

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009613.D
 Acq On : 06 Feb 2020 17:23
 Operator : CG/JU
 Sample : L1323-18DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:09:20 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	157787	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	668496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	407870	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	844876	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	777114	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	851603	20.00	ng/ul	0.00

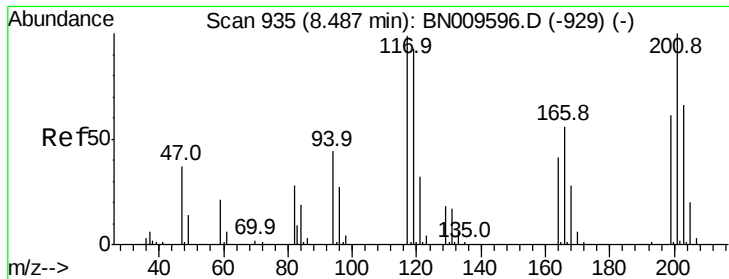
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	3514	0.91	ng/uL	0.00
5) Phenol-d5	6.64	99	56090	4.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	42817	4.63	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	45248	4.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	44379	4.05	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	21304	4.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	23001	4.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	43849	4.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	58495	5.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	142809	4.80	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	171758	4.77	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.32	143	12883	2.29	ng/ul	0.00
57) Fluorene-d10	15.07	176	128295	4.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.22	200	11530	2.19	ng/ul	0.00
70) Anthracene-d10	16.93	188	195873	5.10	ng/ul	0.00
78) Pyrene-d10	19.23	212	210722	5.16	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	210495	5.02	ng/ul	0.00

Target Compounds

					Ovalue	
17) Hexachloroethane	8.46	117	5759	1.209	ng/ul#	8
28) Naphthalene	10.24	128	7346361	202.647	ng/ul	99
30) 4-Chloroaniline	10.24	127	968833	83.954	ng/ul#	13
34) 2-Methylnaphthalene	11.86	142	1681980	66.299	ng/ul	96
40) 1,1'-Biphenyl	12.89	154	277896	8.751	ng/ul	99
47) Acenaphthylene	13.79	152	923088	23.446	ng/ul	99
49) Acenaphthene	14.13	153	80146	2.994	ng/ul	97
53) Dibenzofuran	14.48	168	86163	2.312	ng/ul	97
58) Fluorene	15.13	166	586750	18.837	ng/ul	97
69) Phenanthrene	16.87	178	2810809	58.337	ng/ul	99
71) Anthracene	16.96	178	635141	12.992	ng/ul	99
76) Fluoranthene	18.90	202	1077223	19.589	ng/ul	99
79) Pyrene	19.26	202	1612352	28.422	ng/ul	98
82) Benzo(a)anthracene	21.07	228	457024	8.518	ng/ul	92
84) Chrysene	21.07	228	457024	8.556	ng/ul	97
87) Benzo(b)fluoranthene	22.53	252	333884	6.266	ng/ul	94
88) Benzo(k)fluoranthene	22.53	252	333884	6.363	ng/ul	94
90) Benzo(a)pyrene	23.06	252	431753	8.746	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.22	276	155535	2.650	ng/ul	93
93) Benzo(g,h,i)perylene	25.84	276	164096	3.336	ng/ul	97

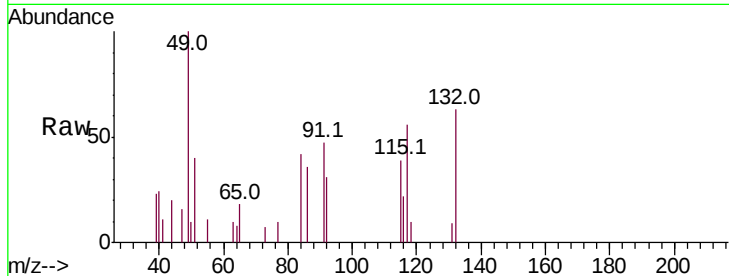
(#) = qualifier out of range (m) = manual integration (+) = signals summed



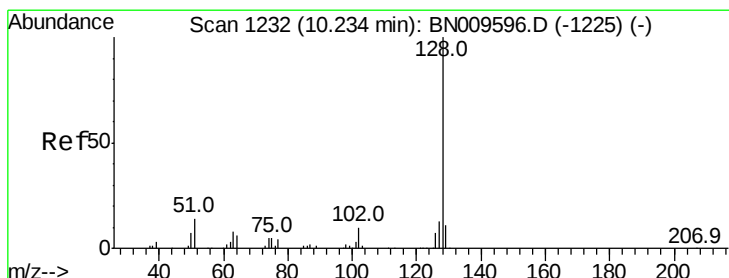
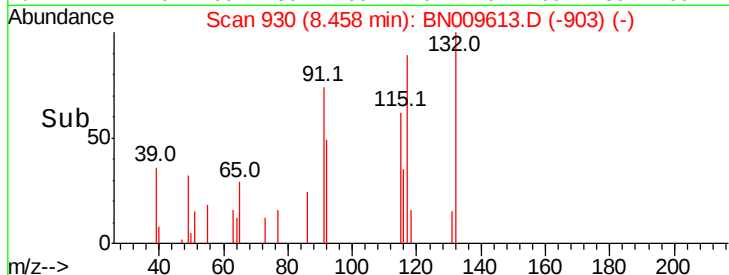
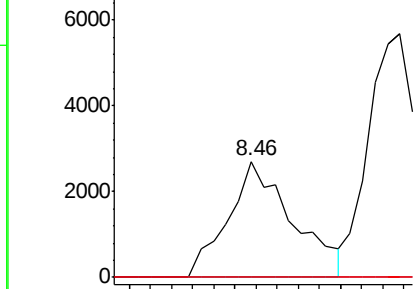
#17
Hexachloroethane
Concen: 1.209 ng/ul
RT: 8.46 min Scan# 930
Delta R.T. -0.04 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Instrument :
BNA_N
ClientSampled :

Tot Ion:117 Resp: 5759
Ion Ratio Lower Upper
117 100
201 0.0 78.8 118.2#
199 0.0 49.0 73.4#

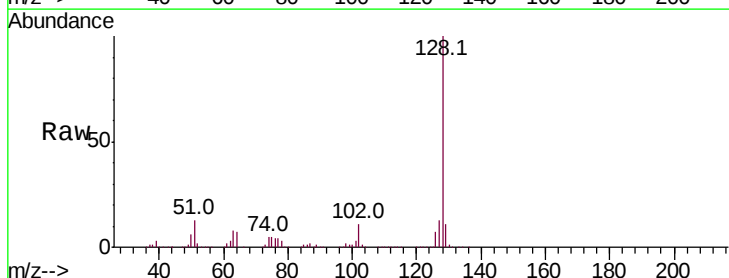


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

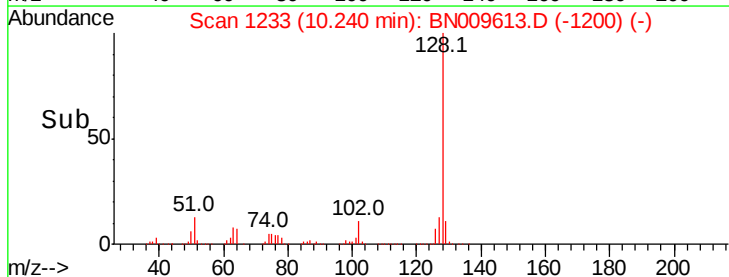
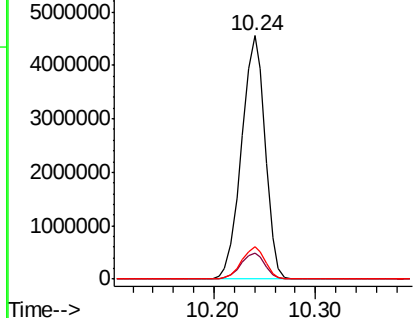


