

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009620.D
 Acq On : 06 Feb 2020 21:35
 Operator : CG/JU
 Sample : L1324-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT67

Manual Integrations
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mohammad
 2/10/2020 8:19:38 AM

Quant Time: Feb 07 03:00:46 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	194824	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	796220	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	523645	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.84	188	945497	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	847913	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	951821	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	7741	1.63	ng/uL	0.00
5) Phenol-d5	6.64	99	176662	10.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	149339	13.08	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	138128	11.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	134485	9.94	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	76155	12.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	74556	11.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	135493	10.94	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.50	166	420755	11.01	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	506056	10.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	71643	9.92	ng/ul	0.00
57) Fluorene-d10	15.09	176	377935	11.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	24753m	4.19	ng/ul	0.03
70) Anthracene-d10	16.94	188	542340	12.62	ng/ul	0.00
78) Pyrene-d10	19.24	212	593824	13.32	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	598222	12.76	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.66	94	19823	1.092	ng/ul# 70
28) Naphthalene	10.25	128	28566079m	661.584	ng/ul
34) 2-Methylnaphthalene	11.89	142	19953724	660.353	ng/ul 93
40) 1,1'-Biphenyl	12.90	154	2408342	59.070	ng/ul 98
44) Dimethylphthalate	13.55	163	55904	1.378	ng/ul# 88
47) Acenaphthylene	13.80	152	1495874	29.594	ng/ul# 92
49) Acenaphthene	14.16	153	7429187	216.203	ng/ul 98
53) Dibenzofuran	14.49	168	1037180	21.676	ng/ul 88
58) Fluorene	15.15	166	5133191	128.363	ng/ul 99
69) Phenanthrene	16.89	178	19570402m	362.948	ng/ul
71) Anthracene	16.97	178	5220907	95.427	ng/ul 100
74) Carbazole	17.24	167	412137	8.652	ng/ul# 91
76) Fluoranthene	18.91	202	5402465	87.787	ng/ul 100
79) Pyrene	19.27	202	7947655	128.400	ng/ul 96
82) Benzo(a)anthracene	21.03	228	2685913	45.879	ng/ul# 80
84) Chrysene	21.09	228	2390294	41.013	ng/ul 96
87) Benzo(b)fluoranthene	22.55	252	1646456	27.648	ng/ul 95
88) Benzo(k)fluoranthene	22.57	252	307562m	5.244	ng/ul
90) Benzo(a)pyrene	23.07	252	1804371	32.703	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.22	276	631340	9.624	ng/ul 95
92) Dibenz(a,h)anthracene	25.23	278	210048	3.804	ng/ul 94
93) Benzo(a,h,i)perylene	25.85	276	607905	11.057	ng/ul 94

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

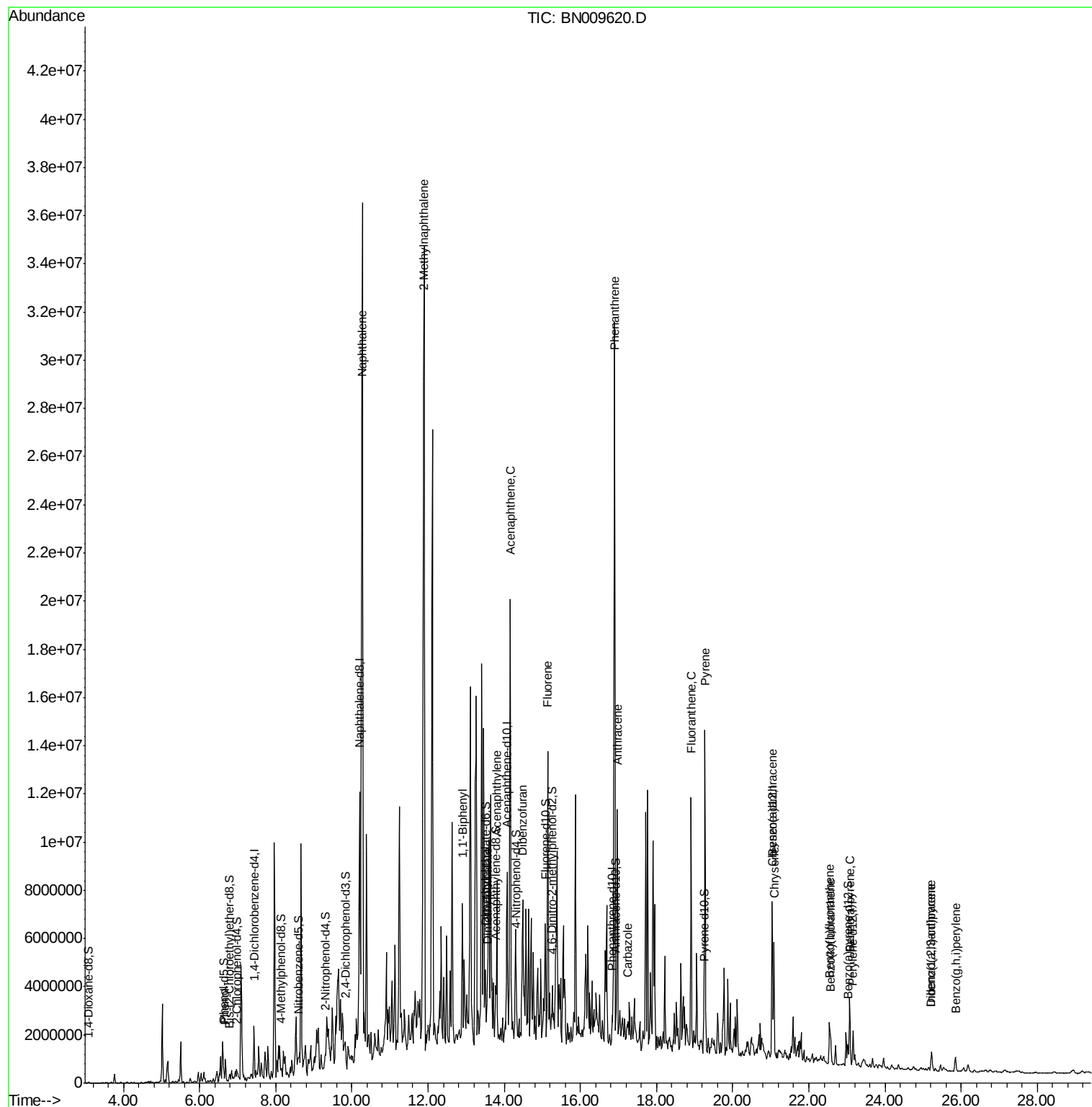
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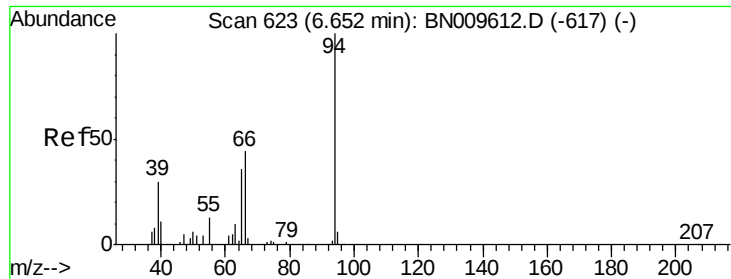
Instrument :
BNA_N
ClientSampleId :
GAT67

