

Data File : BN009705.D
Acq On : 11 Feb 2020 14:24
Operator : CG/JU
Sample : L1324-05ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT62ME

Quant Time: Feb 12 00:55:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	142341	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	590036	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	371363	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	739117	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	705783	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	702884	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	12070	3.48	ng/uL	0.00
5) Phenol-d5	6.62	99	260246	20.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	183113	21.96	ng/ul	0.00
9) 2-Chlorophenol-d4	6.96	132	201763	22.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.13	113	217921	22.04	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	100954	23.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	114143	23.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	210248	22.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.32	131	262782	26.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	634084	23.39	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	783818	23.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.30	143	98164	19.17	ng/ul	0.00
57) Fluorene-d10	15.07	176	581179	24.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	84262	18.25	ng/ul	0.01
70) Anthracene-d10	16.93	188	867543	25.83	ng/ul	0.00
78) Pyrene-d10	19.23	212	935601	25.22	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	934474	27.00	ng/ul	0.00

Target Compounds

					Qvalue	
14) Acetophenone	8.24	105	32873	2.078	ng/ul	93
30) 4-Chloroaniline	10.25	127	3864426	379.399	ng/ul#	10
34) 2-Methylnaphthalene	11.86	142	9170598	409.548	ng/ul	98
40) 1,1'-Biphenyl	12.89	154	1820831	62.974	ng/ul	98
44) Dimethylphthalate	13.54	163	68114	2.368	ng/ul	99
47) Acenaphthylene	13.79	152	7907911	220.604	ng/ul	99
49) Acenaphthene	14.13	153	466968	19.162	ng/ul	100
53) Dibenzofuran	14.47	168	642350	18.929	ng/ul	96
54) 2,4-Dinitrotoluene	14.47	165	9681	1.175	ng/ul#	1
58) Fluorene	15.13	166	3387671	119.452	ng/ul	97
64) N-Nitrosodiphenylamine	15.35	169	32156	1.456	ng/ul#	86
69) Phenanthrene	16.96	178	2351098	55.778	ng/ul	99
71) Anthracene	16.96	178	2364100	55.276	ng/ul	99
74) Carbazole	17.23	167	62628	1.682	ng/ul#	89
76) Fluoranthene	18.90	202	7618345	158.360	ng/ul	98
79) Pyrene	19.27	202	10197916	197.933	ng/ul	96
82) Benzo(a)anthracene	21.08	228	3130135	64.234	ng/ul	93
84) Chrysene	21.08	228	3131152	64.543	ng/ul	98
87) Benzo(b)fluoranthene	22.70	252	652950	14.848	ng/ul	98
88) Benzo(k)fluoranthene	22.70	252	731261	16.885	ng/ul	98
90) Benzo(a)pyrene	23.07	252	2035828	49.966	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.22	276	1162943	24.007	ng/ul	94
92) Dibenzo(a,h)anthracene	25.22	278	367702	9.018	ng/ul#	82

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

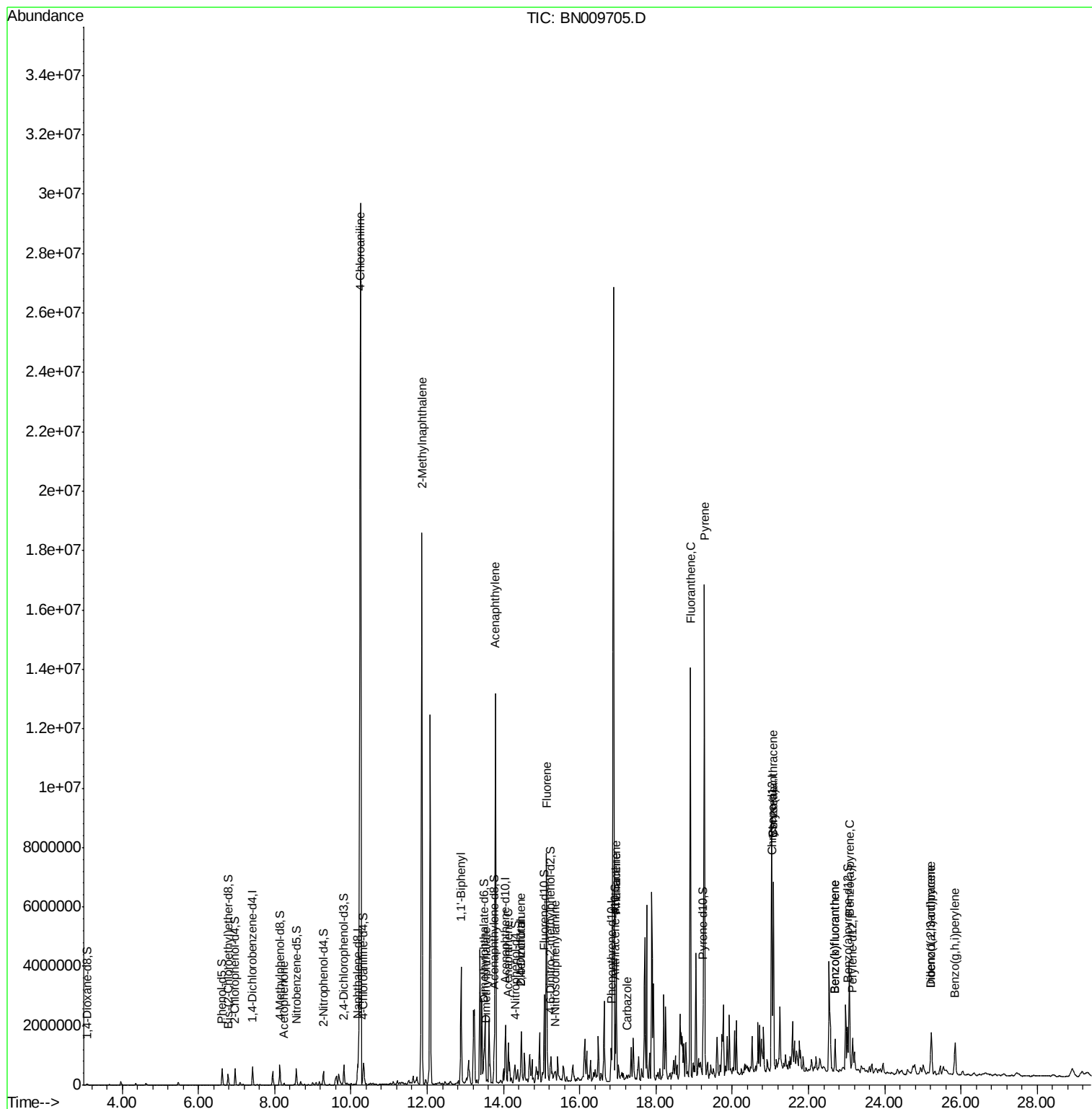
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	25.85	276	1116675	27.505	ng/ul	97

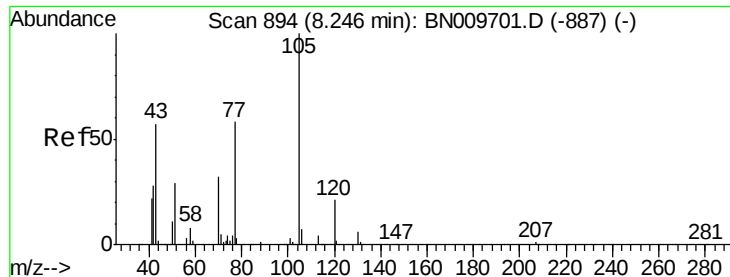
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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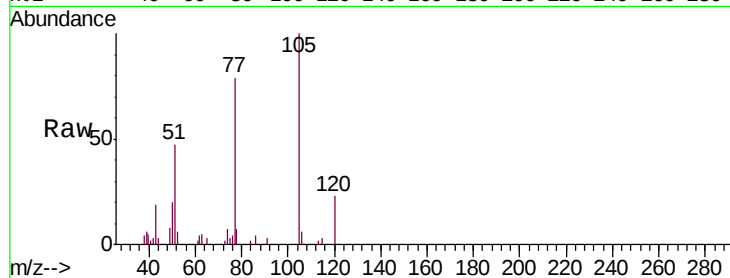




