

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009607.D
 Acq On : 06 Feb 2020 13:20
 Operator : CG/JU
 Sample : L1323-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:08:16 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	126533	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.18	136	531091	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.07	164	320648	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	650513	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	618939	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	656933	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	3131	1.02	ng/uL	0.00
5) Phenol-d5	6.63	99	59253	5.37	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.79	67	44207	5.96	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.97	132	48715	6.00	ng/ul	-0.02
13) 4-Methylphenol-d8	8.15	113	38346	4.36	ng/ul	-0.01
19) Nitrobenzene-d5	8.57	128	24232	6.13	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.28	143	23457	5.32	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.82	165	43069	5.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	49160	5.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	155009	6.62	ng/ul	-0.01
46) Acenaphthylene-d8	13.76	160	178287	6.30	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.32	143	7960	1.80	ng/ul	0.00
57) Fluorene-d10	15.07	176	138490	6.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	12887	3.17	ng/ul	0.00
70) Anthracene-d10	16.92	188	202794	6.86	ng/ul	-0.01
78) Pyrene-d10	19.23	212	228395	7.02	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.02	264	232636	7.19	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.66	94	14076	1.194	ng/ul# 86
14) Acetophenone	8.25	105	18671	1.328	ng/ul 96
17) Hexachloroethane	8.45	117	13003	3.404	ng/ul# 8
28) Naphthalene	10.23	128	8758839	304.120	ng/ul 100
30) 4-Chloroaniline	10.23	127	1159467	126.468	ng/ul# 7
34) 2-Methylnaphthalene	11.86	142	3815922	189.328	ng/ul 100
40) 1,1'-Biphenyl	12.89	154	281483	11.275	ng/ul 99
44) Dimethylphthalate	13.54	163	46961	1.890	ng/ul 99
47) Acenaphthylene	13.79	152	1084920	35.052	ng/ul 98
49) Acenaphthene	14.13	153	87123	4.141	ng/ul 95
53) Dibenzofuran	14.47	168	106647	3.640	ng/ul 96
58) Fluorene	15.13	166	562927	22.989	ng/ul 99
60) 4-Nitroaniline	15.13	138	6548	1.168	ng/ul# 14
69) Phenanthrene	16.87	178	2746574	74.036	ng/ul 99
71) Anthracene	16.96	178	540299	14.354	ng/ul 98
76) Fluoranthene	18.90	202	668690	15.793	ng/ul 99
79) Pyrene	19.26	202	1017095	22.511	ng/ul 98
82) Benzo(a)anthracene	21.08	228	296341	6.934	ng/ul 95
84) Chrysene	21.08	228	296341	6.966	ng/ul 99
87) Benzo(b)fluoranthene	22.54	252	197839	4.813	ng/ul 97
88) Benzo(k)fluoranthene	22.54	252	197839	4.888	ng/ul 97
90) Benzo(a)pyrene	23.07	252	230556	6.054	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.22	276	82362	1.819	ng/ul# 92

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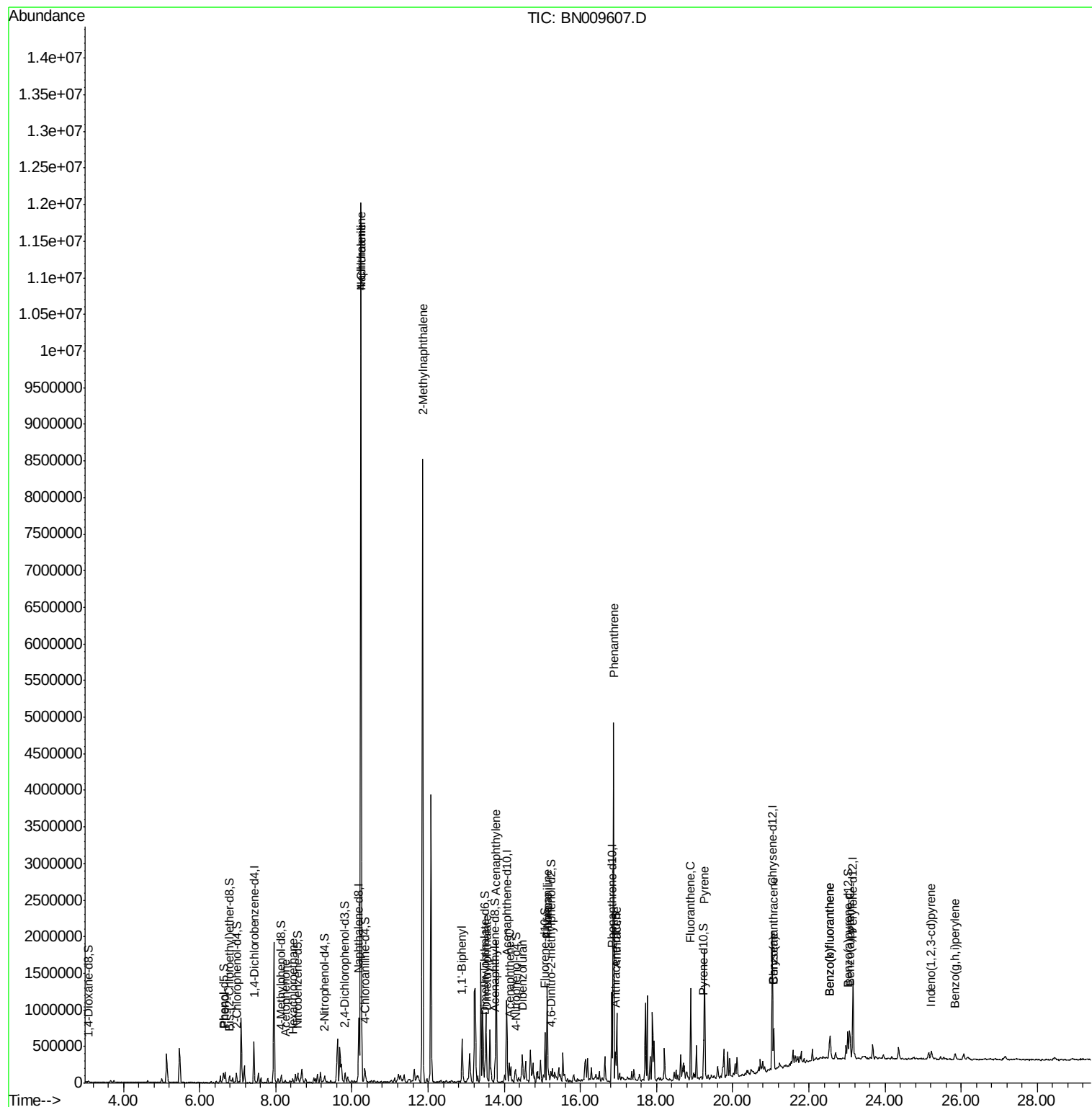
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	25.84	276	81684	2.153	ng/ul	95

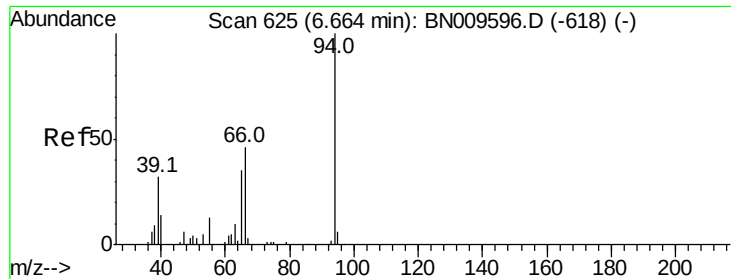
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:39:56 2020
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#6

Phenol

Concen: 1.194 ng/ul

RT: 6.66 min Scan# 624

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

ClientSampleId :