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#6

Phenol

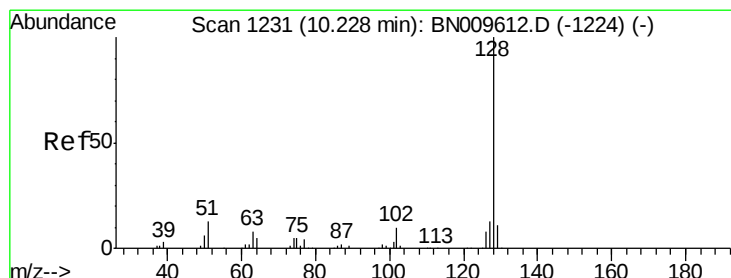
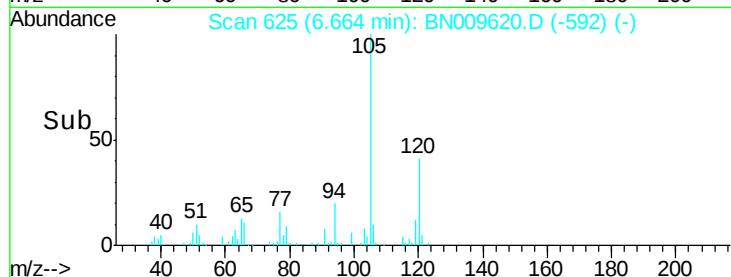
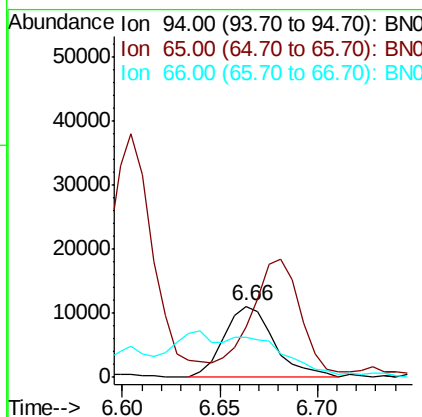
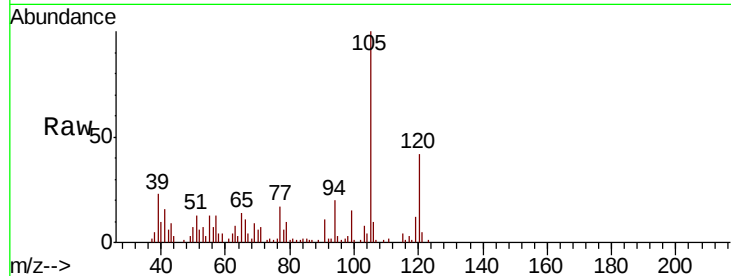
Concen: 1.092 ng/ul
 RT: 6.66 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BN009620.D
 Acq: 06 Feb 2020 21:35

Instrument :
 BNA_N
 ClientSampleId :
 GAT67

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	70.8	29.8	44.6#	
66	55.9	39.5	59.3	

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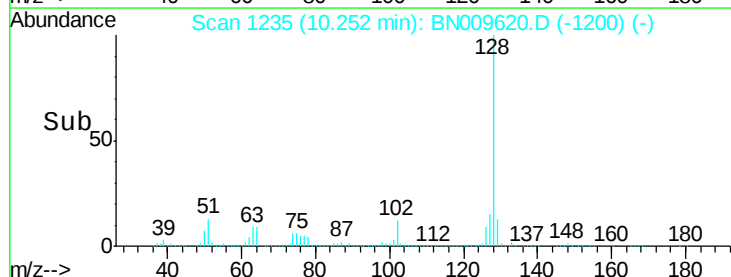
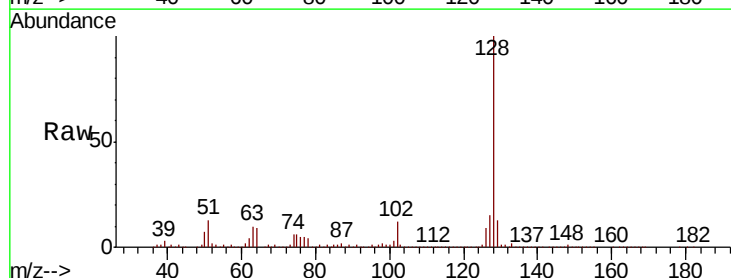
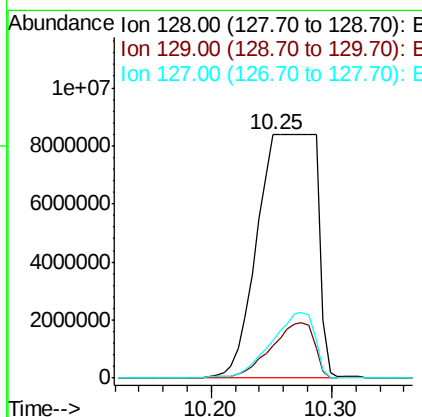


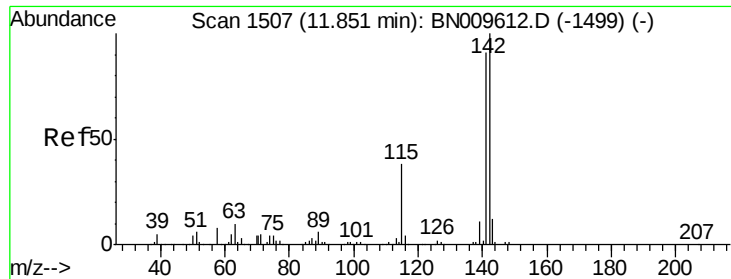
#28

Naphthalene

Concen: 661.584 ng/ul m
 RT: 10.25 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BN009620.D
 Acq: 06 Feb 2020 21:35

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	13.4	8.7	13.1#	
127	15.5	10.7	16.1	





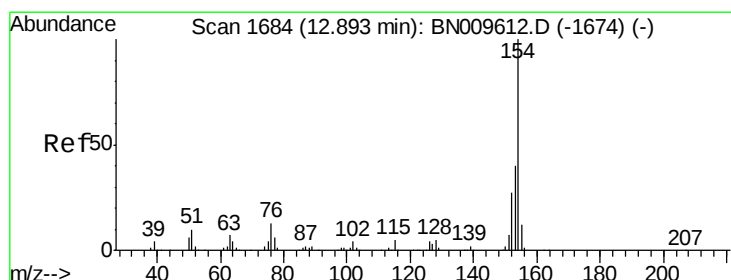
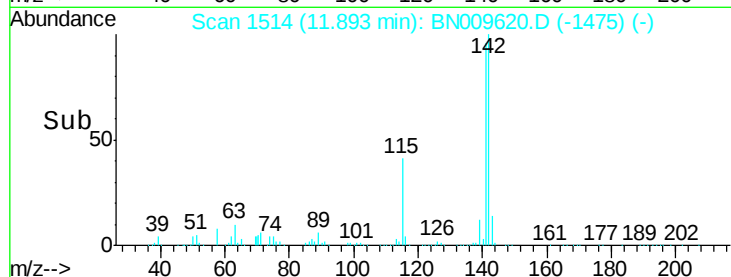
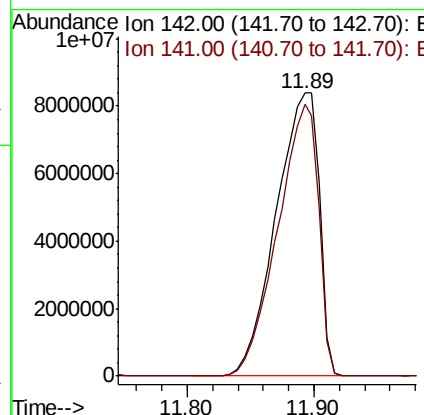
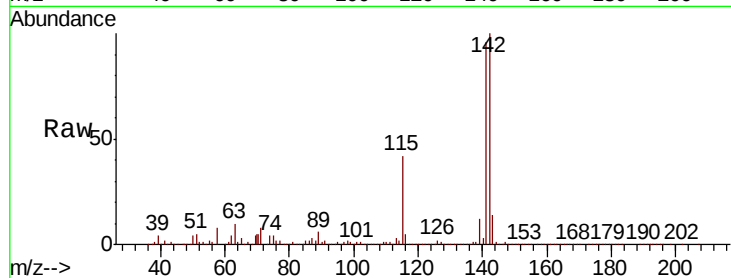
#34
2-Methylnaphthalene
Concen: 660.353 ng/ul
RT: 11.89 min Scan# 1514
Delta R.T. 0.03 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Instrument :
BNA_N
ClientSampleId :
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Tot Ion:142 Resp:19953724
Ion Ratio Lower Upper
142 100
141 96.0 71.5 107.3

