

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009631.D
 Acq On : 07 Feb 2020 04:47
 Operator : CG/JU
 Sample : L1324-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT60

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:20:14 AM

Quant Time: Feb 07 14:36:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 11:12:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	157685	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	646392	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	409866	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	780769	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	686843	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	772069	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	10165	2.64	ng/uL	0.00
5) Phenol-d5	6.63	99	215093	15.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	157674	17.07	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	169941	16.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	175426	16.02	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	86995	18.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	97580	18.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	170632	16.98	ng/ul	0.01
29) 4-Chloroaniline-d4	10.33	131	140377	12.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	537862	17.98	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	638152	17.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	64525	11.42	ng/ul	0.00
57) Fluorene-d10	15.07	176	472317	17.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	49782	10.21	ng/ul	0.02
70) Anthracene-d10	16.93	188	692000	19.51	ng/ul	0.00
78) Pyrene-d10	19.24	212	754531	20.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	752018	19.78	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.66	94	44938	3.058	ng/ul 97
14) Acetophenone	8.26	105	52509	2.996	ng/ul 97
28) Naphthalene	10.25	128	23217814m	662.358	ng/ul
34) 2-Methylnaphthalene	11.87	142	8548810	348.494	ng/ul 93
40) 1,1'-Biphenyl	12.89	154	1825387	57.201	ng/ul 99
44) Dimethylphthalate	13.55	163	136567	4.301	ng/ul 99
47) Acenaphthylene	13.79	152	5710740	144.344	ng/ul 99
49) Acenaphthene	14.13	153	556416	20.688	ng/ul 99
53) Dibenzofuran	14.47	168	684896	18.287	ng/ul 95
58) Fluorene	15.13	166	3347974	106.962	ng/ul 99
69) Phenanthrene	16.89	178	19333000m	434.192	ng/ul
71) Anthracene	16.97	178	5526437	122.323	ng/ul 99
74) Carbazole	17.24	167	201992	5.135	ng/ul 93
76) Fluoranthene	18.91	202	10346335	203.592	ng/ul 96
79) Pyrene	19.28	202	14094643m	281.108	ng/ul
82) Benzo(a)anthracene	21.03	228	5244279m	110.586	ng/ul
84) Chrysene	21.09	228	4475188	94.792	ng/ul 98
87) Benzo(b)fluoranthene	22.55	252	3375588	69.881	ng/ul 99
88) Benzo(k)fluoranthene	22.57	252	1196385m	25.149	ng/ul
90) Benzo(a)pyrene	23.08	252	4084230	91.258	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.23	276	1633662	30.703	ng/ul 96
92) Dibenzo(a,h)anthracene	25.23	278	444855	9.932	ng/ul# 84
93) Benzo(g,h,i)perylene	25.86	276	1609748	36.097	ng/ul 96

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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

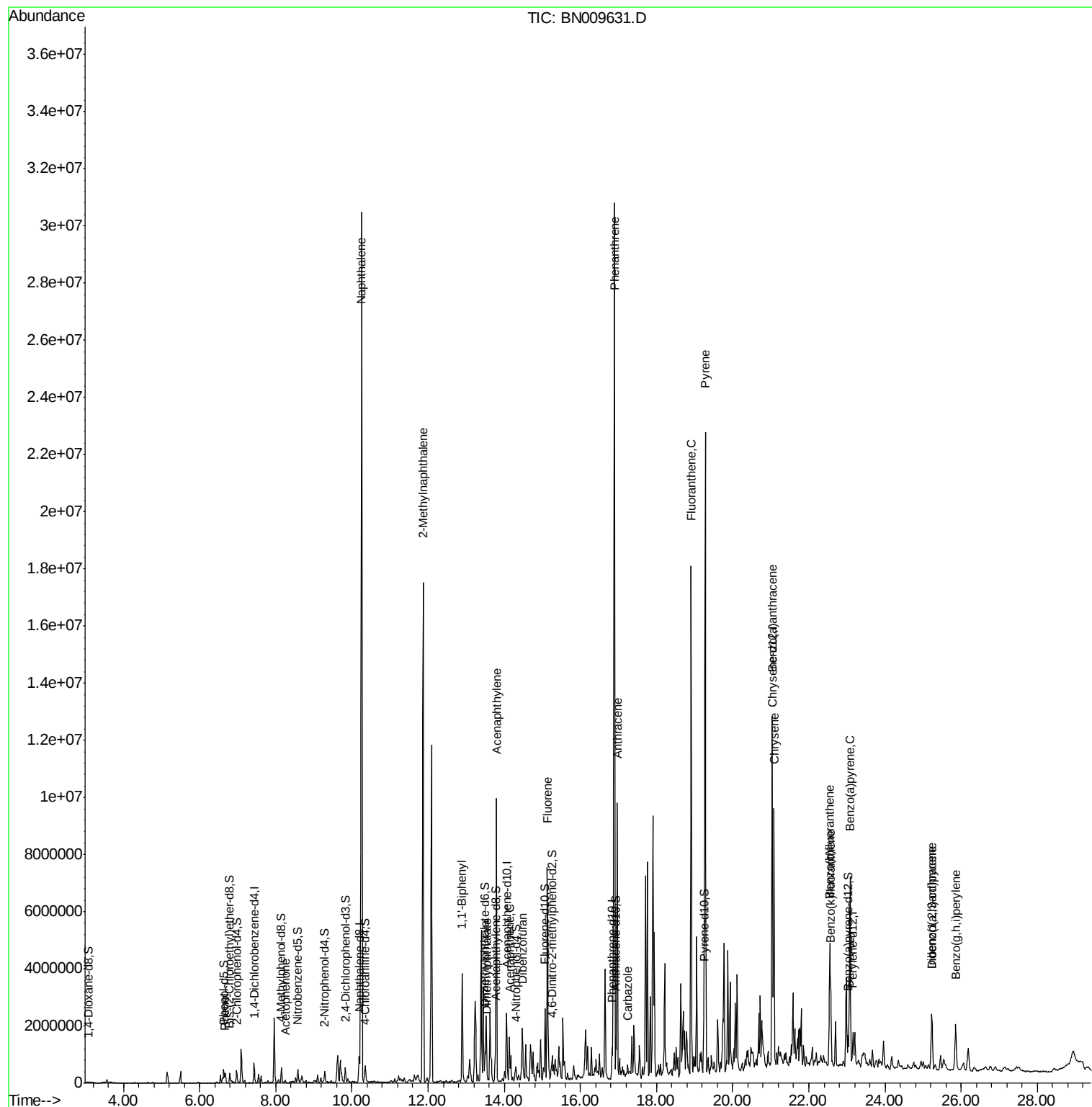
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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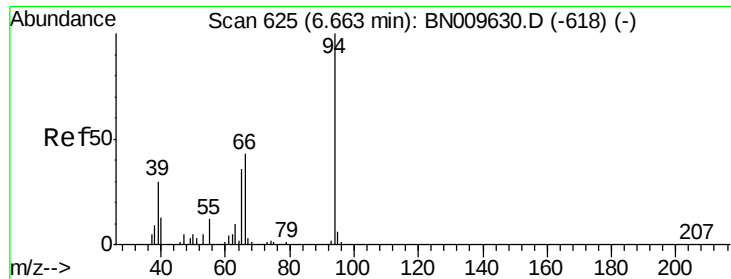
Instrument :
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#6

