

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002960.D
 Acq On : 05 Oct 2018 11:02
 Operator : MJ/SJ
 Sample : J5183-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:08:55 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	7.62	152	118329	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	539134	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	326227	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	724253	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	540397	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	530494	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	9754	3.80	ng/uL	0.00
5) Phenol-d5	6.82	99	236076	23.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	147096	23.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	201588	24.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	183856	23.62	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	102084	24.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	121627	25.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	205414	24.08	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	208268	21.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	651168	25.50	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	861896	25.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	78431	18.58	ng/ul	0.02
57) Fluorene-d10	15.26	176	598224	26.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	42416	9.36	ng/ul	0.00
70) Anthracene-d10	17.12	188	897597	25.96	ng/ul	0.00
78) Pyrene-d10	19.42	212	842521	29.54	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.31	264	714962	25.60	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.79	77	8297	1.510	ng/ul#	64
6) Phenol	6.85	94	48748	4.811	ng/ul	99
14) Acetophenone	8.45	105	58257	4.859	ng/ul	99
28) Naphthalene	10.45	128	36259	1.305	ng/ul#	96
44) Dimethylphthalate	13.72	163	472596	18.962	ng/ul	99
47) Acenaphthylene	13.98	152	31822	1.016	ng/ul	97
49) Acenaphthene	14.33	153	57772	2.604	ng/ul	99
53) Dibenzofuran	14.67	168	38414	1.259	ng/ul	100
58) Fluorene	15.32	166	53631	2.194	ng/ul	98
69) Phenanthrene	17.06	178	1351854	33.877	ng/ul	100
71) Anthracene	17.15	178	335254	8.286	ng/ul	99
74) Carbazole	17.43	167	201362	5.799	ng/ul	99
75) Di-n-butylphthalate	17.99	149	680698	16.340	ng/ul	99
76) Fluoranthene	19.09	202	3458461	81.246	ng/ul	99
79) Pyrene	19.46	202	3482878	97.478	ng/ul	97
80) Butylbenzylphthalate	20.36	149	463684	31.187	ng/ul	94
82) Benzo(a)anthracene	21.22	228	1937182	57.624	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.15	149	3988725	184.793	ng/ul#	97
84) Chrysene	21.27	228	3952245	125.428	ng/ul	97
86) Di-n-octyl phthalate	22.02	149	105907	3.020	ng/ul#	22
87) Benzo(b)fluoranthene	22.79	252	4024665	124.225	ng/ul#	96
88) Benzo(k)fluoranthene	22.79	252	4024665	133.155	ng/ul	98
90) Benzo(a)pyrene	23.36	252	1666563	54.411	ng/ul	97

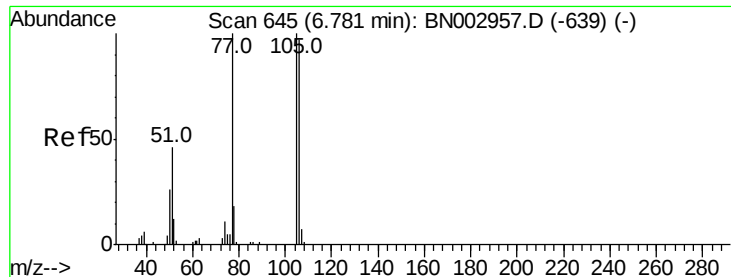
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100618\
Data File : BN002960.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 06 01:07:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.66	276	1438236	39.663	ng/ul	96
92) Dibenzo(a,h)anthracene	25.66	278	426579	13.962	ng/ul#	92
93) Benzo(g,h,i)perylene	26.34	276	1516782	50.039	ng/ul	99

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



#4

Benzaldehyde

Concen: 1.510 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampled :

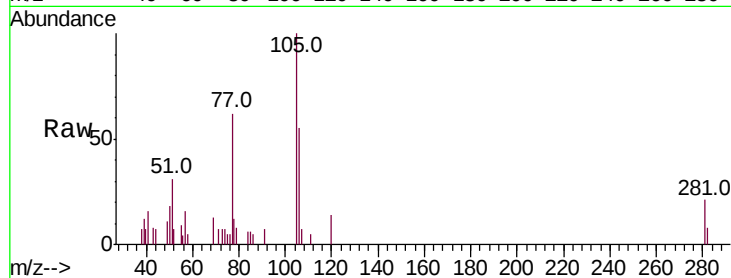
Tot Ion: 77 Resp: 8297

Ion Ratio Lower Upper

77 100

105 161.7 76.2 114.4#

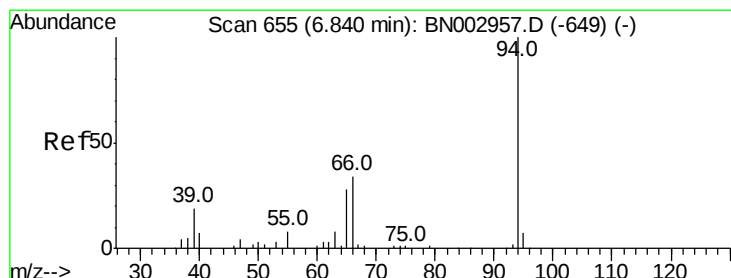
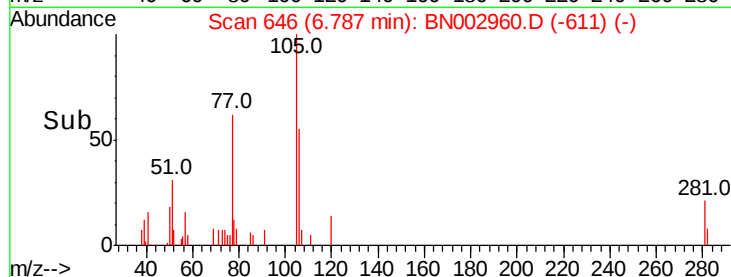
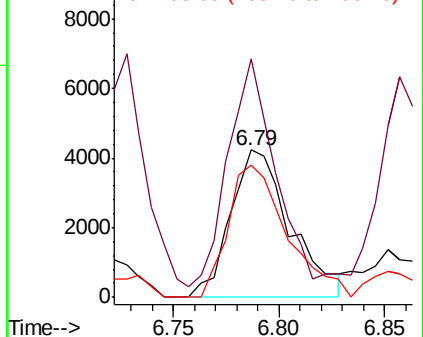
106 89.6 74.2 111.2



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#6

Phenol

Concen: 4.811 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

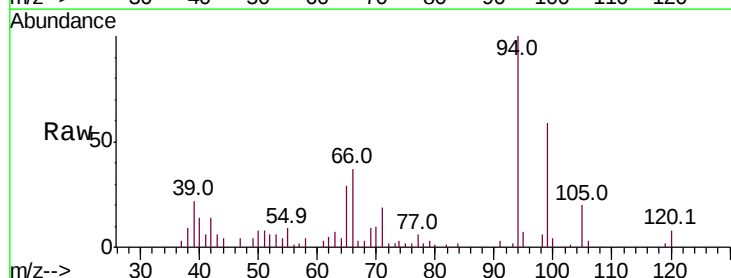
Tgt Ion: 94 Resp: 48748

Ion Ratio Lower Upper

94 100

65 29.4 23.1 34.7

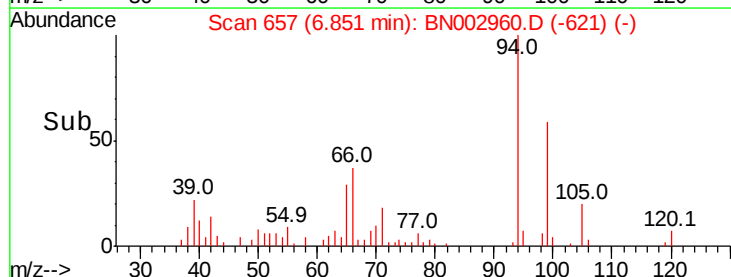
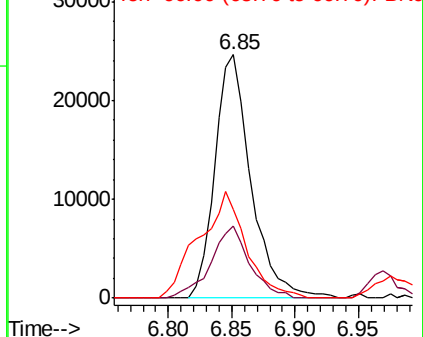
66 36.7 29.8 44.6

