

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009616.D
 Acq On : 06 Feb 2020 19:11
 Operator : CG/JU
 Sample : L1323-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:09:51 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	152963	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.18	136	641078	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.07	164	391258	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	782852	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	664061	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	762211	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	9205	2.47	ng/uL	0.00
5) Phenol-d5	6.63	99	192238	14.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	140219	15.65	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	152147	15.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	107802	10.15	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	74991	15.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	83498	15.69	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.82	165	150288	15.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	82762	7.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	503456	17.63	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	594295	17.22	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.31	143	72175	13.38	ng/ul	0.00
57) Fluorene-d10	15.07	176	437967	17.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	68903	14.09	ng/ul	0.00
70) Anthracene-d10	16.93	188	643638	18.09	ng/ul	0.00
78) Pyrene-d10	19.24	212	699814	20.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	671819	17.90	ng/ul	0.00

Target Compounds

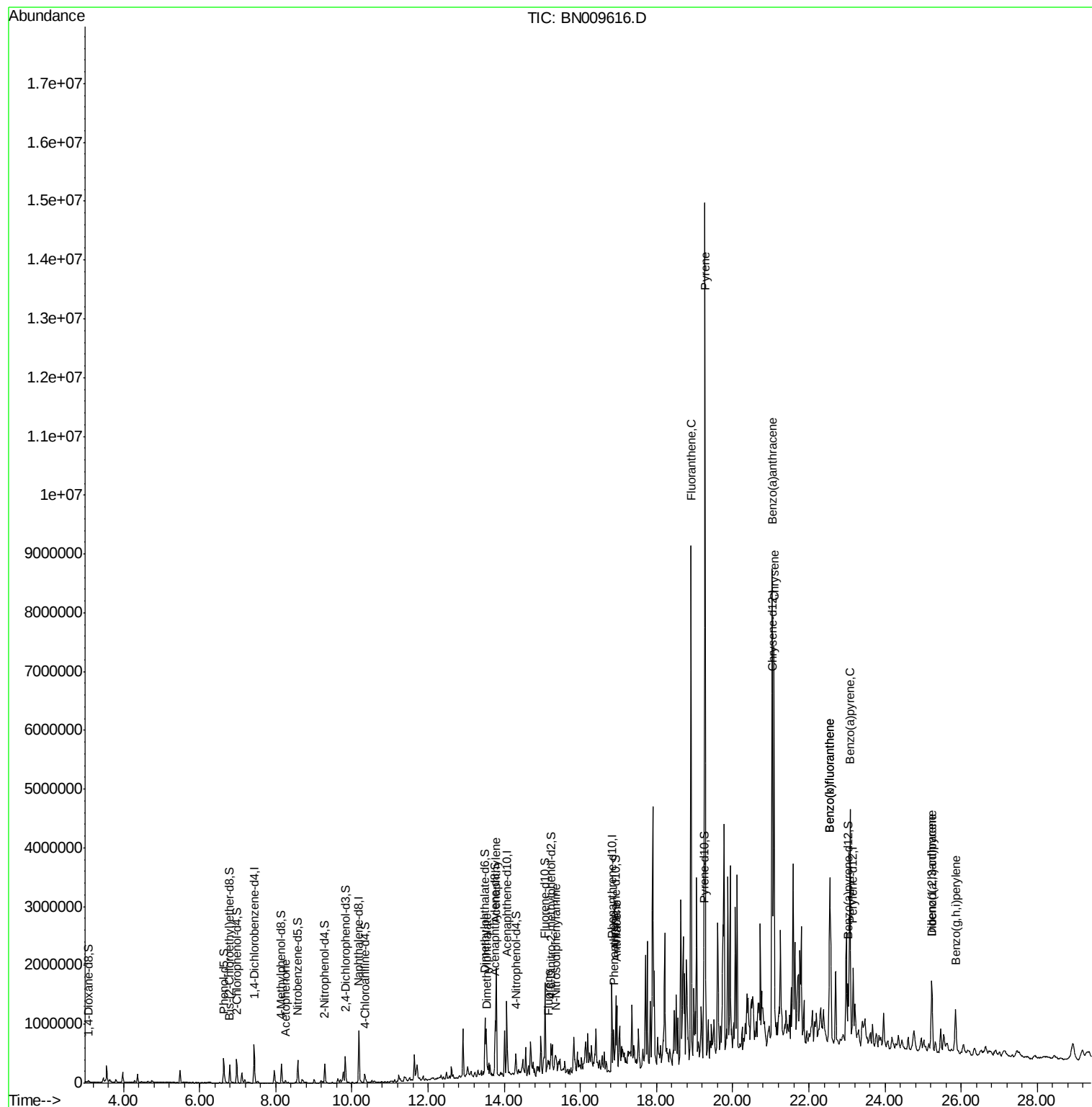
					Ovalue	
14) Acetophenone	8.26	105	18552	1.091	ng/ul	95
44) Dimethylphthalate	13.55	163	89219	2.943	ng/ul	99
47) Acenaphthylene	13.79	152	1187833	31.452	ng/ul	99
58) Fluorene	15.15	166	98280	3.289	ng/ul#	37
64) N-Nitrosodiphenylamine	15.35	169	41556	1.776	ng/ul#	76
69) Phenanthrene	16.87	178	396108	8.872	ng/ul	98
71) Anthracene	16.96	178	638724	14.100	ng/ul	98
76) Fluoranthene	18.90	202	4308454	84.555	ng/ul	98
79) Pvrene	19.27	202	8388561	173.044	ng/ul	96
82) Benzo(a)anthracene	21.03	228	3466501	75.605	ng/ul#	78
84) Chrysene	21.09	228	3207568	70.272	ng/ul	94
87) Benzo(b)fluoranthene	22.55	252	2114426	44.339	ng/ul	98
88) Benzo(k)fluoranthene	22.55	252	2114426	45.022	ng/ul	98
90) Benzo(a)pyrene	23.07	252	2164932	48.999	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.23	276	917566	17.468	ng/ul	95
92) Dibenzo(a,h)anthracene	25.23	278	349738	7.910	ng/ul#	95
93) Benzo(g,h,i)perylene	25.85	276	769513	17.479	ng/ul	96

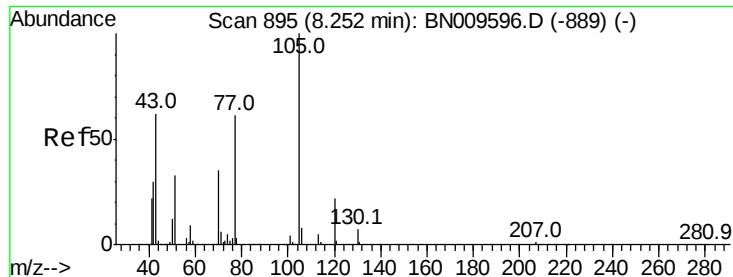
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.091 ng/ul