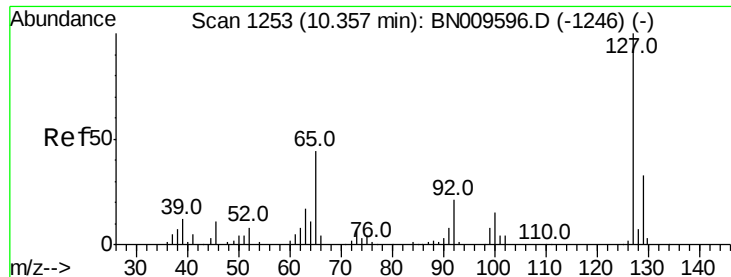
#28
Naphthalene
Concen: 202.647 ng/ul
RT: 10.24 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Tgt Ion:128 Resp: 7346361
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.3 10.7 16.1



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





#30

4-Chloroaniline

Concen: 83.954 ng/ul

RT: 10.24 min Scan# 1233

Delta R.T. -0.12 min

Lab File: BN009613.D

Acq: 06 Feb 2020 17:23

Instrument :

BNA_N

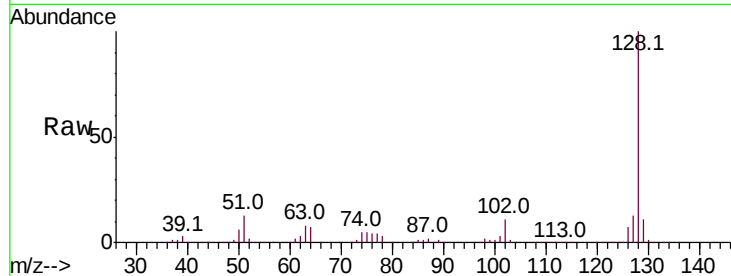
ClientSampleId :

Tot Ion:127 Resp: 968833

Ion Ratio Lower Upper

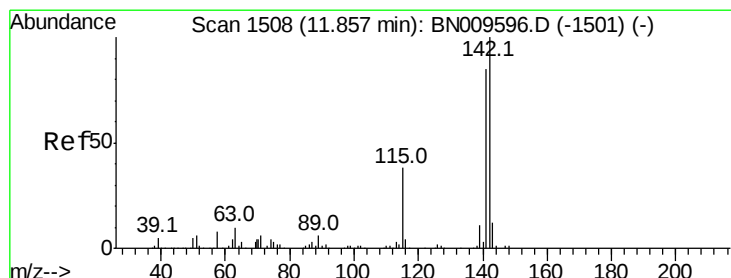
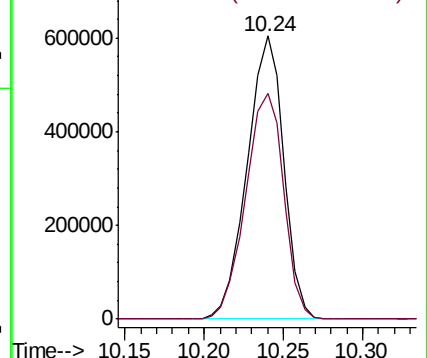
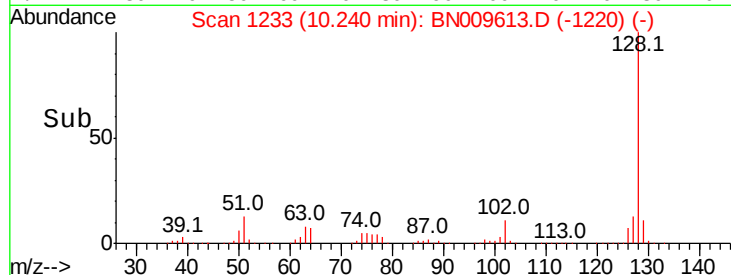
127 100

129 79.8 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: 66.299 ng/ul

RT: 11.86 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN009613.D

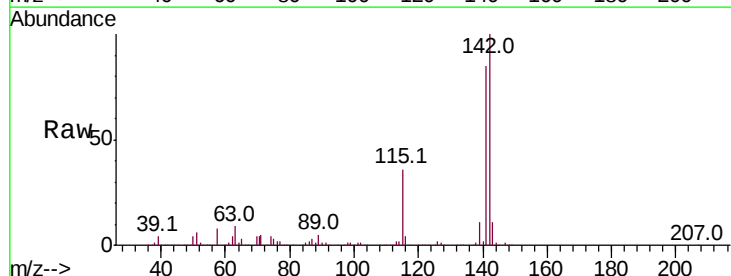
Acq: 06 Feb 2020 17:23

Tgt Ion:142 Resp: 1681980

Ion Ratio Lower Upper

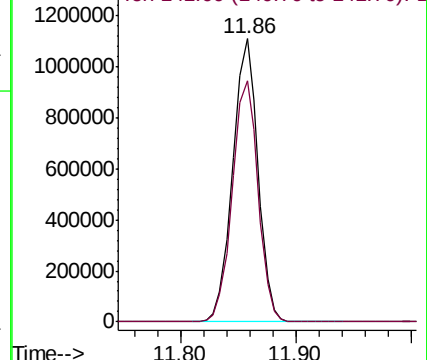
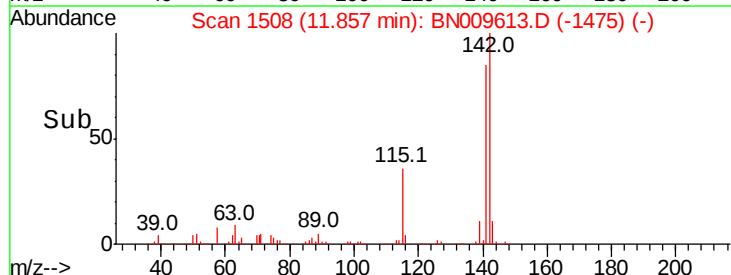
142 100

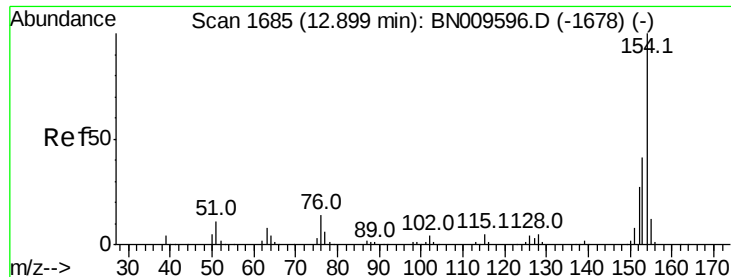
141 85.2 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 8.751 ng/ul