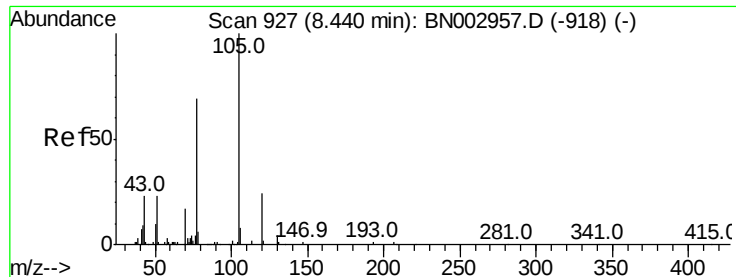


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#14

Acetophenone

Concen: 4.859 ng/ul

RT: 8.45 min Scan# 928

Delta R.T. 0.01 min

Lab File: BN002960.D

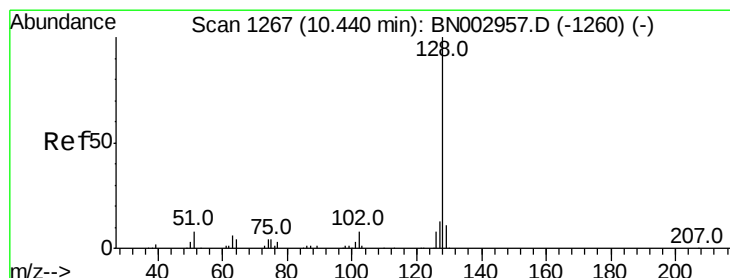
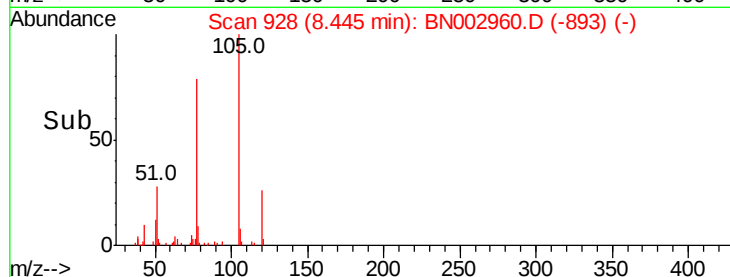
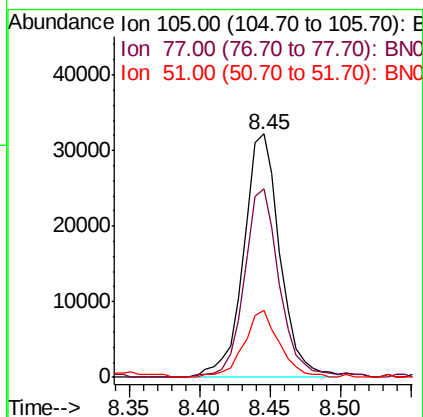
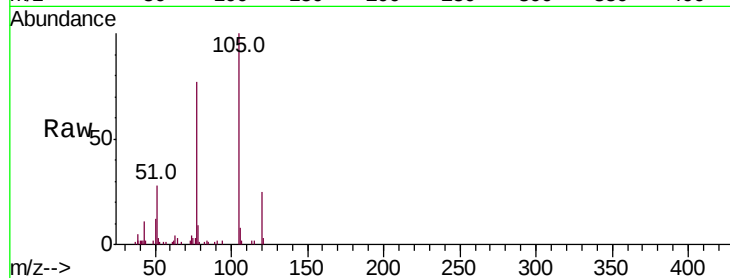
Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	105	Resp:	58257
Ion	Ratio	Lower	Upper
105	100		
77	77.2	62.9	94.3
51	27.7	21.9	32.9



#28

Naphthalene

Concen: 1.305 ng/ul

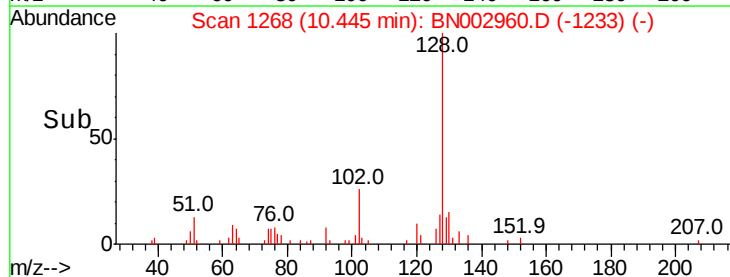
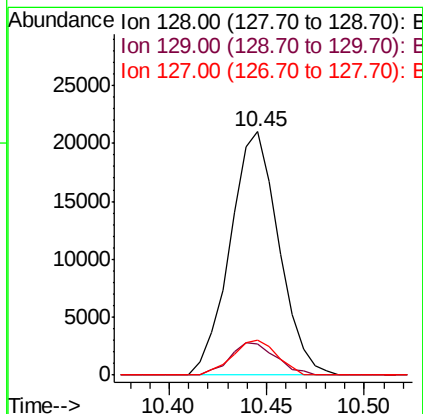
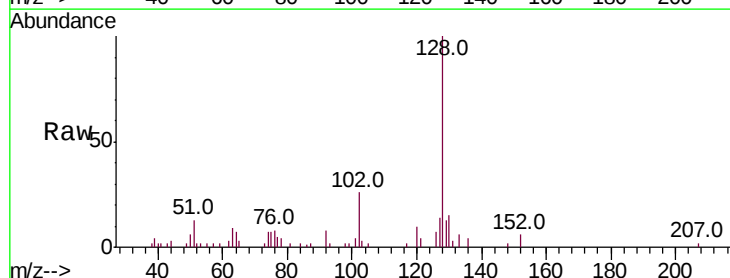
RT: 10.45 min Scan# 1268

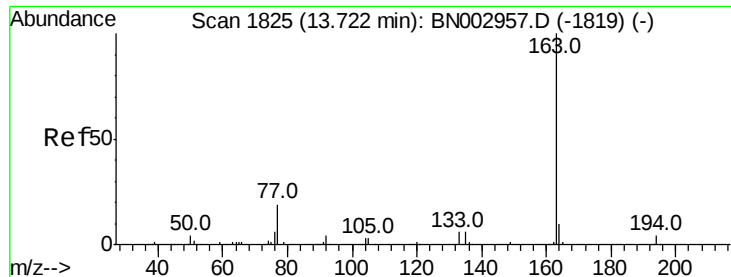
Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Tgt Ion:	128	Resp:	36259
Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.3	12.5#
127	14.3	10.5	15.7





#44

Dimethylphthalate

Concen: 18.962 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampled :

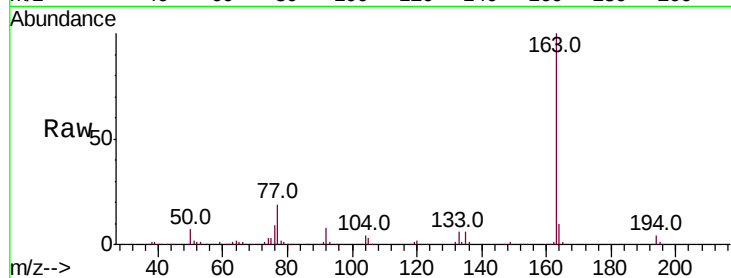
Tot Ion:163 Resp: 472596

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

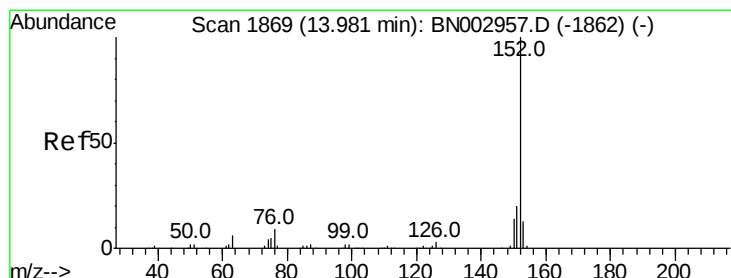
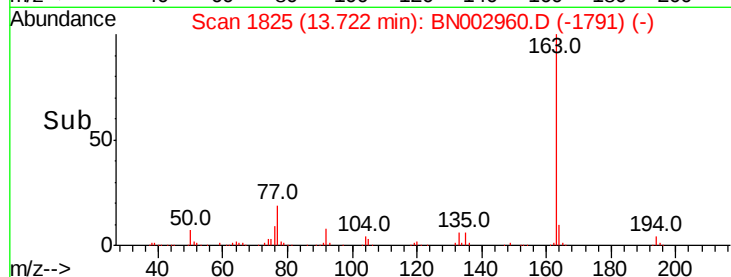
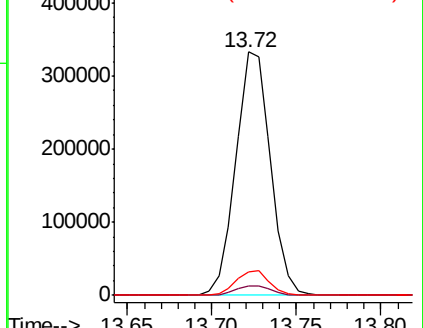
164 9.9 8.1 12.1