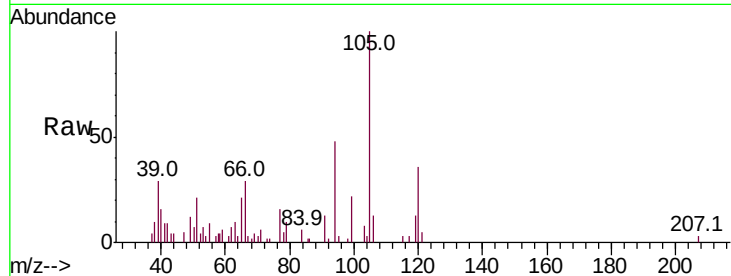
Tot Ion: 94 Resp: 14076

Ion Ratio Lower Upper

94 100

65 43.9 29.8 44.6

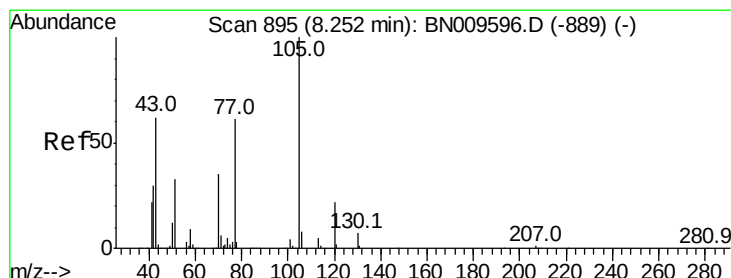
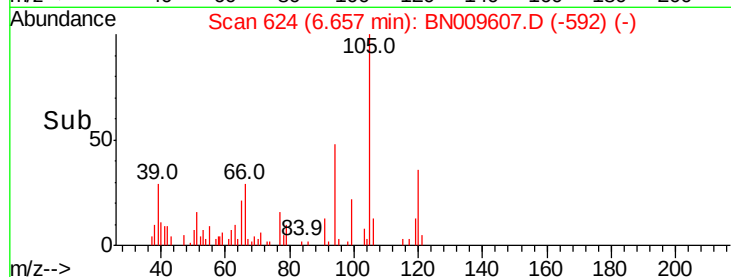
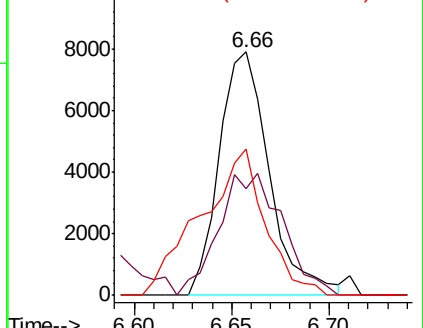
66 60.0 39.5 59.3#



Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#14

Acetophenone

Concen: 1.328 ng/ul

RT: 8.25 min Scan# 895

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

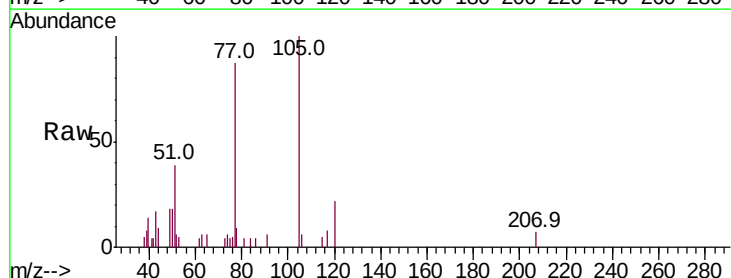
Tgt Ion:105 Resp: 18671

Ion Ratio Lower Upper

105 100

77 87.3 67.7 101.5

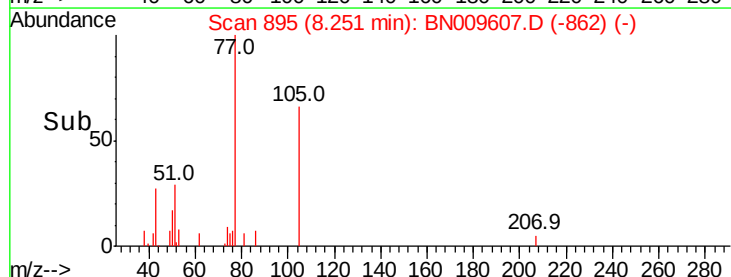
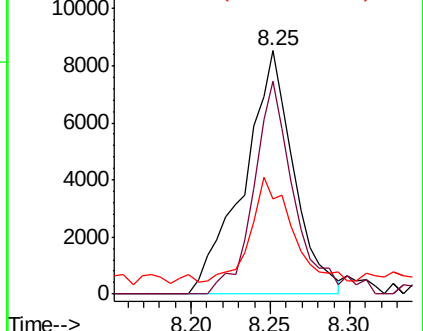
51 38.9 34.3 51.5

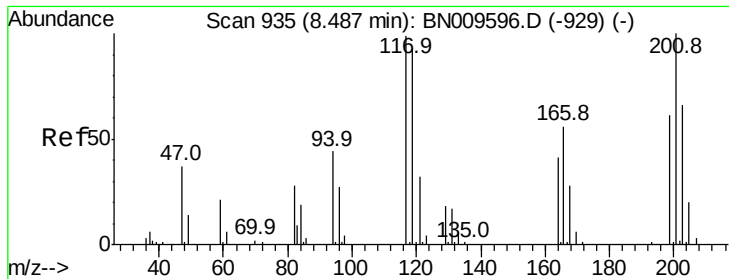


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BN0

Ion 51.00 (50.70 to 51.70): BN0





#17

Hexachloroethane

Concen: 3.404 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. -0.05 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

ClientSampleId :

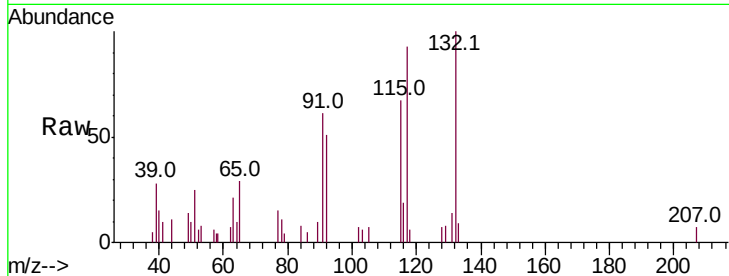
Tot Ion:117 Resp: 13003

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

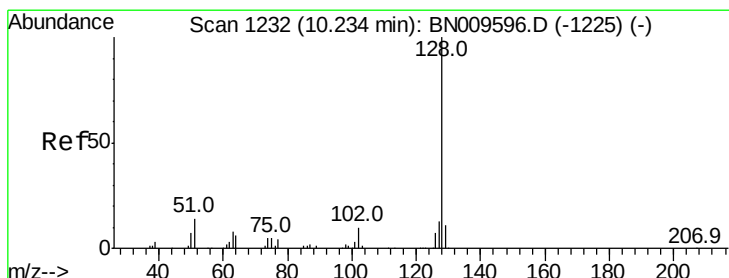
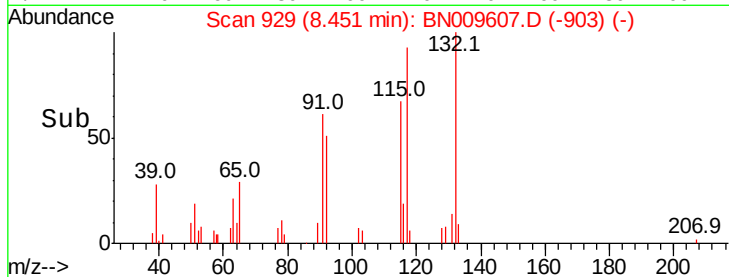
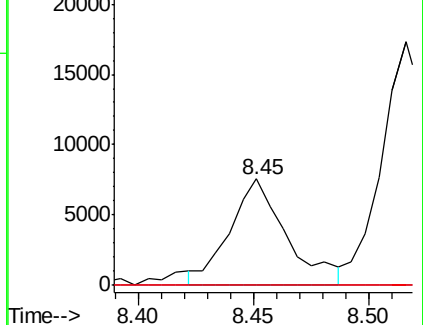
199 0.0 49.0 73.4#



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: 304.120 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

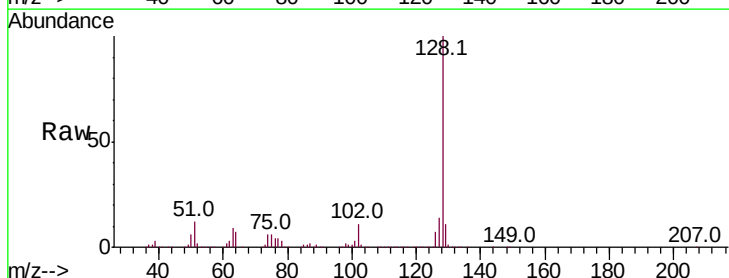
Tgt Ion:128 Resp: 8758839

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

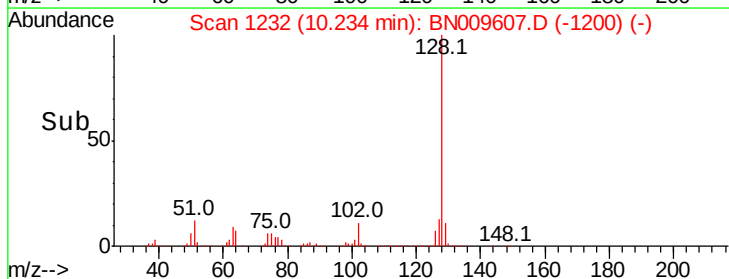
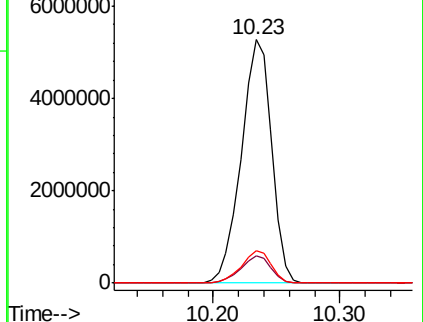
127 13.5 10.7 16.1