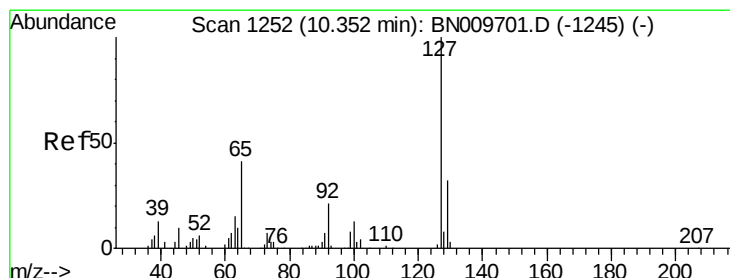
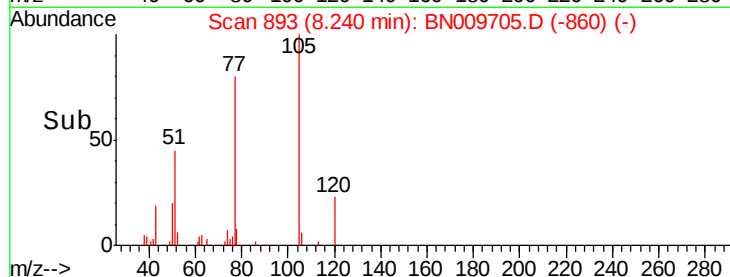
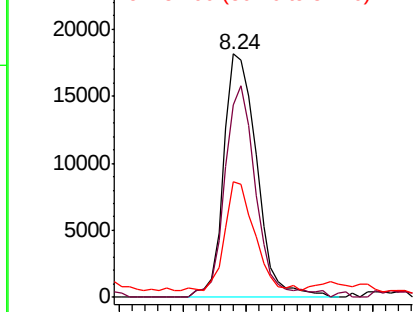
#14
 Acetophenone
 Concen: 2.078 ng/ul
 RT: 8.24 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

Instrument :
 BNA_N
 ClientSampleId :
 GAT62ME

Tgt Ion:105 Resp: 32873
 Ion Ratio Lower Upper
 105 100
 77 78.8 67.7 101.5
 51 47.2 34.3 51.5

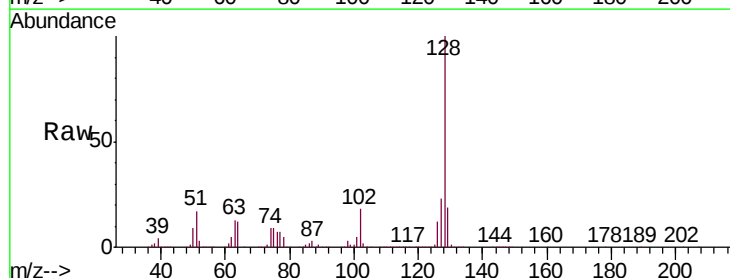


Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BNC
 Ion 51.00 (50.70 to 51.70): BNC

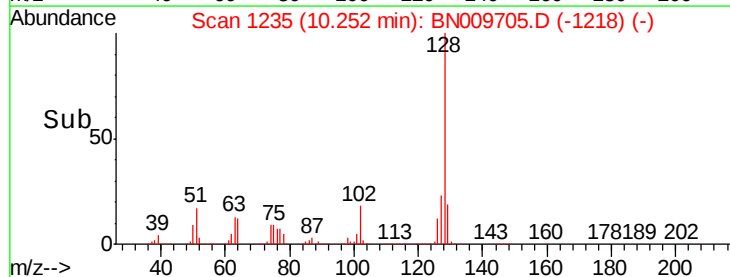
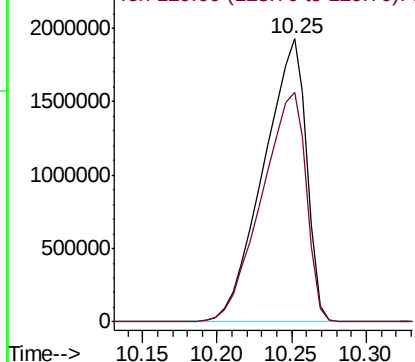


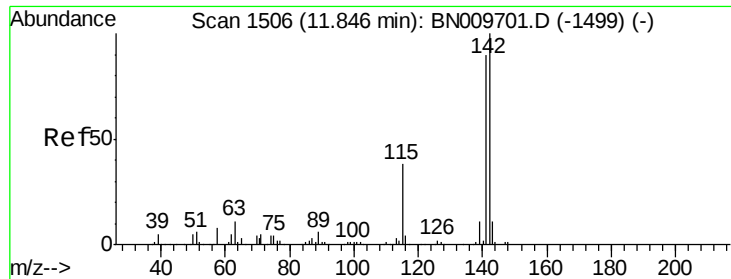
#30
 4-Chloroaniline
 Concen: 379.399 ng/ul
 RT: 10.25 min Scan# 1235
 Delta R.T. -0.10 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

Tgt Ion:127 Resp: 3864426
 Ion Ratio Lower Upper
 127 100
 129 81.1 25.2 37.8#



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

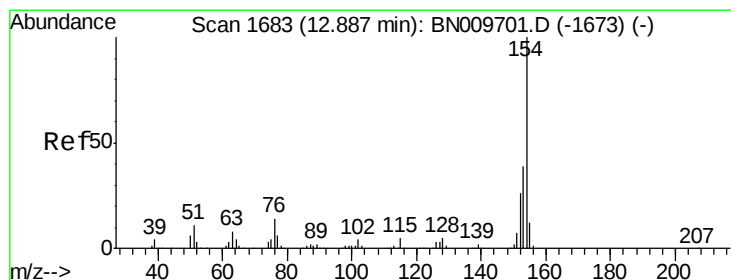
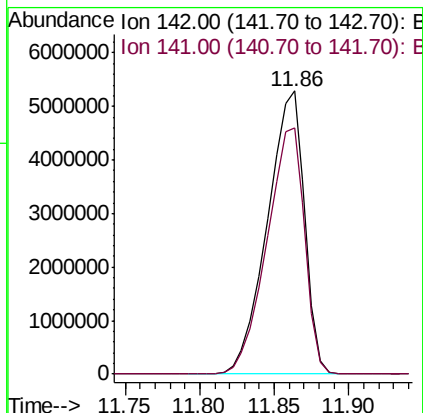
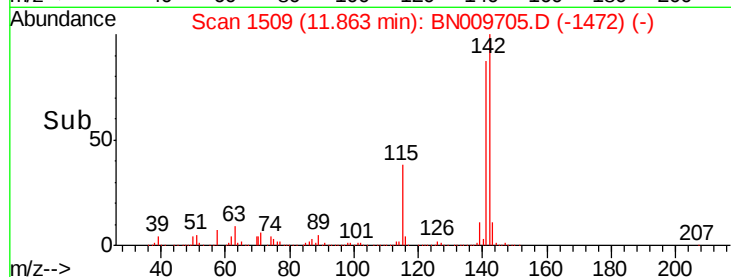
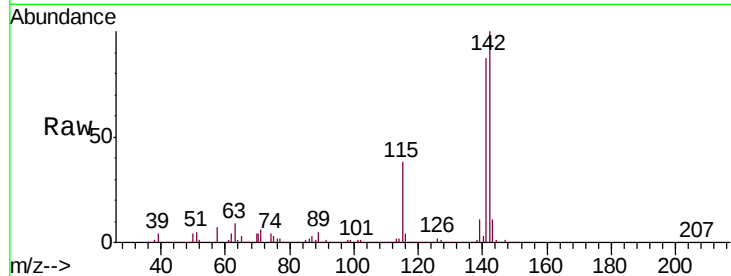




#34
 2-Methylnaphthalene
 Concen: 409.548 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.02 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

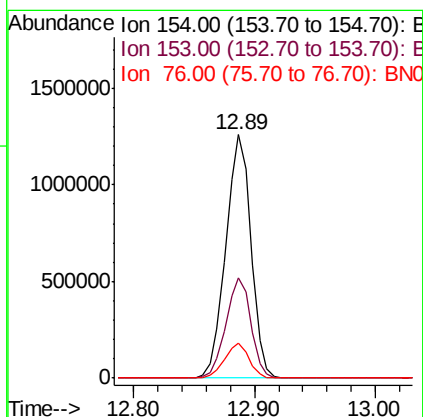
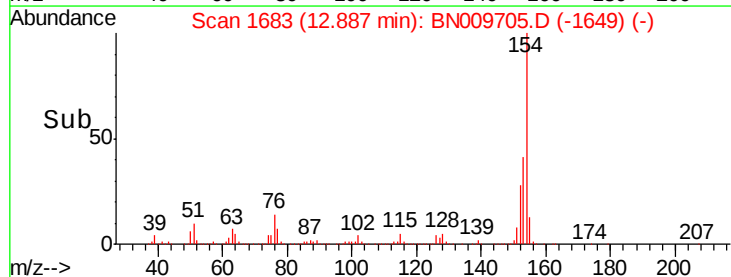
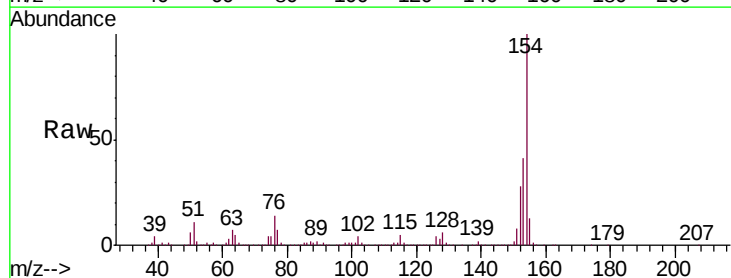
Instrument :
 BNA_N
 ClientSampleId :
 GAT62ME