RT: 8.26 min Scan# 896

Delta R.T. -0.00 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Instrument :

BNA_N

ClientSampled :

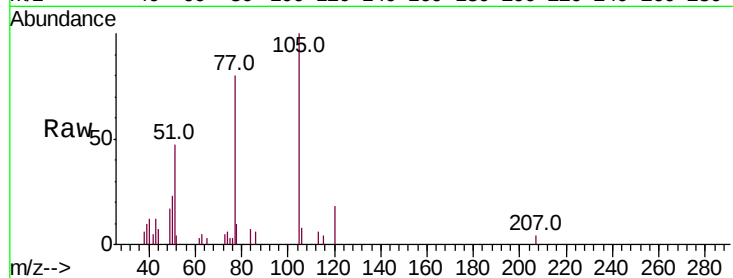
Tot Ion:105 Resp: 18552

Ion Ratio Lower Upper

105 100

77 80.3 67.7 101.5

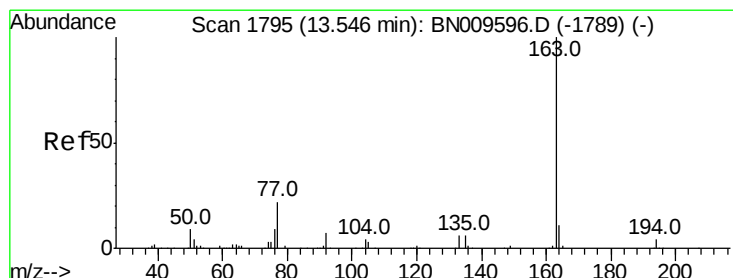
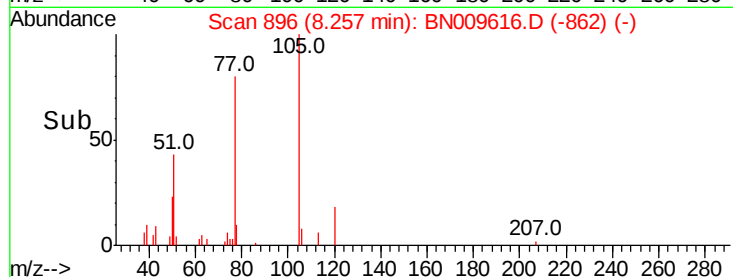
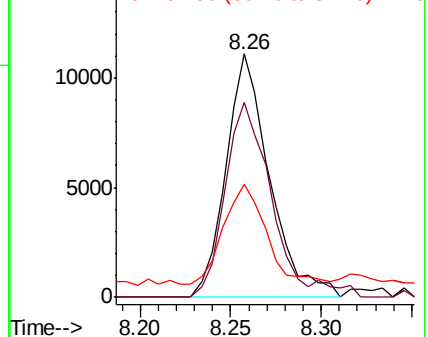
51 46.6 34.3 51.5



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#44

Dimethylphthalate

Concen: 2.943 ng/ul

RT: 13.55 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

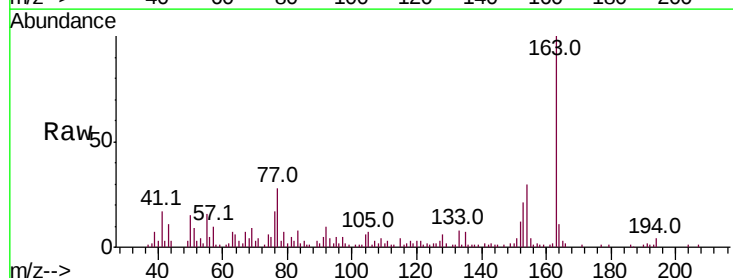
Tgt Ion:163 Resp: 89219

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

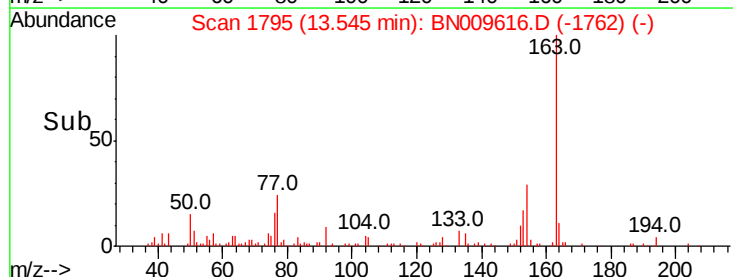
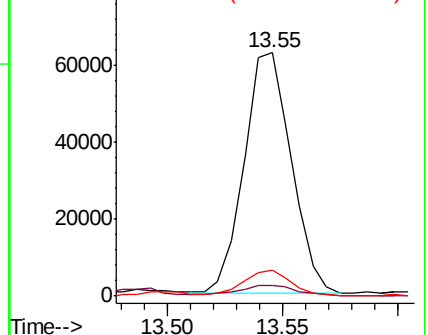
164 10.7 8.0 12.0

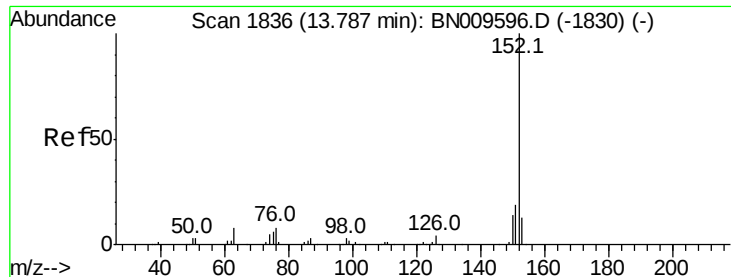


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 31.452 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

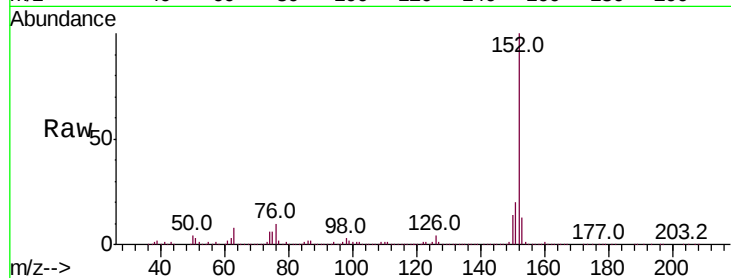
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 1187833