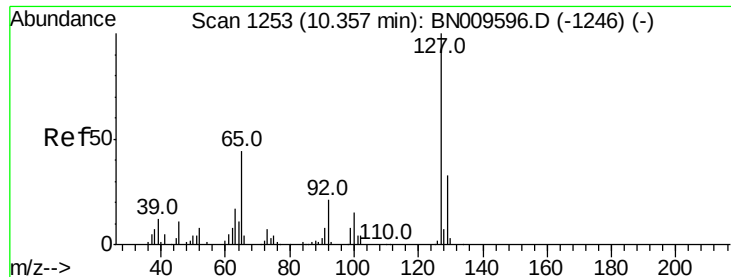


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

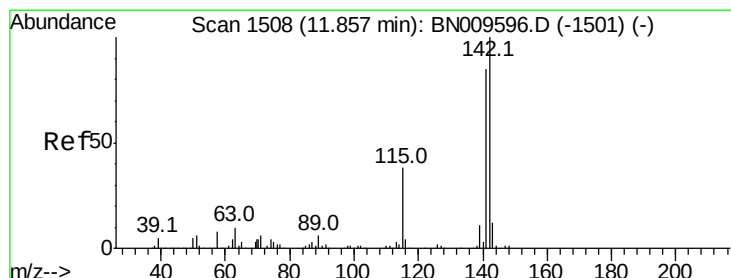
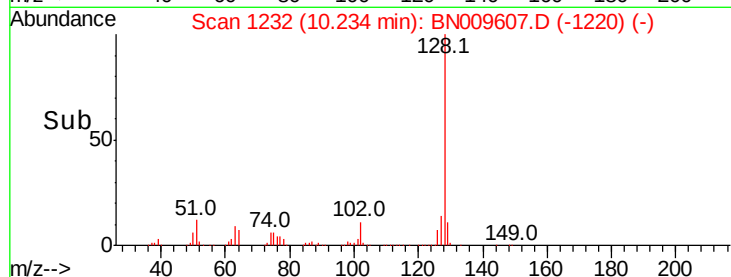
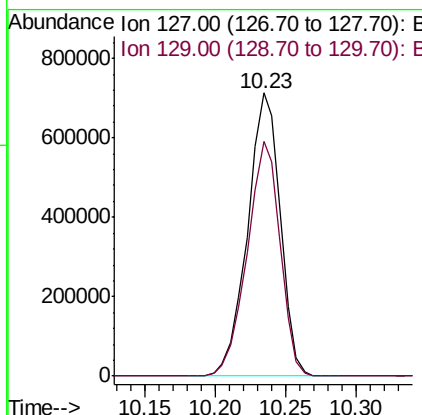
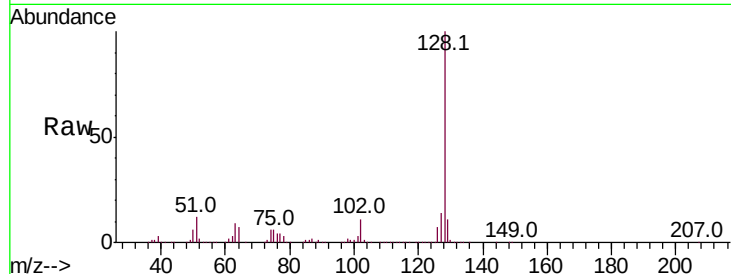




#30
 4-Chloroaniline
 Concen: 126.468 ng/ul
 RT: 10.23 min Scan# 1232
 Delta R.T. -0.13 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

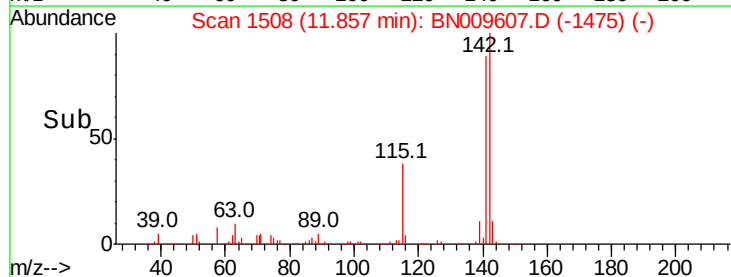
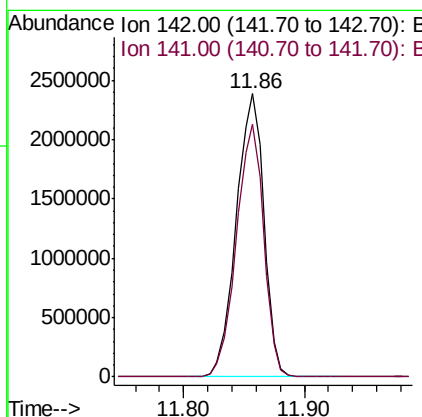
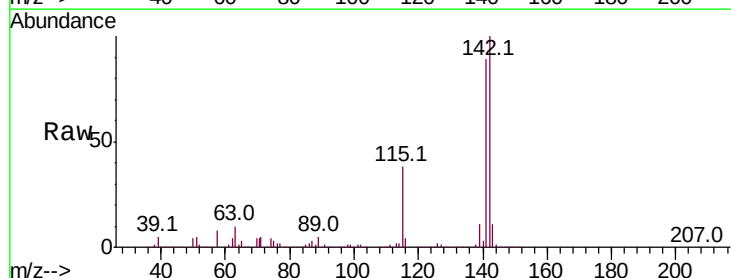
Instrument :
 BNA_N
 ClientSampleId :

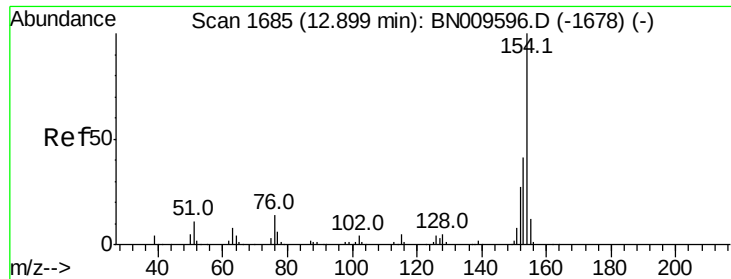
Tot Ion:127 Resp: 1159467
 Ion Ratio Lower Upper
 127 100
 129 82.8 25.2 37.8#



#34
 2-Methylnaphthalene
 Concen: 189.328 ng/ul
 RT: 11.86 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Tgt Ion:142 Resp: 3815922
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.5 107.3

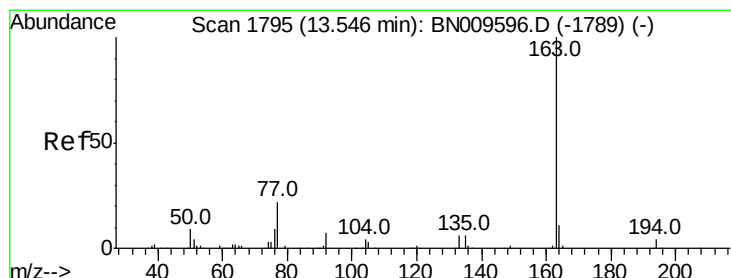
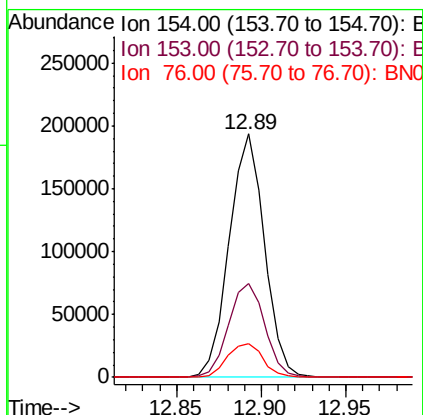
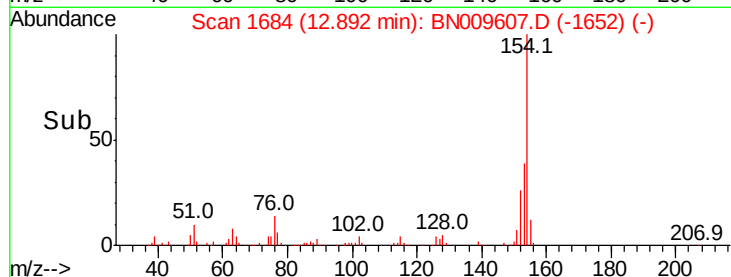
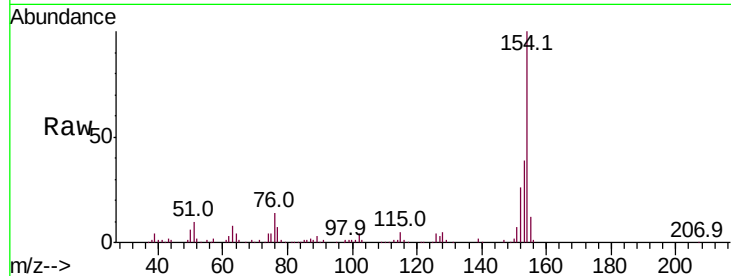




