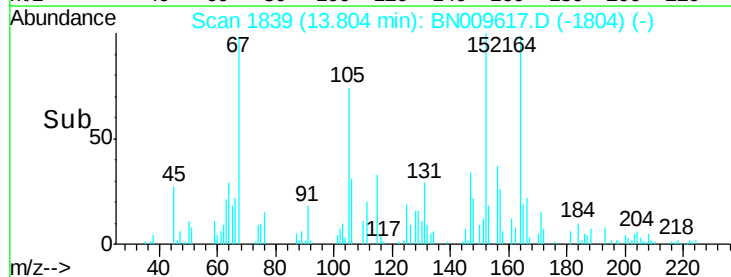
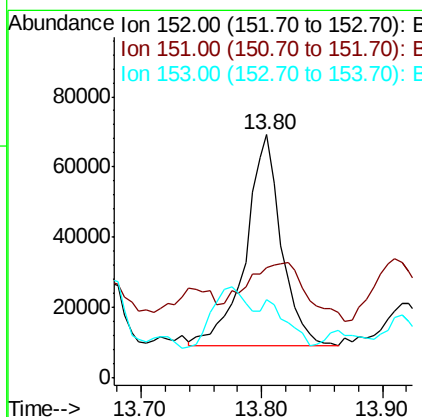
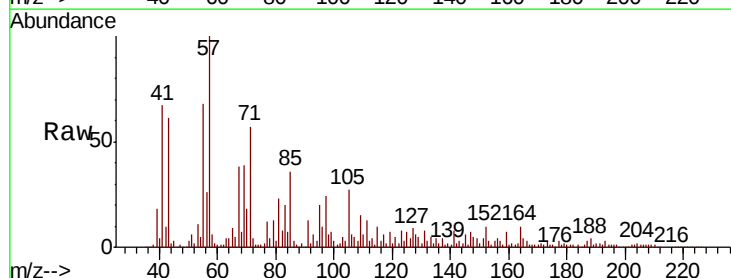
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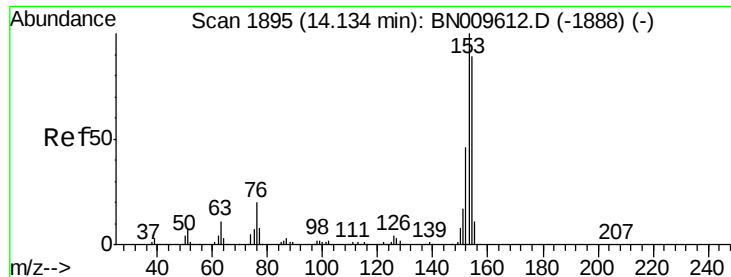
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#47
Acenaphthylene
Concen: 3.667 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion:152 Resp: 124598
Ion Ratio Lower Upper
152 100
151 45.5 16.2 24.2#
153 32.0 10.6 15.8#





#49

Acenaphthene

Concen: 3.120 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

Tot Ion:153 Resp: 72058

Ion Ratio Lower Upper

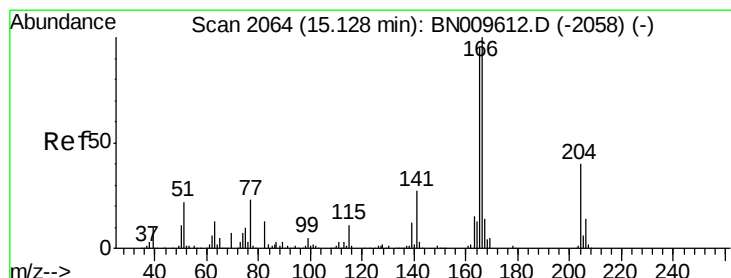
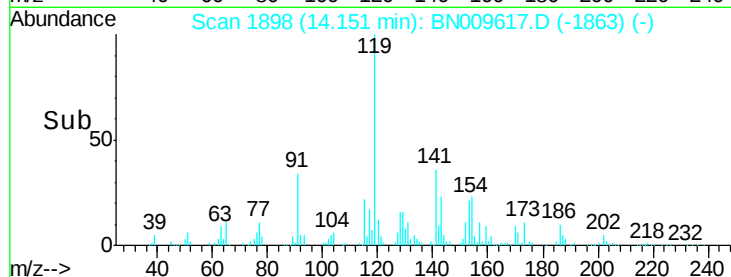
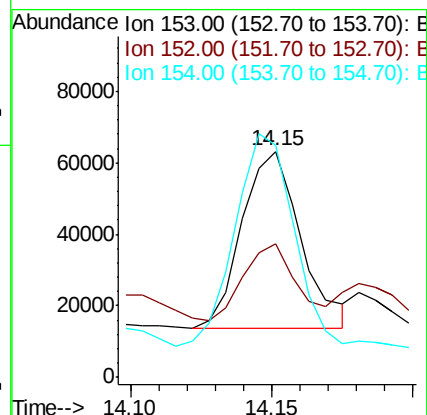
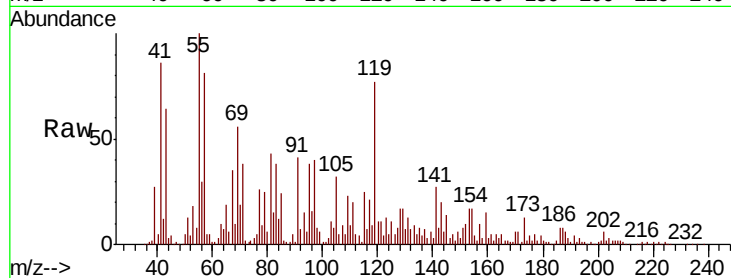
153 100