Phenol

Concen: 3.058 ng/ul

RT: 6.66 min Scan# 625

Delta R.T. 0.00 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

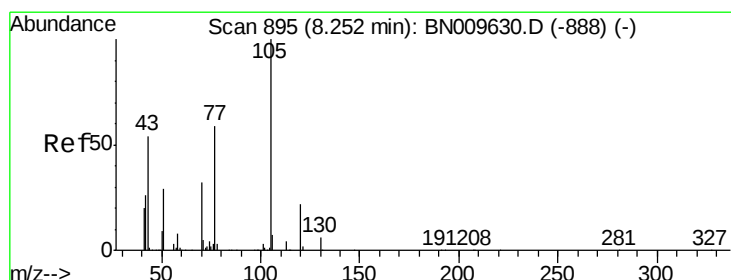
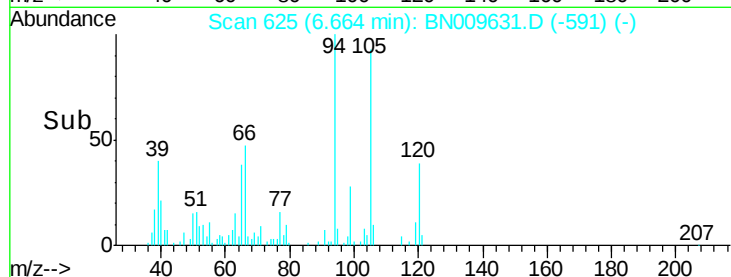
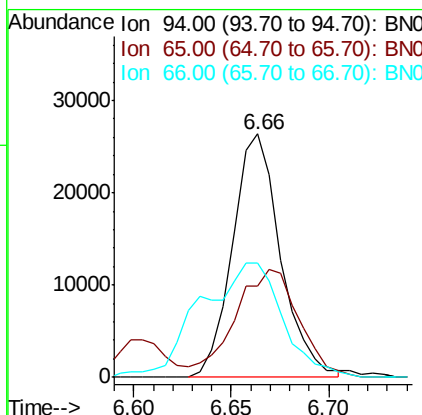
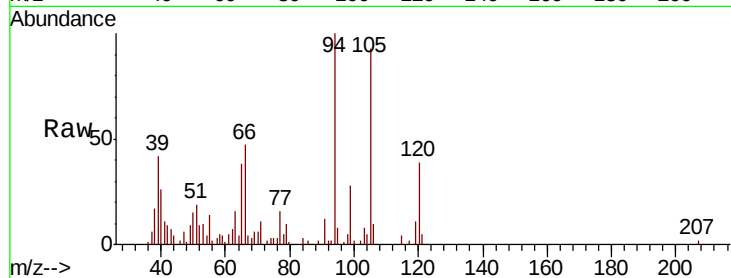
ClientSampled :

GAT60

Tot Ion:	94	Resp:	44938
Ion	Ratio	Lower	Upper
94	100		
65	37.8	29.8	44.6
66	46.8	39.5	59.3

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#14

Acetophenone

Concen: 2.996 ng/ul

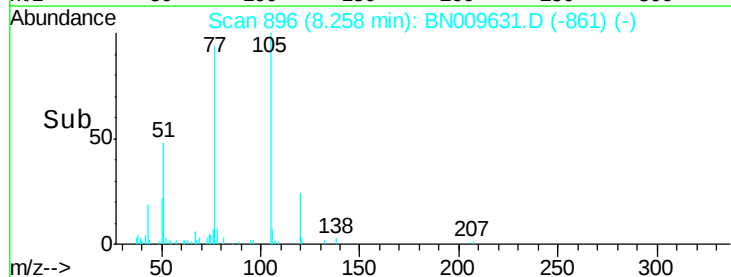
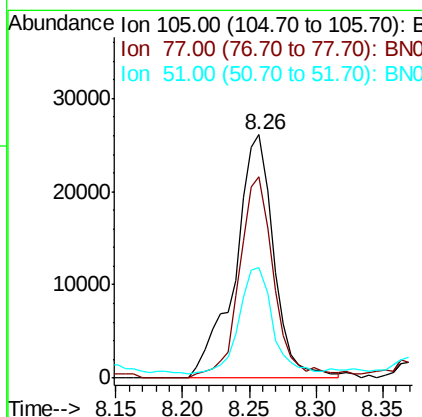
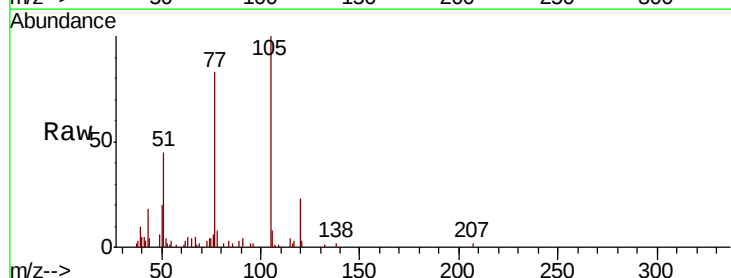
RT: 8.26 min Scan# 896

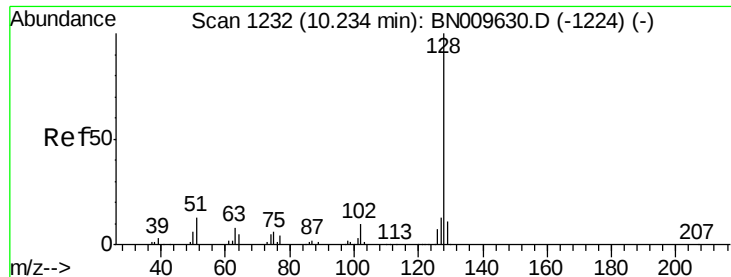
Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Tgt Ion:	105	Resp:	52509
Ion	Ratio	Lower	Upper
105	100		
77	82.8	67.7	101.5
51	45.2	34.3	51.5





#28

Naphthalene

Concen: 662.358 ng/ul m

RT: 10.25 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampleId :

GAT60

Tot Ion:128 Resp:23217814

Ion Ratio Lower Upper

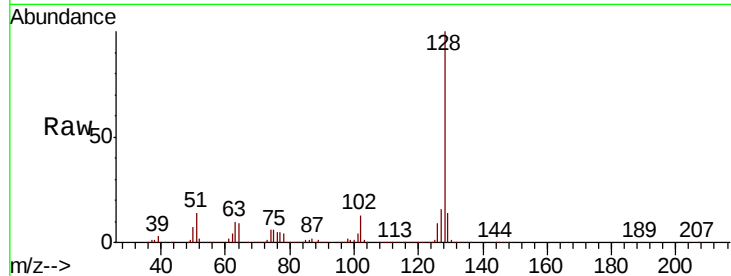
128 100

129 13.8 8.7 13.1#

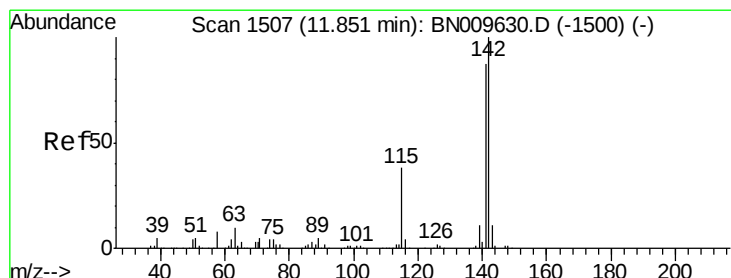
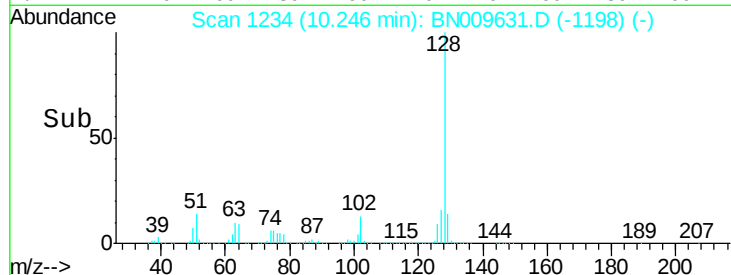
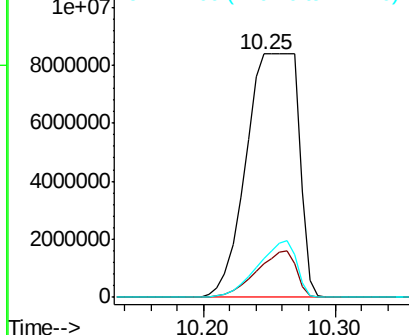
127 15.9 10.7 16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 348.494 ng/ul

RT: 11.87 min Scan# 1510

Delta R.T. 0.02 min

Lab File: BN009631.D

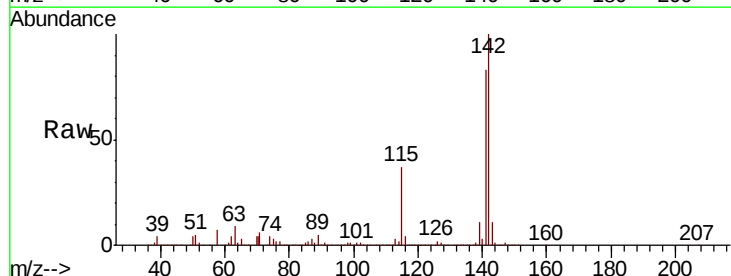
Acq: 07 Feb 2020 04:47

Tgt Ion:142 Resp: 8548810

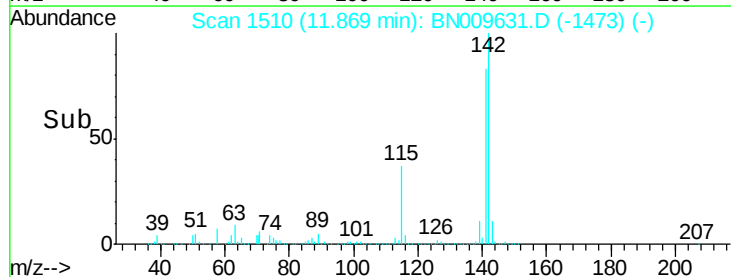
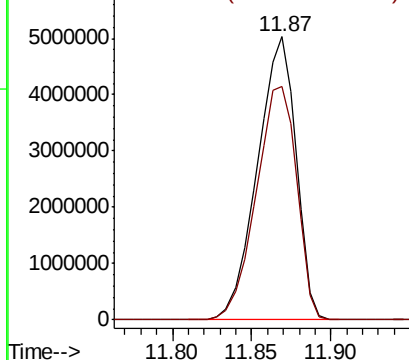
Ion Ratio Lower Upper

