

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
 Data File : BN002601.D
 Acq On : 06 Sep 2018 03:38
 Operator : JU/SJ
 Sample : J4688-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 06 06:57:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 06 06:54:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	216834	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	996913	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	577658	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1239853	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	994979	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	810986	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	15438	3.36	ng/uL	0.00
5) Phenol-d5	6.85	99	372768	18.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	242019	19.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	312534	20.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	281303	17.70	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	157293	19.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	182017	21.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	313725	20.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	260916	15.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	1017400	21.25	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1253485	21.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	119350	13.18	ng/ul	0.00
57) Fluorene-d10	15.29	176	877496	21.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	148094	18.76	ng/ul	0.00
70) Anthracene-d10	17.14	188	1296763	21.89	ng/ul	0.00
78) Pyrene-d10	19.45	212	1317424	27.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	952245	22.46	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.88	94	21076	1.041	ng/ul#	87
28) Naphthalene	10.48	128	394077	7.683	ng/ul	99
30) 4-Chloroaniline	10.48	127	51647	3.082	ng/ul#	15
34) 2-Methylnaphthalene	12.10	142	123413	3.260	ng/ul	99
44) Dimethylphthalate	13.76	163	1020652	21.732	ng/ul	99
47) Acenaphthylene	14.02	152	129350	2.313	ng/ul	98
49) Acenaphthene	14.36	153	212693	5.391	ng/ul	97
53) Dibenzofuran	14.70	168	264133	4.745	ng/ul	96
58) Fluorene	15.35	166	191608	4.208	ng/ul	98
69) Phenanthrene	17.09	178	2929373	42.858	ng/ul	100
71) Anthracene	17.17	178	479629	6.919	ng/ul	100
74) Carbazole	17.45	167	300360	4.886	ng/ul	99
75) Di-n-butylphthalate	18.02	149	92767	1.241	ng/ul#	96
76) Fluoranthene	19.11	202	4036352	51.886	ng/ul	98
79) Pyrene	19.47	202	3427811	57.135	ng/ul	98
82) Benzo(a)anthracene	21.23	228	1507595	24.732	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.18	149	11590057	303.972	ng/ul#	87
84) Chrysene	21.28	228	1623533	28.141	ng/ul	97
87) Benzo(b)fluoranthene	22.80	252	1855202	38.163	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	1855202	40.509	ng/ul	98
90) Benzo(a)pyrene	23.37	252	1136865	24.550	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.67	276	746632	13.553	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.67	278	196256	4.261	ng/ul#	79

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QLast Update : Thu Sep 06 06:54:57 2018
Response via : Initial Calibration

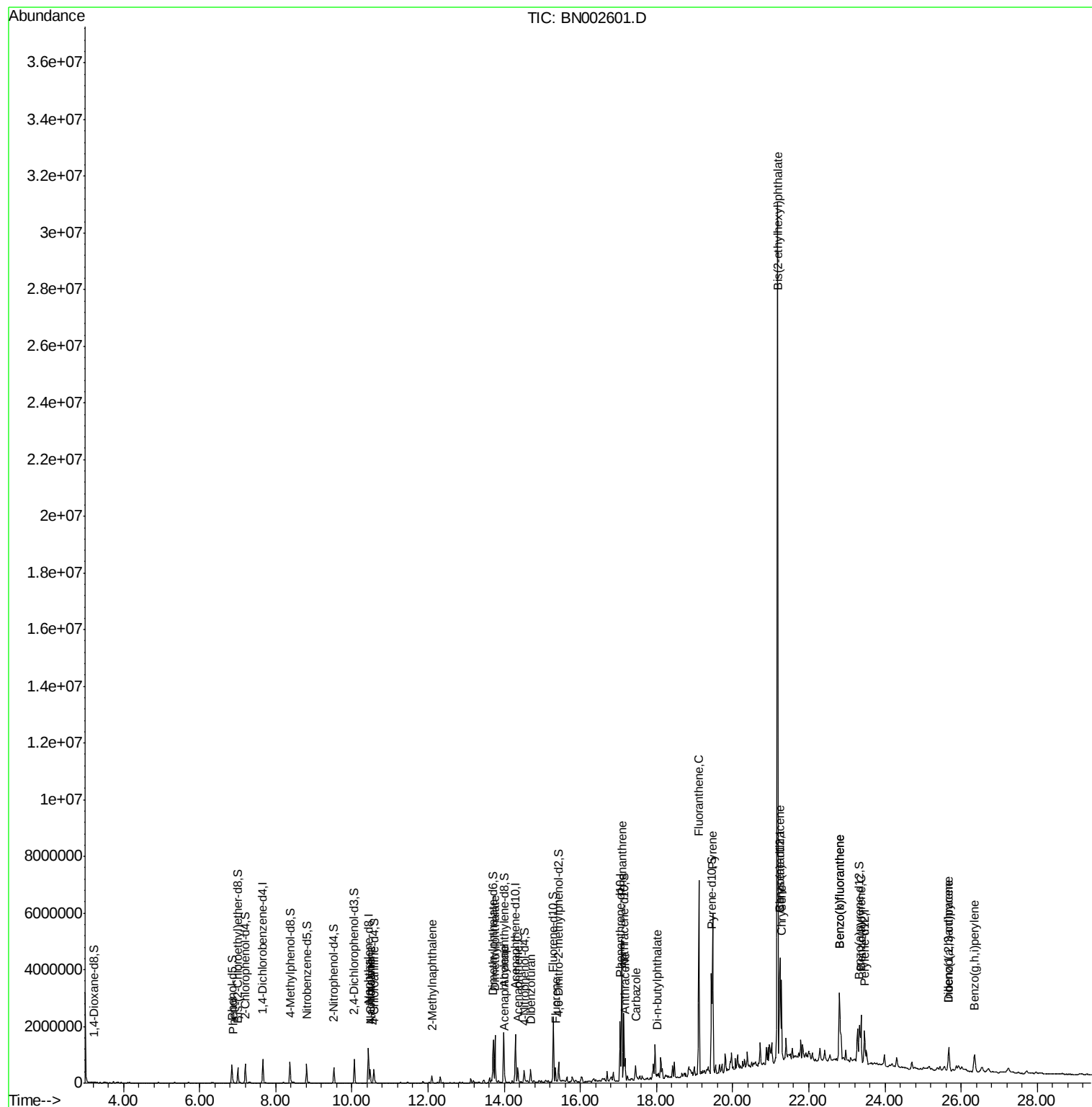
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.35	276	708733	15.418	ng/ul	96

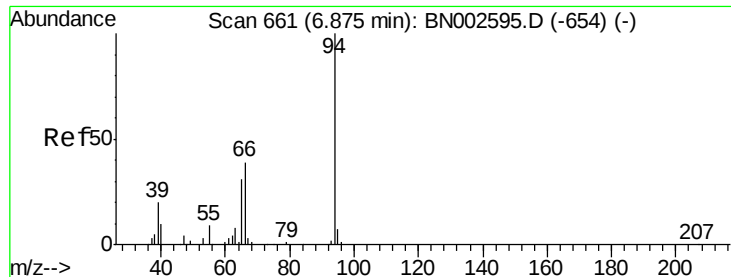
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.041 ng/ul

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampleId :

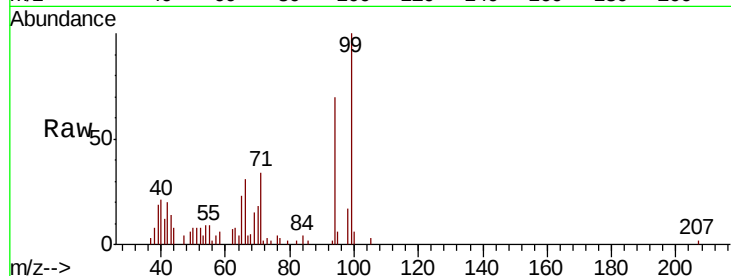
Tot Ion: 94 Resp: 21076

Ion Ratio Lower Upper

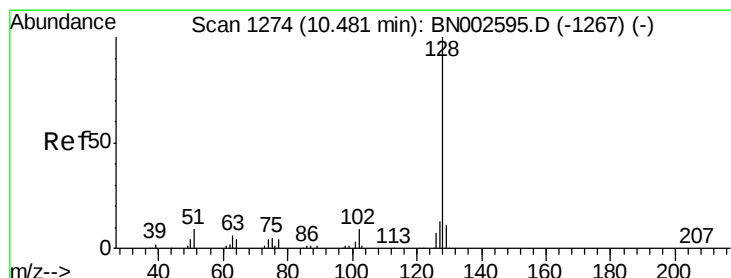
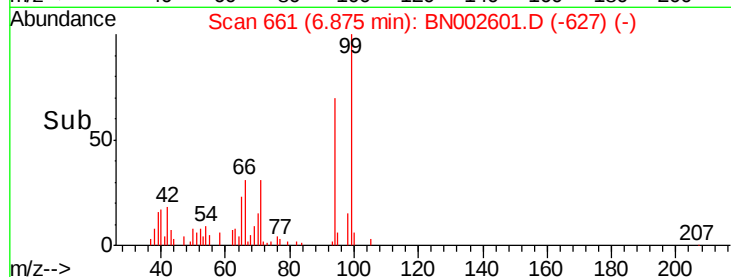
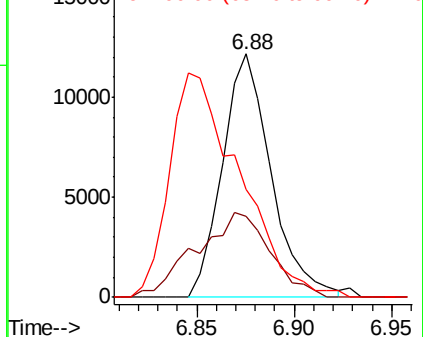
94 100

