

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002964.D
 Acq On : 05 Oct 2018 13:22
 Operator : MJ/SJ
 Sample : J5184-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:09:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	130677	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	590009	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	357044	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	802435	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	660332	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	589752	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	2922	1.03	ng/uL	0.00
5) Phenol-d5	6.83	99	63375	5.71	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.97	67	40297	5.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	55724	6.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	50289	5.85	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	26115	5.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	29240	5.65	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.05	165	52820	5.66	ng/ul	0.02
29) 4-Chloroaniline-d4	10.56	131	50998	4.72	ng/ul	0.02
43) Dimethylphthalate-d6	13.68	166	175709	6.29	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	229051	6.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	19437	4.21	ng/ul	0.04
57) Fluorene-d10	15.27	176	164102	6.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	6443	1.28	ng/ul	0.02
70) Anthracene-d10	17.12	188	250040	6.53	ng/ul	0.00
78) Pyrene-d10	19.43	212	254358	7.30	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.30	264	198170	6.38	ng/ul	0.02

Target Compounds

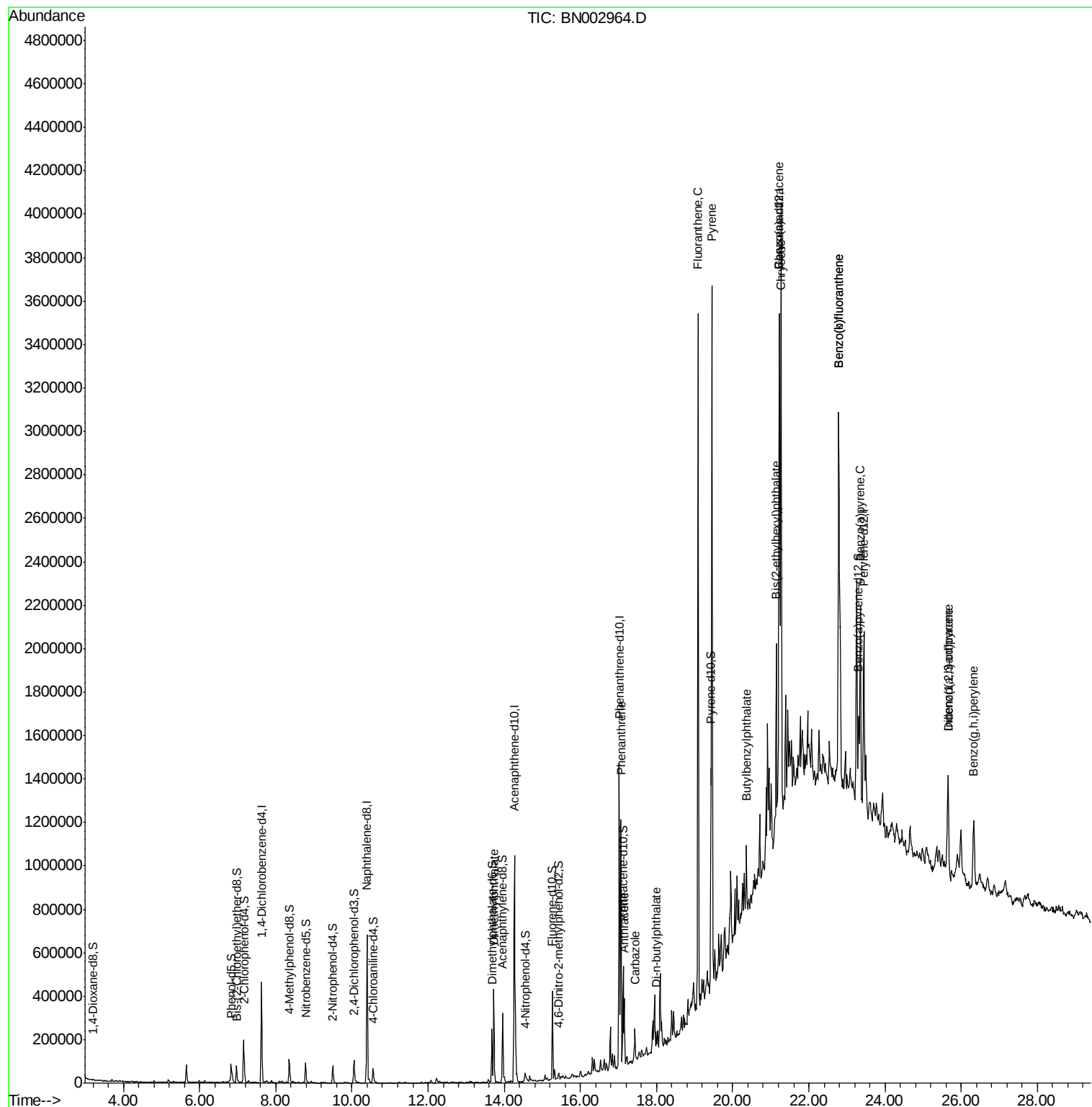
					Ovalue
44) Dimethylphthalate	13.73	163	279980	10.264	ng/ul 100
69) Phenanthrene	17.06	178	659232	14.911	ng/ul 99
71) Anthracene	17.15	178	189702	4.232	ng/ul 98
74) Carbazole	17.43	167	87264	2.268	ng/ul 98
75) Di-n-butylphthalate	17.99	149	59955	1.299	ng/ul 97
76) Fluoranthene	19.09	202	1865658	39.558	ng/ul 100
79) Pyrene	19.46	202	1937560	44.378	ng/ul 98
80) Butylbenzylphthalate	20.36	149	99127	5.456	ng/ul 97
82) Benzo(a)anthracene	21.22	228	937531	22.823	ng/ul 100
83) Bis(2-ethylhexyl)phthalate	21.14	149	316724	12.008	ng/ul 99
84) Chrysene	21.27	228	1514888	39.344	ng/ul 98
87) Benzo(b)fluoranthene	22.79	252	1393151	38.680	ng/ul# 96
88) Benzo(k)fluoranthene	22.79	252	1393151	41.461	ng/ul# 98
90) Benzo(a)pyrene	23.35	252	617279	18.128	ng/ul# 97
91) Indeno(1,2,3-cd)pyrene	25.66	276	411946	10.219	ng/ul 96
92) Dibenzo(a,h)anthracene	25.65	278	124754	3.673	ng/ul# 80
93) Benzo(g,h,i)perylene	26.33	276	361411	10.725	ng/ul 99