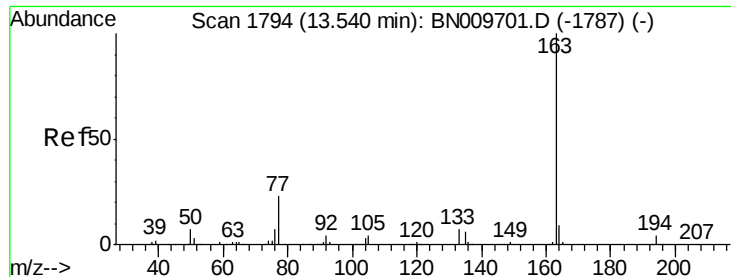
Tgt Ion:142 Resp: 9170598
 Ion Ratio Lower Upper
 142 100
 141 87.2 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 62.974 ng/ul
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

Tgt Ion:154 Resp: 1820831
 Ion Ratio Lower Upper
 154 100
 153 40.9 31.2 46.8
 76 14.4 11.4 17.2





#44

Dimethylphthalate

Concen: 2.368 ng/ul

RT: 13.54 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

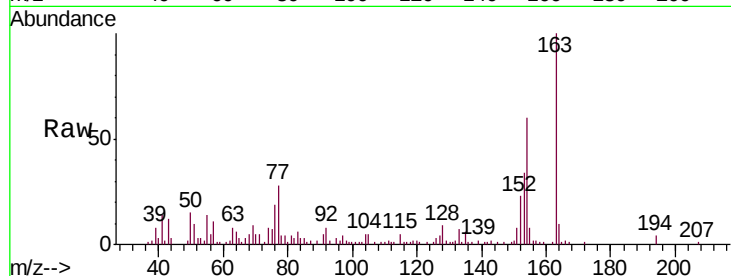
Tgt Ion:163 Resp: 68114

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

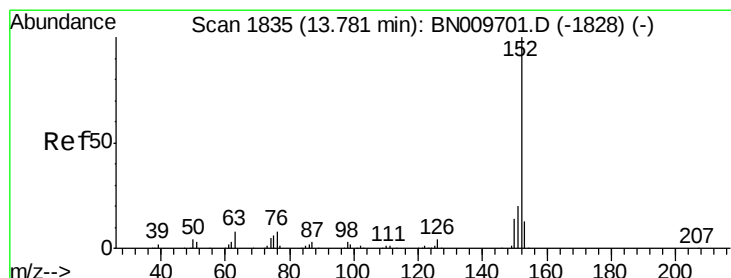
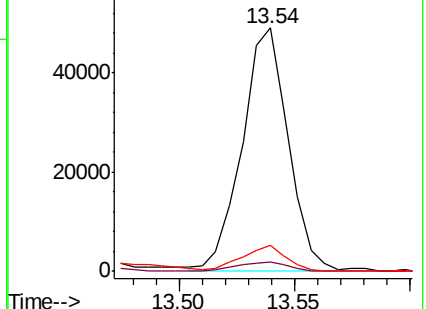
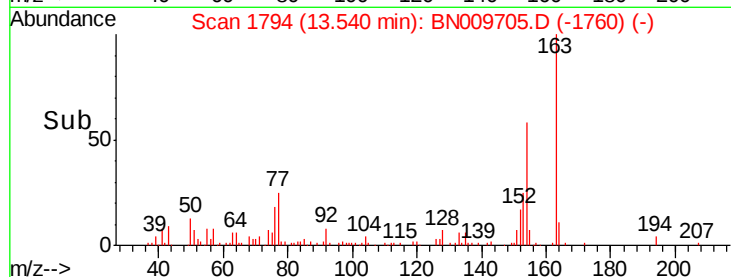
164 10.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 220.604 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. 0.01 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

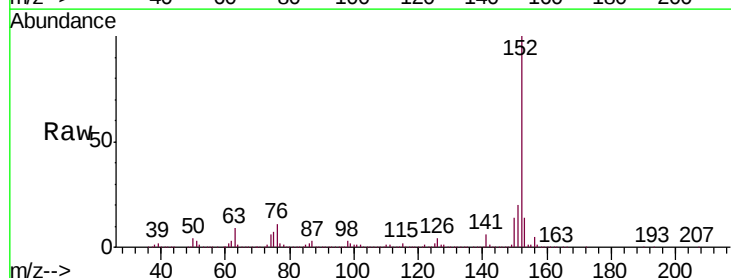
Tgt Ion:152 Resp: 7907911

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

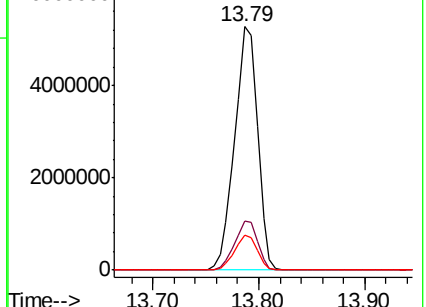
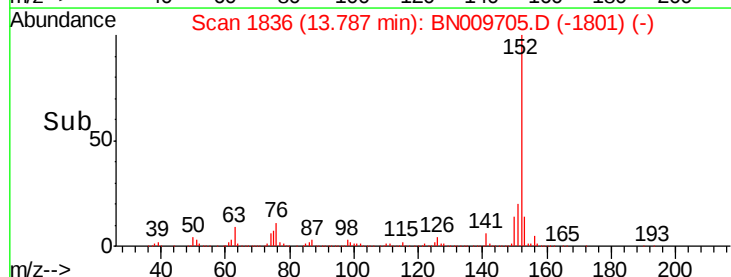
153 14.1 10.6 15.8

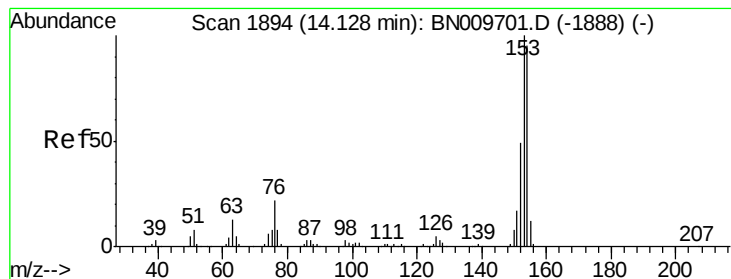


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 19.162 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BN009705.D

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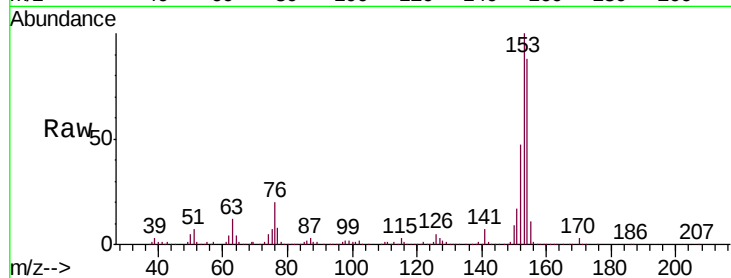
Tgt Ion:153 Resp: 466968

Ion Ratio Lower Upper

153 100

152 47.4 37.3 55.9

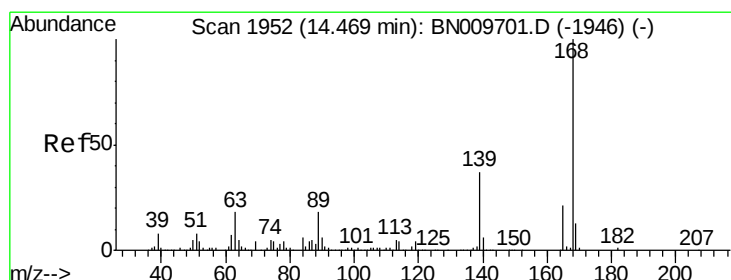
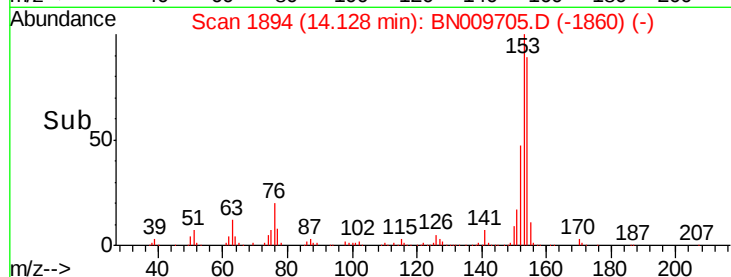
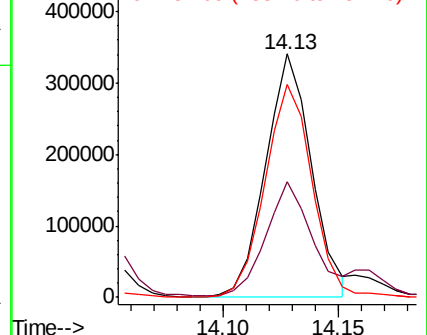
154 87.7 70.2 105.2