65 33.3 21.0 31.6#

66 44.5 29.3 43.9#



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



#28

Naphthalene

Concen: 7.683 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

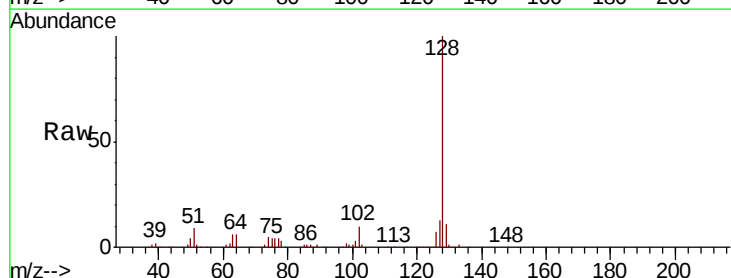
Tgt Ion: 128 Resp: 394077

Ion Ratio Lower Upper

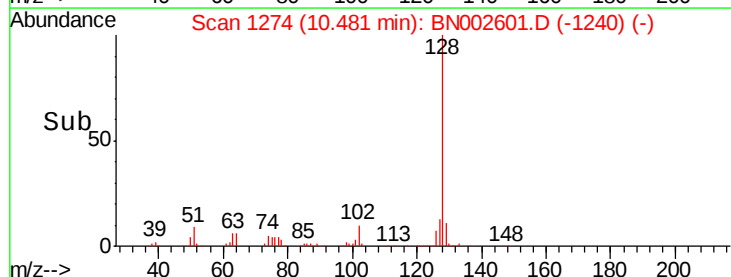
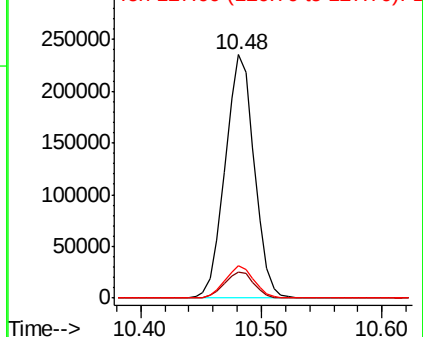
128 100

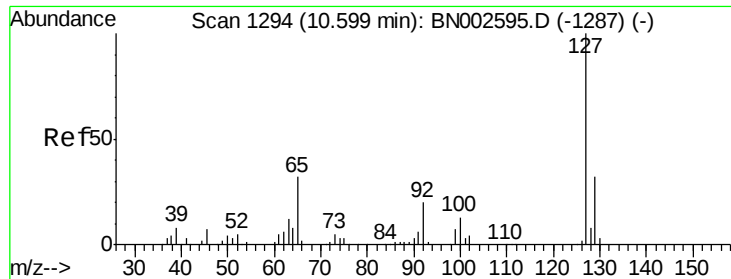
129 10.5 8.8 13.2

127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

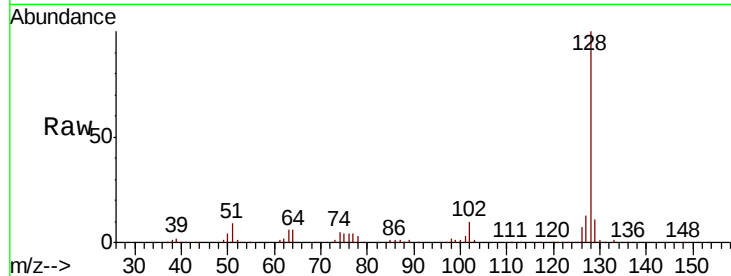




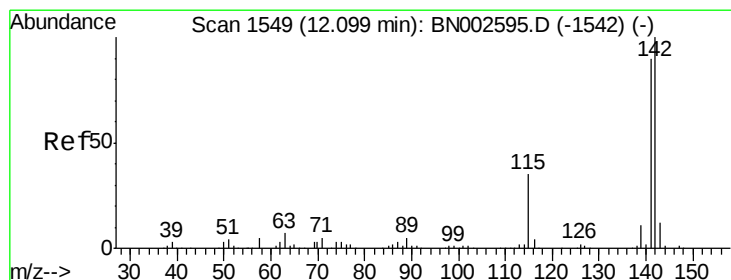
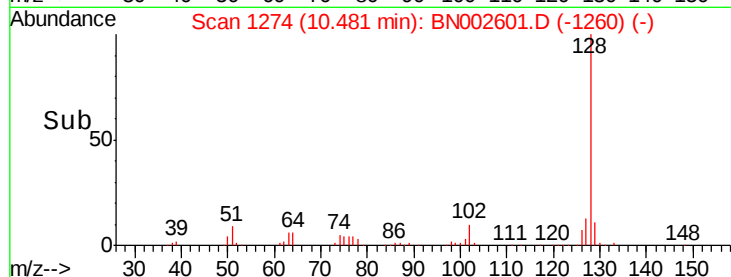
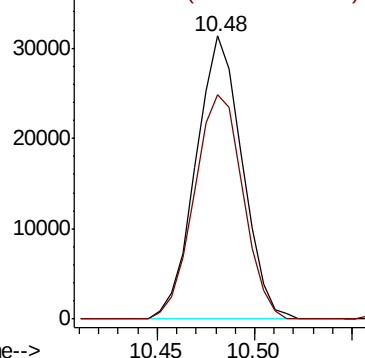
#30
 4-Chloroaniline
 Concen: 3.082 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.12 min
 Lab File: BN002601.D
 Acq: 06 Sep 2018 03:38

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:127 Resp: 51647
 Ion Ratio Lower Upper
 127 100
 129 79.1 25.4 38.2#

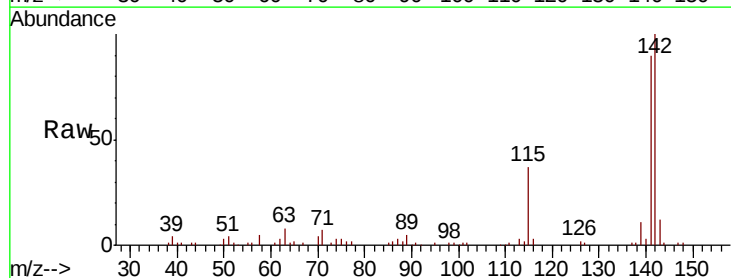


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E

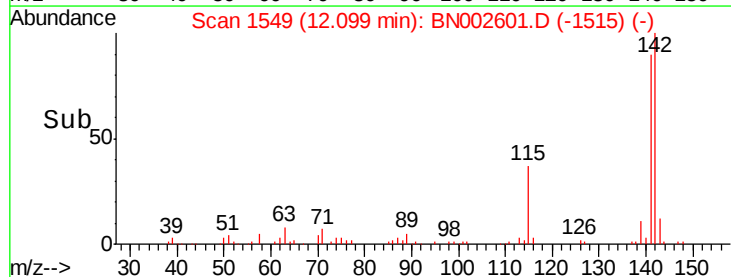
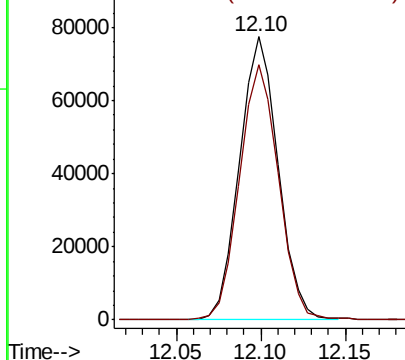