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



#47

Acenaphthylene

Concen: 1.016 ng/ul

RT: 13.98 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

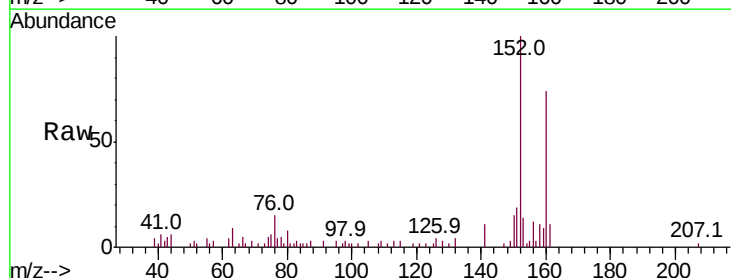
Tgt Ion:152 Resp: 31822

Ion Ratio Lower Upper

152 100

151 18.7 16.0 24.0

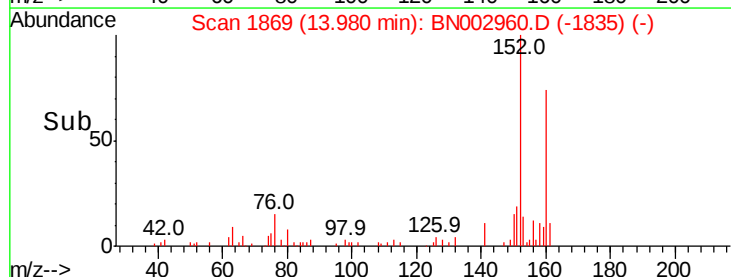
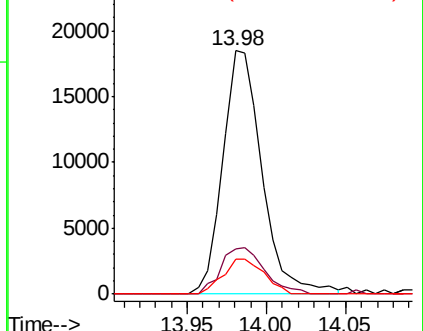
153 14.4 10.6 16.0

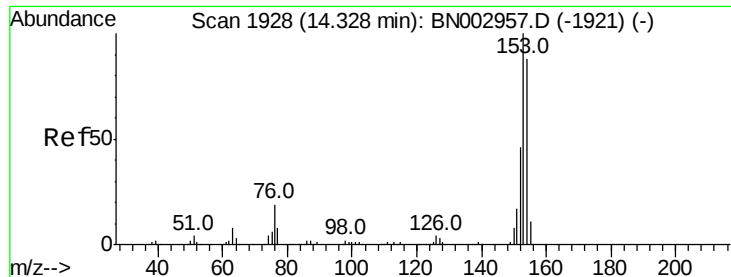


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.604 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampled :

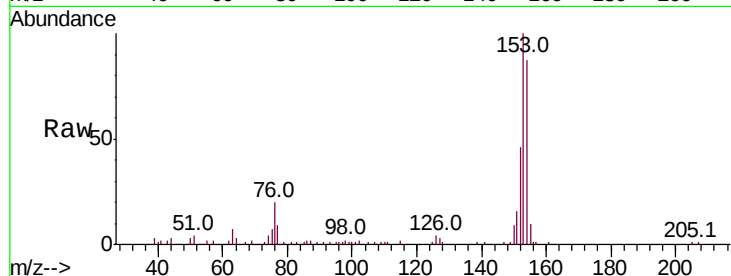
Tot Ion:153 Resp: 57772

Ion Ratio Lower Upper

153 100

152 46.3 37.8 56.6

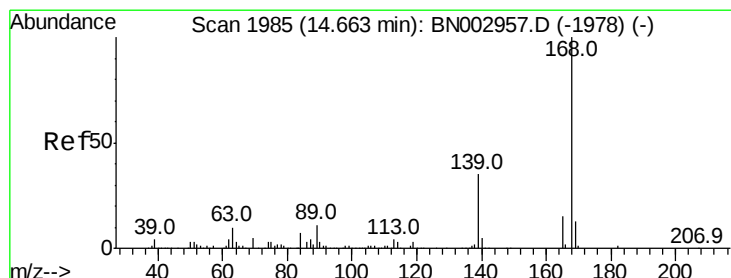
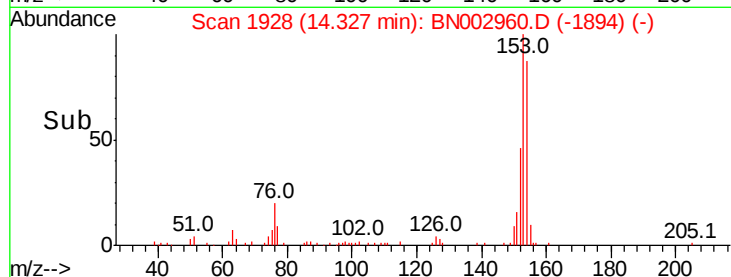
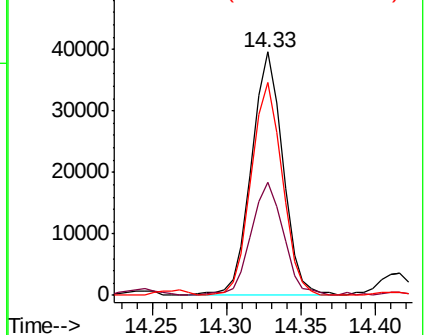
154 87.4 70.9 106.3



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



#53

Dibenzofuran

Concen: 1.259 ng/ul

RT: 14.67 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BN002960.D

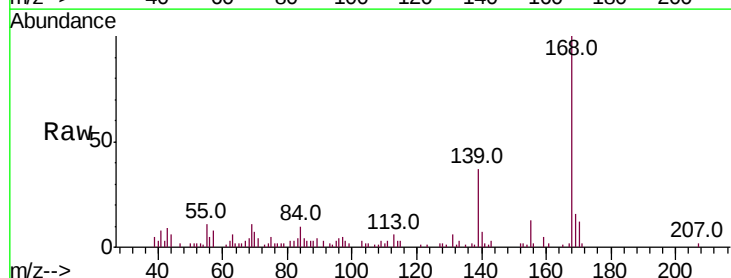
Acq: 05 Oct 2018 11:02

Tgt Ion:168 Resp: 38414

Ion Ratio Lower Upper

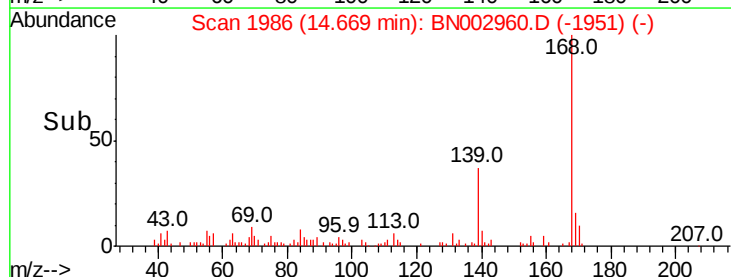
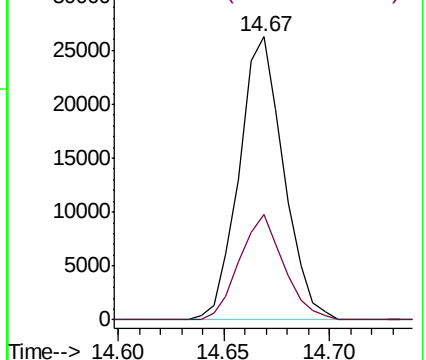
168 100

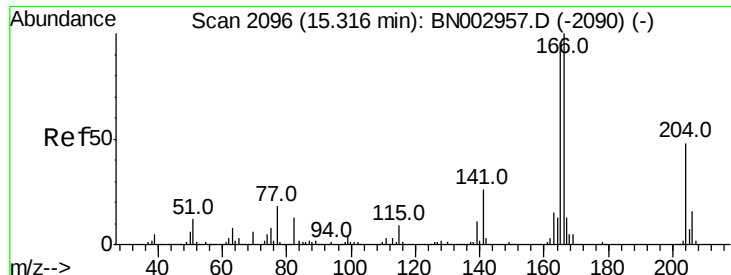
139 37.1 29.4 44.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.194 ng/ul

RT: 15.32 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampled :

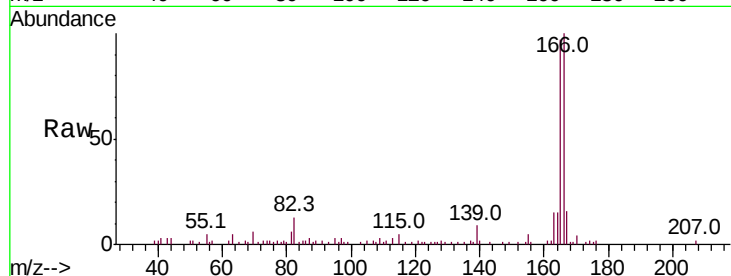
Tot Ion:166 Resp: 53631

Ion Ratio Lower Upper

166 100

165 97.0 78.3 117.5

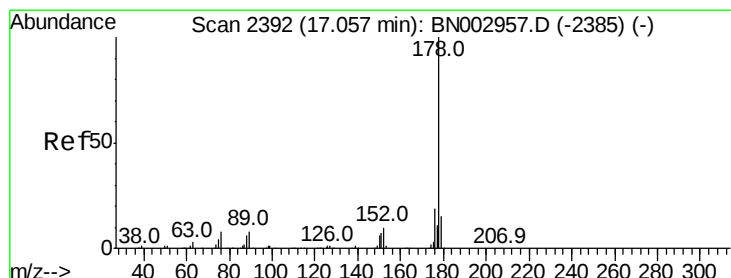
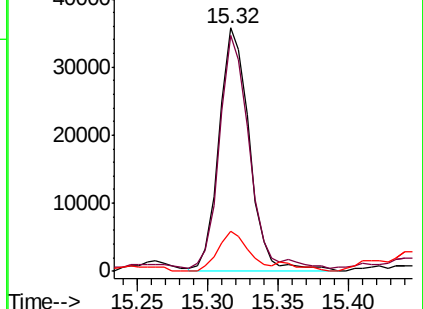
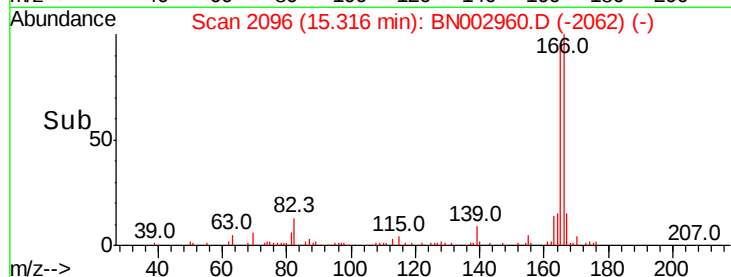
167 16.2 11.0 16.6