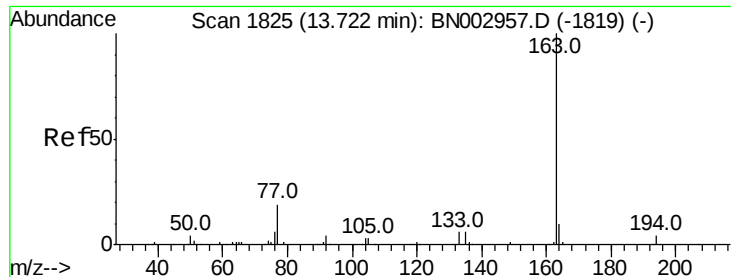
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 10.264 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampled :

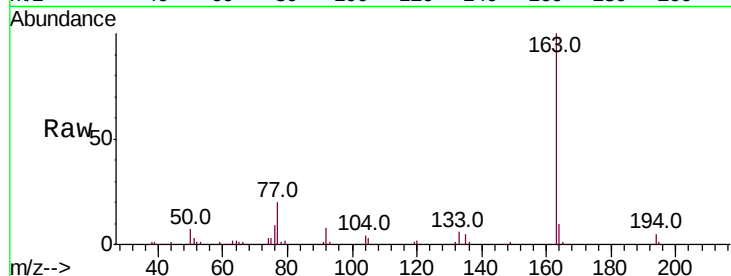
Tot Ion:163 Resp: 279980

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

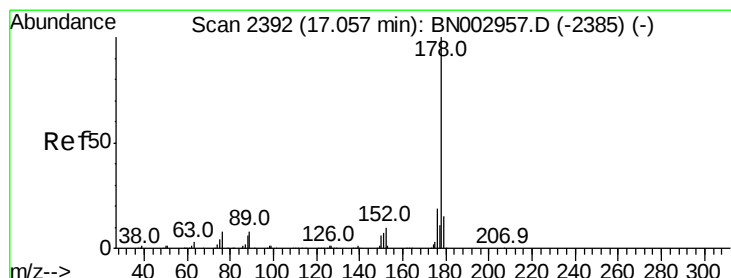
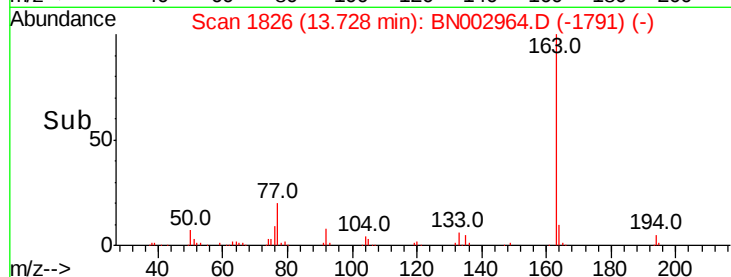
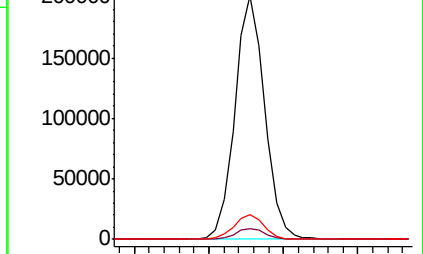
164 10.2 8.1 12.1



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



#69

Phenanthrene

Concen: 14.911 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

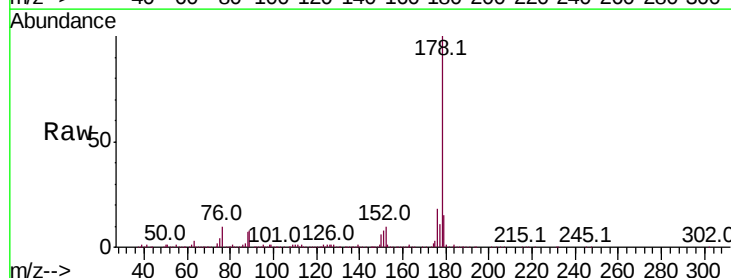
Tgt Ion:178 Resp: 659232

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

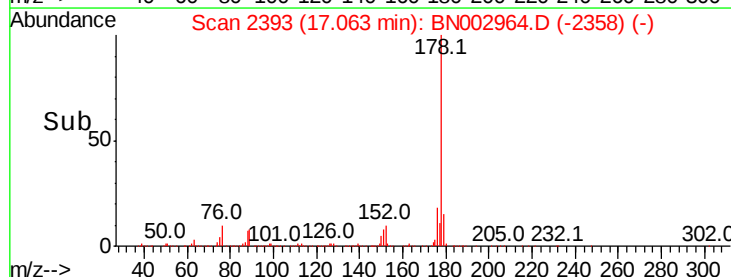
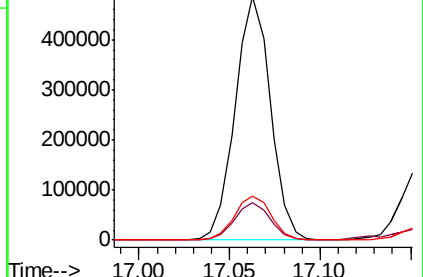
176 18.3 15.0 22.6