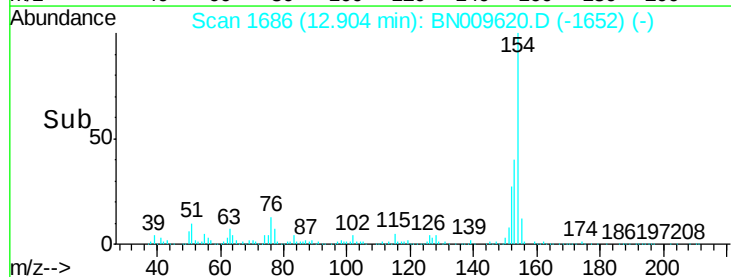
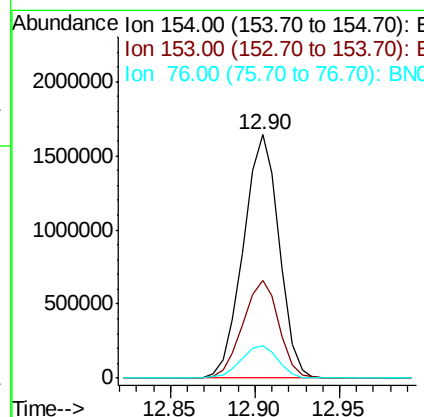
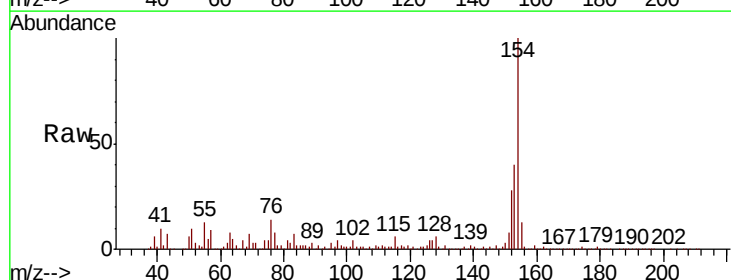
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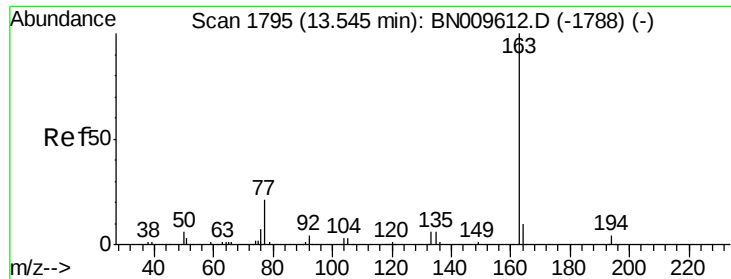
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#40
1,1'-Biphenyl
Concen: 59.070 ng/ul
RT: 12.90 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Tgt Ion:154 Resp: 2408342
Ion Ratio Lower Upper
154 100
153 40.3 31.2 46.8
76 13.5 11.4 17.2





#44

Dimethylphthalate

Concen: 1.378 ng/ul

RT: 13.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Instrument :

BNA_N

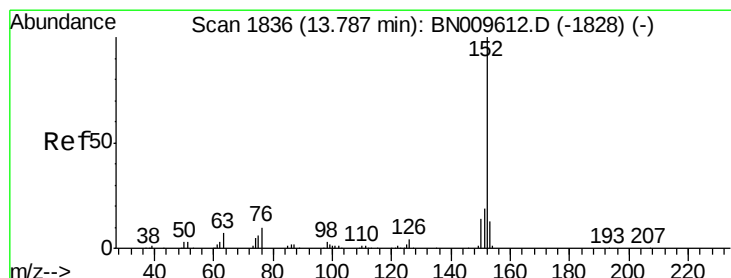
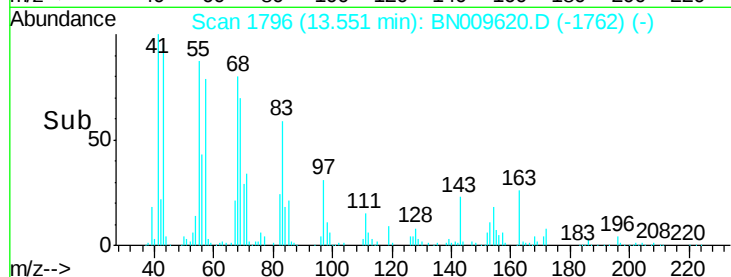
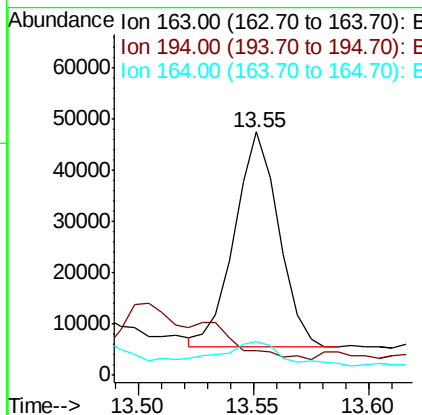
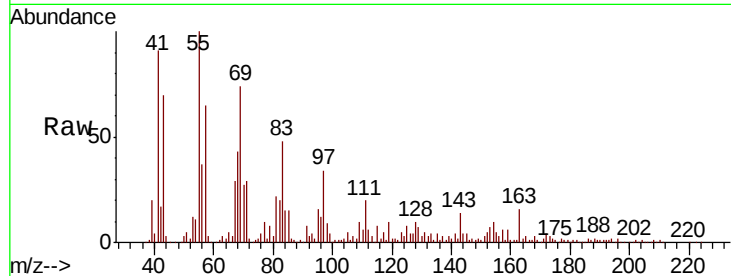
ClientSampled :

GAT67

Tot Ion:	163	Resp:	55904
Ion Ratio	Lower	Upper	
163	100		
194	10.0	3.5	5.3#
164	13.8	8.0	12.0#

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#47

Acenaphthylene

Concen: 29.594 ng/ul

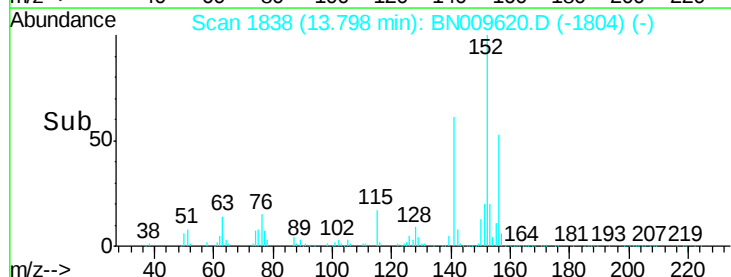
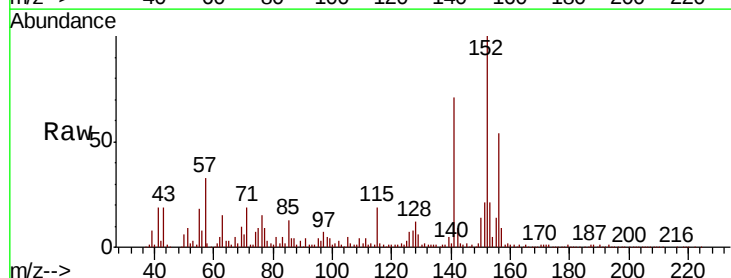
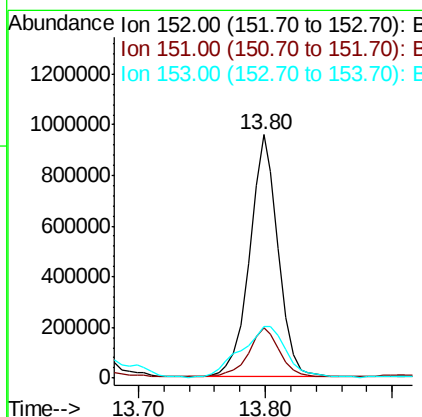
RT: 13.80 min Scan# 1838

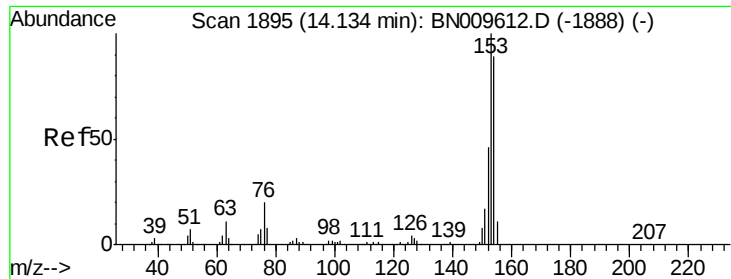
Delta R.T. 0.00 min

Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Tgt Ion:	152	Resp:	1495874
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.2
153	21.0	10.6	15.8#





#49

Acenaphthene

Concen: 216.203 ng/ul

RT: 14.16 min Scan# 1899

Delta R.T. 0.01 min

Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Instrument :

BNA_N

ClientSampleId :