RT: 12.89 min Scan# 1684

Delta R.T. -0.01 min

Lab File: BN009613.D

Acq: 06 Feb 2020 17:23

Instrument :

BNA_N

ClientSampled :

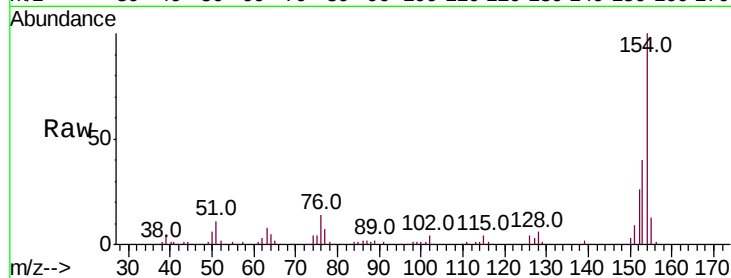
Tot Ion:154 Resp: 277896

Ion Ratio Lower Upper

154 100

153 40.2 31.2 46.8

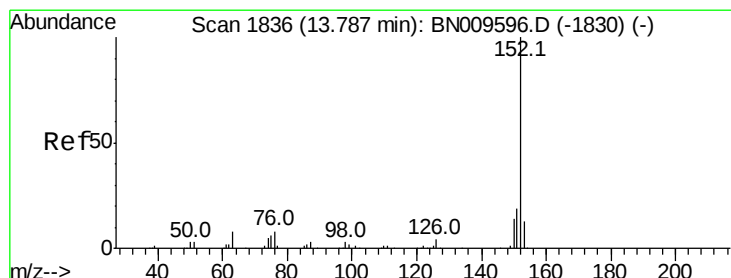
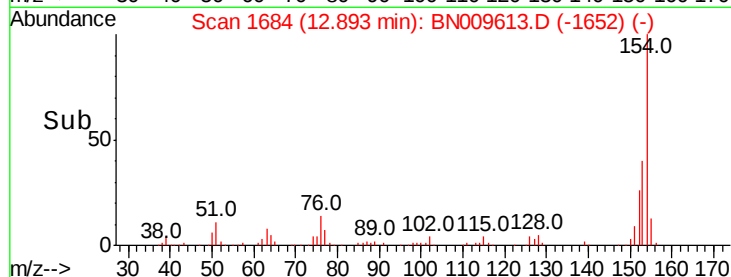
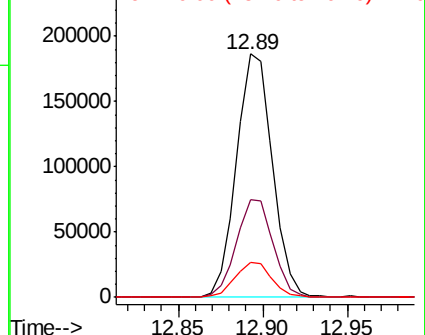
76 14.2 11.4 17.2



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: 23.446 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009613.D

Acq: 06 Feb 2020 17:23

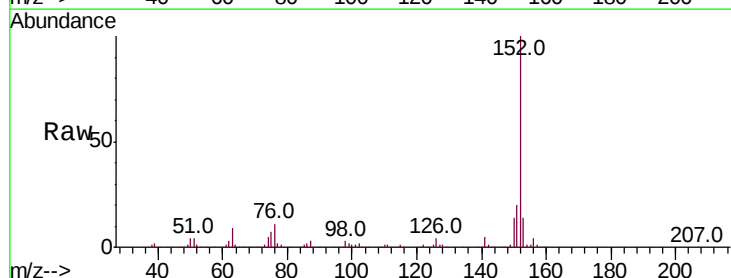
Tgt Ion:152 Resp: 923088

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

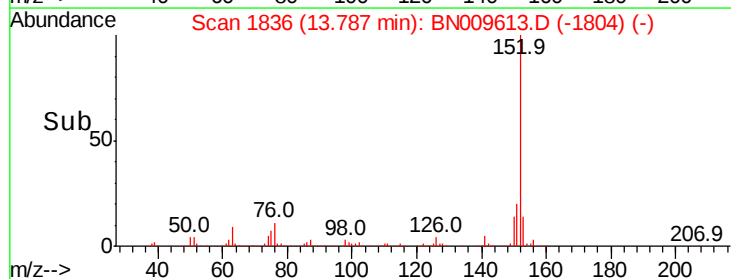
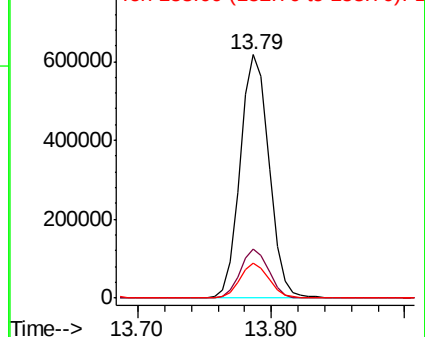
153 14.3 10.6 15.8

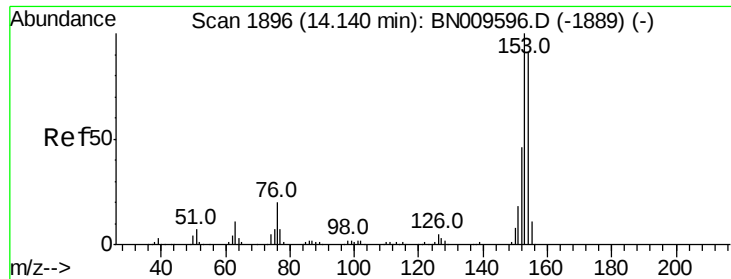


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.994 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN009613.D

Acq: 06 Feb 2020 17:23

Instrument :

BNA_N

ClientSampleId :