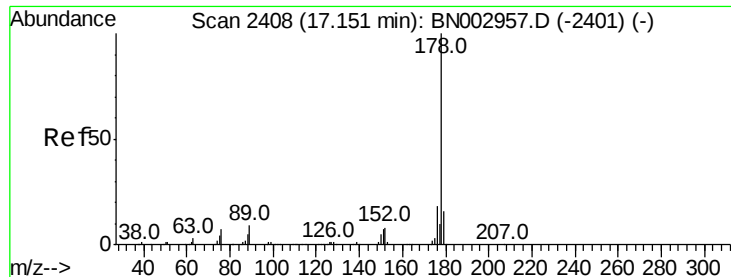


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

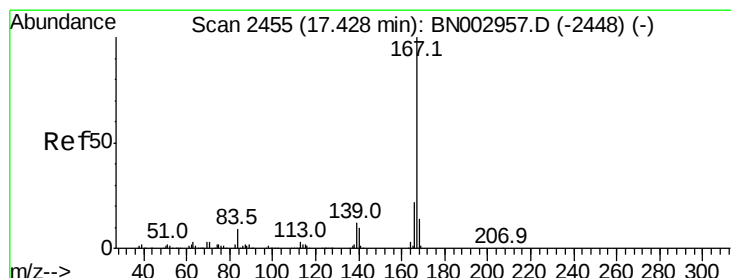
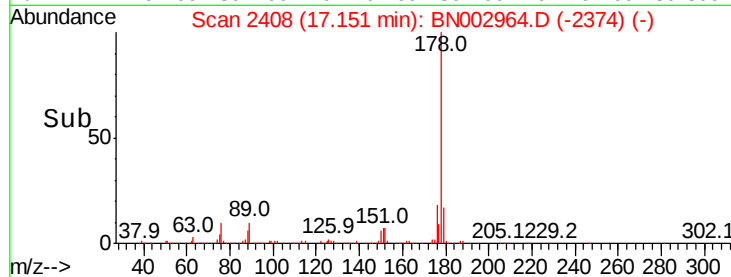
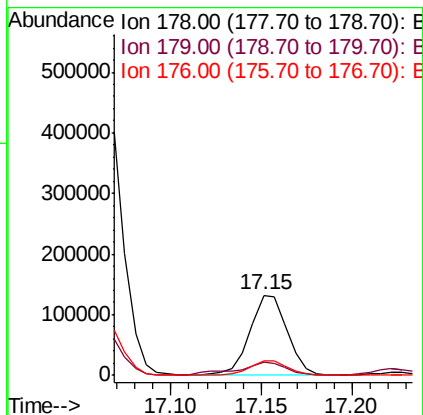
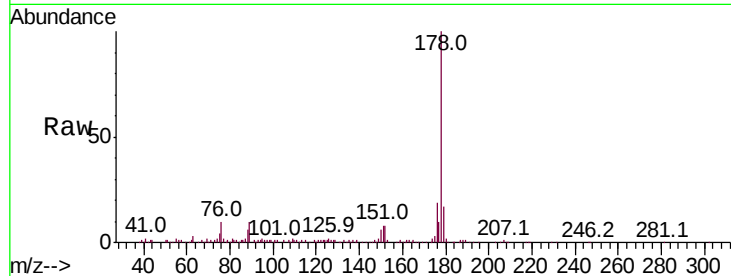




#71
 Anthracene
 Concen: 4.232 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BN002964.D
 Acq: 05 Oct 2018 13:22

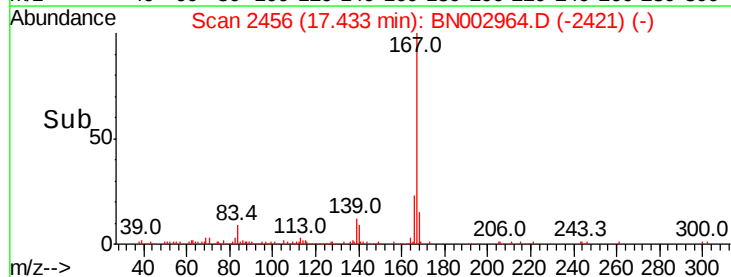
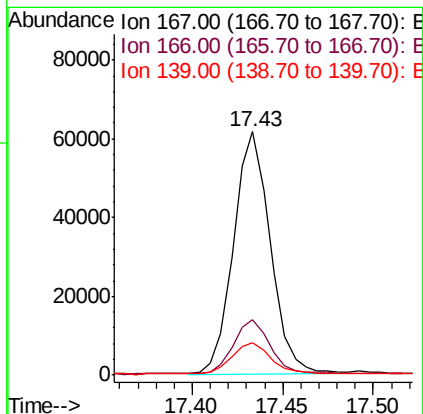
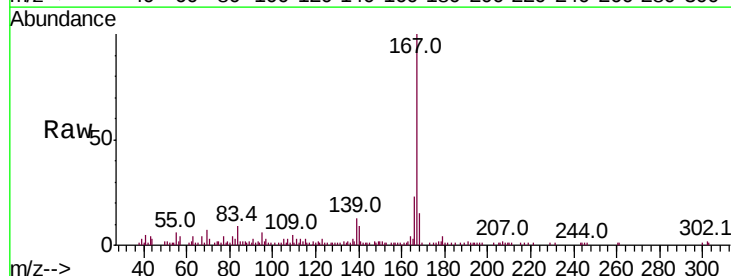
Instrument :
 BNA_N
 ClientSampleId :

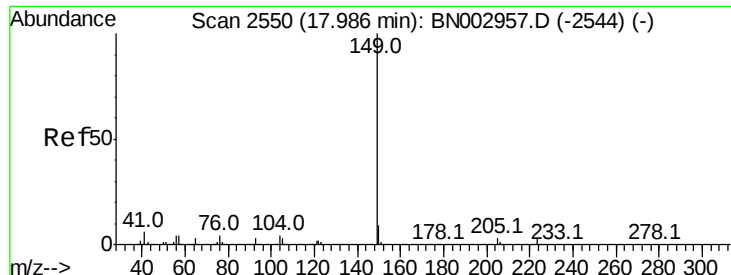
Tot Ion:178 Resp: 189702
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.0 18.0
 176 18.7 15.0 22.4



#74
 Carbazole
 Concen: 2.268 ng/ul
 RT: 17.43 min Scan# 2456
 Delta R.T. 0.01 min
 Lab File: BN002964.D
 Acq: 05 Oct 2018 13:22

Tgt Ion:167 Resp: 87264
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.0 25.6
 139 13.2 10.7 16.1





