

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009518.D
 Acq On : 31 Jan 2020 19:24
 Operator : CG/JU
 Sample : L1271-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 22:20:08 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	170158	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	718044	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	436072	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.84	188	880914	20.00	ng/ul	-0.01
77) Chrysene-d12	21.05	240	731639	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	804808	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9904	2.41	ng/uL	0.00
5) Phenol-d5	6.65	99	206303	13.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	161514	15.08	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	168067	15.26	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	173690	14.46	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	88601	16.96	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.30	143	97726	17.84	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.84	165	165715	15.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	122802	9.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.51	166	578884	17.94	ng/ul	-0.01
46) Acenaphthylene-d8	13.77	160	615062	16.06	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.32	143	80412	13.39	ng/ul	0.00
57) Fluorene-d10	15.09	176	471398	16.64	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.23	200	77876	14.60	ng/ul	0.00
70) Anthracene-d10	16.94	188	666920	16.36	ng/ul	0.00
78) Pyrene-d10	19.25	212	639632	16.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	599927	14.77	ng/ul	0.00

Target Compounds

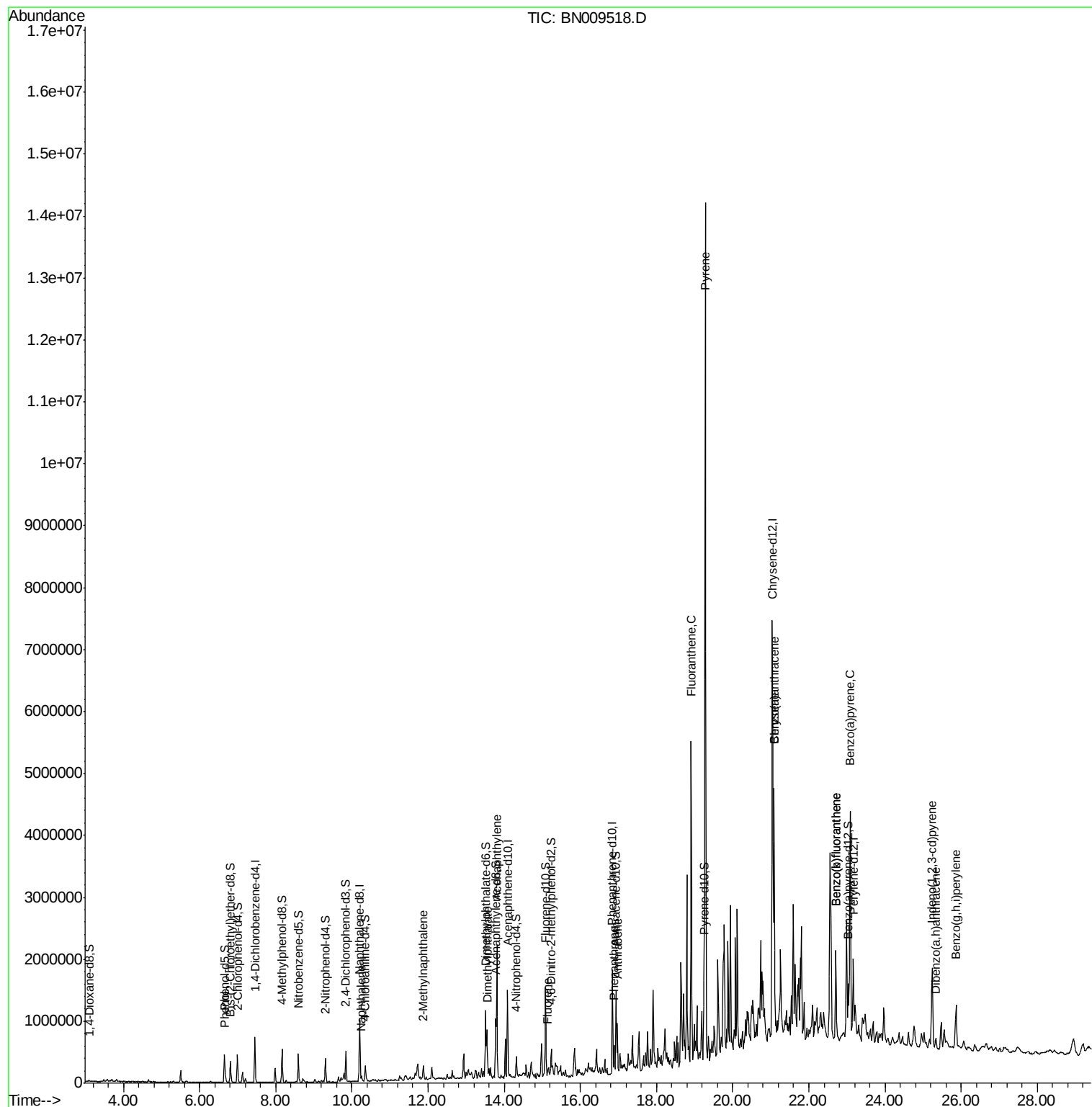
					Ovalue	
6) Phenol	6.68	94	38955	2.464	ng/ul	99
28) Naphthalene	10.25	128	47074	1.218	ng/ul#	95
34) 2-Methylnaphthalene	11.87	142	99917	3.756	ng/ul	97
44) Dimethylphthalate	13.56	163	146719	4.416	ng/ul#	99
47) Acenaphthylene	13.80	152	1385663	33.519	ng/ul	98
58) Fluorene	15.15	166	37109	1.130	ng/ul#	96
69) Phenanthrene	16.88	178	272335	5.479	ng/ul	98
71) Anthracene	16.97	178	467025	9.228	ng/ul	99
76) Fluoranthene	18.91	202	2807713	49.276	ng/ul	99
79) Pyrene	19.28	202	8335057	157.338	ng/ul	97
82) Benzo(a)anthracene	21.09	228	2233916	44.837	ng/ul	95
84) Chrysene	21.09	228	2233916	46.027	ng/ul	97
87) Benzo(b)fluoranthene	22.71	252	828585	16.283	ng/ul	95
88) Benzo(k)fluoranthene	22.71	252	902865	18.044	ng/ul	96
90) Benzo(a)pyrene	23.08	252	2162597	47.345	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	1047674	18.926	ng/ul	95
92) Dibenzo(a,h)anthracene	25.34	278	139322	2.983	ng/ul	95
93) Benzo(g,h,i)perylene	25.86	276	735027	15.964	ng/ul	97