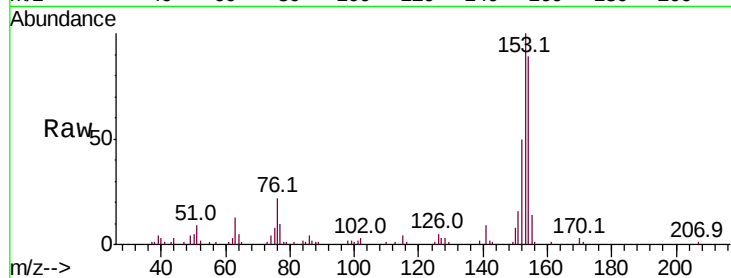
Tot Ion:153 Resp: 80146

Ion Ratio Lower Upper

153 100

152 50.3 37.3 55.9

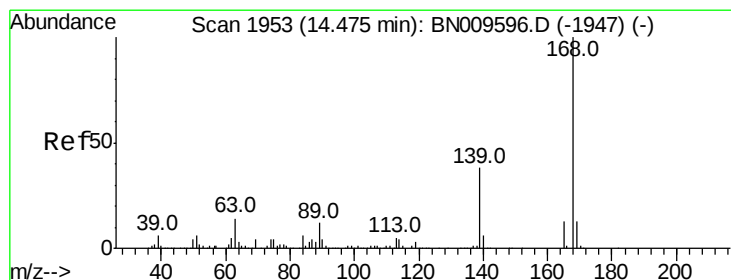
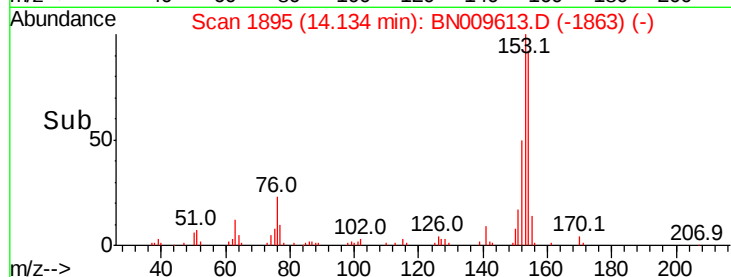
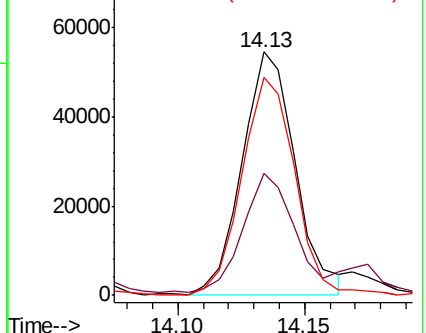
154 89.3 70.2 105.2



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: 2.312 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009613.D

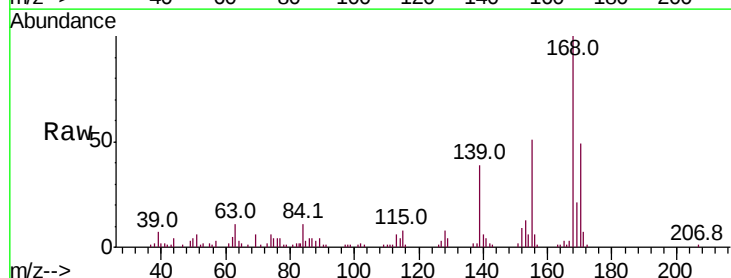
Acq: 06 Feb 2020 17:23

Tgt Ion:168 Resp: 86163

Ion Ratio Lower Upper

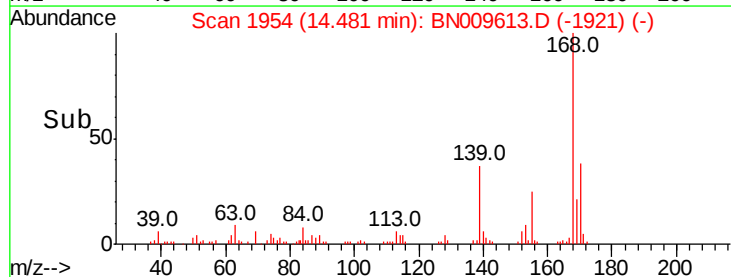
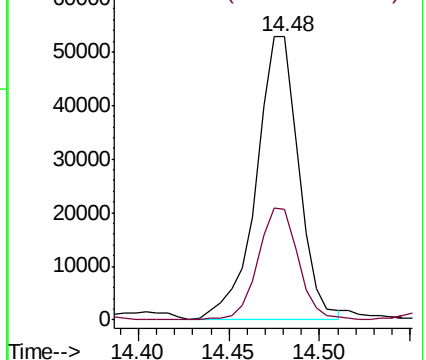
168 100

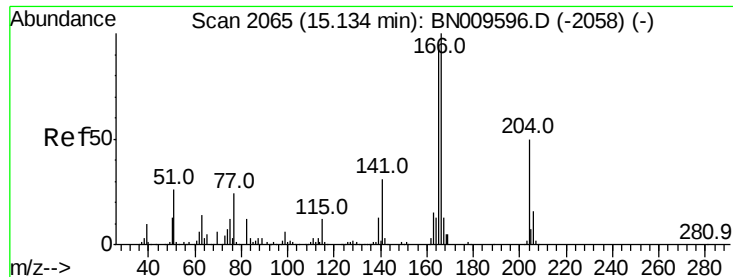
139 39.0 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

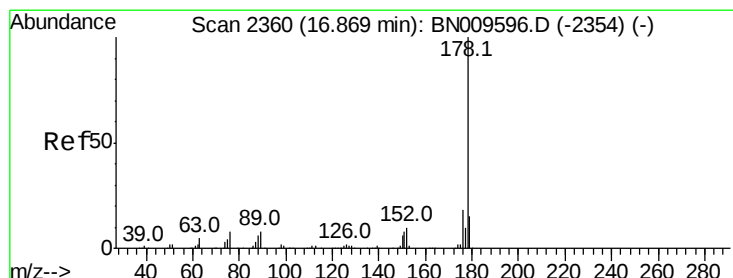
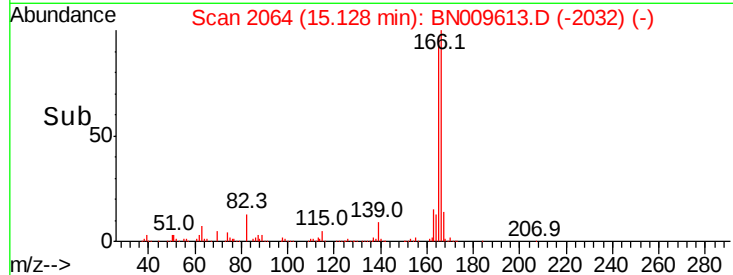
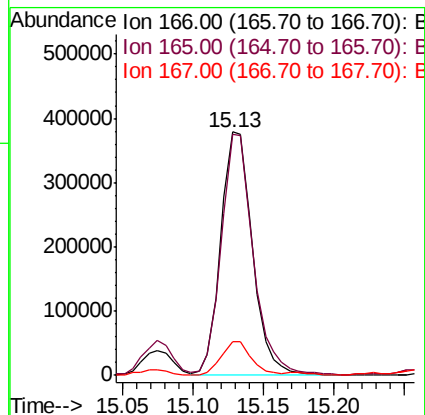
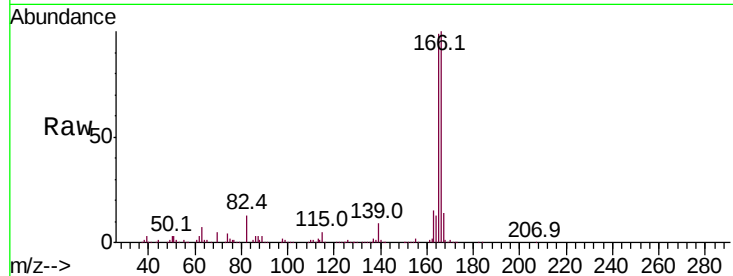




#58
 Fluorene
 Concen: 18.837 ng/ul
 RT: 15.13 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: BN009613.D
 Acq: 06 Feb 2020 17:23

