

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009654.D
 Acq On : 07 Feb 2020 19:50
 Operator : CG/JU
 Sample : L1324-12DL2 25X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 07 23:20:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 15:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	186367	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	771613	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	471231	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	993477	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	926384	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	937530	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	6126	0.38	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	5469	0.50	ng/ul	0.02
9) 2-Chlorophenol-d4	6.98	132	5026	0.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	4076	0.31	ng/ul	0.01
19) Nitrobenzene-d5	8.59	128	2789	0.49	ng/ul	0.02
22) 2-Nitrophenol-d4	9.29	143	1945	0.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	3643	0.30	ng/ul	0.02
29) 4-Chloroaniline-d4	10.35	131	1108	0.09	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	17621	0.51	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	19769	0.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.29	143	1151	0.18	ng/ul	-0.02
57) Fluorene-d10	15.07	176	16625	0.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	1550	0.25	ng/ul	0.03
70) Anthracene-d10	16.93	188	28225	0.63	ng/ul	0.00
78) Pyrene-d10	19.23	212	26386	0.54	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	25048	0.54	ng/ul	0.00

Target Compounds

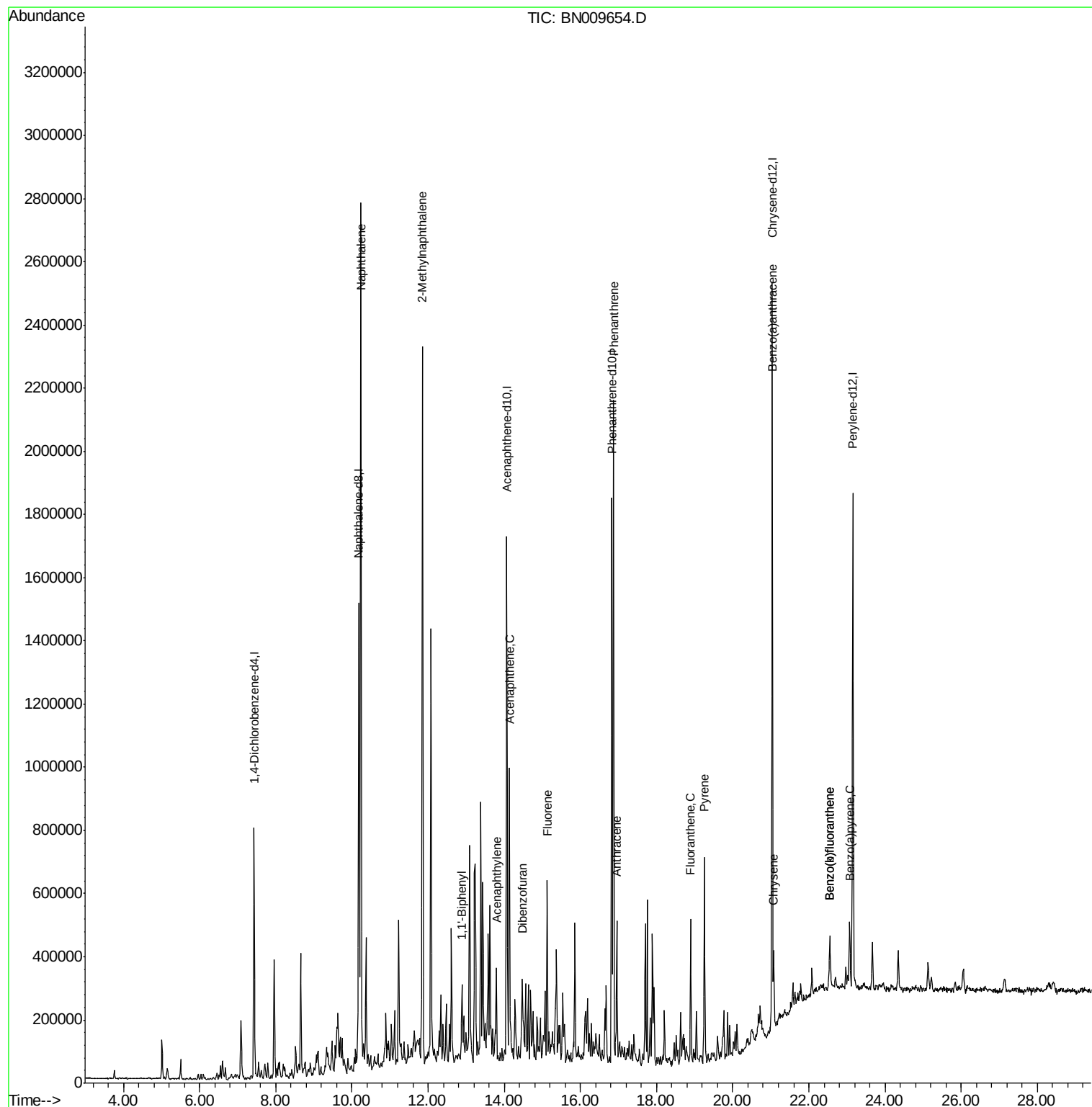
					Ovalue	
28) Naphthalene	10.23	128	1910316	45.653	ng/ul	99
34) 2-Methylnaphthalene	11.85	142	967071	33.025	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	102716	2.800	ng/ul	99
47) Acenaphthylene	13.79	152	73460	1.615	ng/ul#	91
49) Acenaphthene	14.13	153	331972	10.736	ng/ul	98
53) Dibenzofuran	14.47	168	46094	1.070	ng/ul	92
58) Fluorene	15.13	166	225302	6.261	ng/ul	97
69) Phenanthrene	16.87	178	1146836	20.242	ng/ul	99
71) Anthracene	16.96	178	242481	4.218	ng/ul	99
76) Fluoranthene	18.89	202	244593	3.783	ng/ul	98
79) Pyrene	19.26	202	368898	5.455	ng/ul	98
82) Benzo(a)anthracene	21.03	228	133814	2.092	ng/ul#	89
84) Chrysene	21.07	228	111118	1.745	ng/ul	96
87) Benzo(b)fluoranthene	22.54	252	59552	1.015	ng/ul#	93
88) Benzo(k)fluoranthene	22.54	252	59552	1.031	ng/ul#	93
90) Benzo(a)pyrene	23.06	252	74435	1.370	ng/ul#	93

