

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009651.D
 Acq On : 07 Feb 2020 18:02
 Operator : CG/JU
 Sample : L1324-03DL 10X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 07 23:19:53 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	140871	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	580315	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	361423	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	743454	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	711769	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	716488	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	666	0.19	ng/uL	0.02
5) Phenol-d5	6.65	99	16626	1.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	12089	1.46	ng/ul	0.01
9) 2-Chlorophenol-d4	6.98	132	13560	1.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	13267	1.36	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	6752	1.56	ng/ul	0.02
22) 2-Nitrophenol-d4	9.29	143	5765	1.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	12361	1.37	ng/ul	0.02
29) 4-Chloroaniline-d4	10.36	131	9988	1.03	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	46878	1.78	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	53507	1.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	1632	0.33	ng/ul	0.02
57) Fluorene-d10	15.07	176	42859	1.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	2959	0.64	ng/ul	0.01
70) Anthracene-d10	16.93	188	65585	1.94	ng/ul	0.00
78) Pyrene-d10	19.23	212	70611	1.89	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	68068	1.93	ng/ul	0.00

Target Compounds

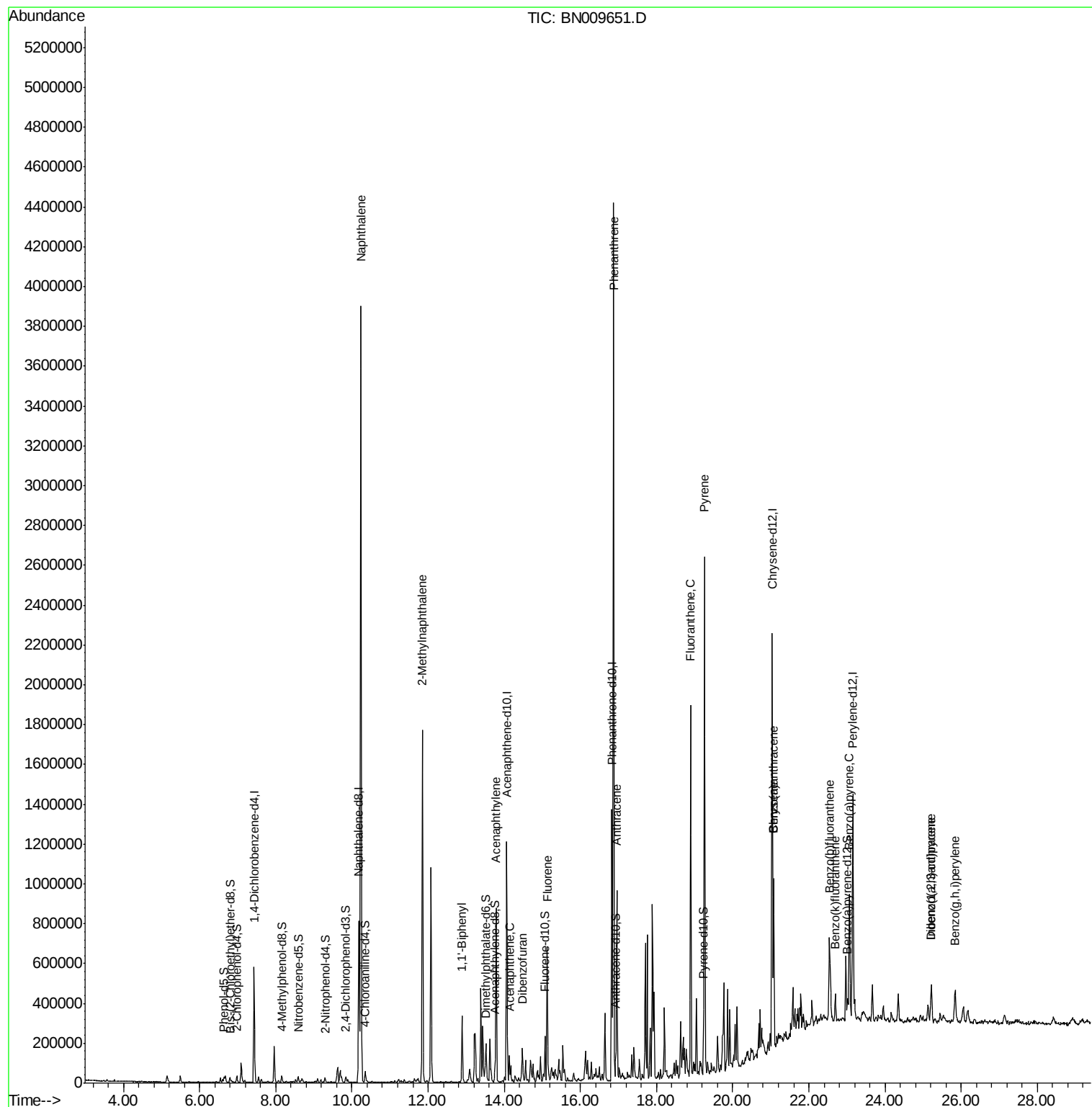
					Ovalue	
28) Naphthalene	10.23	128	2805175	89.138	ng/ul	99
34) 2-Methylnaphthalene	11.85	142	765086	34.740	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	158698	5.640	ng/ul	99
47) Acenaphthylene	13.79	152	518024	14.849	ng/ul	98
49) Acenaphthene	14.13	153	49152	2.072	ng/ul	99
53) Dibenzofuran	14.47	168	59209	1.793	ng/ul	95
58) Fluorene	15.13	166	301758	10.933	ng/ul	99
69) Phenanthrene	16.87	178	2366052	55.805	ng/ul	100
71) Anthracene	16.96	178	534093	12.415	ng/ul	99
76) Fluoranthene	18.90	202	1005341	20.776	ng/ul	99
79) Pyrene	19.26	202	1473989	28.368	ng/ul	99
82) Benzo(a)anthracene	21.07	228	423778	8.623	ng/ul	96
84) Chrysene	21.07	228	423778	8.662	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	320470	7.149	ng/ul	96
88) Benzo(k)fluoranthene	22.69	252	87468	1.981	ng/ul	95
90) Benzo(a)pyrene	23.06	252	365593	8.802	ng/ul#	92
91) Indeno(1,2,3-cd)pyrene	25.22	276	142622	2.888	ng/ul	97
92) Dibenzo(a,h)anthracene	25.22	278	41606	1.001	ng/ul	97
93) Benzo(g,h,i)perylene	25.83	276	154958	3.744	ng/ul	97

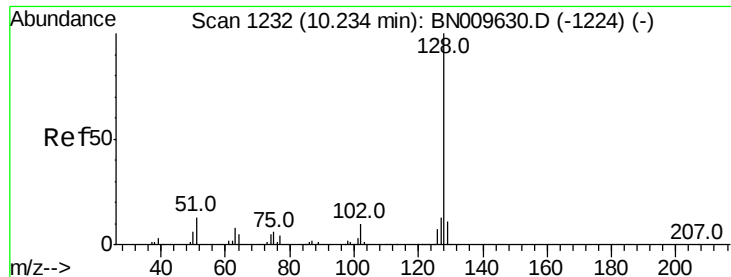
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 89.138 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

