

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009519.D
 Acq On : 31 Jan 2020 20:00
 Operator : CG/JU
 Sample : L1271-04 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 22:20:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	197627	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	826159	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	506303	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.84	188	1002903	20.00	ng/ul	-0.01
77) Chrysene-d12	21.05	240	867846	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	944843	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2383	0.50	ng/uL	0.01
5) Phenol-d5	6.66	99	51962	2.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	38890	3.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	41399	3.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	43178	3.10	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	20788	3.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	22189	3.52	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.84	165	44761	3.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	14382	0.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.51	166	146570	3.91	ng/ul	-0.01
46) Acenaphthylene-d8	13.77	160	166002	3.73	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.33	143	18127	2.60	ng/ul	0.00
57) Fluorene-d10	15.09	176	124391	3.78	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.23	200	17120	2.82	ng/ul	0.00
70) Anthracene-d10	16.94	188	179128	3.86	ng/ul	0.00
78) Pyrene-d10	19.24	212	178376	3.82	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	164047	3.44	ng/ul	0.00

Target Compounds

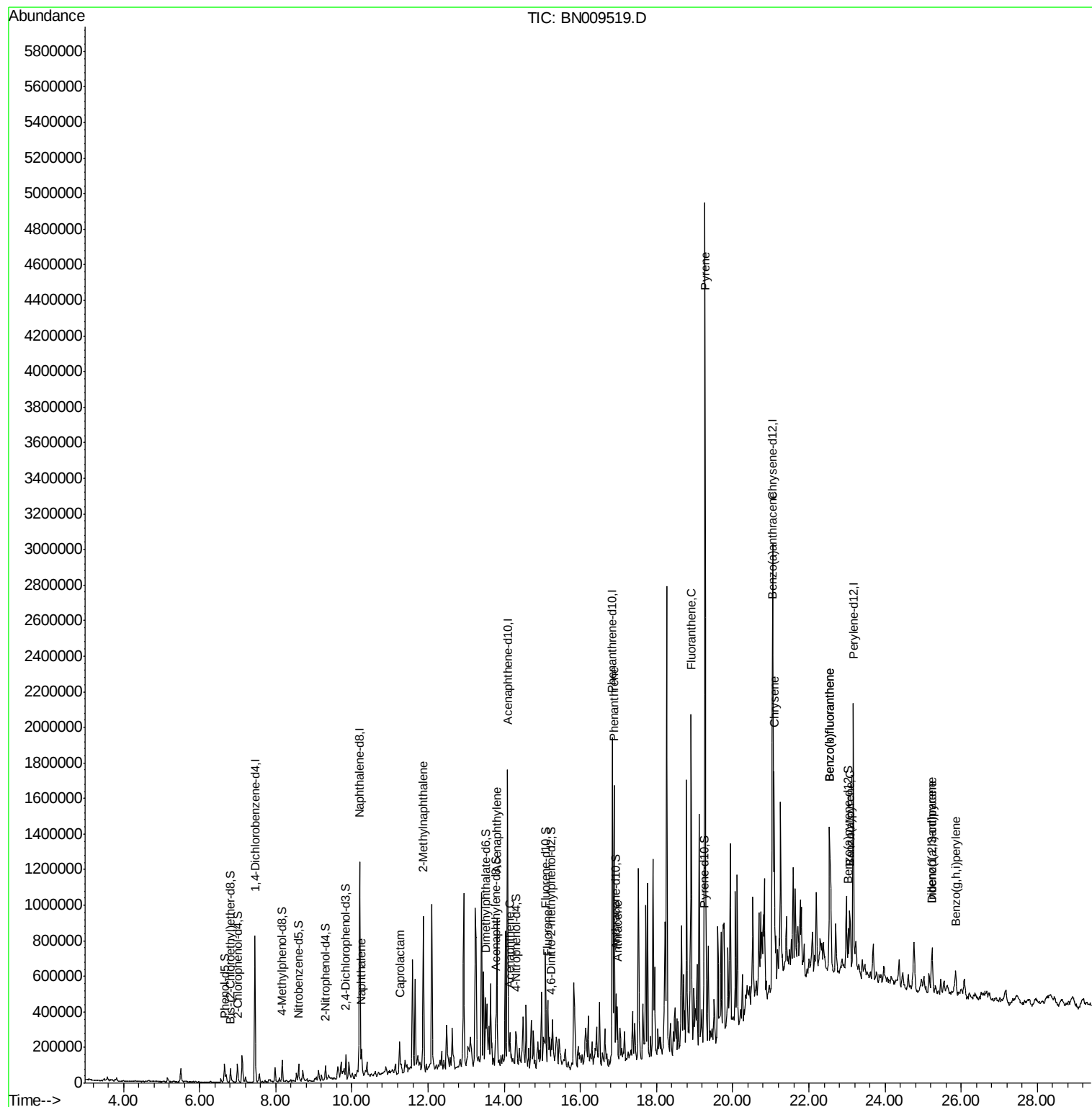
					Ovalue	
28) Naphthalene	10.25	128	69485	1.563	ng/ul#	95
32) Caprolactam	11.25	113	4671	1.114	ng/ul	84
34) 2-Methylnaphthalene	11.87	142	382507	12.497	ng/ul	99
47) Acenaphthylene	13.80	152	471286	9.819	ng/ul	99
49) Acenaphthene	14.15	153	53086	1.621	ng/ul	96
58) Fluorene	15.15	166	141352	3.708	ng/ul	93
69) Phenanthrene	16.88	178	860025	15.198	ng/ul	99
71) Anthracene	16.97	178	178044	3.090	ng/ul	98
76) Fluoranthene	18.91	202	967218	14.910	ng/ul	99
79) Pyrene	19.27	202	2846029	45.292	ng/ul	99
82) Benzo(a)anthracene	21.03	228	539270	9.125	ng/ul	93
84) Chrysene	21.09	228	645907	11.219	ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	709964	11.884	ng/ul#	93
88) Benzo(k)fluoranthene	22.55	252	710885	12.102	ng/ul#	94
90) Benzo(a)pyrene	23.07	252	132864	2.478	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	199843	3.075	ng/ul	94
92) Dibenzo(a,h)anthracene	25.23	278	78505	1.432	ng/ul#	91
93) Benzo(g,h,i)perylene	25.85	276	136147	2.519	ng/ul	96

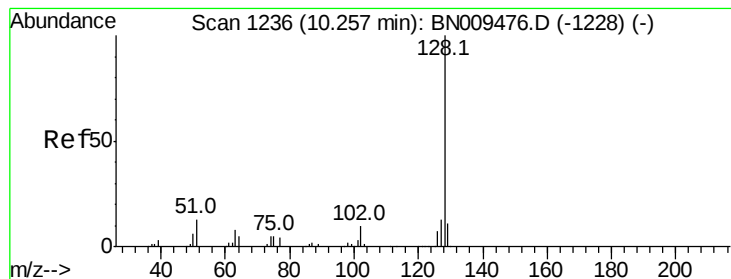
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.563 ng/ul