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: 33.877 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

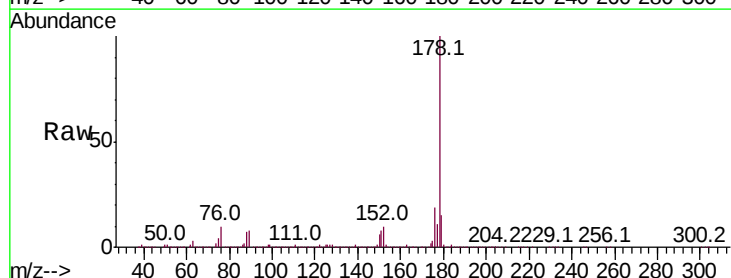
Tgt Ion:178 Resp: 1351854

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

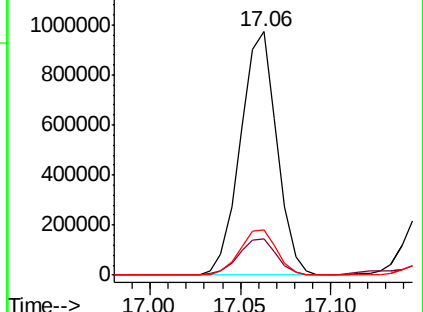
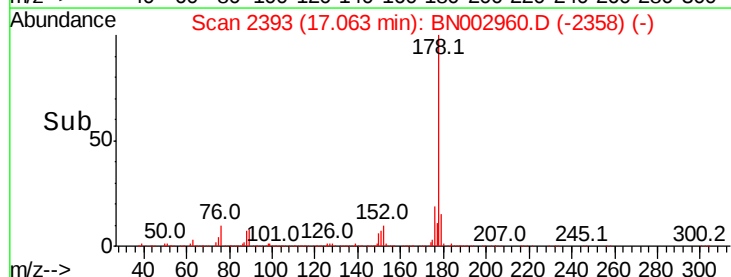
176 18.7 15.0 22.6

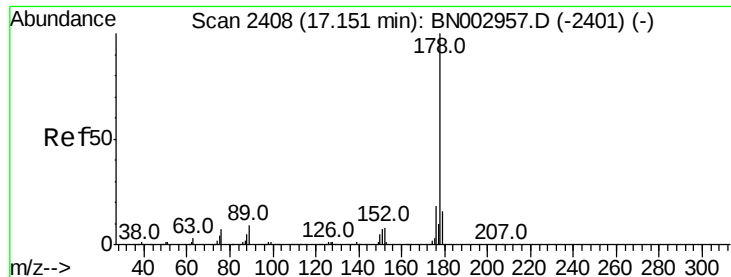


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

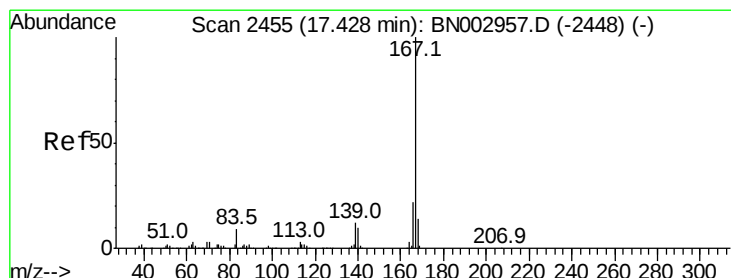
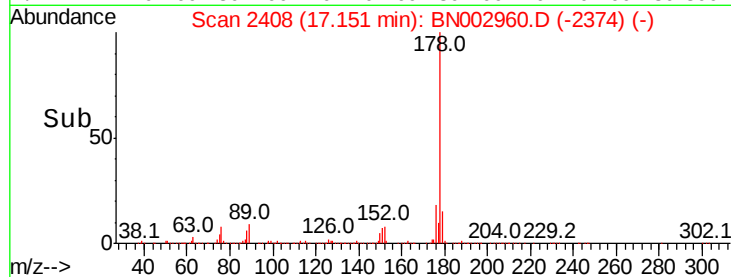
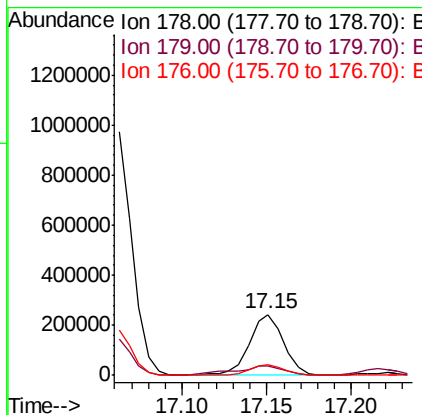
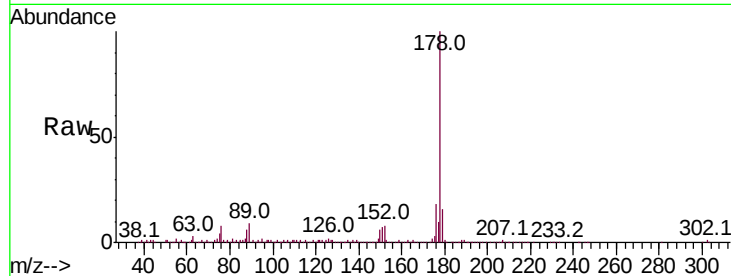




#71
 Anthracene
 Concen: 8.286 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BN002960.D
 Acq: 05 Oct 2018 11:02

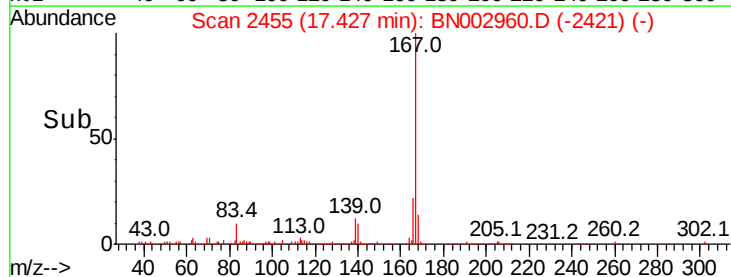
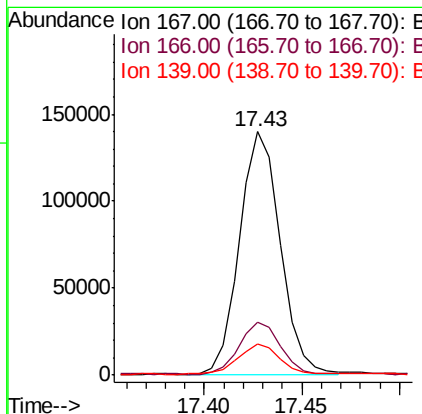
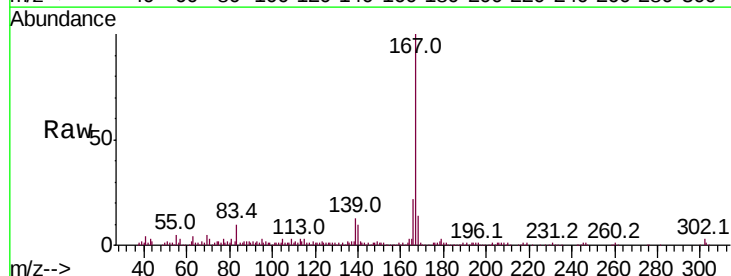
Instrument :
 BNA_N
 ClientSampleId :

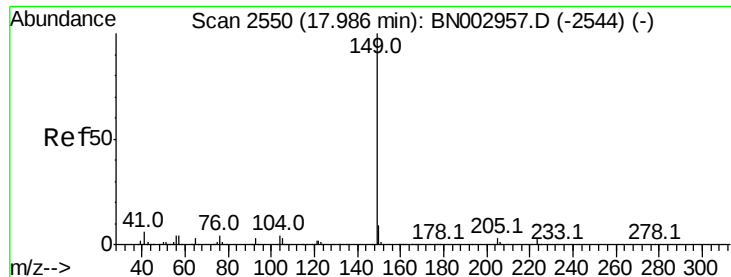
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.0	18.0
176	18.2	15.0	22.4