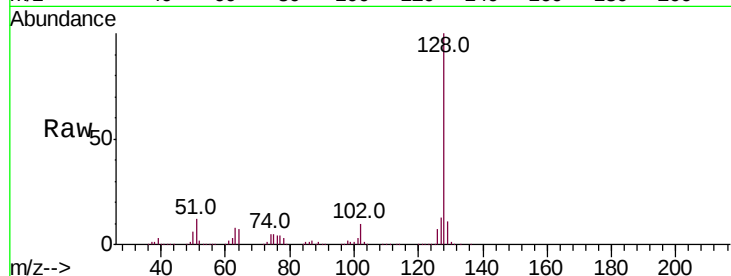
Instrument :

BNA_N

ClientSampled :

Tot Ion:128 Resp: 2805175

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.1	10.7	16.1

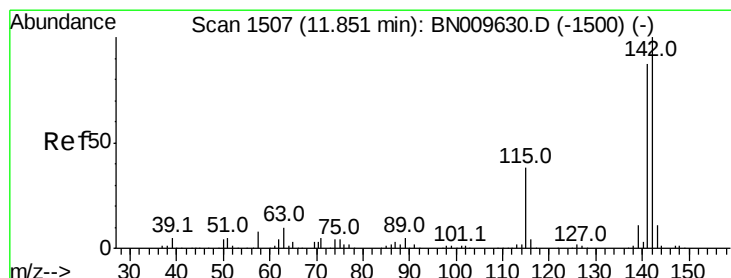
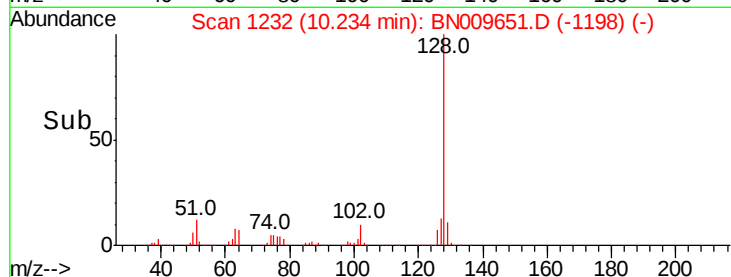
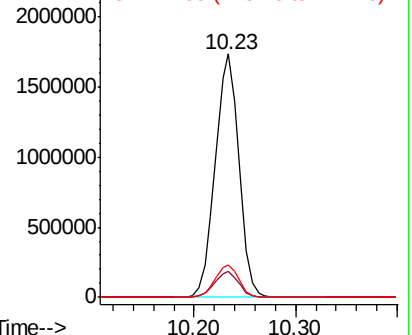


Abundance

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



#34

2-Methylnaphthalene

Concen: 34.740 ng/ul

RT: 11.85 min Scan# 1507

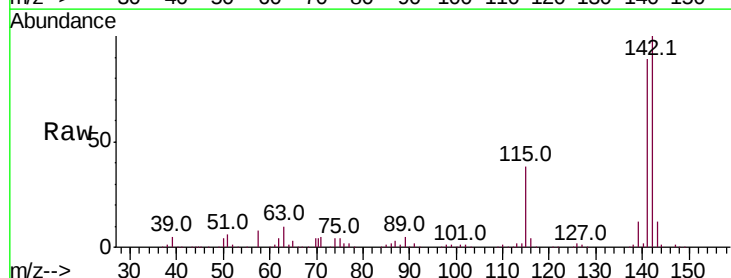
Delta R.T. -0.00 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Tgt Ion:142 Resp: 765086

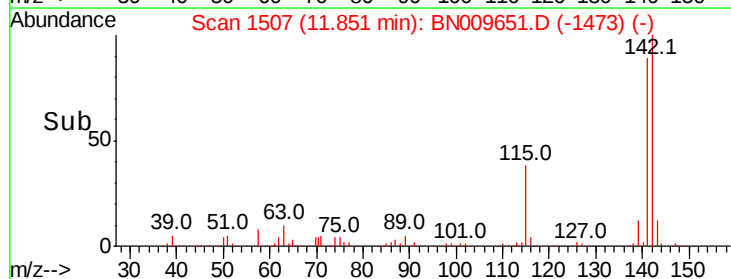
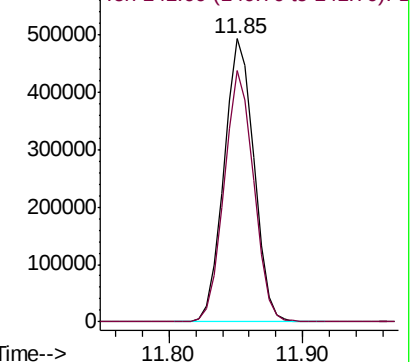
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.5	107.3

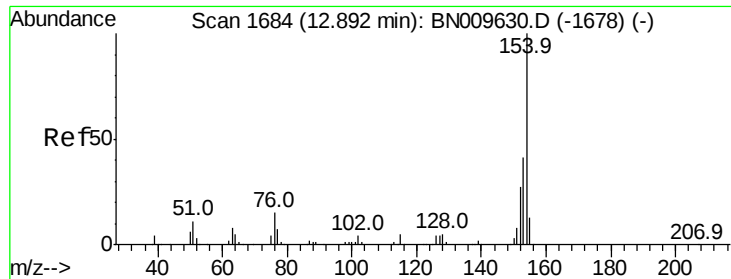


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

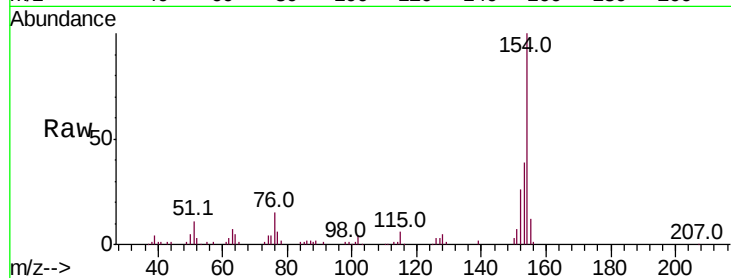




#40
 1,1'-Biphenyl
 Concen: 5.640 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BN009651.D
 Acq: 07 Feb 2020 18:02

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.3	31.2	46.8
76	15.0	11.4	17.2