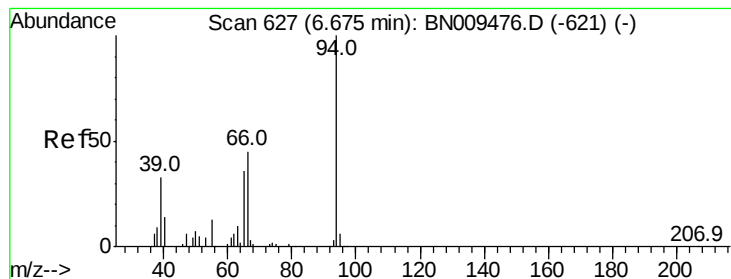
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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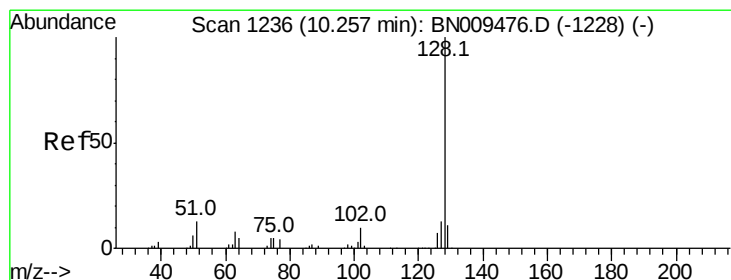
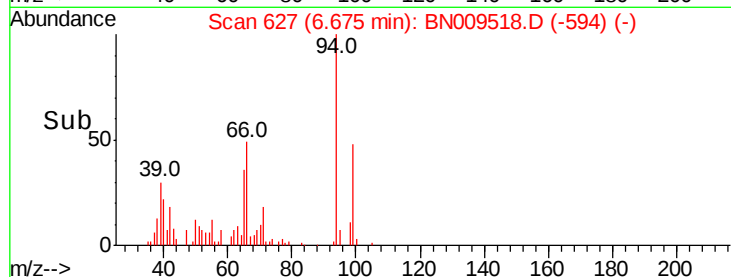
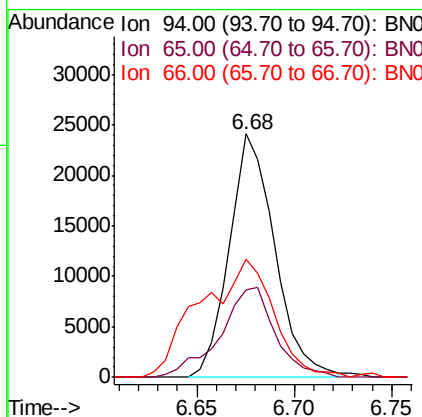
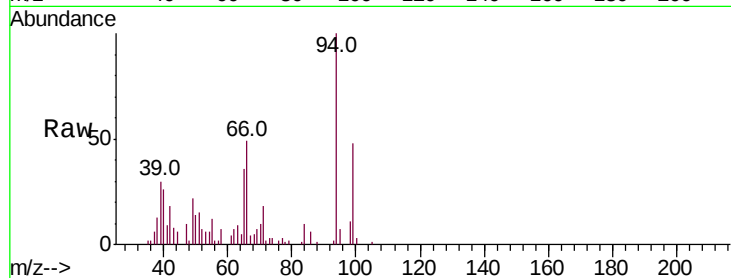
#6

Phenol

Concen: 2.464 ng/ul
 RT: 6.68 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BN009518.D
 Acq: 31 Jan 2020 19:24

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	94	Resp	38955
Ion	Ratio	Lower	Upper
94	100		
65	36.1	29.4	44.0
66	48.6	39.8	59.8

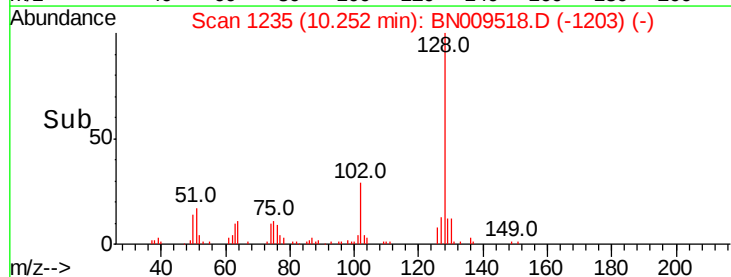
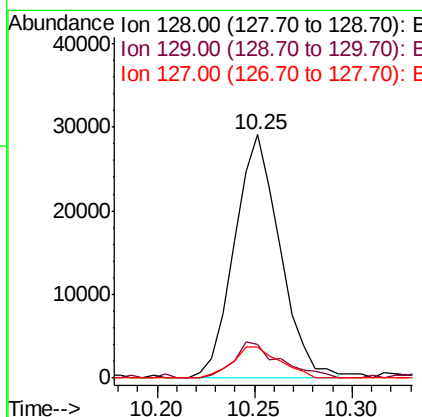
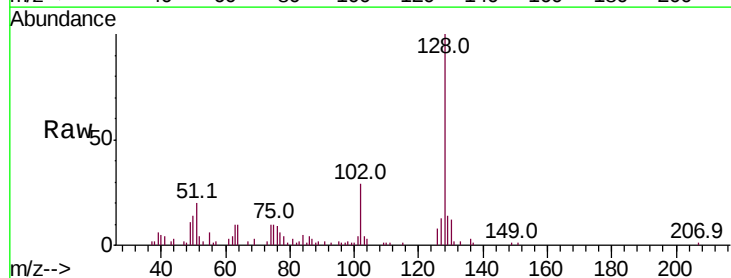


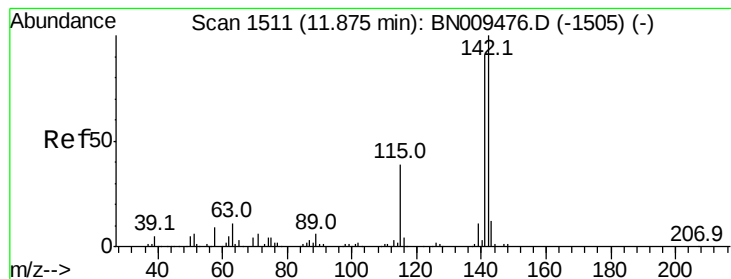
#28

Naphthalene

Concen: 1.218 ng/ul
 RT: 10.25 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BN009518.D
 Acq: 31 Jan 2020 19:24

Tgt Ion	128	Resp	47074
Ion	Ratio	Lower	Upper
128	100		
129	13.8	8.1	12.1#
127	13.0	11.0	16.6





#34

2-Methylnaphthalene

Concen: 3.756 ng/ul

RT: 11.87 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :

BNA_N

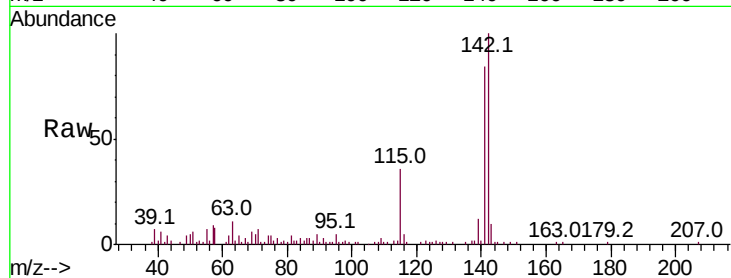
ClientSampleId :