#75

Di-n-butylphthalate

Concen: 1.299 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

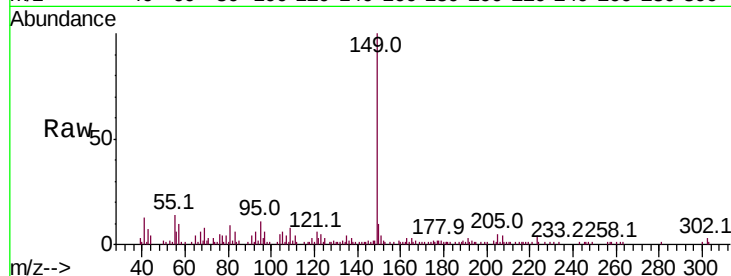
Tot Ion:149 Resp: 59955

Ion Ratio Lower Upper

149 100

150 10.3 7.3 10.9

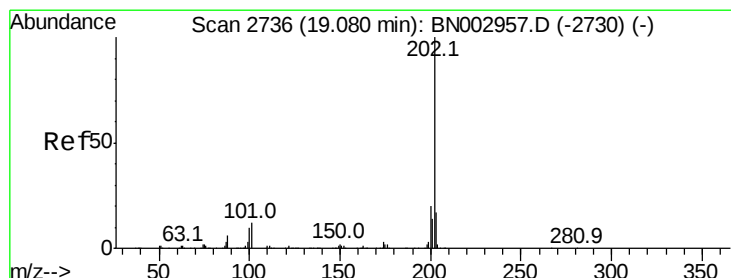
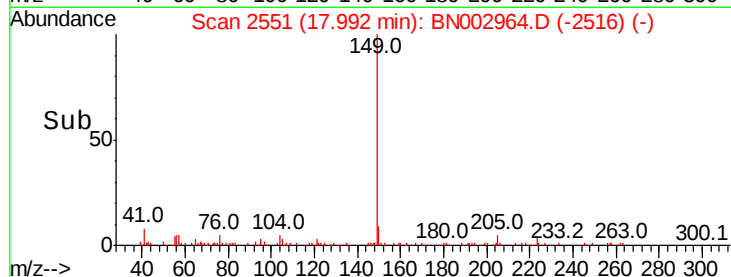
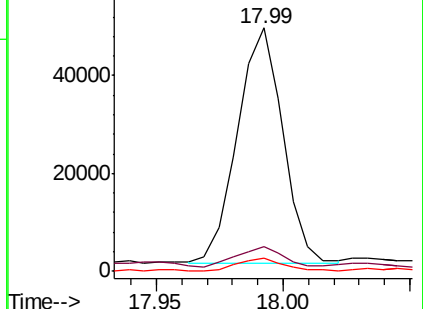
104 5.2 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 39.558 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

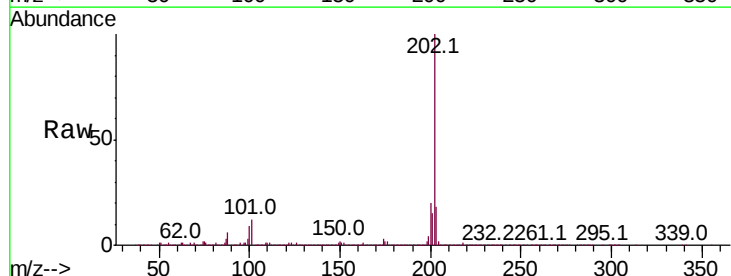
Tgt Ion:202 Resp: 1865658

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.2

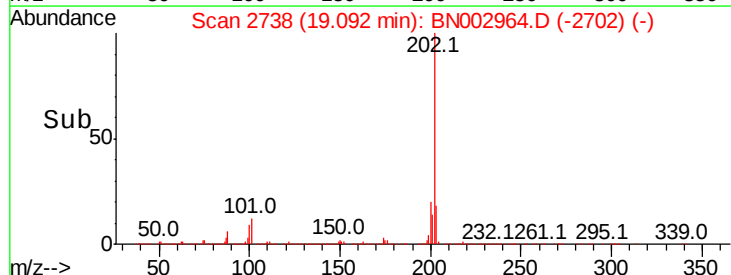
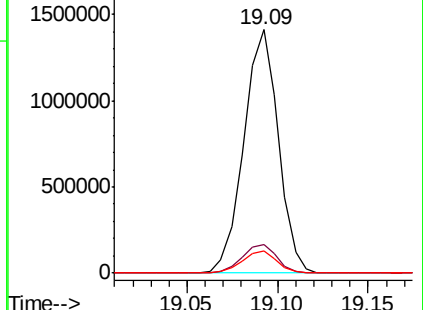
100 9.0 7.0 10.6

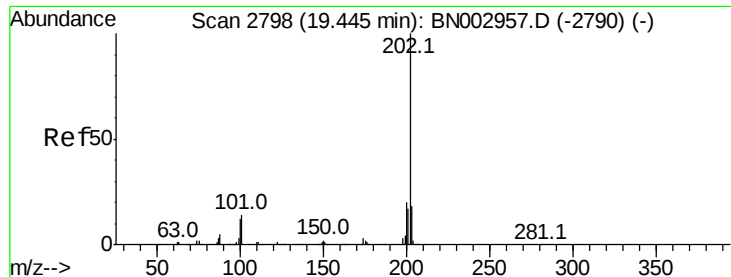


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 44.378 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

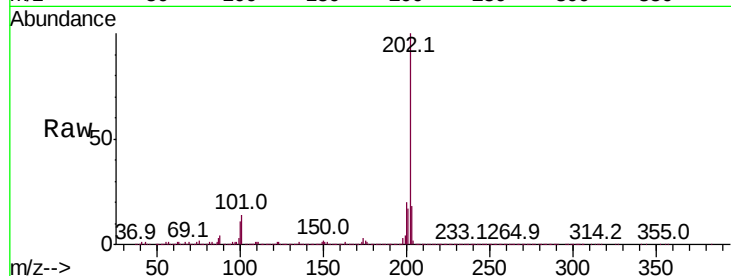
Tot Ion:202 Resp: 1937560

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.8	16.2
100	11.3	8.2	12.2

202 100

101 13.7 10.8 16.2

100 11.3 8.2 12.2

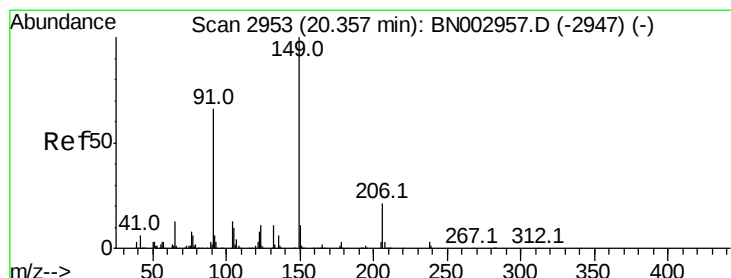
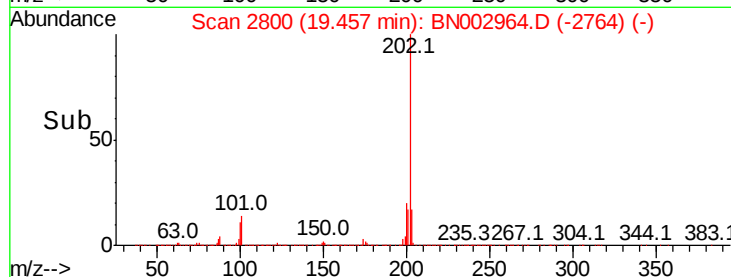
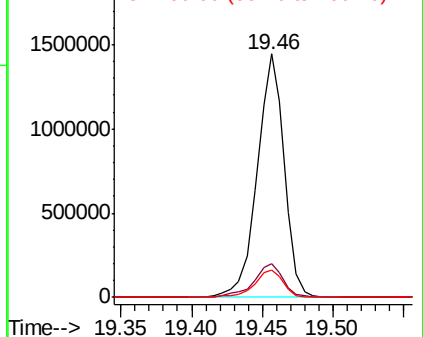