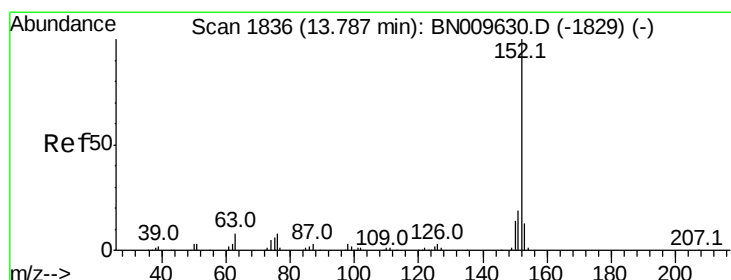
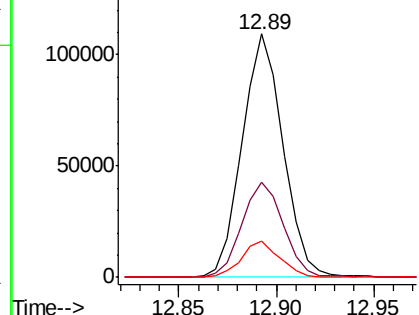
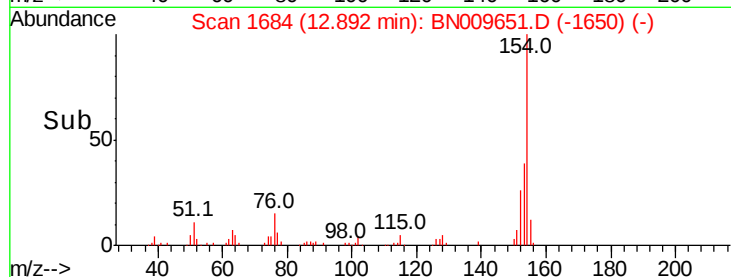


Abundance

Ion 154.00 (153.70 to 154.70): E

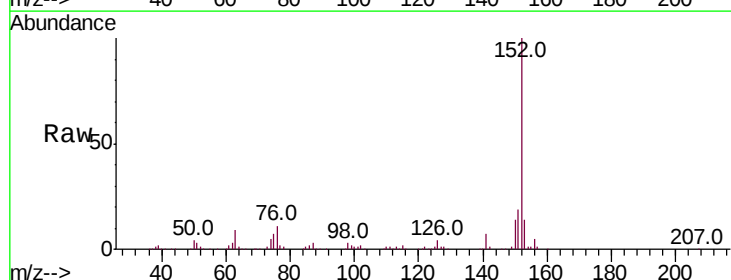
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNO



#47
 Acenaphthylene
 Concen: 14.849 ng/ul
 RT: 13.79 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BN009651.D
 Acq: 07 Feb 2020 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	14.3	10.6	15.8

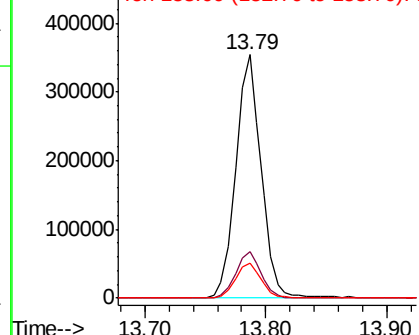
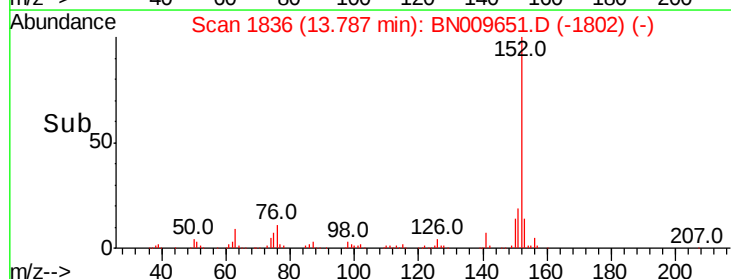


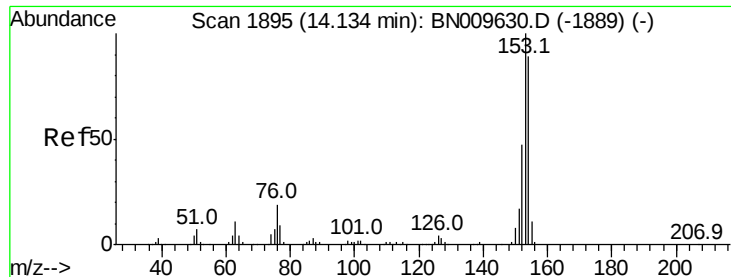
Abundance

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: 2.072 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Instrument :

BNA_N

ClientSampleId :

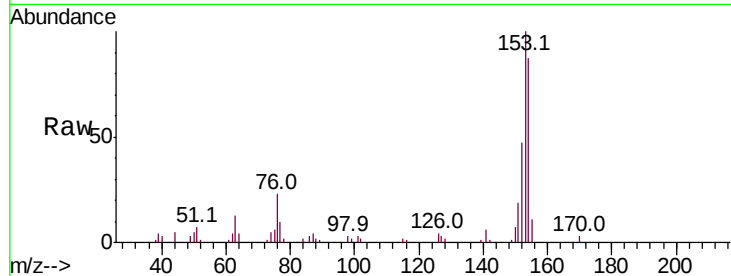
Tot Ion:153 Resp: 49152

Ion Ratio Lower Upper

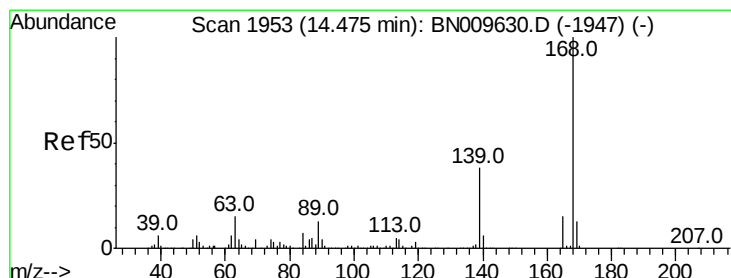
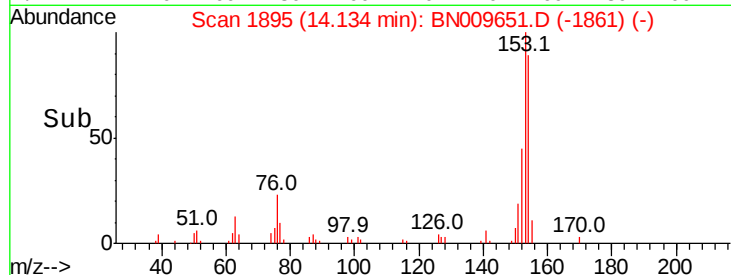
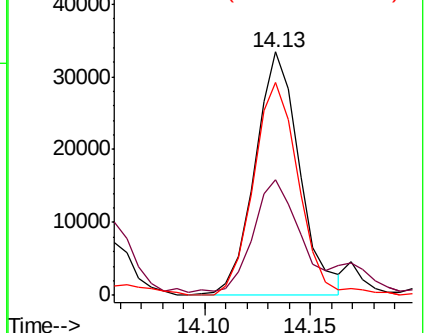
153 100

152 47.4 37.3 55.9

154 87.4 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: 1.793 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN009651.D