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

Dibenzofuran

Concen: 18.929 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN009705.D

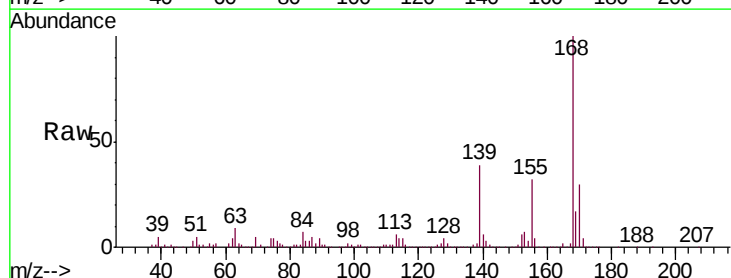
Acq: 11 Feb 2020 14:24

Tgt Ion:168 Resp: 642350

Ion Ratio Lower Upper

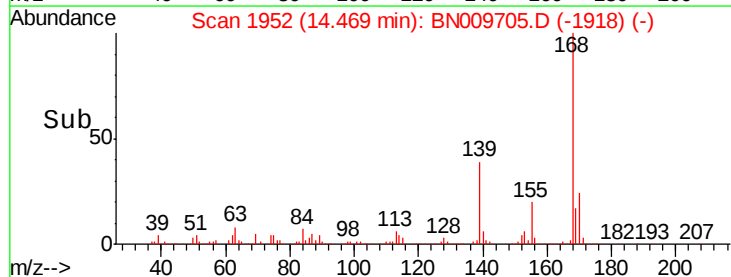
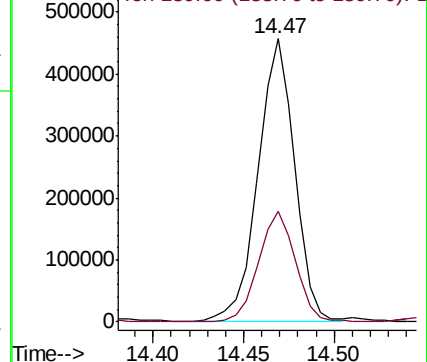
168 100

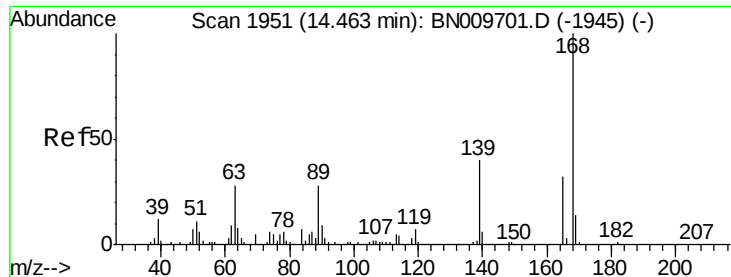
139 39.1 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

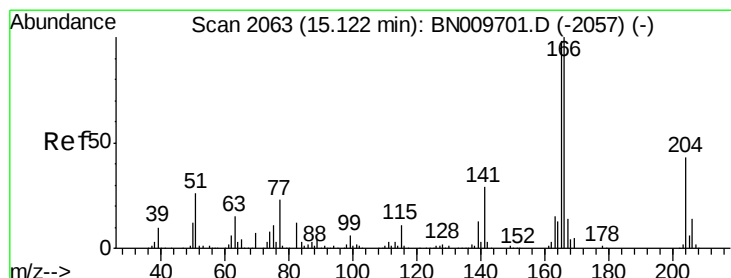
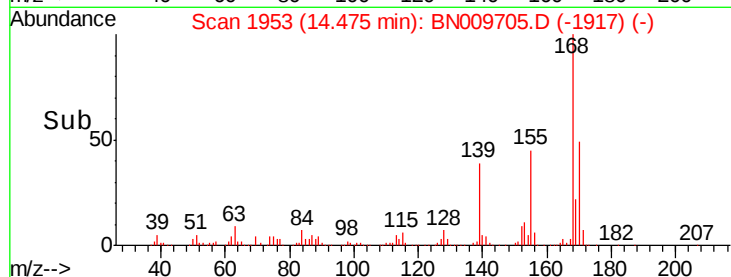
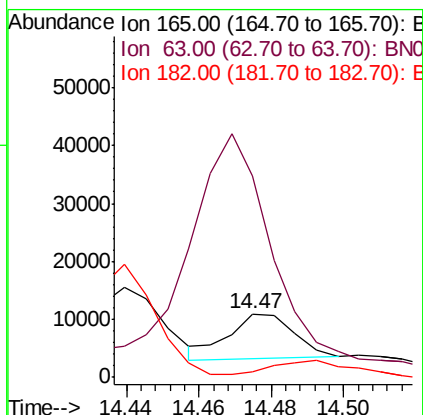
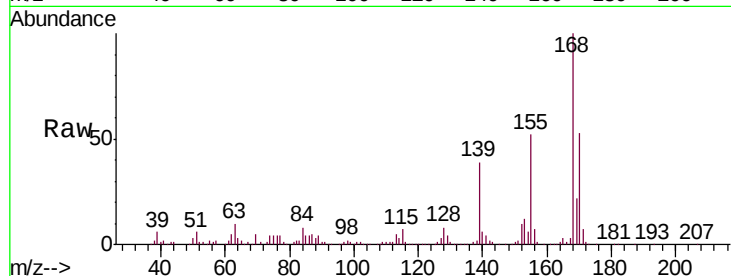




#54
 2,4-Dinitrotoluene
 Concen: 1.175 ng/ul
 RT: 14.47 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

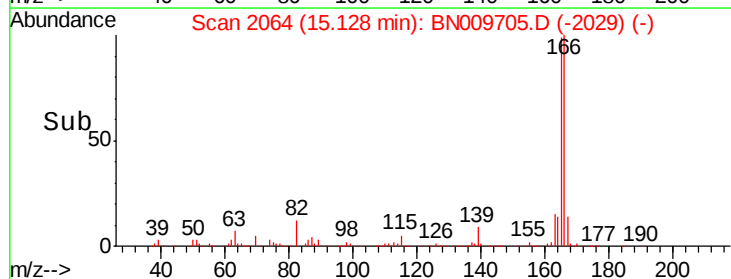
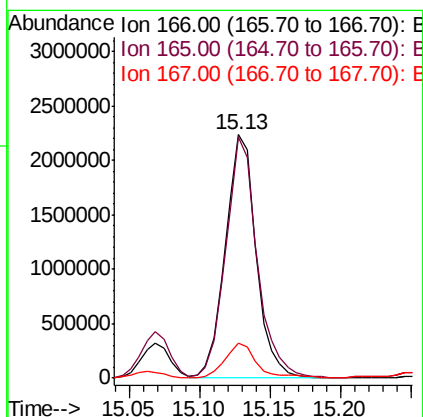
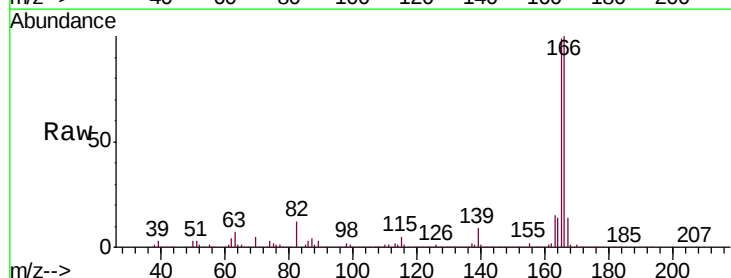
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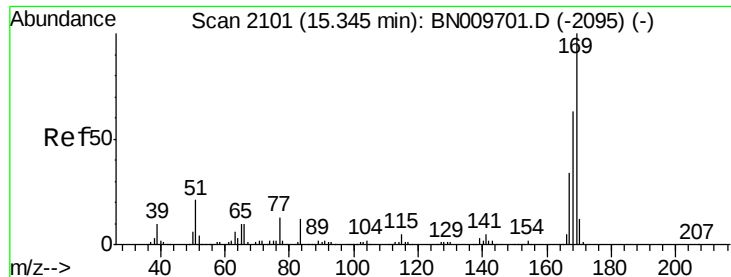
Tgt Ion:165 Resp: 9681
 Ion Ratio Lower Upper
 165 100
 63 319.6 55.0 82.4#
 182 8.4 2.4 3.6#



#58
 Fluorene
 Concen: 119.452 ng/ul
 RT: 15.13 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

Tgt Ion:166 Resp: 3387671
 Ion Ratio Lower Upper
 166 100
 165 99.3 76.7 115.1
 167 14.2 11.1 16.7





#64

N-Nitrosodiphenylamine

Concen: 1.456 ng/ul

RT: 15.35 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

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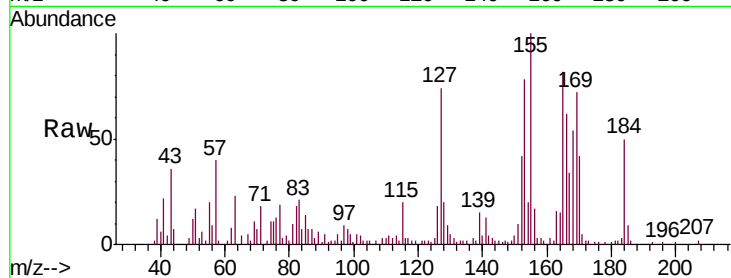
Tgt Ion:169 Resp: 32156