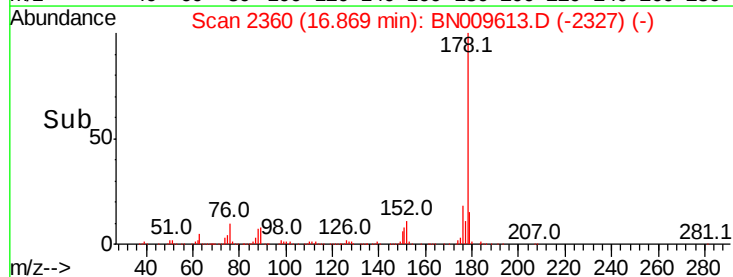
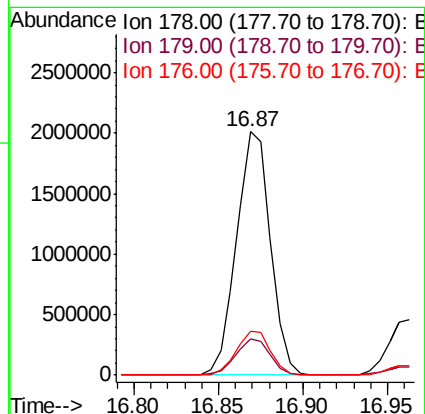
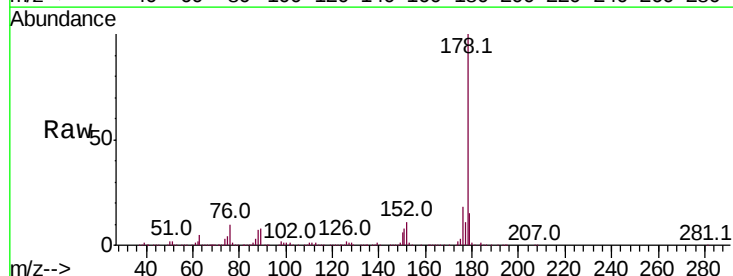
Instrument :
 BNA_N
 ClientSampleId :

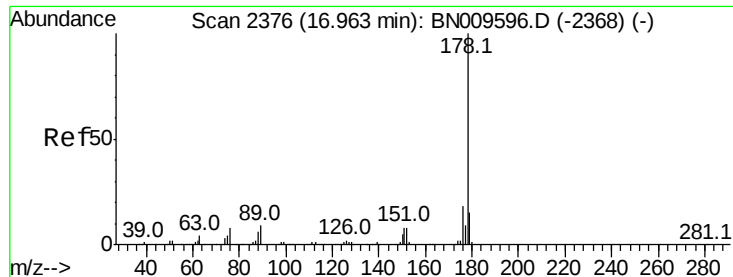
Tot Ion:166 Resp: 586750
 Ion Ratio Lower Upper
 166 100
 165 98.9 76.7 115.1
 167 14.0 11.1 16.7



#69
 Phenanthrene
 Concen: 58.337 ng/ul
 RT: 16.87 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: BN009613.D
 Acq: 06 Feb 2020 17:23

Tgt Ion:178 Resp: 2810809
 Ion Ratio Lower Upper
 178 100
 179 15.0 12.2 18.2
 176 18.1 14.8 22.2

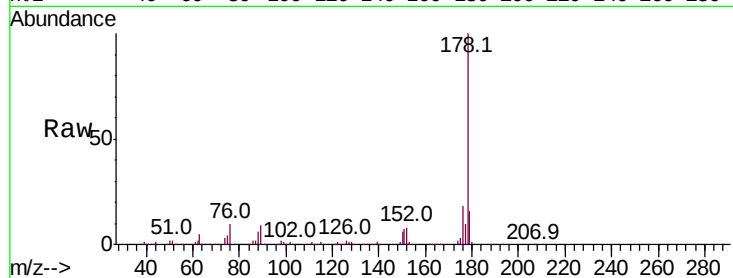




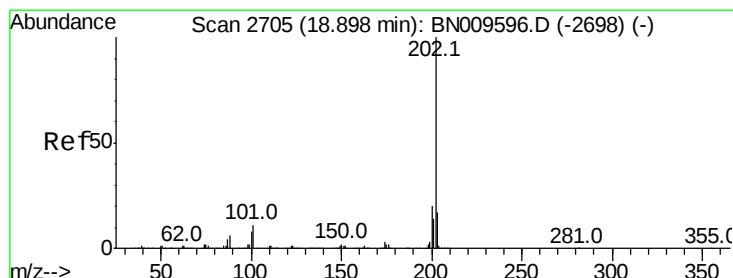
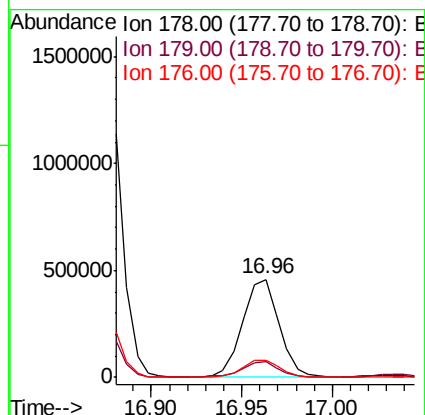
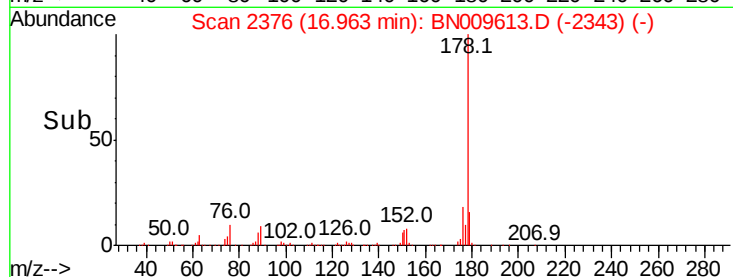
#71
 Anthracene
 Concen: 12.992 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN009613.D
 Acq: 06 Feb 2020 17:23

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 635141
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.1 18.1
 176 17.9 14.6 21.8

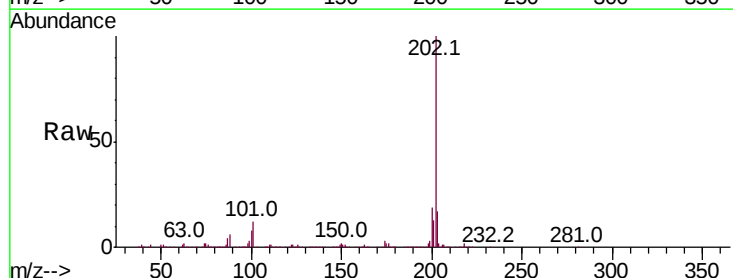


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

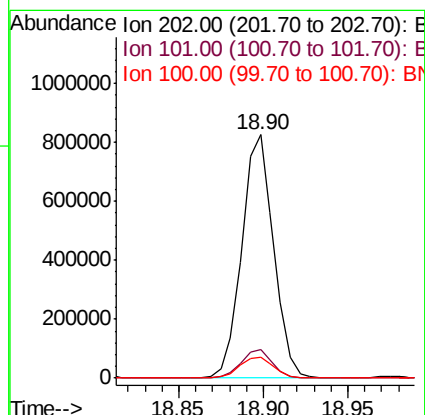
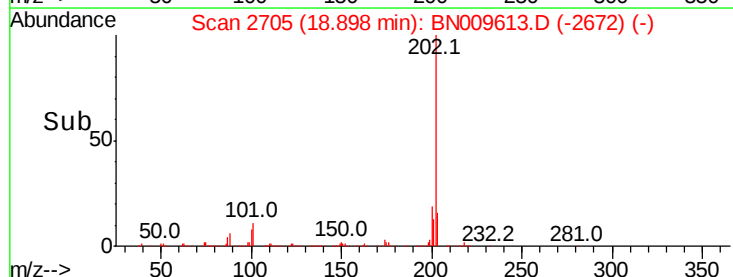