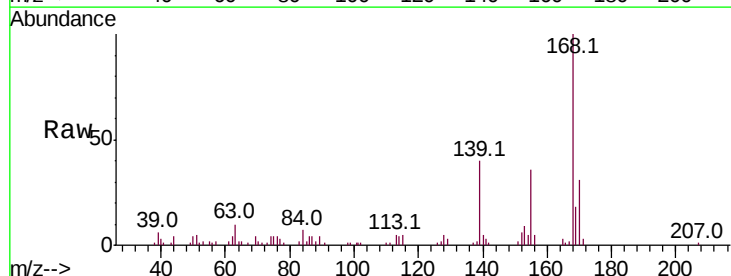
Acq: 07 Feb 2020 18:02

Tgt Ion:168 Resp: 59209

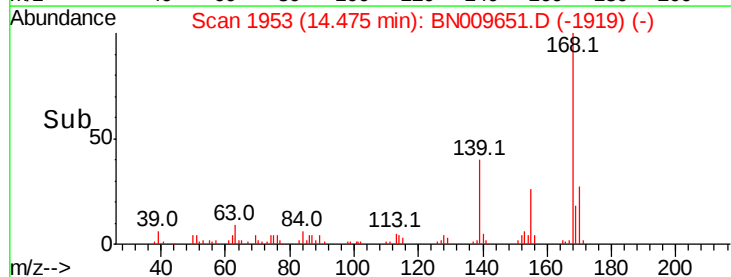
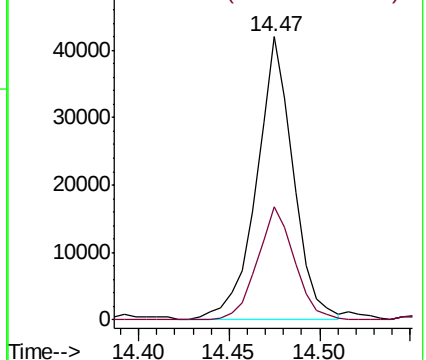
Ion Ratio Lower Upper

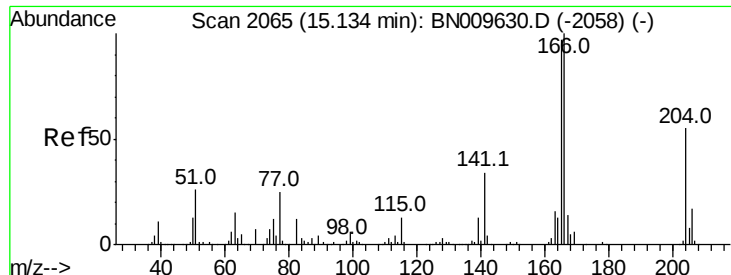
168 100

139 39.8 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: 10.933 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Instrument :

BNA_N

ClientSampleId :

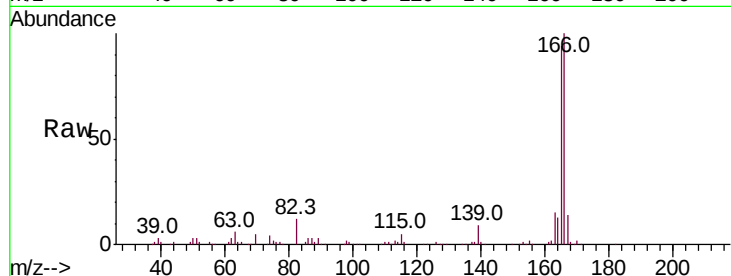
Tot Ion:166 Resp: 301758

Ion Ratio Lower Upper

166 100

165 94.4 76.7 115.1

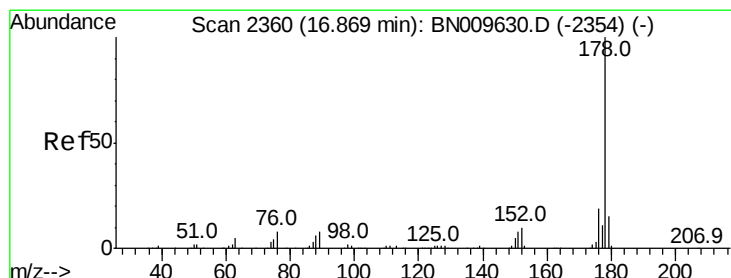
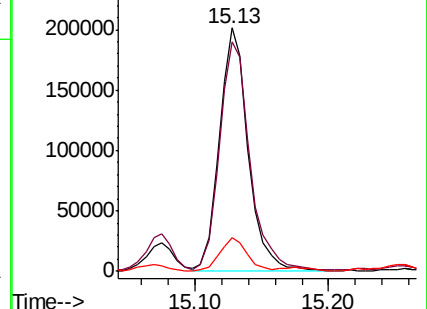
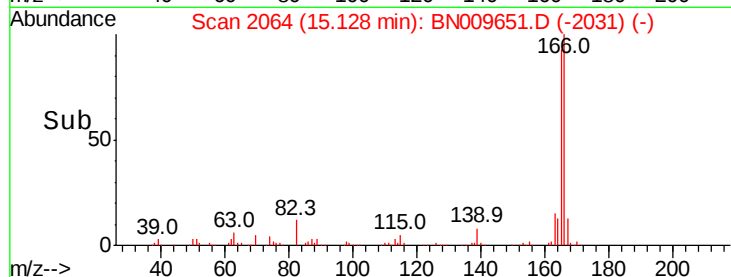
167 13.7 11.1 16.7



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: 55.805 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

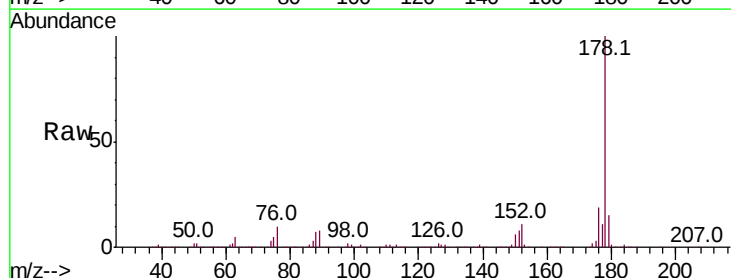
Tgt Ion:178 Resp: 2366052

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

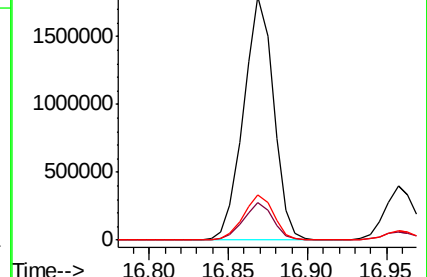
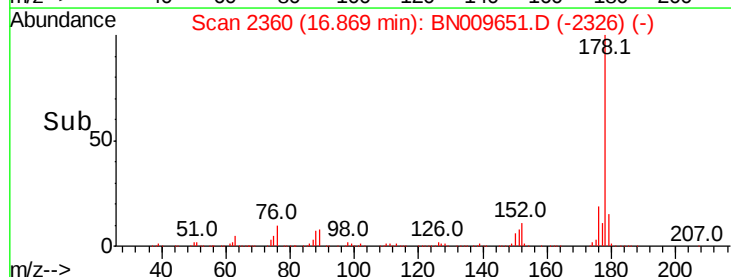
176 18.7 14.8 22.2