#74
 Carbazole
 Concen: 5.799 ng/ul
 RT: 17.43 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: BN002960.D
 Acq: 05 Oct 2018 11:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.8	10.7	16.1





#75

Di-n-butylphthalate

Concen: 16.340 ng/ul

RT: 17.99 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

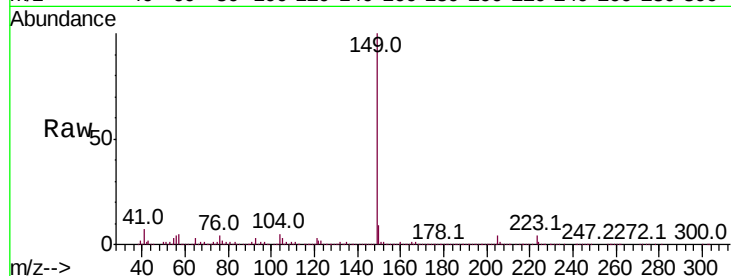
Tot Ion:149 Resp: 680698

Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

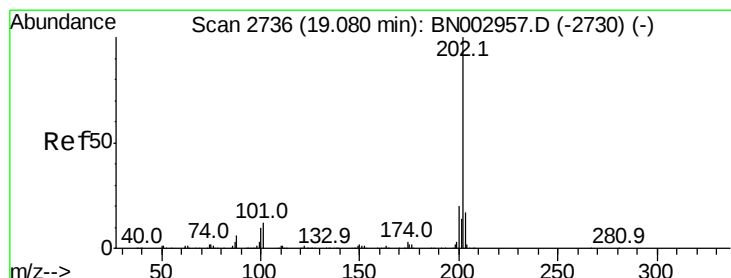
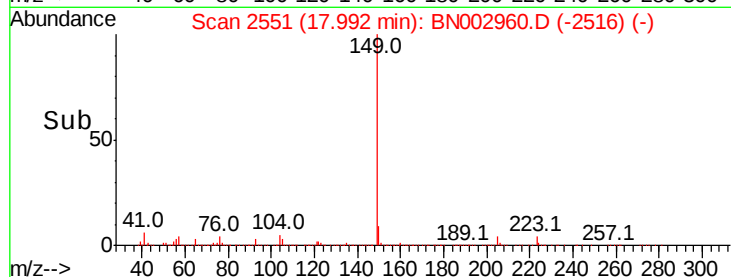
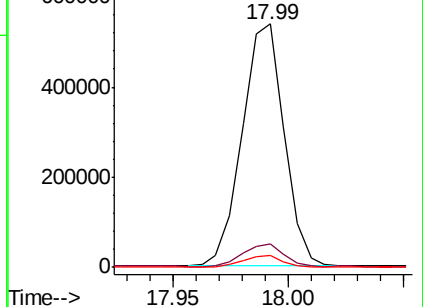
104 4.7 3.7 5.5



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: 81.246 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

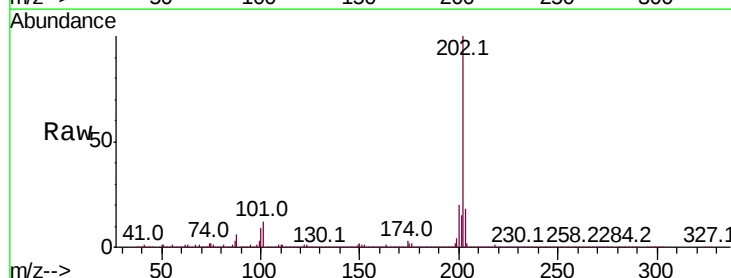
Tgt Ion:202 Resp: 3458461

Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.2

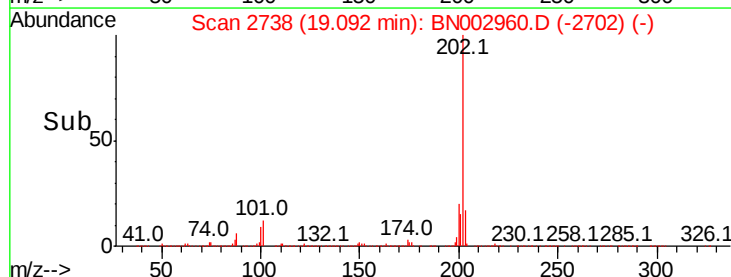
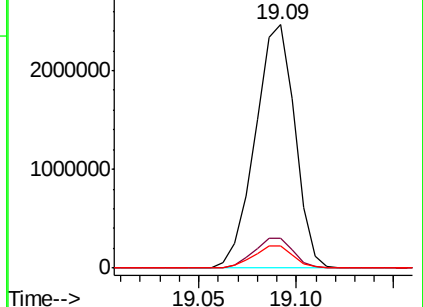
100 9.2 7.0 10.6

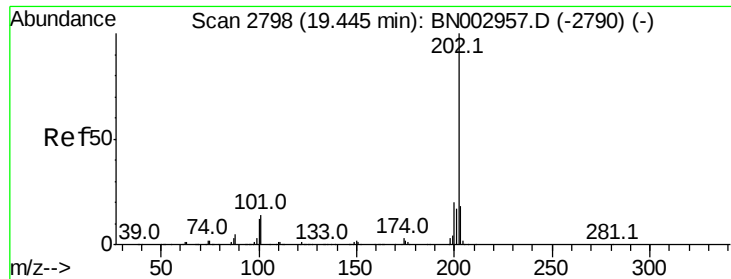


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

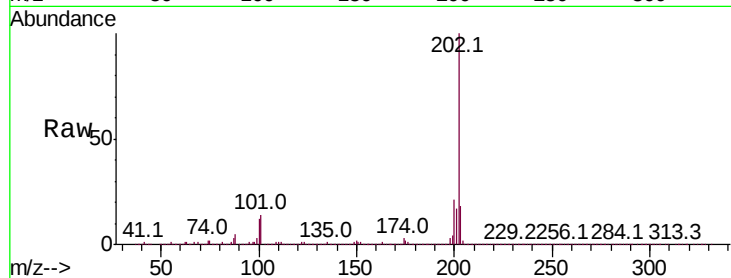




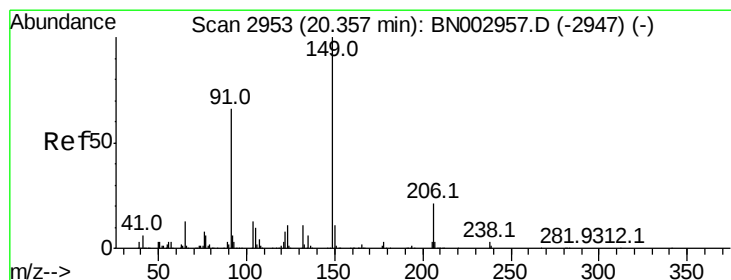
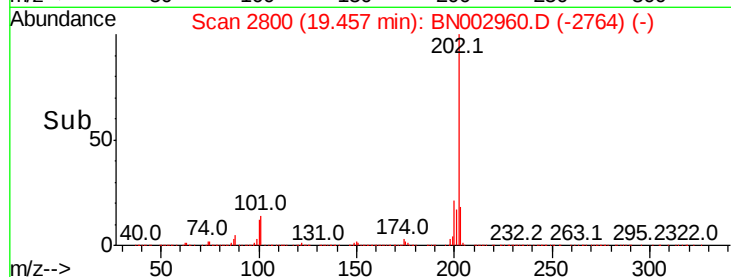
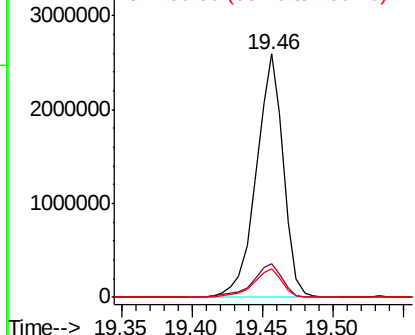
#79
Pvrene
Concen: 97.478 ng/ul
RT: 19.46 min Scan# 2800
Delta R.T. 0.01 min
Lab File: BN002960.D
Acq: 05 Oct 2018 11:02

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 3482878
Ion Ratio Lower Upper
202 100
101 14.0 10.8 16.2
100 11.7 8.2 12.2

