

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\
 Data File : BN002691.D
 Acq On : 14 Sep 2018 16:26
 Operator : JU/SJ
 Sample : J4865-24
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DB3M9

Quant Time: Sep 15 01:10:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 14 15:14:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	124513	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	525324	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	276763	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	554611	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	520053	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	533681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	9203	3.41	ng/uL	0.00
5) Phenol-d5	6.84	99	202904	19.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	127517	19.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	166821	19.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	152213	18.59	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	80454	19.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	88935	19.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	155085	18.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	215236	22.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	715955	33.05	ng/ul	0.00
46) Acenaphthylene-d8	13.98	160	679800	24.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	129533	36.16	ng/ul	0.00
57) Fluorene-d10	15.29	176	591795	31.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	108941	31.40	ng/ul	0.00
70) Anthracene-d10	17.13	188	1017836	38.44	ng/ul	0.00
78) Pyrene-d10	19.44	212	1077716	39.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	1139629	40.57	ng/ul	0.01

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.25	88	31225	10.348	ng/uL 94
4) Benzaldehyde	6.80	77	114274	19.768	ng/ul 95
6) Phenol	6.86	94	333654	31.293	ng/ul 98
8) Bis(2-Chloroethyl)ether	7.09	93	176095	21.473	ng/ul 98
17) Hexachloroethane	8.71	117	87178	25.108	ng/ul 99
20) Nitrobenzene	8.84	77	111624	11.802	ng/ul 97
23) 2-Nitrophenol	9.55	139	111434	23.371	ng/ul 98
28) Naphthalene	10.47	128	659746	24.367	ng/ul 99
34) 2-Methylnaphthalene	12.09	142	636752	33.646	ng/ul 100
36) 1,2,4,5-Tetrachlorobenzene	12.46	216	113989	12.398	ng/ul 99
39) 2,4,5-Trichlorophenol	12.79	196	291766	47.496	ng/ul 98
40) 1,1'-Biphenyl	13.11	154	613240	26.902	ng/ul 100
41) 2-Chloronaphthalene	13.15	162	465552	26.030	ng/ul 98
44) Dimethylphthalate	13.75	163	122661	5.801	ng/ul 99
47) Acenaphthylene	14.00	152	707437	26.619	ng/ul 100
49) Acenaphthene	14.35	153	456391	24.244	ng/ul 97
52) 4-Nitrophenol	14.53	109	73410	29.452	ng/ul 98
53) Dibenzofuran	14.69	168	356032	13.754	ng/ul 100
54) 2,4-Dinitrotoluene	14.67	165	170695	28.325	ng/ul 94
56) Diethylphthalate	15.12	149	464756	22.436	ng/ul 99
58) Fluorene	15.34	166	720442	34.747	ng/ul 99
66) Hexachlorobenzene	16.35	284	118952	17.908	ng/ul 94
69) Phenanthrene	17.08	178	1066145	34.890	ng/ul 99

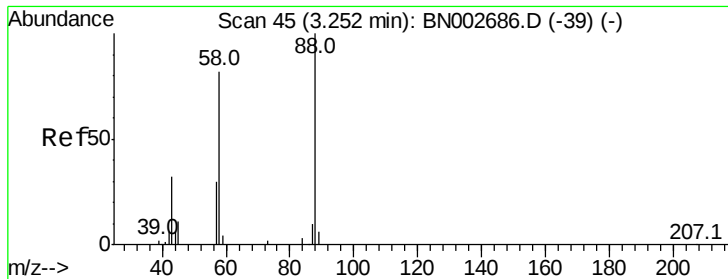
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.17	178	1806604	58.310	ng/ul	99
76) Fluoranthene	19.10	202	1165330	35.749	ng/ul	99
79) Pyrene	19.47	202	1031151	29.988	ng/ul	98
82) Benzo(a)anthracene	21.22	228	877685	27.129	ng/ul	99
84) Chrysene	21.27	228	714395	23.559	ng/ul	99
86) Di-n-octyl phthalate	22.03	149	882492	25.017	ng/ul	97
87) Benzo(b)fluoranthene	22.80	252	1506718	46.228	ng/ul	98
88) Benzo(k)fluoranthene	22.84	252	735056	24.174	ng/ul	100
90) Benzo(a)pyrene	23.36	252	813176	26.391	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.67	276	933865	25.600	ng/ul	97
92) Dibenzo(a,h)anthracene	25.67	278	535780	17.431	ng/ul	97
93) Benzo(a,h,i)perylene	26.35	276	1247324	40.904	ng/ul	98

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



#2

1,4-Dioxane

Concen: 10.348 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampled :