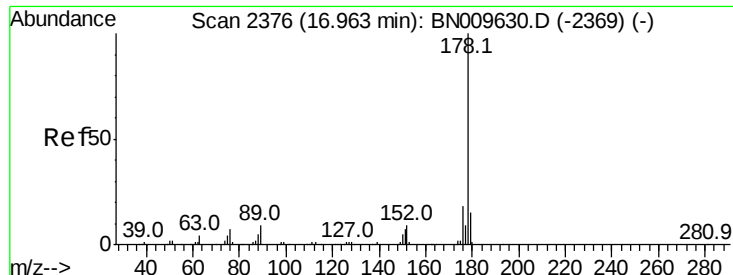


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

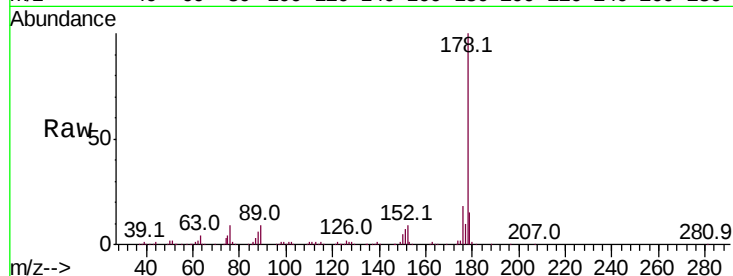




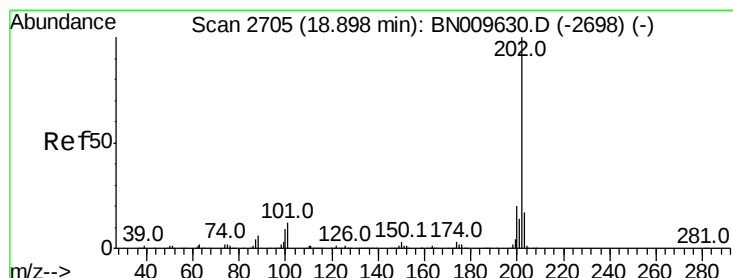
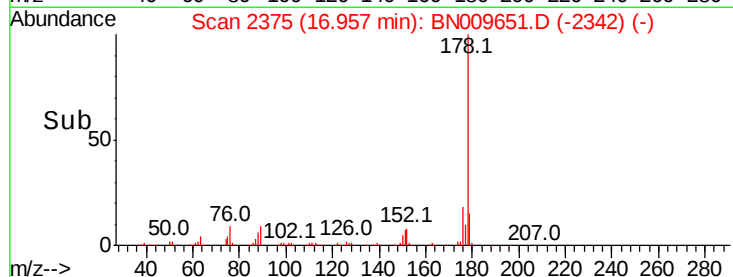
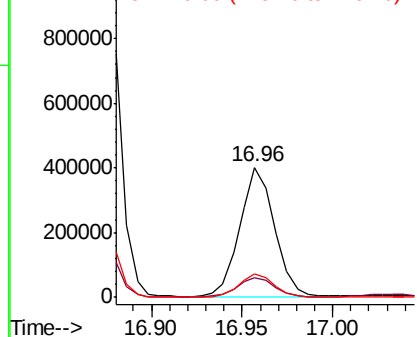
#71
 Anthracene
 Concen: 12.415 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009651.D
 Acq: 07 Feb 2020 18:02

Instrument :
 BNA_N
 ClientSampleID :

Tot Ion:178 Resp: 534093
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.1 18.1
 176 17.9 14.6 21.8

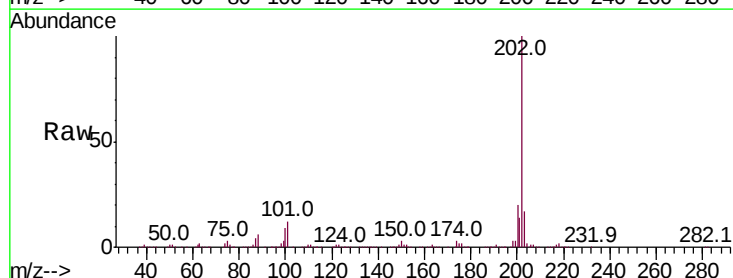


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

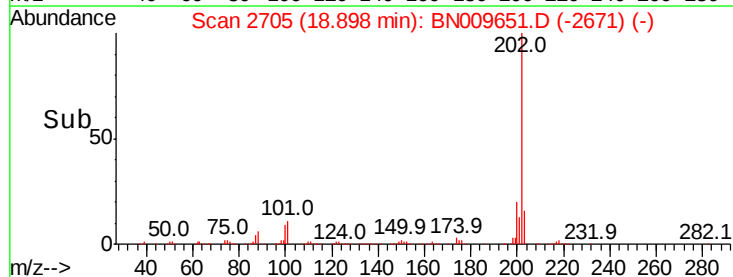
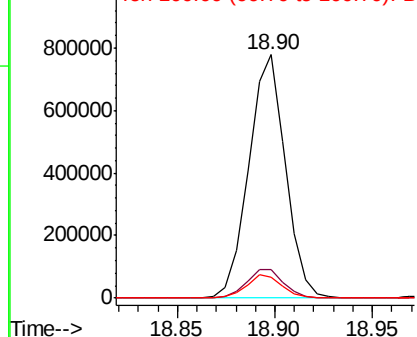


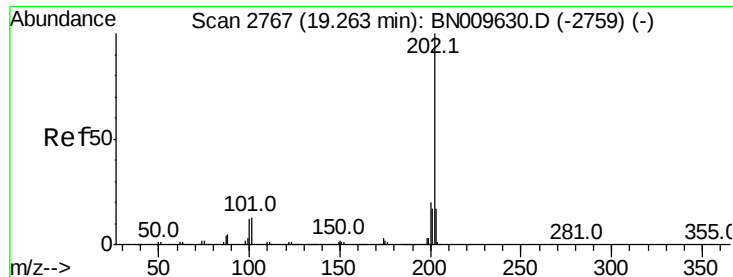
#76
 Fluoranthene
 Concen: 20.776 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. -0.00 min
 Lab File: BN009651.D
 Acq: 07 Feb 2020 18:02

Tgt Ion:202 Resp: 1005341
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.2 13.8
 100 8.8 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: 28.368 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Instrument :

BNA_N

ClientSampleId :