Tot Ion:142 Resp: 99917

Ion Ratio Lower Upper

142 100

141 84.2 69.3 103.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

60000

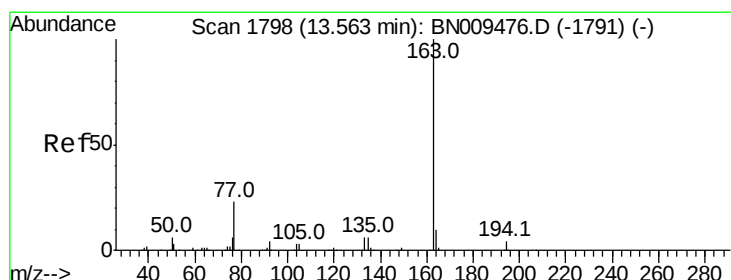
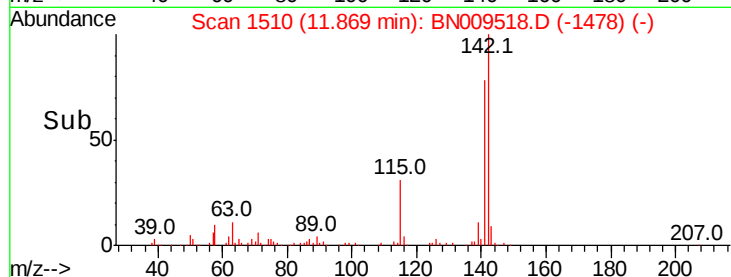
40000

20000

0

11.87

Time--> 11.80 11.85 11.90 11.95



#44

Dimethylphthalate

Concen: 4.416 ng/ul

RT: 13.56 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

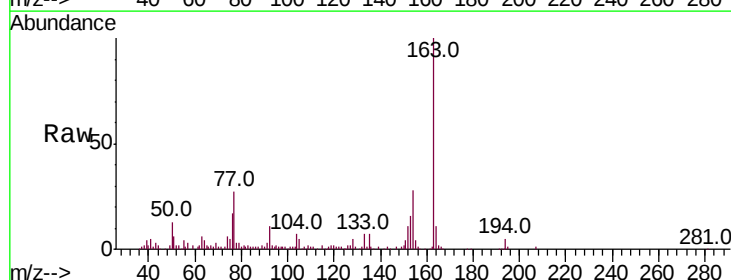
Tgt Ion:163 Resp: 146719

Ion Ratio Lower Upper

163 100

194 4.8 3.1 4.7#

164 10.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

150000

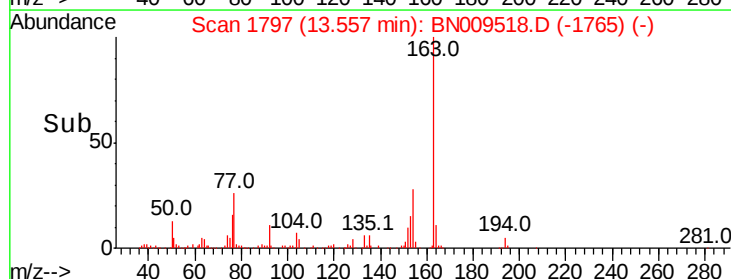
100000

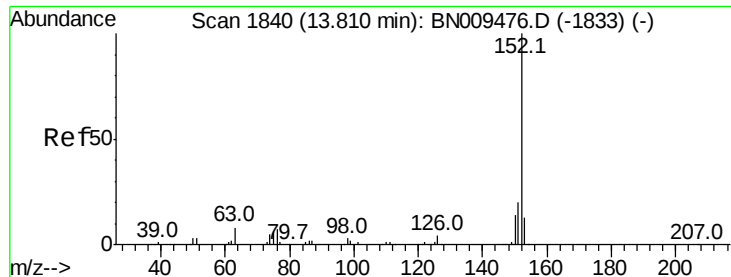
50000

0

13.56

Time--> 13.50 13.55 13.60





#47

Acenaphthylene

Concen: 33.519 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :

BNA_N

ClientSampleId :

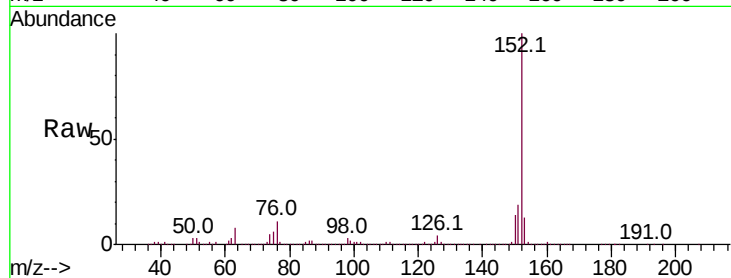
Tot Ion:152 Resp: 1385663

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.4

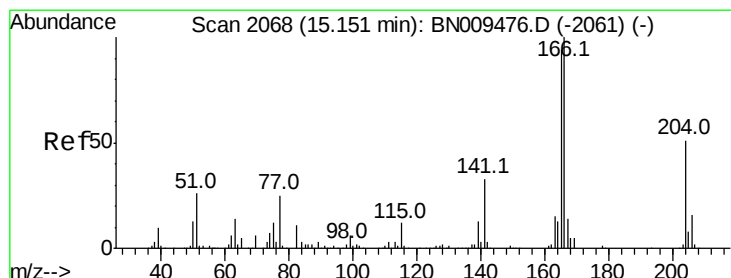
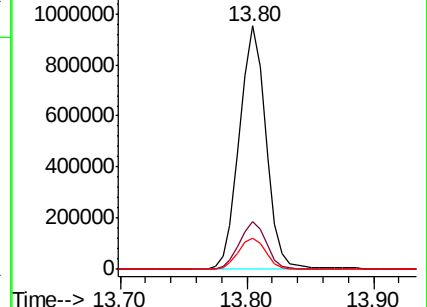
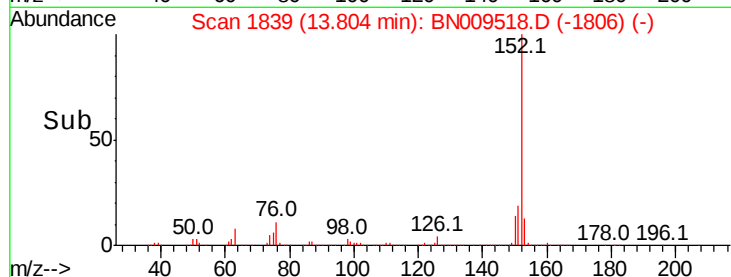
153 12.8 10.8 16.2