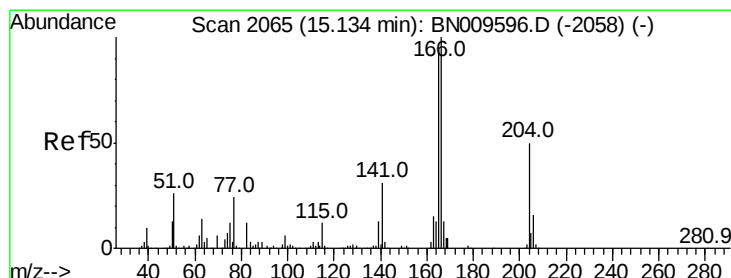
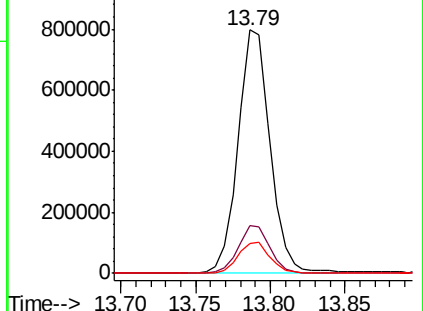
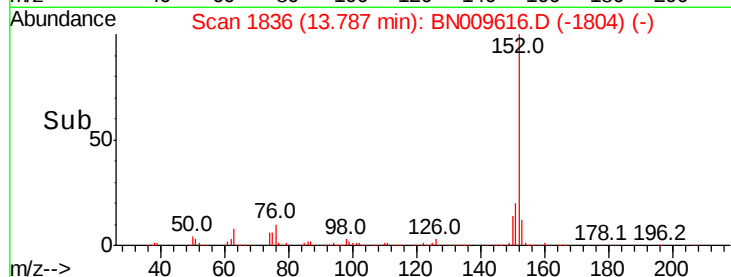
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.5	10.6	15.8



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



#58

Fluorene

Concen: 3.289 ng/ul

RT: 15.15 min Scan# 2068

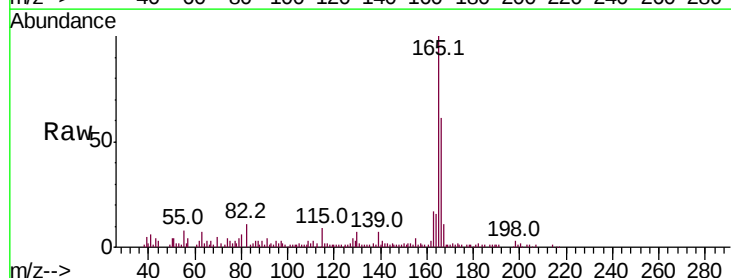
Delta R.T. 0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Tgt Ion:166 Resp: 98280

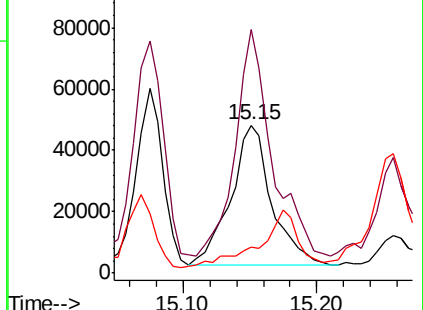
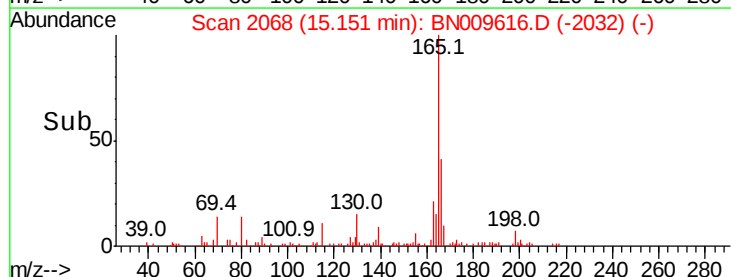
Ion	Ratio	Lower	Upper
166	100		
165	164.5	76.7	115.1#
167	17.7	11.1	16.7#

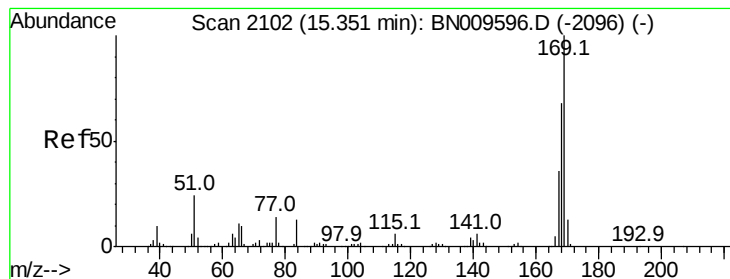


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 1.776 ng/ul

RT: 15.35 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Instrument :

BNA_N

ClientSampleId :