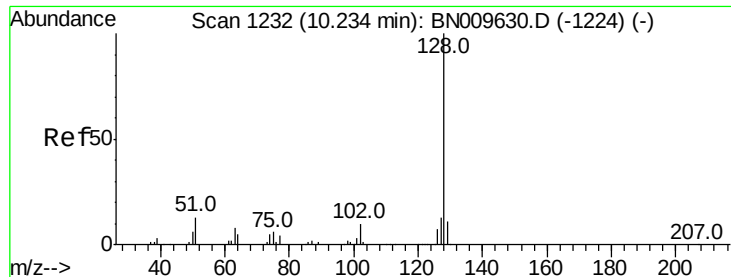
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

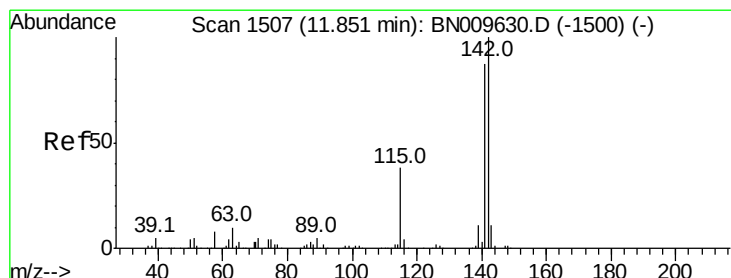
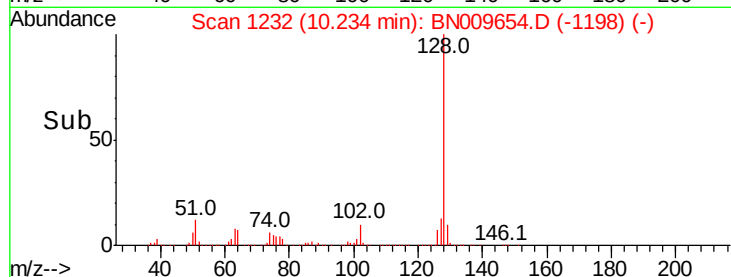
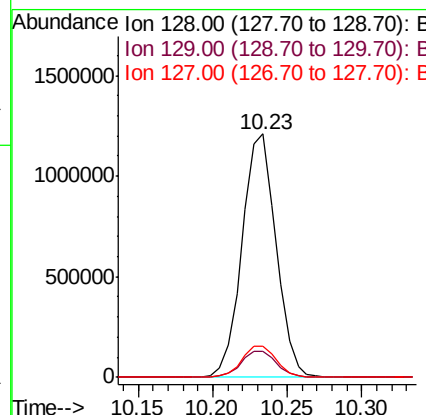
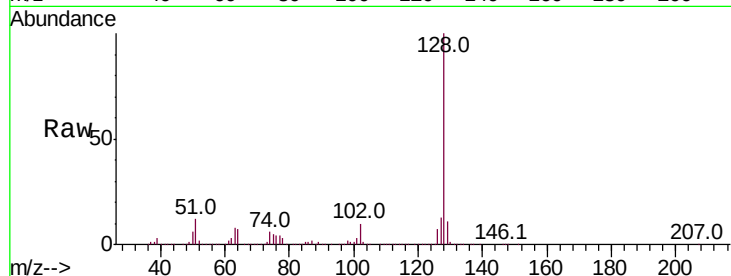




#28
Naphthalene
Concen: 45.653 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BN009654.D
Acq: 07 Feb 2020 19:50

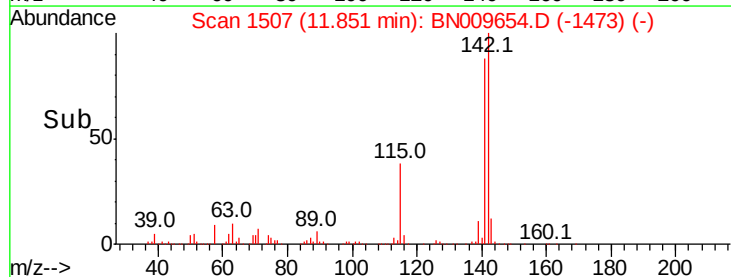
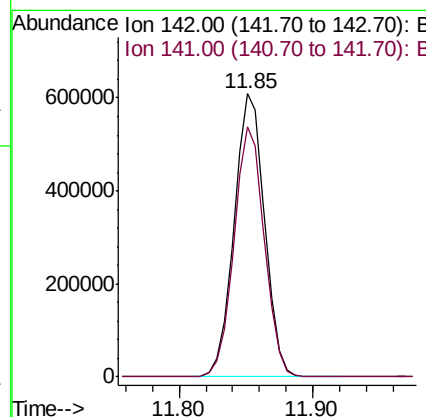
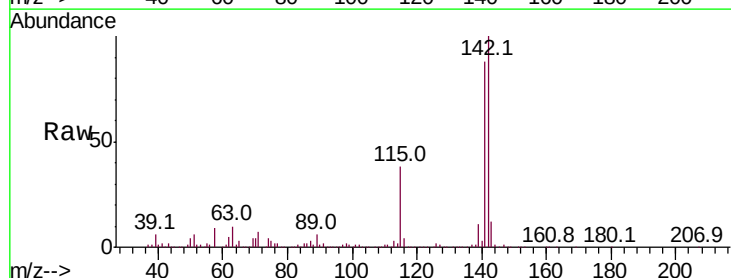
Instrument :
BNA_N
ClientSampleId :

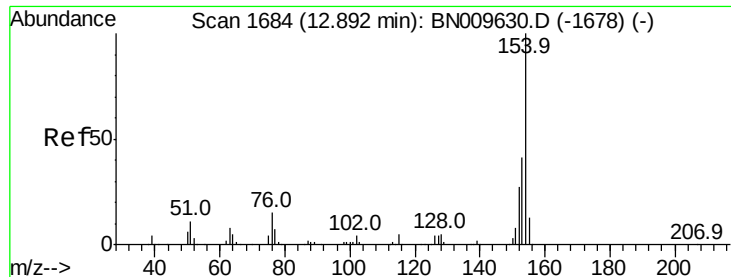
Tot Ion:128 Resp: 1910316
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 12.9 10.7 16.1