RT: 10.25 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

ClientSampleId :

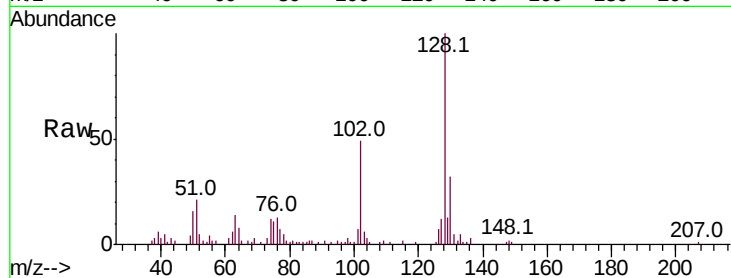
Tot Ion:128 Resp: 69485

Ion Ratio Lower Upper

128 100

129 12.6 8.1 12.1#

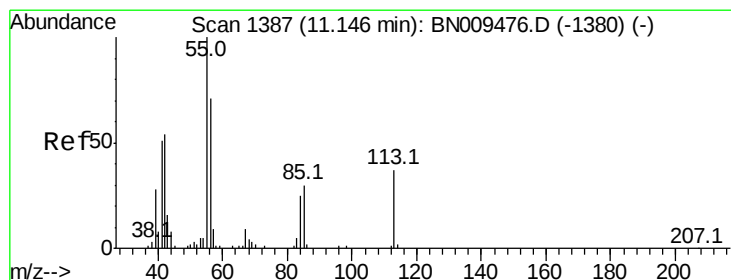
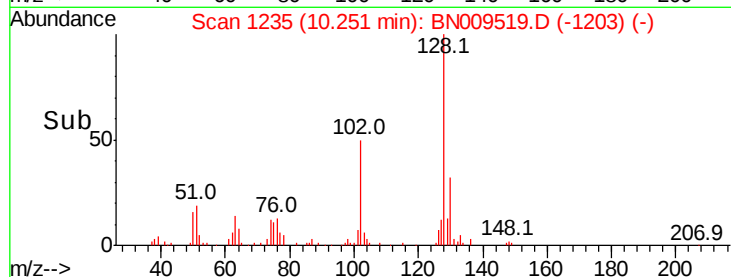
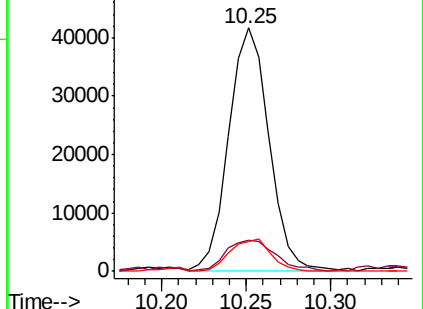
127 12.1 11.0 16.6



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



#32

Caprolactam

Concen: 1.114 ng/ul

RT: 11.25 min Scan# 1405

Delta R.T. 0.10 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

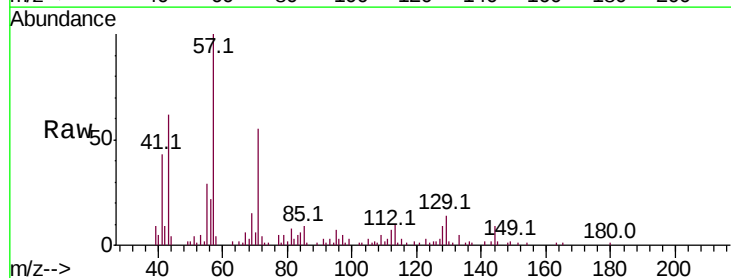
Tgt Ion:113 Resp: 4671

Ion Ratio Lower Upper

113 100

55 296.3 214.0 321.0

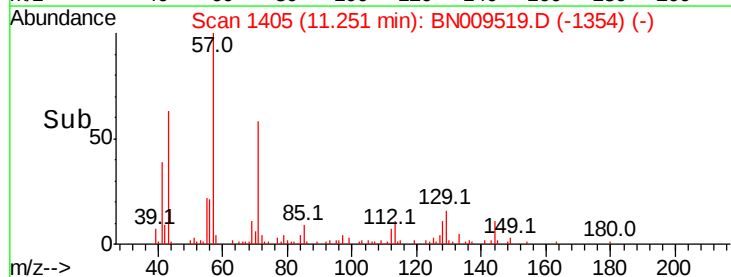
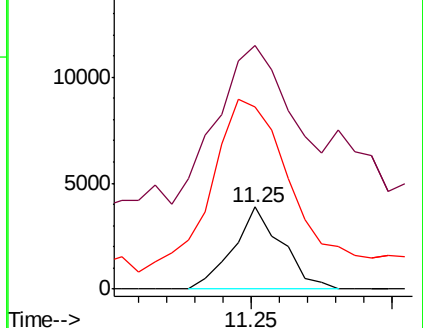
56 221.9 157.5 236.3

