

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
 Data File : BN007687.D
 Acq On : 17 Sep 2019 04:50
 Operator : HP/JU
 Sample : K4633-08DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 17 05:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 16 18:09:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	731551	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	3069209	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1925372	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	3999315	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	3654003	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	4158493	20.00	ng/ul	0.00

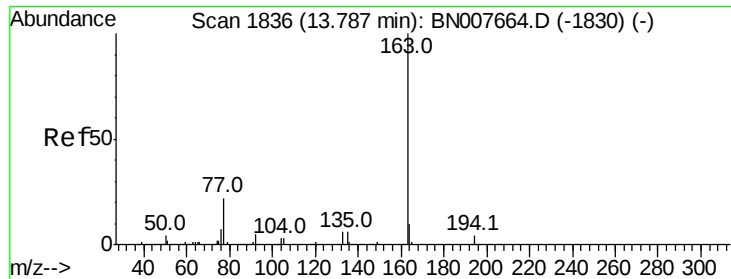
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	7835	0.41	ng/uL	0.01
5) Phenol-d5	6.88	99	173261	2.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	90906	2.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	138548	2.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	134257	2.53	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	61314	2.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	55512	2.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	135917	2.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	78072	1.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	427952	2.79	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	495663	2.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	39768	1.46	ng/ul	0.00
57) Fluorene-d10	15.33	176	377291	2.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	9135	0.42	ng/ul	0.00
70) Anthracene-d10	17.17	188	589934	2.96	ng/ul	0.00
78) Pyrene-d10	19.47	212	645883	3.28	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	656729	3.04	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.79	163	179356	1.148	ng/ul 100
49) Acenaphthene	14.39	153	179499	1.381	ng/ul 98
69) Phenanthrene	17.12	178	3202207	13.502	ng/ul 99
71) Anthracene	17.21	178	551069	2.321	ng/ul 97
74) Carbazole	17.47	167	527709	2.628	ng/ul 99
76) Fluoranthene	19.14	202	7267729	27.935	ng/ul 99
79) Pyrene	19.50	202	6878919	28.272	ng/ul 99
82) Benzo(a)anthracene	21.26	228	4686835	18.001	ng/ul 96
84) Chrysene	21.30	228	5522921	22.799	ng/ul 96
87) Benzo(b)fluoranthene	22.83	252	7310824	27.185	ng/ul 98
88) Benzo(k)fluoranthene	22.83	252	7310824	27.974	ng/ul 98
90) Benzo(a)pyrene	23.40	252	5113384	19.667	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.71	276	3455788	11.313	ng/ul 96
92) Dibenzo(a,h)anthracene	25.71	278	1001004	3.929	ng/ul# 79
93) Benzo(g,h,i)perylene	26.39	276	3136731	12.526	ng/ul 98

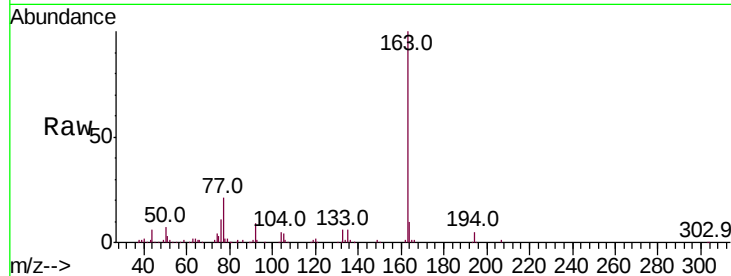
(#) = qualifier out of range (m) = manual integration (+) = signals summed



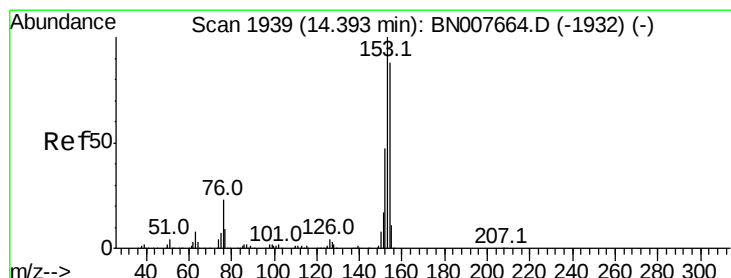
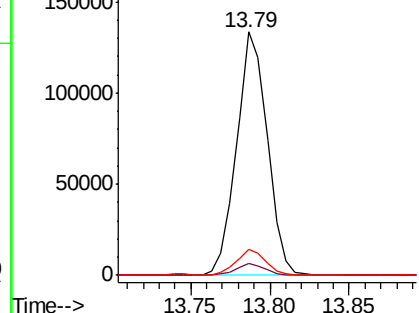
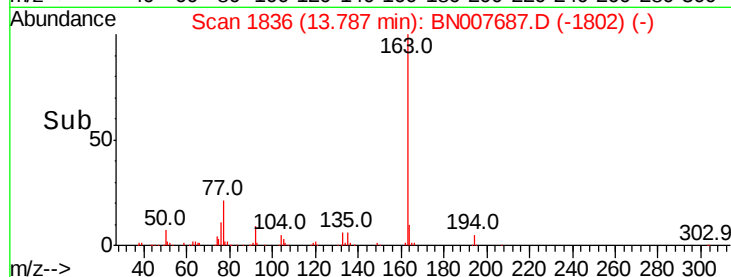
#44
Dimethylphthalate
Concen: 1.148 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007687.D
Acq: 17 Sep 2019 04:50