#34
2-Methylnaphthalene
Concen: 33.025 ng/ul
RT: 11.85 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BN009654.D
Acq: 07 Feb 2020 19:50

Tgt Ion:142 Resp: 967071
Ion Ratio Lower Upper
142 100
141 88.3 71.5 107.3

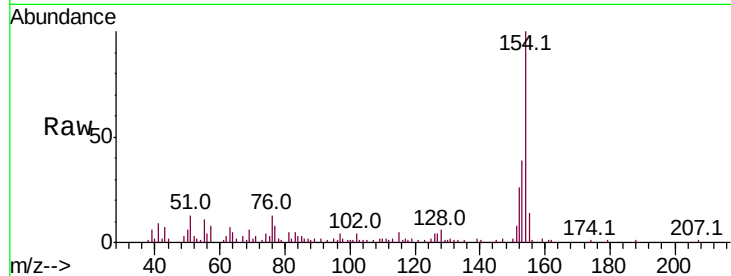




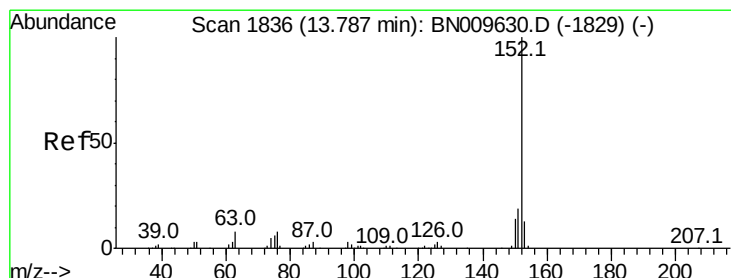
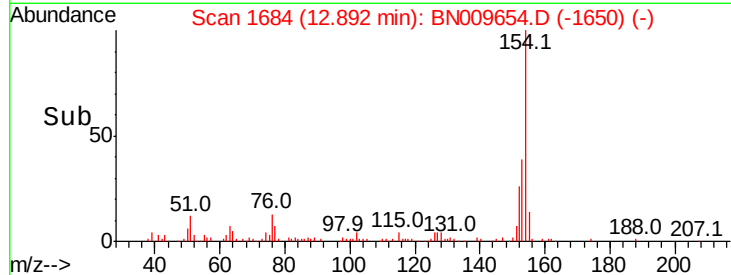
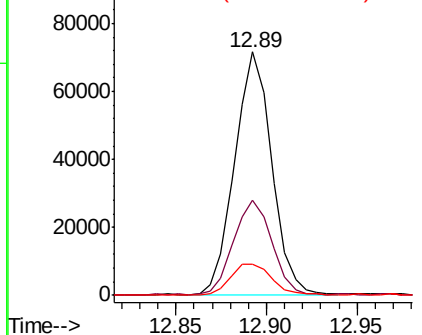
#40
 1,1'-Biphenyl
 Concen: 2.800 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BN009654.D
 Acq: 07 Feb 2020 19:50

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:	154	Resp:	102716
Ion	Ratio	Lower	Upper
154	100		
153	39.0	31.2	46.8
76	12.9	11.4	17.2

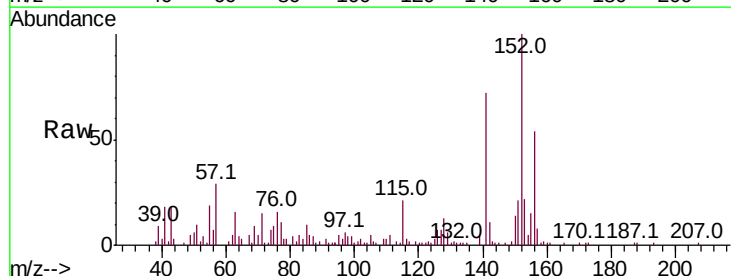


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNO

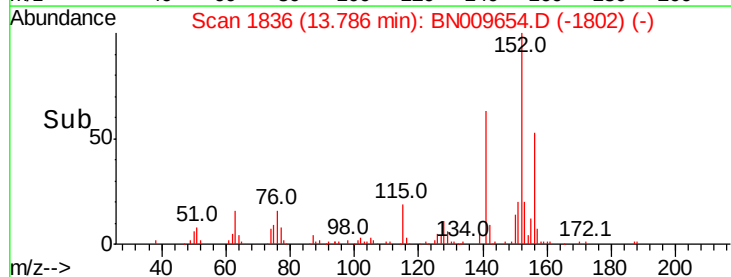
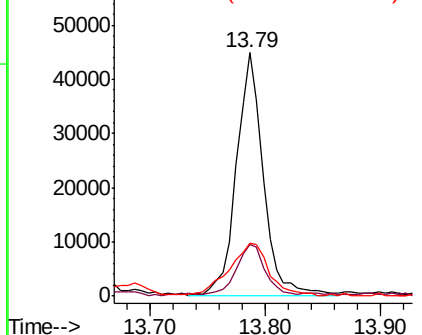


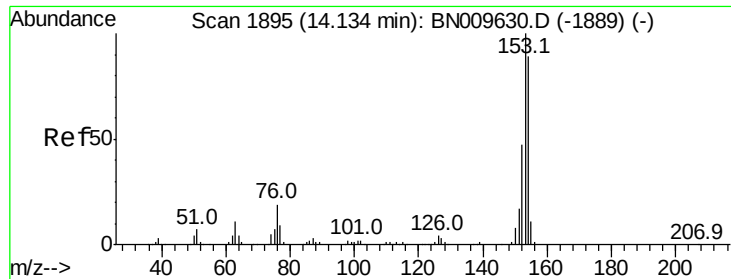
#47
 Acenaphthylene
 Concen: 1.615 ng/ul
 RT: 13.79 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BN009654.D
 Acq: 07 Feb 2020 19:50