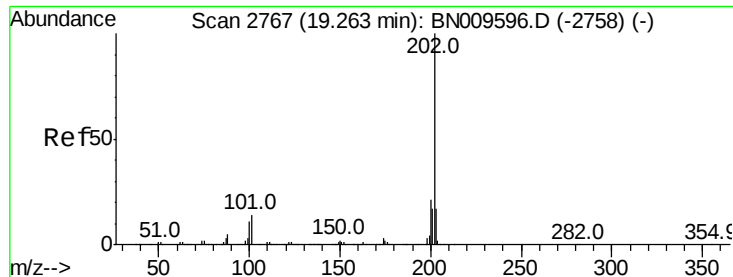
#76
 Fluoranthene
 Concen: 19.589 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. -0.01 min
 Lab File: BN009613.D
 Acq: 06 Feb 2020 17:23

Tgt Ion:202 Resp: 1077223
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.2 13.8
 100 8.4 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

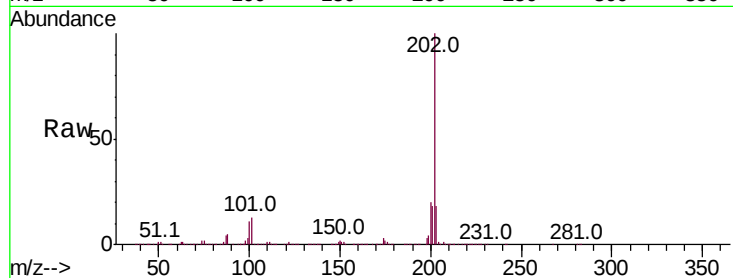




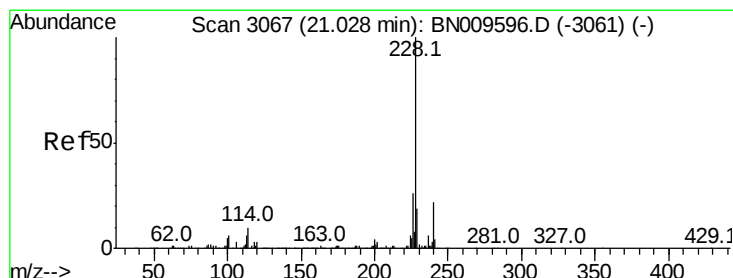
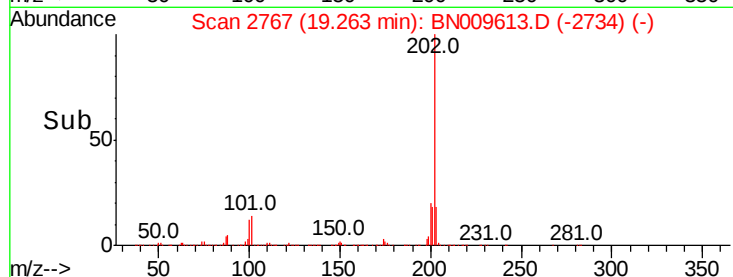
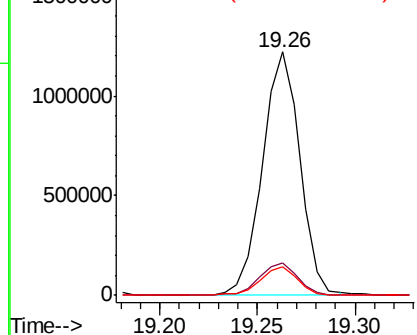
#79
Pvrene
Concen: 28.422 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 1612352
Ion Ratio Lower Upper
202 100
101 13.5 10.3 15.5
100 11.5 8.4 12.6

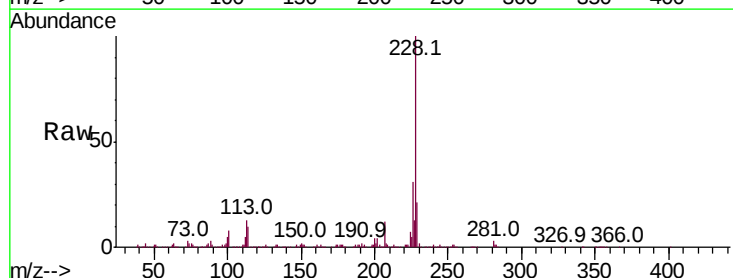


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

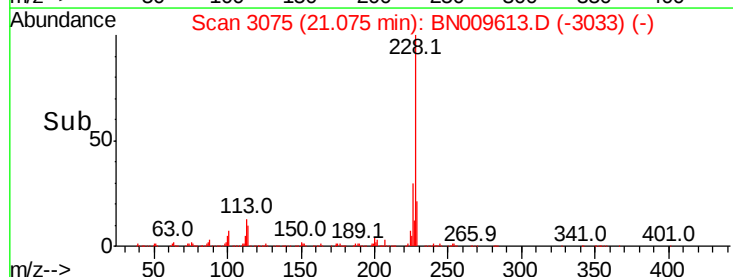
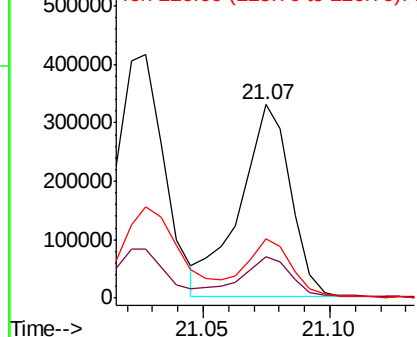


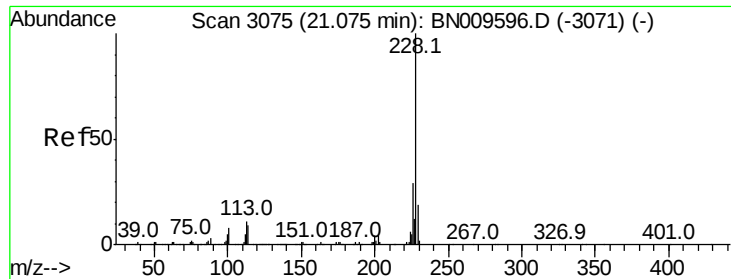
#82
Benzo(a)anthracene
Concen: 8.518 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. 0.05 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Tgt Ion:228 Resp: 457024
Ion Ratio Lower Upper
228 100
229 21.3 15.0 22.4
226 30.8 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