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	10.5	8.4	12.6

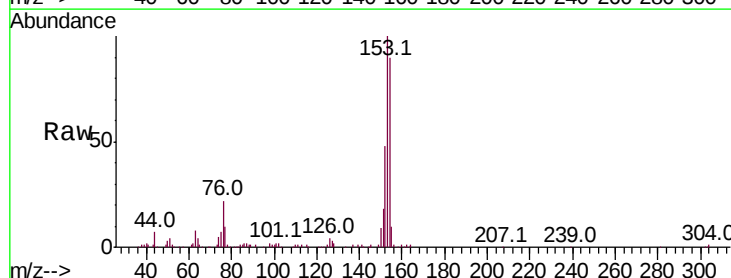


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

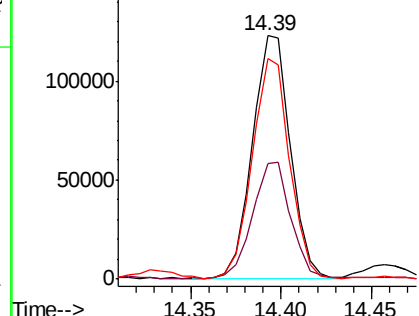
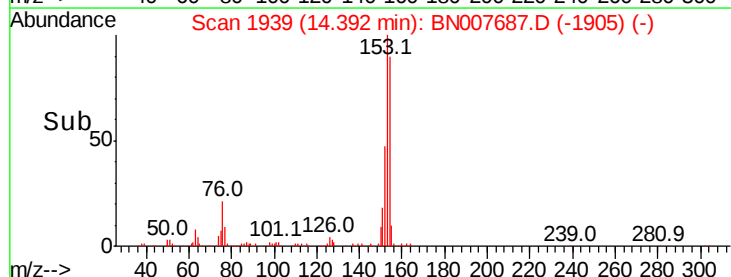


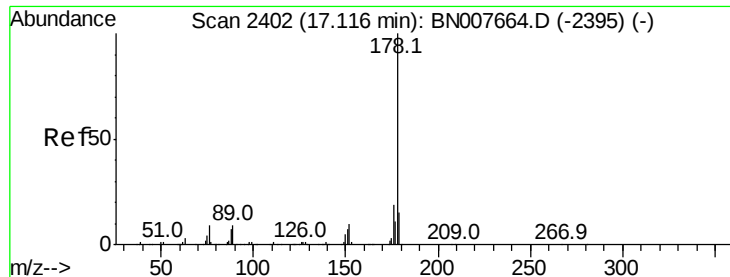
#49
Acenaphthene
Concen: 1.381 ng/ul
RT: 14.39 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BN007687.D
Acq: 17 Sep 2019 04:50

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.7	37.8	56.8
154	90.4	70.3	105.5



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





#69

Phenanthrene

Concen: 13.502 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

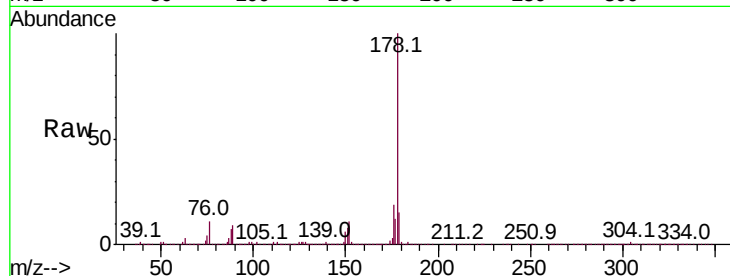
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 3202207

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	19.2	15.2	22.8

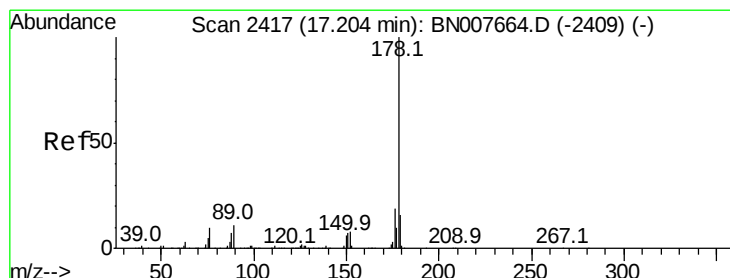
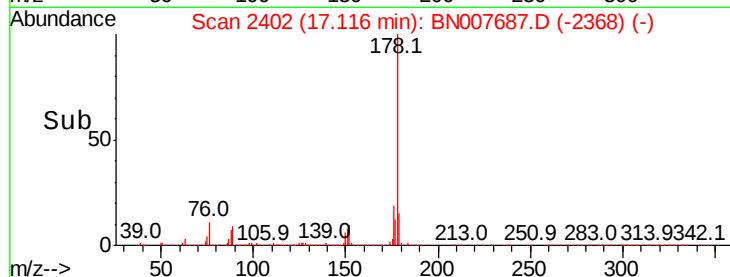
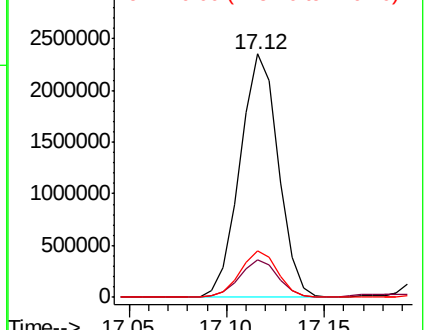