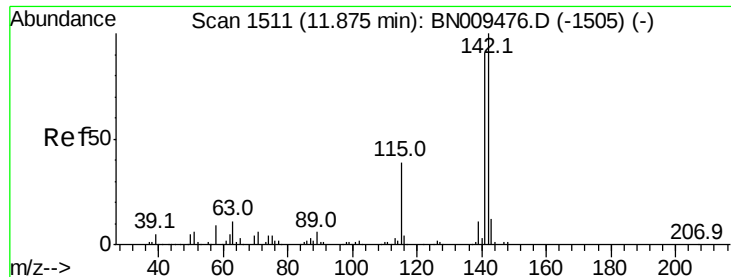


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

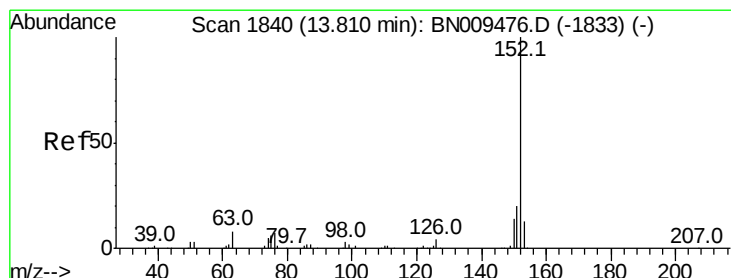
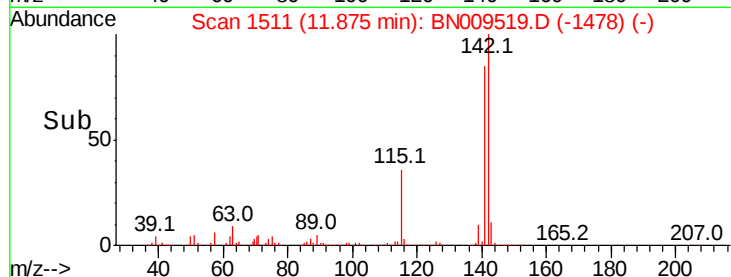
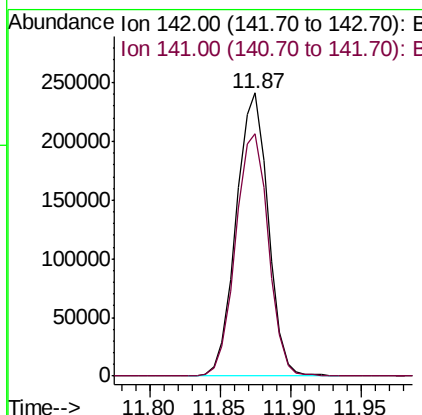
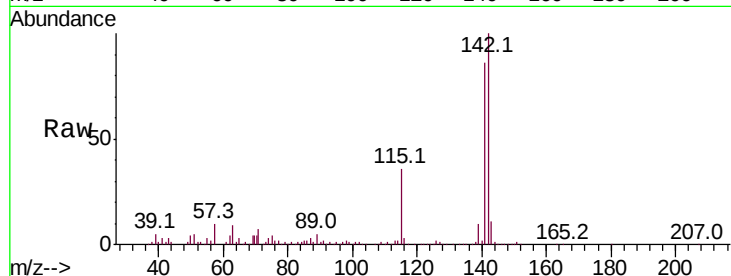




#34
2-Methylnaphthalene
Concen: 12.497 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

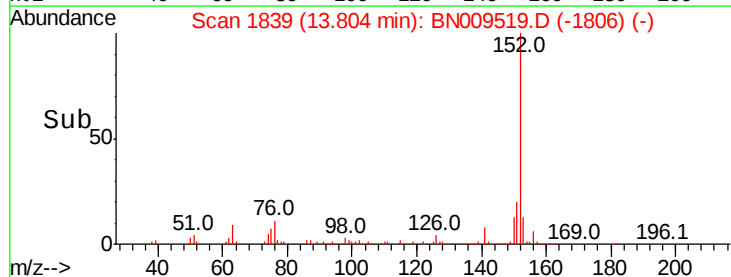
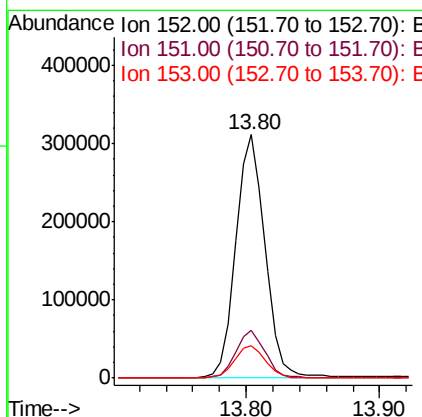
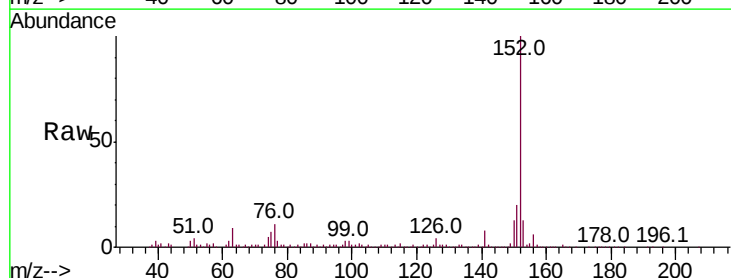
Instrument :
BNA_N
ClientSampled :

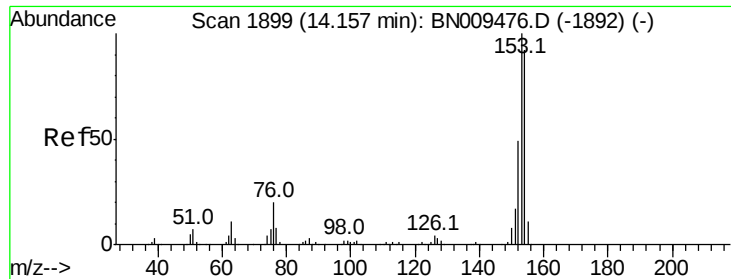
Tot Ion:142 Resp: 382507
Ion Ratio Lower Upper
142 100
141 85.6 69.3 103.9



#47
Acenaphthylene
Concen: 9.819 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion:152 Resp: 471286
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.2 10.8 16.2





#49

Acenaphthene

Concen: 1.621 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

ClientSampled :

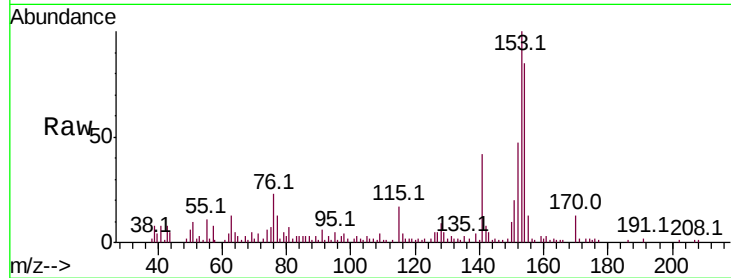
Tot Ion:153 Resp: 53086

Ion Ratio Lower Upper

153 100

152 47.2 36.3 54.5

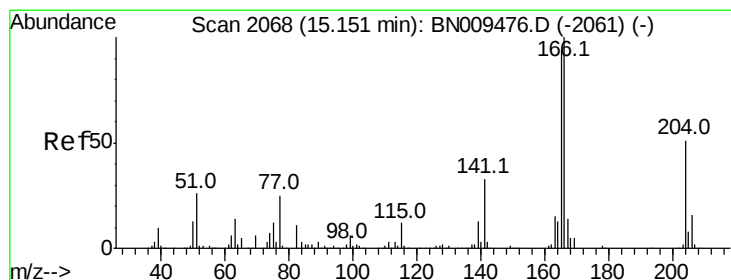
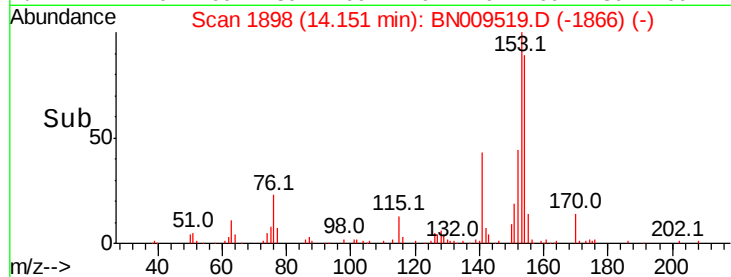
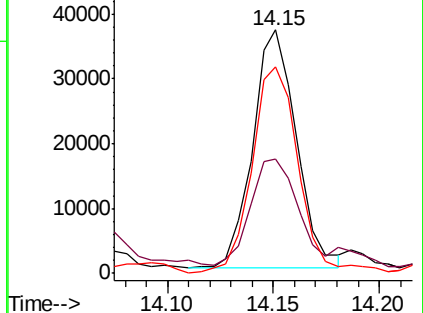
154 85.0 71.4 107.0