152 59.0 37.3 55.9#

154 102.5 70.2 105.2

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#58

Fluorene

Concen: 4.508 ng/ul

RT: 15.14 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

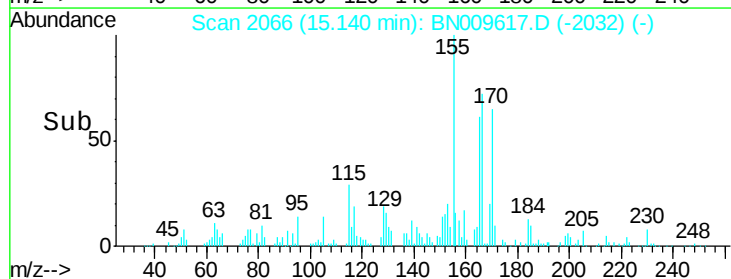
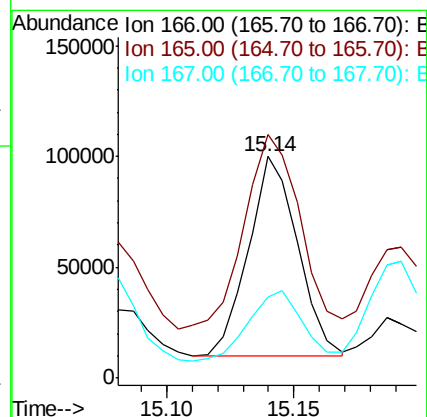
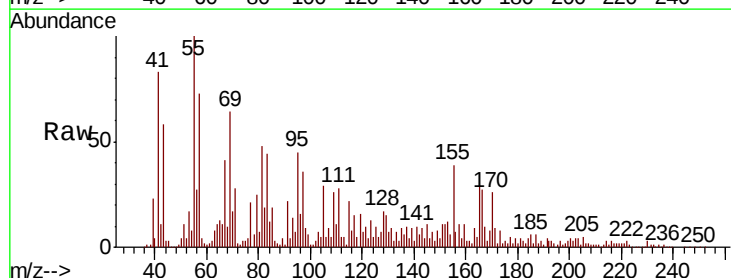
Tgt Ion:166 Resp: 121170