Abundance

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



#71

Anthracene

Concen: 2.321 ng/ul

RT: 17.21 min Scan# 2418

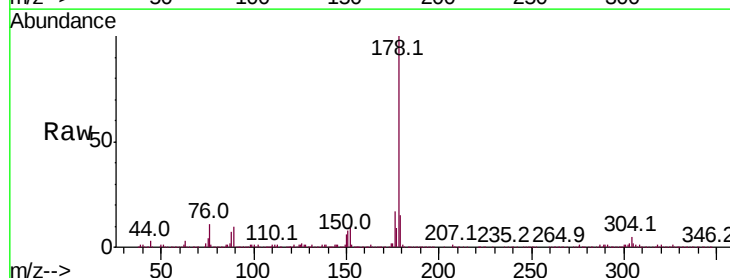
Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Tgt Ion:178 Resp: 551069

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.7	19.1
176	17.3	15.1	22.7

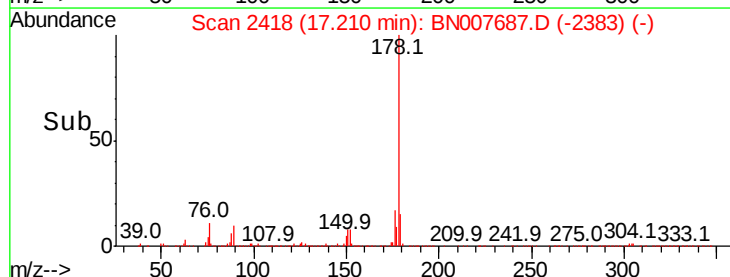
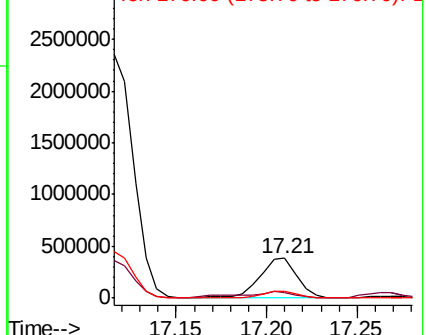


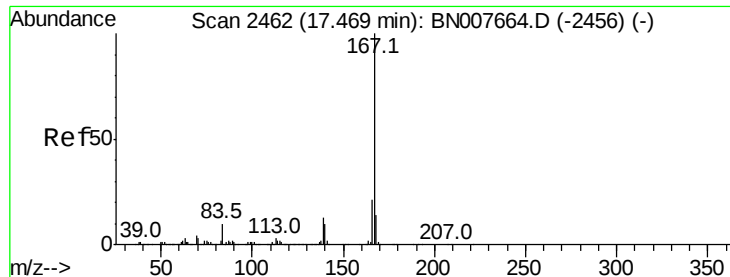
Abundance

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





#74

Carbazole

Concen: 2.628 ng/ul

RT: 17.47 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Instrument :

BNA_N

ClientSampleId :

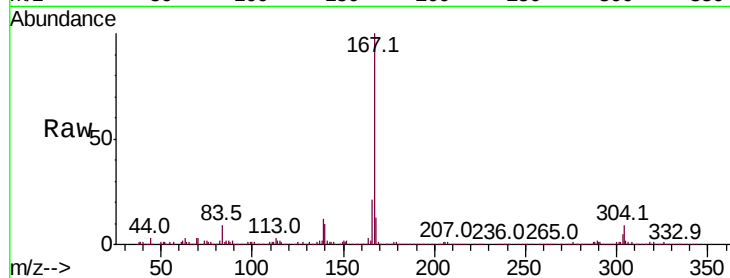
Tot Ion:167 Resp: 527709

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

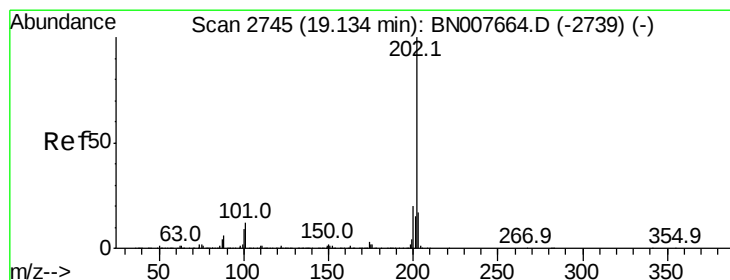
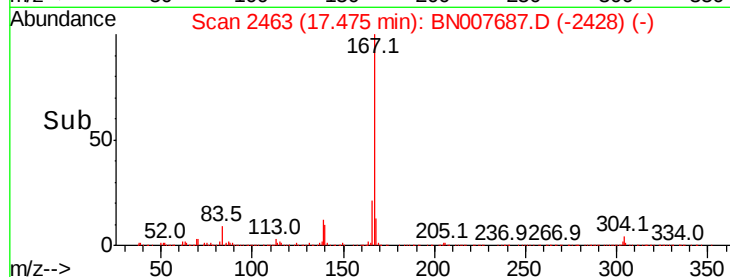
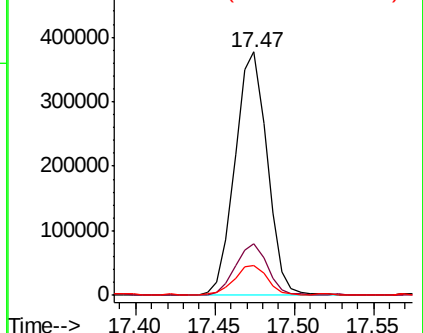
139 12.2 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 27.935 ng/ul