DB3M9

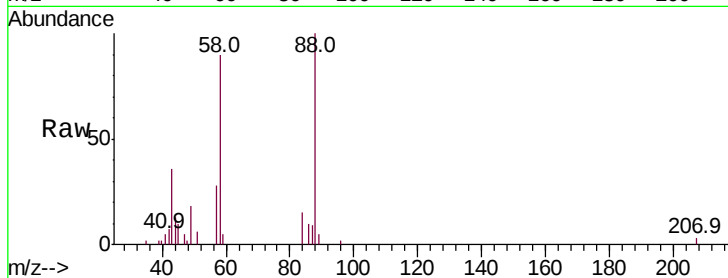
Tot Ion: 88 Resp: 31225

Ion Ratio Lower Upper

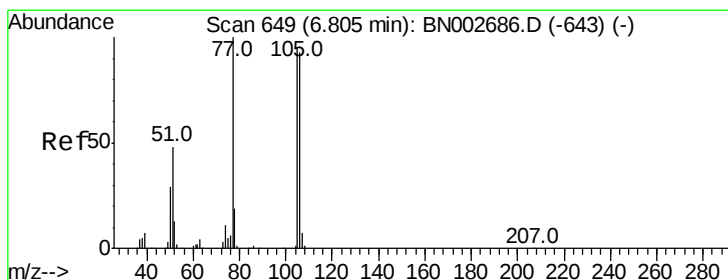
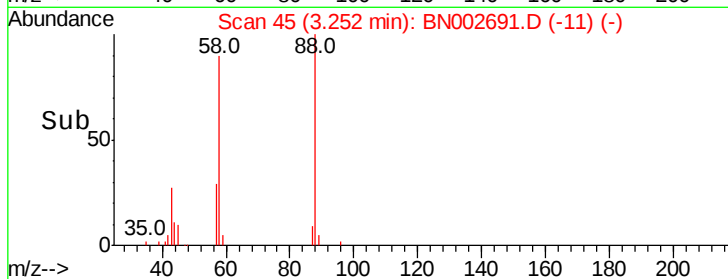
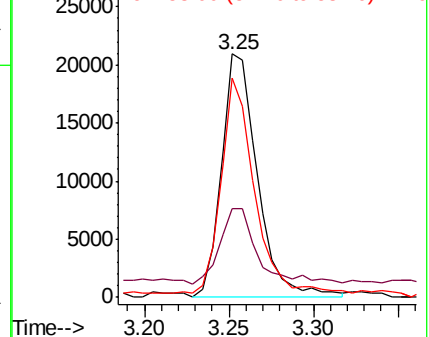
88 100

43 29.9 25.7 38.5

58 78.1 67.4 101.0



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 43.00 (42.70 to 43.70): BN0
Ion 58.00 (57.70 to 58.70): BN0



#4

Benzaldehyde

Concen: 19.768 ng/uL

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

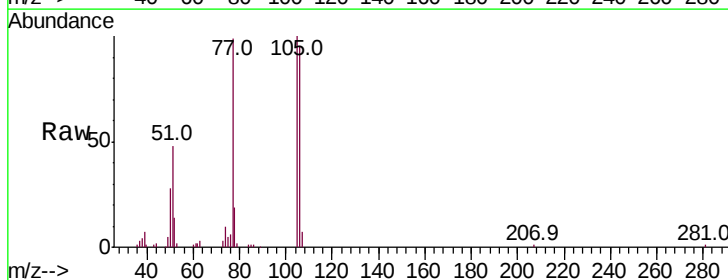
Tgt Ion: 77 Resp: 114274

Ion Ratio Lower Upper

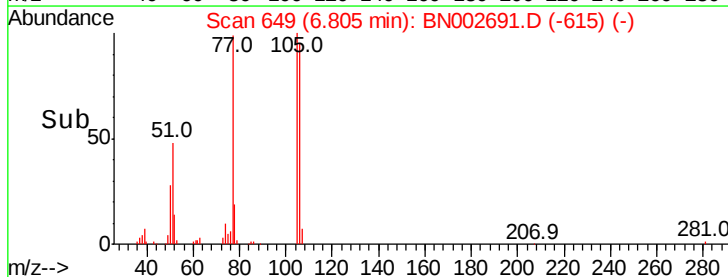
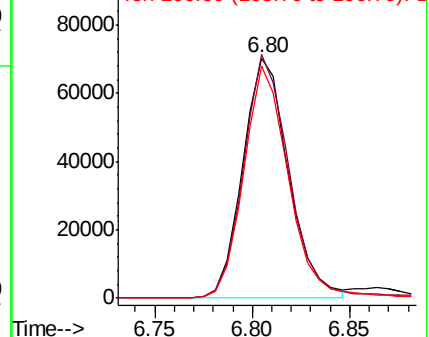
77 100