GAT67

Tot Ion:153 Resp: 7429187

Ion Ratio Lower Upper

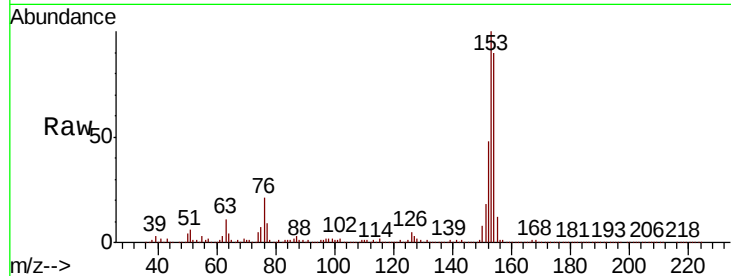
153 100

152 47.6 37.3 55.9

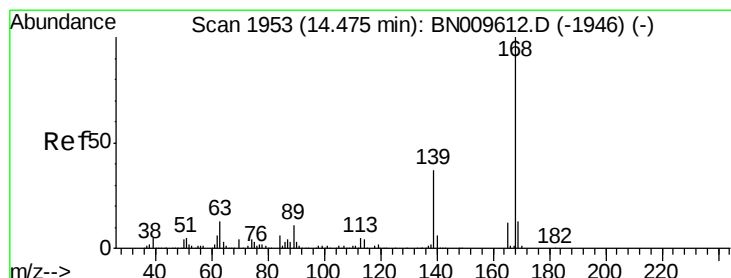
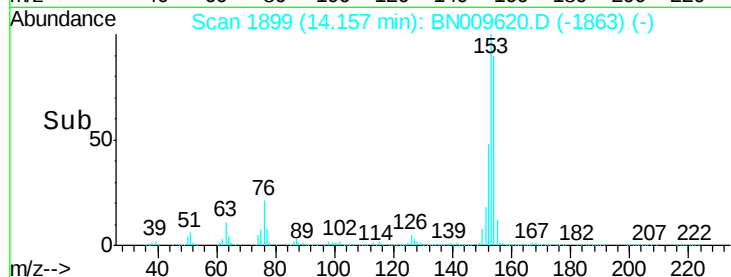
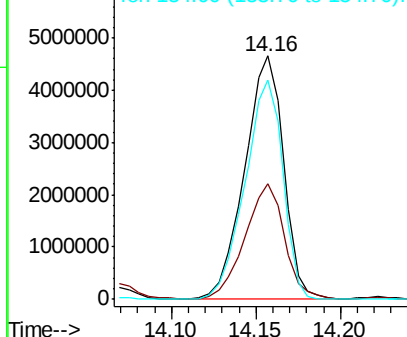
154 90.0 70.2 105.2

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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: 21.676 ng/ul

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN009620.D

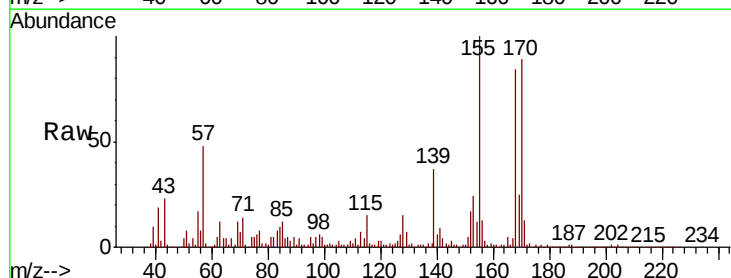
Acq: 06 Feb 2020 21:35

Tgt Ion:168 Resp: 1037180

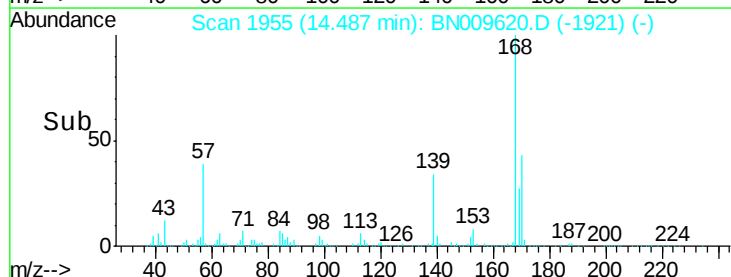
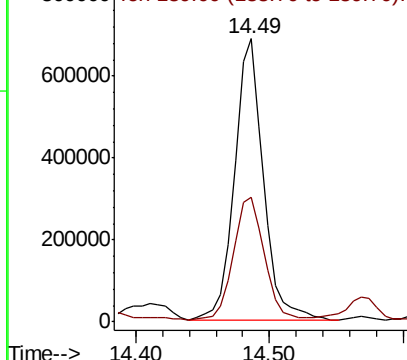
Ion Ratio Lower Upper

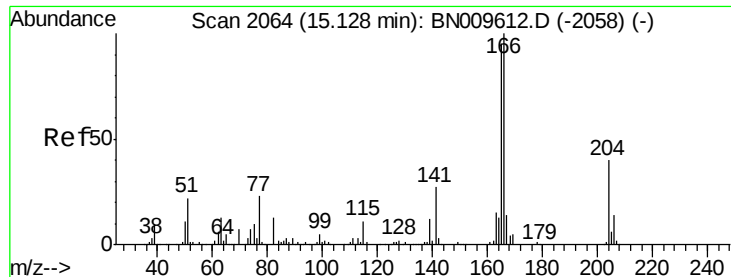
168 100

139 43.8 29.5 44.3



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





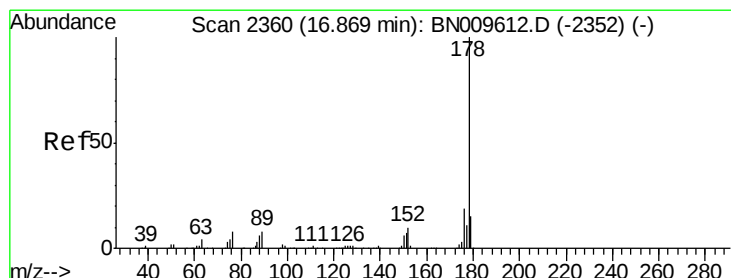
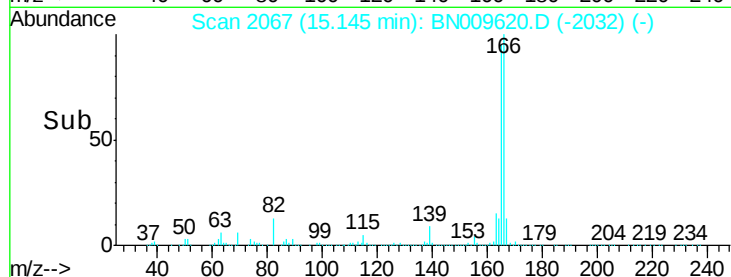
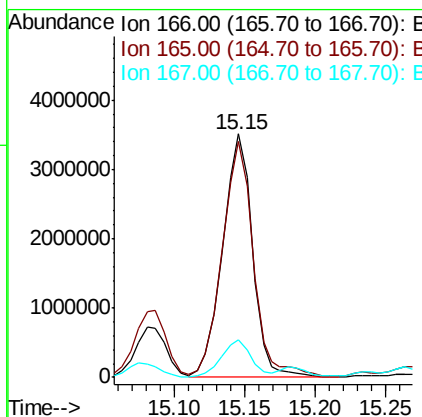
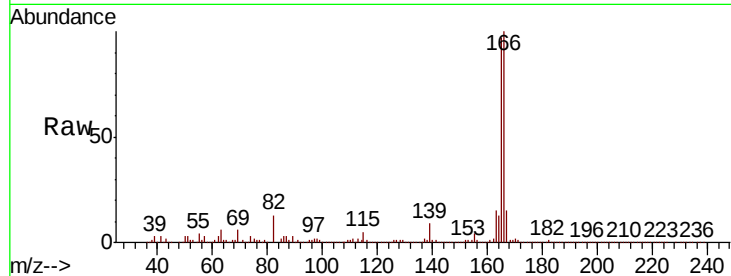
#58
Fluorene
Concen: 128.363 ng/ul
RT: 15.15 min Scan# 2067
Delta R.T. 0.01 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Instrument :
BNA_N
ClientSampleId :
GAT67

Tot Ion:166 Resp: 5133191
Ion Ratio Lower Upper
166 100
165 96.8 76.7 115.1
167 15.2 11.1 16.7