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



#58

Fluorene

Concen: 1.130 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

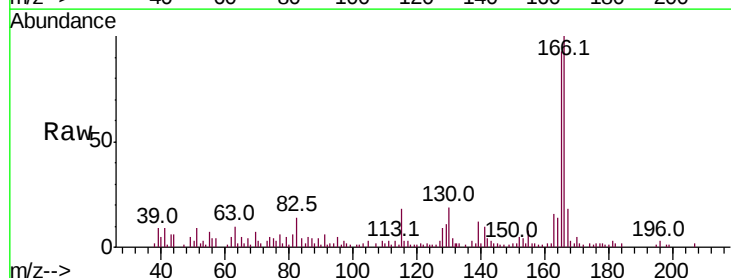
Tgt Ion:166 Resp: 37109

Ion Ratio Lower Upper

166 100

165 93.0 76.5 114.7

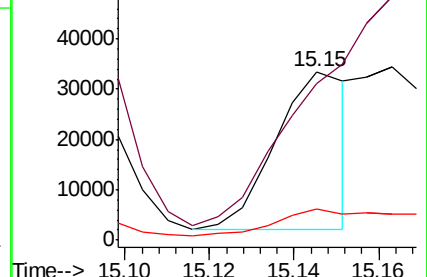
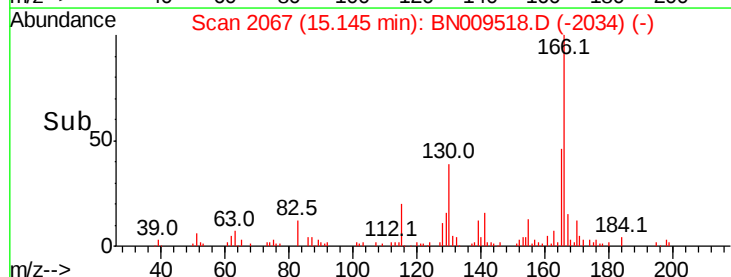
167 18.2 10.9 16.3#

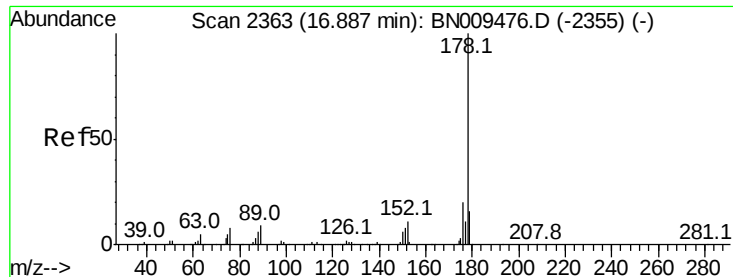


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 5.479 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :

BNA_N

ClientSampled :

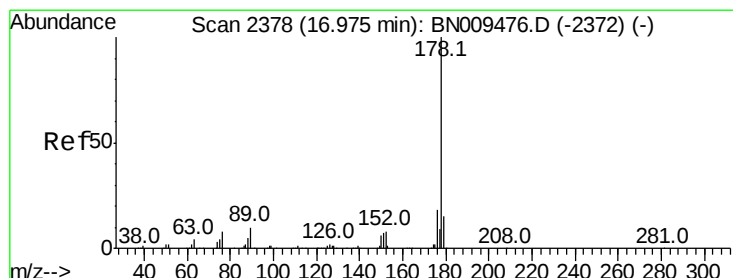
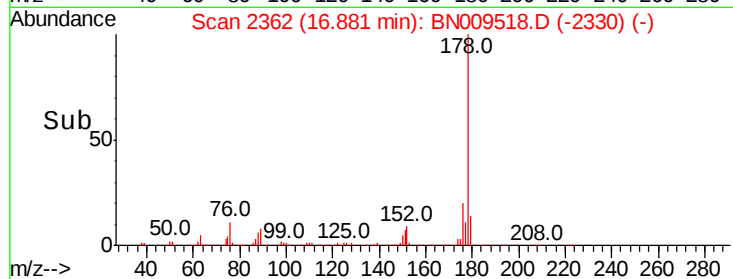
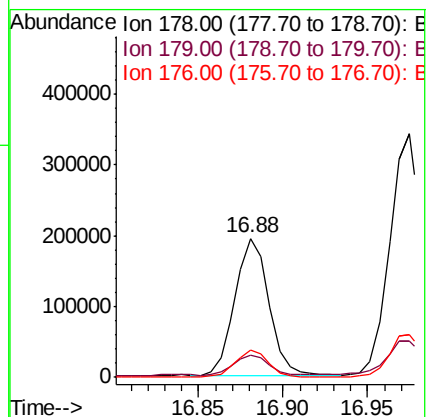
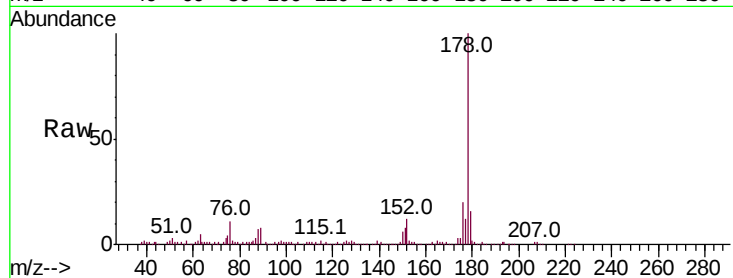
Tot Ion:178 Resp: 272335

Ion Ratio Lower Upper

178 100

179 15.6 13.3 19.9

176 19.9 15.5 23.3



#71

Anthracene

Concen: 9.228 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

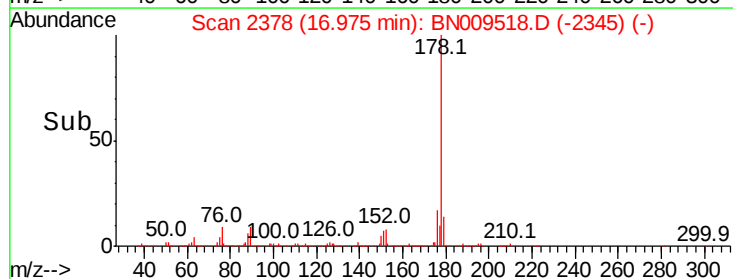
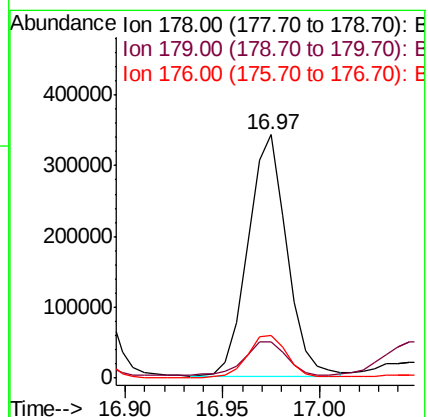
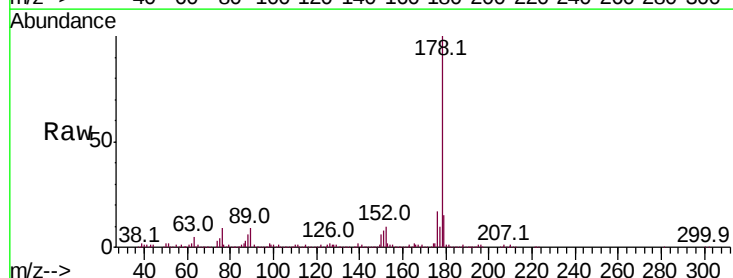
Tgt Ion:178 Resp: 467025