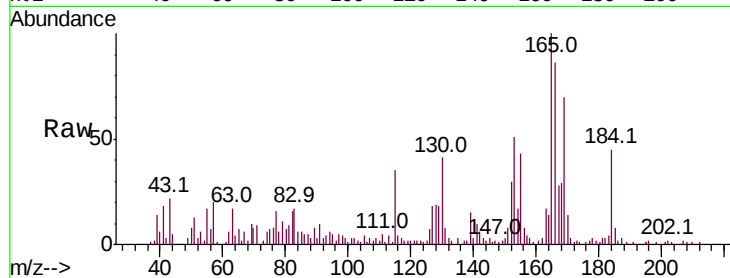
Tot Ion:169 Resp: 41556

Ion Ratio Lower Upper

169 100

168 41.5 53.8 80.8#

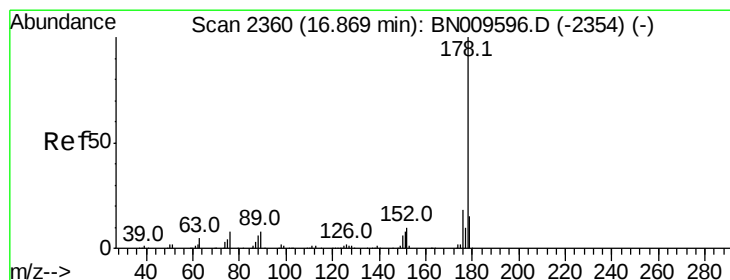
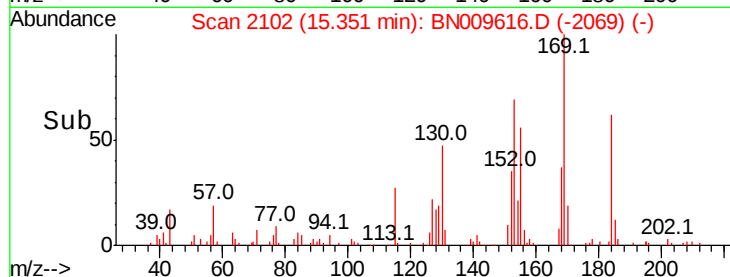
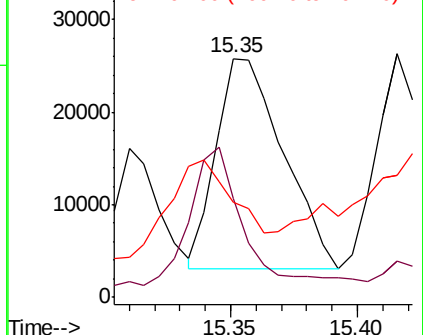
167 39.8 27.5 41.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 8.872 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

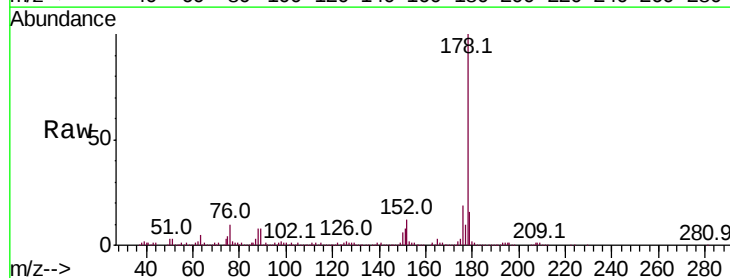
Tgt Ion:178 Resp: 396108

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.2

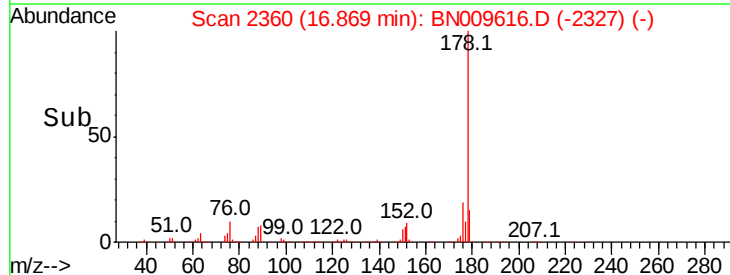
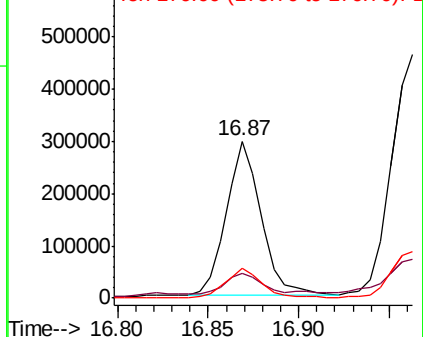
176 19.0 14.8 22.2

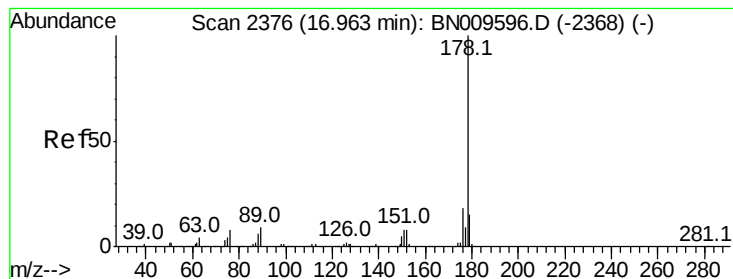


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 14.100 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

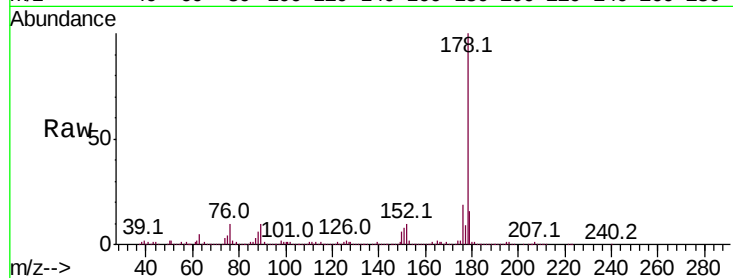
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 638724

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.1	18.1
176	18.9	14.6	21.8

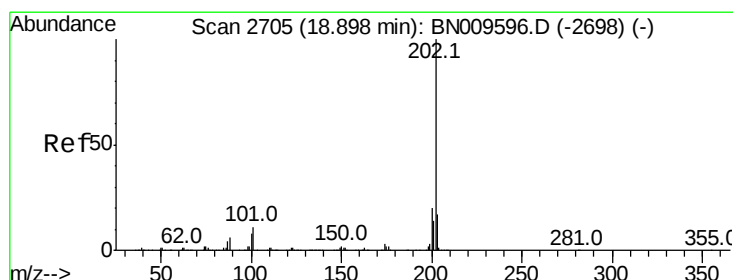
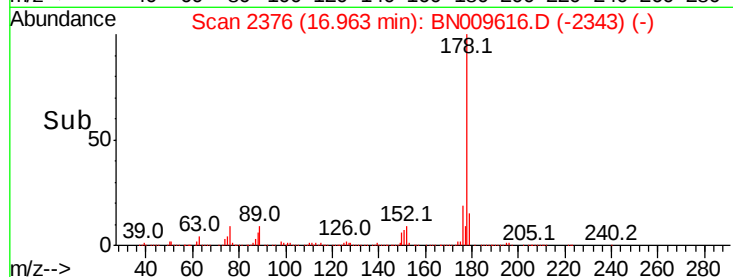
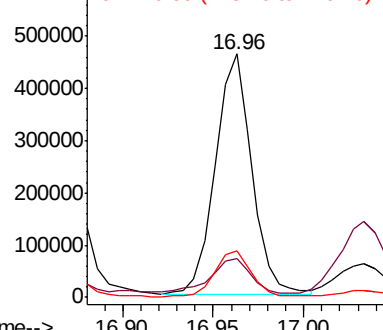