#40
 1,1'-Biphenyl
 Concen: 11.275 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

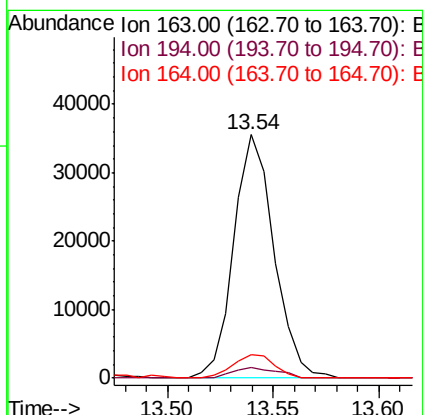
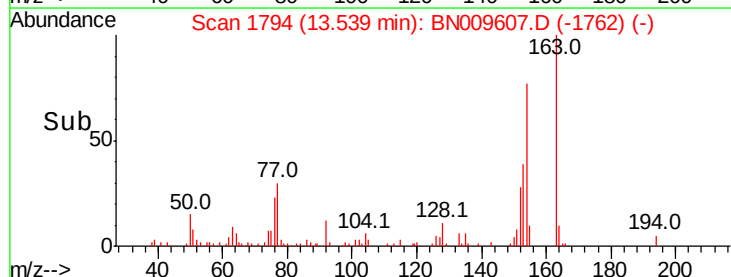
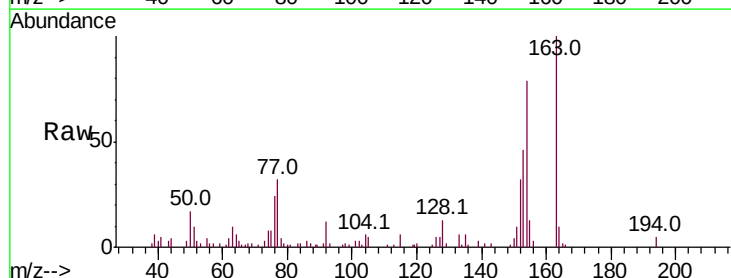
Instrument :
 BNA_N
 ClientSampled :

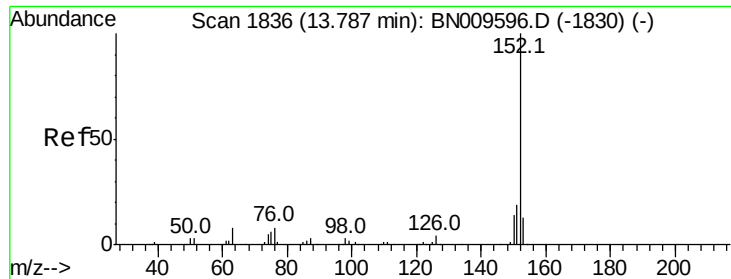
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.7	31.2	46.8
76	13.8	11.4	17.2



#44
 Dimethylphthalate
 Concen: 1.890 ng/ul
 RT: 13.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.6	8.0	12.0





#47

Acenaphthylene

Concen: 35.052 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

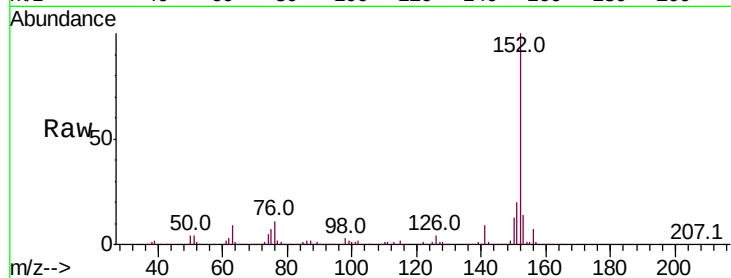
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 1084920

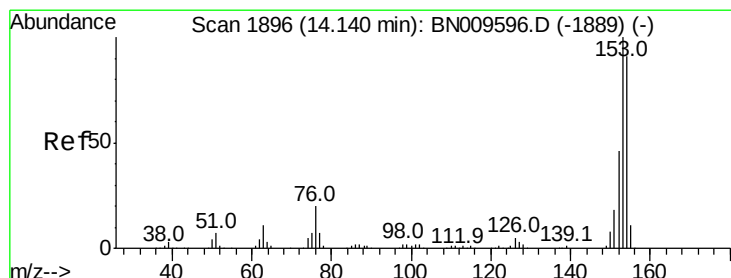
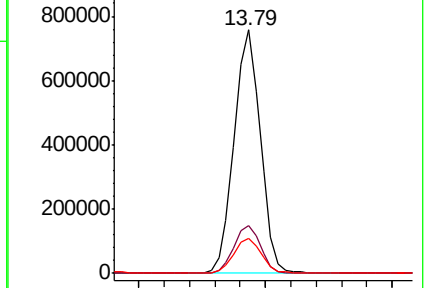
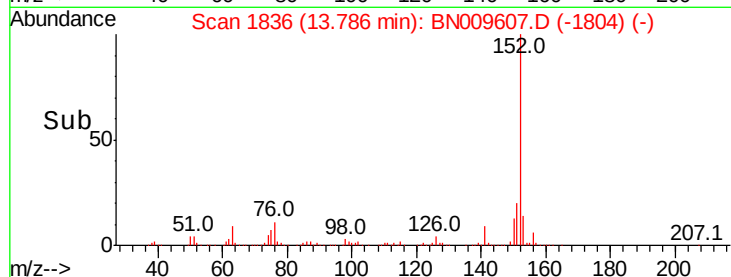
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	14.2	10.6	15.8



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: 4.141 ng/ul

RT: 14.13 min Scan# 1895

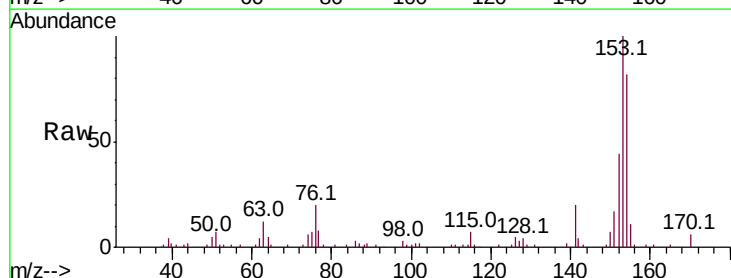
Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Tgt Ion:153 Resp: 87123

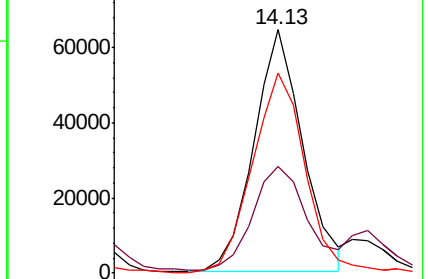
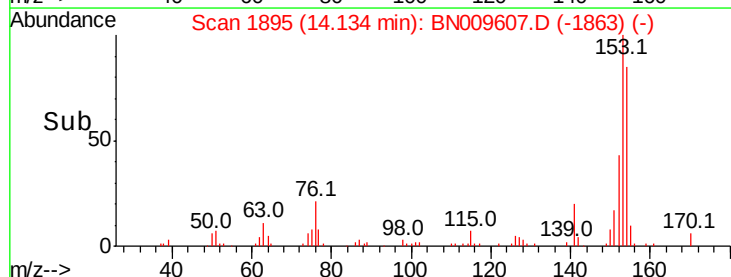
Ion	Ratio	Lower	Upper
153	100		
152	43.9	37.3	55.9
154	82.1	70.2	105.2

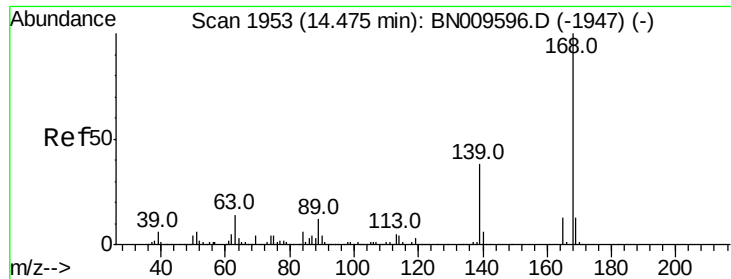


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 3.640 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

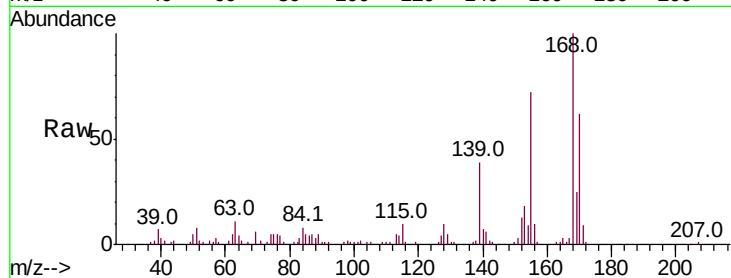
ClientSampleId :