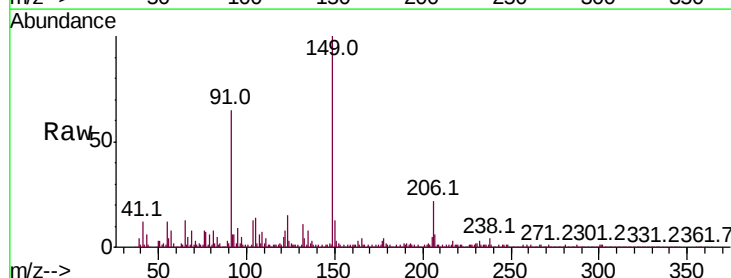


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

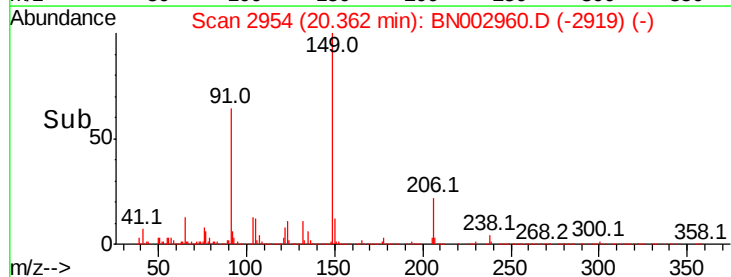
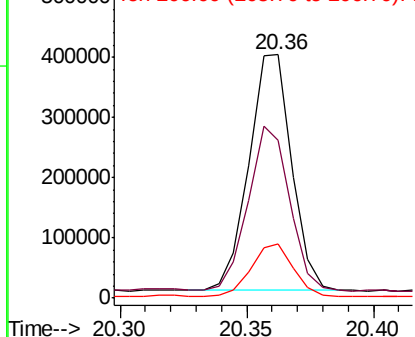


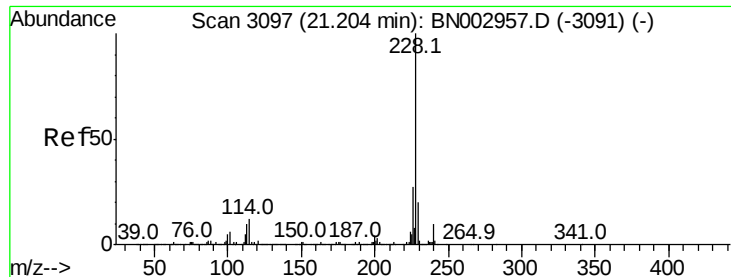
#80
Butylbenzylphthalate
Concen: 31.187 ng/ul
RT: 20.36 min Scan# 2954
Delta R.T. 0.01 min
Lab File: BN002960.D
Acq: 05 Oct 2018 11:02

Tgt Ion:149 Resp: 463684
Ion Ratio Lower Upper
149 100
91 65.0 56.3 84.5
206 22.4 16.8 25.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 57.624 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

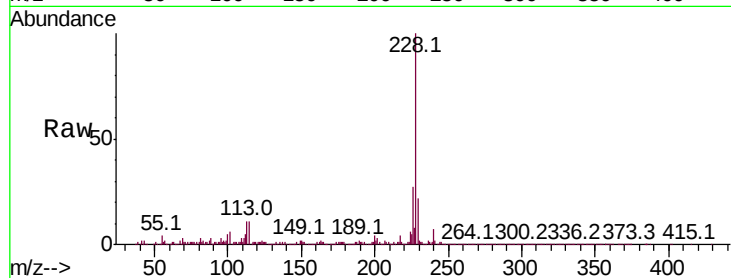
Tot Ion:228 Resp: 1937182

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.6

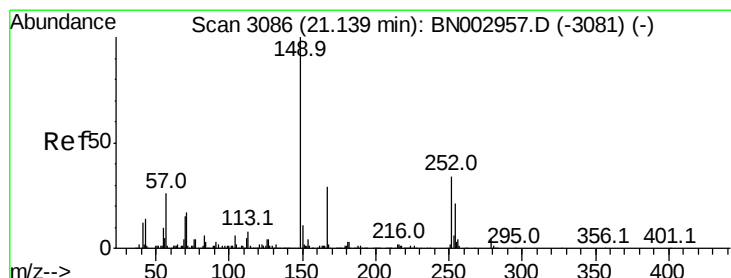
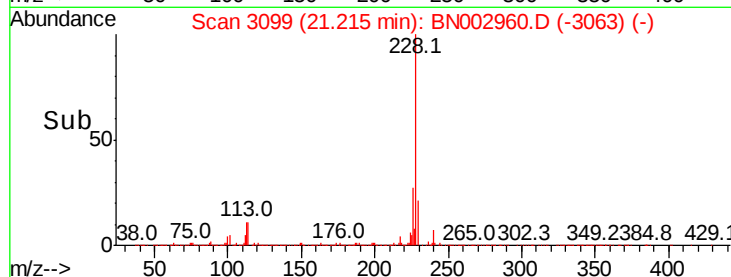
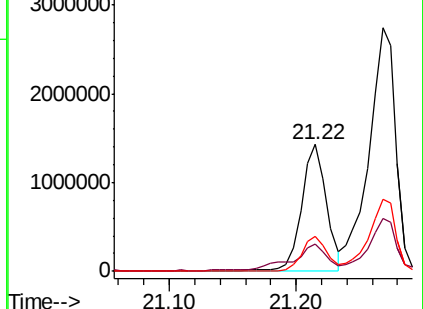
226 27.5 20.9 31.3



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: 184.793 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

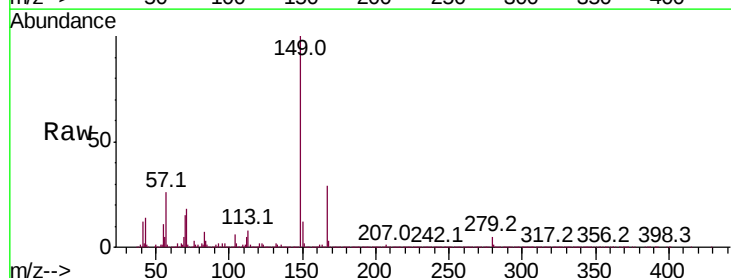
Tgt Ion:149 Resp: 3988725

Ion Ratio Lower Upper

149 100

167 28.8 22.0 33.0

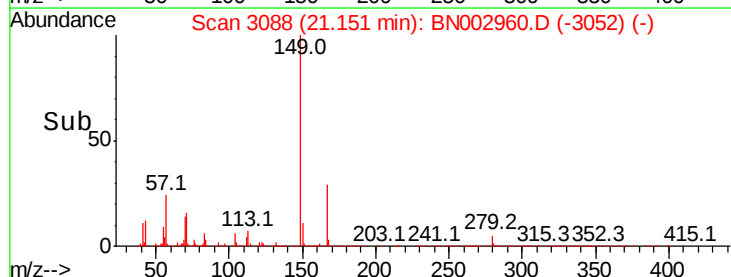
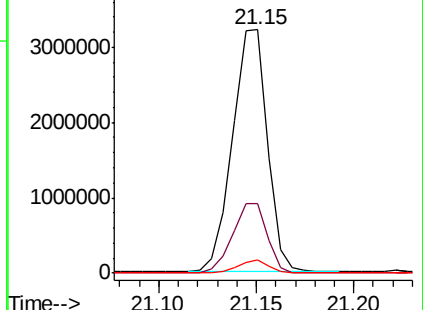
279 5.2 3.3 4.9#

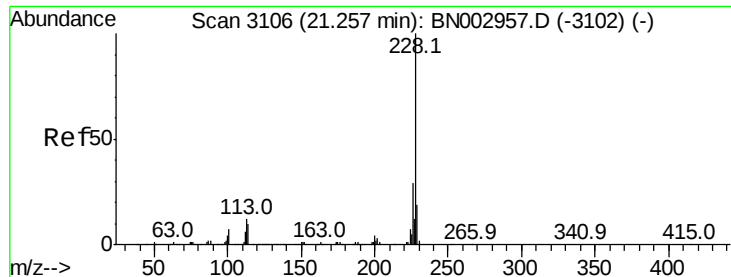


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 125.428 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

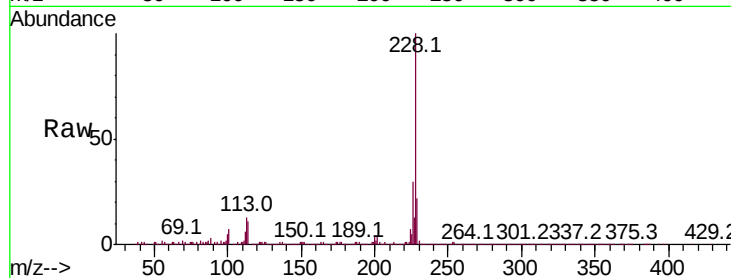
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 3952245

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	21.8	15.7	23.5

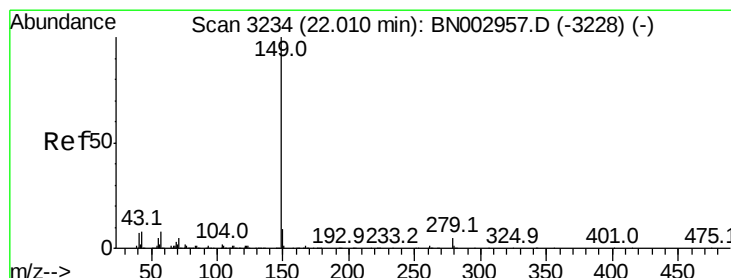
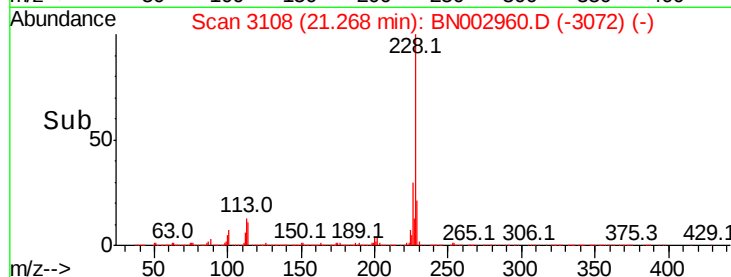
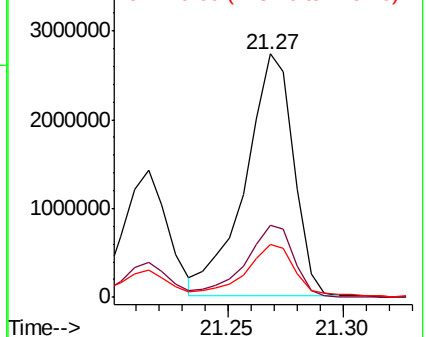