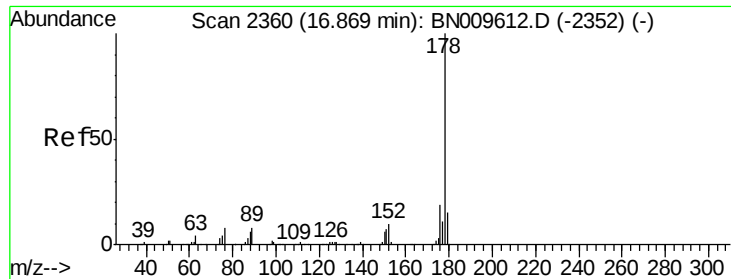
Ion Ratio Lower Upper

166 100

165 110.0 76.7 115.1

167 36.9 11.1 16.7#





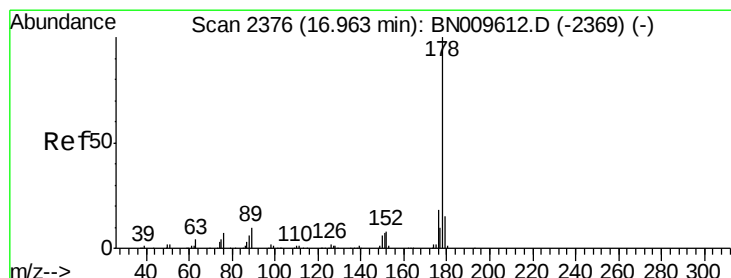
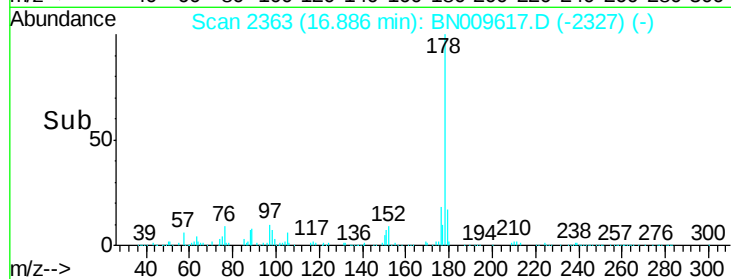
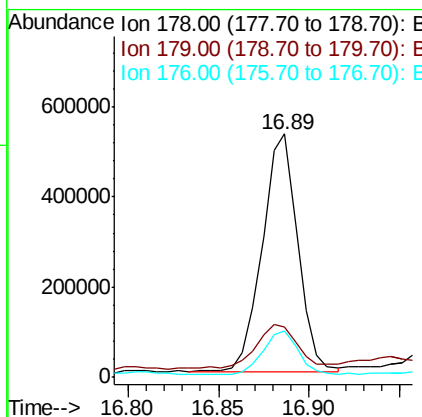
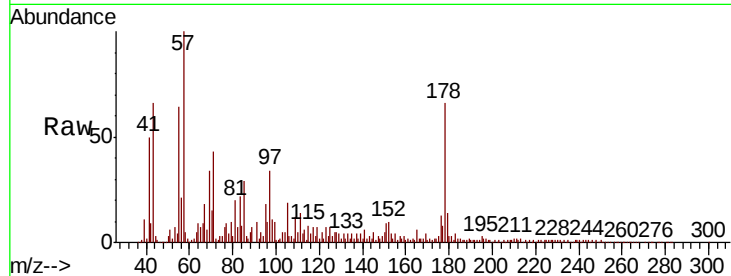
#69
Phenanthrene
Concen: 18.147 ng/ul
RT: 16.89 min Scan# 2363
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampled :
GAT44

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.2	18.2#
176	18.9	14.8	22.2

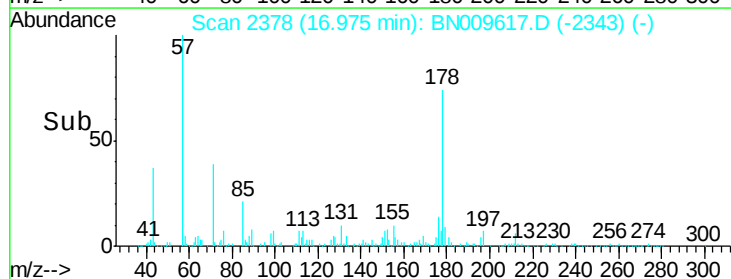
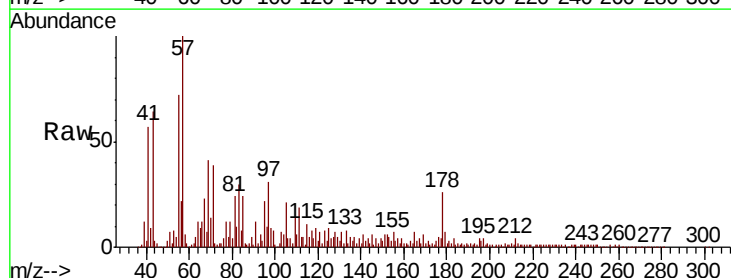
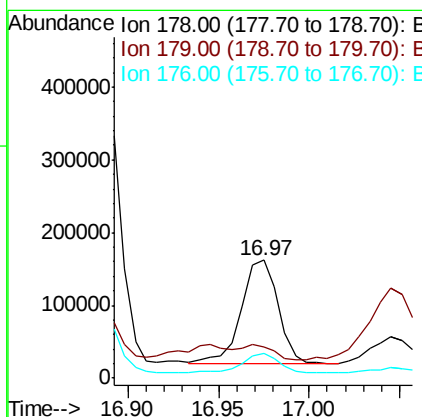
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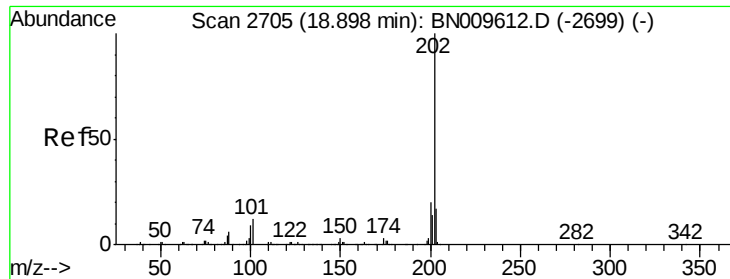
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#71
Anthracene
Concen: 5.130 ng/ul
RT: 16.97 min Scan# 2378
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	26.5	12.1	18.1#
176	21.1	14.6	21.8