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



#58

Fluorene

Concen: 3.708 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

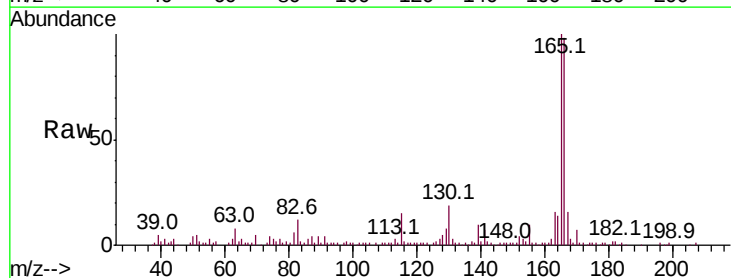
Tgt Ion:166 Resp: 141352

Ion Ratio Lower Upper

166 100

165 102.5 76.5 114.7

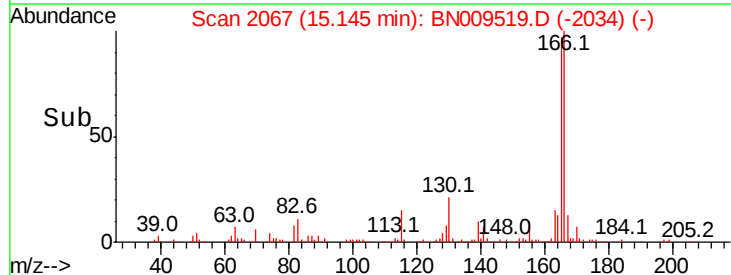
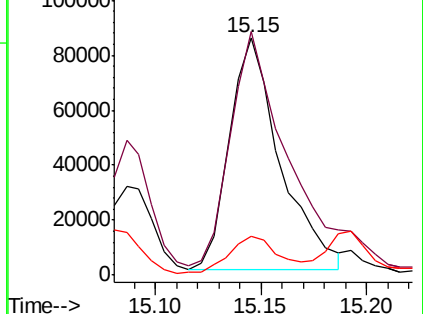
167 16.1 10.9 16.3

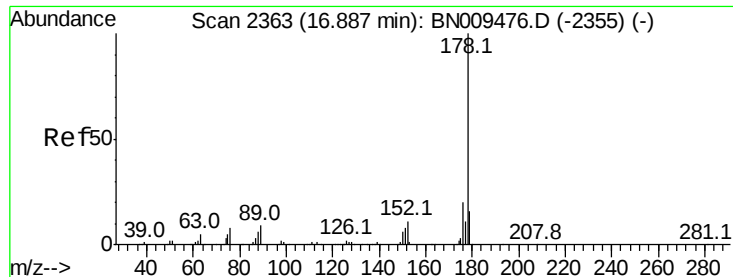


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.198 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

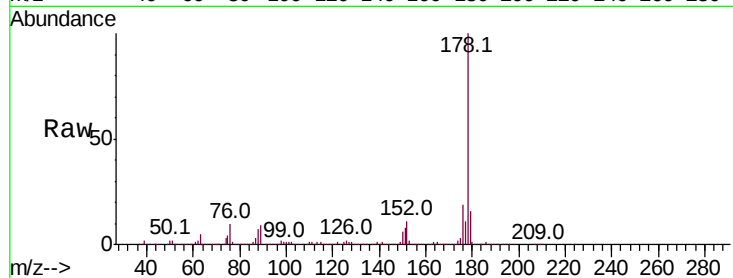
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 860025

Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.3	19.9
176	19.4	15.5	23.3

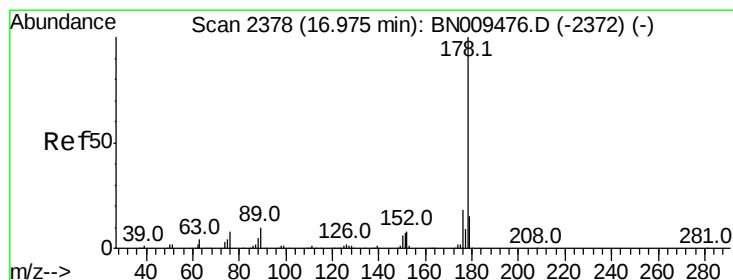
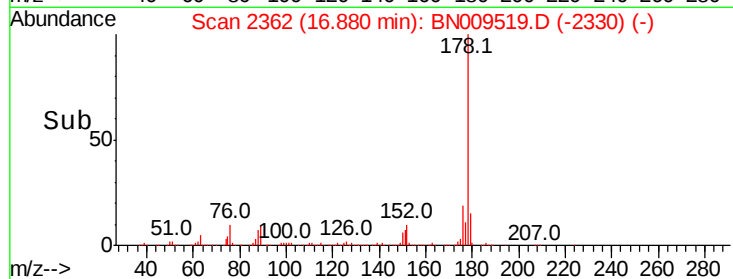
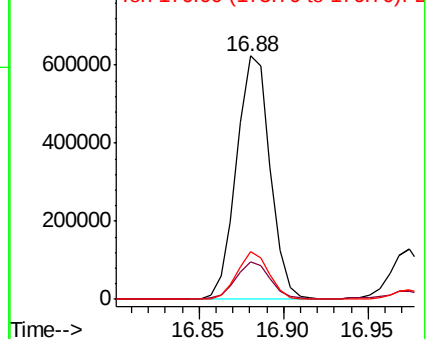


Abundance

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: 3.090 ng/ul

RT: 16.97 min Scan# 2378

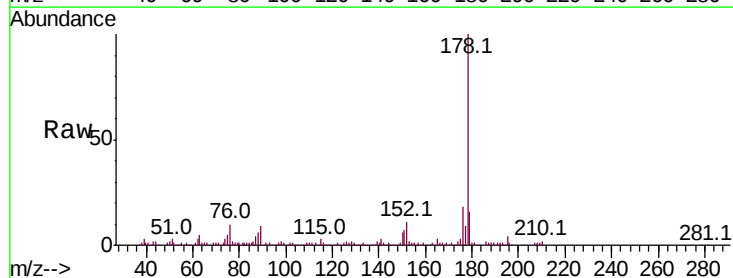
Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Tgt Ion:178 Resp: 178044