RT: 19.14 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

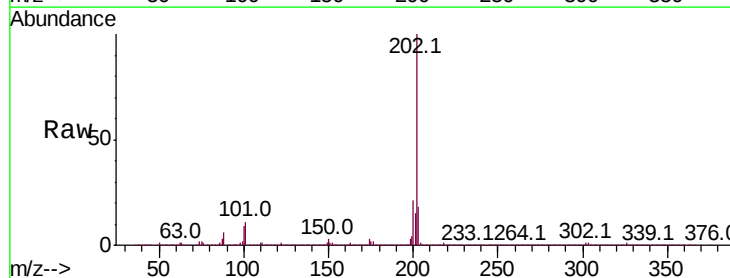
Tgt Ion:202 Resp: 7267729

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

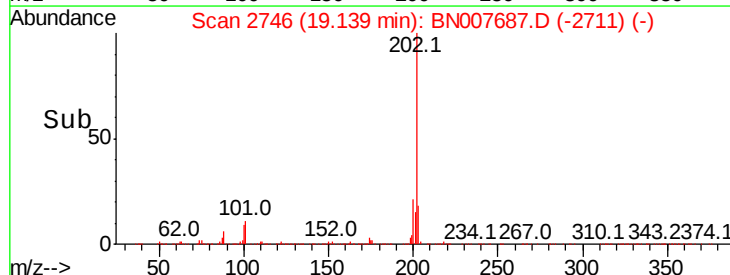
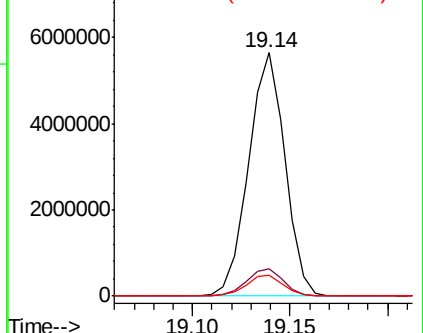
100 8.8 7.1 10.7

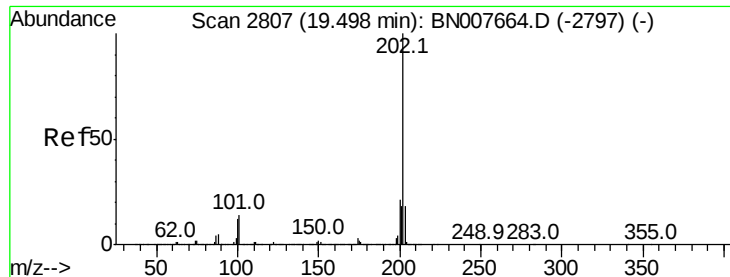


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 28.272 ng/ul

RT: 19.50 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Instrument :

BNA_N

ClientSampleId :

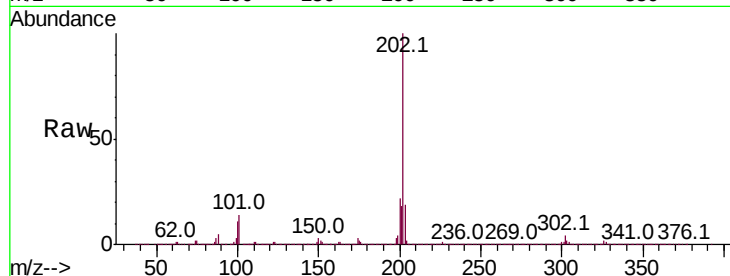
Tot Ion:202 Resp: 6878919

Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.2	16.8
100	11.2	9.4	14.0

202 100

101 13.7 11.2 16.8

100 11.2 9.4 14.0

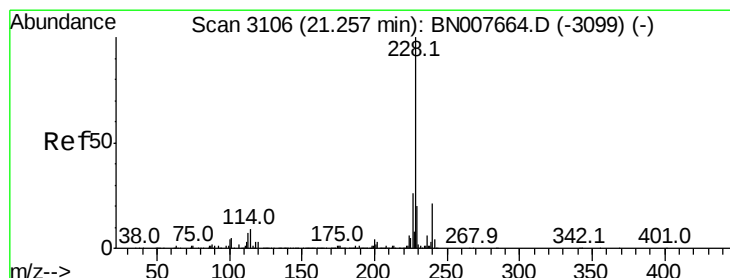
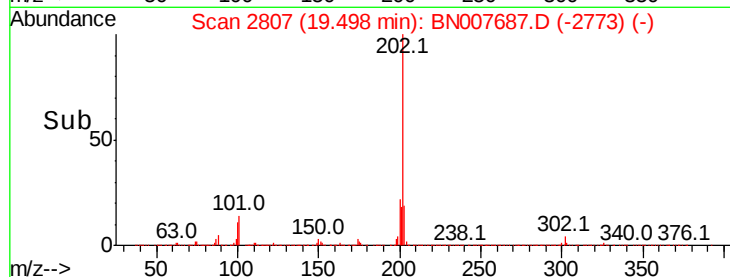
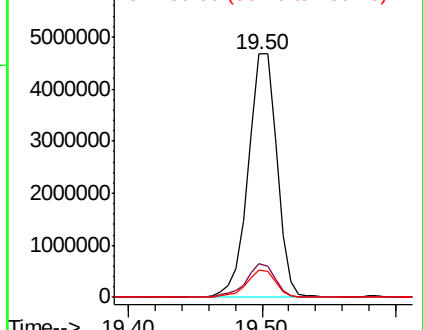