Tot Ion:168 Resp: 106647

Ion Ratio Lower Upper

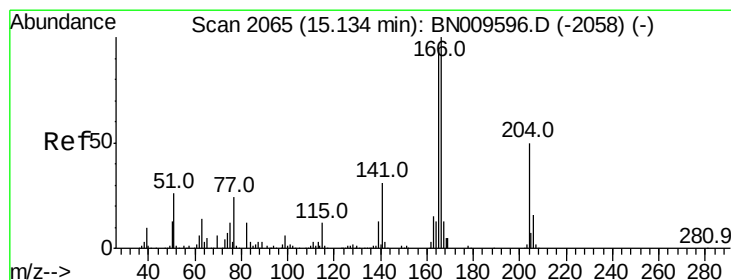
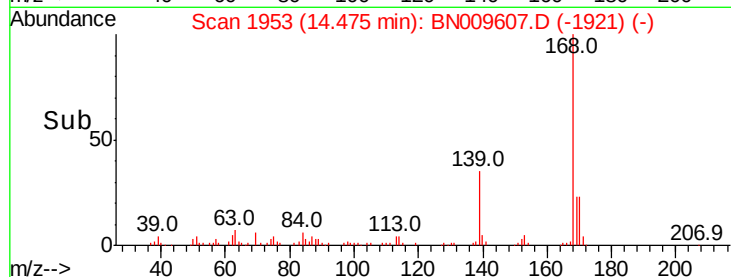
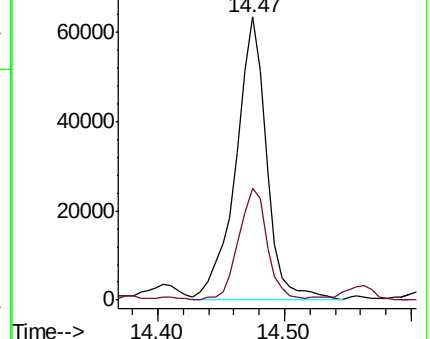
168 100

139 39.4 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: 22.989 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

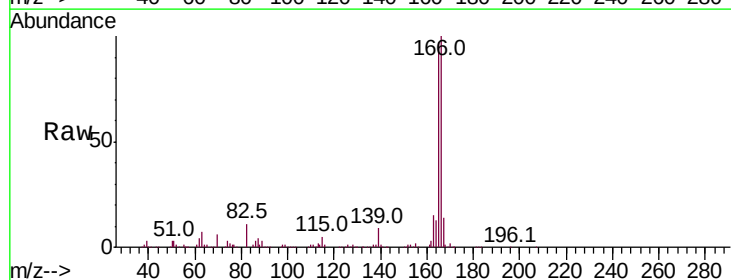
Tgt Ion:166 Resp: 562927

Ion Ratio Lower Upper

166 100

165 97.5 76.7 115.1

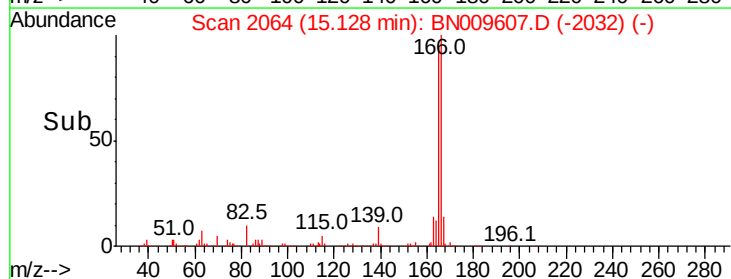
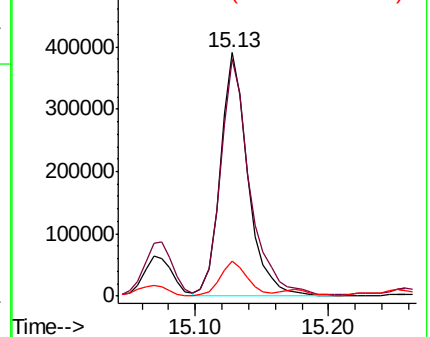
167 14.2 11.1 16.7

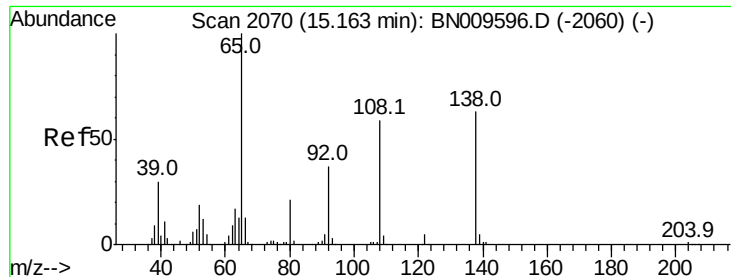


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

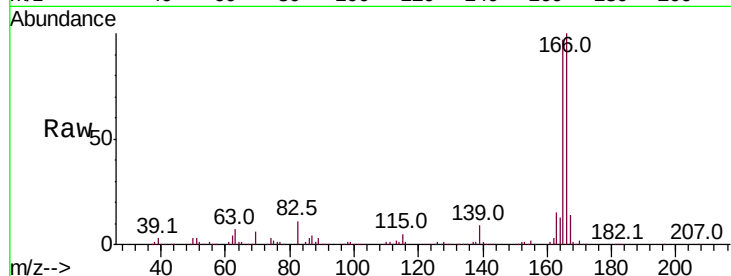




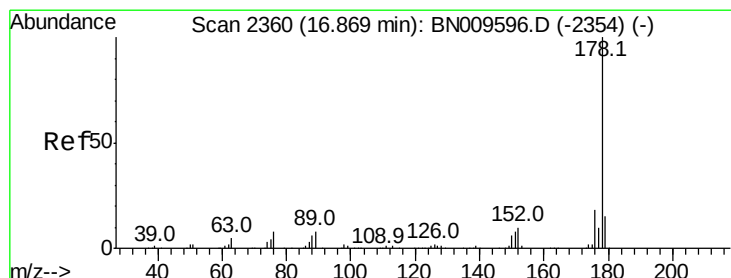
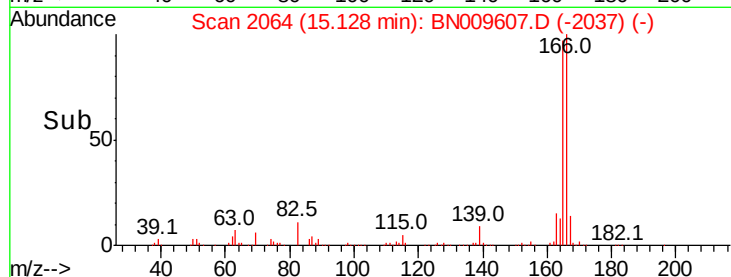
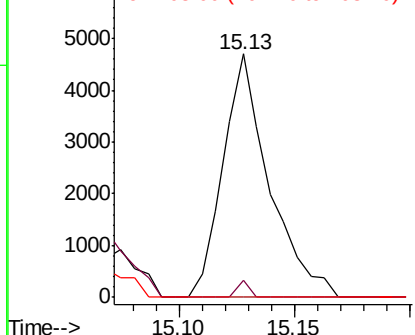
#60
4-Nitroaniline
Concen: 1.168 ng/ul
RT: 15.13 min Scan# 2064
Delta R.T. -0.04 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:138 Resp: 6548
Ion Ratio Lower Upper
138 100
92 7.0 46.1 69.1#
108 0.0 75.1 112.7#

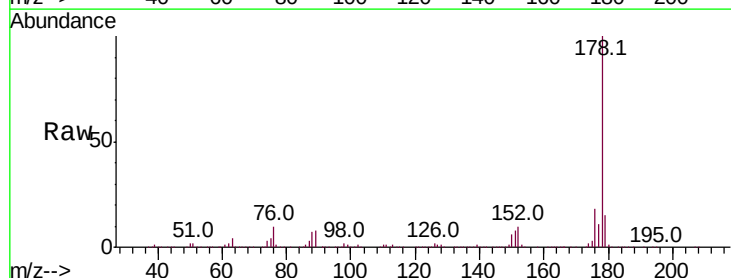


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): B
Ion 108.00 (107.70 to 108.70): E

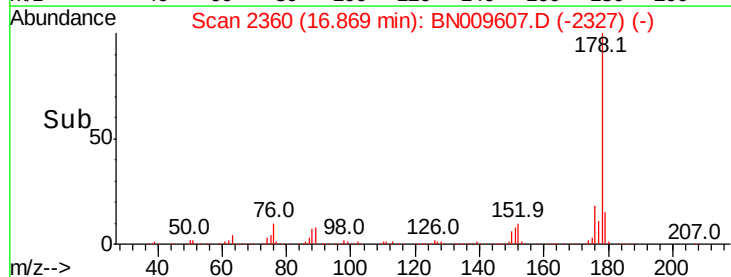
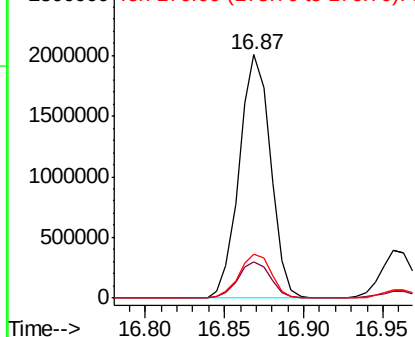