Abundance

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



#80

Butylbenzylphthalate

Concen: 5.456 ng/ul

RT: 20.36 min Scan# 2954

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

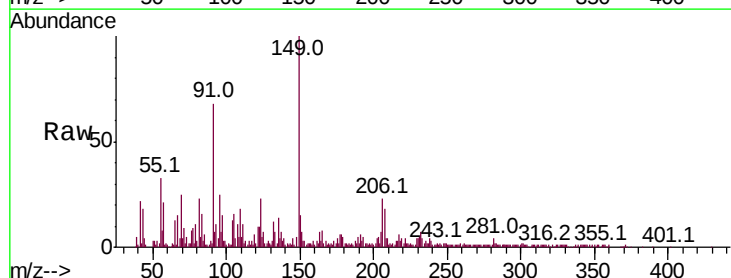
Tgt Ion:149 Resp: 99127

Ion	Ratio	Lower	Upper
149	100		
91	67.7	56.3	84.5
206	22.7	16.8	25.2

149 100

91 67.7 56.3 84.5

206 22.7 16.8 25.2

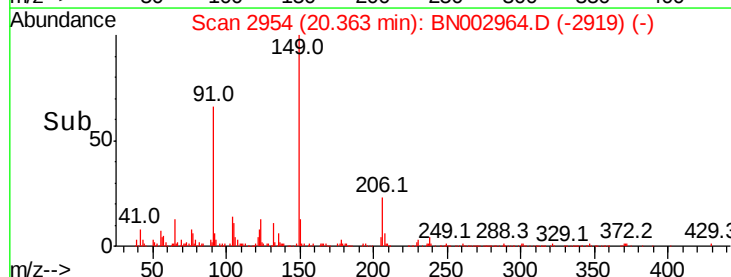
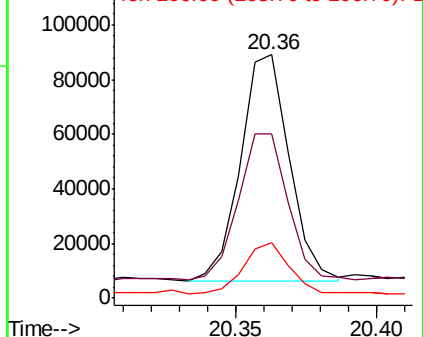


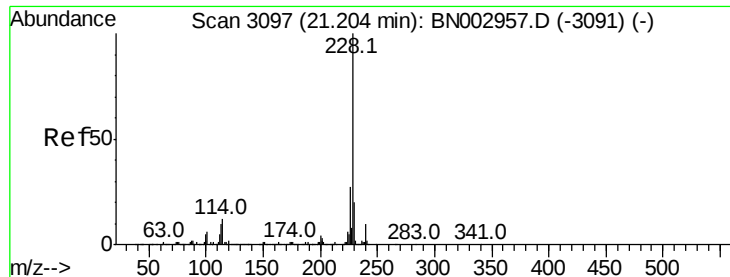
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 22.823 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

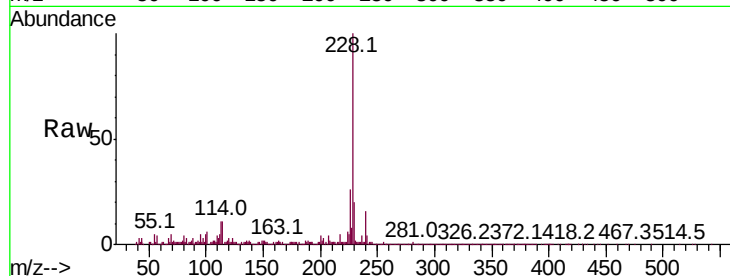
Tot Ion:228 Resp: 937531

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

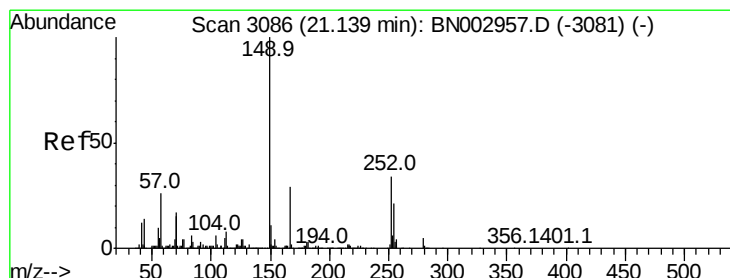
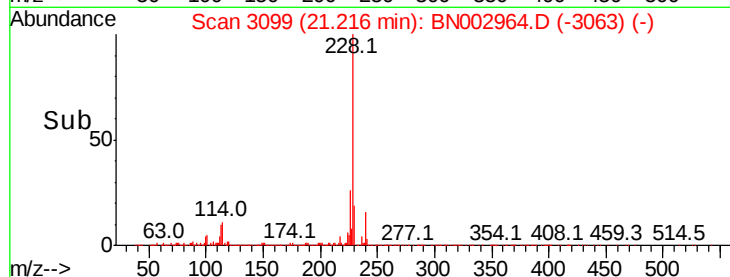
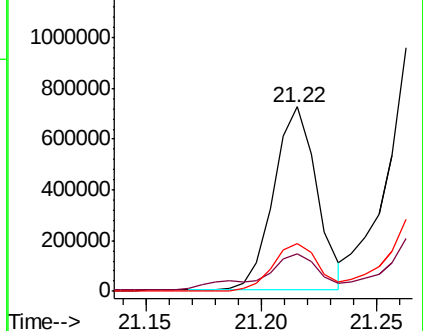
226 26.1 20.9 31.3



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.008 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