Abundance

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): E



#82

Benzo(a)anthracene

Concen: 18.001 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

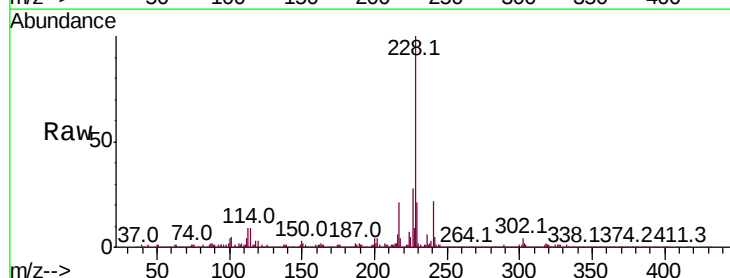
Tgt Ion:228 Resp: 4686835

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	28.3	20.9	31.3

228 100

229 21.2 15.7 23.5

226 28.3 20.9 31.3

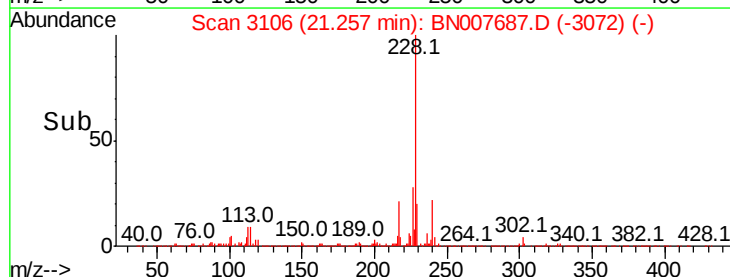
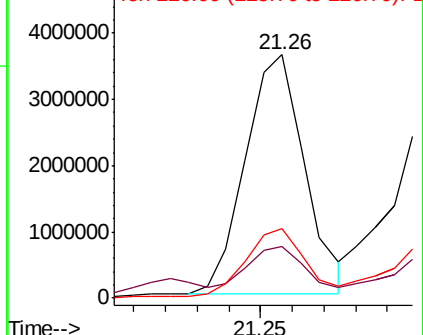


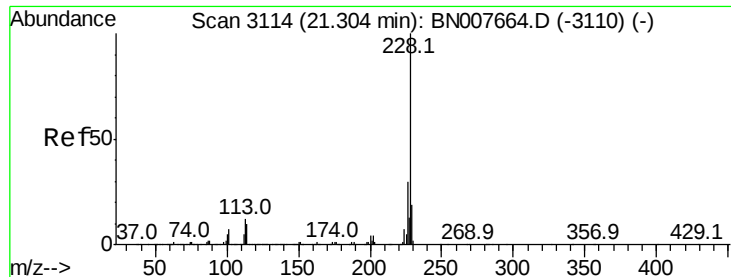
Abundance

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: 22.799 ng/ul

RT: 21.30 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

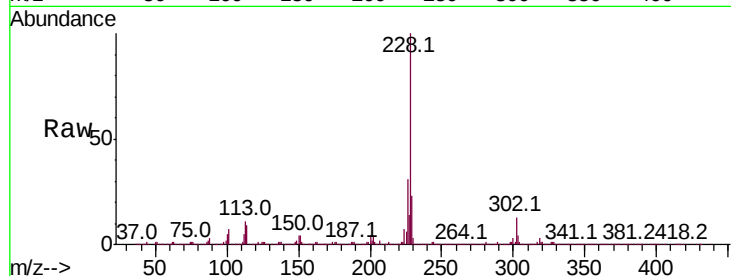
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5522921

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	22.9	15.5	23.3

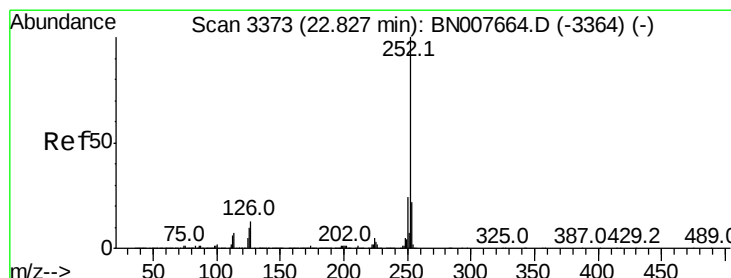
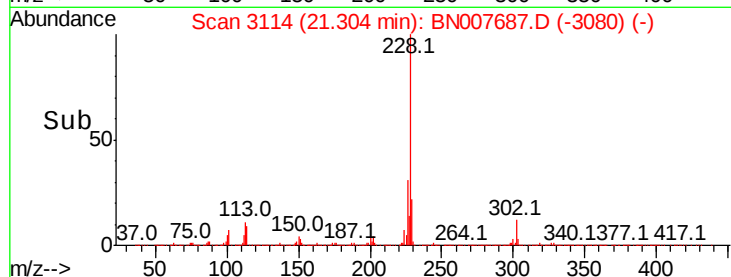
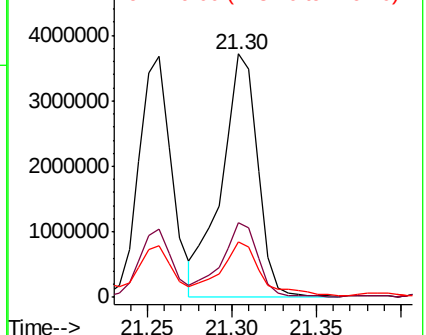