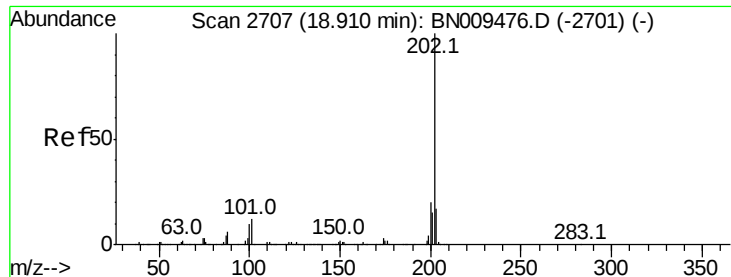
Ion Ratio Lower Upper

178 100

179 14.9 11.8 17.6

176 17.4 14.6 22.0

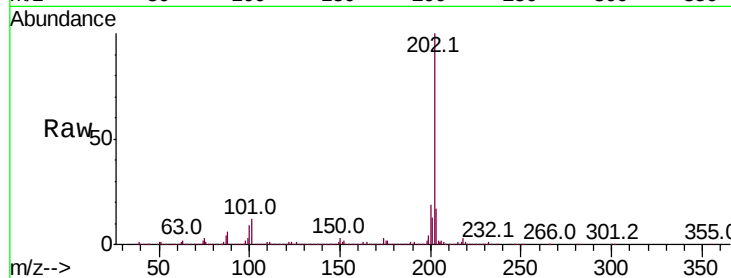




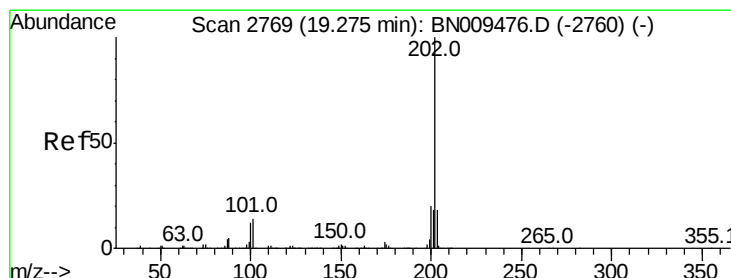
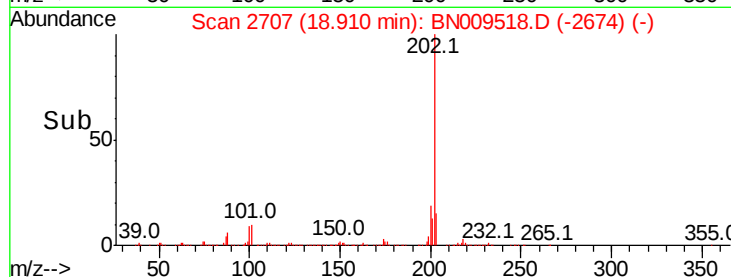
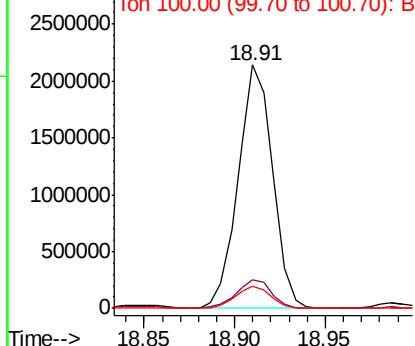
#76
Fluoranthene
Concen: 49.276 ng/ul
RT: 18.91 min Scan# 2707
Delta R.T. -0.01 min
Lab File: BN009518.D
Acq: 31 Jan 2020 19:24

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 2807713
Ion Ratio Lower Upper
202 100
101 11.8 9.7 14.5
100 9.1 7.1 10.7

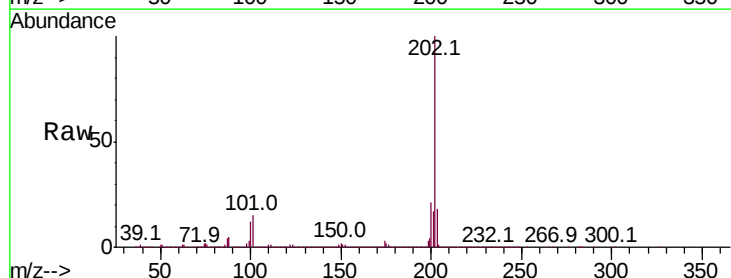


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

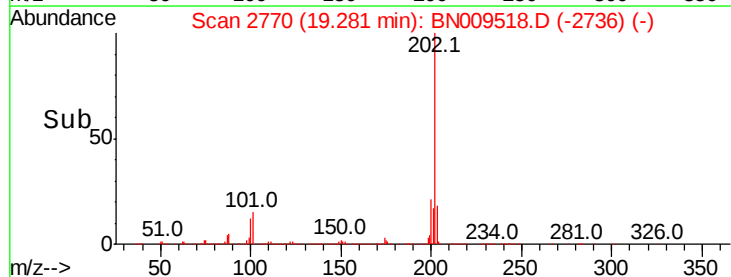
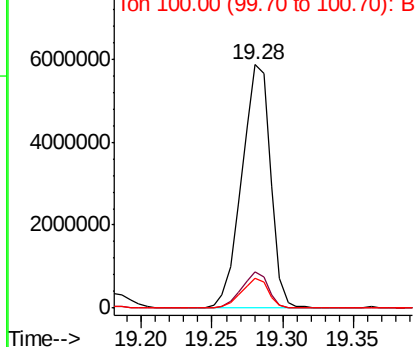


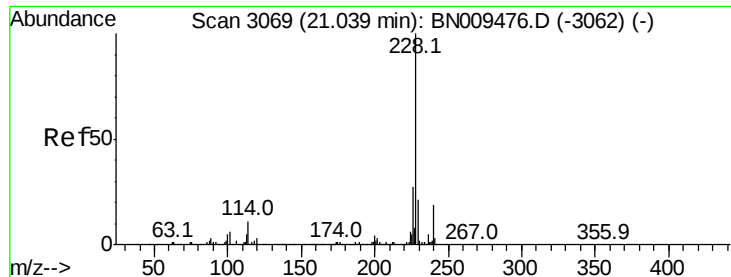
#79
Pyrene
Concen: 157.338 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BN009518.D
Acq: 31 Jan 2020 19:24

Tgt Ion:202 Resp: 8335057
Ion Ratio Lower Upper
202 100
101 14.7 10.9 16.3
100 12.1 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: 44.837 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.05 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :

BNA_N

ClientSampleId :

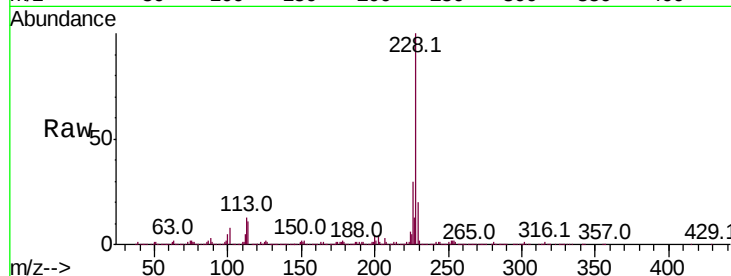
Tot Ion:228 Resp: 2233916

Ion Ratio Lower Upper

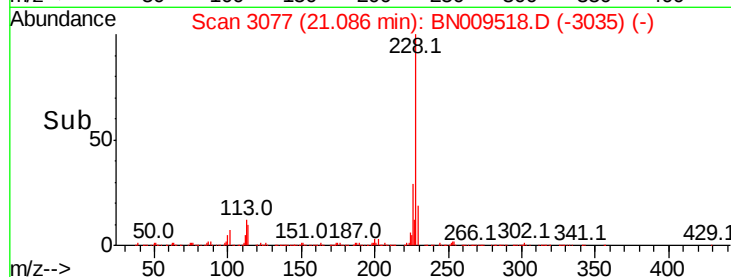
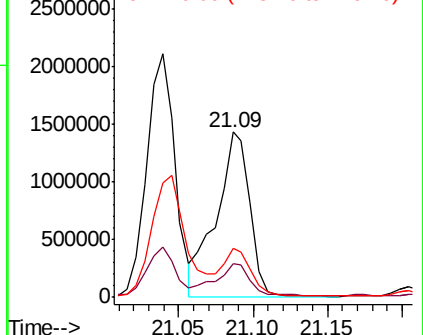
228 100

229 20.5 15.9 23.9

226 30.0 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: 46.027 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

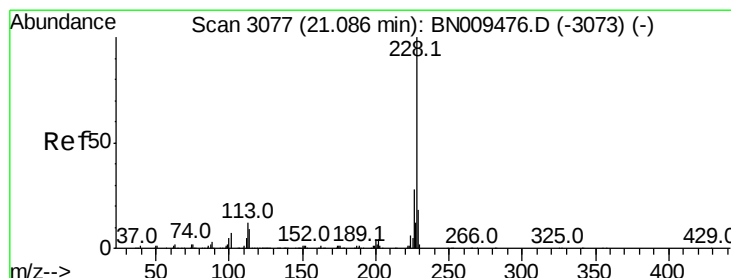
Tgt Ion:228 Resp: 2233916

Ion Ratio Lower Upper

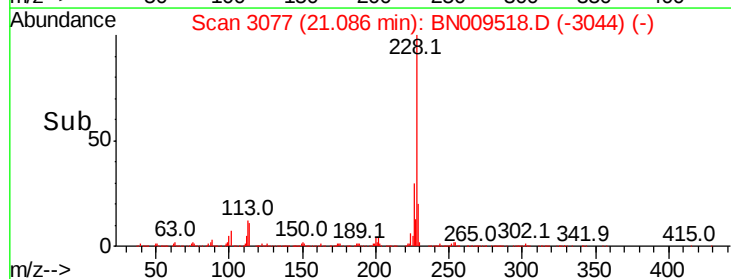
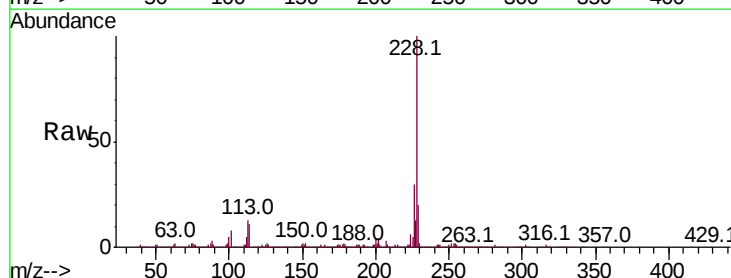
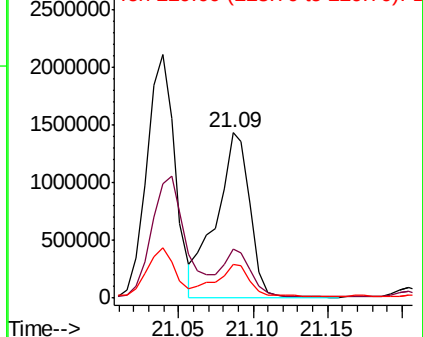
228 100

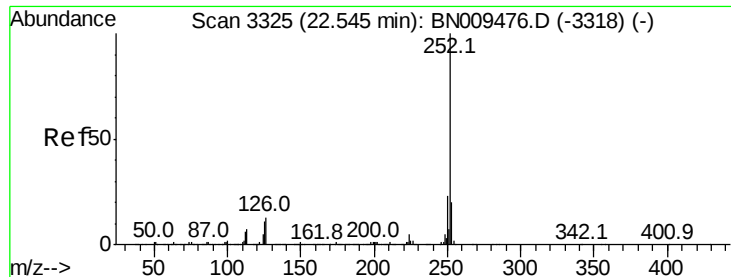
226 30.0 22.9 34.3

229 20.5 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: 16.283 ng/ul

RT: 22.71 min Scan# 3353

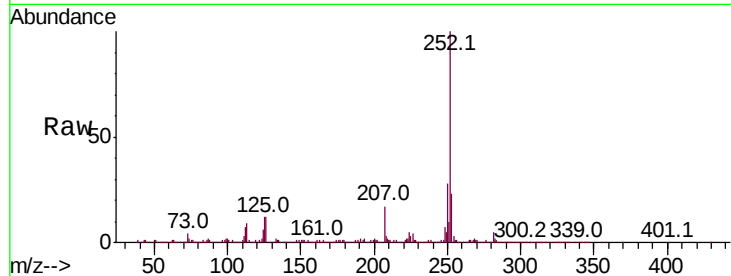
Delta R.T. 0.16 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :
BNA_N
ClientSampleId :