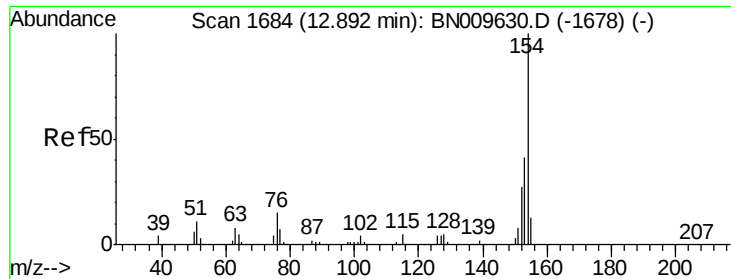
142 100

141 82.7 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





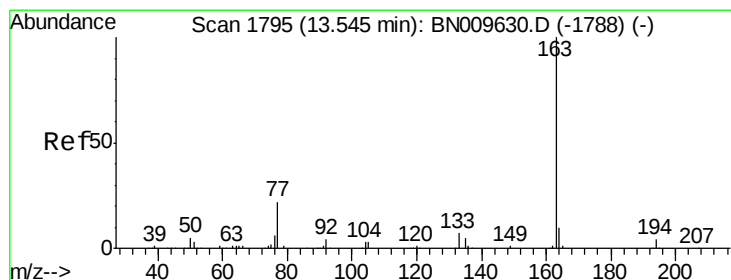
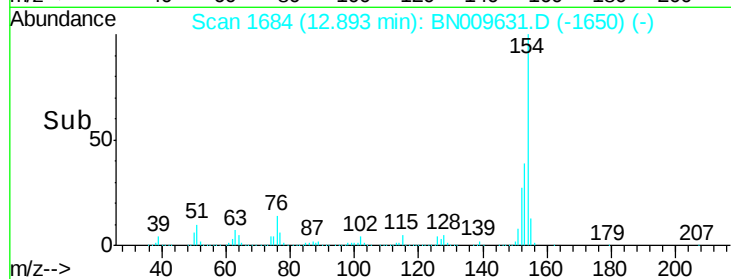
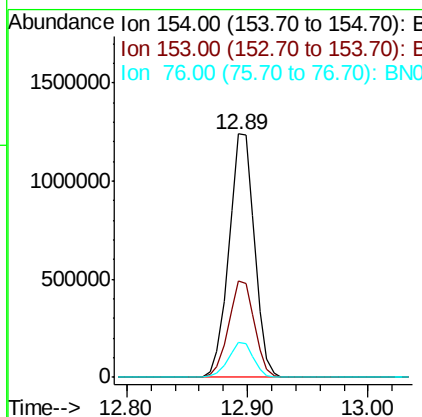
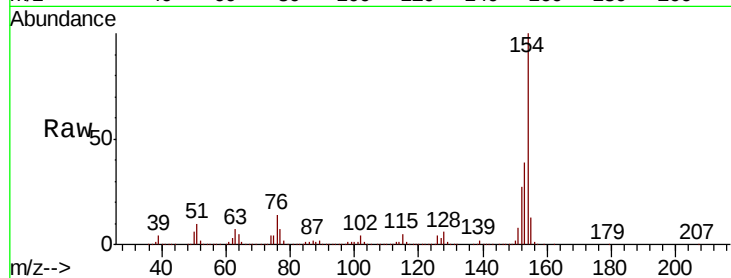
#40
1,1'-Biphenyl
Concen: 57.201 ng/ul
RT: 12.89 min Scan# 1684
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Instrument :
BNA_N
ClientSampleId :
GAT60

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.4	31.2	46.8
76	14.5	11.4	17.2

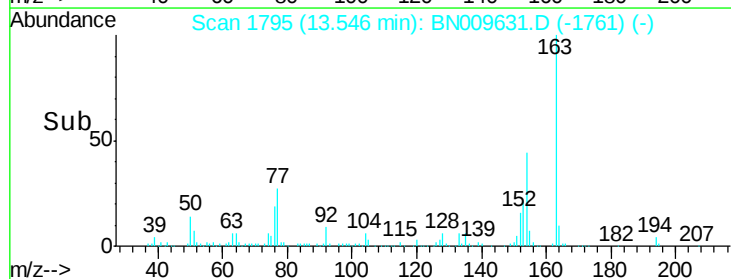
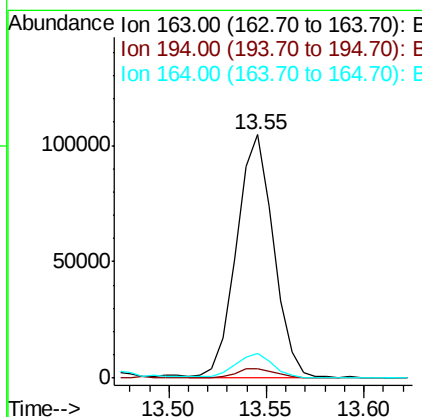
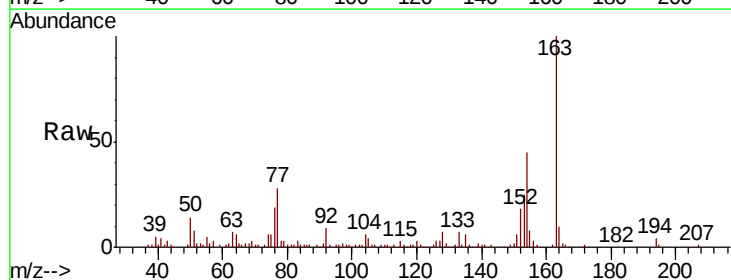
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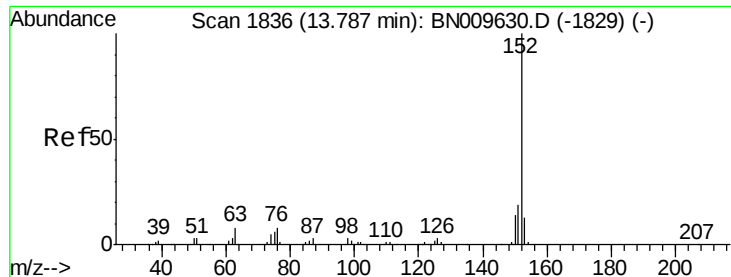
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#44
Dimethylphthalate
Concen: 4.301 ng/ul
RT: 13.55 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	9.9	8.0	12.0





#47

Acenaphthylene

Concen: 144.344 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampled :

GAT60

Tot Ion:152 Resp: 5710740

Ion Ratio Lower Upper

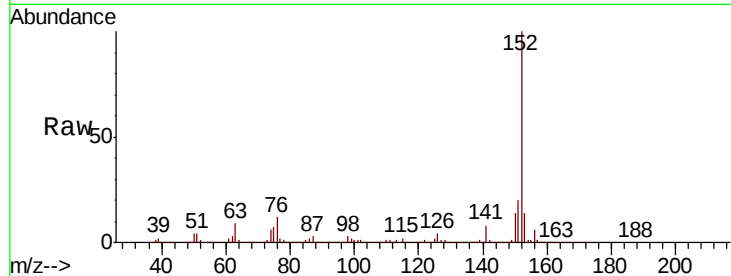
152 100

151 19.8 16.2 24.2

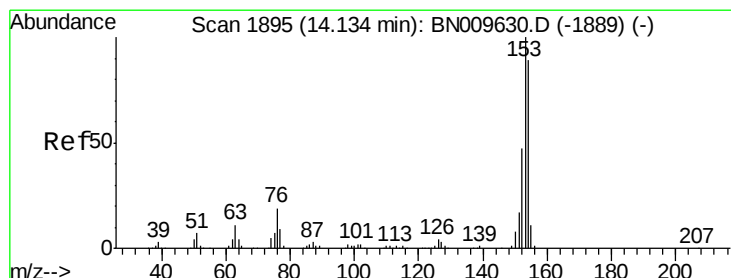
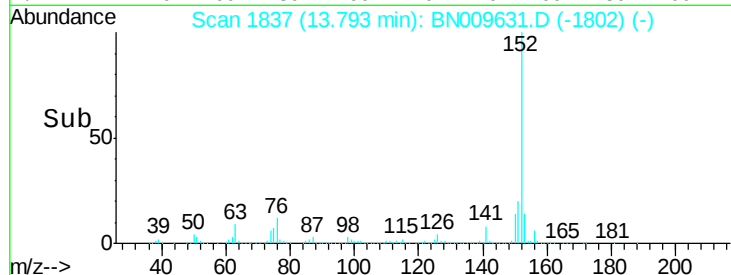
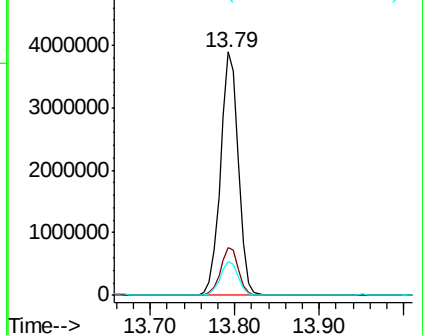
153 13.9 10.6 15.8