Tgt Ion:	152	Resp:	73460
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.2
153	21.6	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: 10.736 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Instrument :

BNA_N

ClientSampleId :

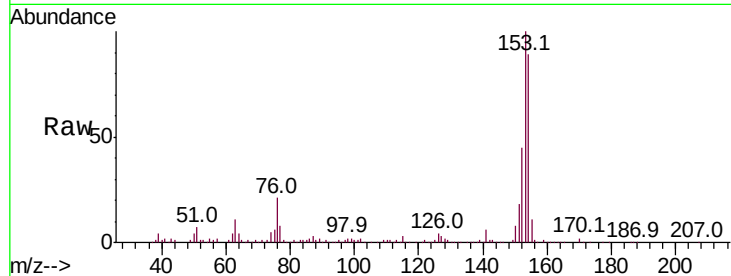
Tot Ion:153 Resp: 331972

Ion Ratio Lower Upper

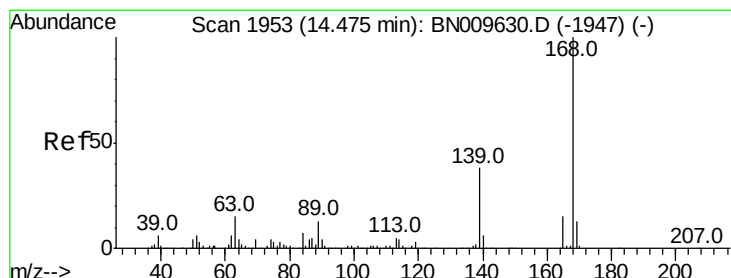
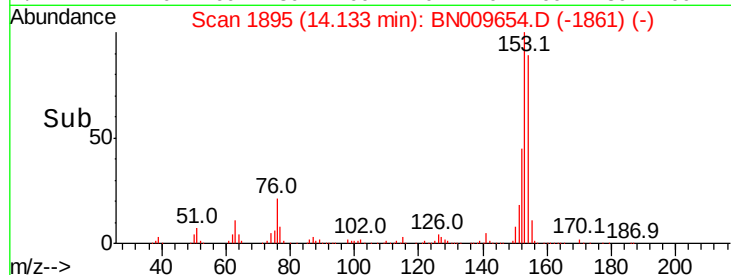
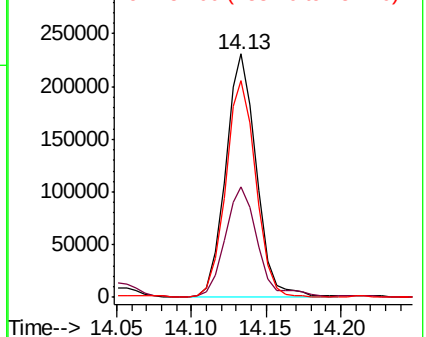
153 100

152 45.1 37.3 55.9

154 89.3 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: 1.070 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN009654.D

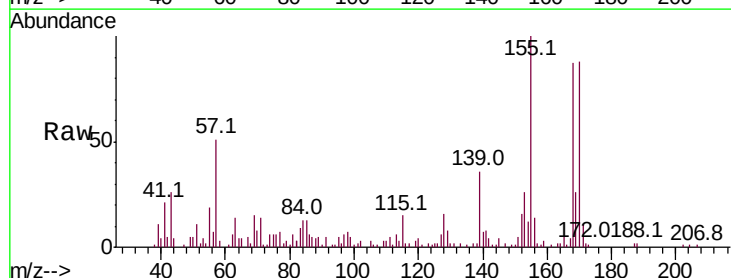
Acq: 07 Feb 2020 19:50

Tgt Ion:168 Resp: 46094

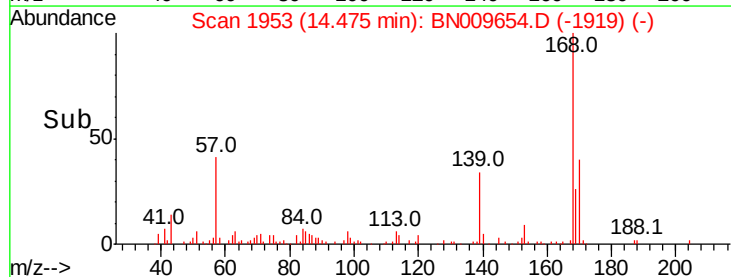
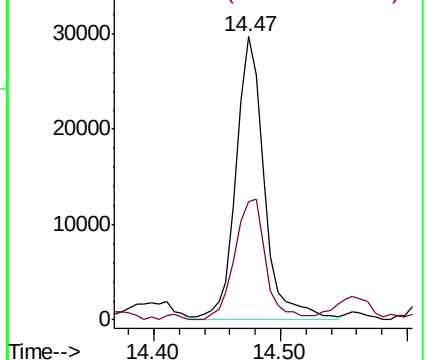
Ion Ratio Lower Upper

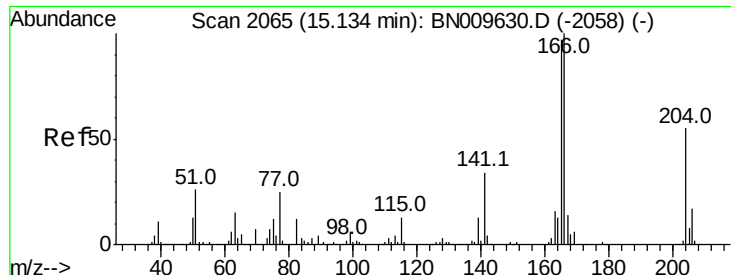
168 100

139 41.7 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: 6.261 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Instrument :

BNA_N

ClientSampleId :