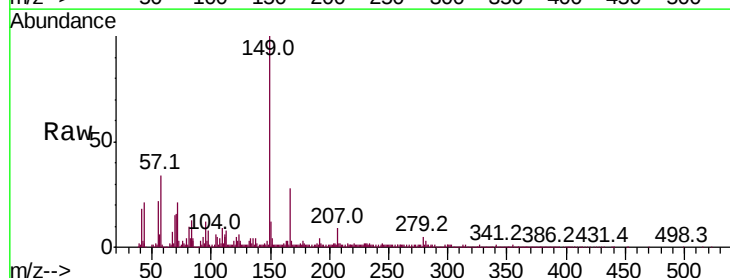
Tgt Ion:149 Resp: 316724

Ion Ratio Lower Upper

149 100

167 28.2 22.0 33.0

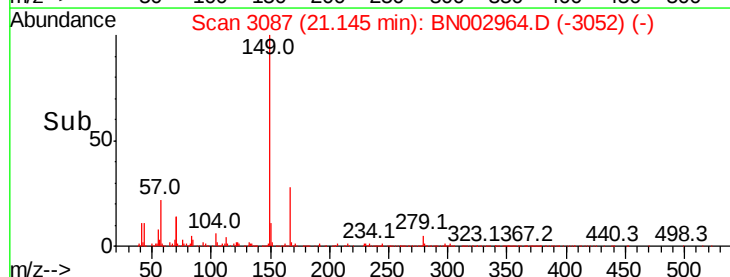
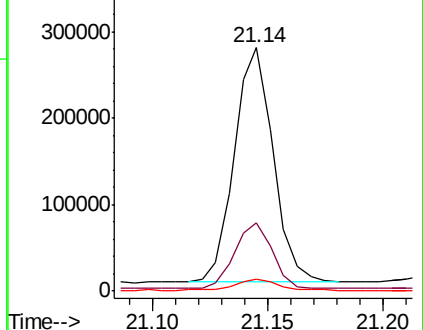
279 4.9 3.3 4.9

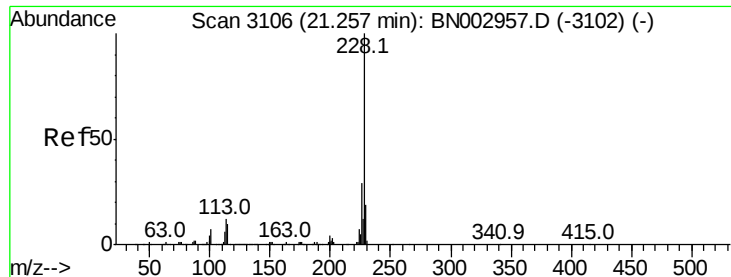


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 39.344 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampled :

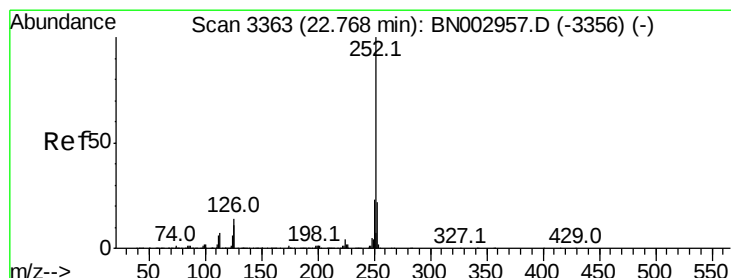
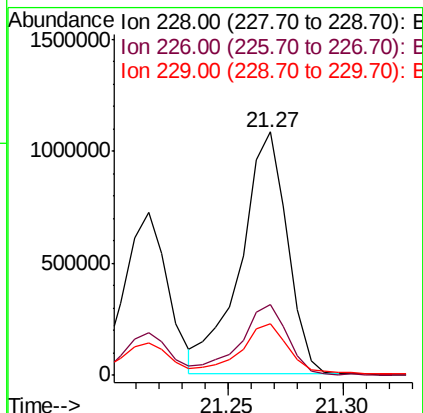
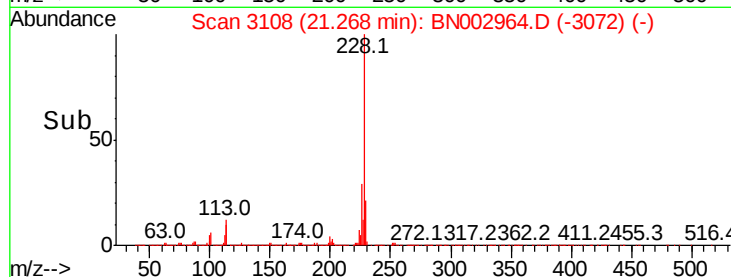
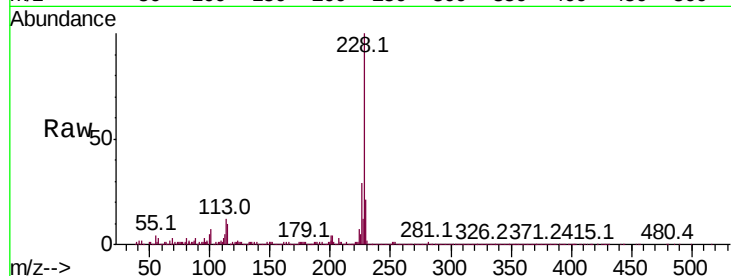
Tot Ion:228 Resp: 1514888

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

229 21.3 15.7 23.5



#87

Benzo(b)fluoranthene

Concen: 38.680 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

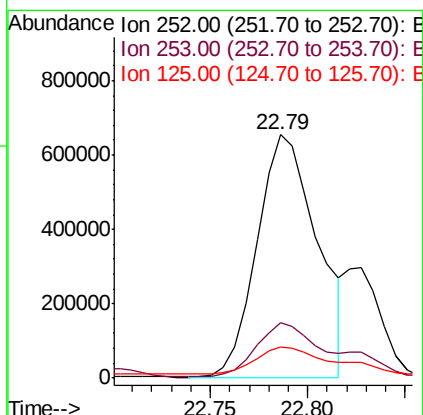
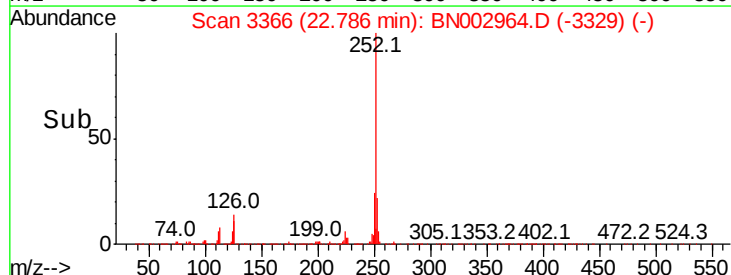
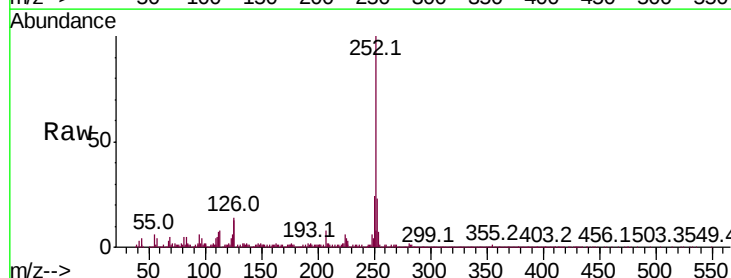
Tgt Ion:252 Resp: 1393151