Ion Ratio Lower Upper

169 100

168 74.9 53.8 80.8

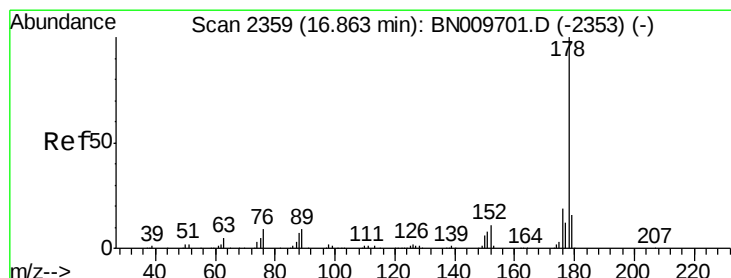
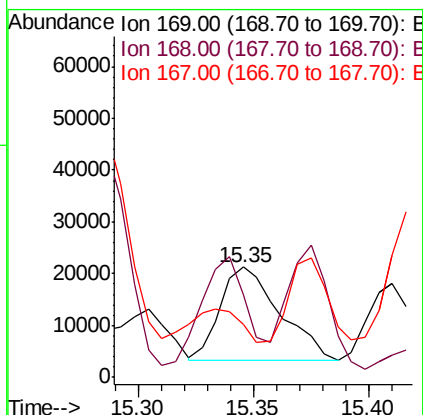
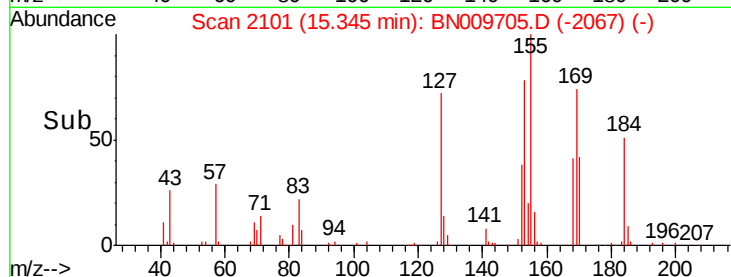
167 47.9 27.5 41.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 55.778 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. 0.10 min

Lab File: BN009705.D

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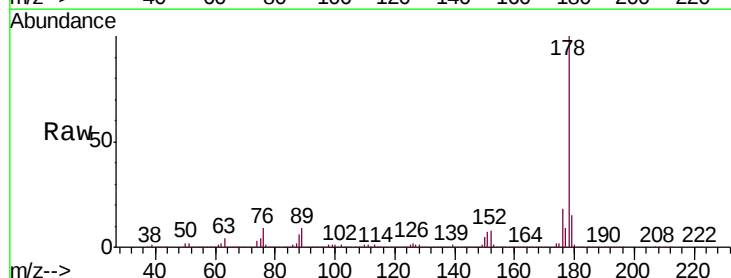
Tgt Ion:178 Resp: 2351098

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

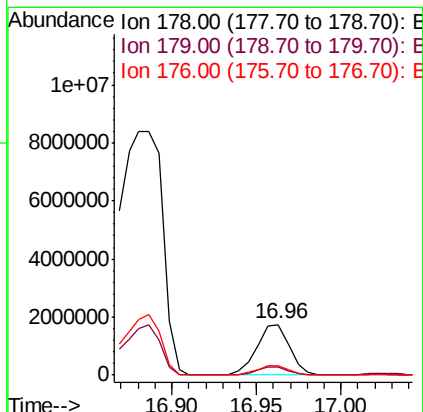
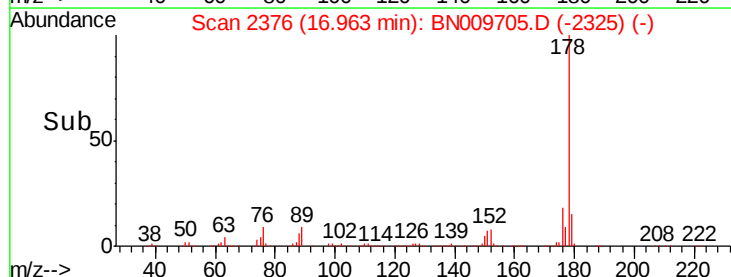
176 17.7 14.8 22.2

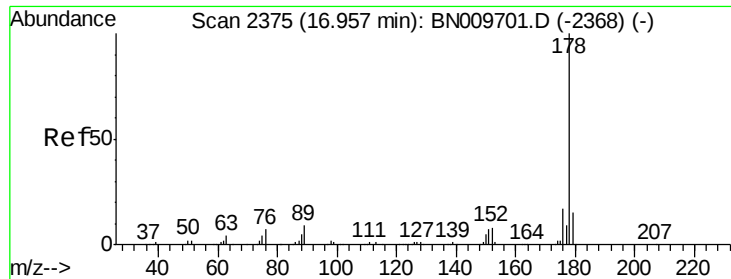


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

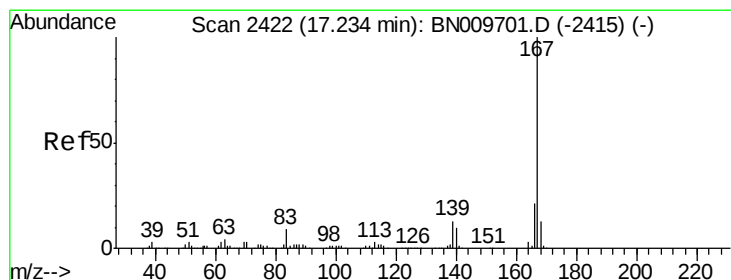
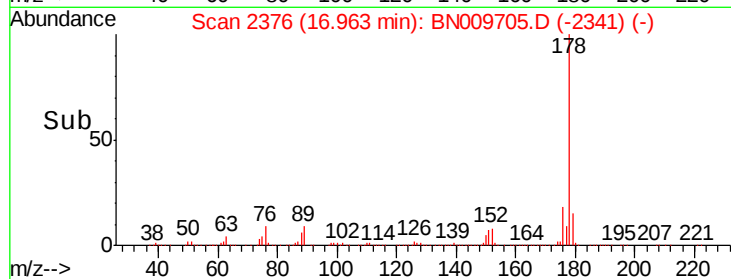
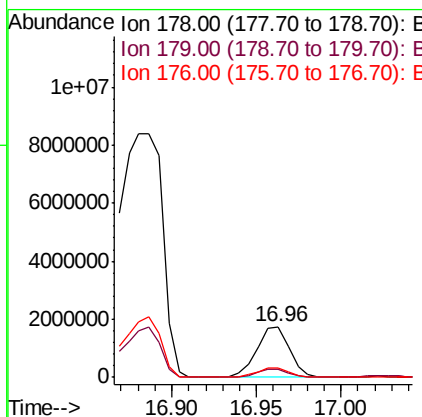
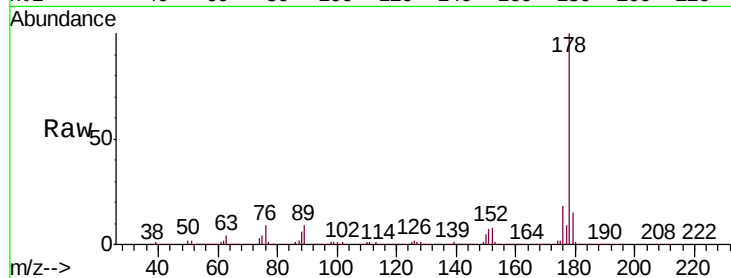




#71
 Anthracene
 Concen: 55.276 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. 0.01 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

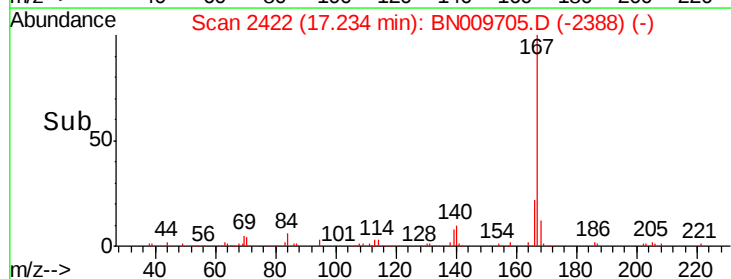
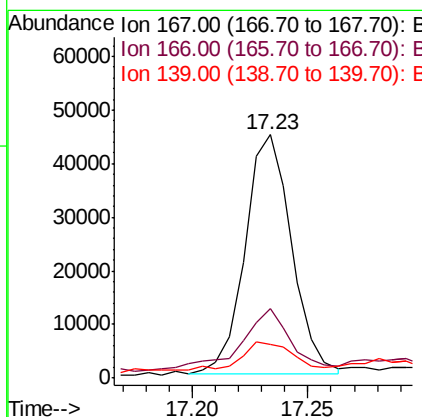
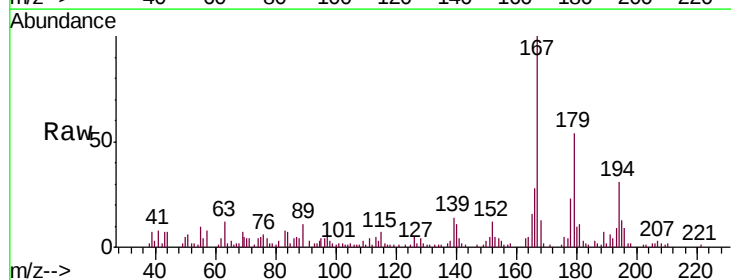
Instrument :
 BNA_N
 ClientSampled :
 GAT62ME