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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: 20.688 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

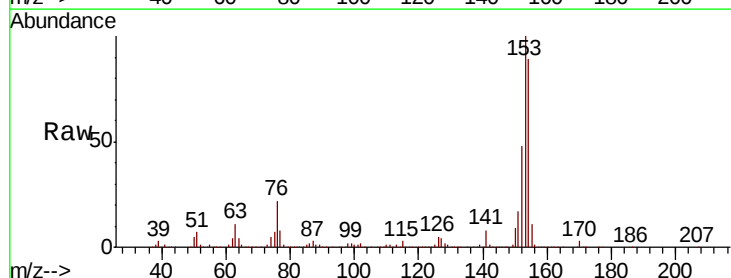
Tgt Ion:153 Resp: 556416

Ion Ratio Lower Upper

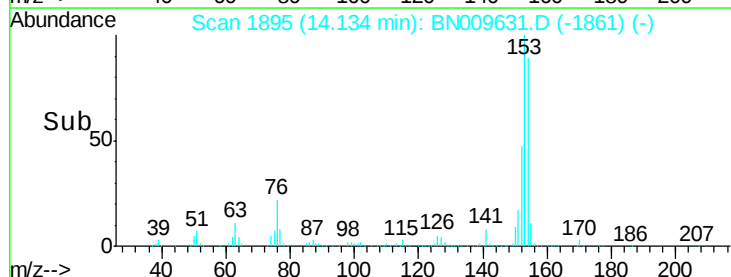
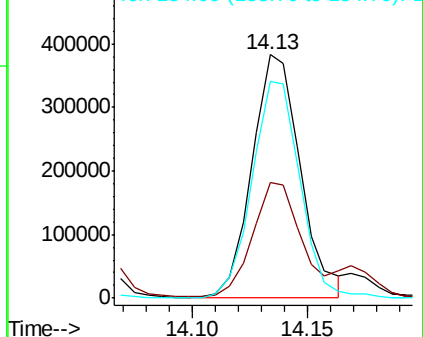
153 100

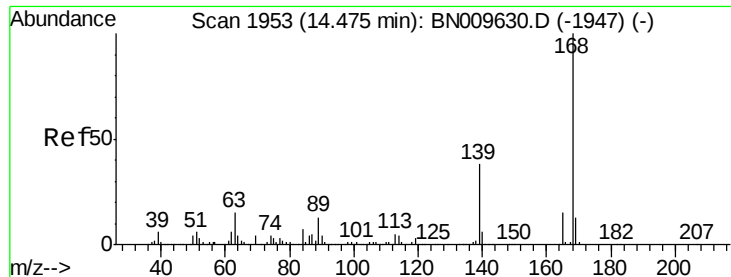
152 47.5 37.3 55.9

154 88.8 70.2 105.2



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





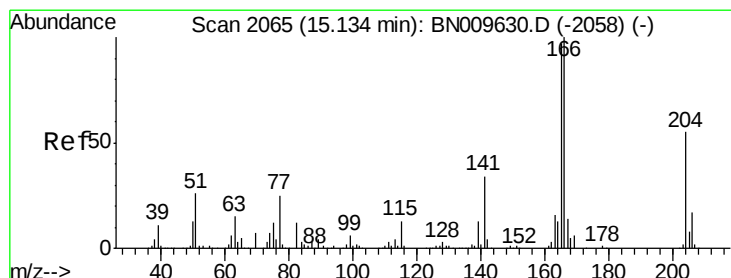
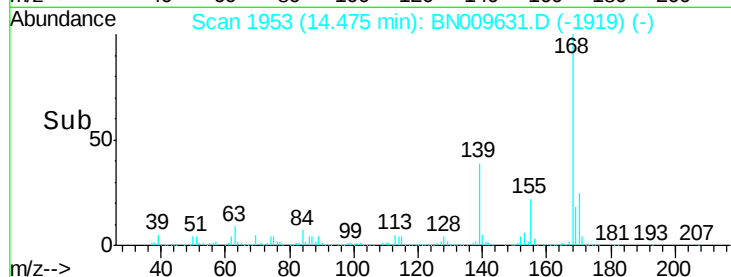
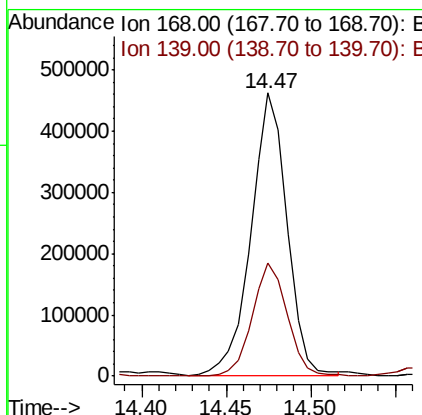
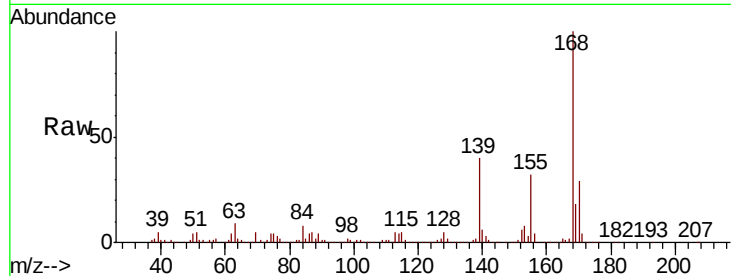
#53
Dibenzenofuran
Concen: 18.287 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Instrument :
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Tot Ion:168 Resp: 684896
Ion Ratio Lower Upper
168 100
139 40.0 29.5 44.3

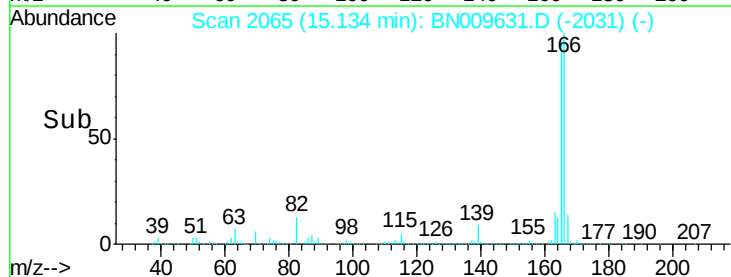
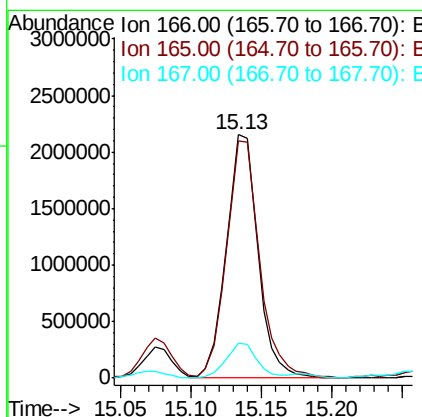
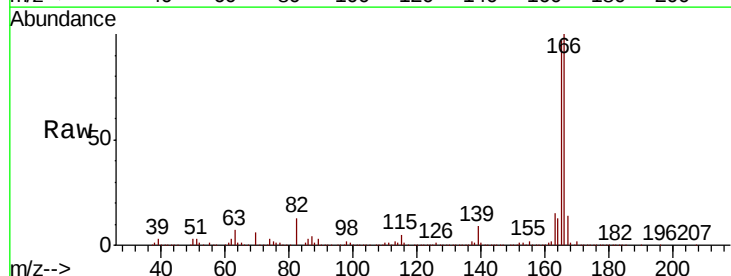
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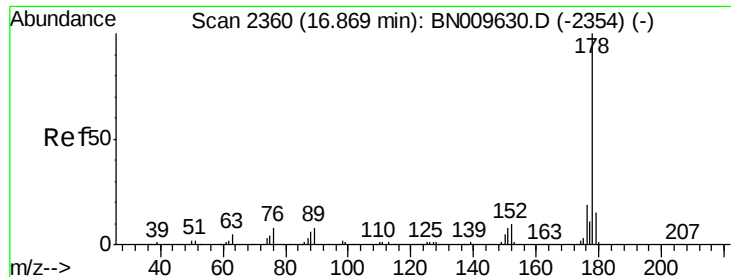
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#58
Fluorene
Concen: 106.962 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Tgt Ion:166 Resp: 3347974
Ion Ratio Lower Upper
166 100
165 97.3 76.7 115.1
167 14.4 11.1 16.7