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.6
176	17.9	14.6	22.0

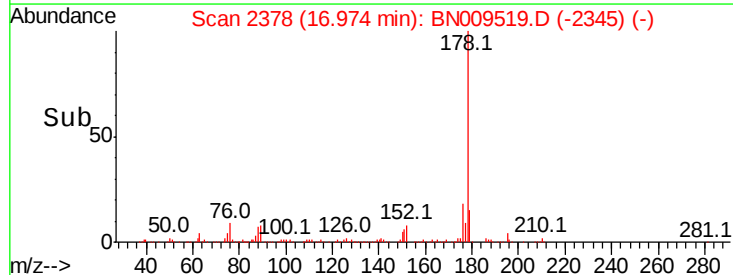
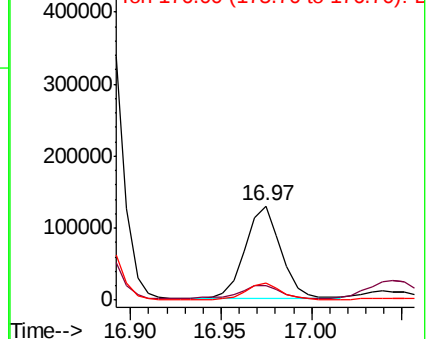


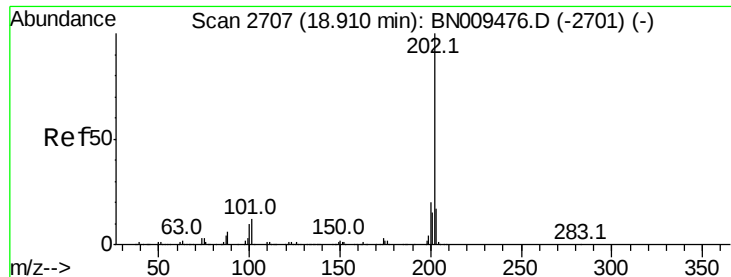
Abundance

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

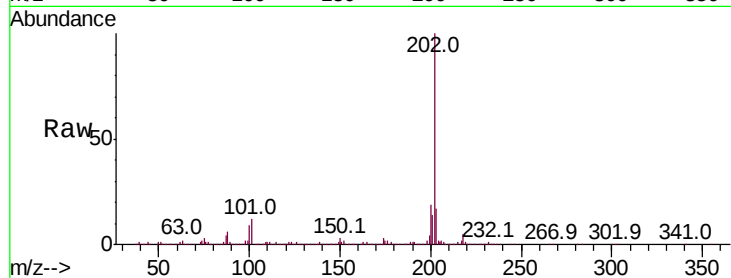




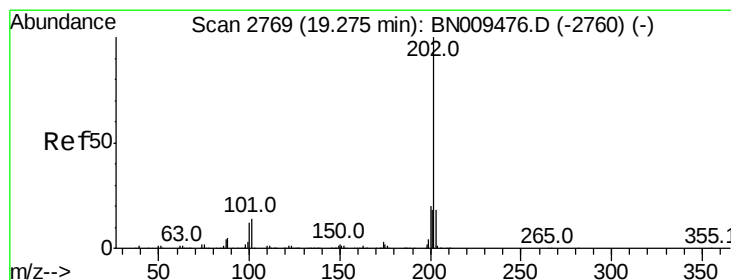
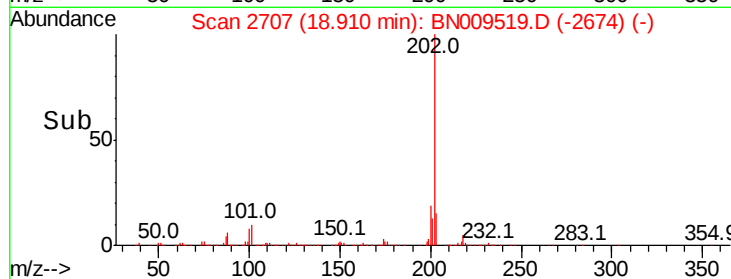
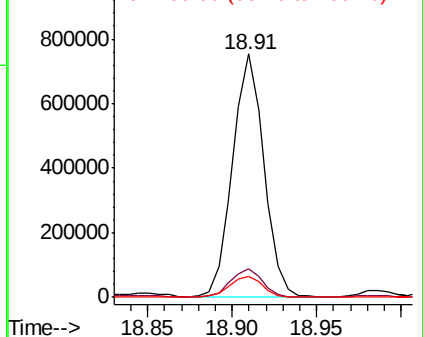
#76
 Fluoranthene
 Concen: 14.910 ng/ul
 RT: 18.91 min Scan# 2707
 Delta R.T. -0.01 min
 Lab File: BN009519.D
 Acq: 31 Jan 2020 20:00

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
100	8.5	7.1	10.7

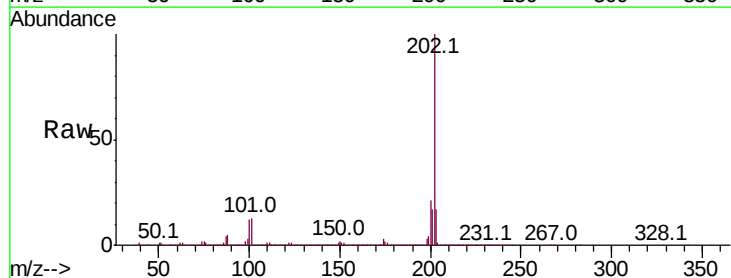


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

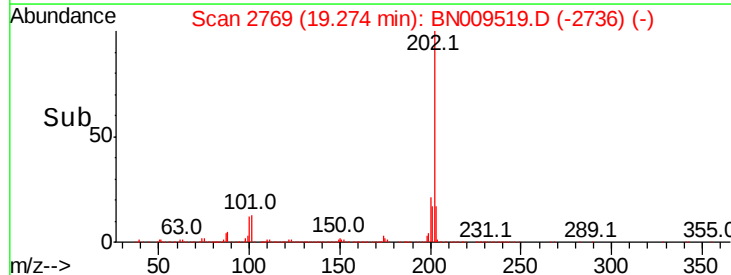
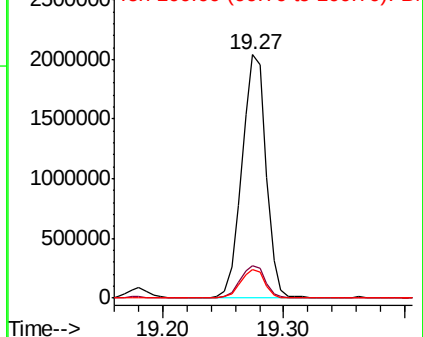