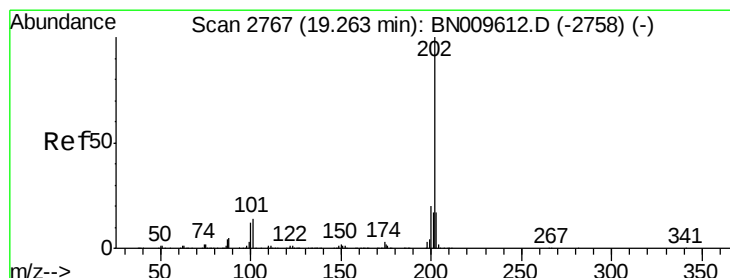
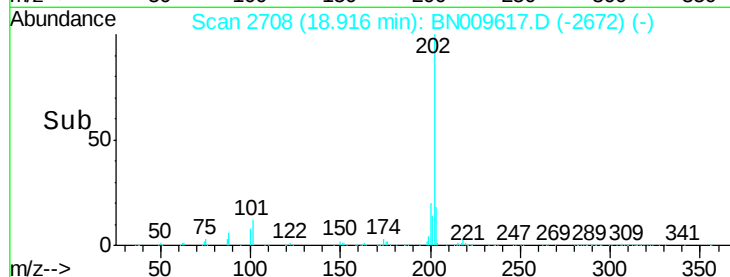
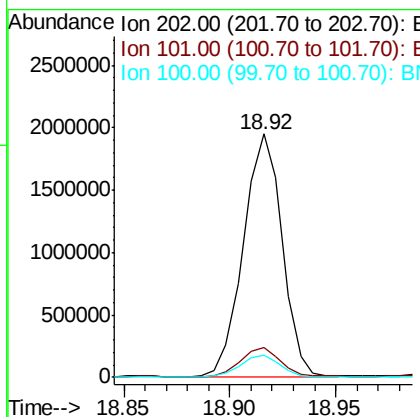
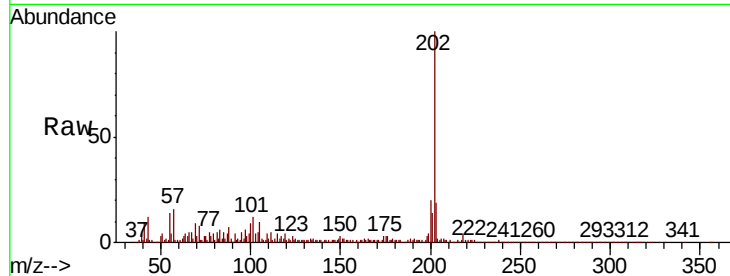
#76
Fluoranthene
Concen: 54.909 ng/ul
RT: 18.92 min Scan# 2708
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampled :
GAT44

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.2	13.8
100	9.0	6.9	10.3

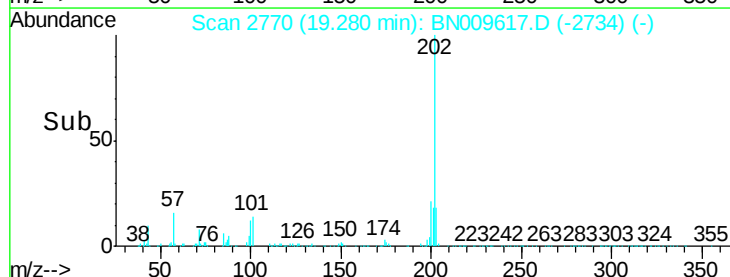
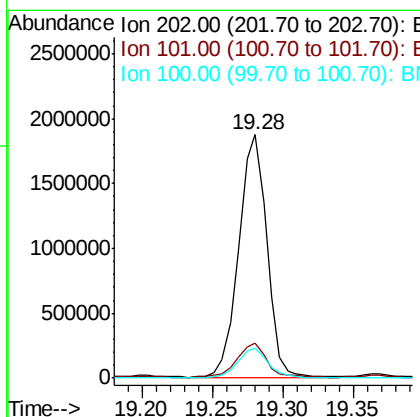
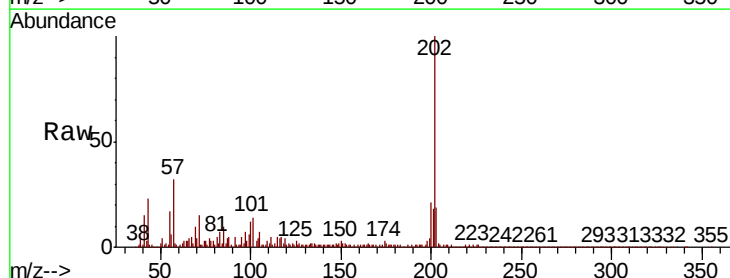
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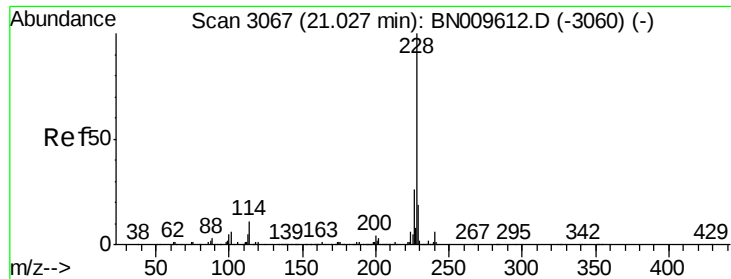
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#79
Pyrene
Concen: 56.568 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.3	15.5
100	12.1	8.4	12.6