#69

Phenanthrene

Concen: 434.192 ng/ul m

RT: 16.89 min Scan# 2363

Delta R.T. 0.02 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampled :

GAT60

Tot Ion:178 Resp:19333000

Ion Ratio Lower Upper

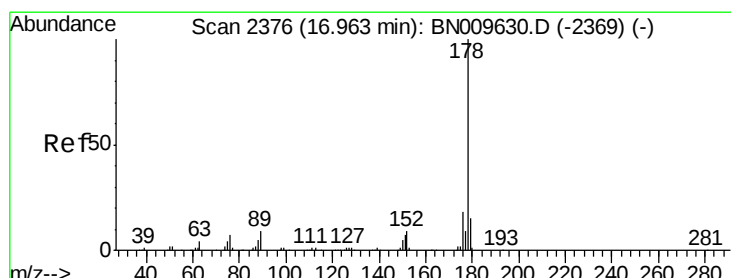
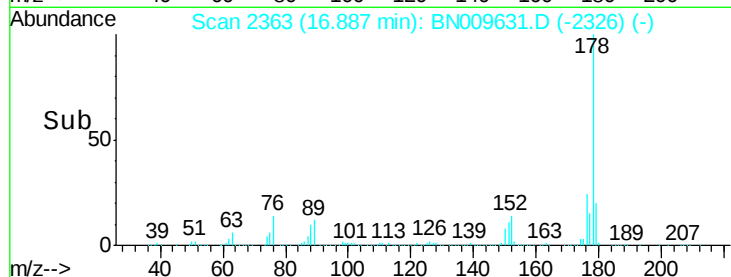
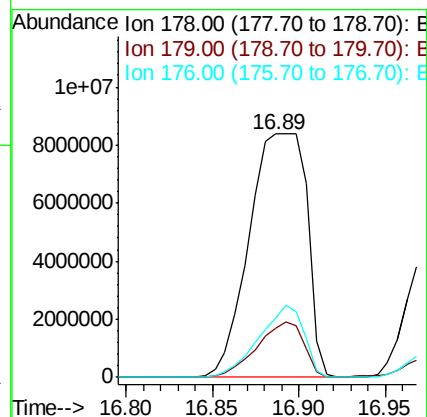
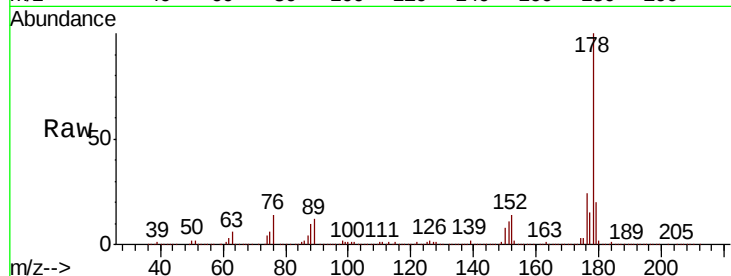
178 100

179 20.2 12.2 18.2#

176 24.3 14.8 22.2#

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#71

Anthracene

Concen: 122.323 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

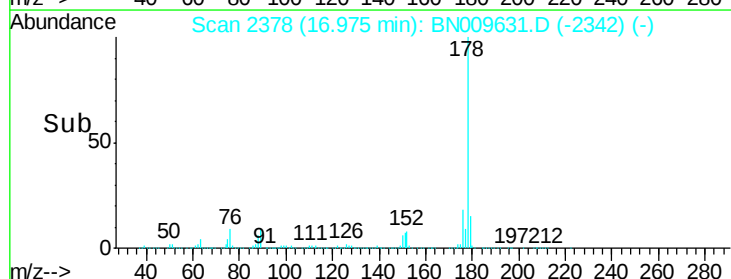
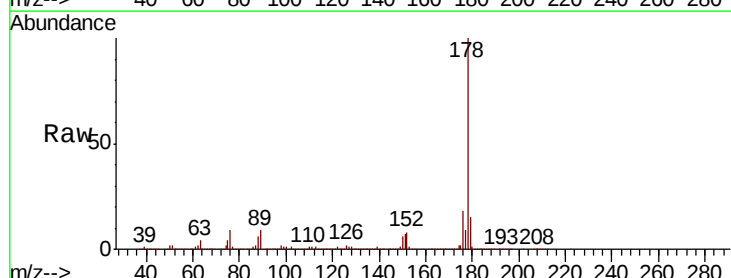
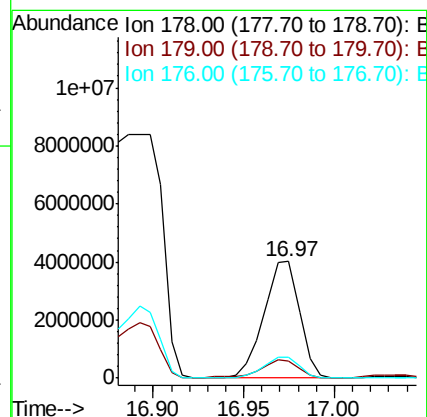
Tgt Ion:178 Resp: 5526437

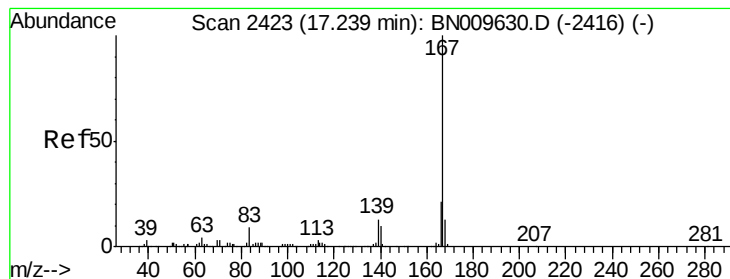
Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

176 17.7 14.6 21.8





#74

Carbazole

Concen: 5.135 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

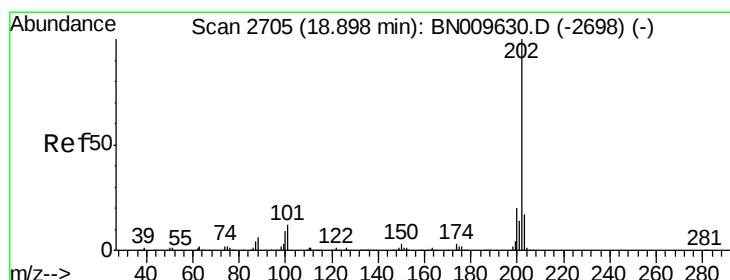
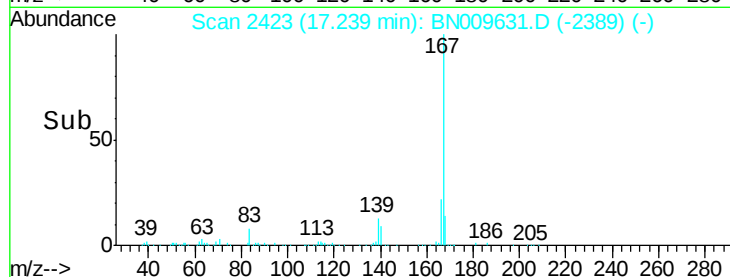
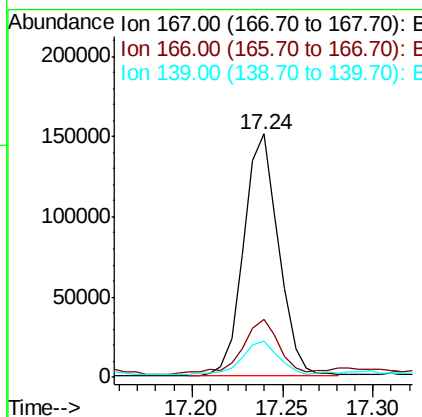
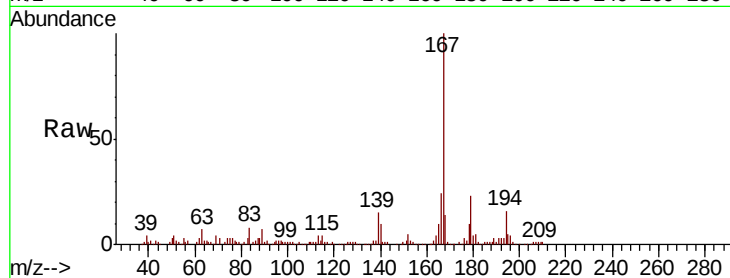
ClientSampleId :