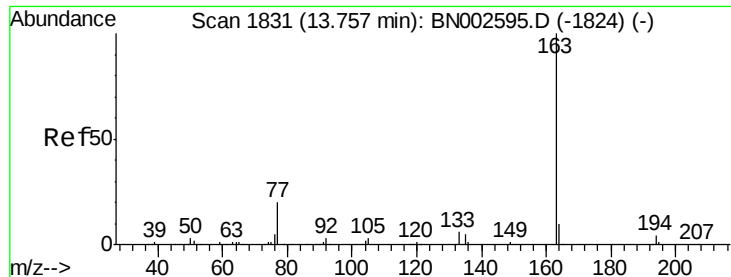
#34
 2-Methylnaphthalene
 Concen: 3.260 ng/ul
 RT: 12.10 min Scan# 1549
 Delta R.T. 0.00 min
 Lab File: BN002601.D
 Acq: 06 Sep 2018 03:38

Tgt Ion:142 Resp: 123413
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 21.732 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampled :

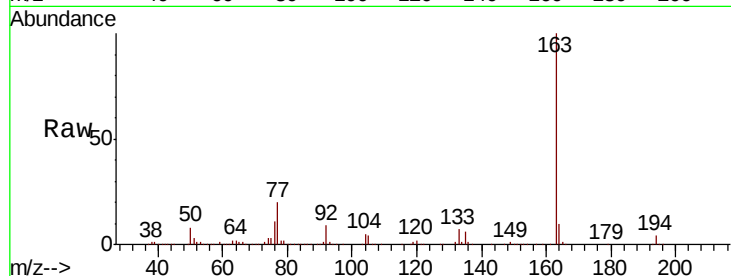
Tot Ion:163 Resp: 1020652

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

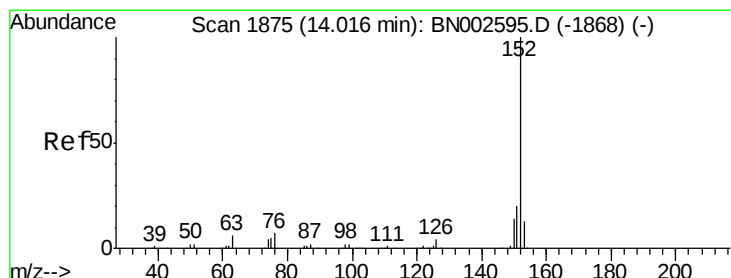
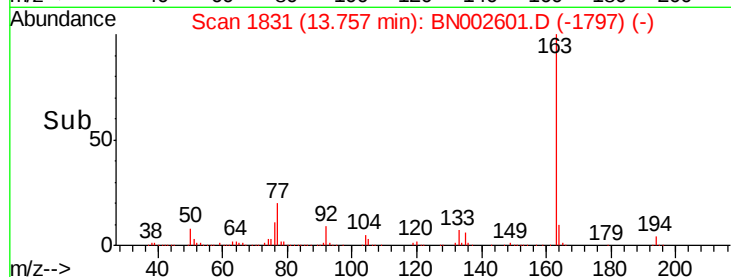
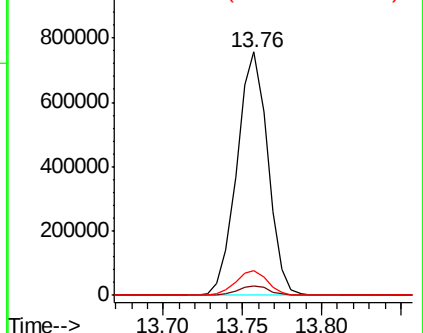
164 10.2 7.8 11.8



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: 2.313 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

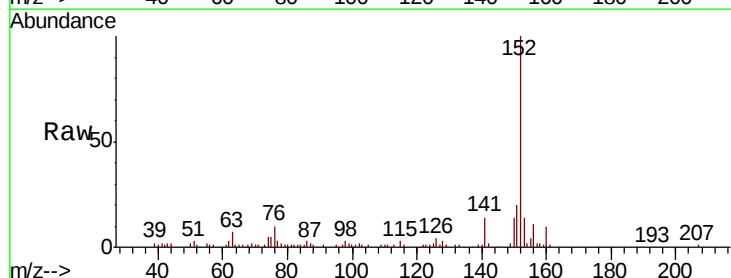
Tgt Ion:152 Resp: 129350

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

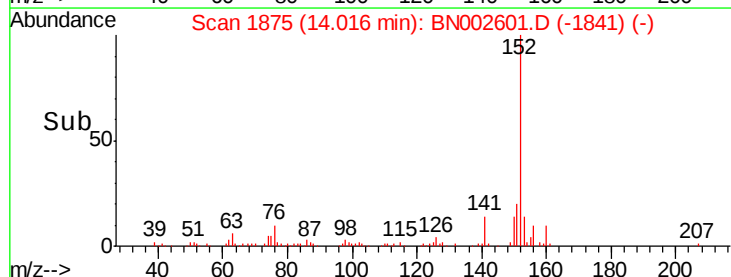
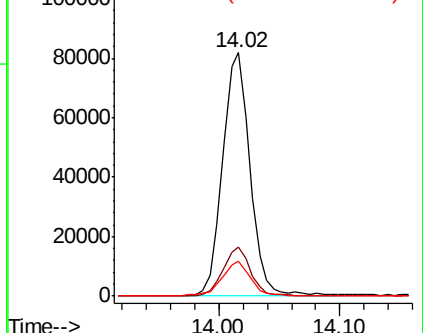
153 14.3 10.5 15.7

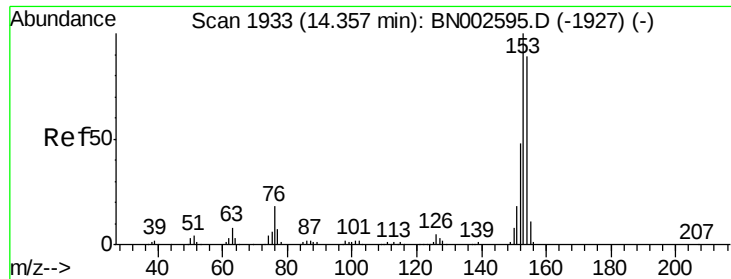


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.391 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampleId :

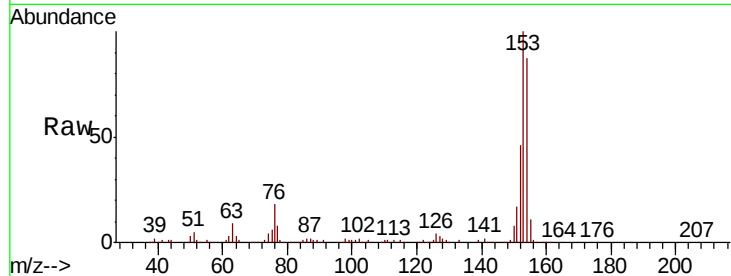
Tot Ion:153 Resp: 212693

Ion Ratio Lower Upper

153 100

152 46.4 38.3 57.5

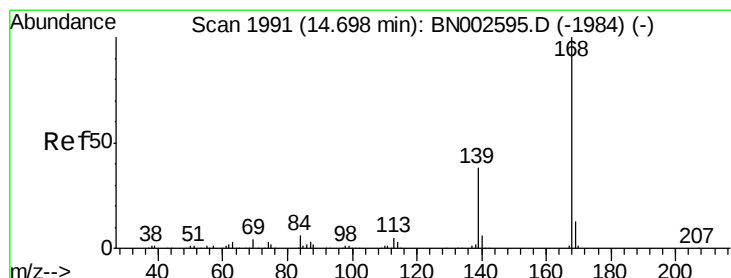
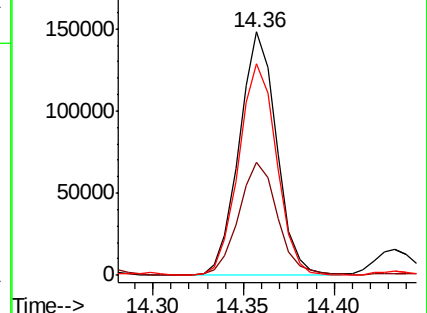
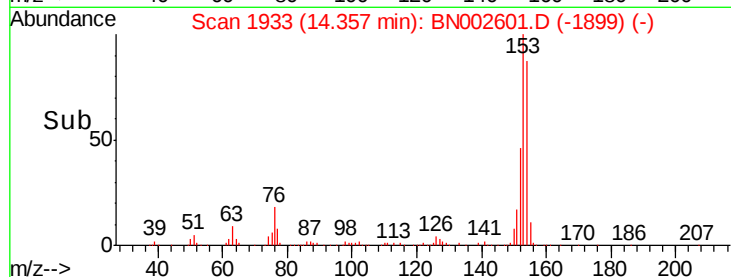
154 87.0 71.8 107.8



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: 4.745 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BN002601.D