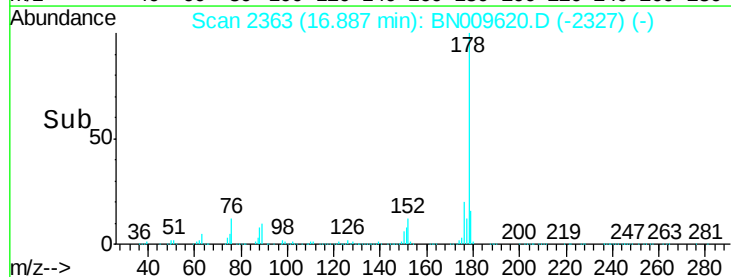
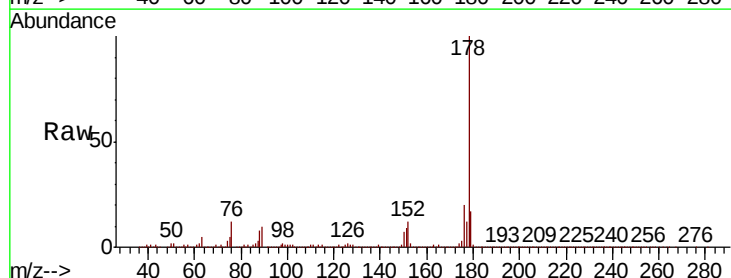
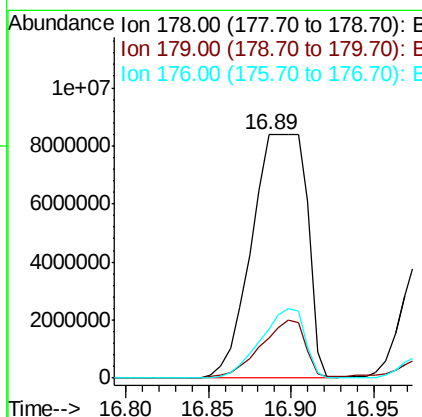
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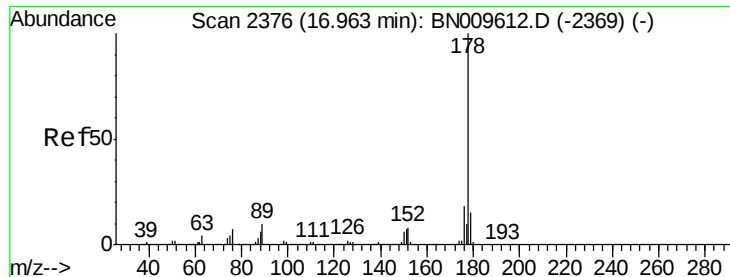
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#69
Phenanthrene
Concen: 362.948 ng/ul m
RT: 16.89 min Scan# 2363
Delta R.T. 0.01 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Tgt Ion:178 Resp:19570402
Ion Ratio Lower Upper
178 100
179 16.6 12.2 18.2
176 20.0 14.8 22.2





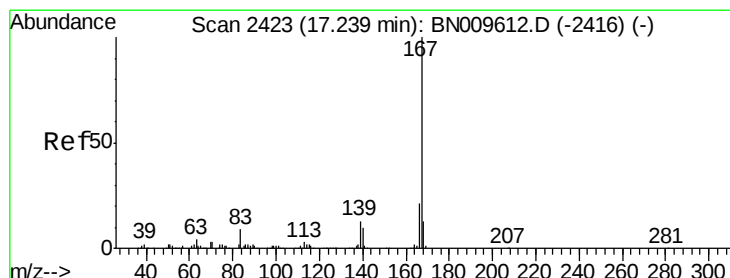
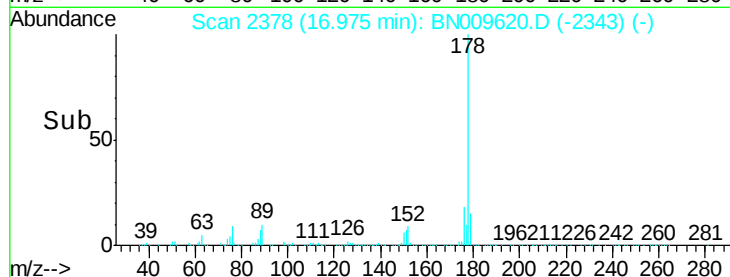
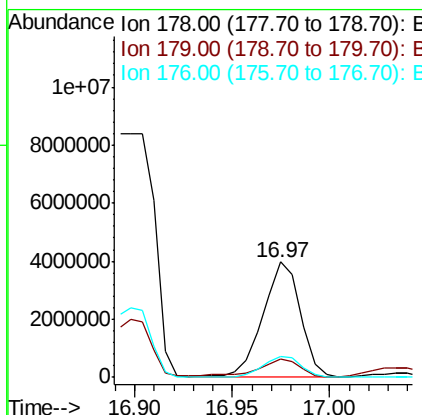
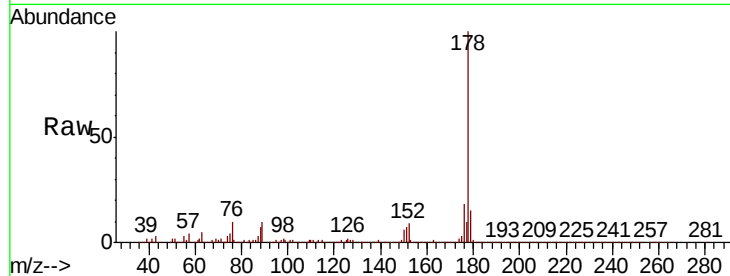
#71
 Anthracene
 Concen: 95.427 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. 0.01 min
 Lab File: BN009620.D
 Acq: 06 Feb 2020 21:35

Instrument :
 BNA_N
 ClientSampleId :
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Tot Ion:178 Resp: 5220907
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 18.2 14.6 21.8

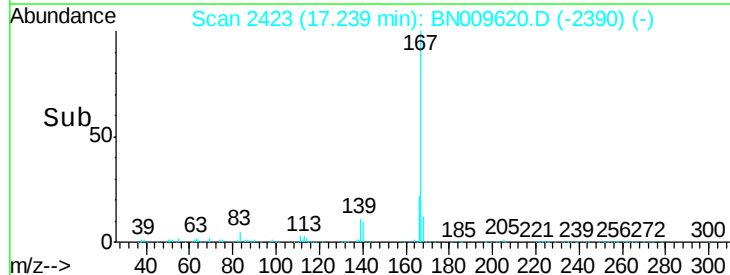
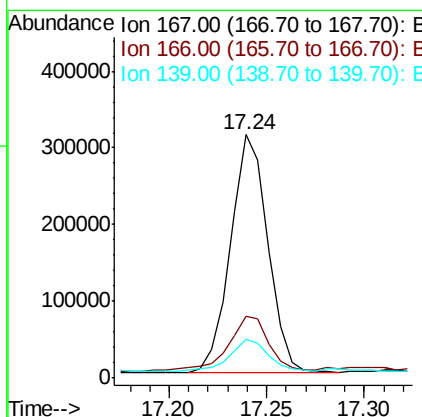
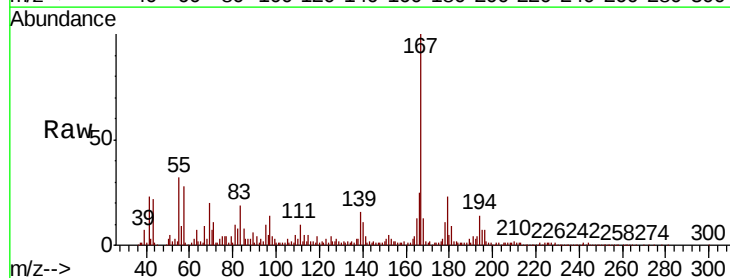
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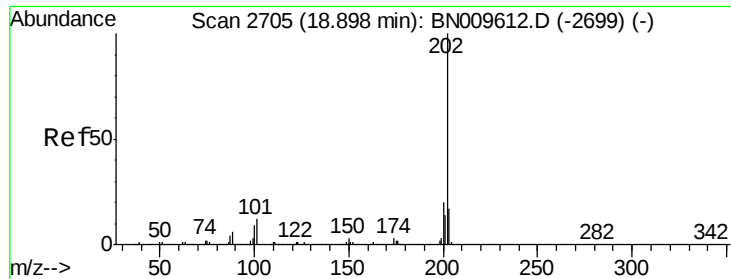
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#74
 Carbazole
 Concen: 8.652 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BN009620.D
 Acq: 06 Feb 2020 21:35

Tgt Ion:167 Resp: 412137
 Ion Ratio Lower Upper
 167 100
 166 25.3 16.2 24.4#
 139 15.8 10.4 15.6#





#76

Fluoranthene

Concen: 87.787 ng/ul

RT: 18.91 min Scan# 2707

Delta R.T. 0.01 min

Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Instrument :