GAT60

Tot Ion:	167	Resp:	201992
Ion Ratio		Lower	Upper
167	100		
166	24.1	16.2	24.4
139	14.7	10.4	15.6

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#76

Fluoranthene

Concen: 203.592 ng/ul

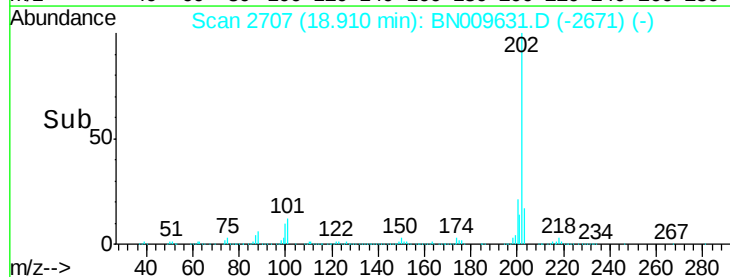
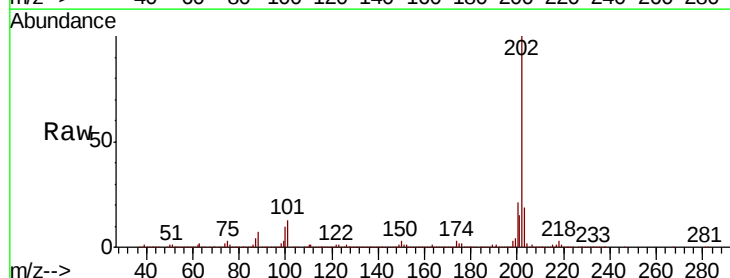
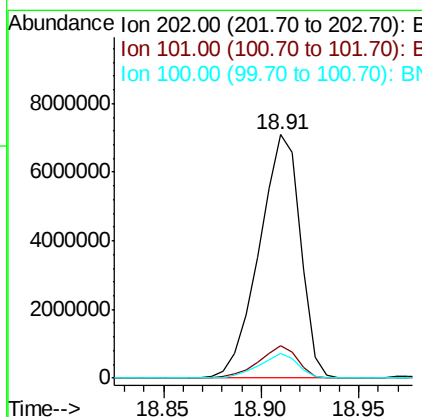
RT: 18.91 min Scan# 2707

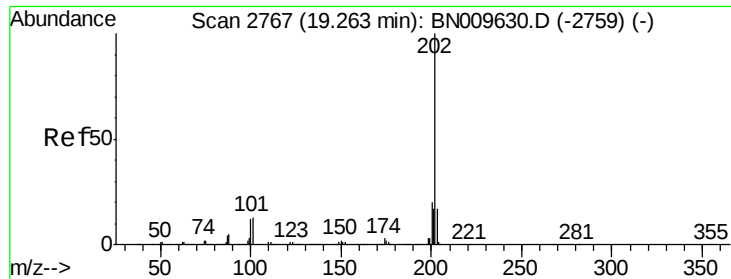
Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Tgt Ion:	202	Resp:	10346335
Ion Ratio		Lower	Upper
202	100		
101	13.2	9.2	13.8
100	10.2	6.9	10.3





#79

Pvrene

Concen: 281.108 ng/ul m

RT: 19.28 min Scan# 2770

Delta R.T. 0.02 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampleId :

GAT60

Tot Ion:202 Resp:14094643

Ion Ratio Lower Upper

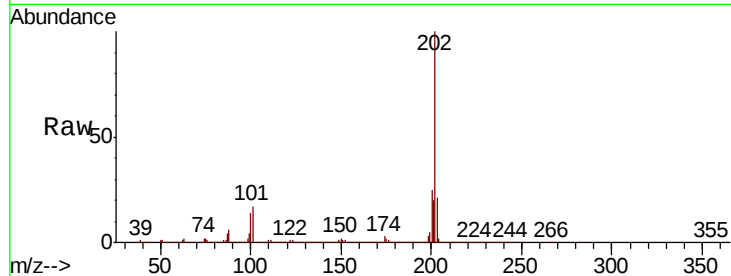
202 100

101 17.3 10.3 15.5#

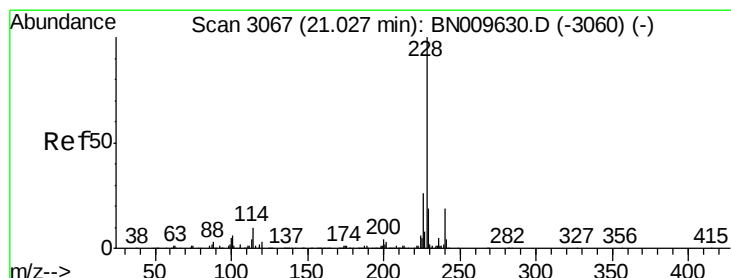
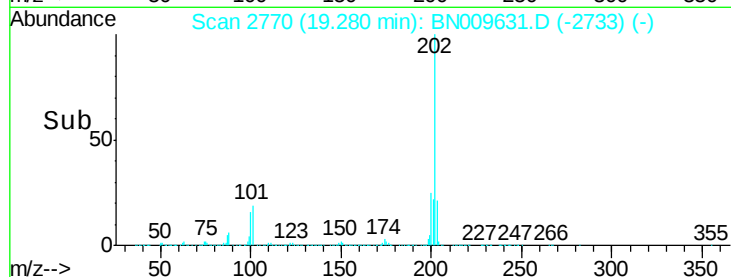
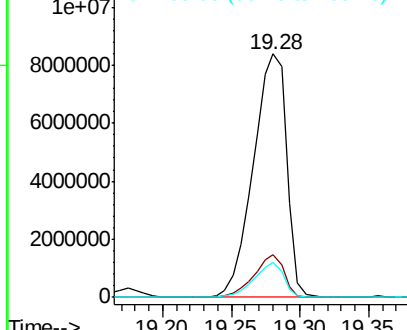
100 14.5 8.4 12.6#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 110.586 ng/ul m

RT: 21.03 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

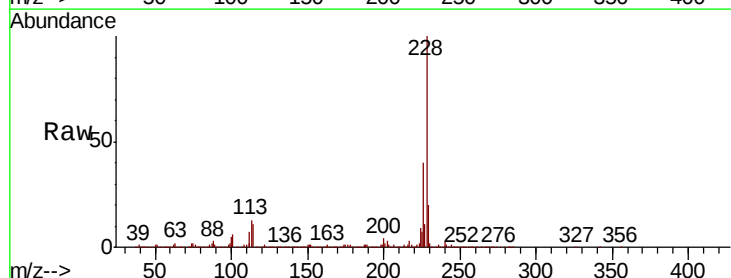
Tgt Ion:228 Resp: 5244279

Ion Ratio Lower Upper

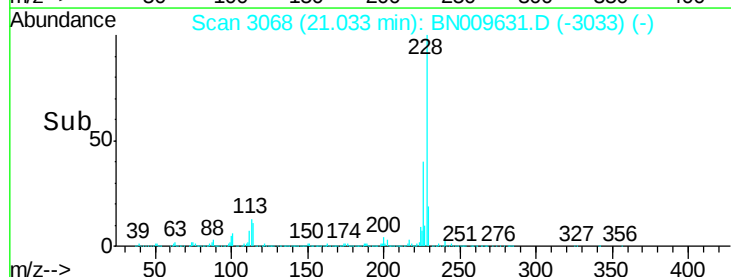
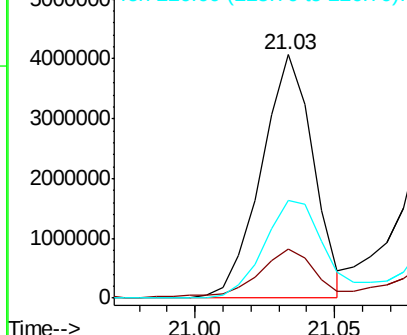
228 100