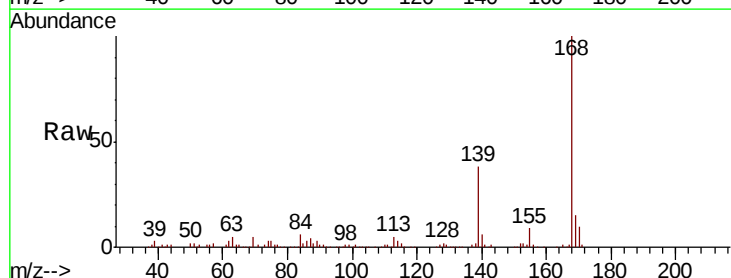
Acq: 06 Sep 2018 03:38

Tgt Ion:168 Resp: 264133

Ion Ratio Lower Upper

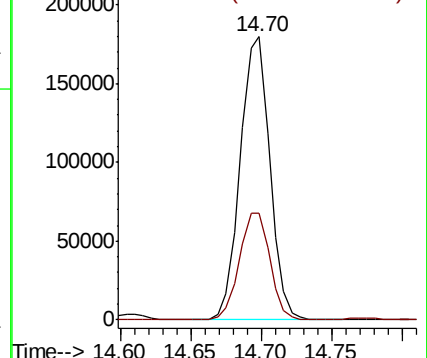
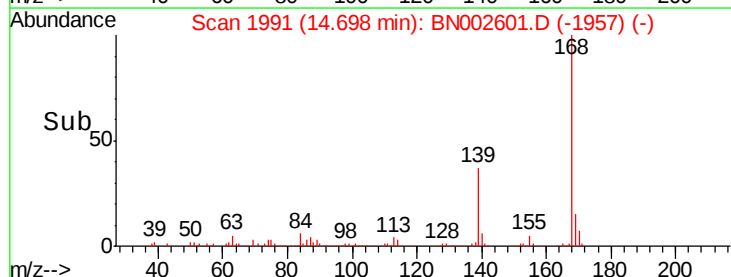
168 100

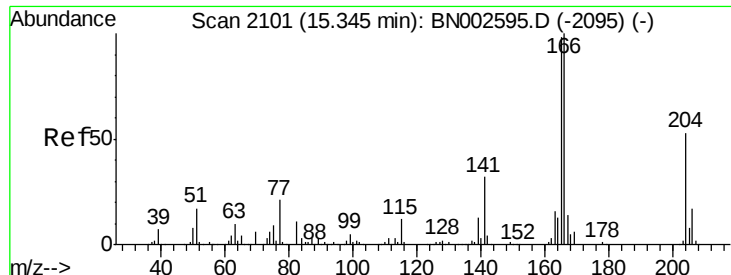
139 37.7 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.208 ng/ul

RT: 15.35 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampleId :

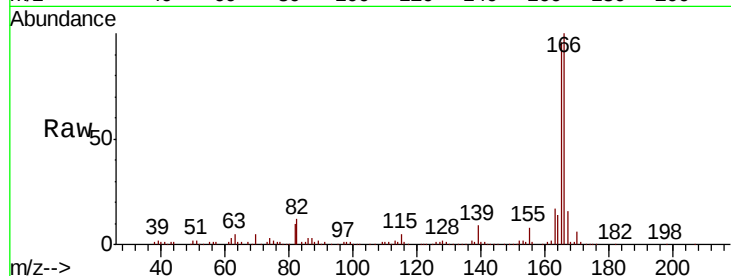
Tot Ion:166 Resp: 191608

Ion Ratio Lower Upper

166 100

165 96.3 78.5 117.7

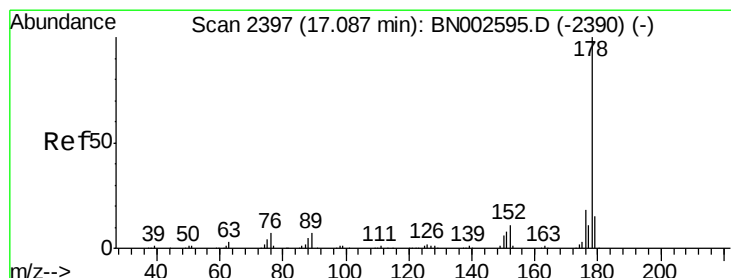
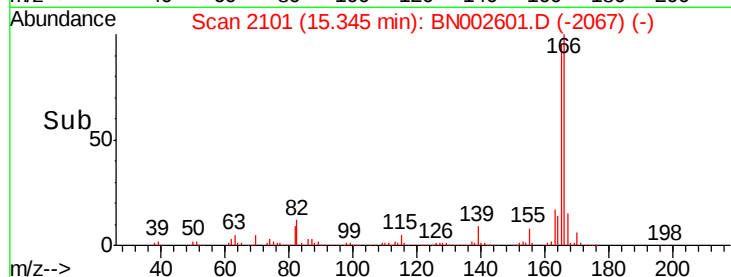
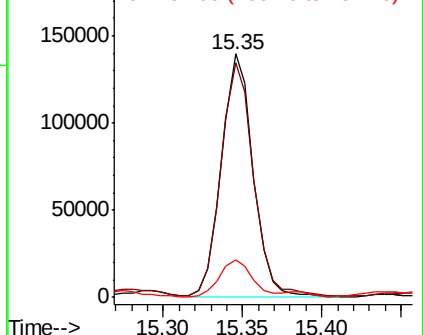
167 15.7 10.7 16.1



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: 42.858 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

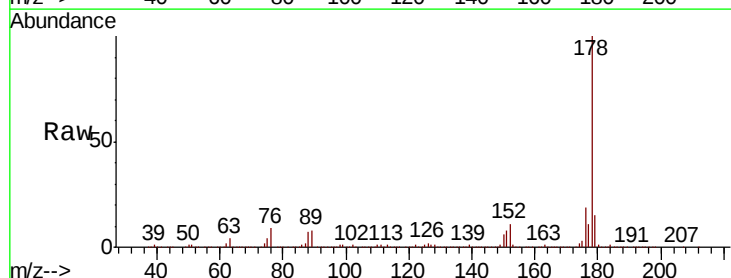
Tgt Ion:178 Resp: 2929373

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

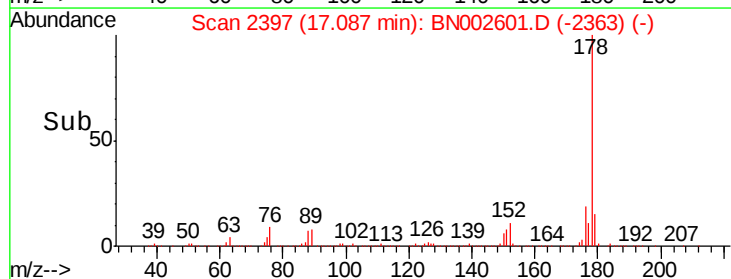
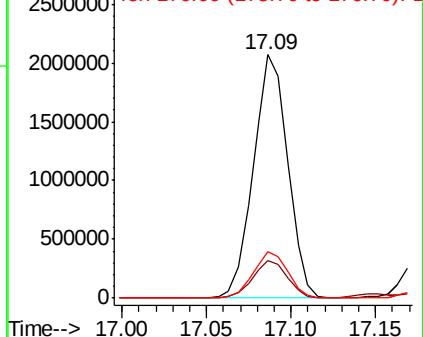
176 19.2 15.6 23.4