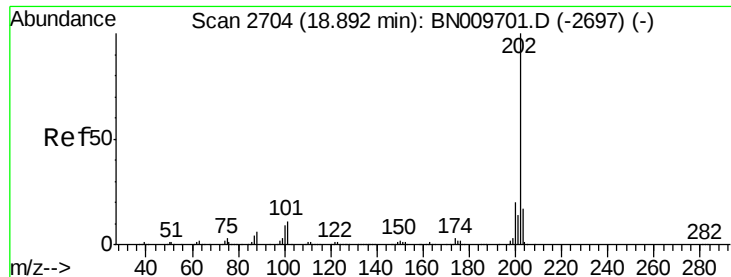
Tgt Ion:178 Resp: 2364100
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.1 18.1
 176 17.7 14.6 21.8



#74
 Carbazole
 Concen: 1.682 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BN009705.D
 Acq: 11 Feb 2020 14:24

Tgt Ion:167 Resp: 62628
 Ion Ratio Lower Upper
 167 100
 166 28.4 16.2 24.4#
 139 13.7 10.4 15.6





#76

Fluoranthene

Concen: 158.360 ng/ul

RT: 18.90 min Scan# 2706

Delta R.T. 0.01 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

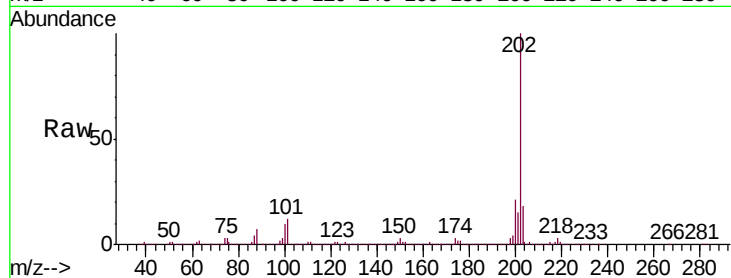
Tgt Ion:202 Resp: 7618345

Ion Ratio Lower Upper

202 100

101 12.4 9.2 13.8

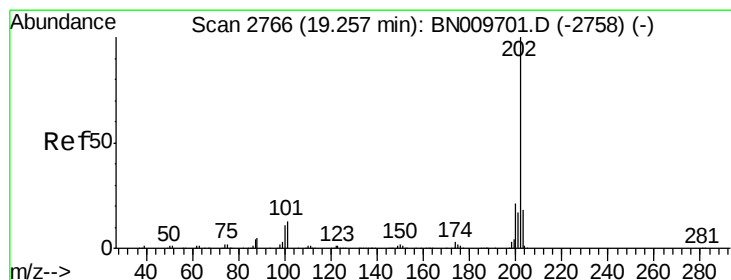
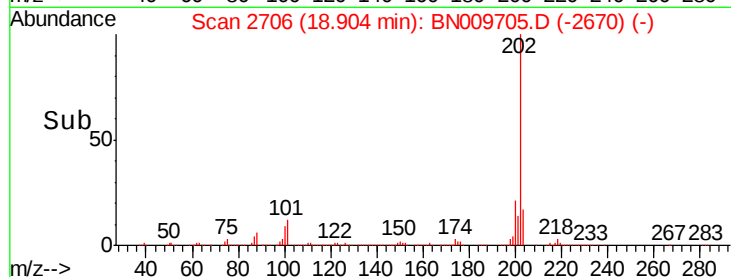
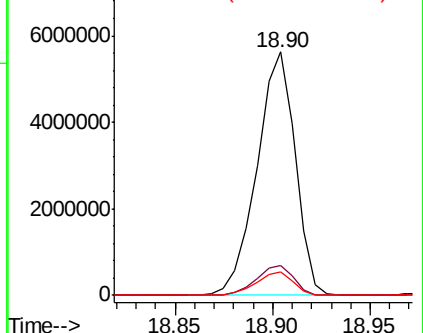
100 9.5 6.9 10.3



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: 197.933 ng/ul

RT: 19.27 min Scan# 2769

Delta R.T. 0.02 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

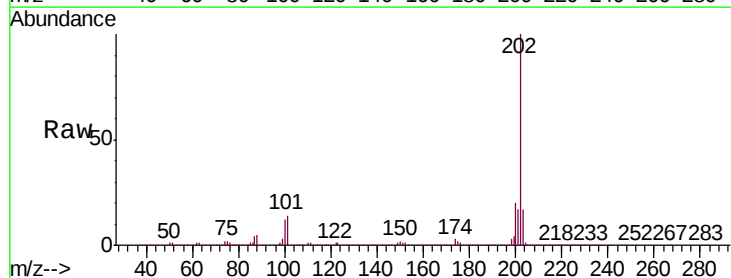
Tgt Ion:202 Resp:10197916

Ion Ratio Lower Upper

202 100

101 14.3 10.3 15.5

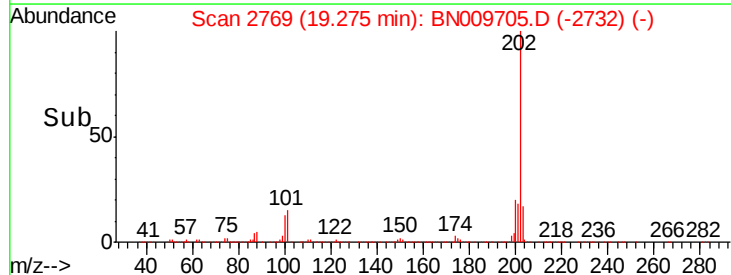
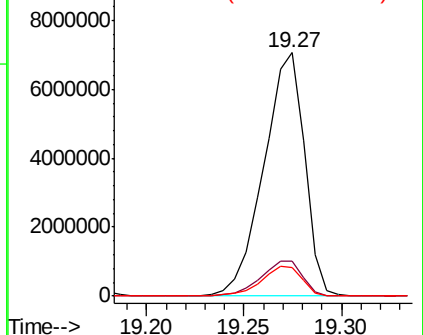
100 11.8 8.4 12.6

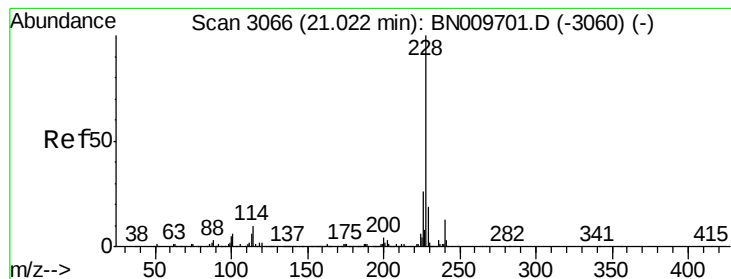


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 64.234 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.06 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

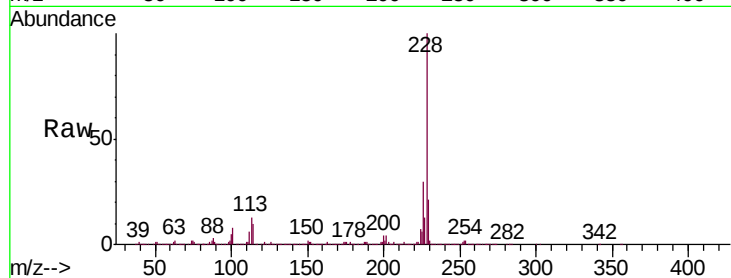
Tgt Ion:228 Resp: 3130135

Ion Ratio Lower Upper

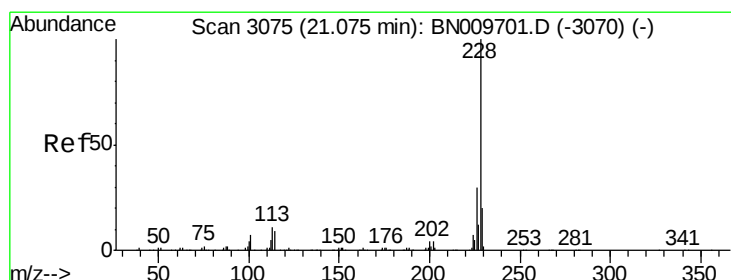
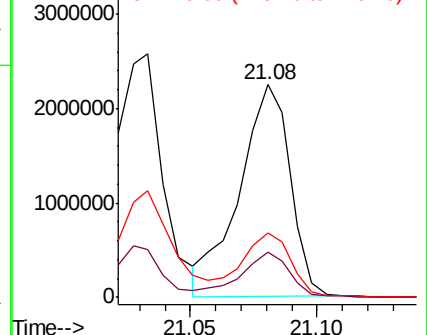
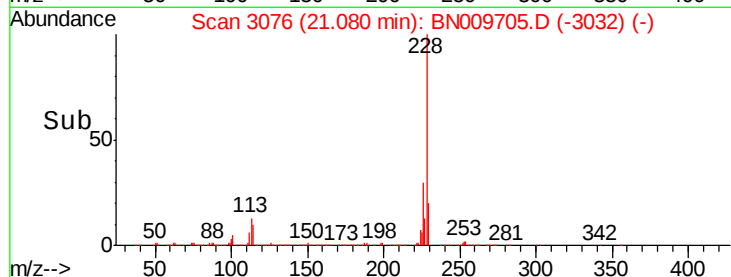
228 100