BNA_N

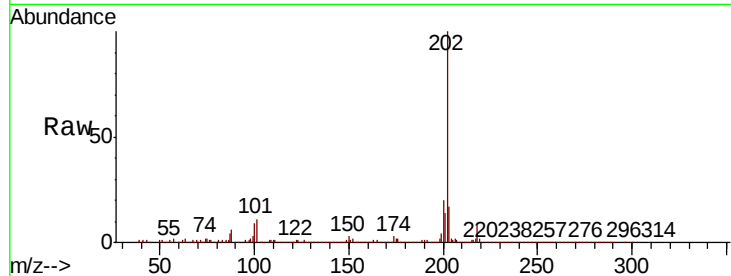
ClientSampled :

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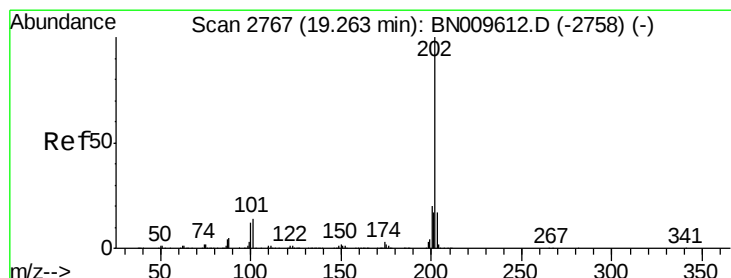
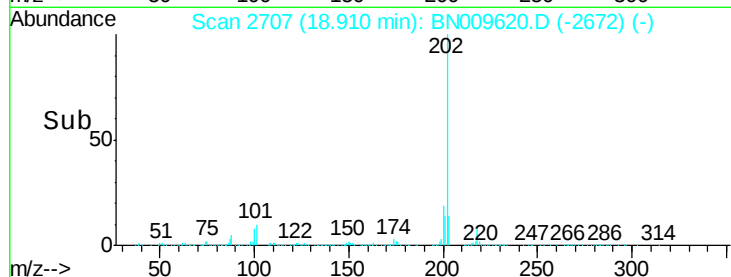
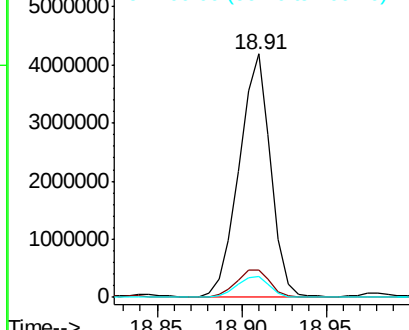
Tot Ion:	202	Resp:	5402465
Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.2	13.8
100	8.6	6.9	10.3

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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: 128.400 ng/ul

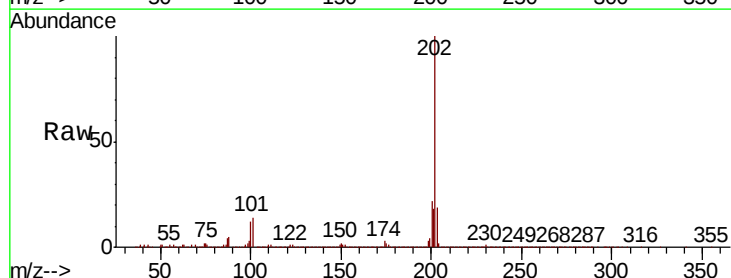
RT: 19.27 min Scan# 2769

Delta R.T. 0.01 min

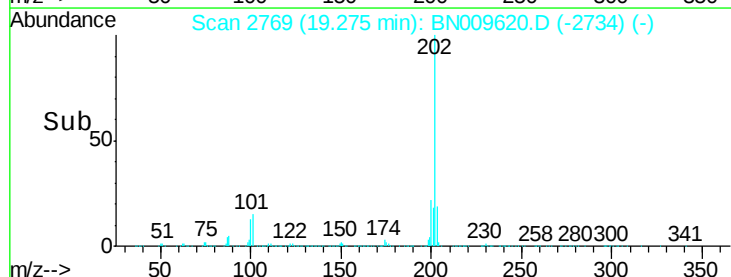
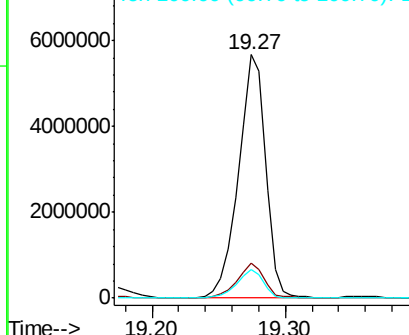
Lab File: BN009620.D

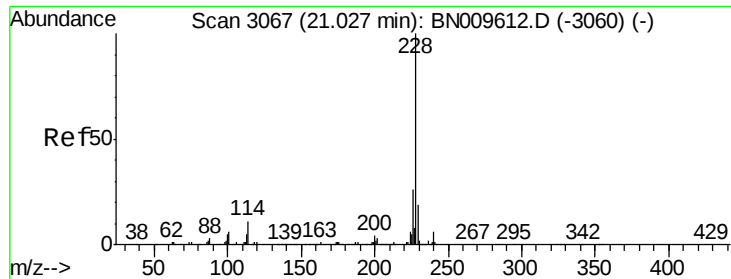
Acq: 06 Feb 2020 21:35

Tgt Ion:	202	Resp:	7947655
Ion	Ratio	Lower	Upper
202	100		
101	14.3	10.3	15.5
100	11.9	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: 45.879 ng/ul

RT: 21.03 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Instrument :

BNA_N

ClientSampled :

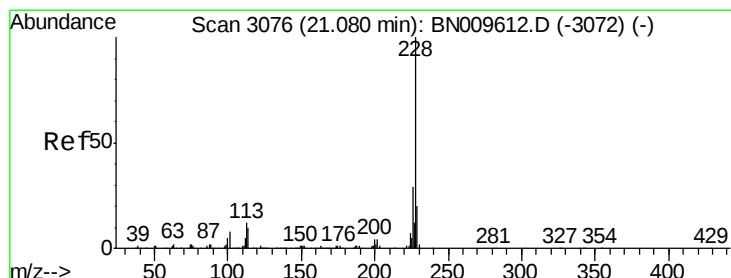
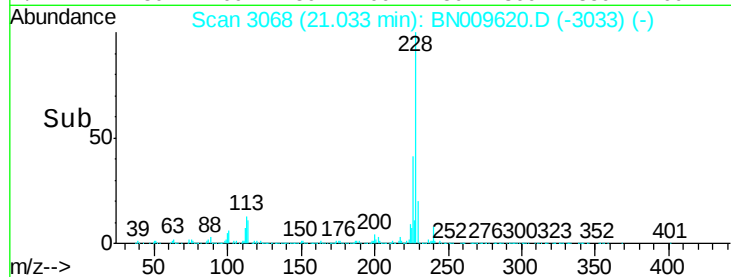
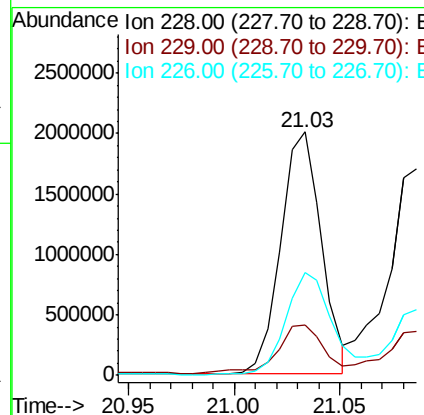
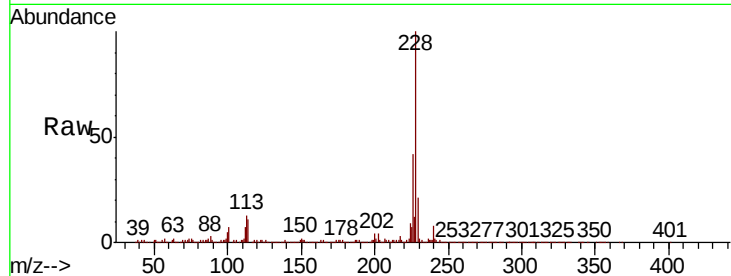
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Tot Ion:228 Resp: 2685913