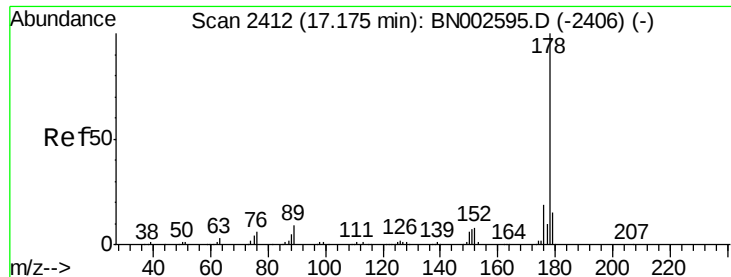


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

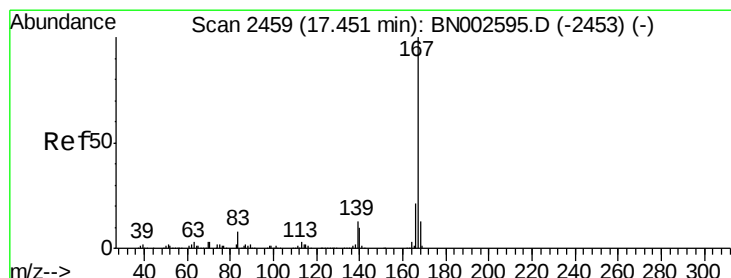
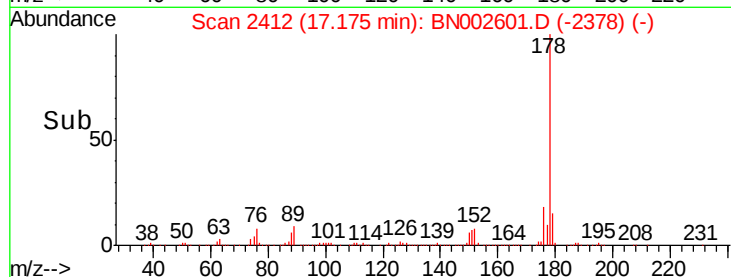
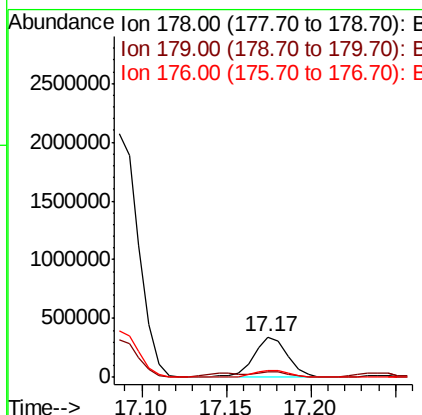
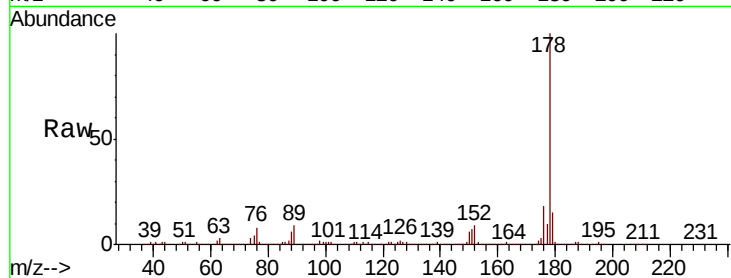




#71
 Anthracene
 Concen: 6.919 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BN002601.D
 Acq: 06 Sep 2018 03:38

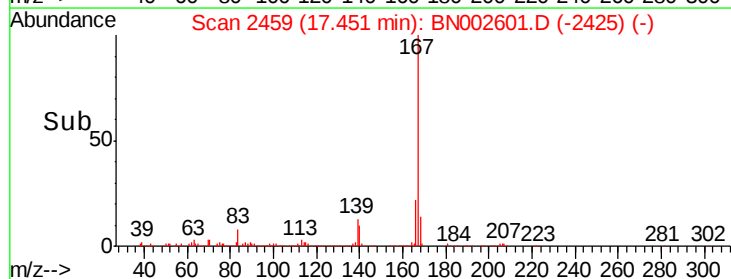
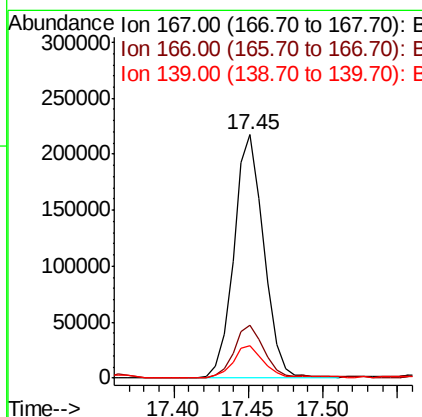
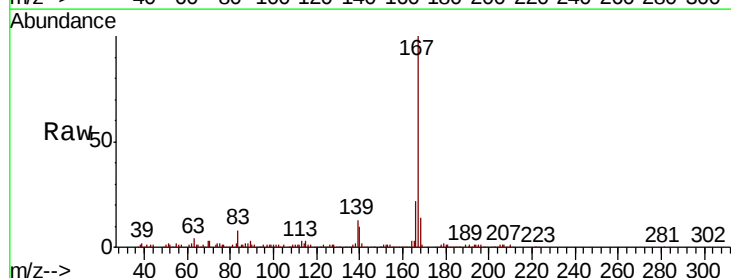
Instrument :
 BNA_N
 ClientSampled :

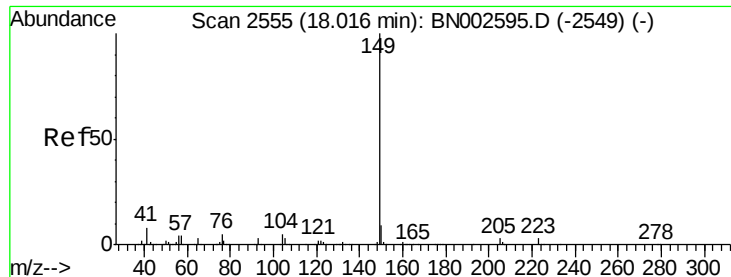
Tot Ion:178 Resp: 479629
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.1 18.1
 176 18.5 14.8 22.2



#74
 Carbazole
 Concen: 4.886 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: BN002601.D
 Acq: 06 Sep 2018 03:38

Tgt Ion:167 Resp: 300360
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.4 11.0 16.4





#75

Di-n-butylphthalate

Concen: 1.241 ng/ul

RT: 18.02 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampled :

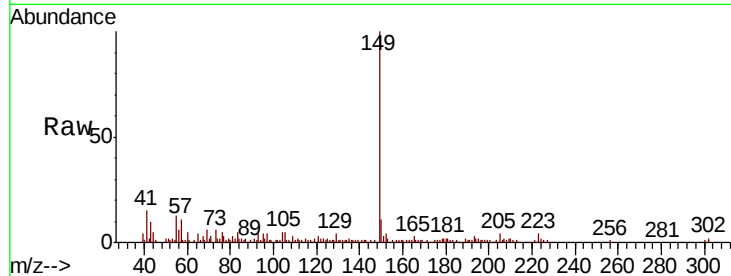
Tot Ion:149 Resp: 92767

Ion Ratio Lower Upper

149 100

150 11.2 7.4 11.0#

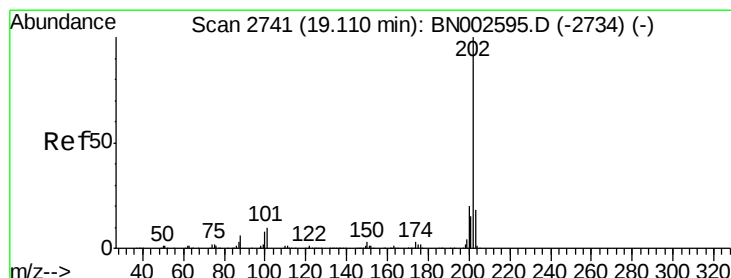
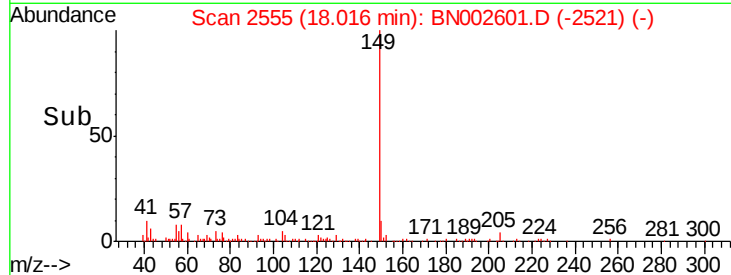
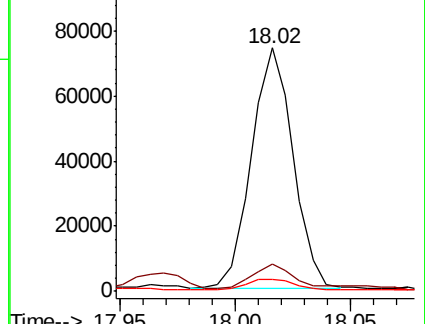
104 5.1 4.0 6.0



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: 51.886 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

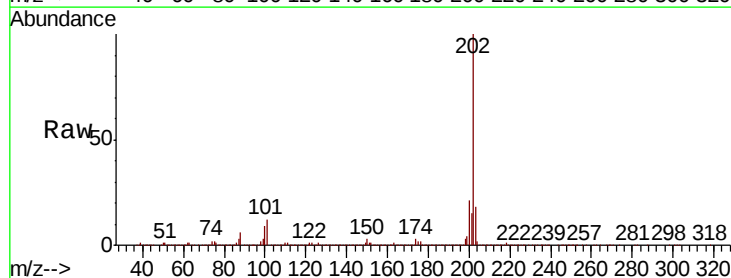
Tgt Ion:202 Resp: 4036352

Ion Ratio Lower Upper

202 100

101 11.7 8.8 13.2

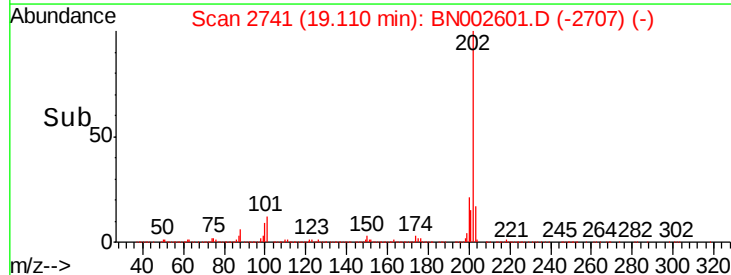
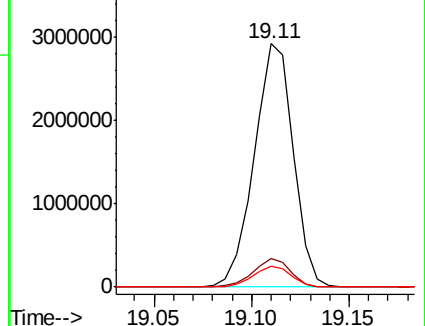
100 8.8 6.6 9.8