Abundance

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: 84.555 ng/ul

RT: 18.90 min Scan# 2706

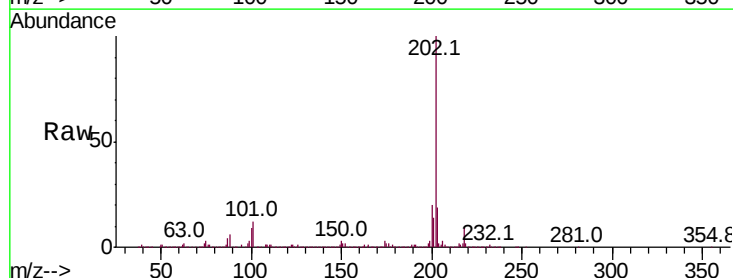
Delta R.T. -0.00 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Tgt Ion:202 Resp: 4308454

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
100	9.2	6.9	10.3

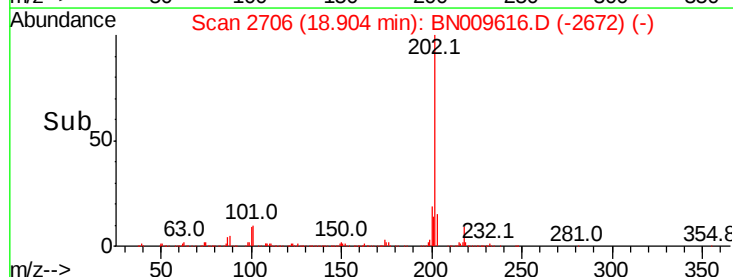
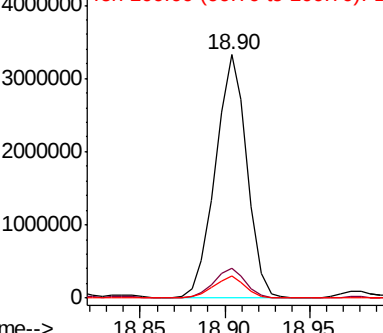


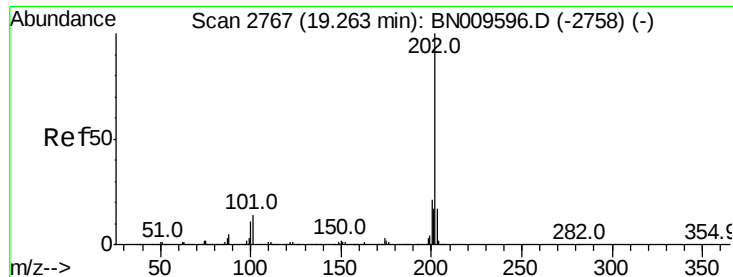
Abundance

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

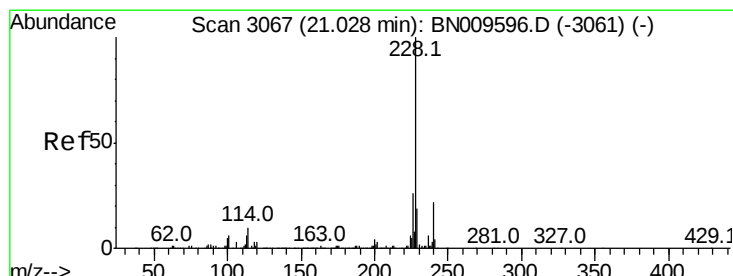
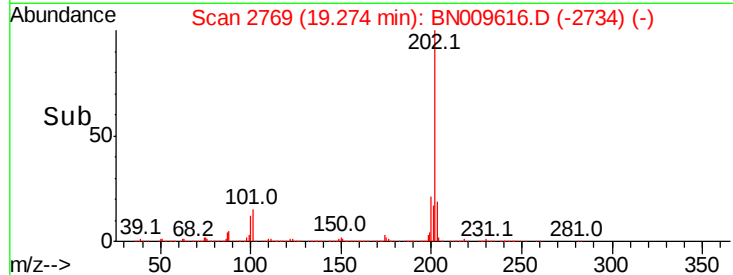
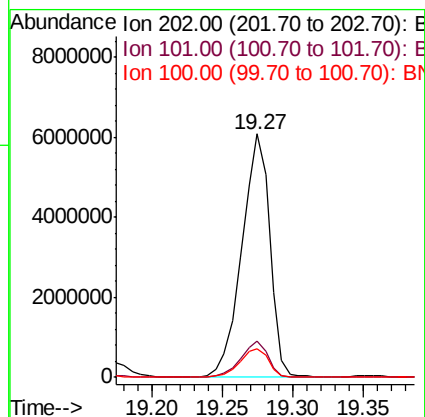
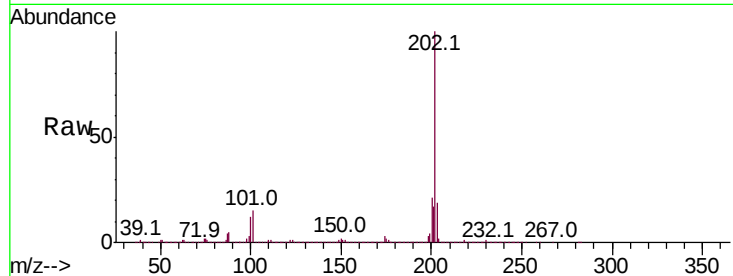




#79
Pvrene
Concen: 173.044 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.01 min
Lab File: BN009616.D
Acq: 06 Feb 2020 19:11

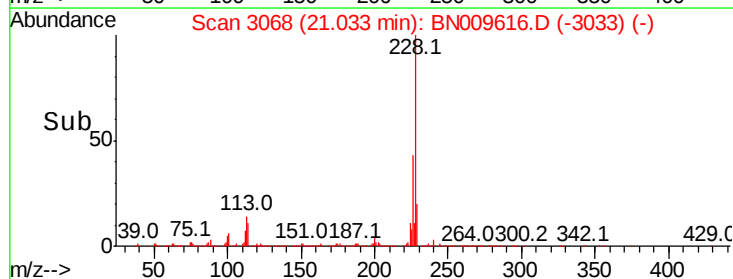
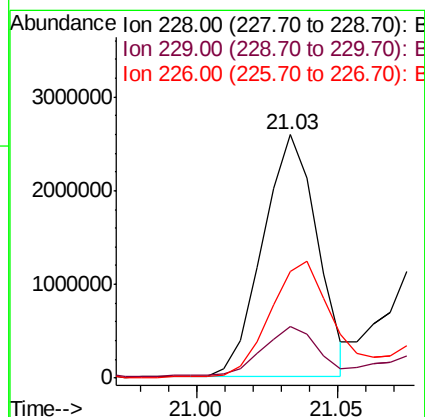
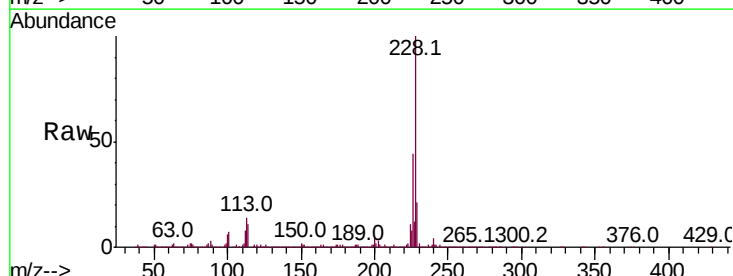
Instrument :
BNA_N
ClientSampleId :