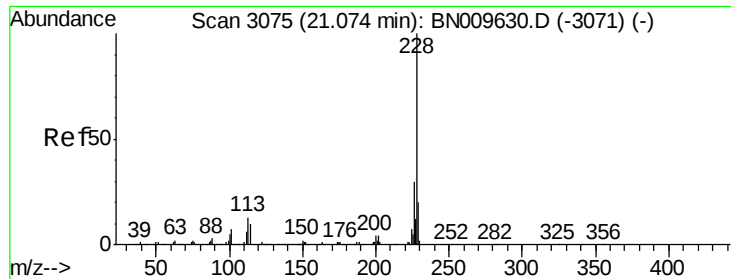
229 20.0 15.0 22.4

226 40.3 20.9 31.3#



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





#84

Chrysene

Concen: 94.792 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampleId :

GAT60

Tot Ion:228 Resp: 4475188

Ion Ratio Lower Upper

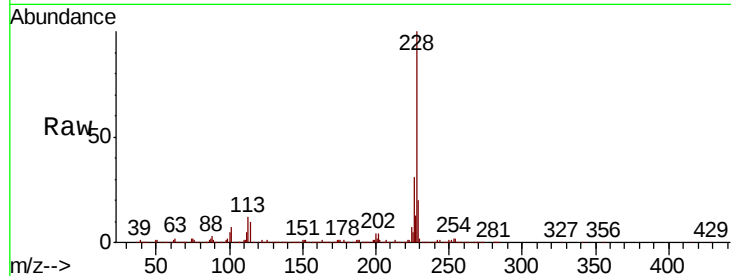
228 100

226 30.6 23.5 35.3

229 20.3 15.8 23.8

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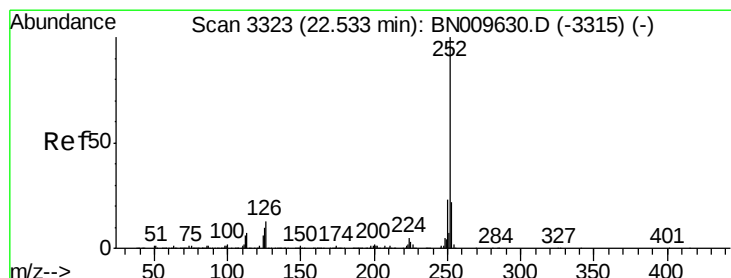
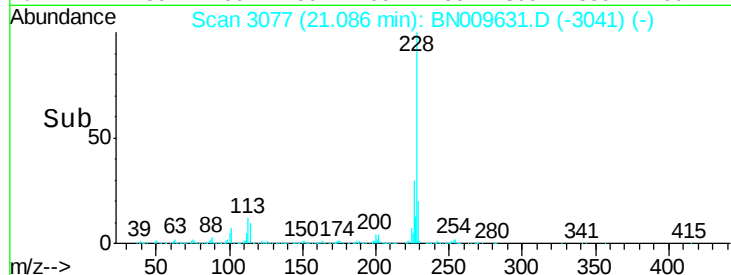
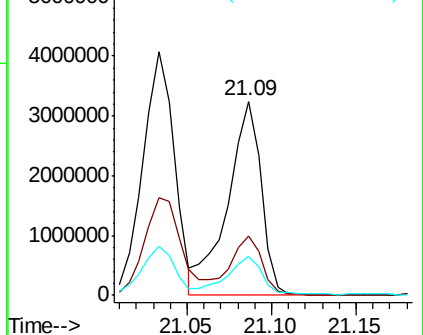
mohammad
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 69.881 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

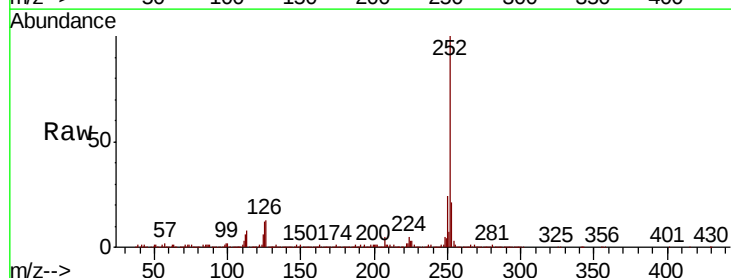
Tgt Ion:252 Resp: 3375588

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

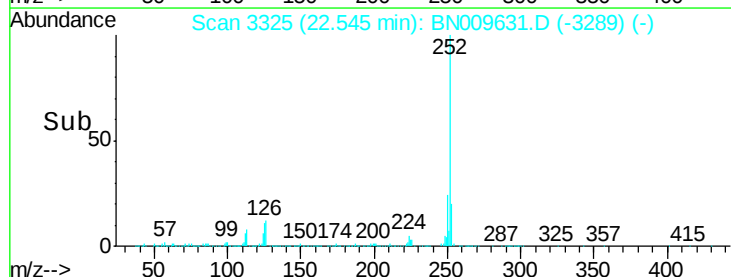
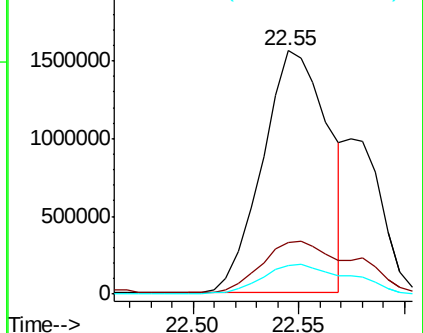
125 11.7 8.2 12.2

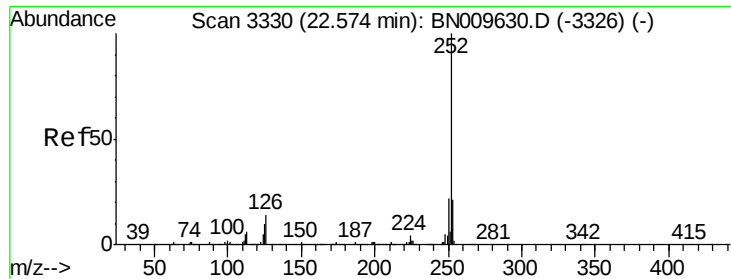


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





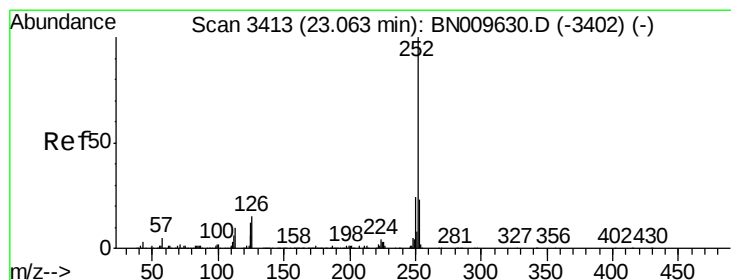
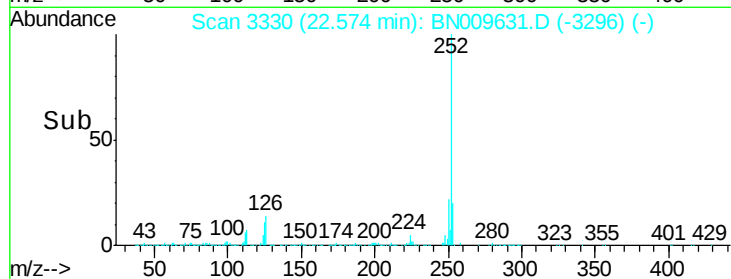
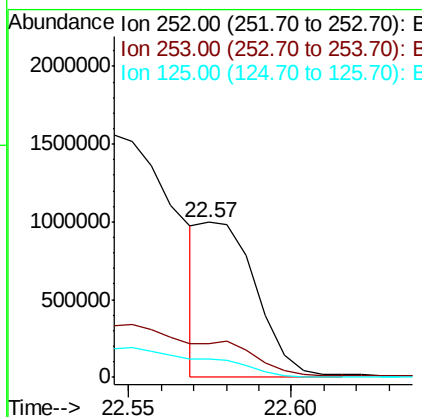
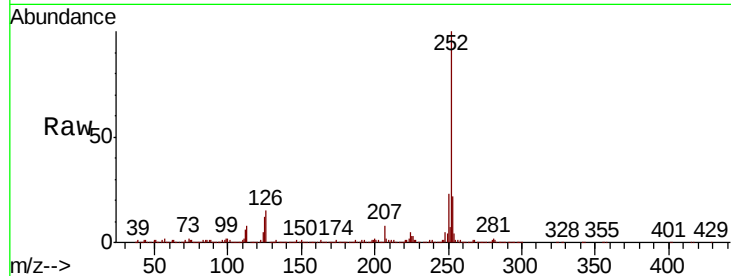
#88
Benzo(k)fluoranthene
Concen: 25.149 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Instrument :
BNA_N
ClientSampleId :
GAT60

Tot Ion:252 Resp: 1196385
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 11.6 8.0 12.0