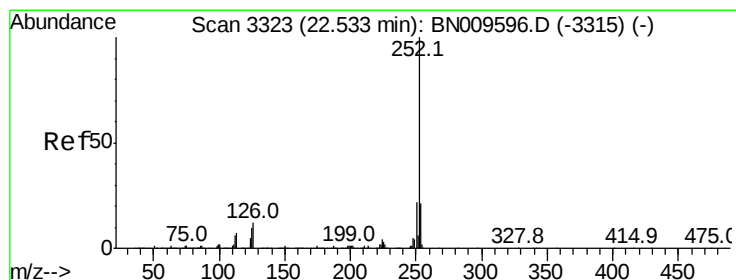
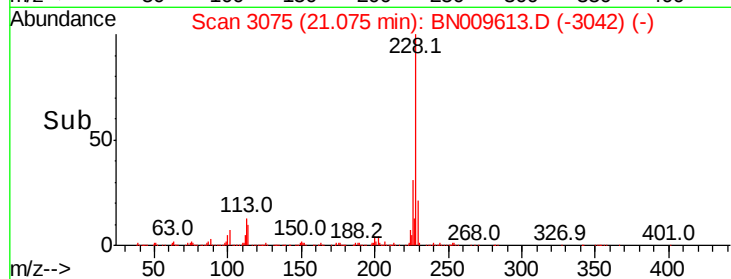
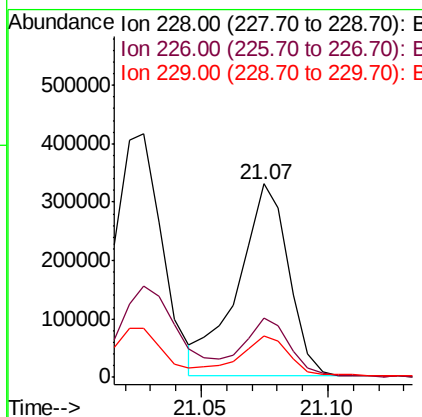
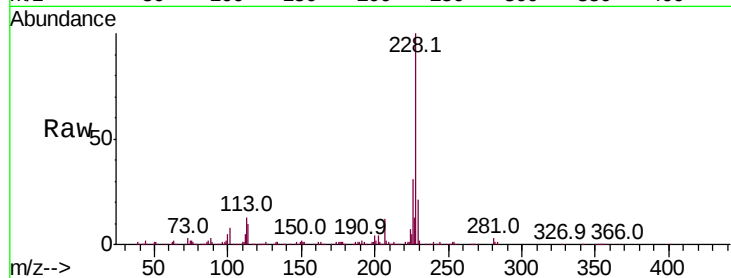




#84
Chrysene
Concen: 8.556 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

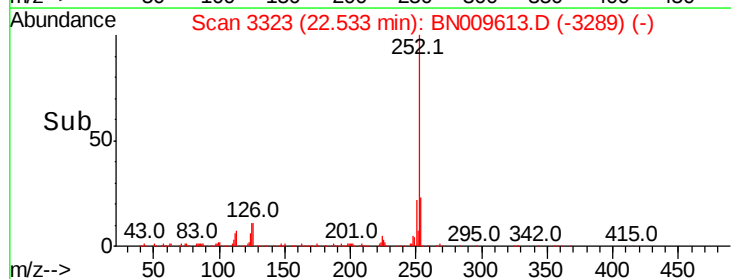
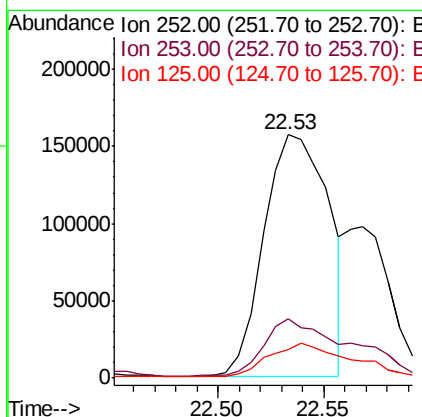
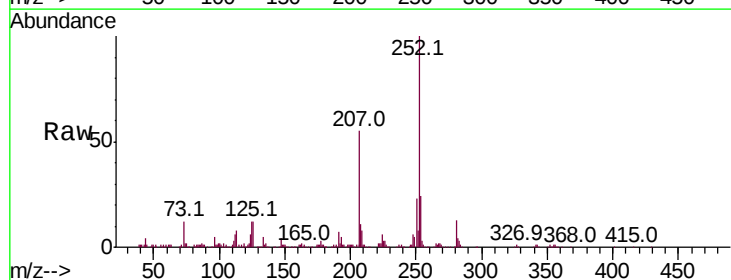
Instrument :
BNA_N
ClientSampled :

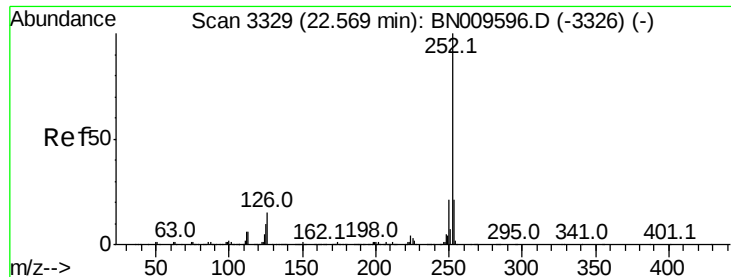
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.5	35.3
229	21.3	15.8	23.8



#87
Benzo(b)fluoranthene
Concen: 6.266 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. 0.00 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	11.7	8.2	12.2

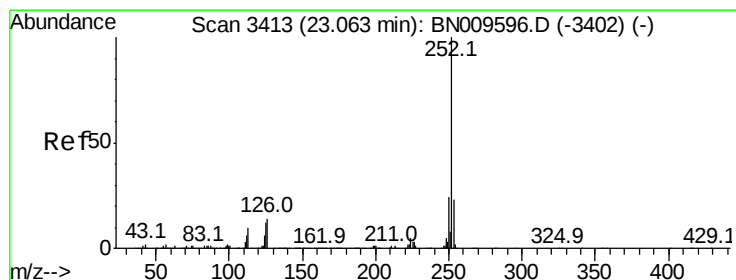
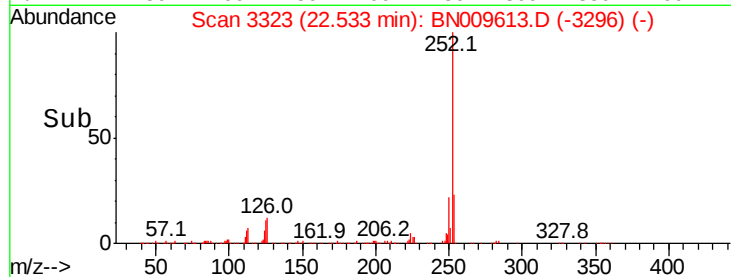
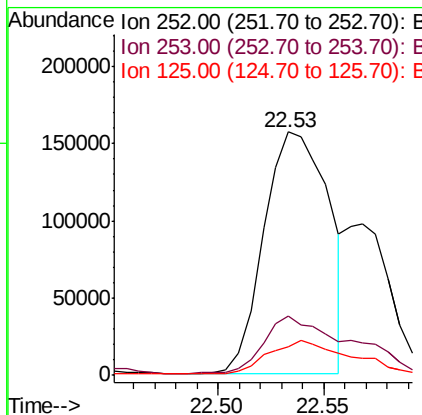
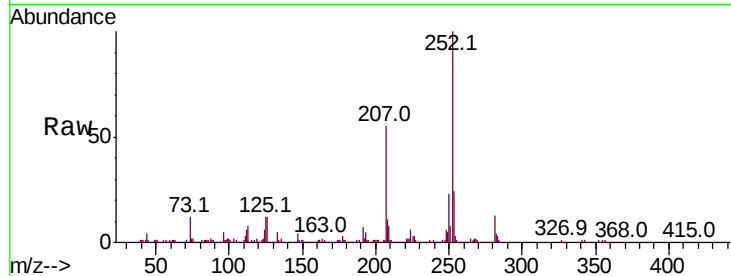