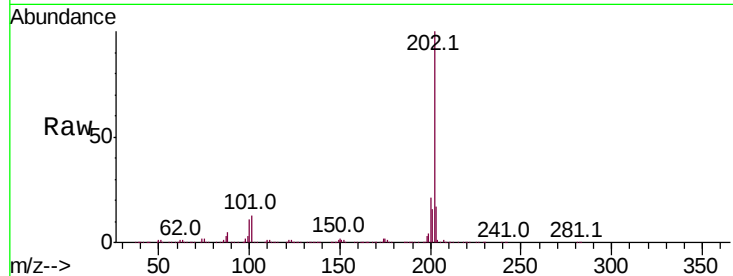
Tot Ion:202 Resp: 1473989

Ion Ratio Lower Upper

202 100

101 12.7 10.3 15.5

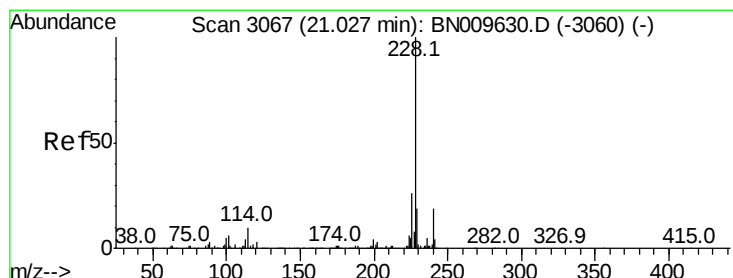
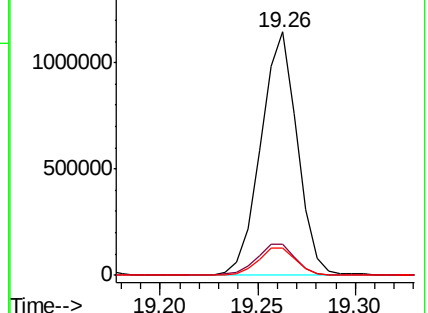
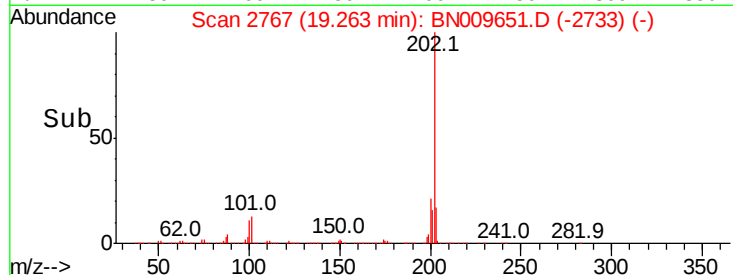
100 11.1 8.4 12.6



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: 8.623 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

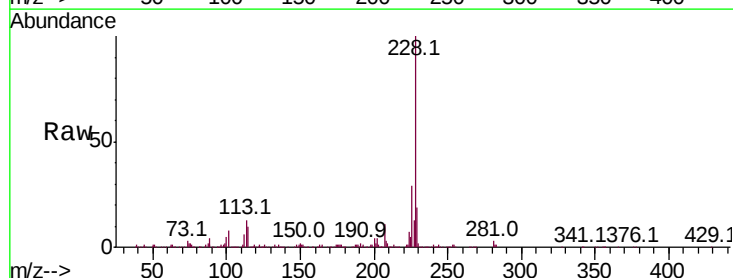
Tgt Ion:228 Resp: 423778

Ion Ratio Lower Upper

228 100

229 19.2 15.0 22.4

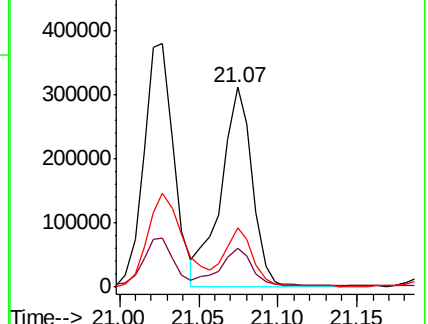
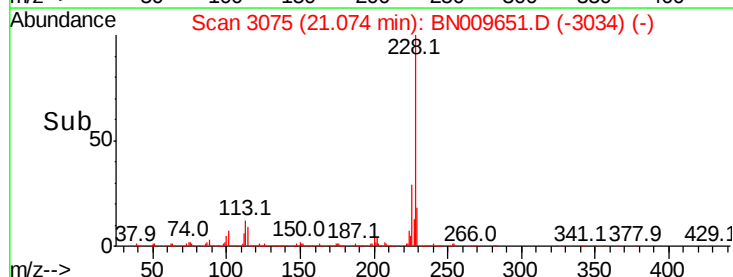
226 29.5 20.9 31.3

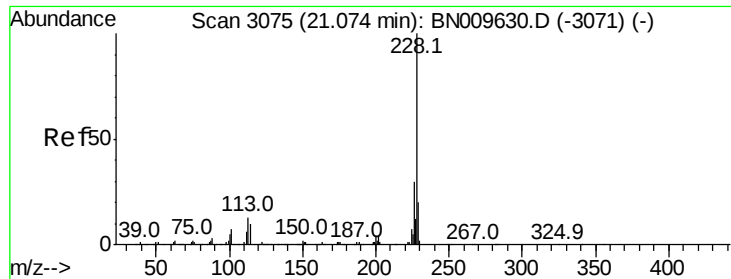


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 8.662 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

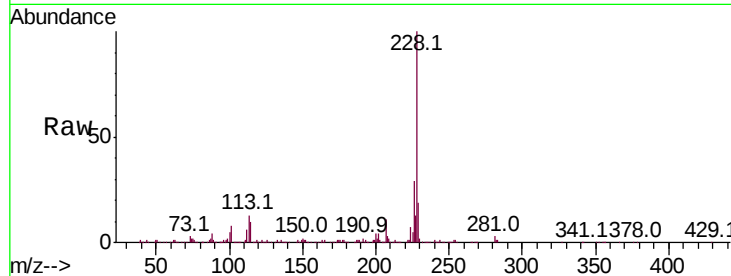
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 423778

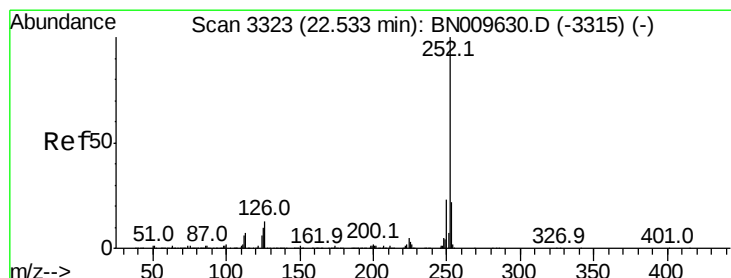
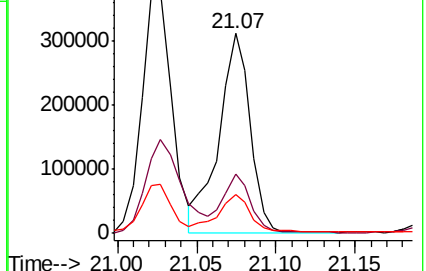
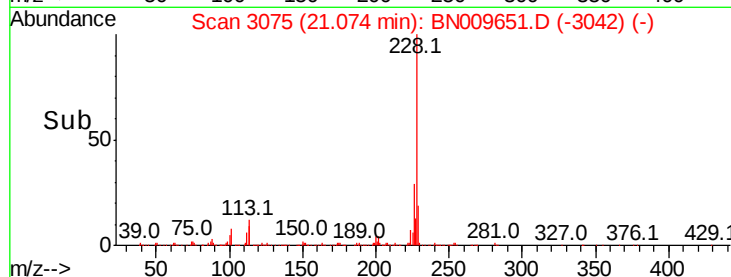
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	19.2	15.8	23.8



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: 7.149 ng/ul

RT: 22.54 min Scan# 3324

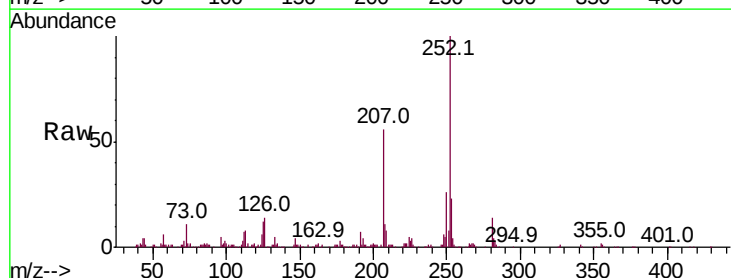
Delta R.T. -0.01 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Tgt Ion:252 Resp: 320470