#82

Benzo(a)anthracene

Concen: 29.279 ng/ul

RT: 21.04 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

Tot Ion:228 Resp: 1268006

Ion Ratio Lower Upper

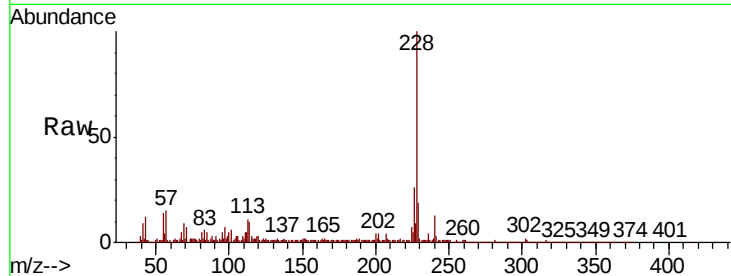
228 100

229 19.1 15.0 22.4

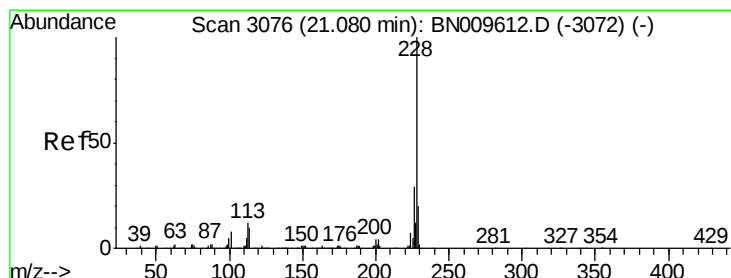
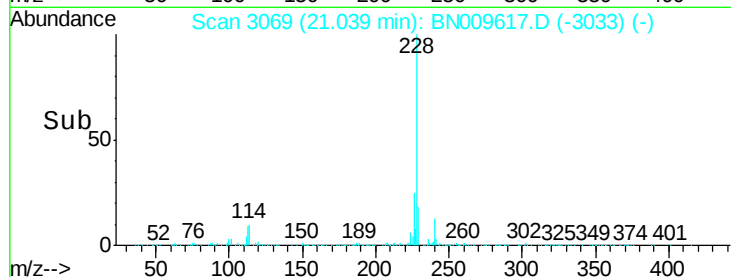
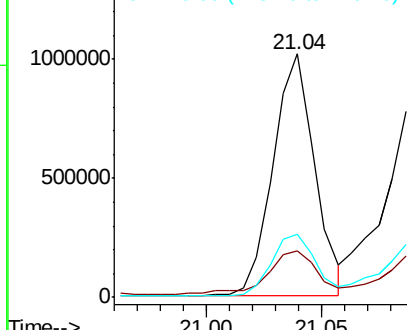
226 25.8 20.9 31.3

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



#84

Chrysene

Concen: 27.279 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

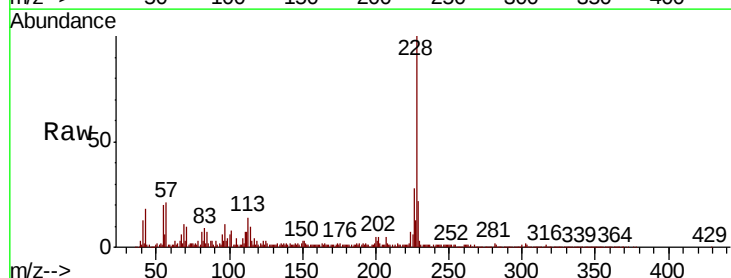
Tgt Ion:228 Resp: 1176099

Ion Ratio Lower Upper

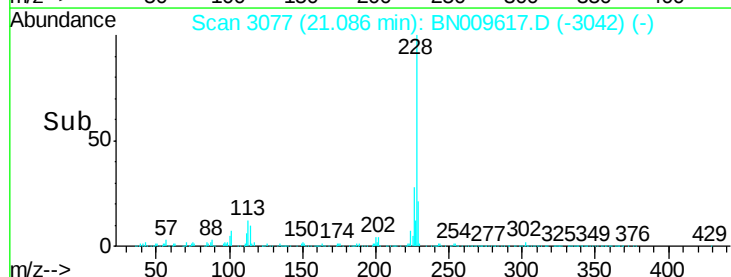
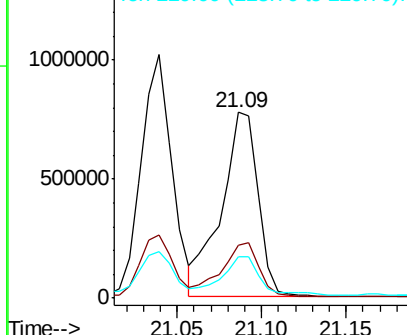
228 100