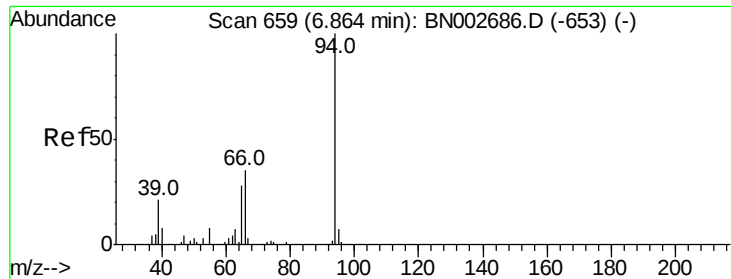
105 101.4 76.2 114.4

106 96.8 74.2 111.2



Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#6

Phenol

Concen: 31.293 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

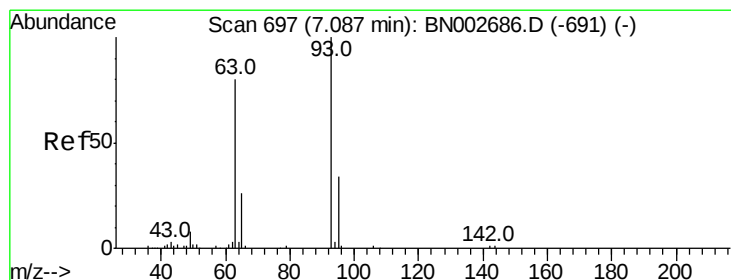
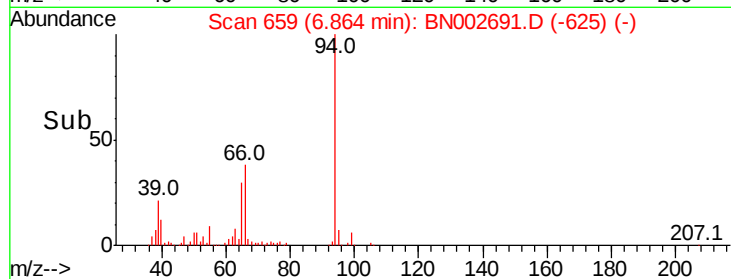
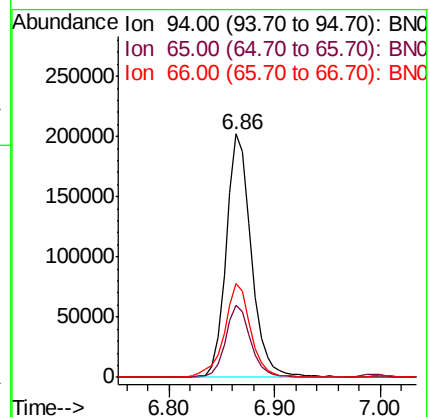
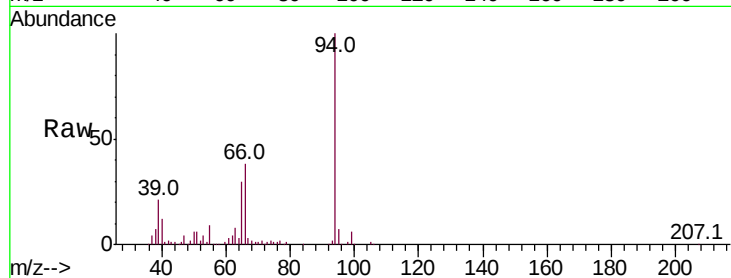
Tot Ion: 94 Resp: 333654

Ion Ratio Lower Upper

94 100

65 29.6 23.1 34.7

66 38.5 29.8 44.6



#8

Bis(2-Chloroethyl)ether

Concen: 21.473 ng/ul

RT: 7.09 min Scan# 697

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

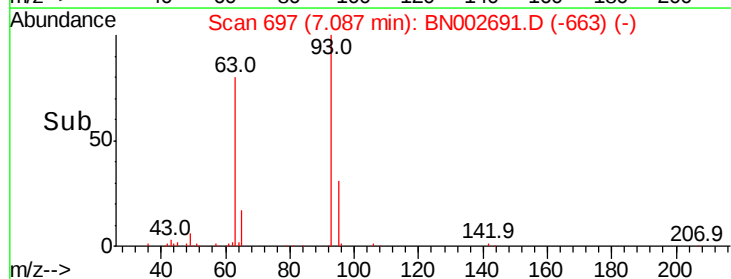
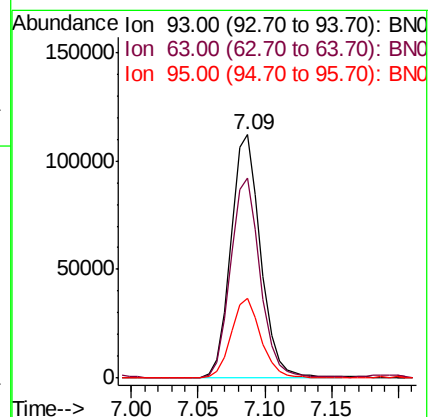
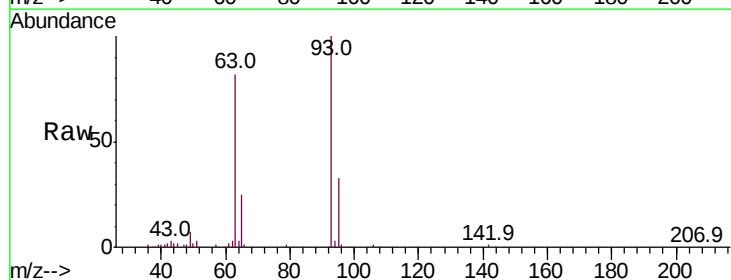
Tgt Ion: 93 Resp: 176095