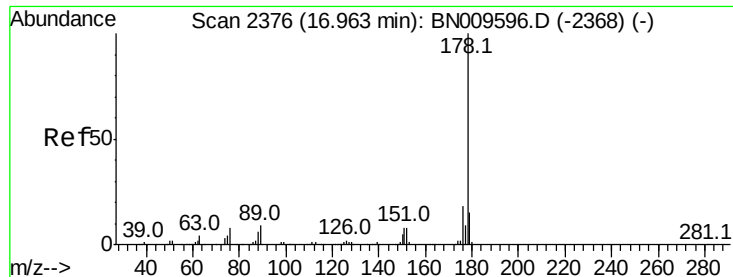
#69
Phenanthrene
Concen: 74.036 ng/ul
RT: 16.87 min Scan# 2360
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion:178 Resp: 2746574
Ion Ratio Lower Upper
178 100
179 14.7 12.2 18.2
176 18.0 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

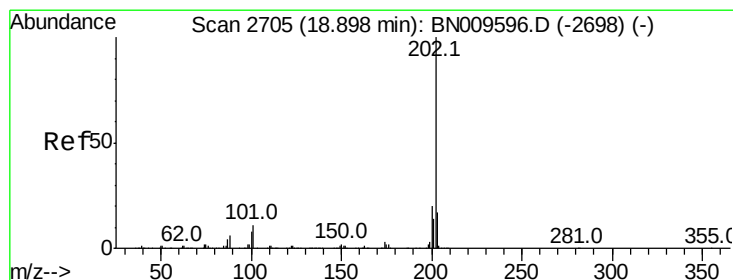
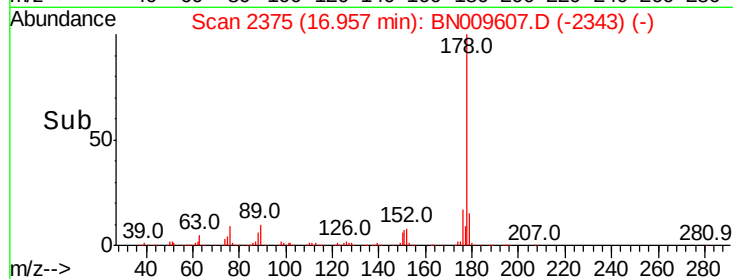
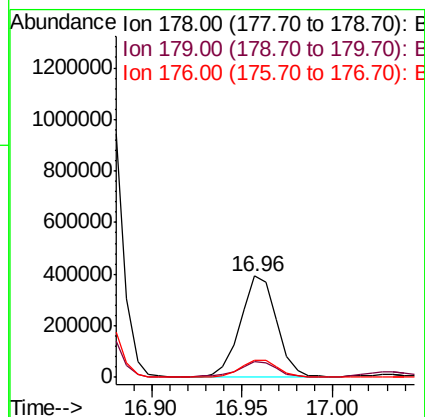
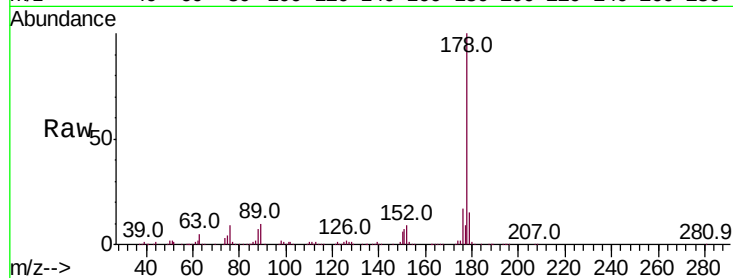




#71
 Anthracene
 Concen: 14.354 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

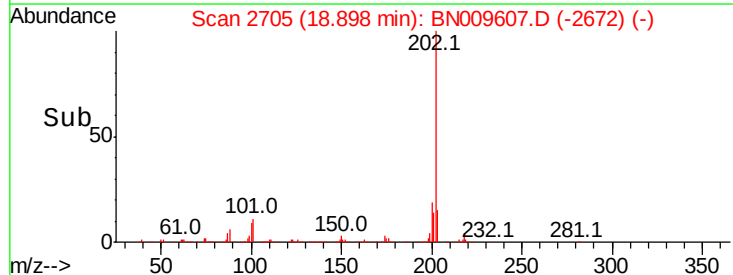
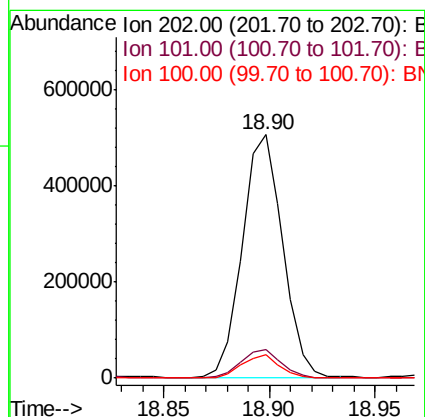
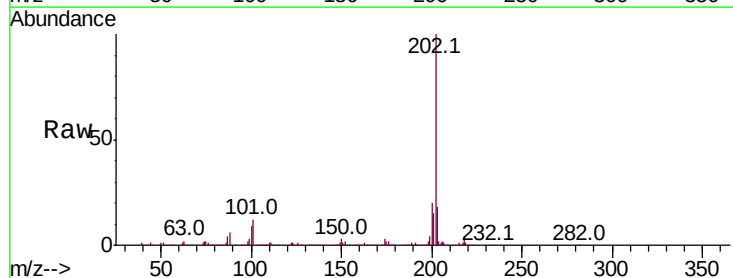
Instrument :
 BNA_N
 ClientSampleId :

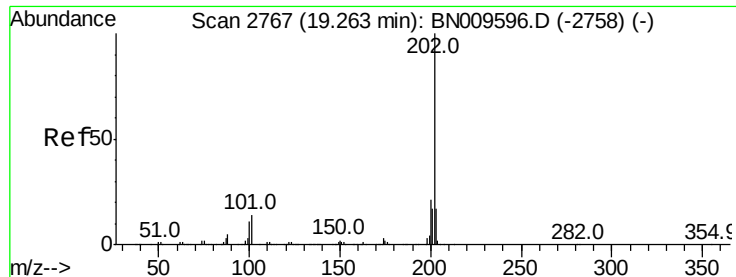
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	16.8	14.6	21.8



#76
 Fluoranthene
 Concen: 15.793 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.2	13.8
100	9.4	6.9	10.3

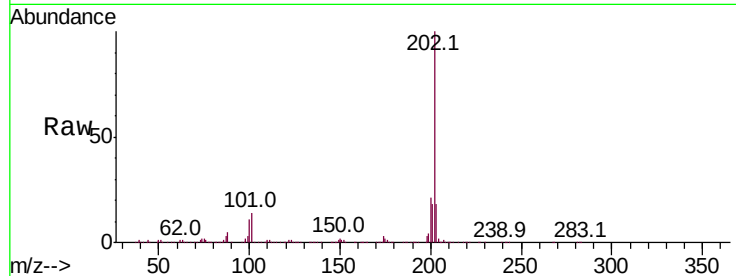




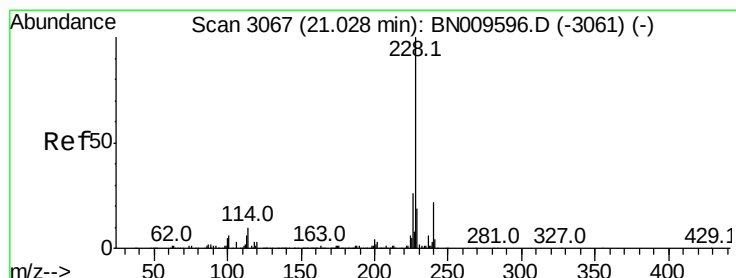
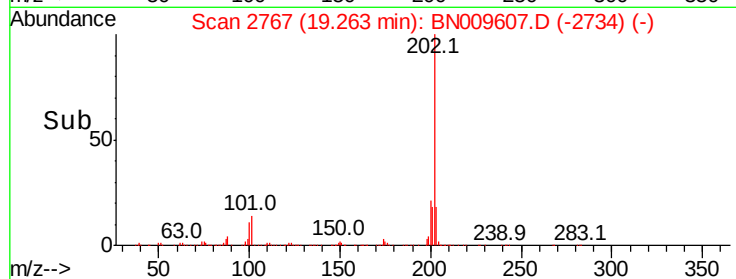
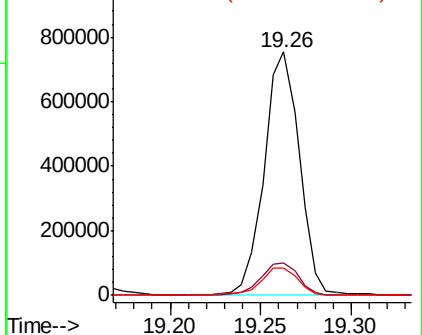
#79
Pvrene
Concen: 22.511 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 1017095
Ion Ratio Lower Upper
202 100
101 13.5 10.3 15.5
100 11.2 8.4 12.6