229 21.0 15.0 22.4

226 30.5 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: 64.543 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.01 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

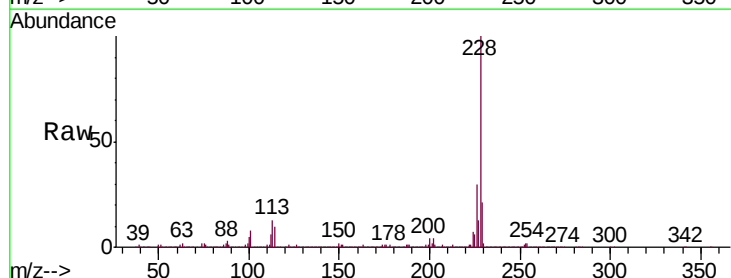
Tgt Ion:228 Resp: 3131152

Ion Ratio Lower Upper

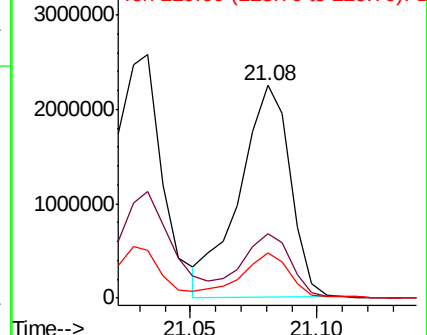
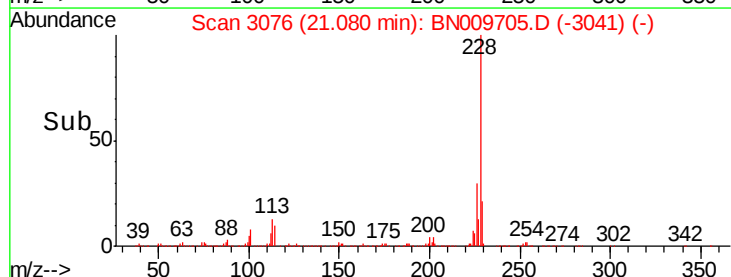
228 100

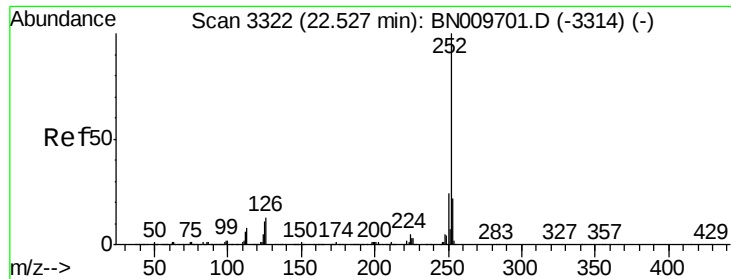
226 30.5 23.5 35.3

229 21.0 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: 14.848 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.17 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

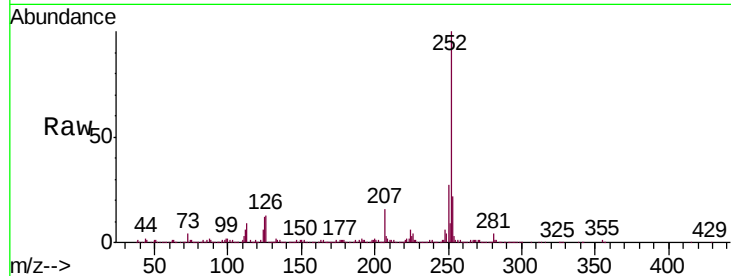
Tgt Ion:252 Resp: 652950

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

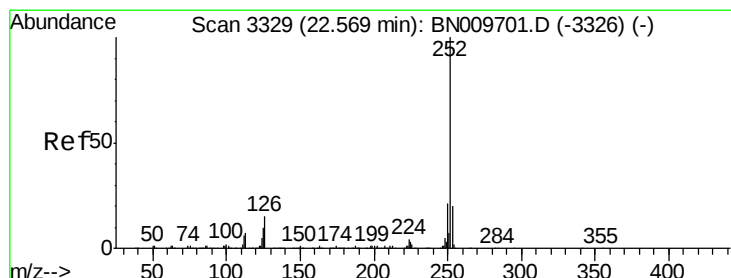
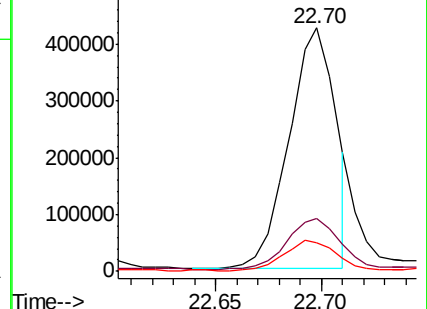
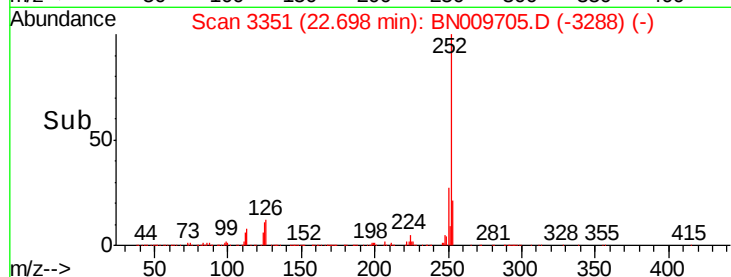
125 11.5 8.2 12.2



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: 16.885 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.13 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

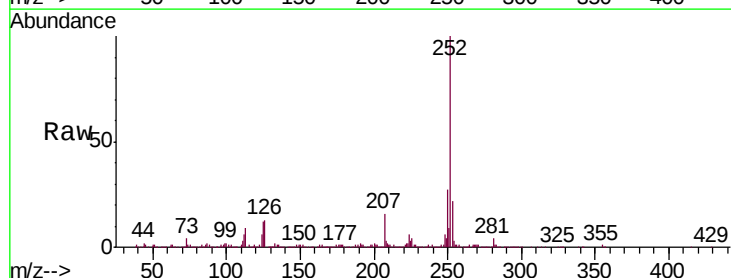
Tgt Ion:252 Resp: 731261

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

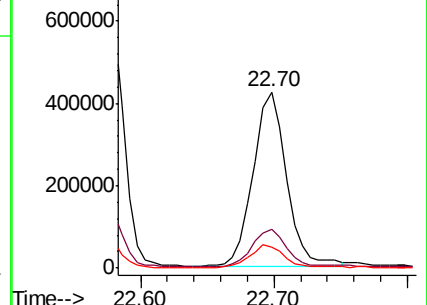
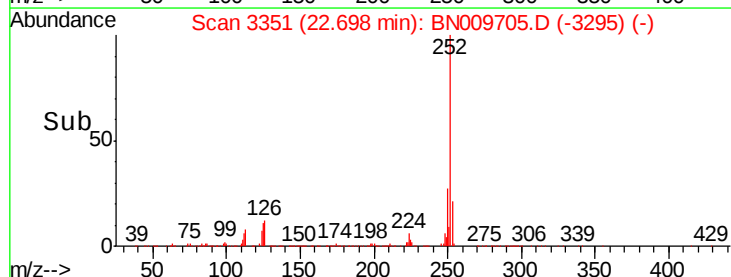
125 11.5 8.0 12.0

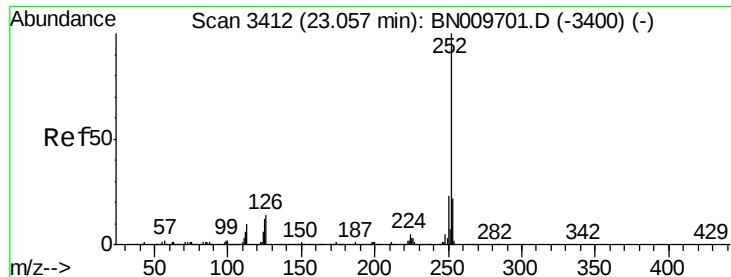


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 49.966 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.02 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