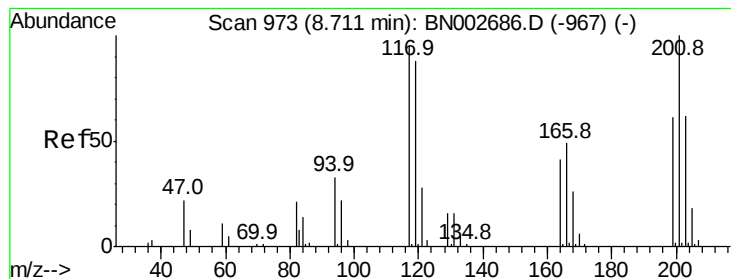
Ion Ratio Lower Upper

93 100

63 82.1 64.2 96.4

95 32.6 26.8 40.2





#17

Hexachloroethane

Concen: 25.108 ng/ul

RT: 8.71 min Scan# 973

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

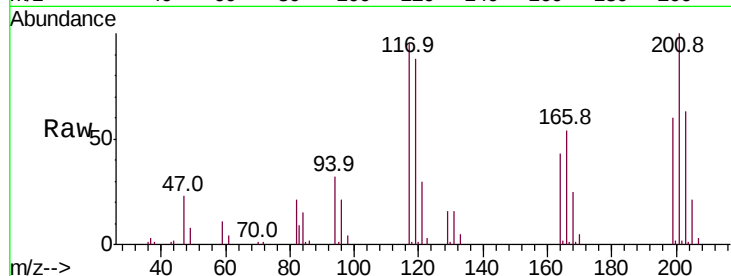
Tot Ion:117 Resp: 87178

Ion Ratio Lower Upper

117 100

201 105.3 84.5 126.7

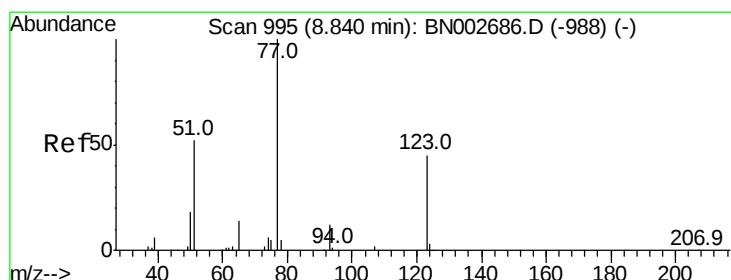
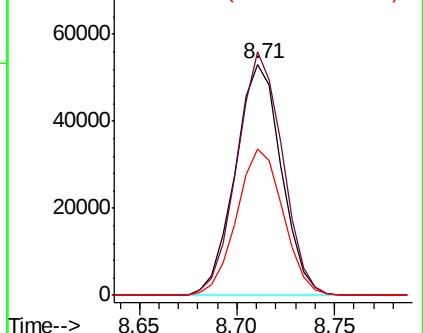
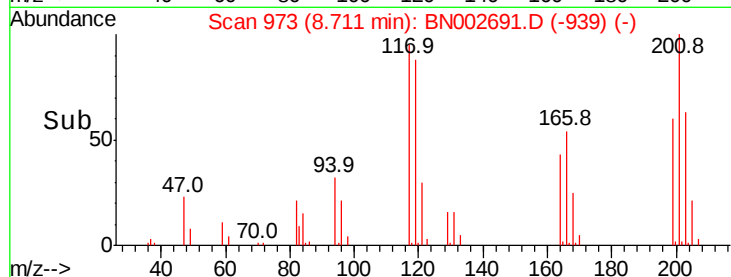
199 63.5 51.8 77.8