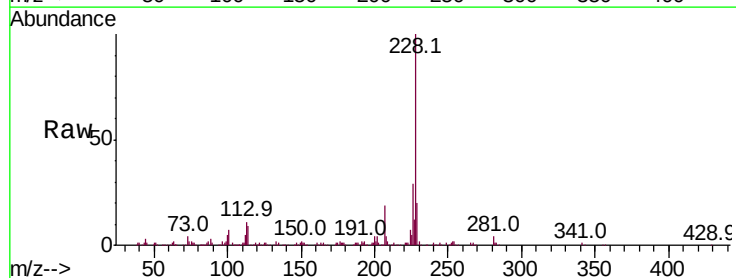


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

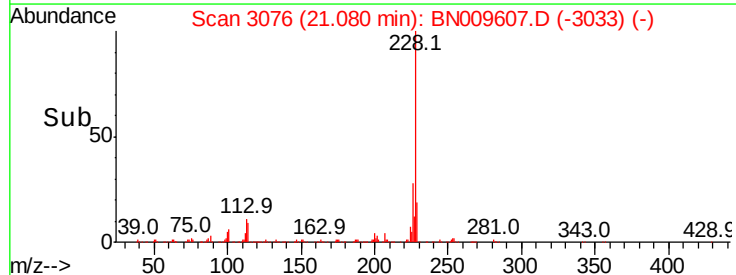
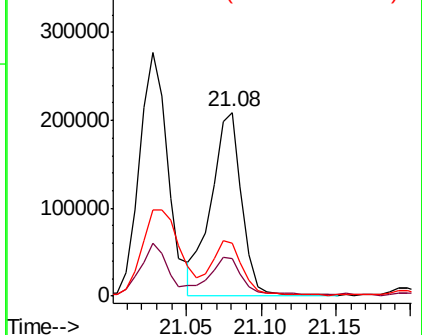


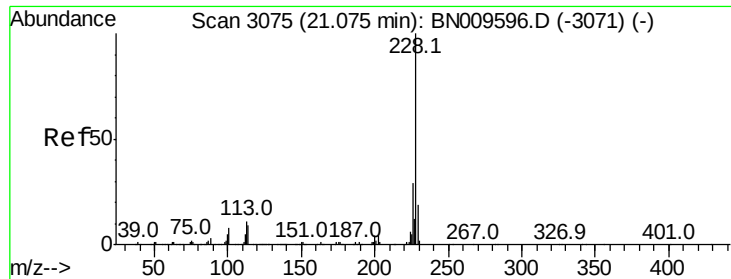
#82
Benzo(a)anthracene
Concen: 6.934 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.05 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion:228 Resp: 296341
Ion Ratio Lower Upper
228 100
229 20.3 15.0 22.4
226 29.1 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

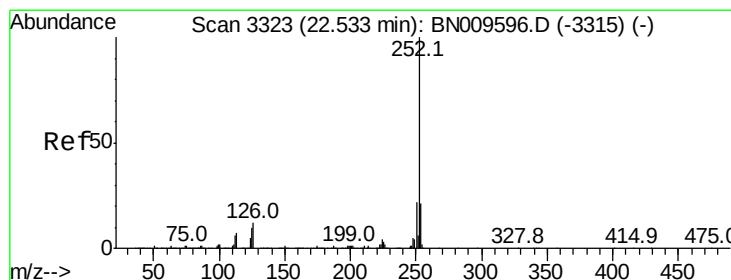
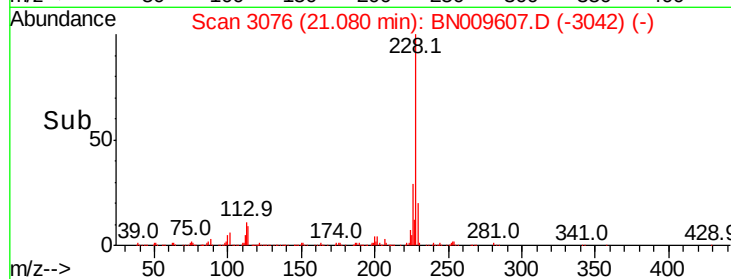
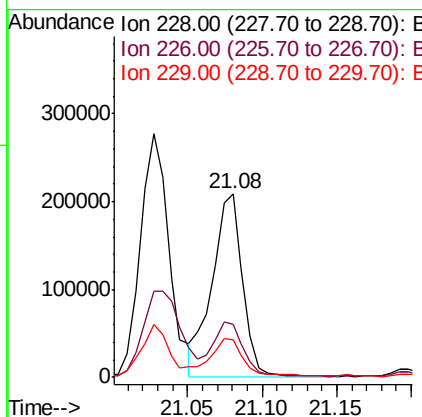
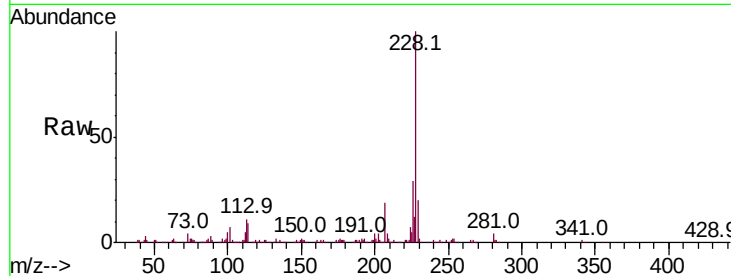




#84
 Chrysene
 Concen: 6.966 ng/ul
 RT: 21.08 min Scan# 3076
 Delta R.T. -0.00 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

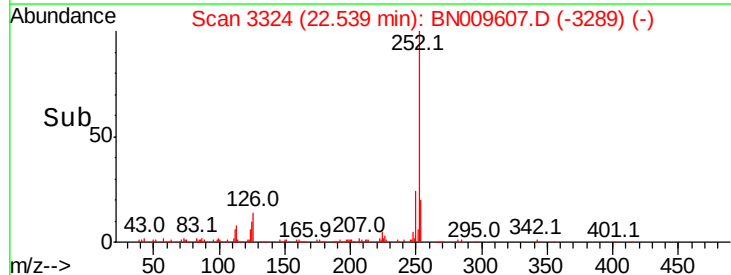
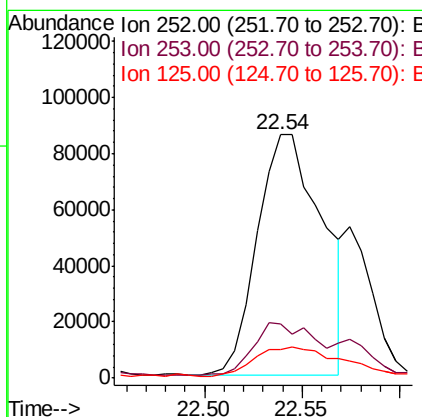
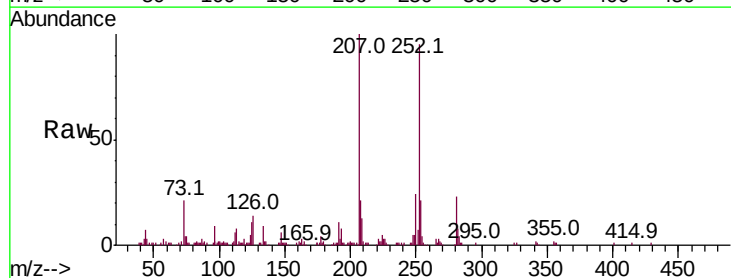
Instrument :
 BNA_N
 ClientSampleId :

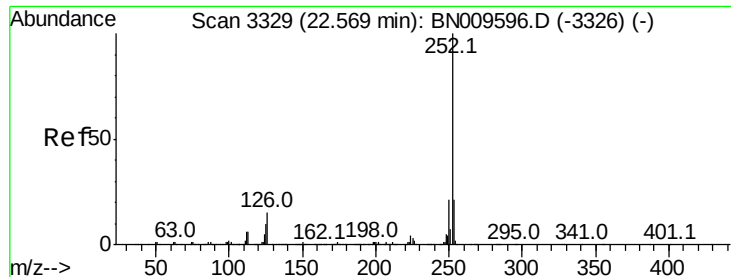
Tot Ion:	228	Resp:	296341
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	20.3	15.8	23.8