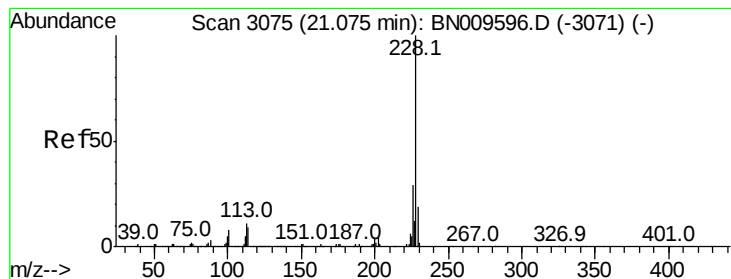
Tot Ion:202 Resp: 8388561
Ion Ratio Lower Upper
202 100
101 14.9 10.3 15.5
100 11.9 8.4 12.6



#82
Benzo(a)anthracene
Concen: 75.605 ng/ul
RT: 21.03 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BN009616.D
Acq: 06 Feb 2020 19:11

Tgt Ion:228 Resp: 3466501
Ion Ratio Lower Upper
228 100
229 21.0 15.0 22.4
226 43.6 20.9 31.3#





#84

Chrysene

Concen: 70.272 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Instrument :

BNA_N

ClientSampleId :

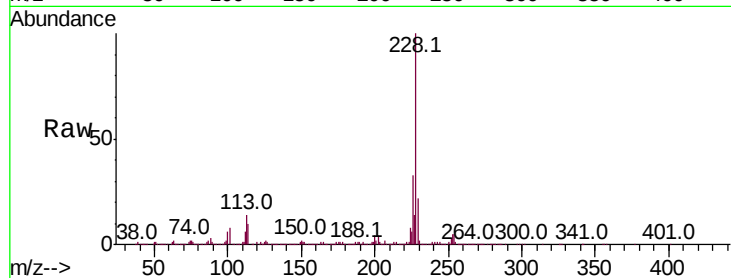
Tot Ion:228 Resp: 3207568

Ion	Ratio	Lower	Upper
228	100		
226	33.1	23.5	35.3
229	22.1	15.8	23.8

228 100

226 33.1 23.5 35.3

229 22.1 15.8 23.8

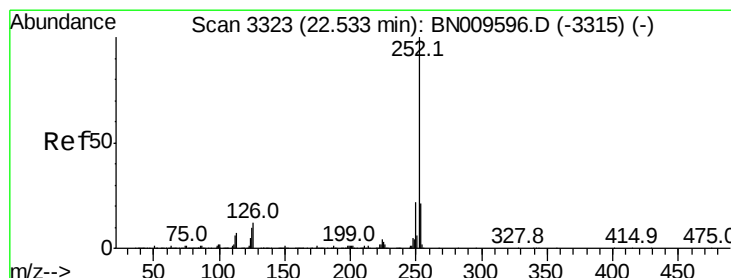
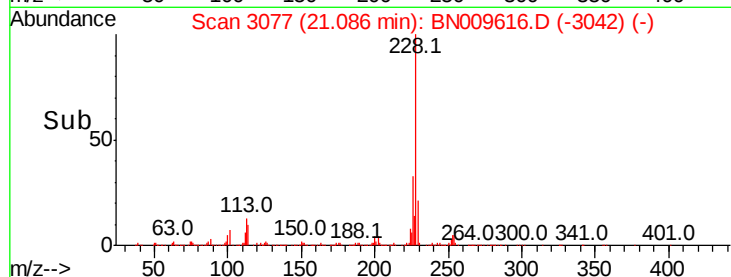
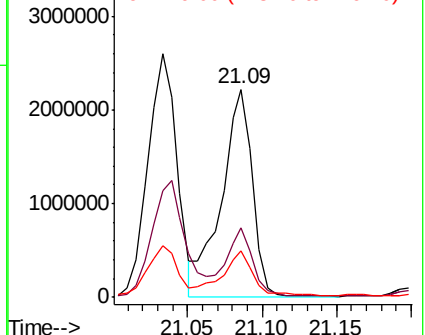


Abundance

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: 44.339 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. 0.02 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

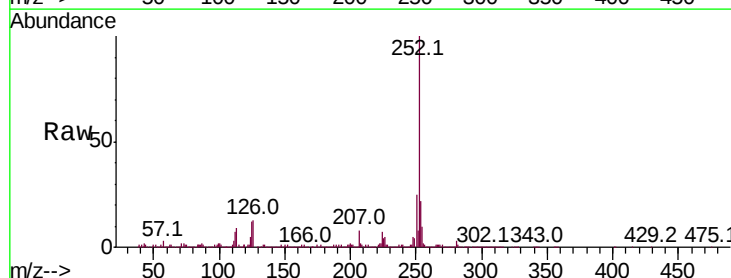
Tgt Ion:252 Resp: 2114426

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	11.5	8.2	12.2

252 100

253 21.6 17.0 25.6

125 11.5 8.2 12.2

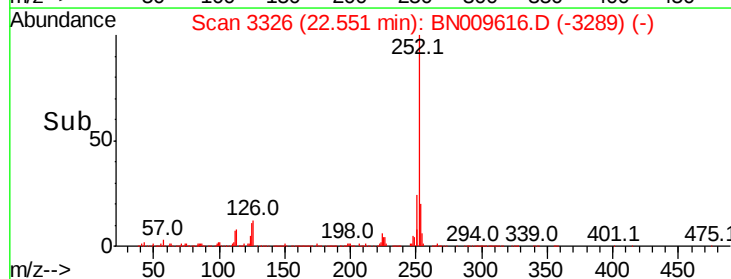
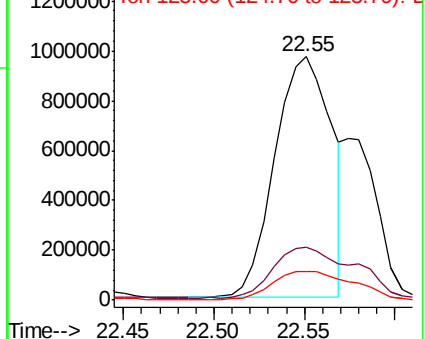