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 11.802 ng/ul

RT: 8.84 min Scan# 995

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

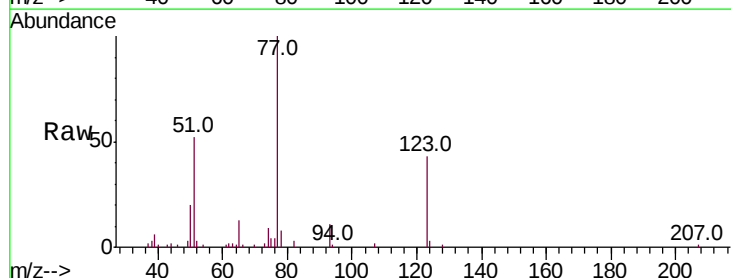
Tgt Ion: 77 Resp: 111624

Ion Ratio Lower Upper

77 100

123 42.8 35.8 53.8

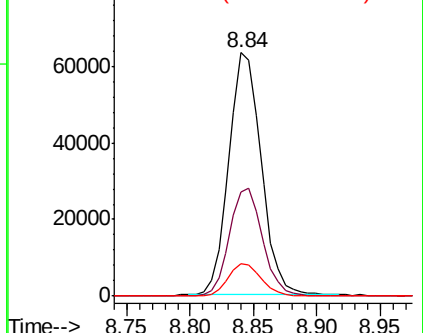
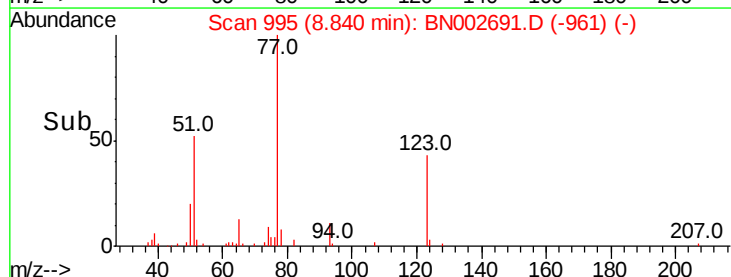
65 13.4 11.1 16.7

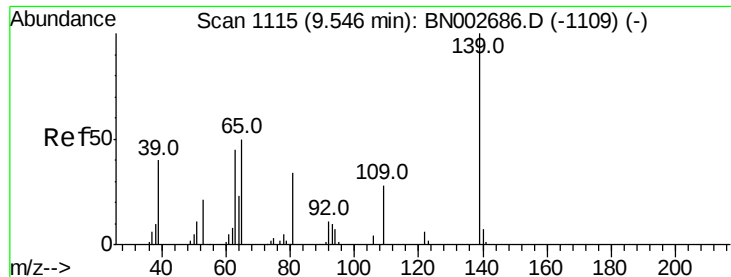


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BNC

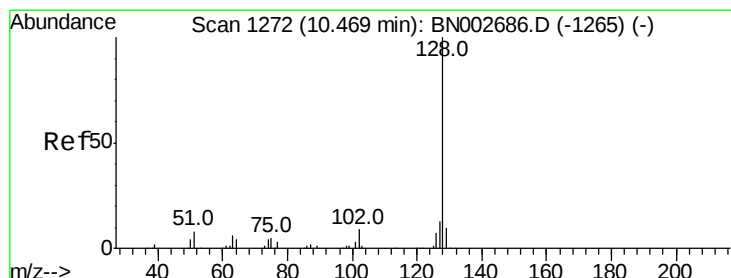
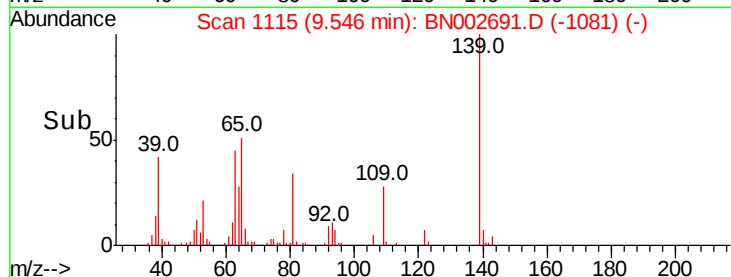
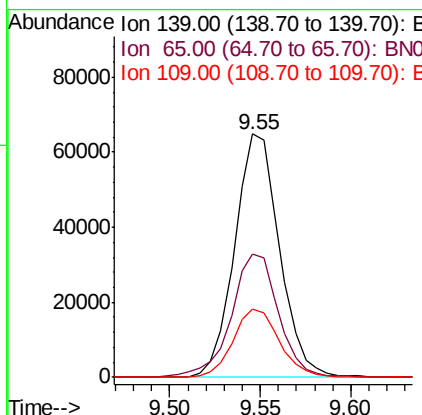
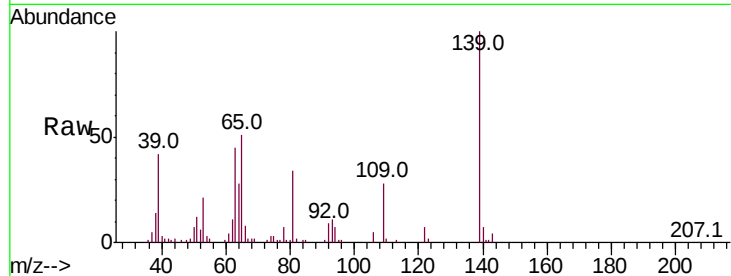




#23
2-Nitrophenol
Concen: 23.371 ng/ul
RT: 9.55 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