#87
 Benzo(b)fluoranthene
 Concen: 4.813 ng/ul
 RT: 22.54 min Scan# 3324
 Delta R.T. 0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Tgt Ion:	252	Resp:	197839
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.7	8.2	12.2

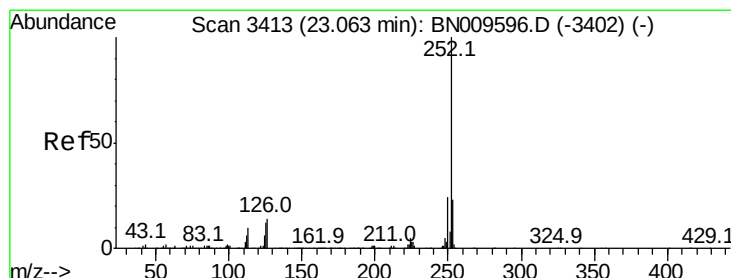
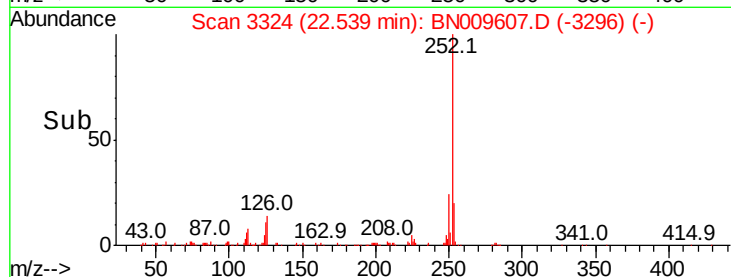
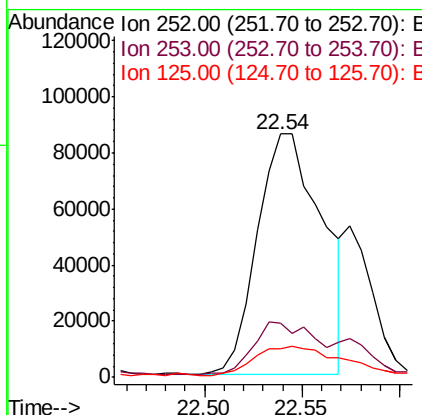
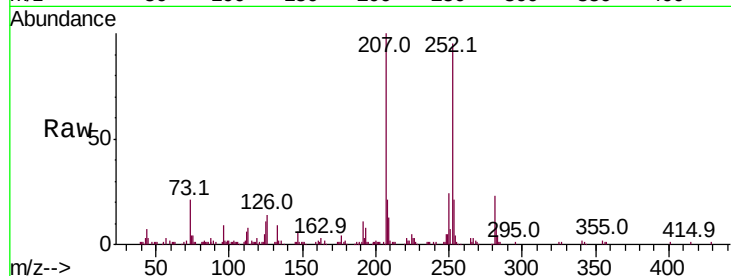




#88
Benzo(k)fluoranthene
Concen: 4.888 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.04 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

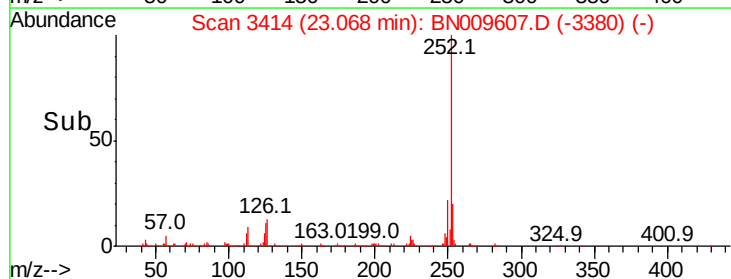
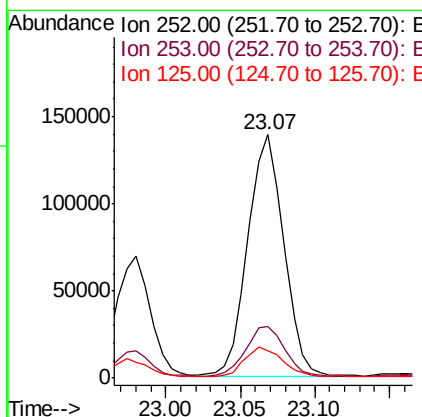
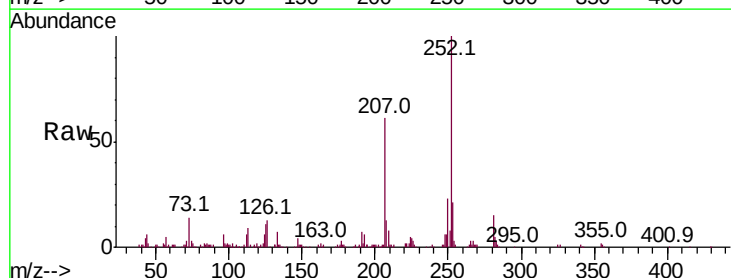
Instrument :
BNA_N
ClientSampleId :

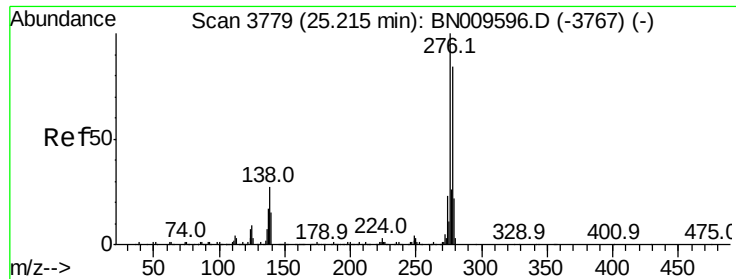
Tot Ion:	252	Resp:	197839
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.7	8.0	12.0



#90
Benzo(a)pyrene
Concen: 6.054 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. -0.00 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion:	252	Resp:	230556
Ion	Ratio	Lower	Upper
252	100		
253	21.2	15.8	23.8
125	11.4	8.7	13.1

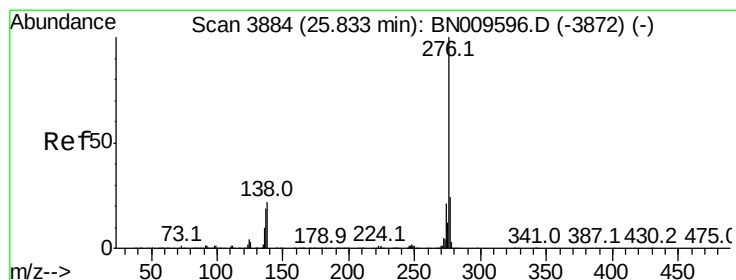
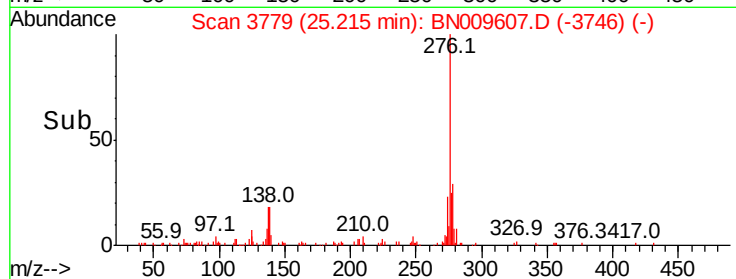
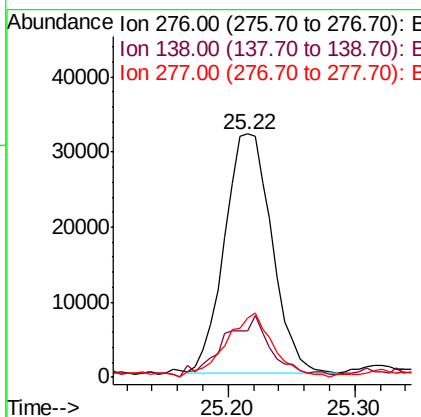
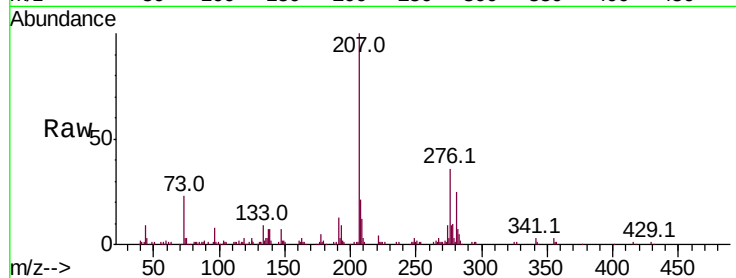




#91
Indeno(1,2,3-cd)pyrene
Concen: 1.819 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	20.3	30.5#
277	24.3	21.2	31.8



#93
Benzo(g,h,i)perylene
Concen: 2.153 ng/ul
RT: 25.84 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	16.0	24.0
277	22.4	17.0	25.6