Abundance

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: 27.185 ng/ul

RT: 22.83 min Scan# 3374

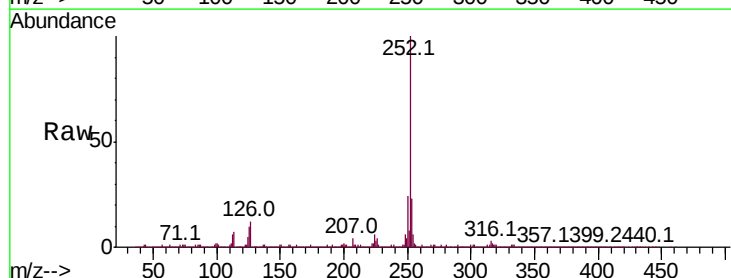
Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Tgt Ion:252 Resp: 7310824

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.7	8.0	12.0

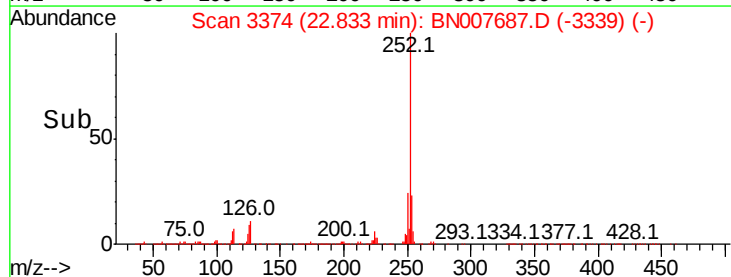
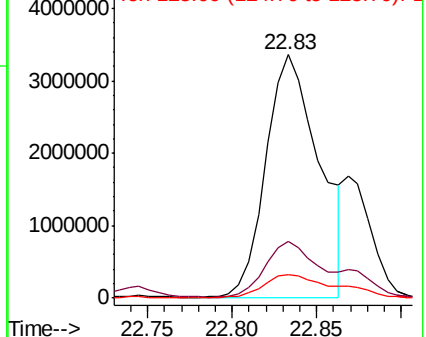


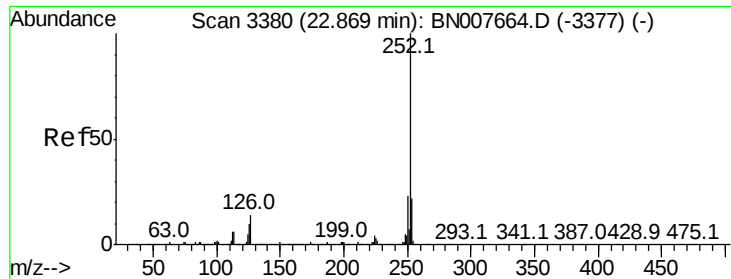
Abundance

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: 27.974 ng/ul

RT: 22.83 min Scan# 3374

Delta R.T. -0.04 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Instrument :

BNA_N

ClientSampleId :

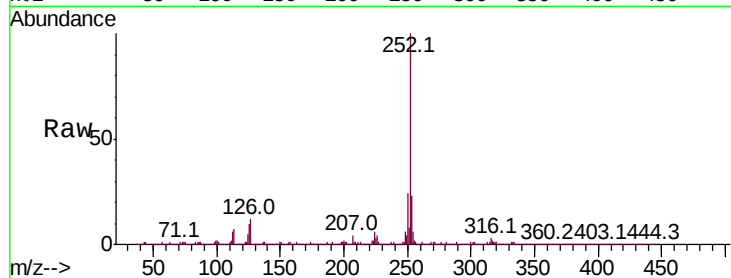
Tot Ion:252 Resp: 7310824

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

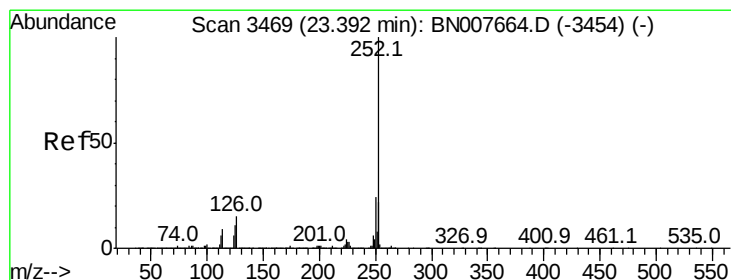
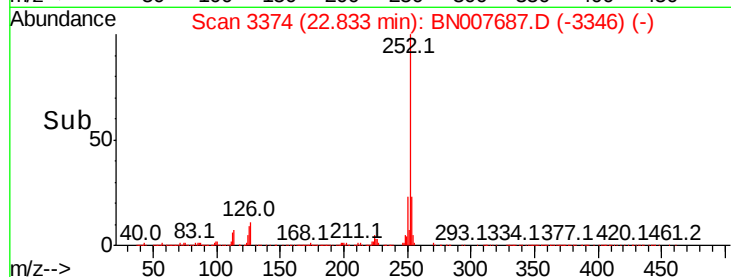
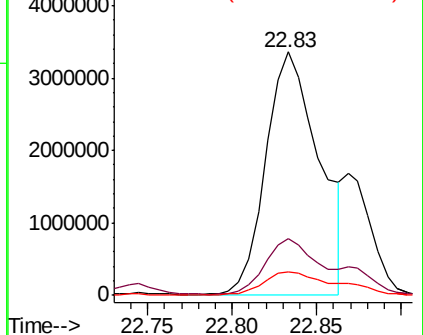
125 9.7 8.2 12.4