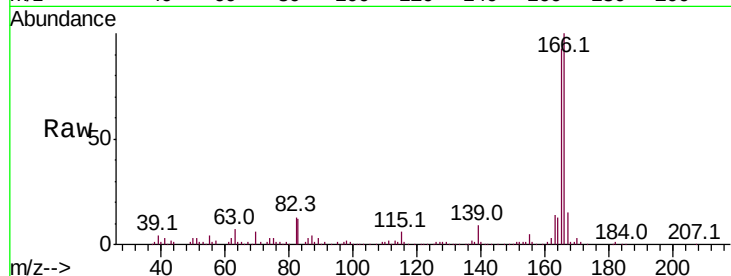
Tot Ion:166 Resp: 225302

Ion Ratio Lower Upper

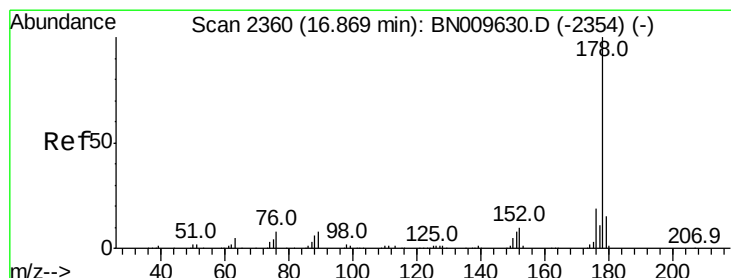
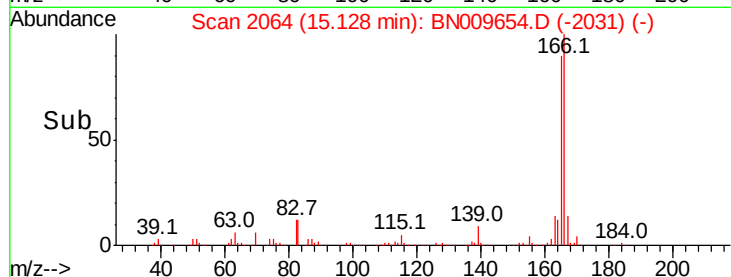
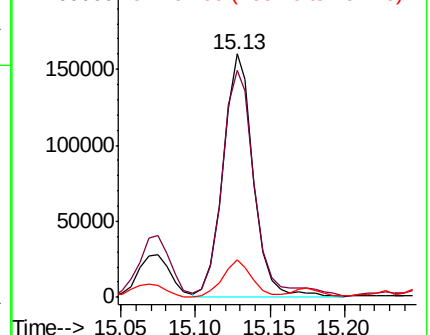
166 100

165 93.0 76.7 115.1

167 15.2 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 20.242 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

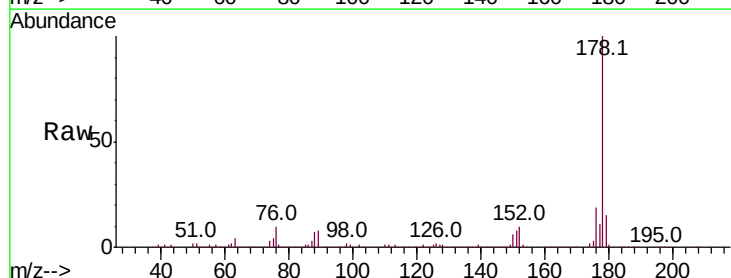
Tgt Ion:178 Resp: 1146836

Ion Ratio Lower Upper

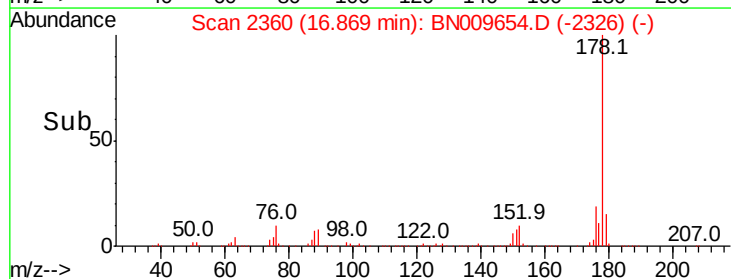
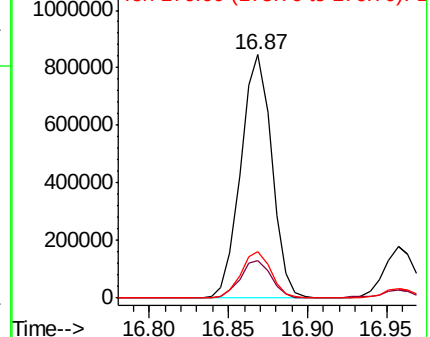
178 100

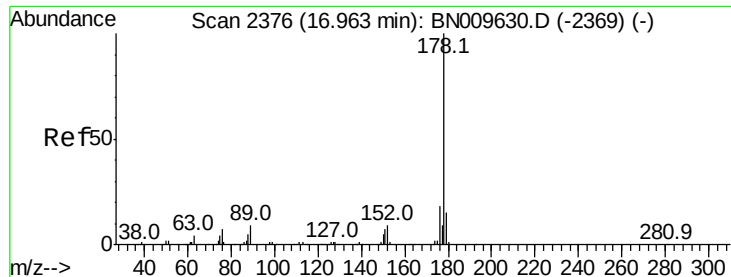
179 15.4 12.2 18.2

176 19.2 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: 4.218 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Instrument :

BNA_N

ClientSampleId :