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.0	22.4
226	42.0	20.9	31.3#

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#84

Chrysene

Concen: 41.013 ng/ul

RT: 21.09 min Scan# 3077

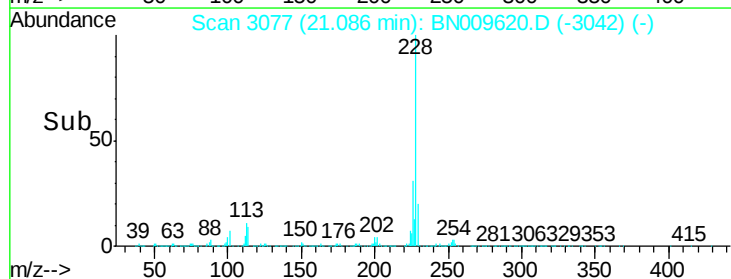
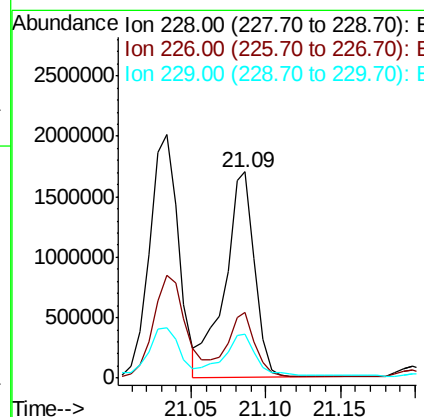
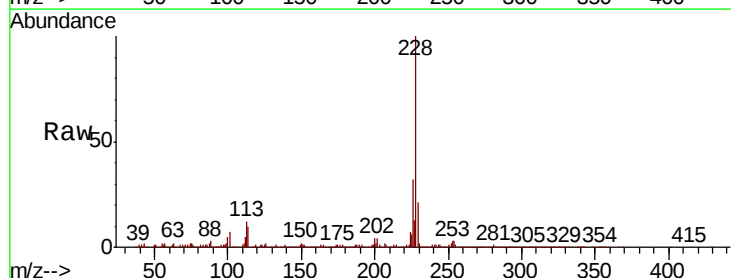
Delta R.T. 0.01 min

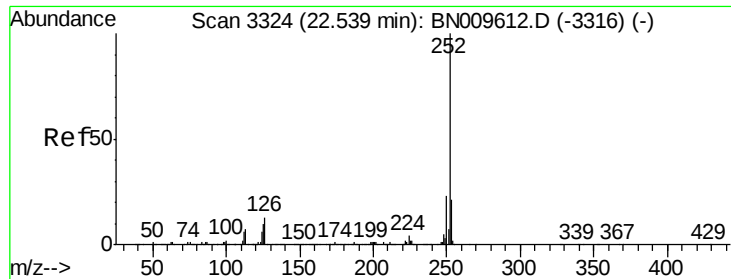
Lab File: BN009620.D

Acq: 06 Feb 2020 21:35

Tgt Ion:228 Resp: 2390294

Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.5	35.3
229	21.2	15.8	23.8





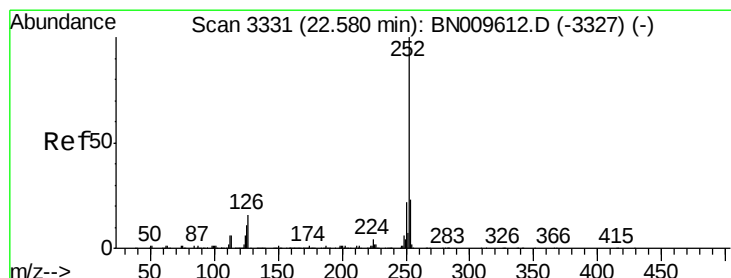
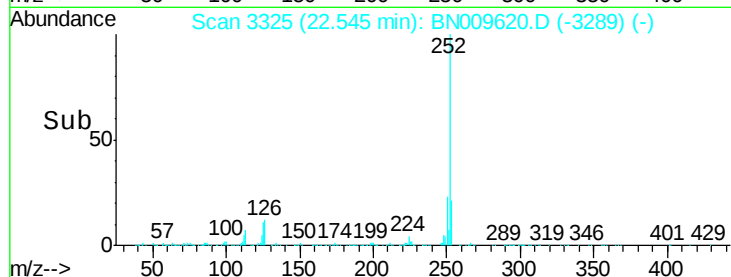
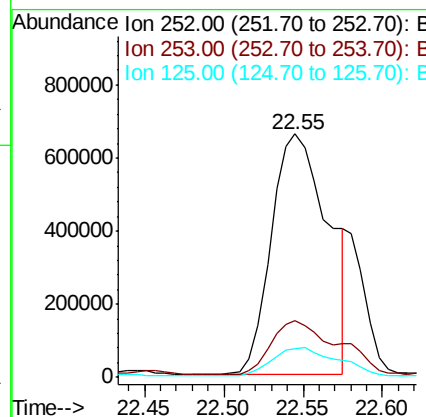
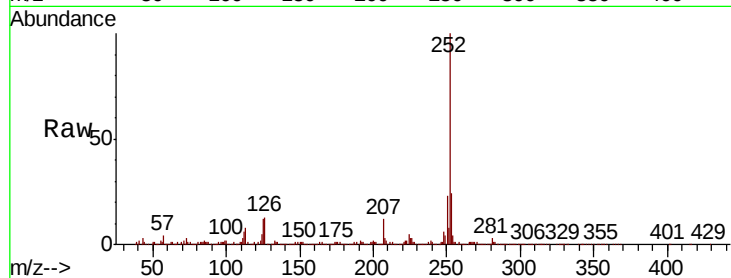
#87
Benzo(b)fluoranthene
Concen: 27.648 ng/ul
RT: 22.55 min Scan# 3325
Delta R.T. 0.01 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Instrument :
BNA_N
ClientSampleId :
GAT67

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	11.9	8.2	12.2

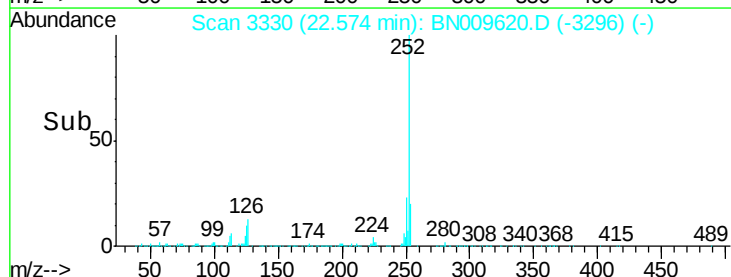
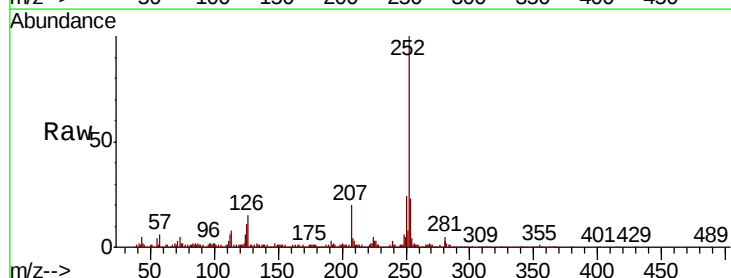
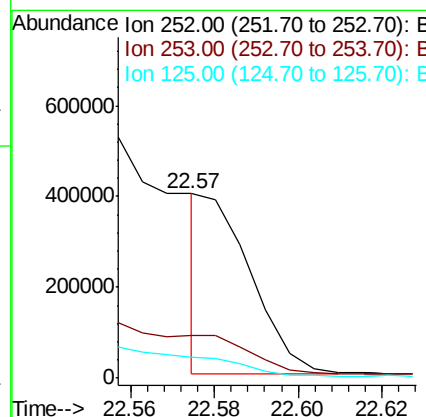
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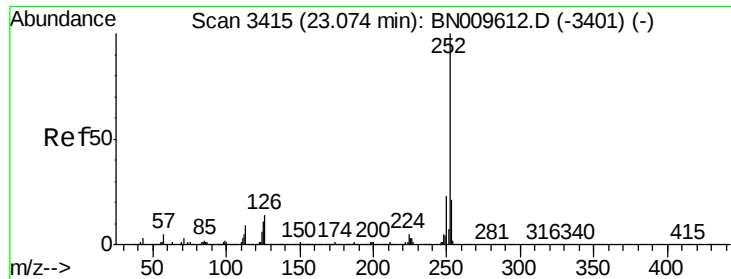
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#88
Benzo(k)fluoranthene
Concen: 5.244 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	11.4	8.0	12.0