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: 19.667 ng/ul

RT: 23.40 min Scan# 3470

Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

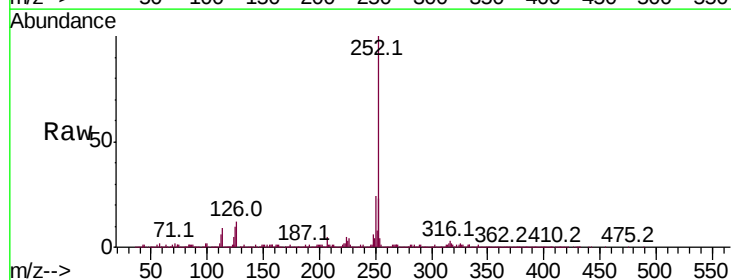
Tgt Ion:252 Resp: 5113384

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

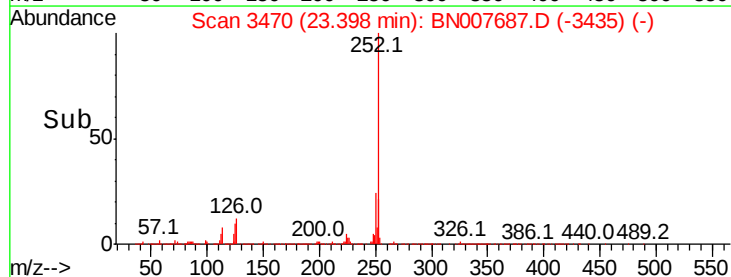
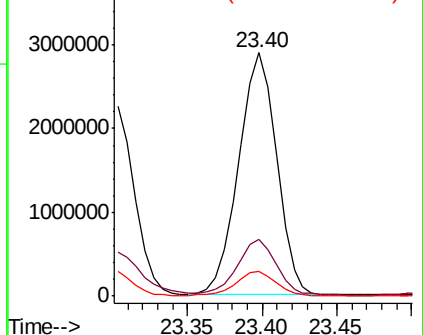
125 10.1 9.2 13.8

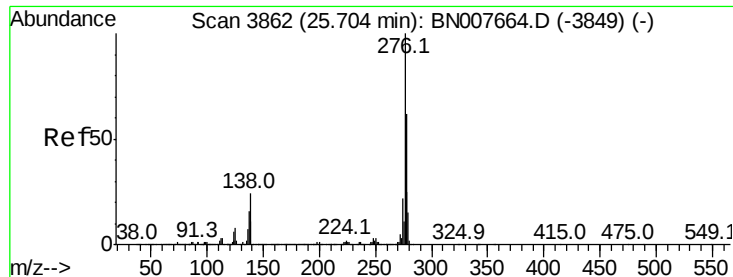


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



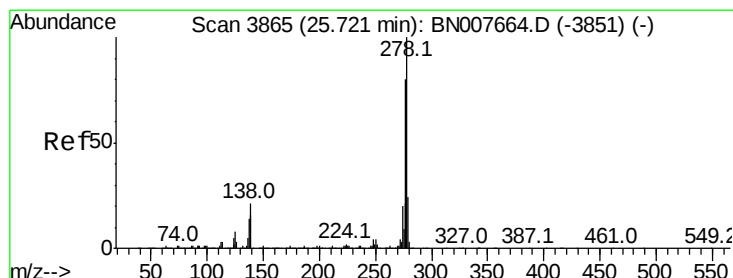
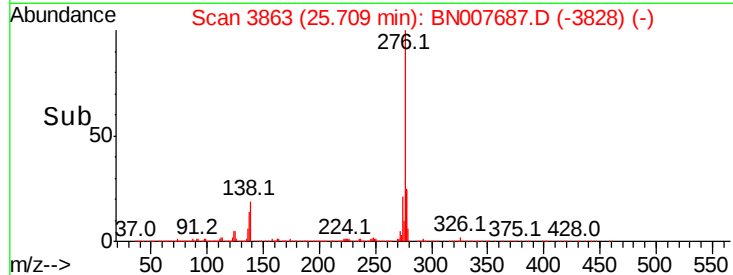
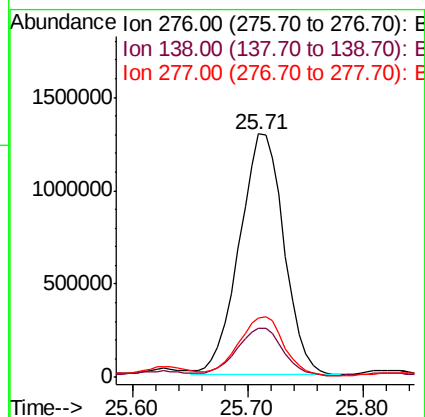
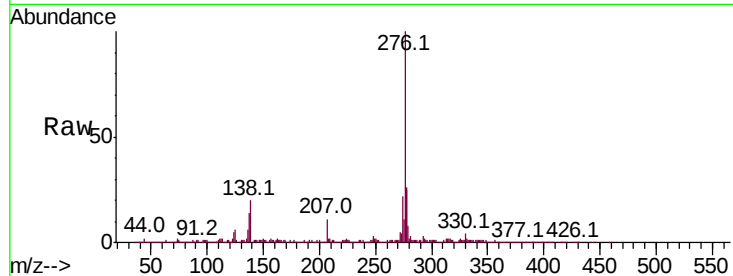