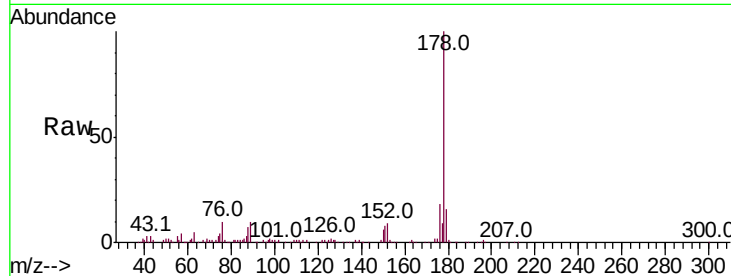
Tot Ion:178 Resp: 242481

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

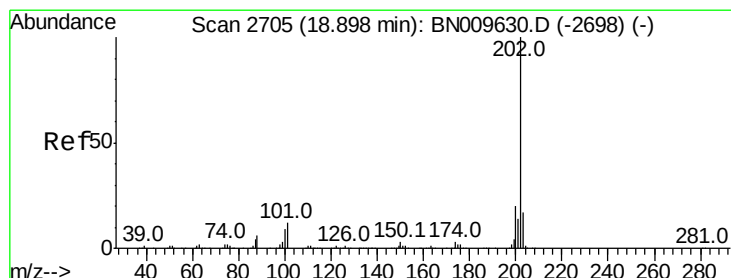
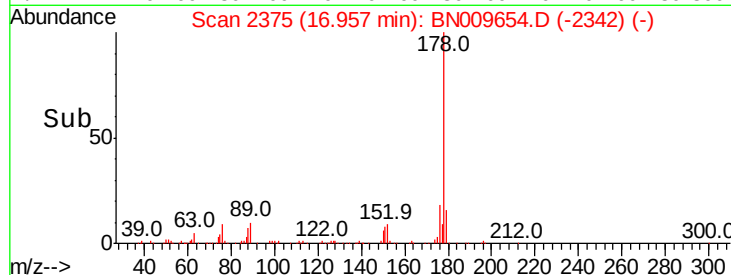
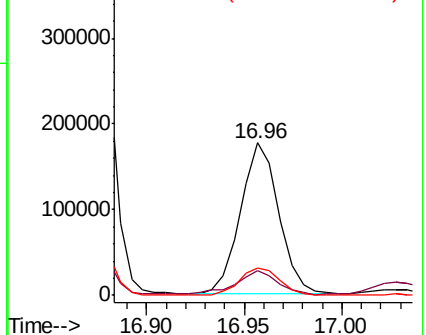
176 18.1 14.6 21.8



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



#76

Fluoranthene

Concen: 3.783 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

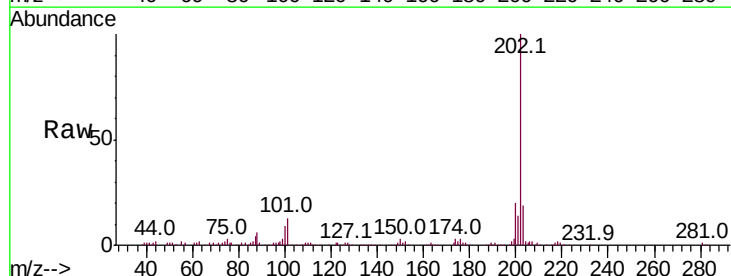
Tgt Ion:202 Resp: 244593

Ion Ratio Lower Upper

202 100

101 12.6 9.2 13.8

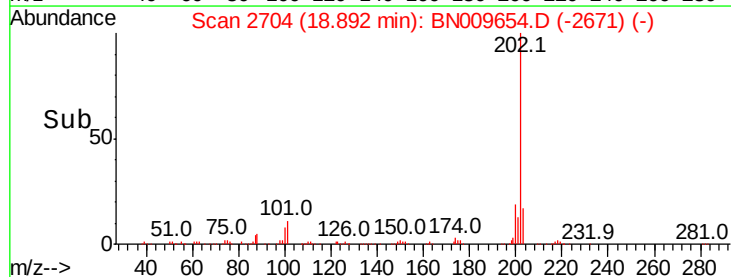
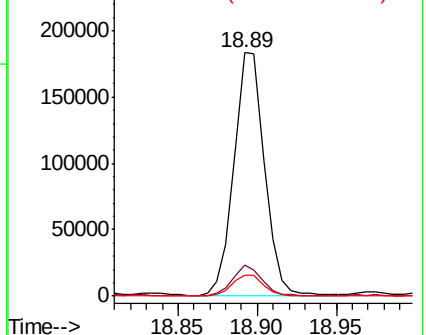
100 8.6 6.9 10.3