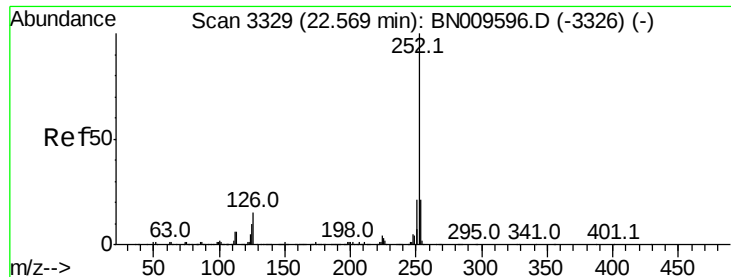
Abundance

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: 45.022 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.02 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Instrument :

BNA_N

ClientSampleId :

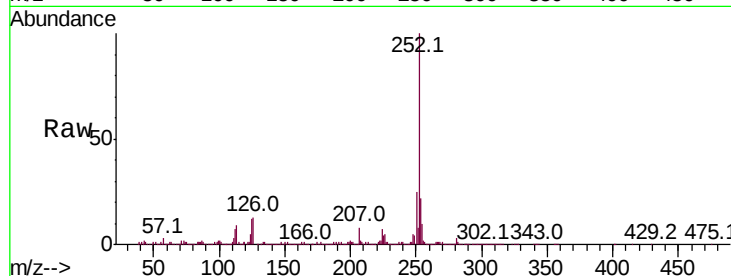
Tot Ion:252 Resp: 2114426

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.4

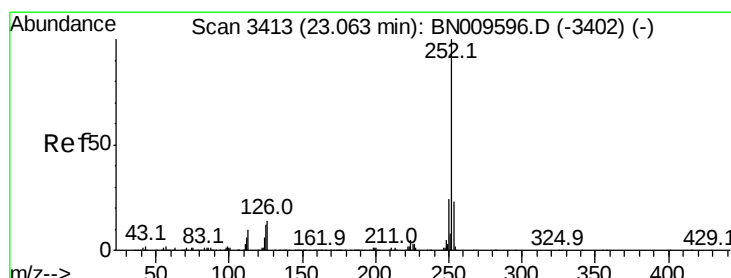
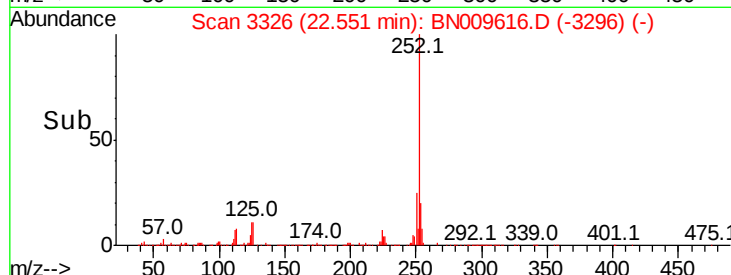
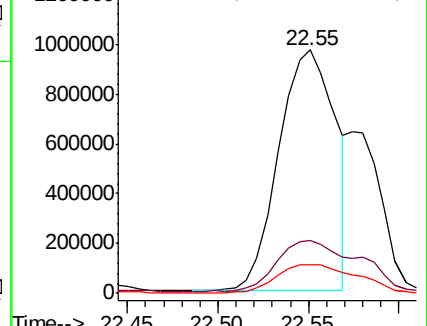
125 11.5 8.0 12.0



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



#90

Benzo(a)pyrene

Concen: 48.999 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

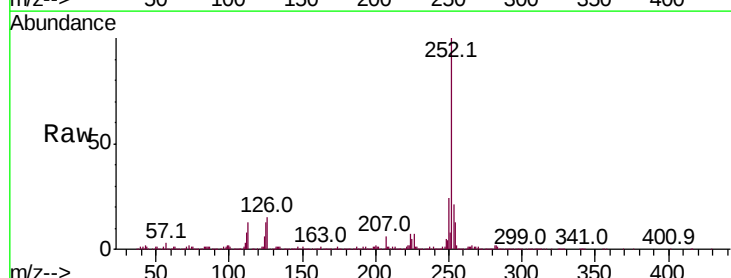
Tgt Ion:252 Resp: 2164932

Ion Ratio Lower Upper

252 100

253 21.4 15.8 23.8

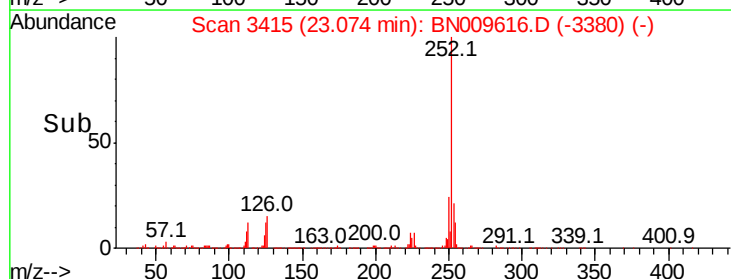
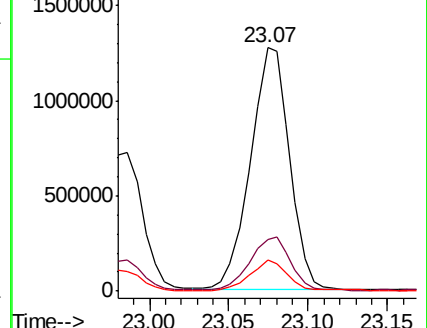
125 12.6 8.7 13.1