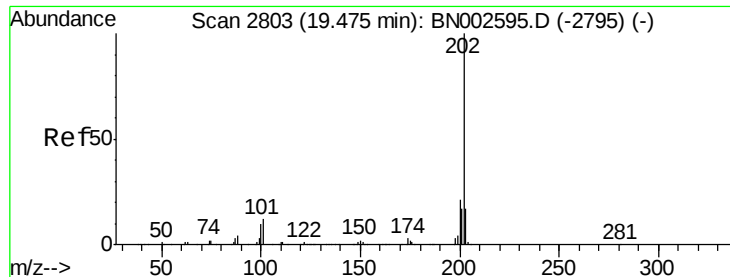


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

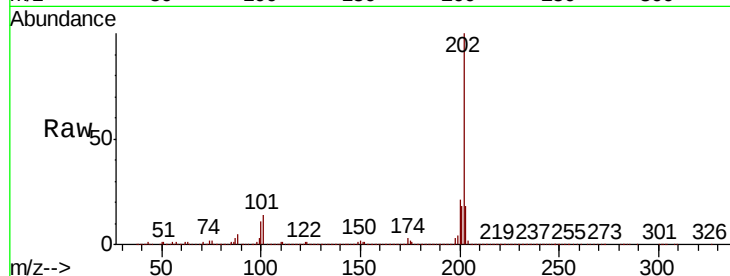




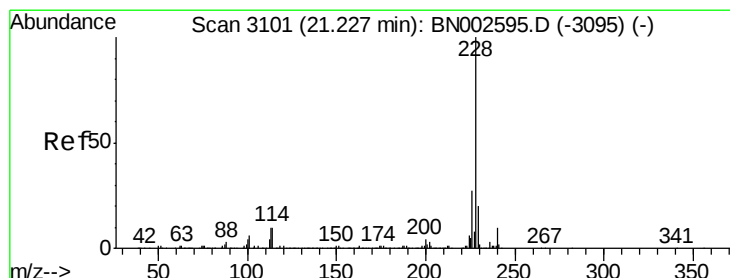
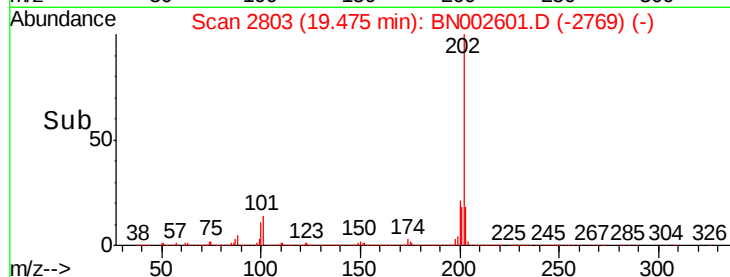
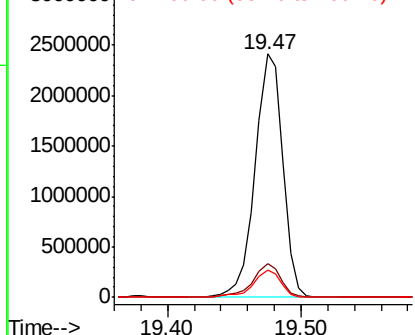
#79
Pvrene
Concen: 57.135 ng/ul
RT: 19.47 min Scan# 2803
Delta R.T. 0.00 min
Lab File: BN002601.D
Acq: 06 Sep 2018 03:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 3427811
Ion Ratio Lower Upper
202 100
101 13.7 10.2 15.2
100 11.4 8.5 12.7

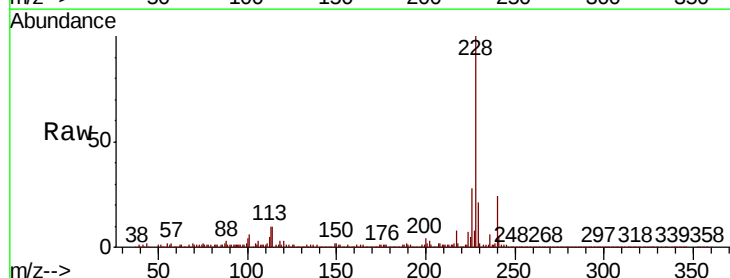


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

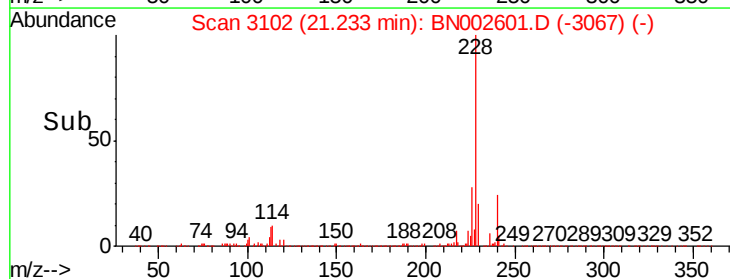
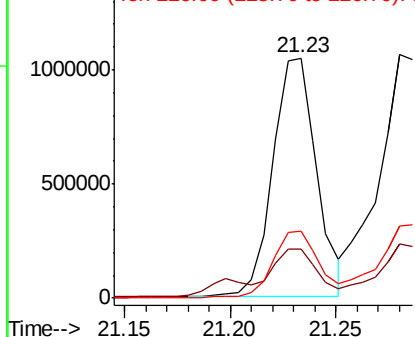


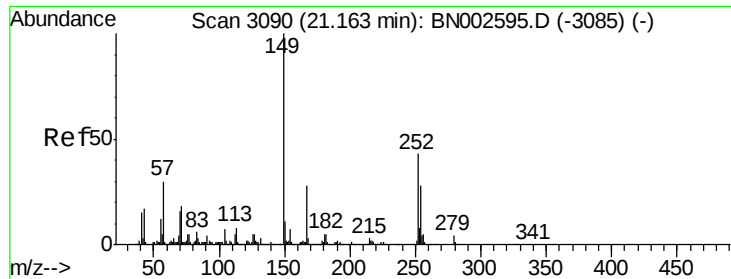
#82
Benzo(a)anthracene
Concen: 24.732 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BN002601.D
Acq: 06 Sep 2018 03:38

Tgt Ion:228 Resp: 1507595
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.0 21.8 32.6



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: 303.972 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. 0.02 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampleId :

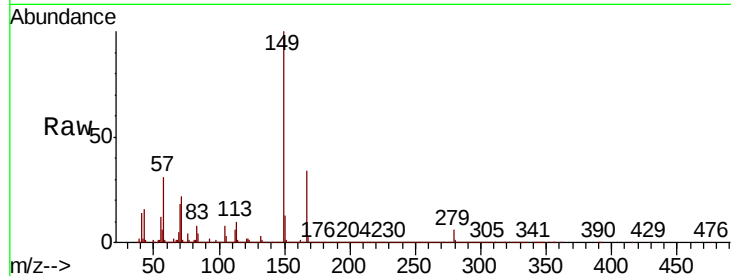
Tot Ion:149 Resp:11590057

Ion Ratio Lower Upper

149 100

167 34.0 21.6 32.4#

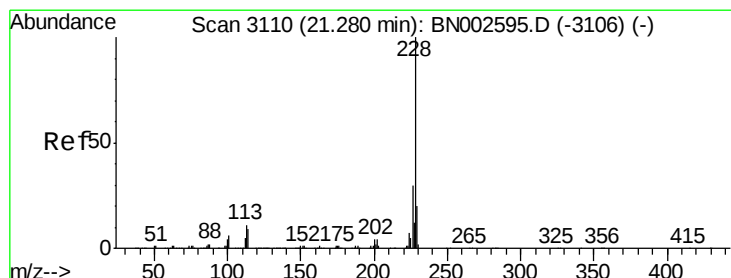
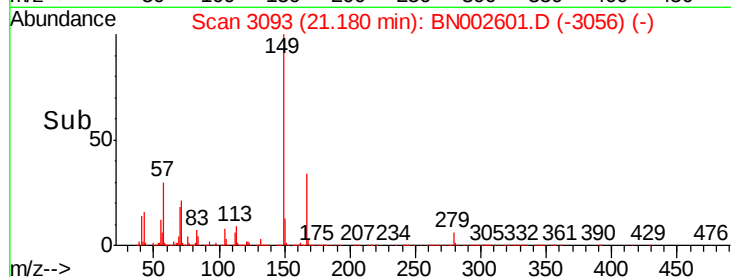
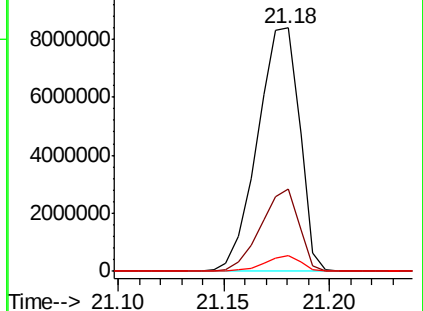
279 6.3 3.0 4.4#