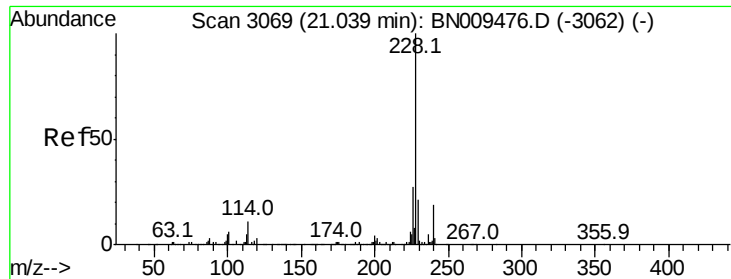
#79
 Pyrene
 Concen: 45.292 ng/ul
 RT: 19.27 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BN009519.D
 Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.9	16.3
100	11.6	8.6	12.8



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

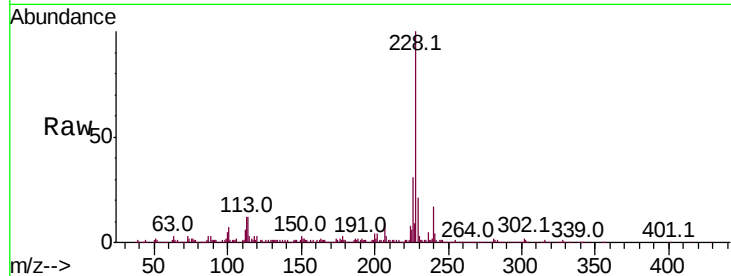




#82
Benzo(a)anthracene
Concen: 9.125 ng/ul
RT: 21.03 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.9	23.9
226	31.2	20.9	31.3

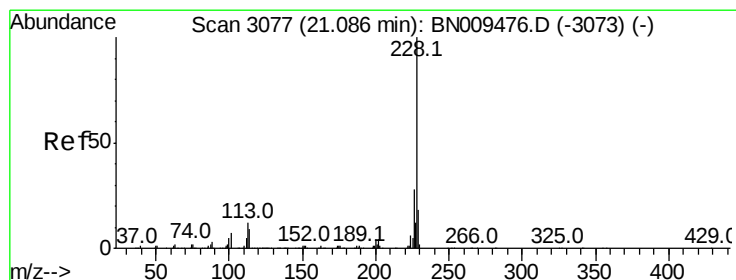
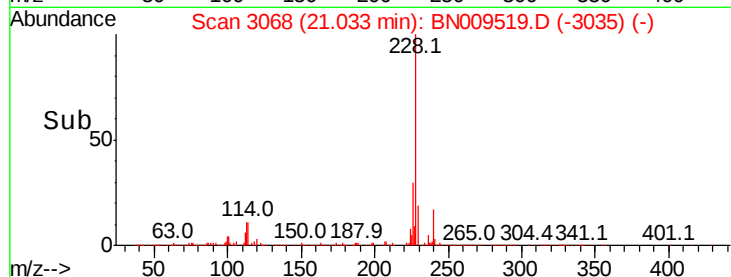
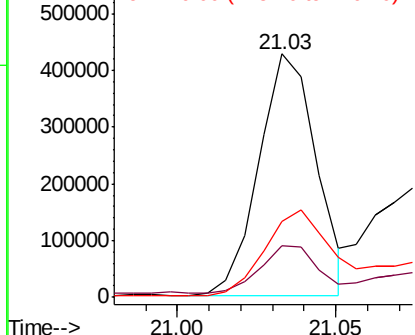


Abundance

Ion 228.00 (227.70 to 228.70): E

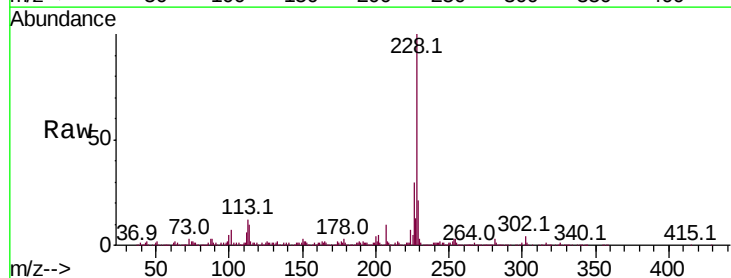
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84
Chrysene
Concen: 11.219 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.9	34.3
229	20.7	15.4	23.0

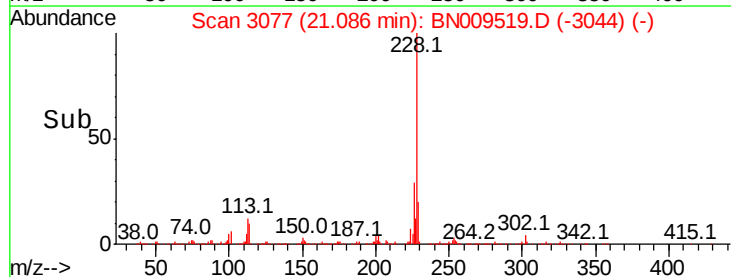
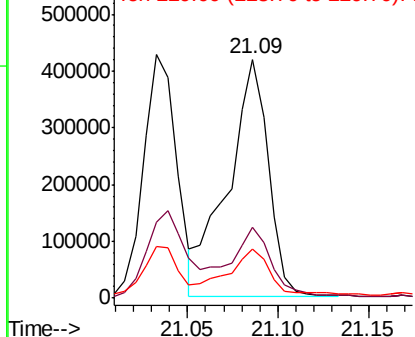