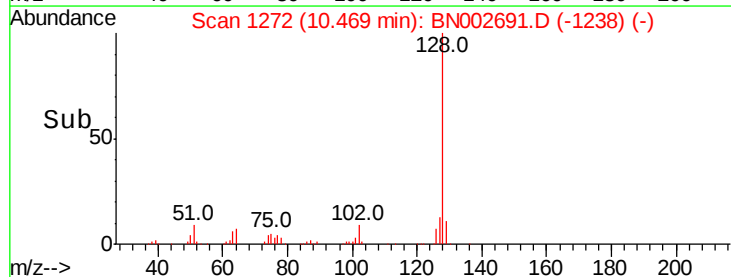
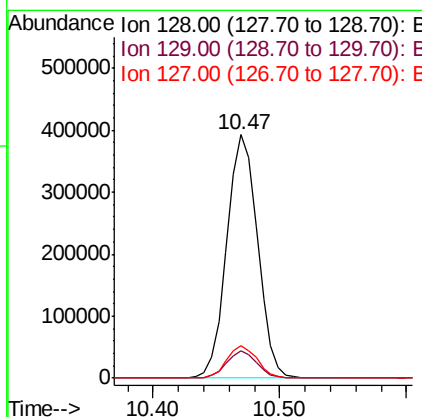
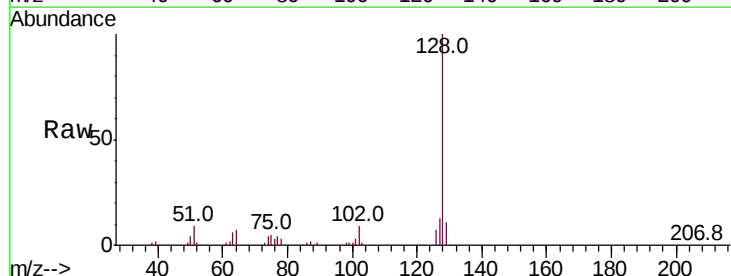
Instrument :
BNA_N
ClientSampleId :
DB3M9

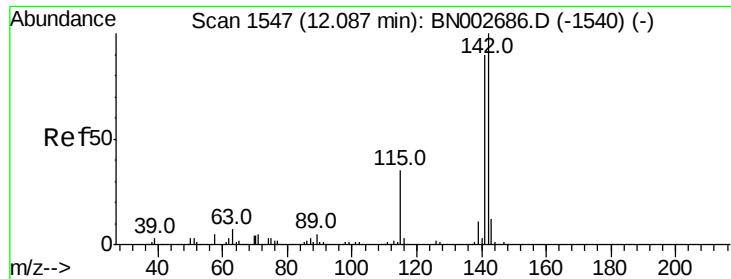
Tot Ion:139 Resp: 111434
Ion Ratio Lower Upper
139 100
65 50.9 42.0 63.0
109 28.1 22.0 33.0



#28
Naphthalene
Concen: 24.367 ng/ul
RT: 10.47 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

Tgt Ion:128 Resp: 659746
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.3 10.5 15.7





#34

2-Methylnaphthalene

Concen: 33.646 ng/ul

RT: 12.09 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

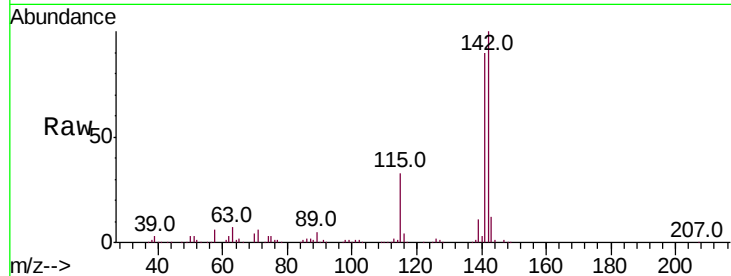
DB3M9

Tot Ion:142 Resp: 636752

Ion Ratio Lower Upper

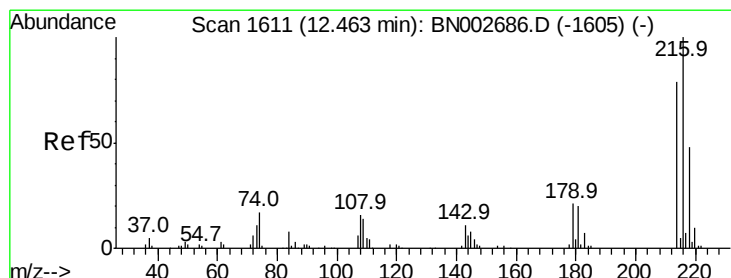
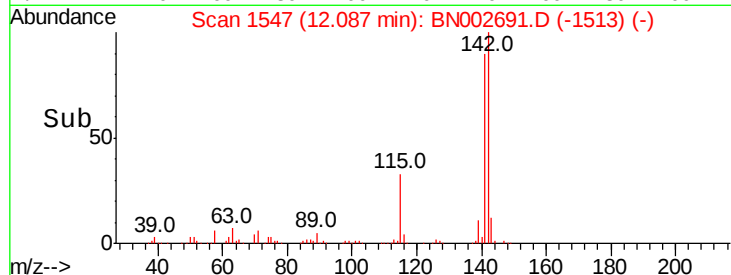
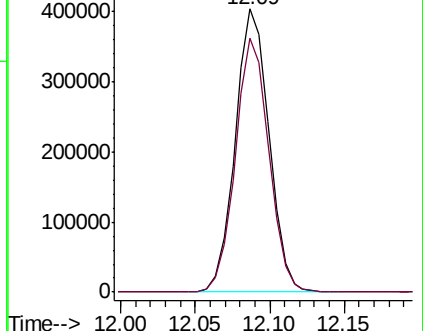
142 100