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: 28.141 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

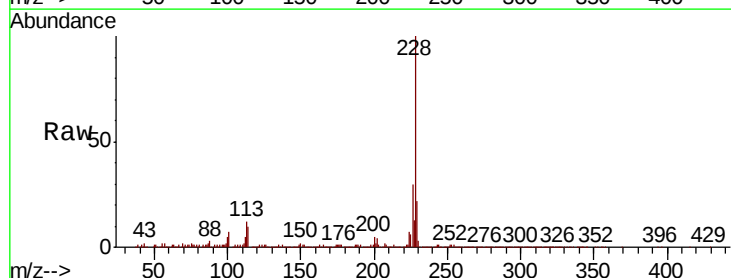
Tgt Ion:228 Resp: 1623533

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

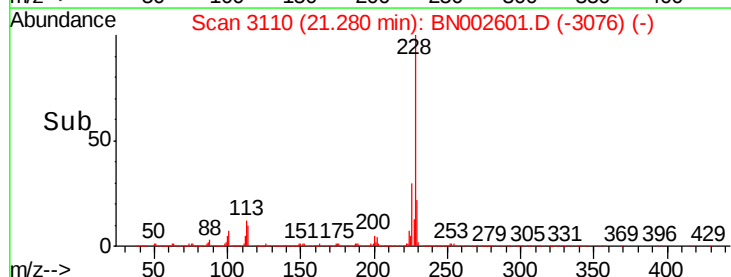
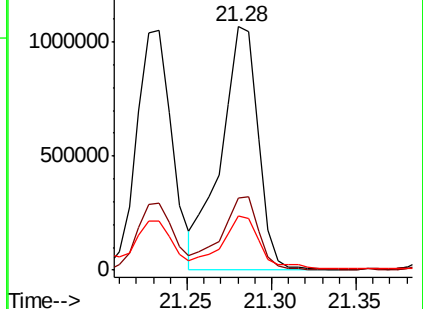
229 22.3 15.6 23.4

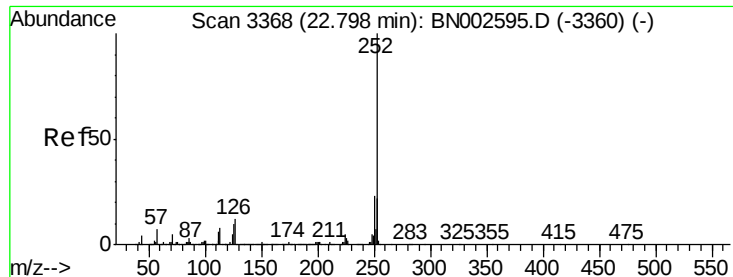


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 38.163 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampled :

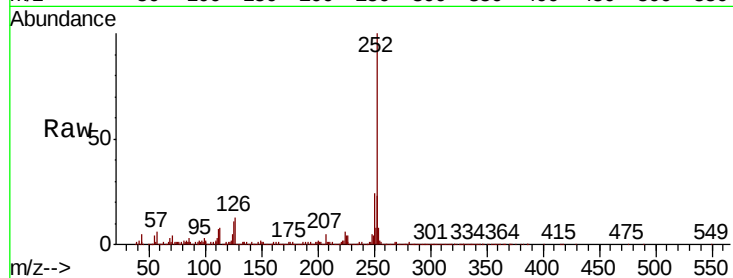
Tot Ion:252 Resp: 1855202

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

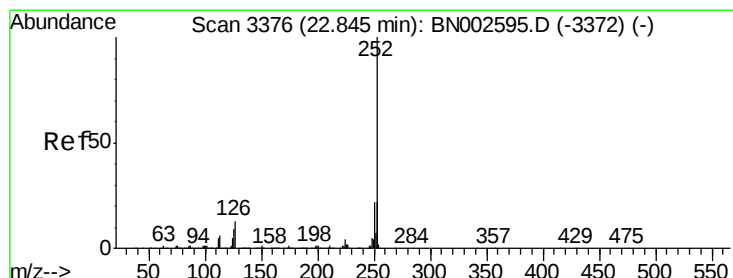
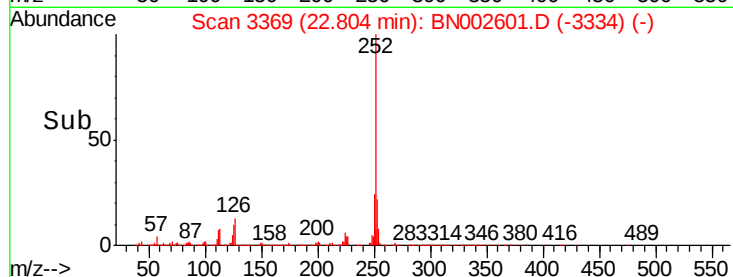
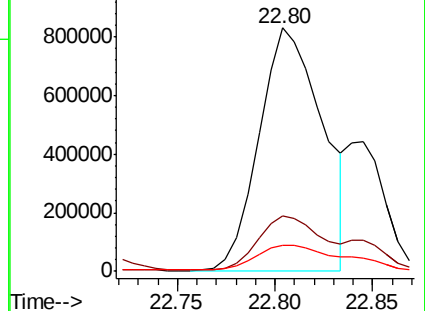
125 10.7 8.5 12.7



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: 40.509 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

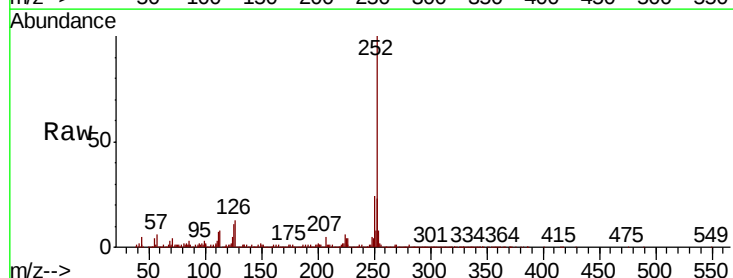
Tgt Ion:252 Resp: 1855202

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

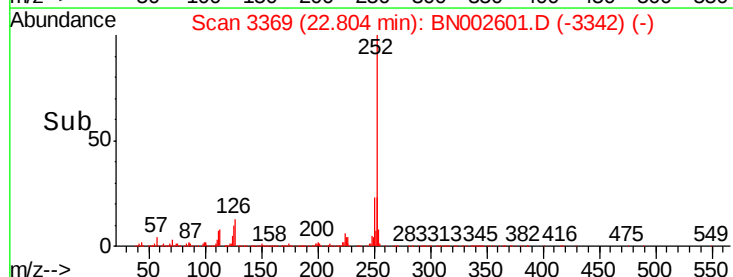
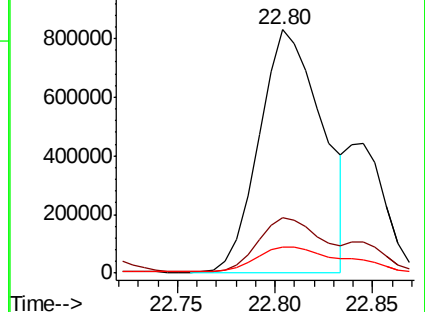
125 10.7 8.2 12.2

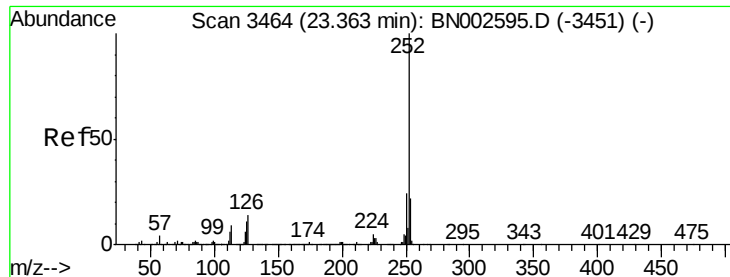


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 24.550 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampled :