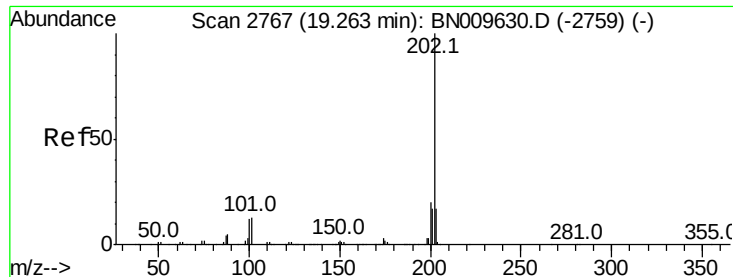


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

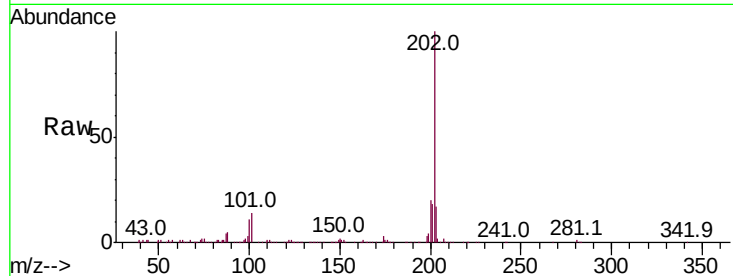




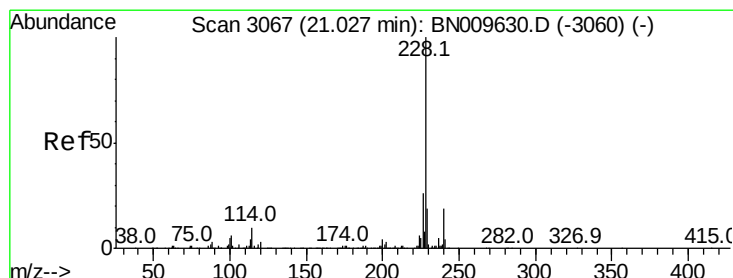
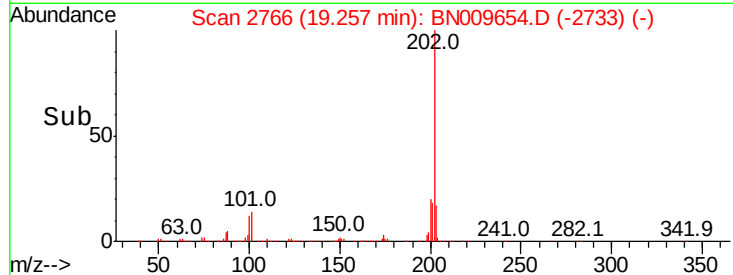
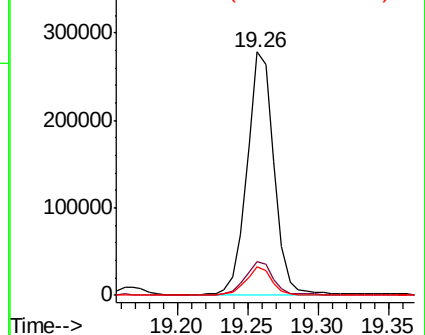
#79
Pvrene
Concen: 5.455 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. -0.01 min
Lab File: BN009654.D
Acq: 07 Feb 2020 19:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.3	15.5
100	11.5	8.4	12.6

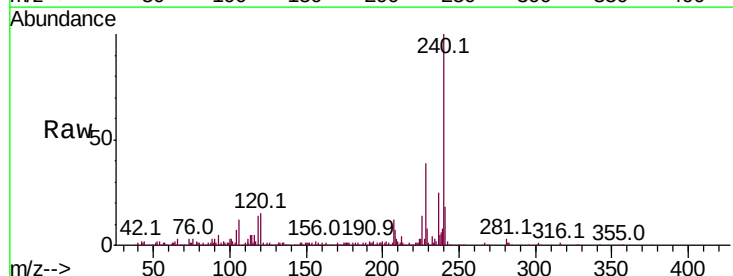


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

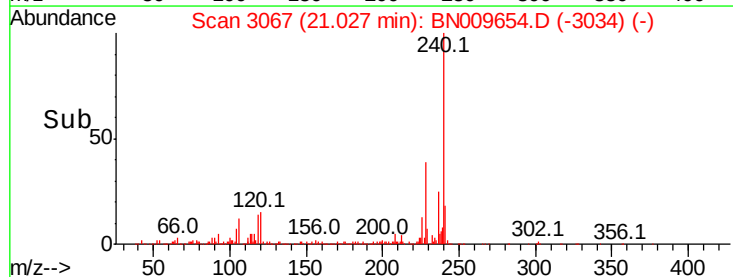
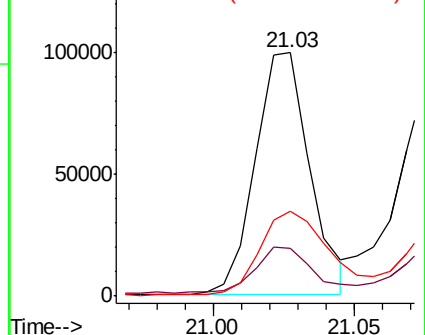


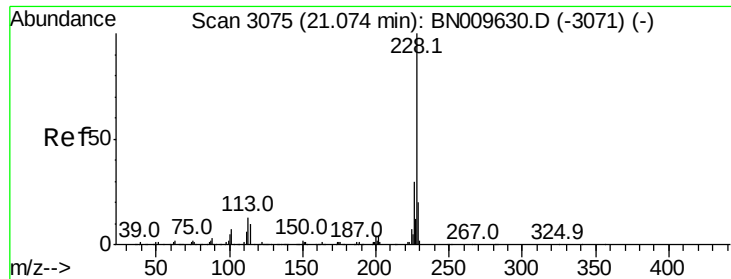
#82
Benzo(a)anthracene
Concen: 2.092 ng/ul
RT: 21.03 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BN009654.D
Acq: 07 Feb 2020 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.0	22.4
226	34.7	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: 1.745 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

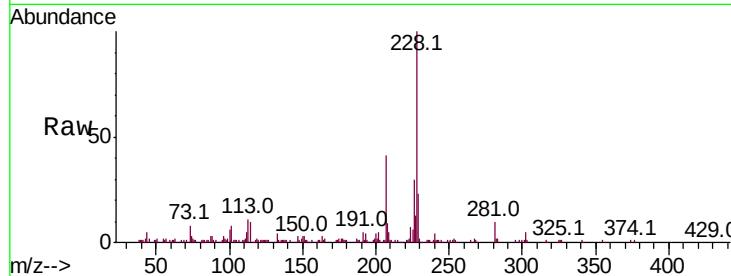
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 111118

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	22.9	15.8	23.8

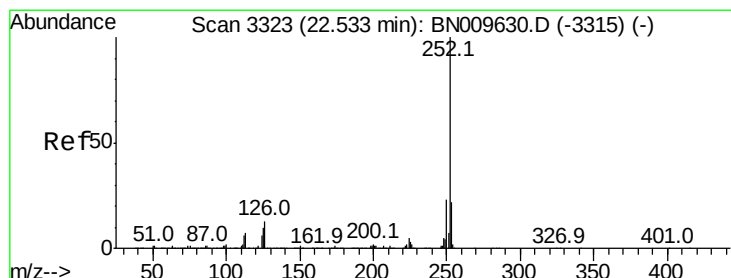
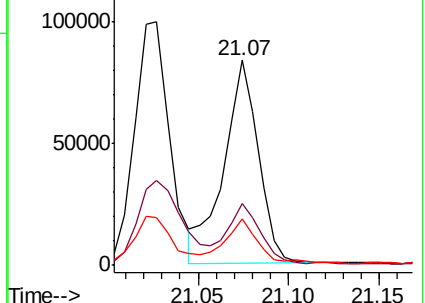
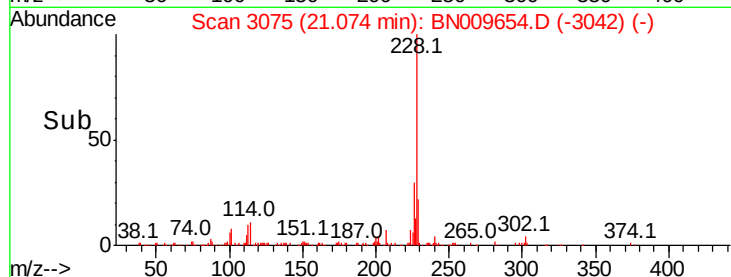