#91

Indeno(1,2,3-cd)pyrene
Concen: 11.313 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. 0.01 min
Lab File: BN007687.D
Acq: 17 Sep 2019 04:50

Instrument :
BNA_N
ClientSampleId :

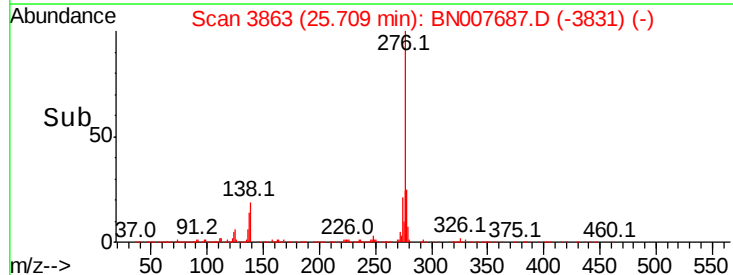
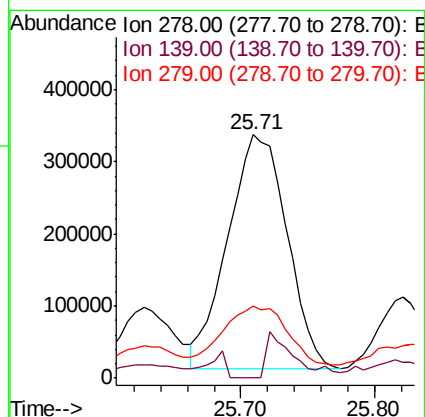
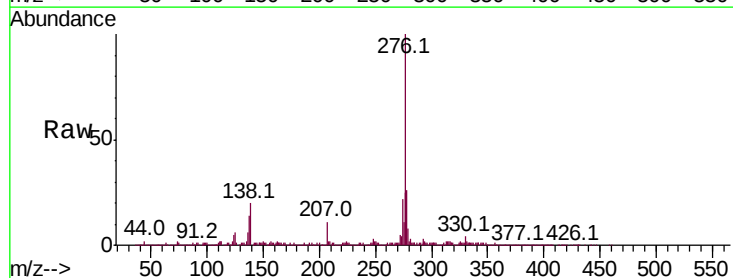
Tot Ion:276 Resp: 3455788
Ion Ratio Lower Upper
276 100
138 20.0 19.1 28.7
277 24.6 19.7 29.5

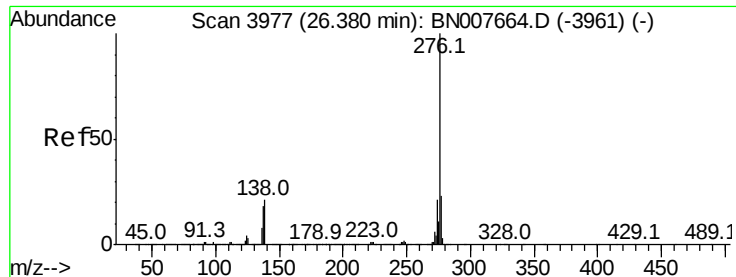


#92

Dibenzo(a,h)anthracene
Concen: 3.929 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. -0.01 min
Lab File: BN007687.D
Acq: 17 Sep 2019 04:50

Tgt Ion:278 Resp: 1001004
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 29.5 19.4 29.2#





#93

Benzo(a,h,i)perylene

Concen: 12.526 ng/ul

RT: 26.39 min Scan# 3979

Delta R.T. 0.01 min

Lab File: BN007687.D

Acq: 17 Sep 2019 04:50

Instrument :

BNA_N

ClientSampleId :

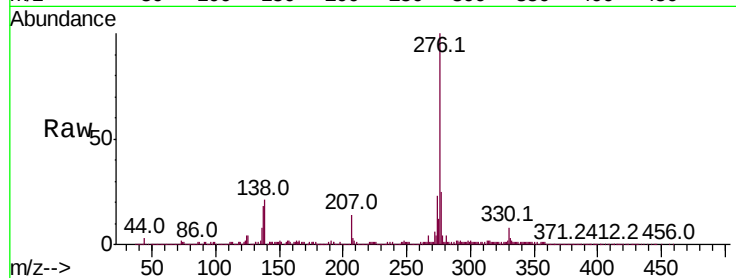
Tot Ion:276 Resp: 3136731

Ion Ratio Lower Upper

276 100

138 21.0 16.5 24.7

277 24.7 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