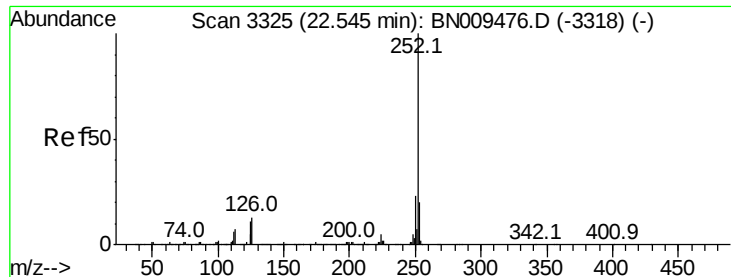
Abundance

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: 11.884 ng/ul

RT: 22.55 min Scan# 3326

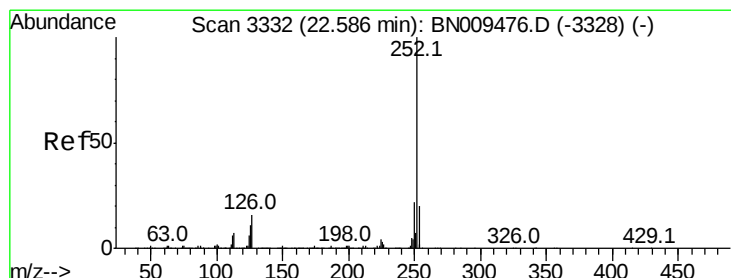
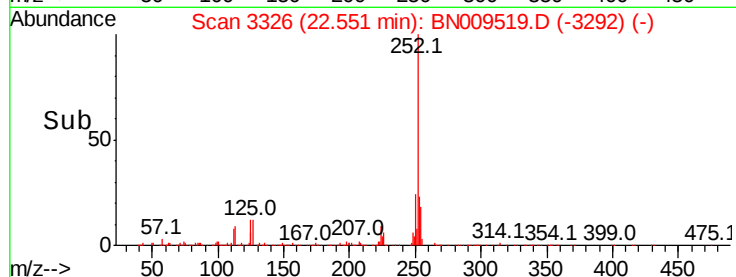
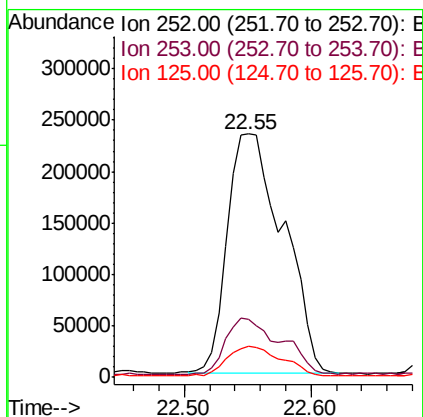
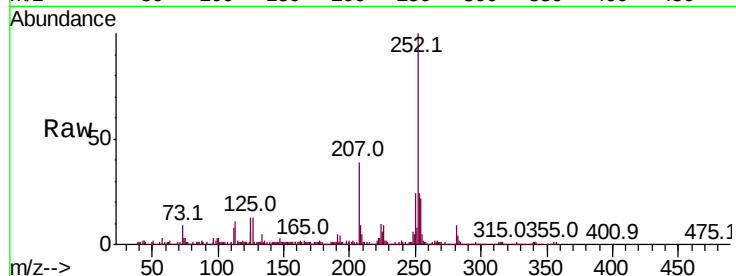
Delta R.T. -0.00 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.5	24.7
125	12.7	8.2	12.2#



#88

Benzo(k)fluoranthene

Concen: 12.102 ng/ul

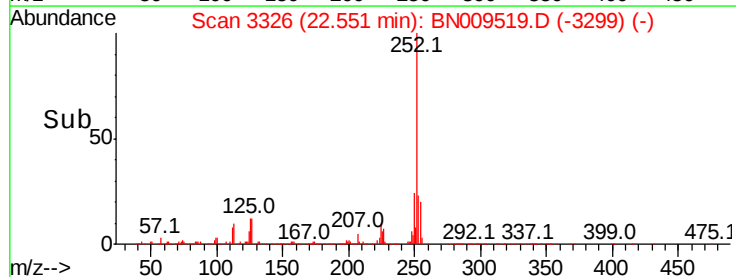
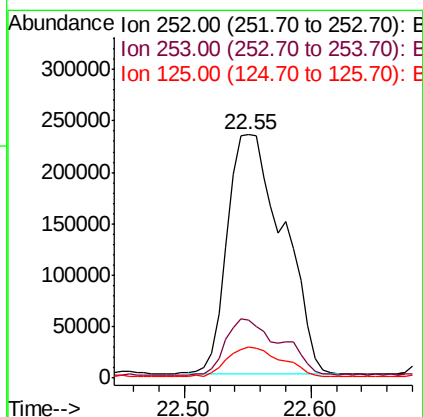
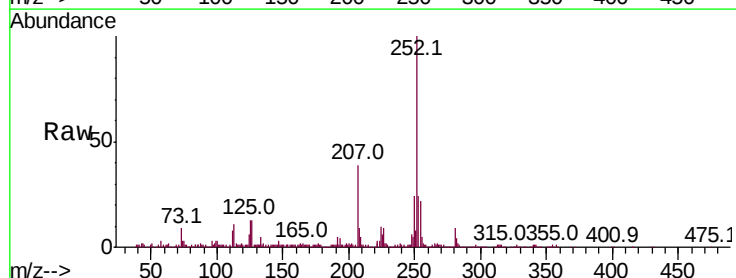
RT: 22.55 min Scan# 3326

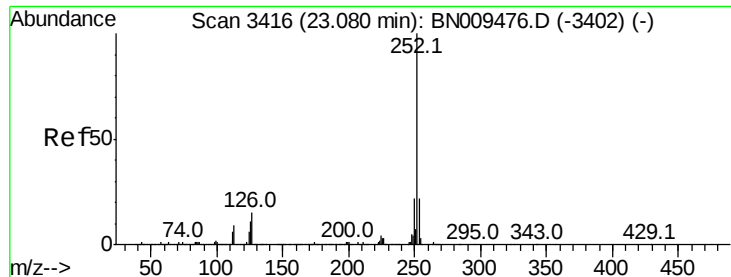
Delta R.T. -0.04 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	12.7	7.8	11.8#





#90

Benzo(a)pyrene

Concen: 2.478 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

ClientSampleId :

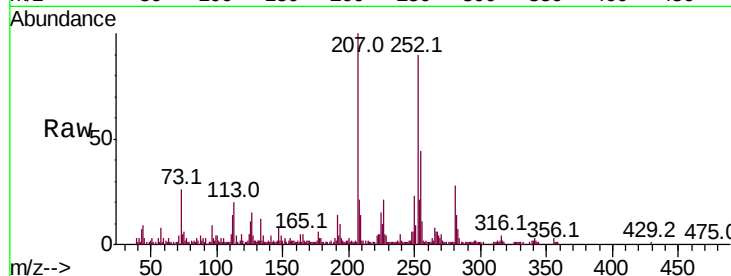
Tot Ion:252 Resp: 132864

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

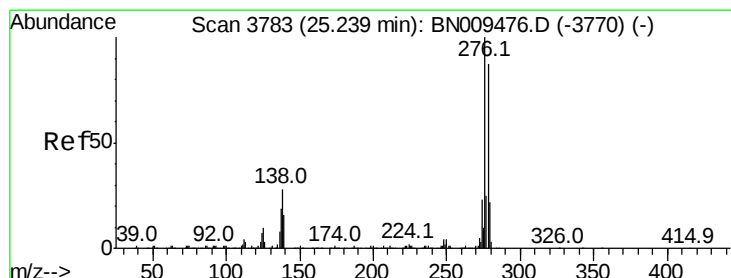
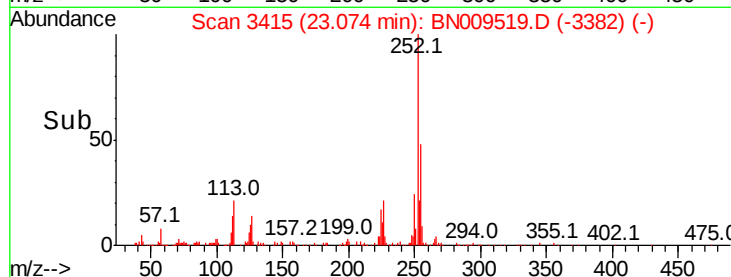
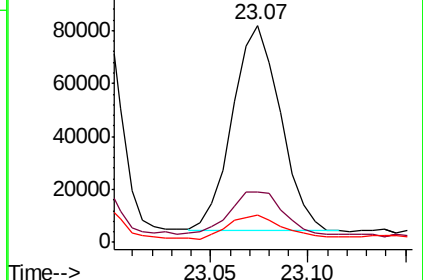
125 12.4 9.8 14.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.075 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. -0.02 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