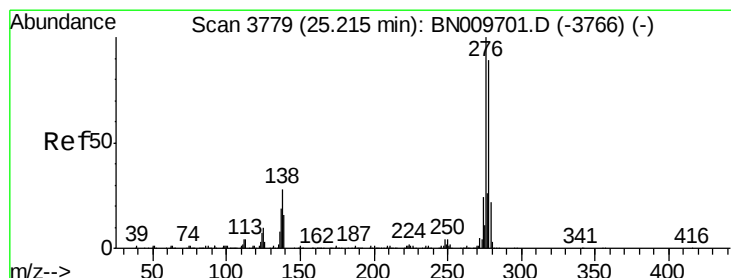
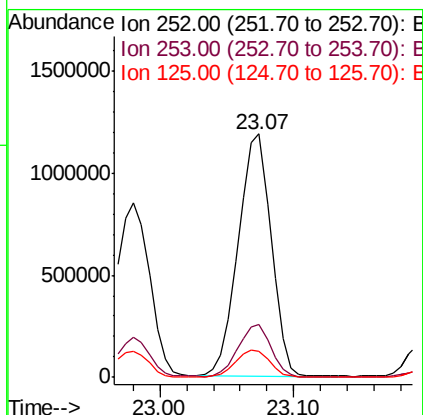
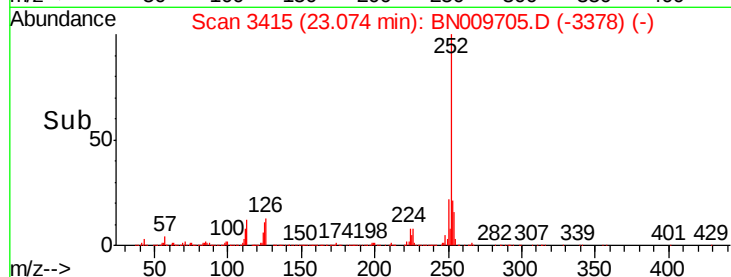
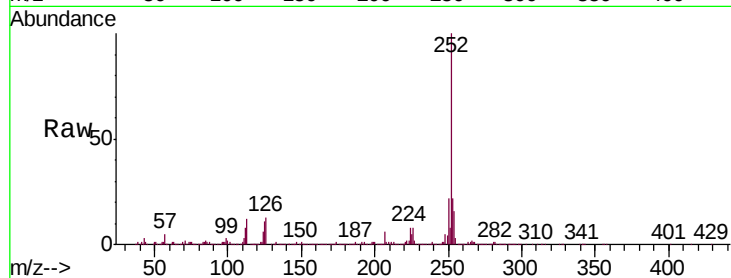
Tgt Ion:252 Resp: 2035828

Ion Ratio Lower Upper

252 100

253 21.7 15.8 23.8

125 10.8 8.7 13.1



#91

Indeno(1,2,3-cd)pyrene

Concen: 24.007 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. 0.01 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

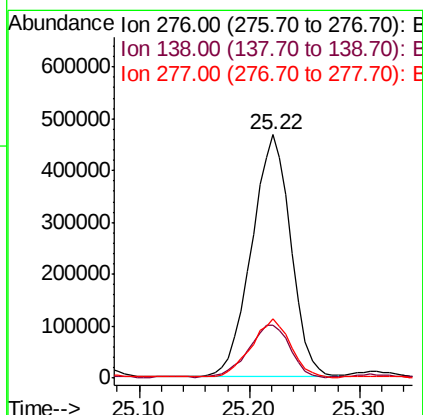
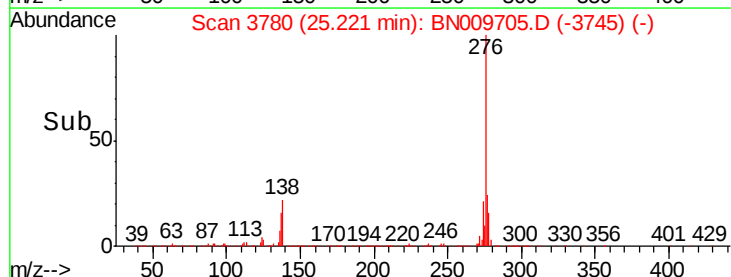
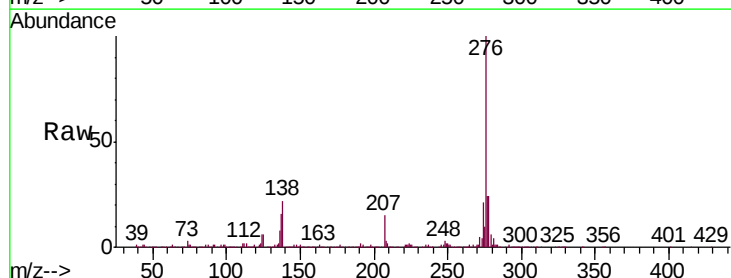
Tgt Ion:276 Resp: 1162943

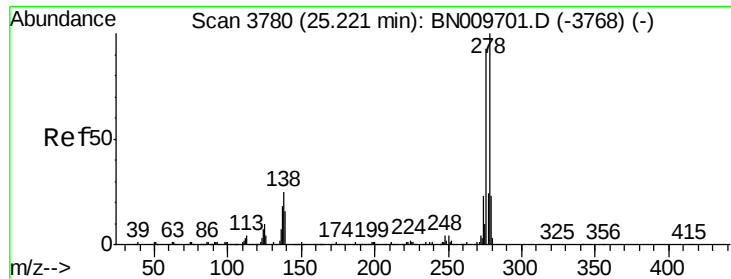
Ion Ratio Lower Upper

276 100

138 21.6 20.3 30.5

277 24.3 21.2 31.8





#92

Dibenzo(a,h)anthracene

Concen: 9.018 ng/ul

RT: 25.22 min Scan# 3779

Delta R.T. -0.01 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT62ME

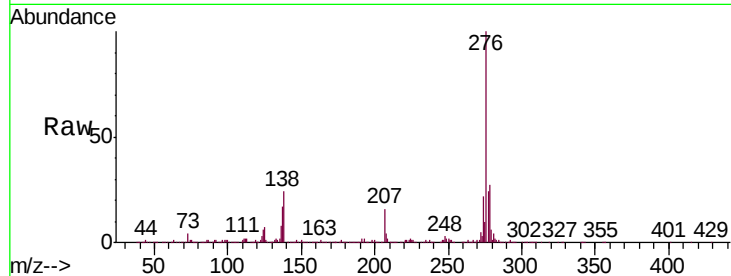
Tgt Ion:278 Resp: 367702

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

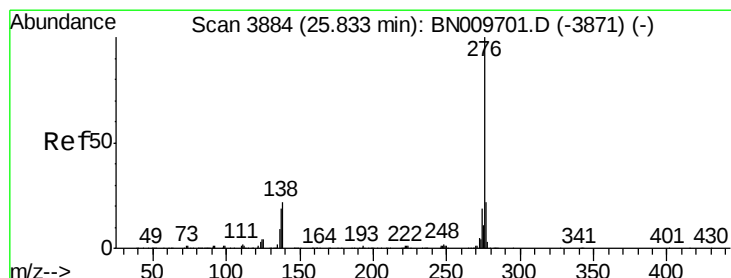
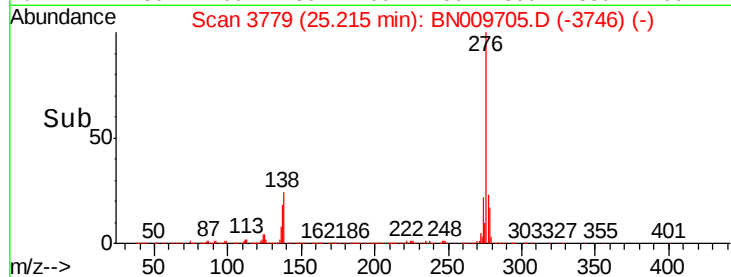
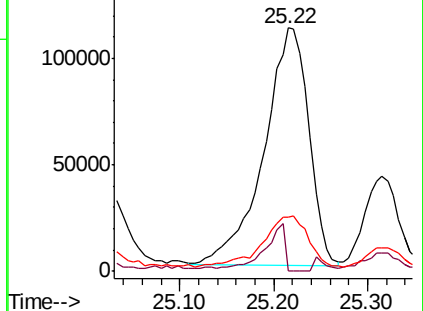
279 22.4 19.8 29.8



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(g,h,i)perylene

Concen: 27.505 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. 0.02 min

Lab File: BN009705.D

Acq: 11 Feb 2020 14:24

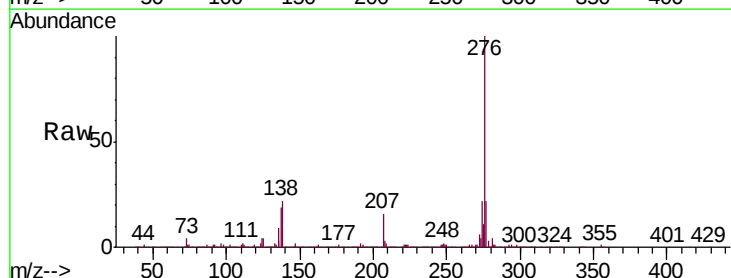
Tgt Ion:276 Resp: 1116675

Ion Ratio Lower Upper

276 100

138 22.3 16.0 24.0

277 21.8 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