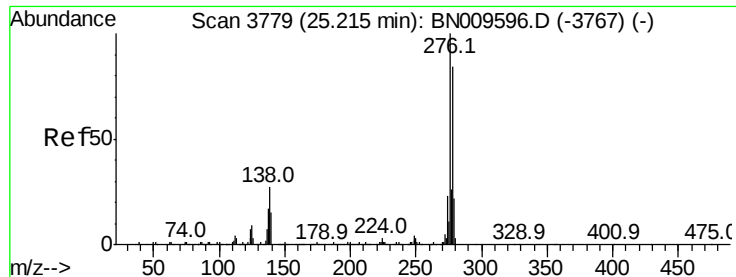


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

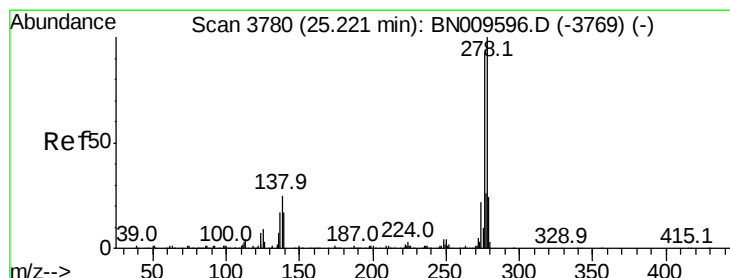
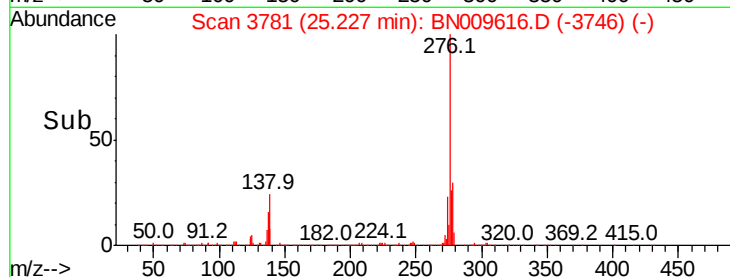
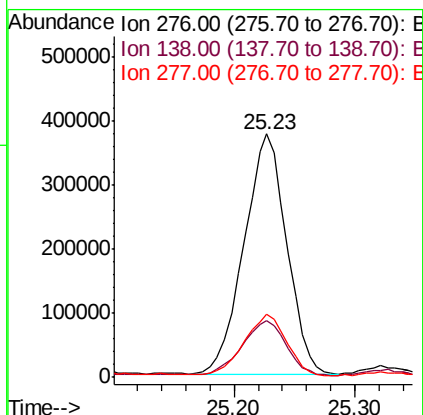
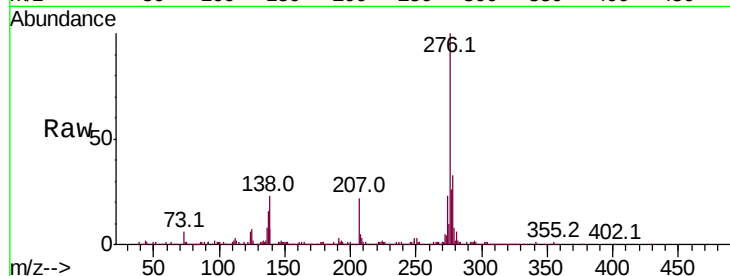




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 17.468 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. 0.01 min
 Lab File: BN009616.D
 Acq: 06 Feb 2020 19:11

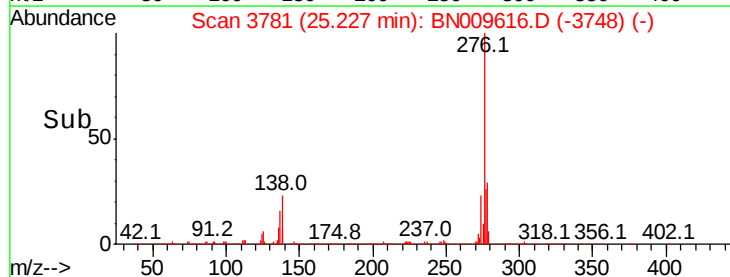
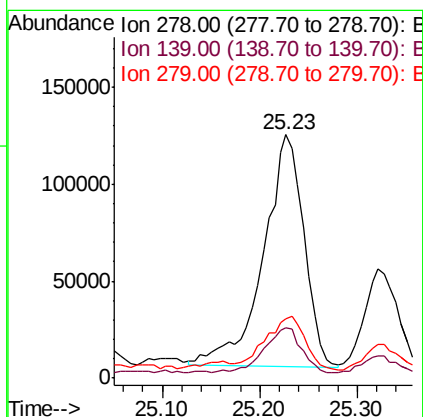
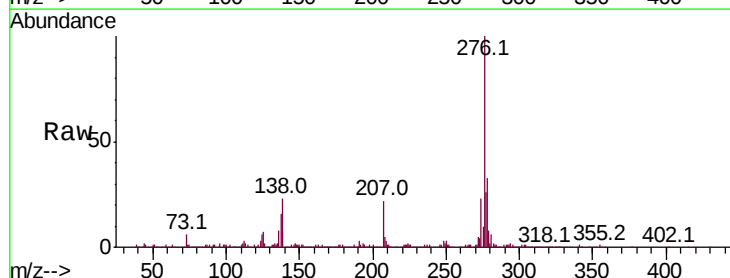
Instrument :
 BNA_N
 ClientSampleId :

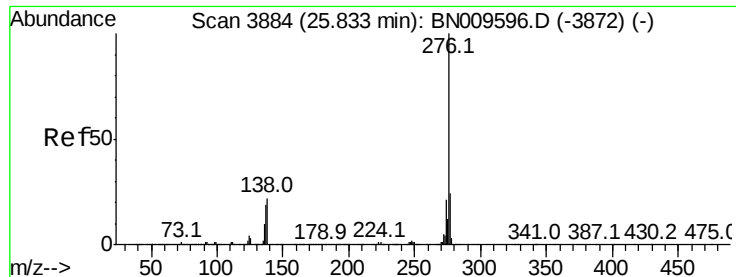
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	20.3	30.5
277	26.2	21.2	31.8



#92
 Dibenzo(a,h)anthracene
 Concen: 7.910 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. -0.01 min
 Lab File: BN009616.D
 Acq: 06 Feb 2020 19:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.7	19.1#
279	24.4	19.8	29.8





#93

Benzo(a,h,i)perylene

Concen: 17.479 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. -0.00 min

Lab File: BN009616.D

Acq: 06 Feb 2020 19:11

Instrument :

BNA_N

ClientSampleId :

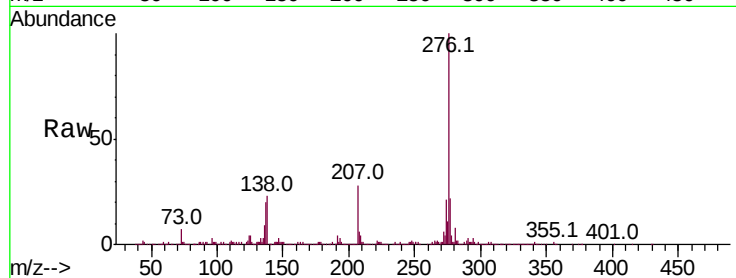
Tot Ion:276 Resp: 769513

Ion Ratio Lower Upper

276 100

138 22.9 16.0 24.0

277 21.9 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