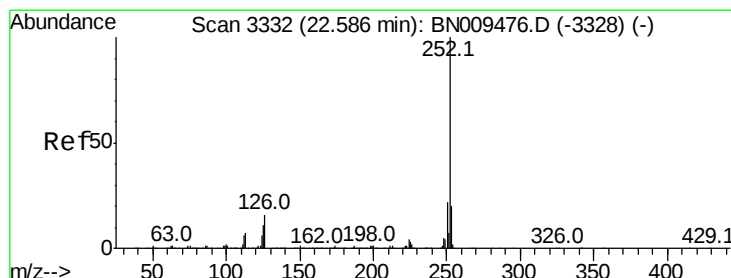
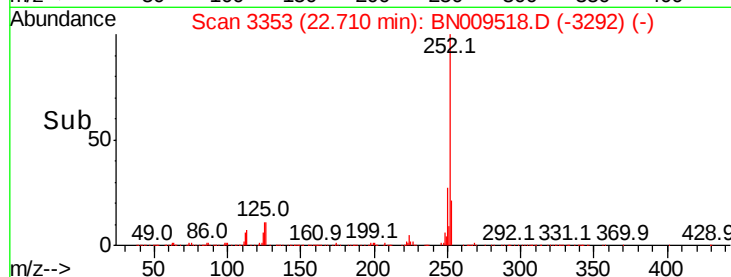
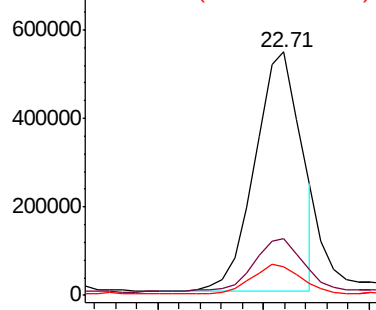
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.5	24.7
125	11.7	8.2	12.2



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: 18.044 ng/ul

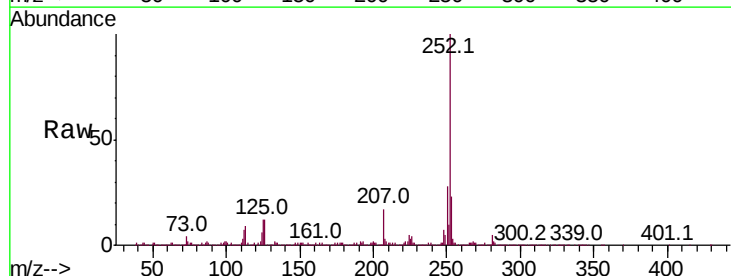
RT: 22.71 min Scan# 3353

Delta R.T. 0.12 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

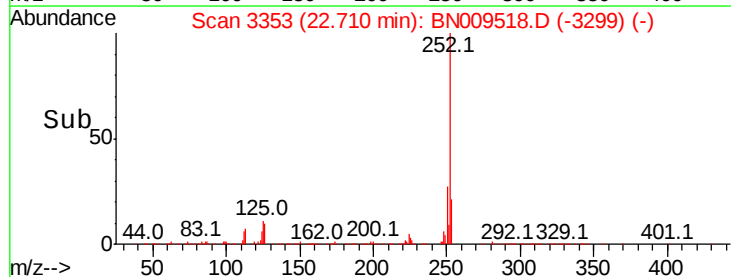
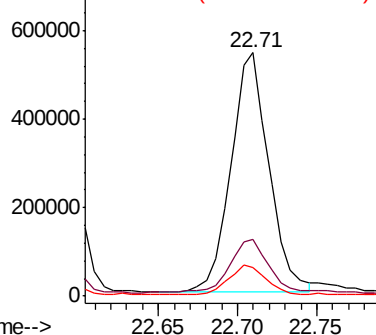
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.7	7.8	11.8

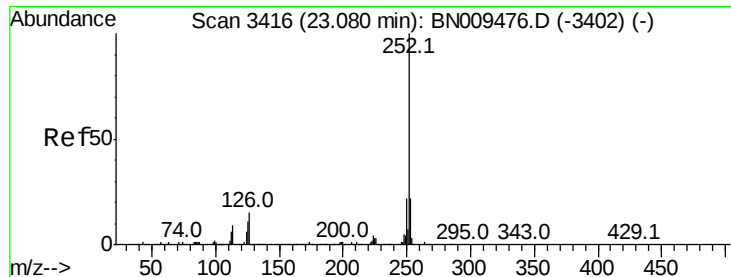


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

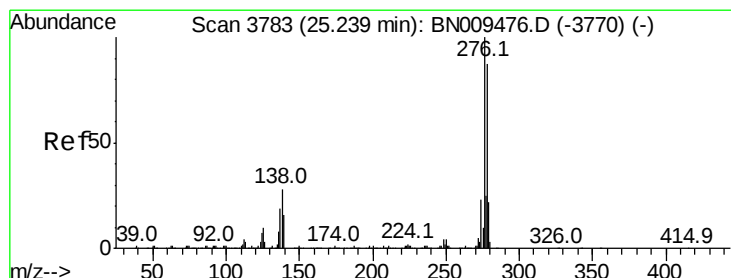
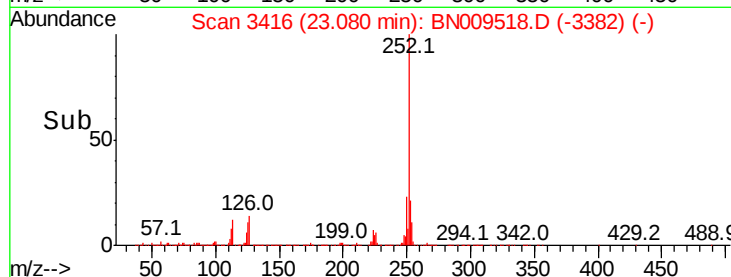
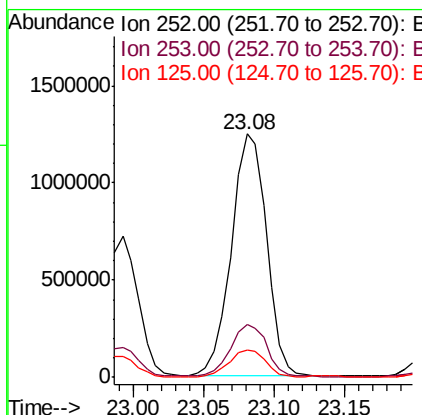
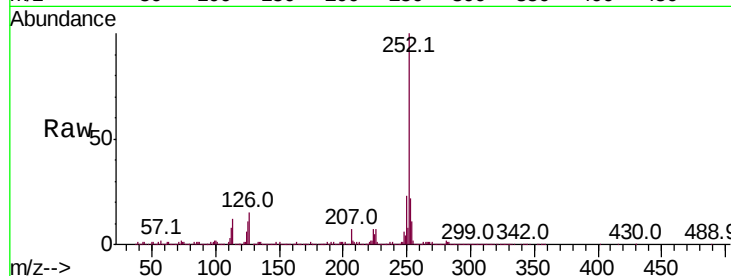




#90
Benzo(a)pyrene
Concen: 47.345 ng/ul
RT: 23.08 min Scan# 3416
Delta R.T. -0.00 min
Lab File: BN009518.D
Acq: 31 Jan 2020 19:24