#88
Benzo(k)fluoranthene
Concen: 6.363 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.04 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

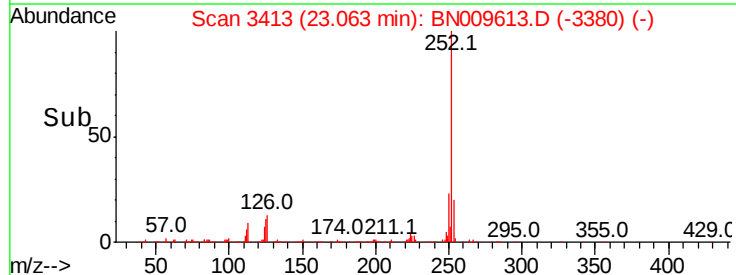
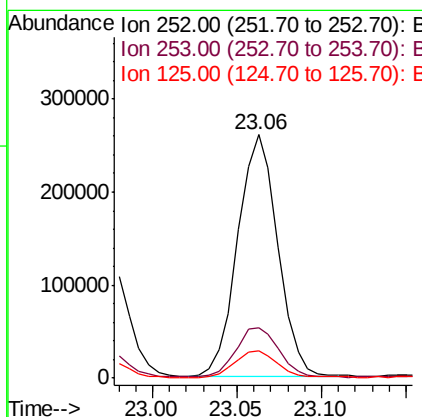
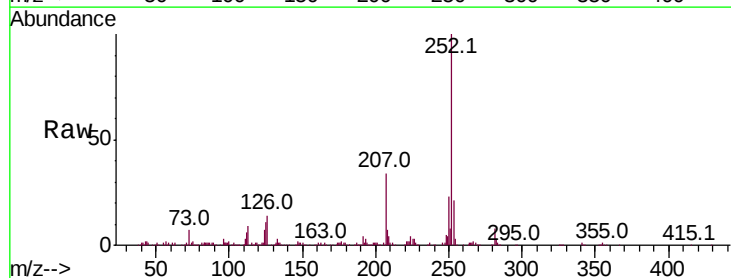
Instrument :
BNA_N
ClientSampleId :

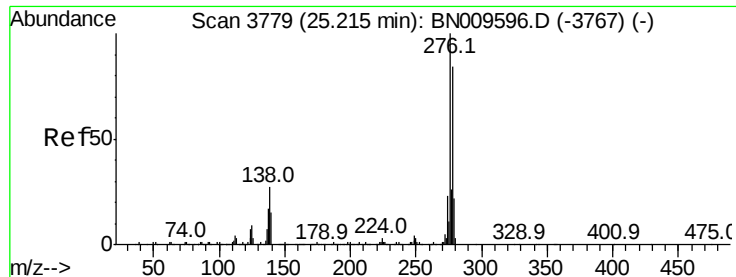
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	11.7	8.0	12.0



#90
Benzo(a)pyrene
Concen: 8.746 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	15.8	23.8
125	11.1	8.7	13.1



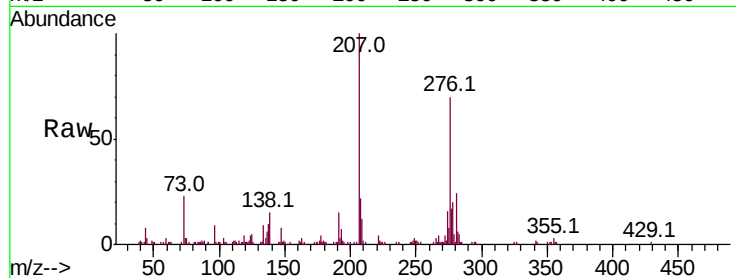


#91

Indeno(1,2,3-cd)pyrene
Concen: 2.650 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.3	30.5
277	24.2	21.2	31.8

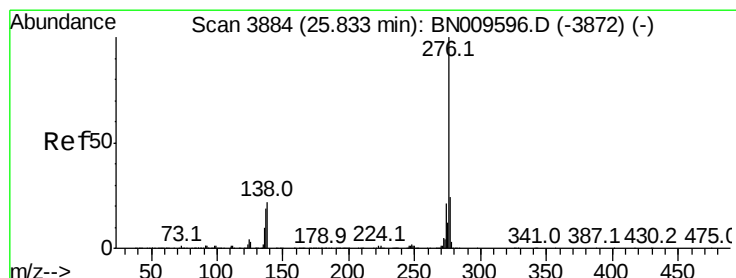
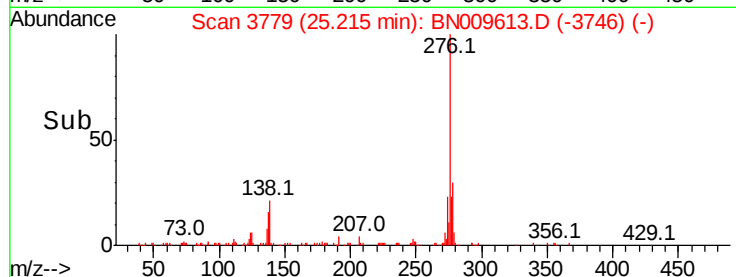
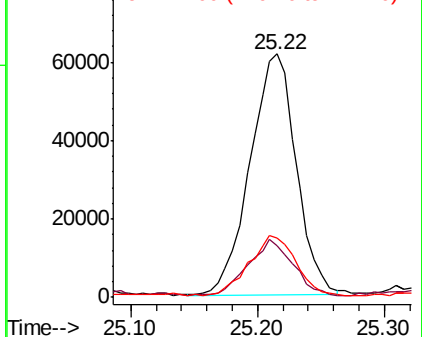


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

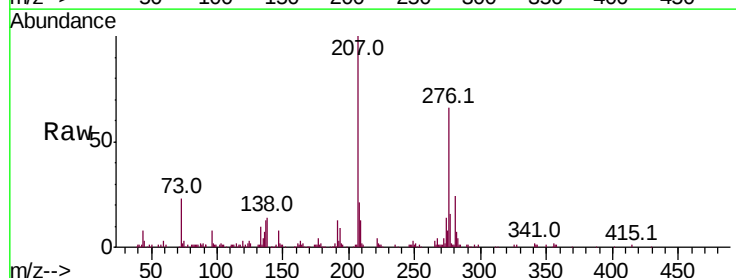
Ion 277.00 (276.70 to 277.70): E



#93

Benzo(g,h,i)perylene
Concen: 3.336 ng/ul
RT: 25.84 min Scan# 3885
Delta R.T. -0.01 min
Lab File: BN009613.D
Acq: 06 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.0	24.0
277	23.7	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