Abundance

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



#86

Di-n-octyl phthalate

Concen: 3.020 ng/ul

RT: 22.02 min Scan# 3236

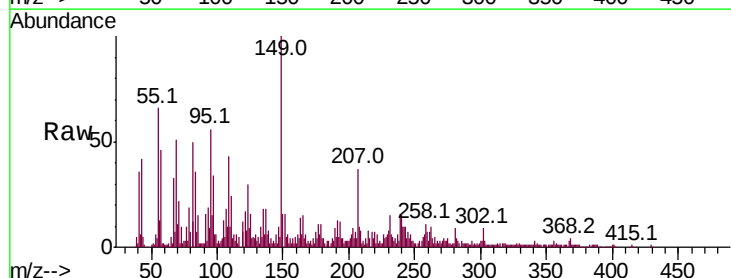
Delta R.T. 0.01 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Tgt Ion:149 Resp: 105907

Ion	Ratio	Lower	Upper
149	100		
167	6.1	1.4	2.0#
43	42.0	7.4	11.0#

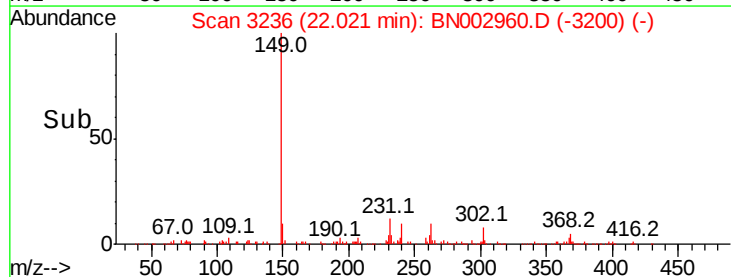
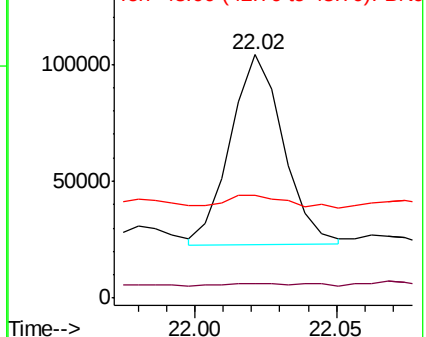


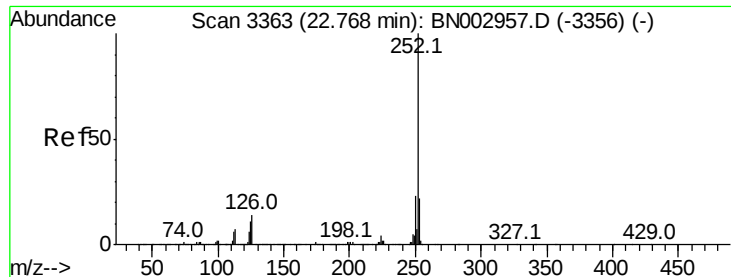
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC





#87

Benzo(b)fluoranthene

Concen: 124.225 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

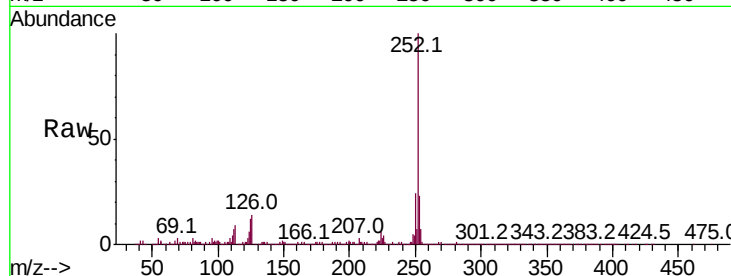
Tot Ion:252 Resp: 4024665

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

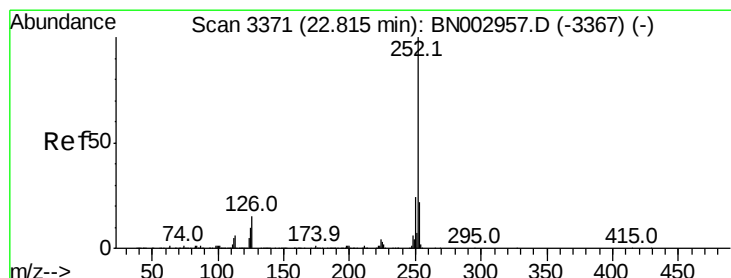
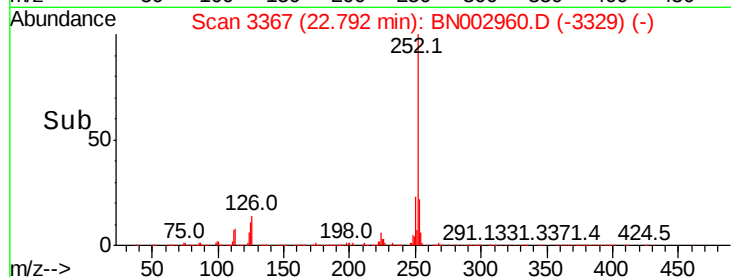
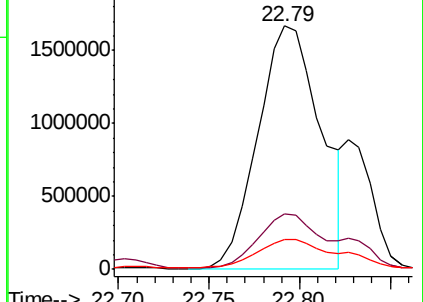
125 12.3 8.0 12.0#



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: 133.155 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.02 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

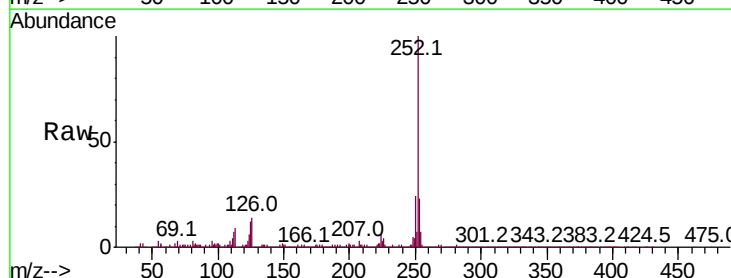
Tgt Ion:252 Resp: 4024665

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

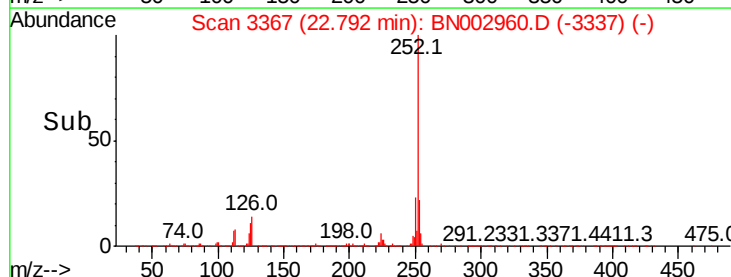
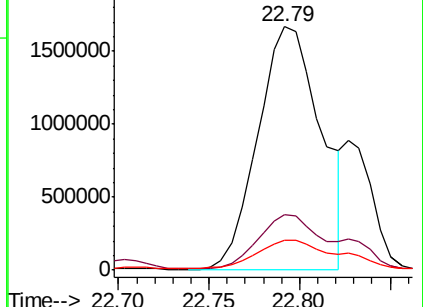
125 12.3 8.3 12.5

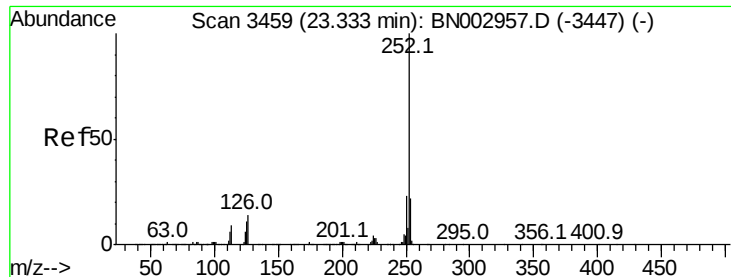


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 54.411 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.02 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