Abundance

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: 1.015 ng/ul

RT: 22.54 min Scan# 3324

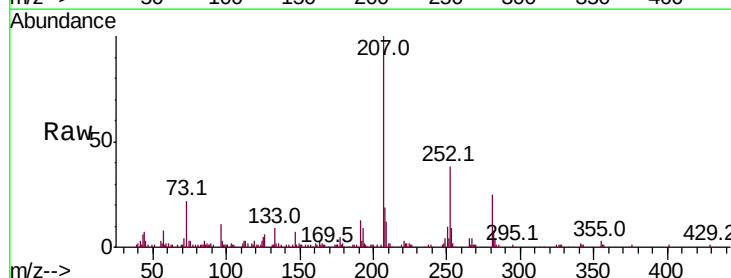
Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Tgt Ion:252 Resp: 59552

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	13.2	8.2	12.2#

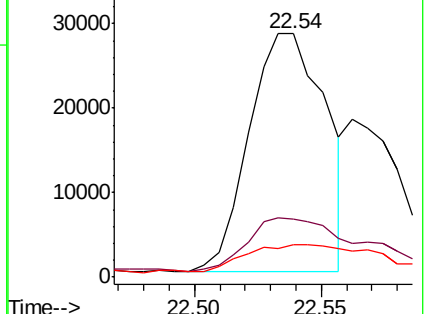
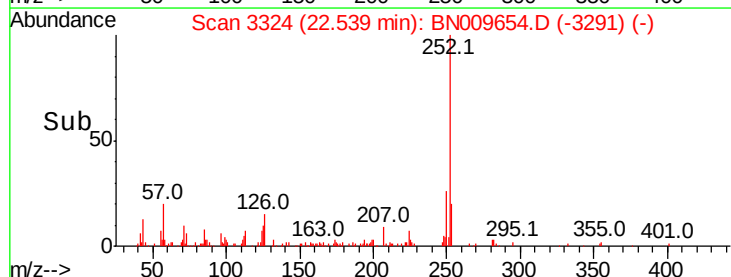


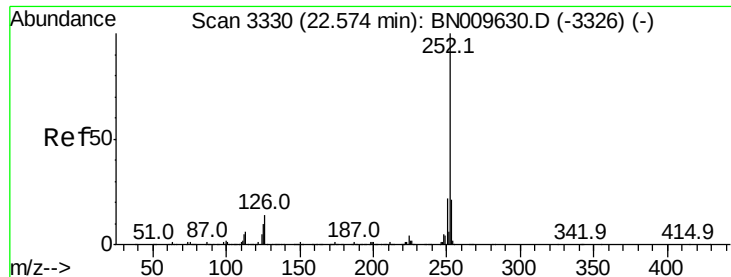
Abundance

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: 1.031 ng/ul

RT: 22.54 min Scan# 3324

Delta R.T. -0.05 min

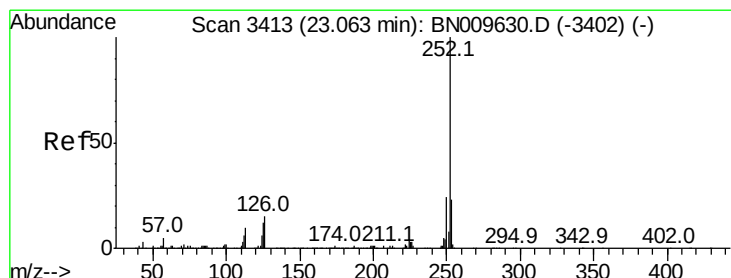
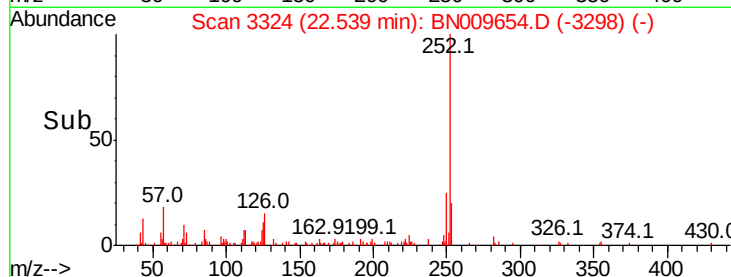
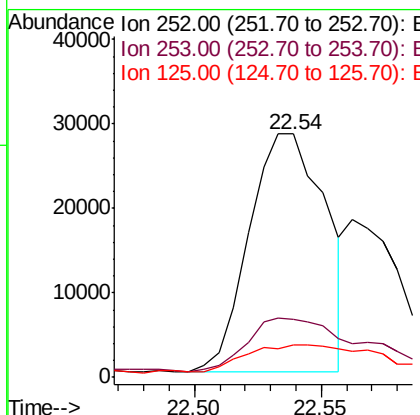
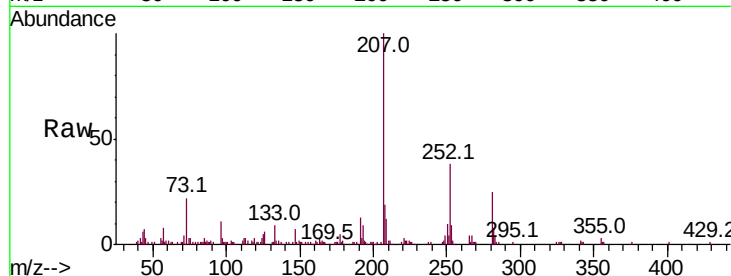
Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 59552

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	13.2	8.0	12.0



#90

Benzo(a)pyrene

Concen: 1.370 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009654.D

Acq: 07 Feb 2020 19:50

Tgt Ion:252 Resp: 74435

Ion	Ratio	Lower	Upper
252	100		
253	22.3	15.8	23.8
125	14.1	8.7	13.1