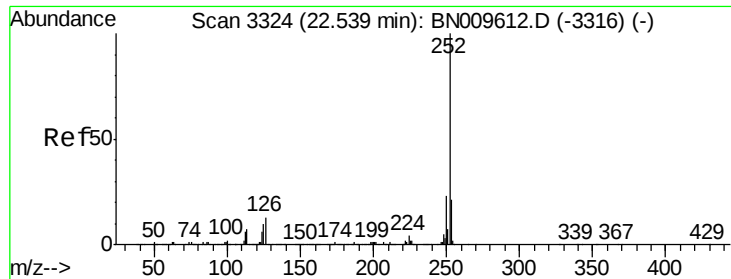
226 28.2 23.5 35.3

229 22.4 15.8 23.8



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





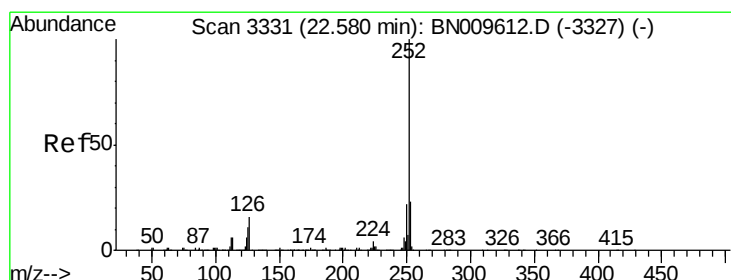
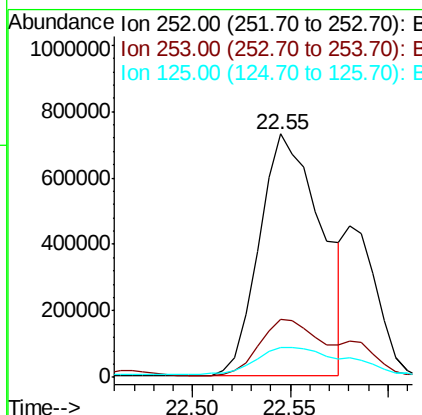
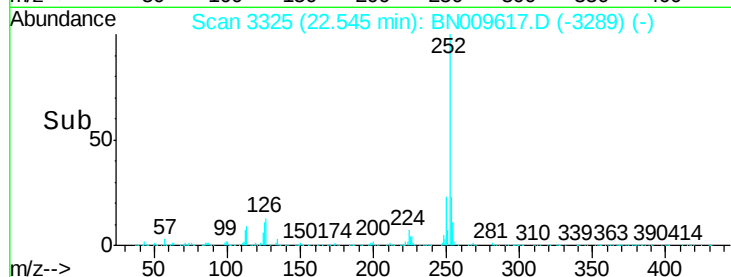
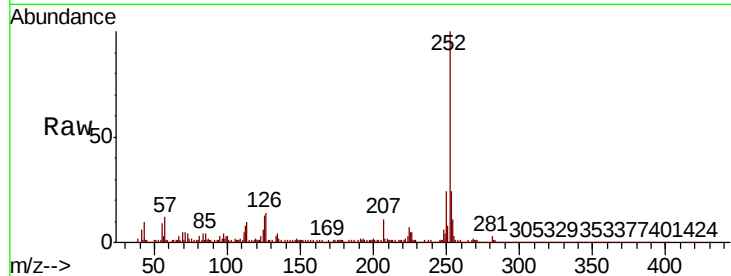
#87
Benzo(b)fluoranthene
Concen: 36.515 ng/ul
RT: 22.55 min Scan# 3325
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampled :
GAT44

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.5	8.2	12.2#

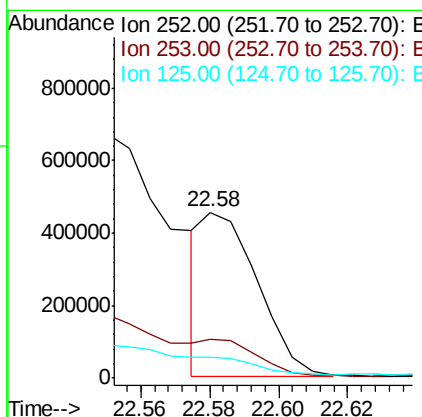
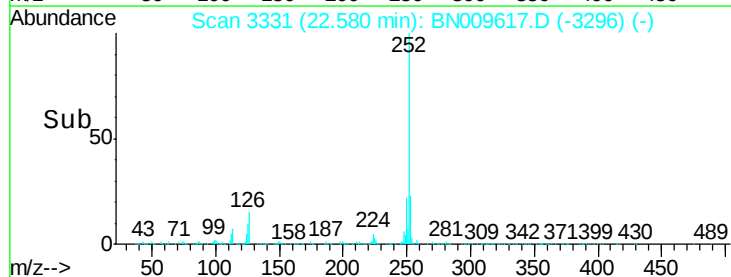
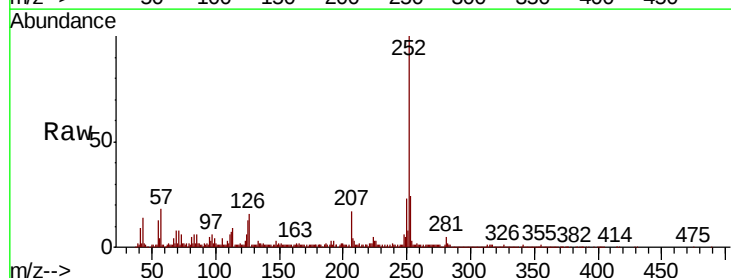
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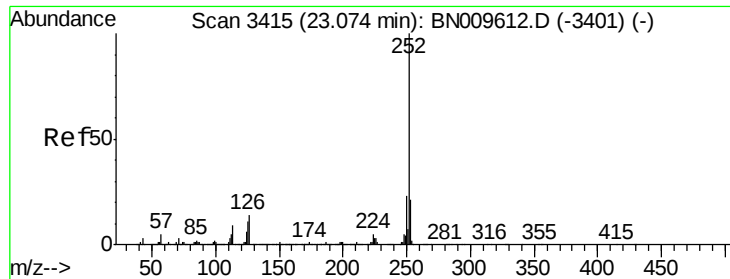
mohammad
2/10/2020 8:19:33 AM