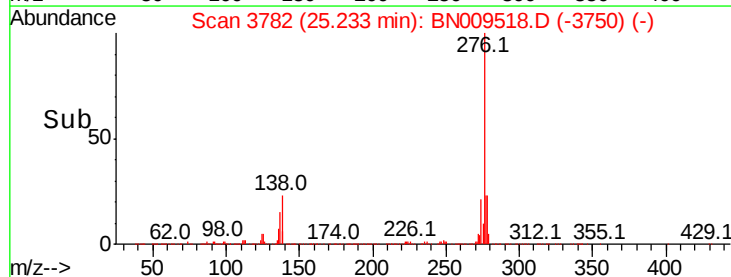
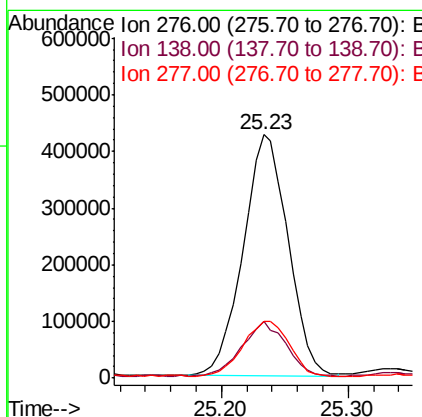
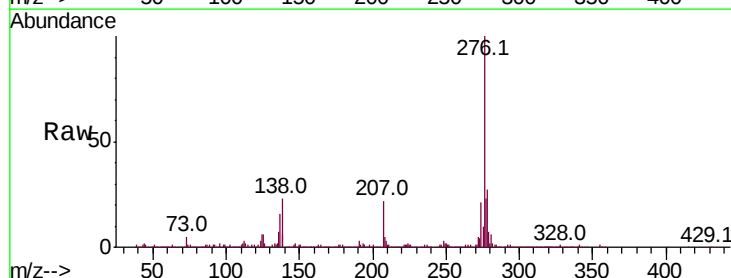
Instrument :
BNA_N
ClientSampled :

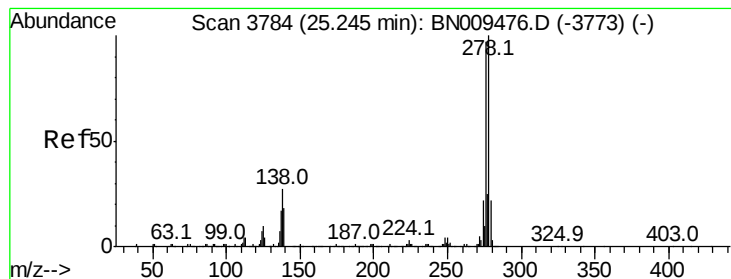
Tot Ion:252 Resp: 2162597
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 11.3 9.8 14.6



#91
Indeno(1,2,3-cd)pyrene
Concen: 18.926 ng/ul
RT: 25.23 min Scan# 3782
Delta R.T. -0.01 min
Lab File: BN009518.D
Acq: 31 Jan 2020 19:24

Tgt Ion:276 Resp: 1047674
Ion Ratio Lower Upper
276 100
138 29.9 21.4 32.0
277 23.5 20.4 30.6





#92

Dibenzo(a,h)anthracene

Concen: 2.983 ng/ul

RT: 25.34 min Scan# 3800

Delta R.T. 0.09 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

Instrument :

BNA_N

ClientSampleId :

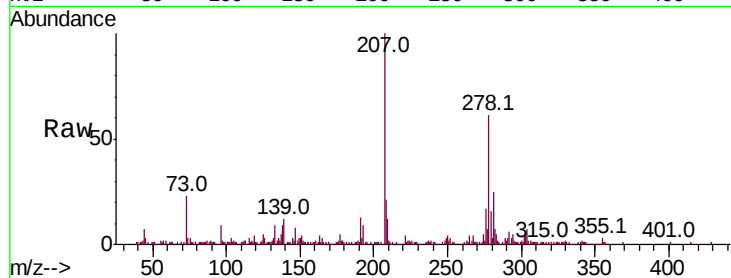
Tot Ion:278 Resp: 139322

Ion Ratio Lower Upper

278 100

139 19.4 13.9 20.9

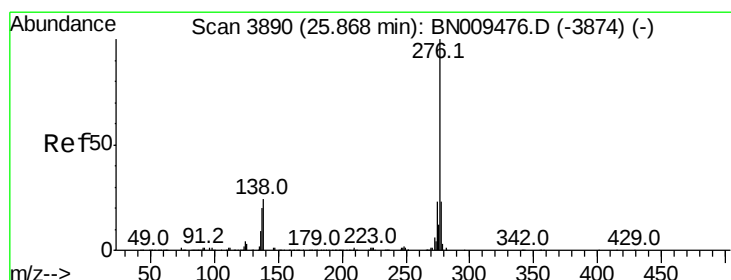
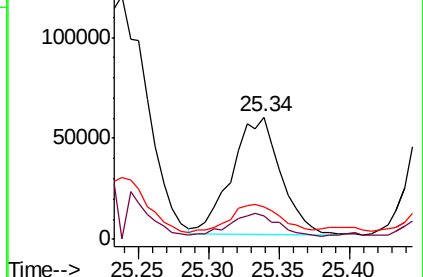
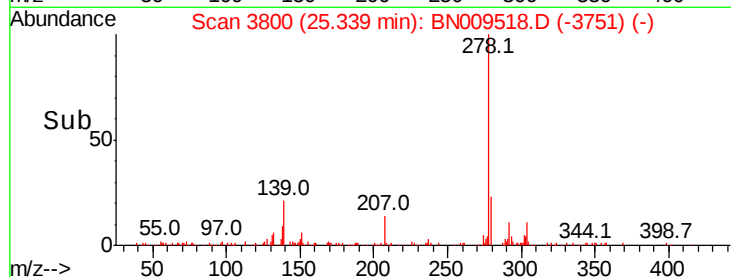
279 26.4 19.3 28.9



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(g,h,i)perylene

Concen: 15.964 ng/ul

RT: 25.86 min Scan# 3889

Delta R.T. -0.01 min

Lab File: BN009518.D

Acq: 31 Jan 2020 19:24

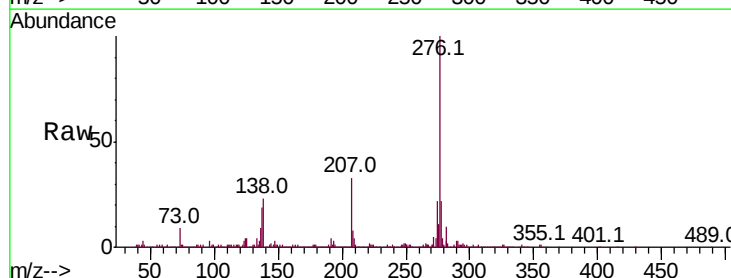
Tgt Ion:276 Resp: 735027

Ion Ratio Lower Upper

276 100

138 22.5 16.6 24.8

277 21.9 18.7 28.1



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