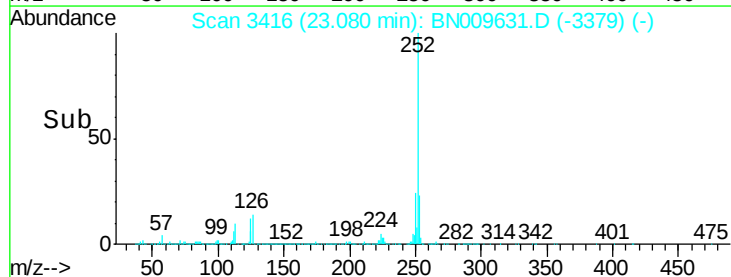
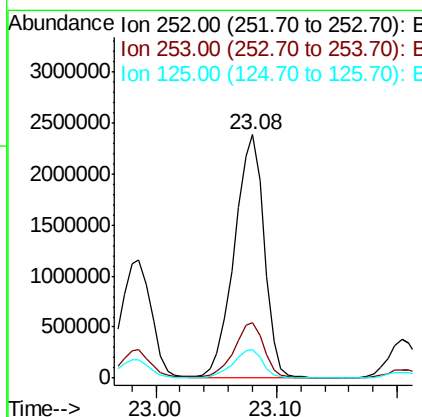
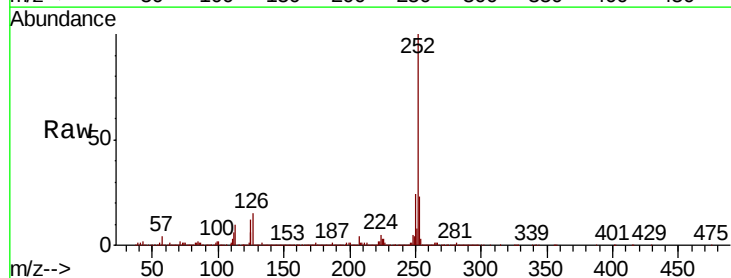
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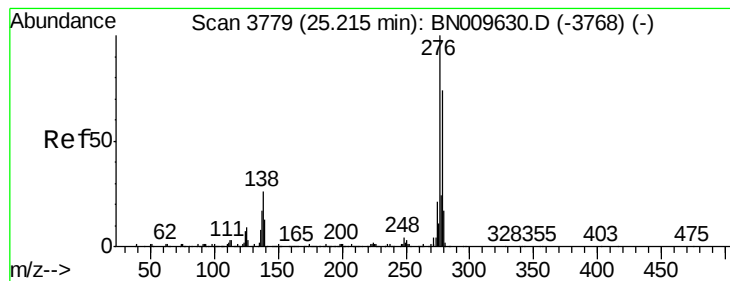
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#90
Benzo(a)pyrene
Concen: 91.258 ng/ul
RT: 23.08 min Scan# 3416
Delta R.T. 0.02 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Tgt Ion:252 Resp: 4084230
Ion Ratio Lower Upper
252 100
253 23.0 15.8 23.8
125 11.7 8.7 13.1





#91

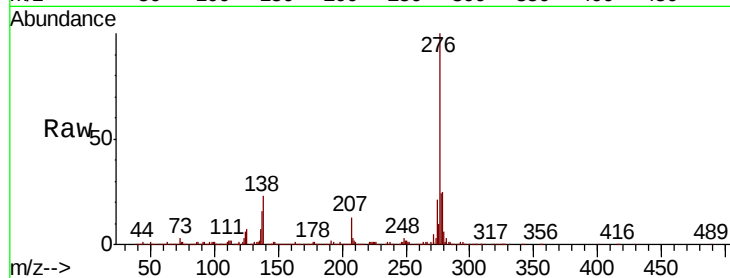
Indeno(1,2,3-cd)pyrene
Concen: 30.703 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. 0.01 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Instrument :
BNA_N
ClientSampleId :
GAT60

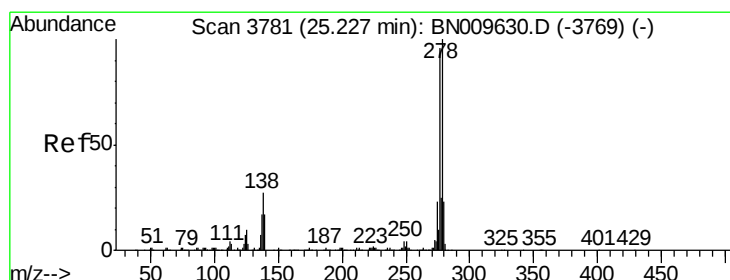
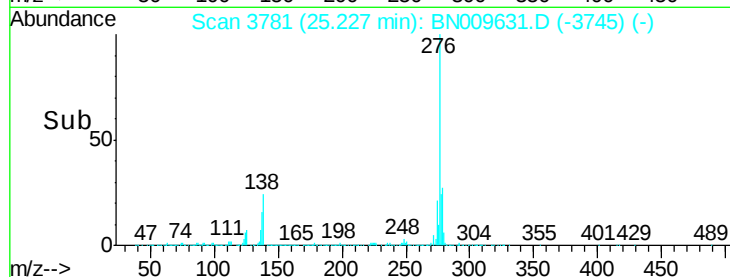
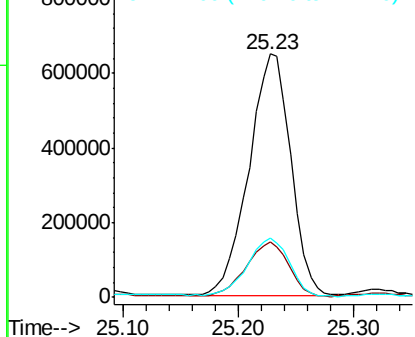
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.3	30.5
277	24.4	21.2	31.8

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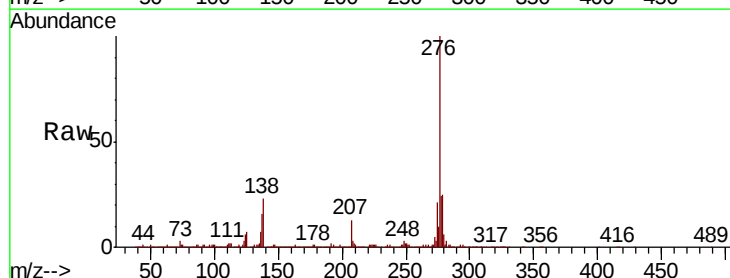
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



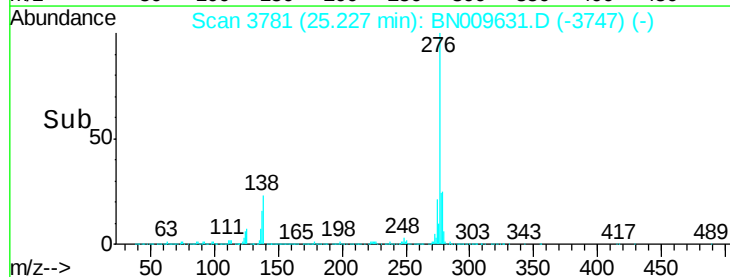
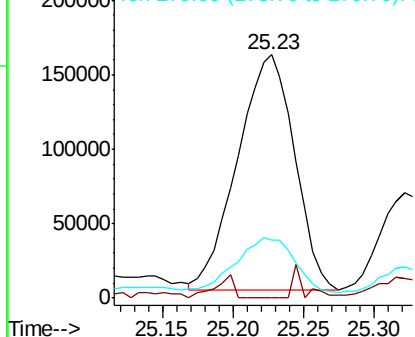
#92

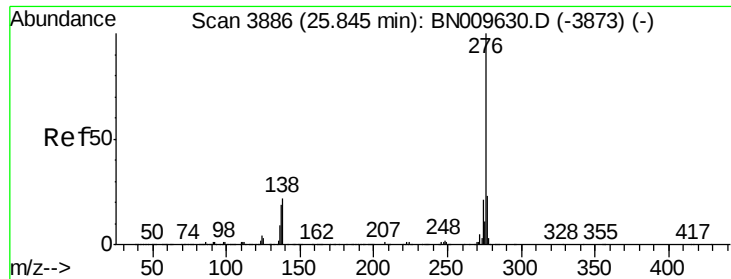
Dibenzo(a,h)anthracene
Concen: 9.932 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. 0.00 min
Lab File: BN009631.D
Acq: 07 Feb 2020 04:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	24.0	19.8	29.8



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(a,h,i)perylene

Concen: 36.097 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BN009631.D

Acq: 07 Feb 2020 04:47

Instrument :

BNA_N

ClientSampleId :

GAT60

Tot Ion: 276 Resp: 1609748

Ion Ratio Lower Upper

276 100

138 22.5 16.0 24.0

277 22.7 17.0 25.6

Manual Integrations

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