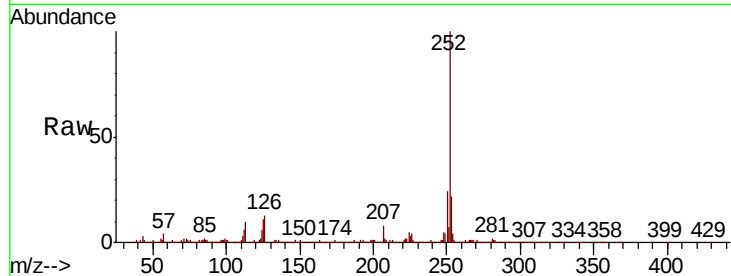
#90
Benzo(a)pyrene
Concen: 32.703 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. 0.01 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Instrument :
BNA_N
ClientSampled :
GAT67

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	15.8	23.8
125	10.6	8.7	13.1

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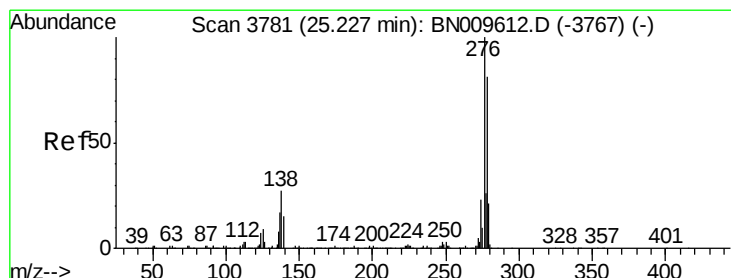
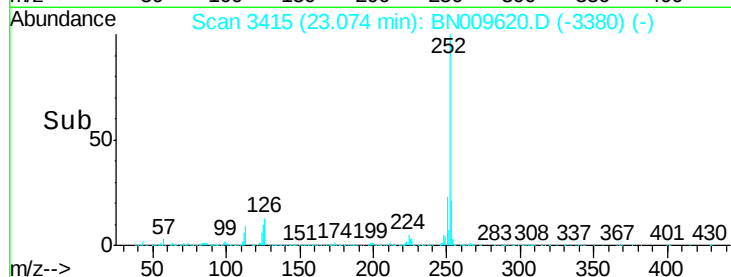
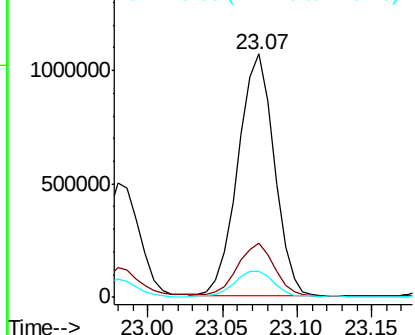


Abundance

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: 9.624 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. 0.00 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

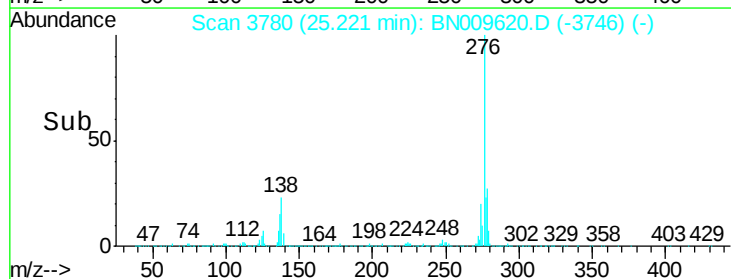
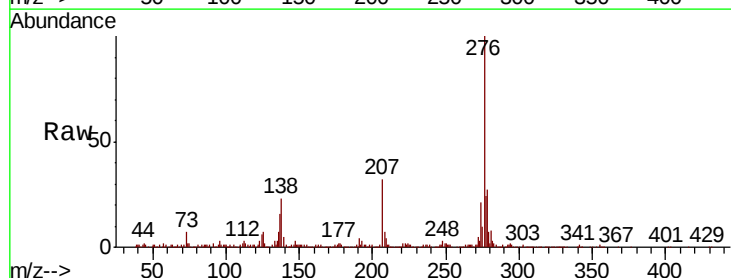
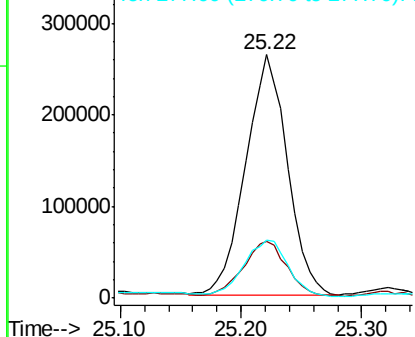
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.3	30.5
277	24.0	21.2	31.8

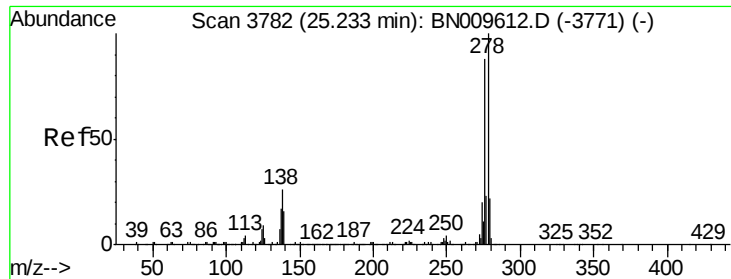
Abundance

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





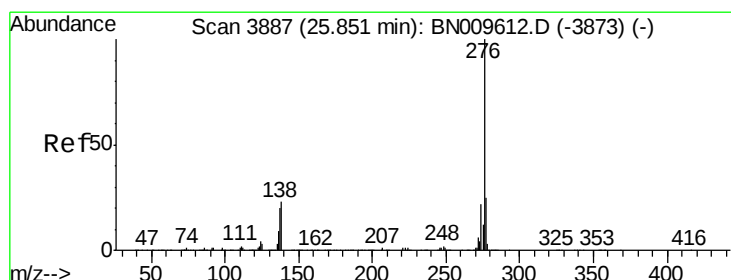
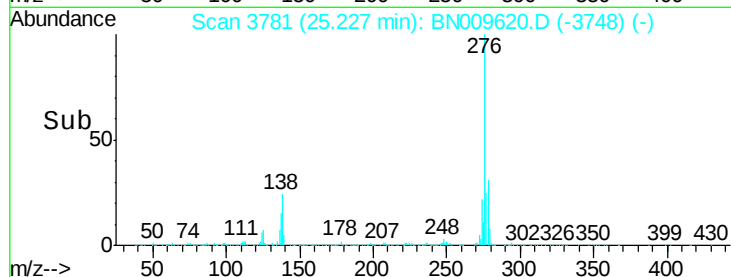
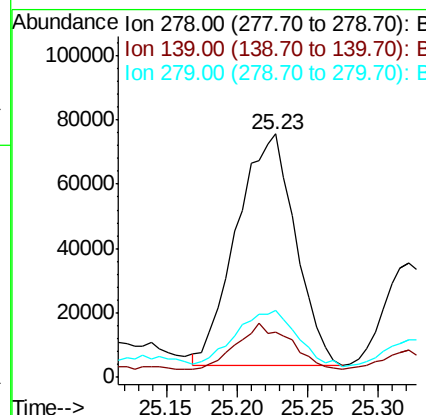
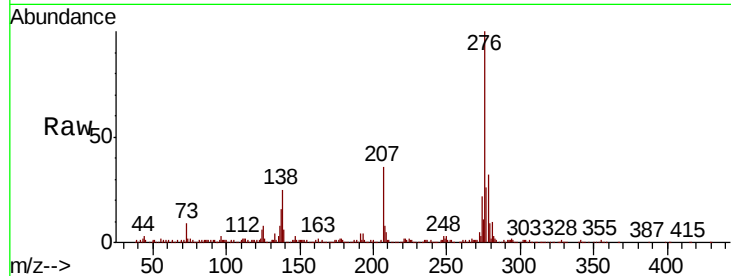
#92
Dibenzo(a,h)anthracene
Concen: 3.804 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.01 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Instrument :
BNA_N
ClientSampled :
GAT67

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	12.7	19.1
279	27.3	19.8	29.8

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#93
Benzo(g,h,i)perylene
Concen: 11.057 ng/ul
RT: 25.85 min Scan# 3887
Delta R.T. 0.00 min
Lab File: BN009620.D
Acq: 06 Feb 2020 21:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	16.0	24.0
277	24.6	17.0	25.6