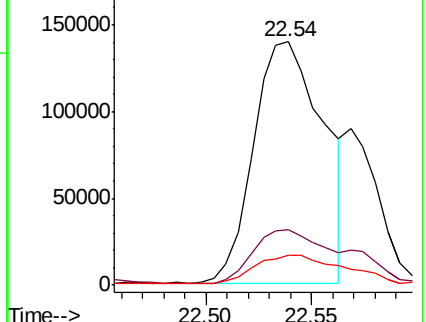
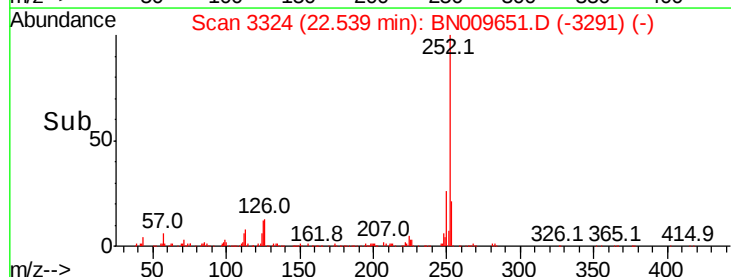
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.0	8.2	12.2

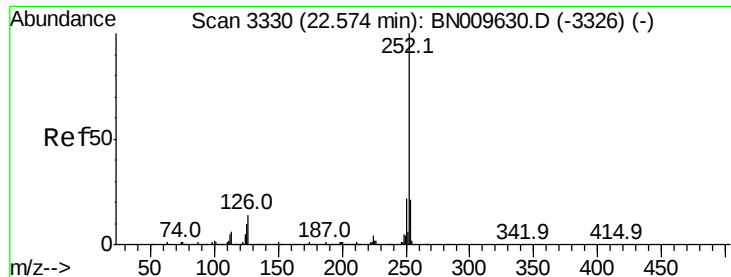


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

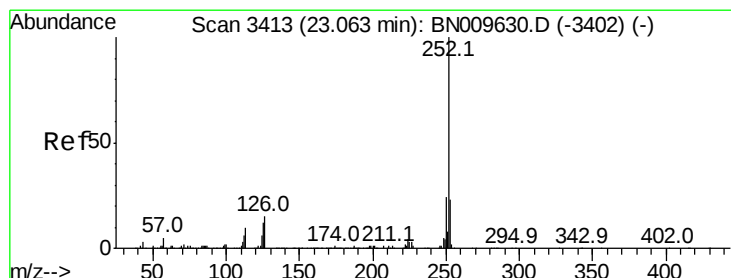
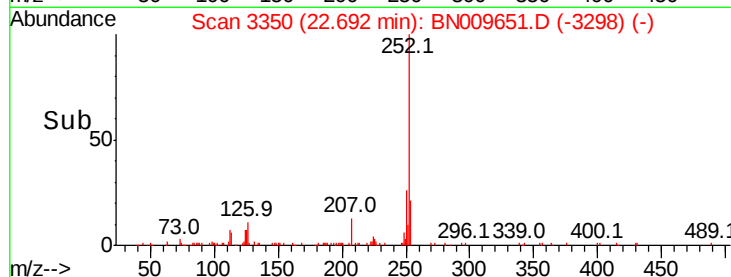
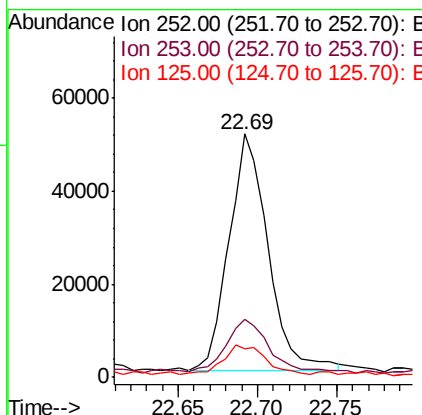
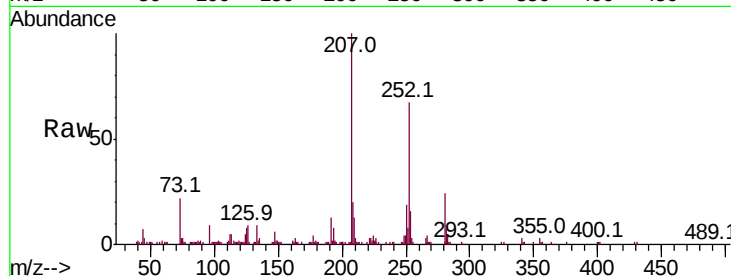




#88
Benzo(k)fluoranthene
Concen: 1.981 ng/ul
RT: 22.69 min Scan# 3350
Delta R.T. 0.11 min
Lab File: BN009651.D
Acq: 07 Feb 2020 18:02

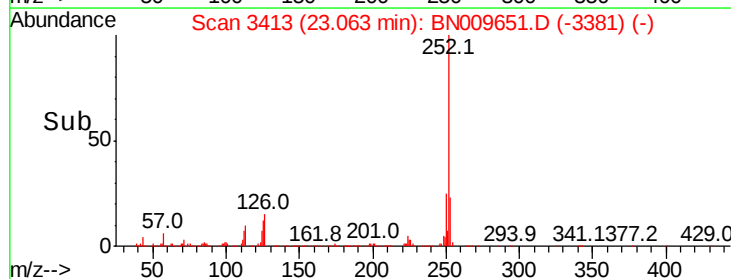
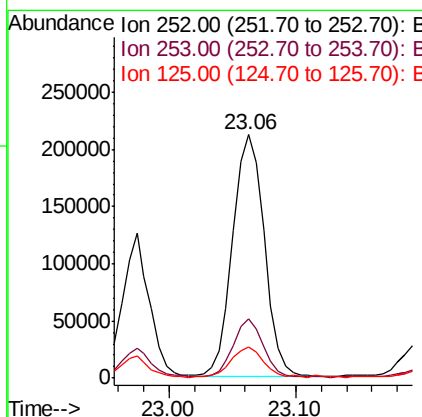
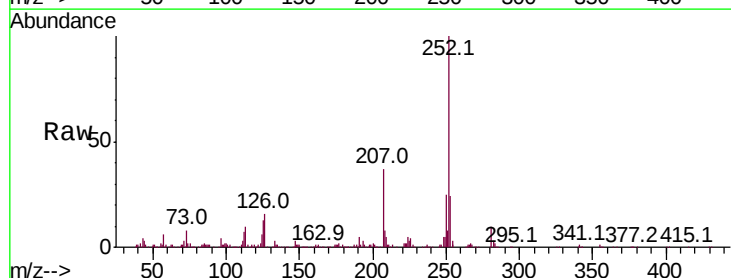
Instrument :
BNA_N
ClientSampleId :