#88
Benzo(k)fluoranthene
Concen: 11.596 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	12.6	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 16.322 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

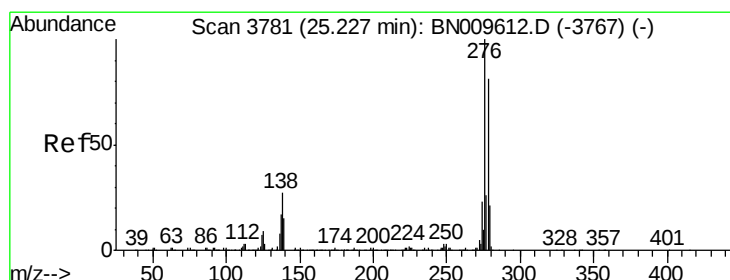
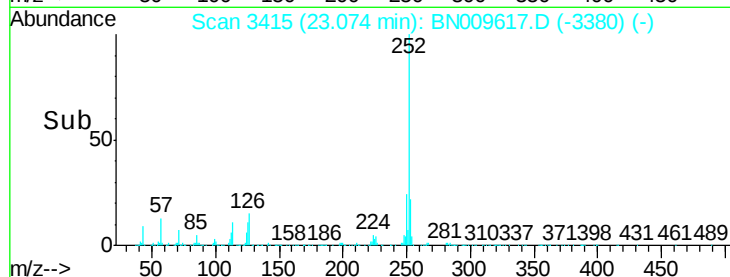
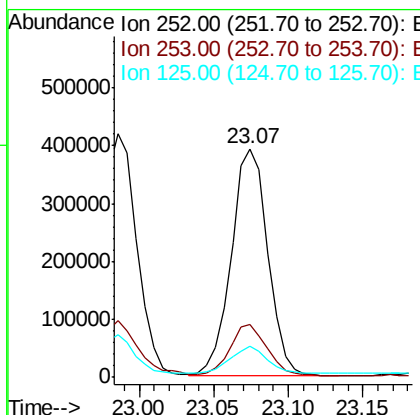
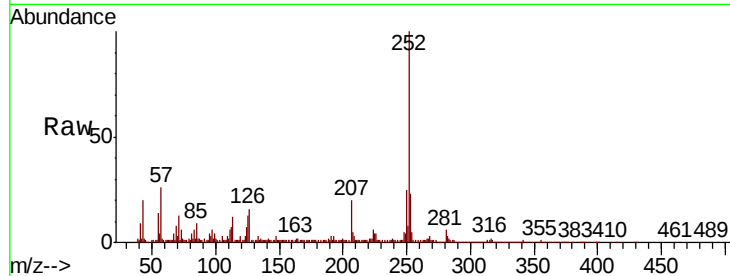
ClientSampled :

GAT44

Tot Ion:	252	Resp:	668022
Ion Ratio	Lower	Upper	
252	100		
253	23.0	15.8	23.8
125	13.4	8.7	13.1#