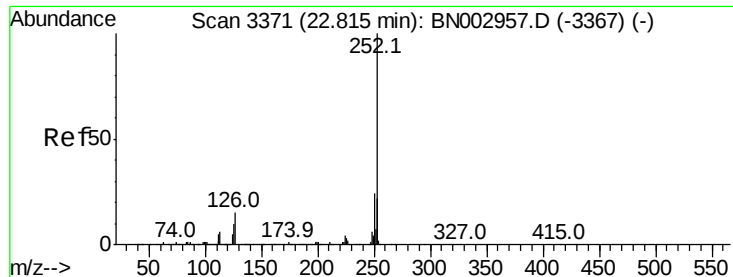
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 12.8 8.0 12.0#





#88

Benzo(k)fluoranthene

Concen: 41.461 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.03 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

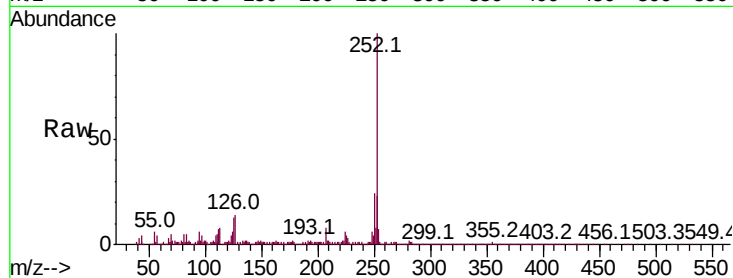
Tot Ion:252 Resp: 1393151

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

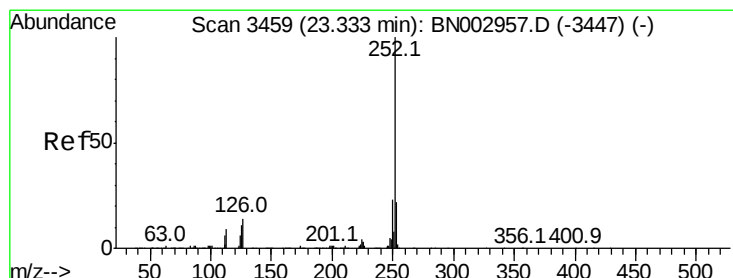
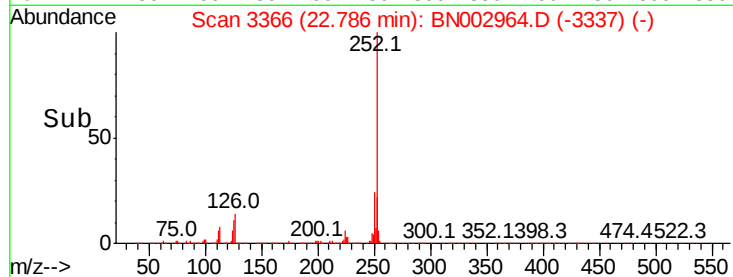
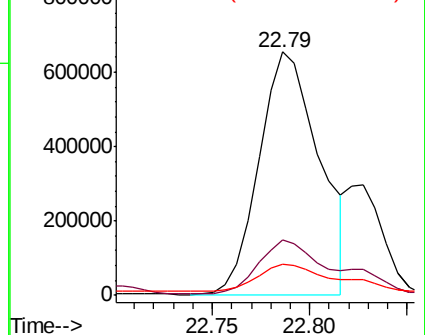
125 12.8 8.3 12.5#



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: 18.128 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

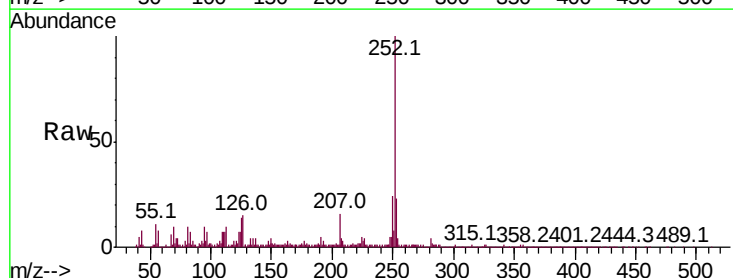
Tgt Ion:252 Resp: 617279

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

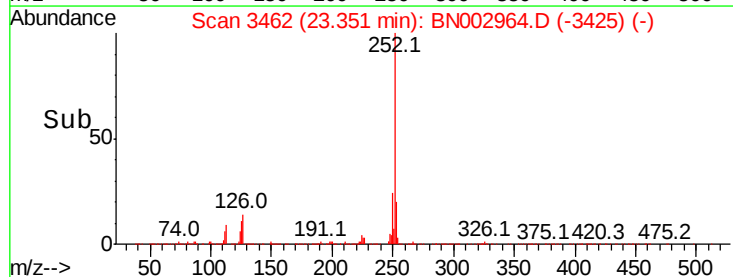
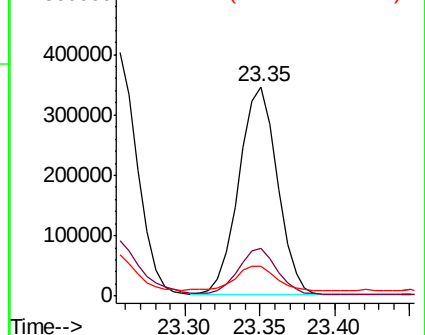
125 14.1 8.8 13.2#