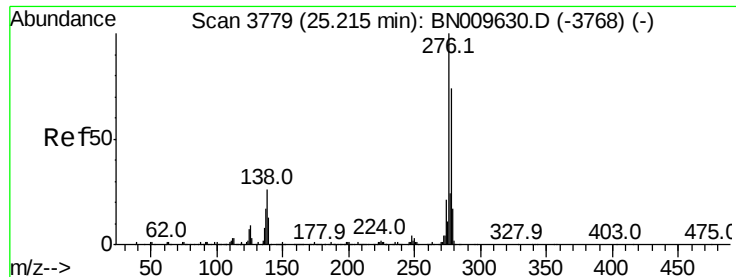
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	11.9	8.0	12.0



#90
Benzo(a)pyrene
Concen: 8.802 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009651.D
Acq: 07 Feb 2020 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	15.8	23.8#
125	12.8	8.7	13.1



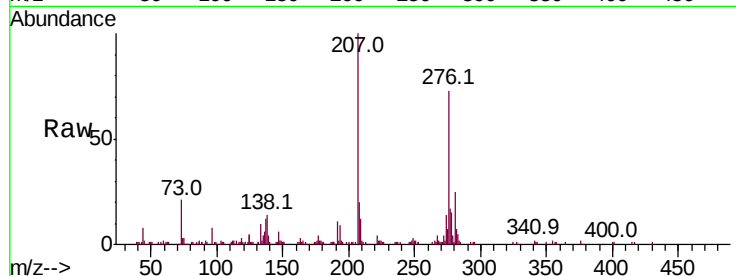


#91

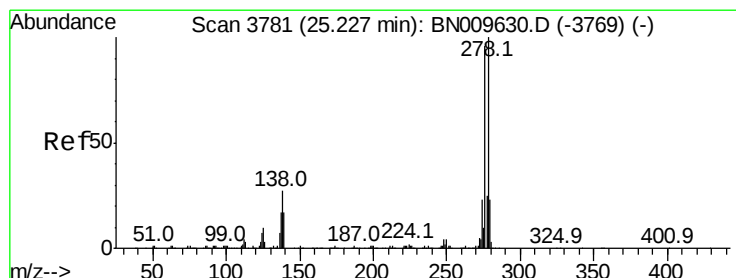
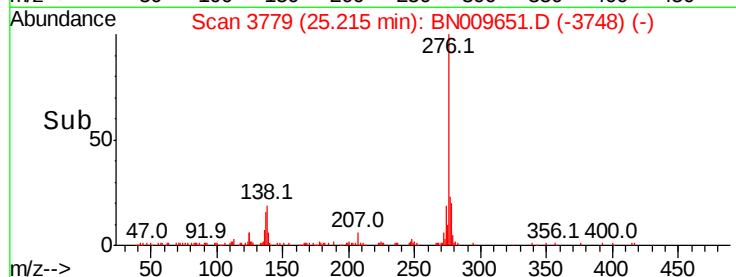
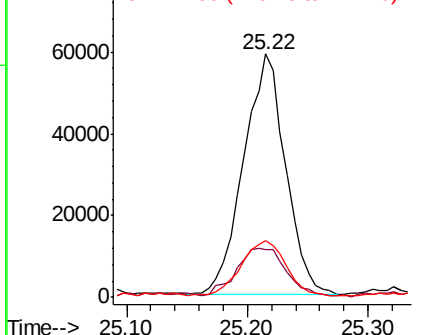
Indeno(1,2,3-cd)pyrene
Concen: 2.888 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.02 min
Lab File: BN009651.D
Acq: 07 Feb 2020 18:02

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.3	30.5
277	23.5	21.2	31.8



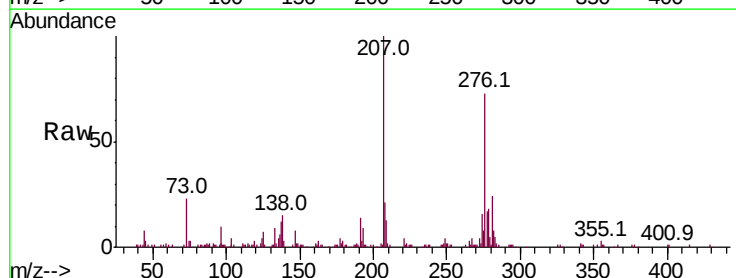
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



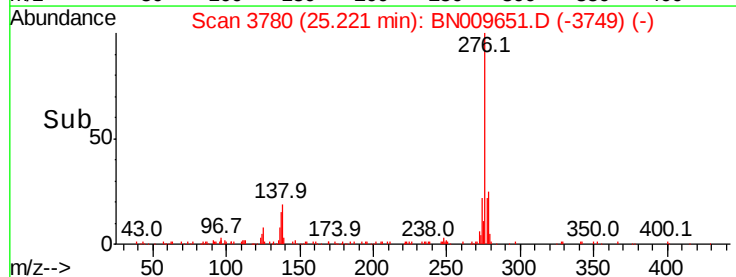
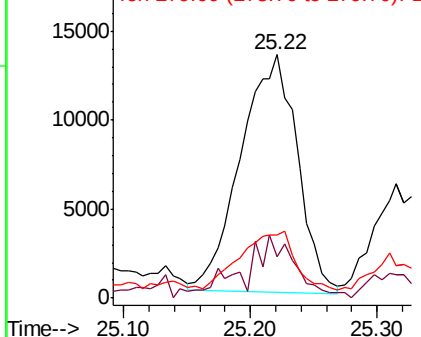
#92

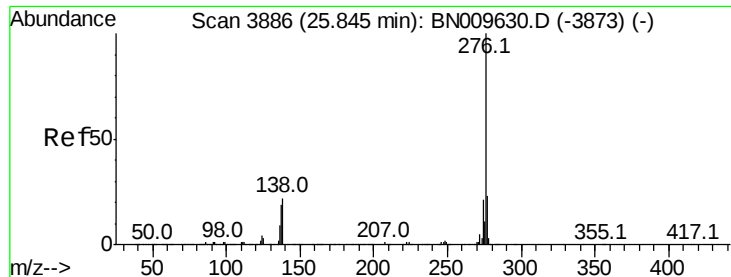
Dibenzo(a,h)anthracene
Concen: 1.001 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. -0.02 min
Lab File: BN009651.D
Acq: 07 Feb 2020 18:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.7	19.1
279	26.2	19.8	29.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 3.744 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009651.D

Acq: 07 Feb 2020 18:02

Instrument :

BNA_N

ClientSampleId :

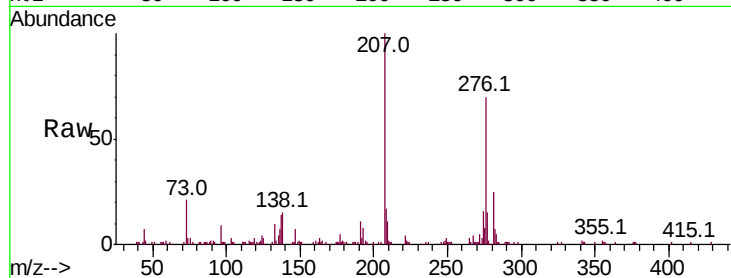
Tot Ion:276 Resp: 154958

Ion Ratio Lower Upper

276 100

138 22.2 16.0 24.0

277 21.1 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