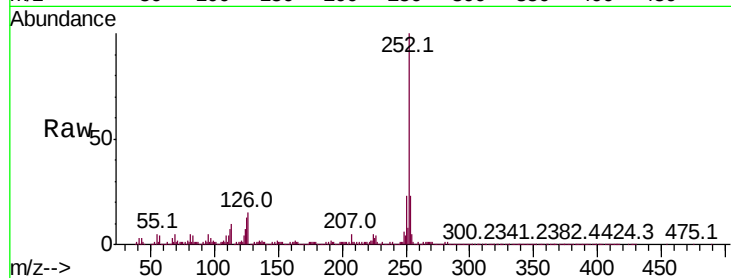
Tot Ion:252 Resp: 1666563

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	12.8	8.8	13.2

252 100

253 23.2 17.6 26.4

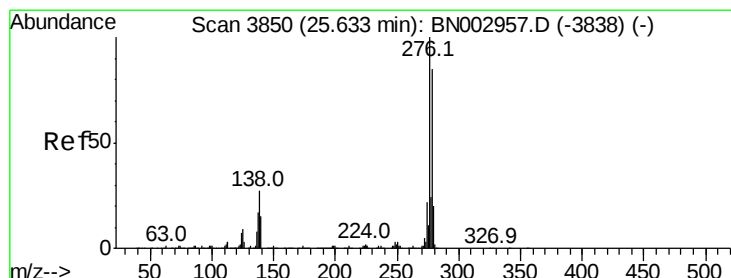
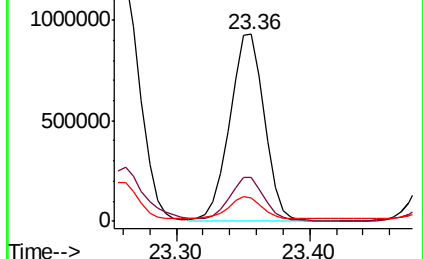
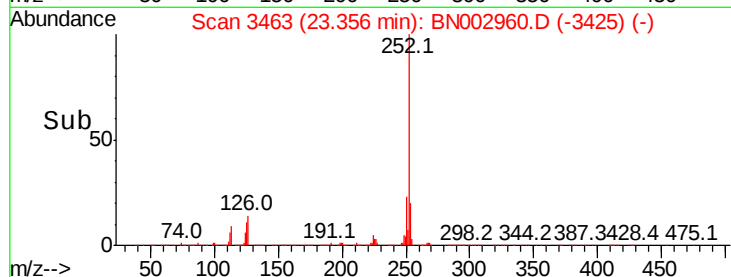
125 12.8 8.8 13.2



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: 39.663 ng/ul

RT: 25.66 min Scan# 3855

Delta R.T. 0.03 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

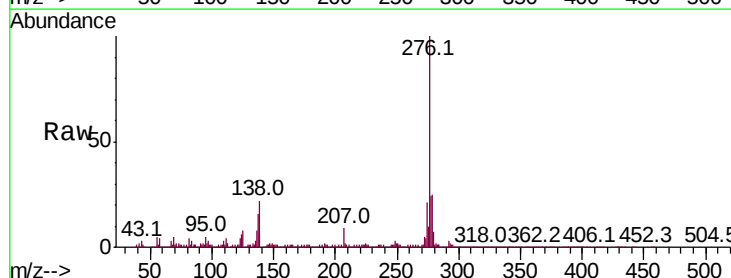
Tgt Ion:276 Resp: 1438236

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.4
277	24.2	20.0	30.0

276 100

138 22.4 20.2 30.4

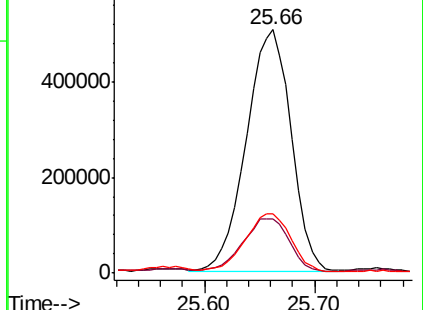
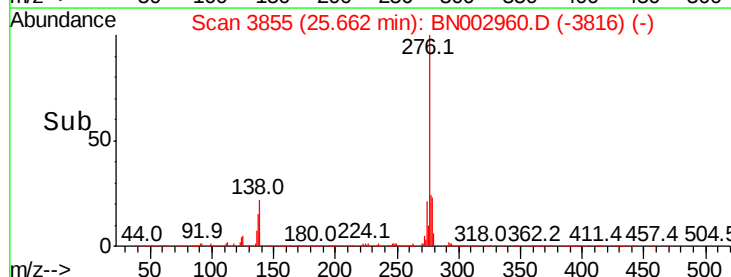
277 24.2 20.0 30.0

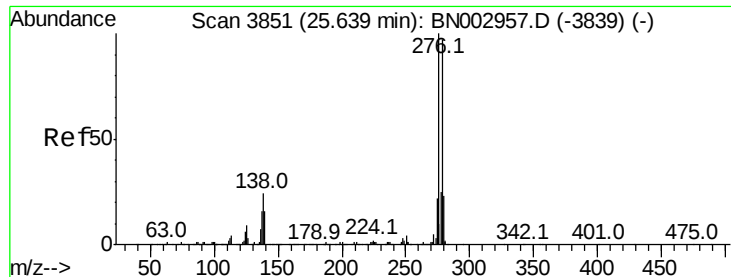


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 13.962 ng/ul

RT: 25.66 min Scan# 3854

Delta R.T. 0.02 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

Instrument :

BNA_N

ClientSampleId :

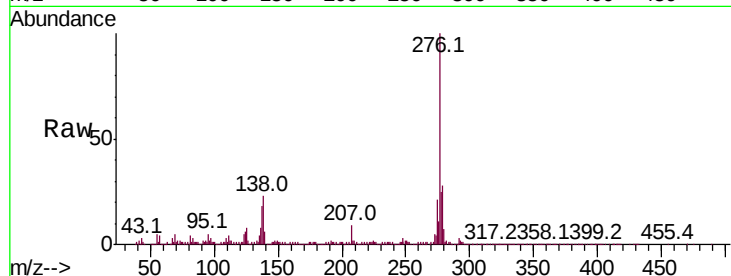
Tot Ion:278 Resp: 426579

Ion Ratio Lower Upper

278 100

139 21.8 12.7 19.1#

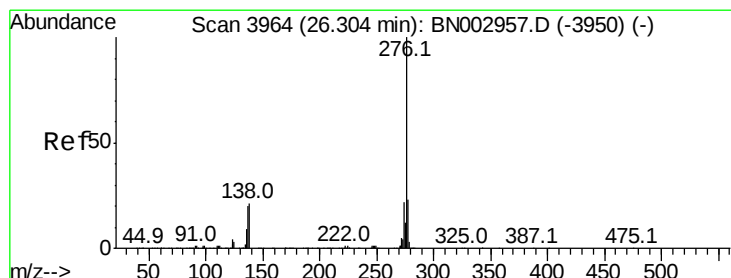
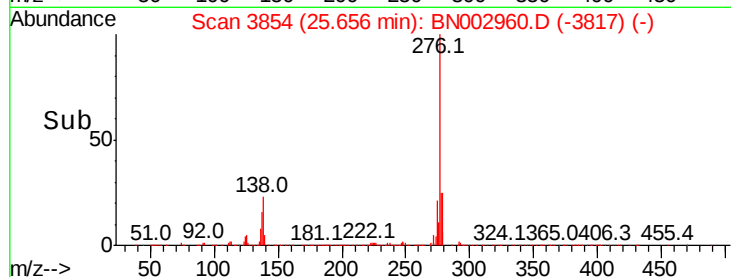
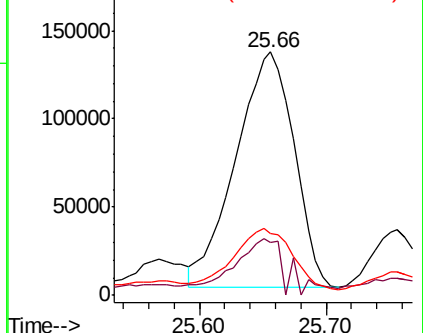
279 25.2 18.7 28.1



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



#93

Benzo(g,h,i)perylene

Concen: 50.039 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.04 min

Lab File: BN002960.D

Acq: 05 Oct 2018 11:02

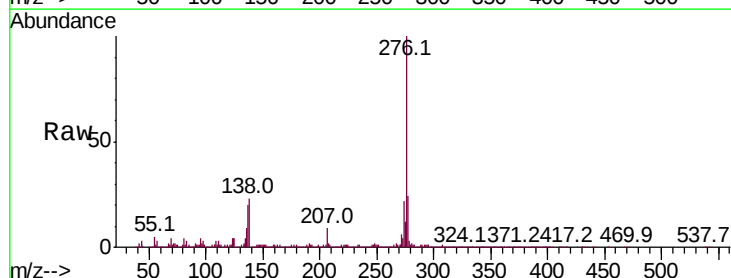
Tgt Ion:276 Resp: 1516782

Ion Ratio Lower Upper

276 100

138 23.5 18.2 27.2

277 23.9 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