141 89.6 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 12.398 ng/ul

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Tgt Ion:216 Resp: 113989

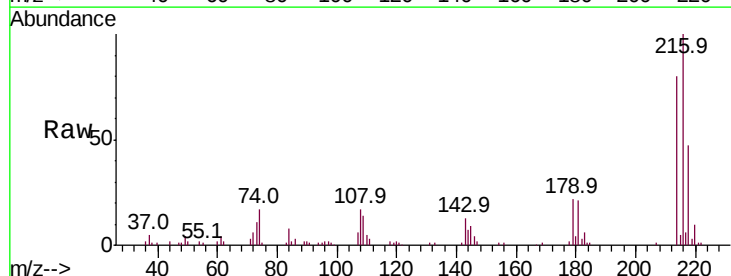
Ion Ratio Lower Upper

216 100

214 79.8 63.5 95.3

179 21.8 16.5 24.7

108 16.7 13.4 20.2

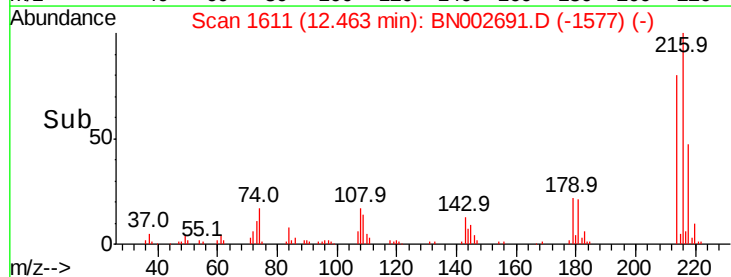
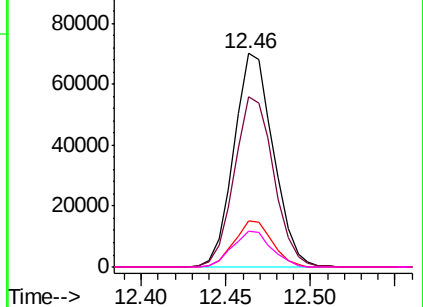


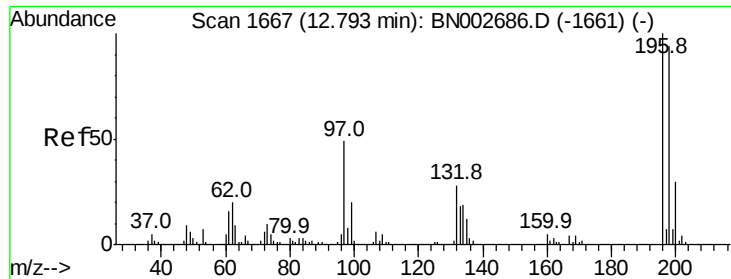
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

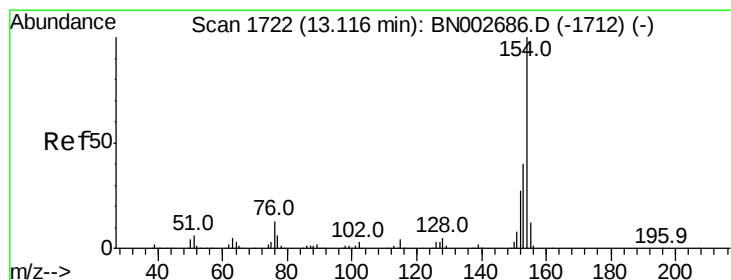
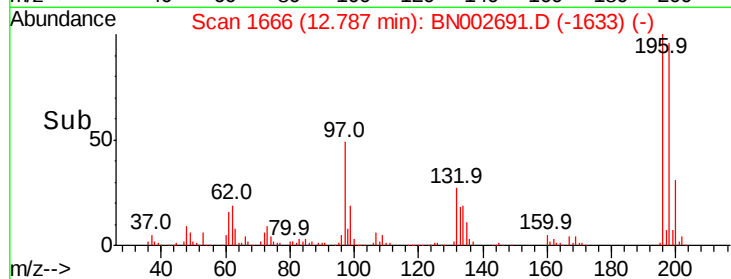
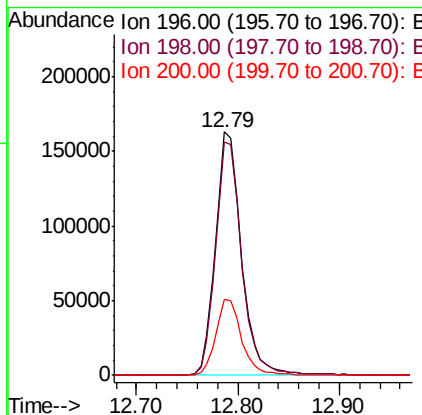
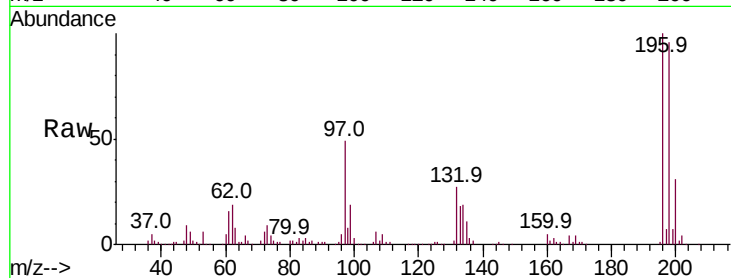