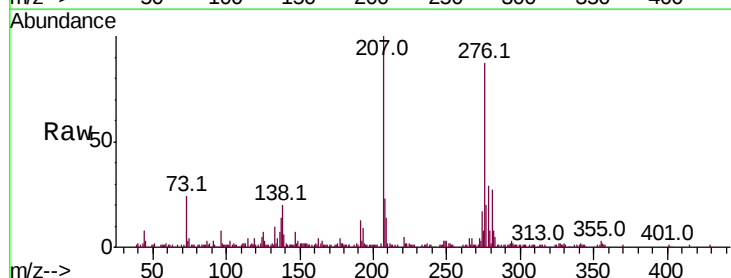
Tgt Ion:276 Resp: 199843

Ion Ratio Lower Upper

276 100

138 23.1 21.4 32.0

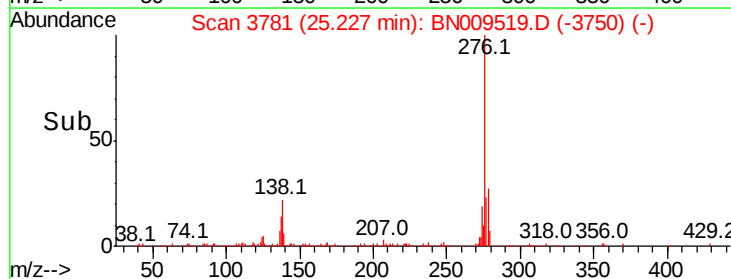
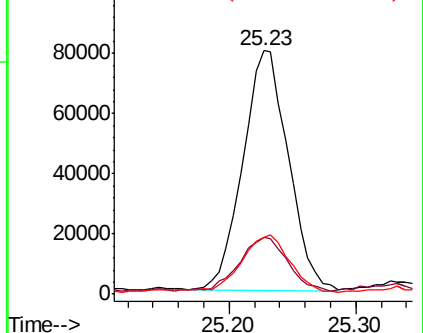
277 23.2 20.4 30.6

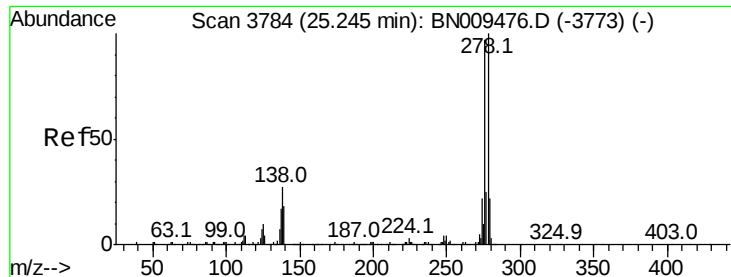


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

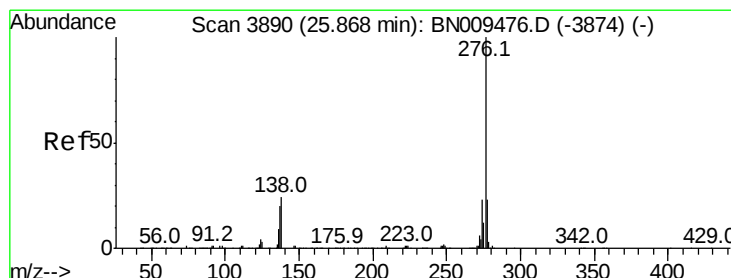
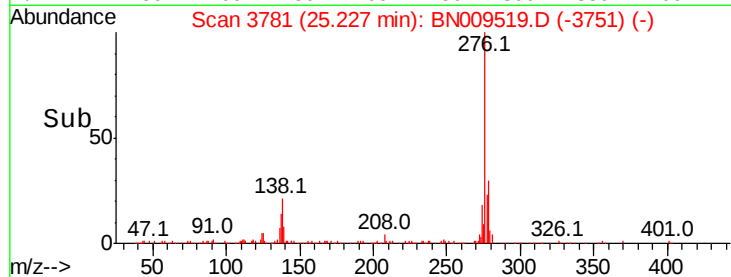
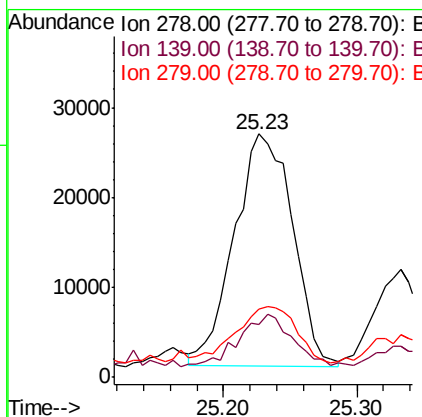
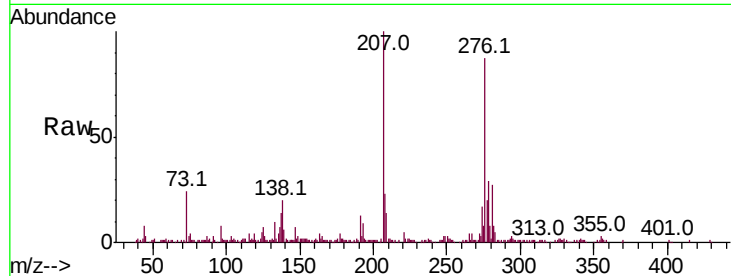




#92
Dibenzo(a,h)anthracene
Concen: 1.432 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 78505
Ion Ratio Lower Upper
278 100
139 21.8 13.9 20.9#
279 28.1 19.3 28.9



#93
Benzo(g,h,i)perylene
Concen: 2.519 ng/ul
RT: 25.85 min Scan# 3887
Delta R.T. -0.02 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion:276 Resp: 136147
Ion Ratio Lower Upper
276 100
138 24.3 16.6 24.8
277 24.2 18.7 28.1