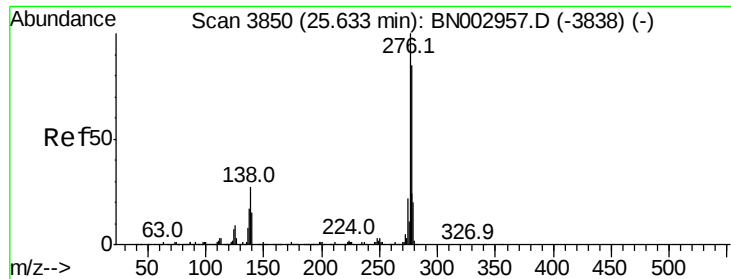


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 10.219 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. 0.02 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

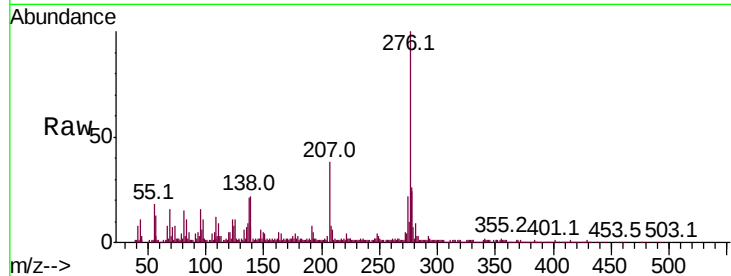
Tot Ion:276 Resp: 411946

Ion Ratio Lower Upper

276 100

138 21.5 20.2 30.4

277 24.3 20.0 30.0

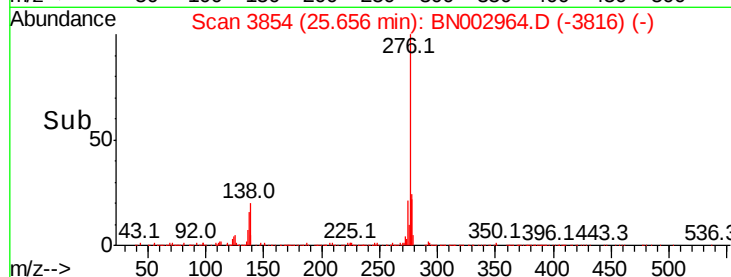


Abundance Ion 276.00 (275.70 to 276.70): E

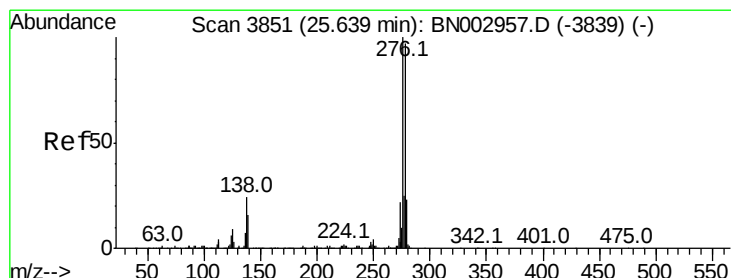
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.66



Time-->



#92

Dibenzo(a,h)anthracene

Concen: 3.673 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. 0.01 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

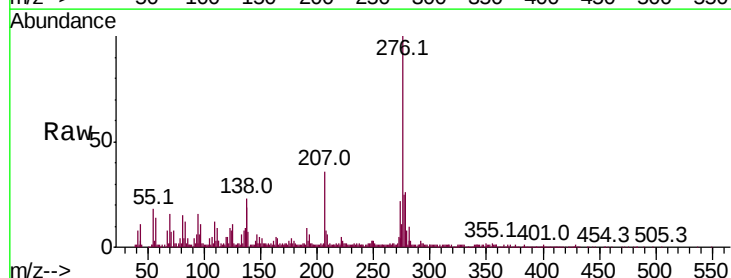
Tgt Ion:278 Resp: 124754

Ion Ratio Lower Upper

278 100

139 27.7 12.7 19.1#

279 30.4 18.7 28.1#

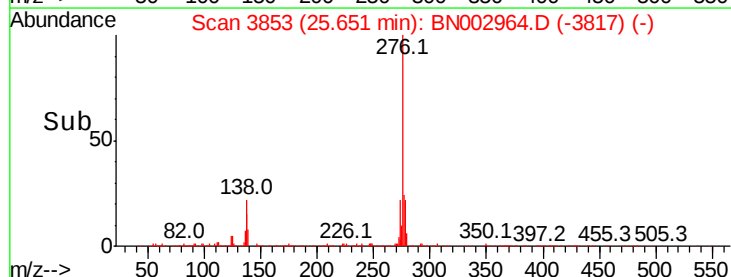


Abundance Ion 278.00 (277.70 to 278.70): E

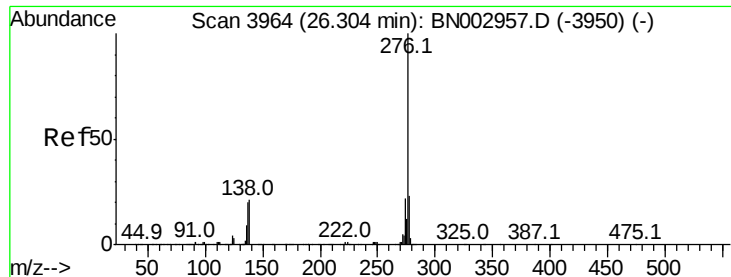
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.65



Time-->



#93

Benzo(a,h,i)perylene

Concen: 10.725 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. 0.03 min

Lab File: BN002964.D

Acq: 05 Oct 2018 13:22

Instrument :

BNA_N

ClientSampleId :

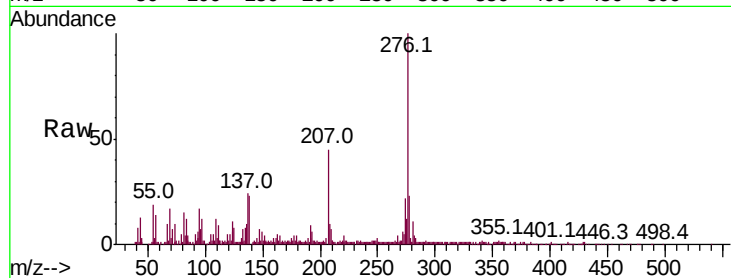
Tot Ion:276 Resp: 361411

Ion Ratio Lower Upper

276 100

138 23.3 18.2 27.2

277 23.4 18.6 28.0



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