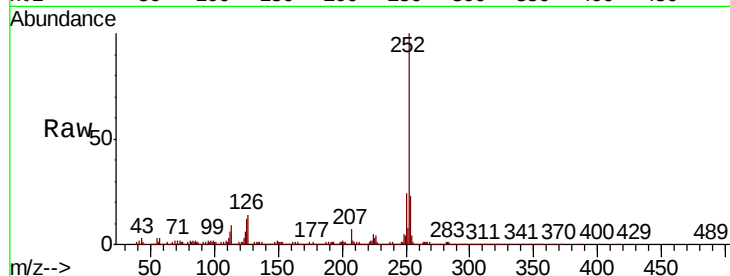
Tot Ion:252 Resp: 1136865

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

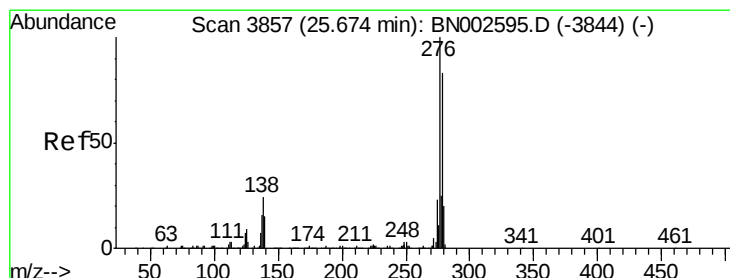
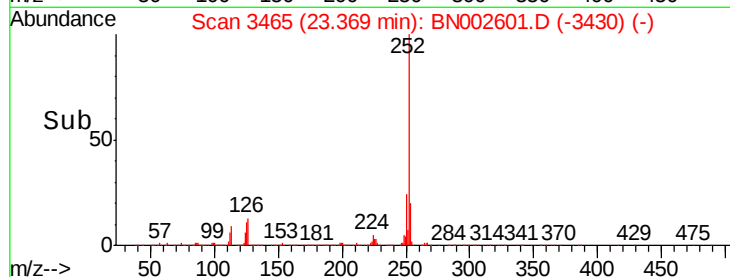
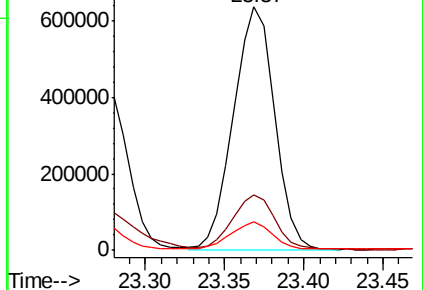
125 11.7 9.0 13.6



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: 13.553 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

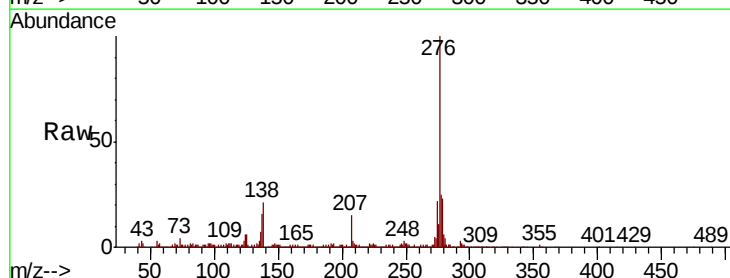
Tgt Ion:276 Resp: 746632

Ion Ratio Lower Upper

276 100

138 20.8 22.3 33.5#

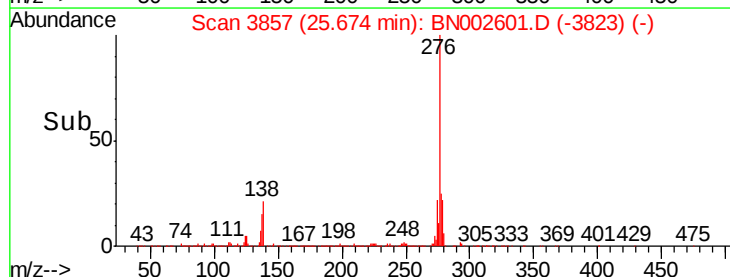
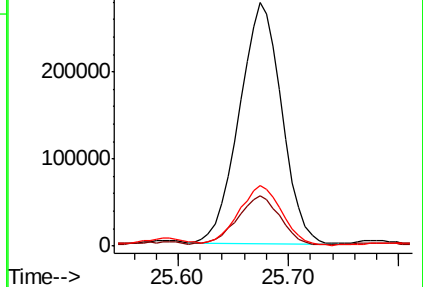
277 24.9 20.2 30.2

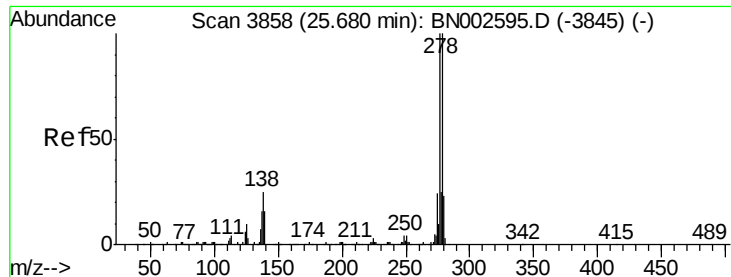


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 4.261 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. -0.01 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

Instrument :

BNA_N

ClientSampleId :

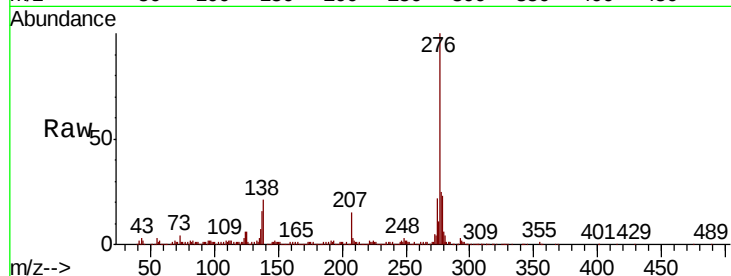
Tot Ion:278 Resp: 196256

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

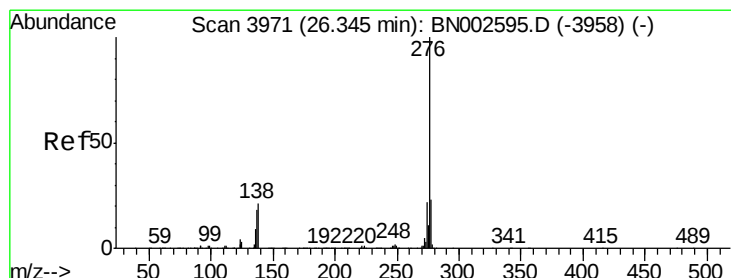
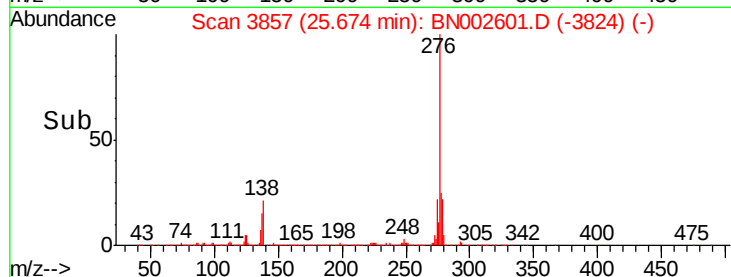
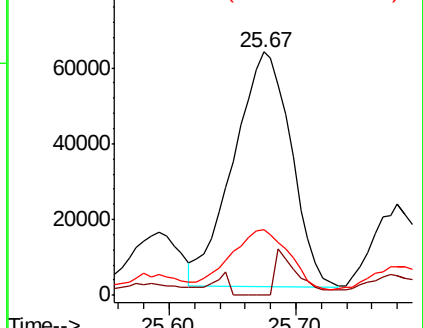
279 27.1 19.0 28.4



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: 15.418 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BN002601.D

Acq: 06 Sep 2018 03:38

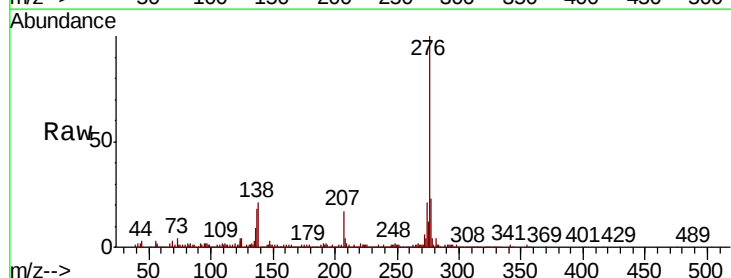
Tgt Ion:276 Resp: 708733

Ion Ratio Lower Upper

276 100

138 20.5 18.9 28.3

277 23.5 19.2 28.8



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