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#91

Indeno(1,2,3-cd)pyrene

Concen: 13.515 ng/ul

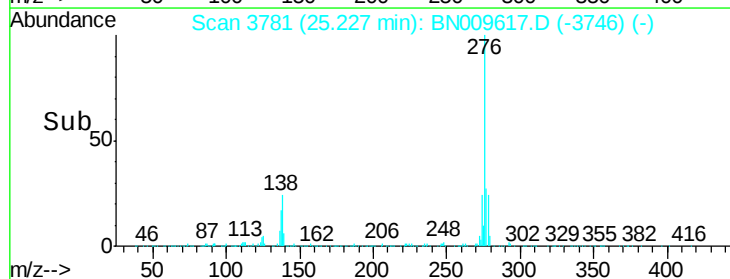
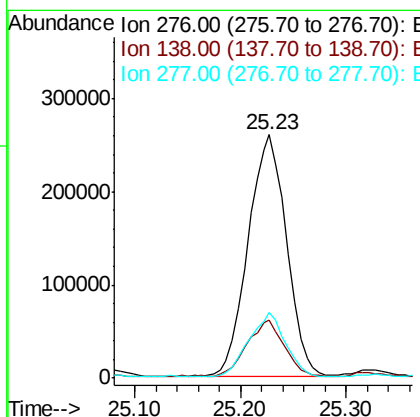
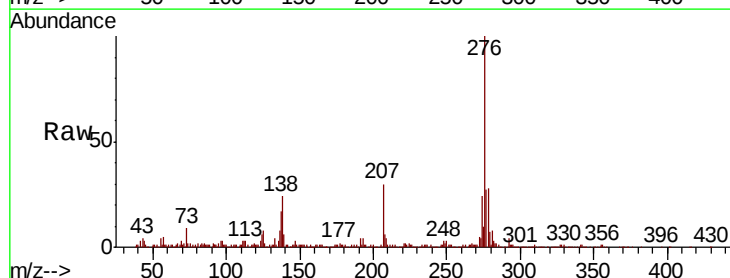
RT: 25.23 min Scan# 3781

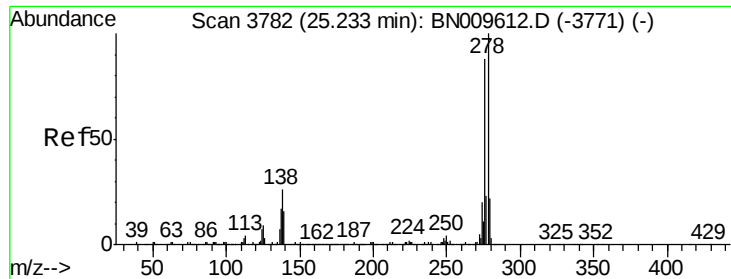
Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Tgt Ion:	276	Resp:	657616
Ion Ratio	Lower	Upper	
276	100		
138	23.6	20.3	30.5
277	27.1	21.2	31.8





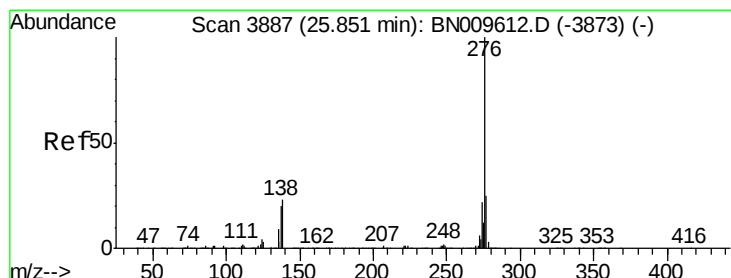
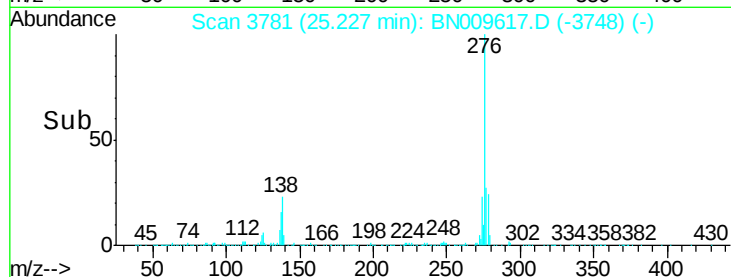
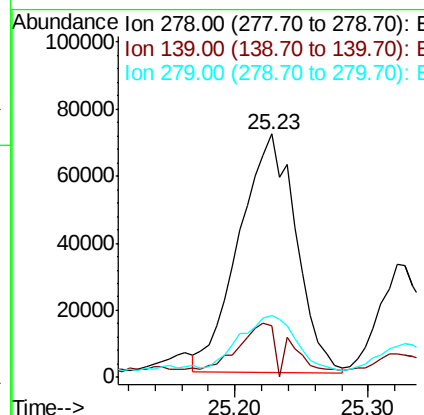
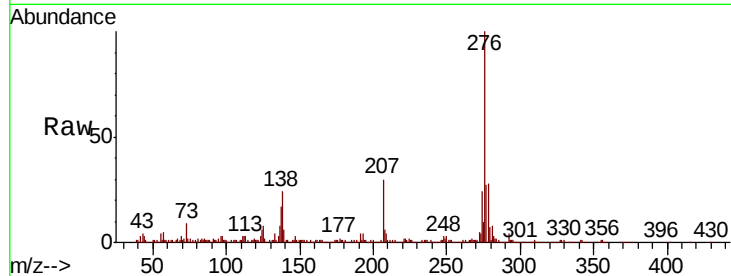
#92
Dibenzo(a,h)anthracene
Concen: 5.136 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Instrument :
BNA_N
ClientSampleId :
GAT44

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	12.7	19.1#
279	25.6	19.8	29.8

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 11.836 ng/ul
RT: 25.85 min Scan# 3887
Delta R.T. 0.00 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	16.0	24.0
277	23.7	17.0	25.6