#39
 2,4,5-Trichlorophenol
 Concen: 47.496 ng/ul
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

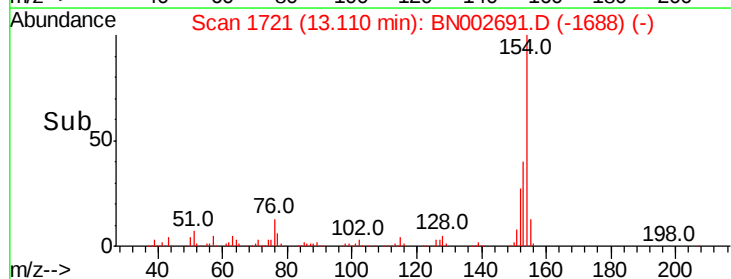
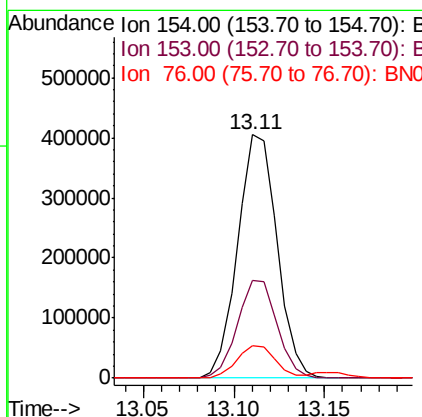
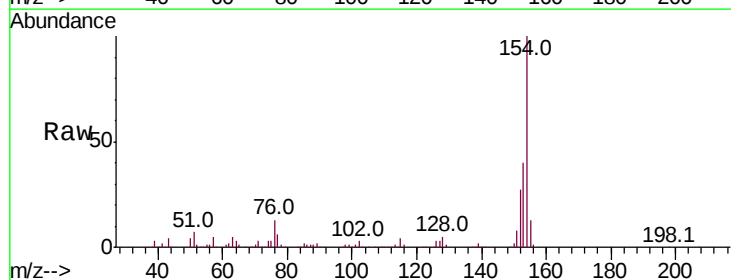
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 ClientSampleId :
 DB3M9

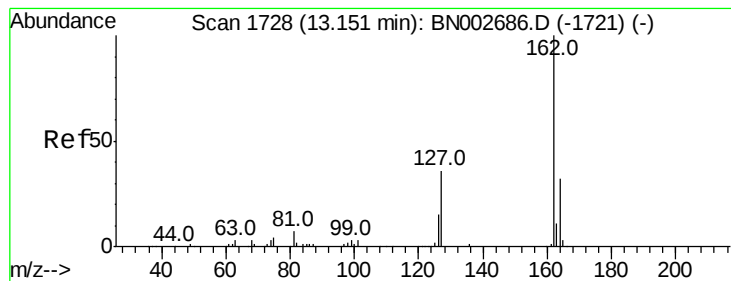
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.6	113.4
200	31.1	23.8	35.8



#40
 1,1'-Biphenyl
 Concen: 26.902 ng/ul
 RT: 13.11 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	32.1	48.1
76	13.2	10.5	15.7





#41

2-Chloronaphthalene

Concen: 26.030 ng/ul

RT: 13.15 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

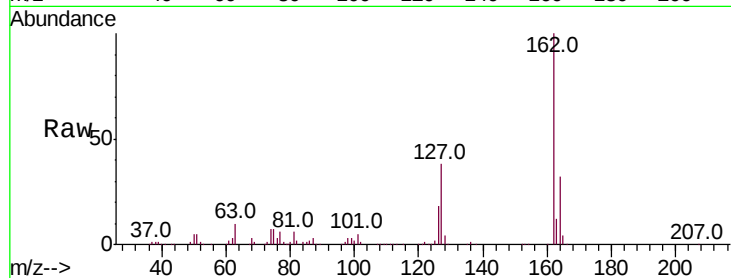
Tot Ion:162 Resp: 465552

Ion Ratio Lower Upper

162 100

164 31.7 25.9 38.9

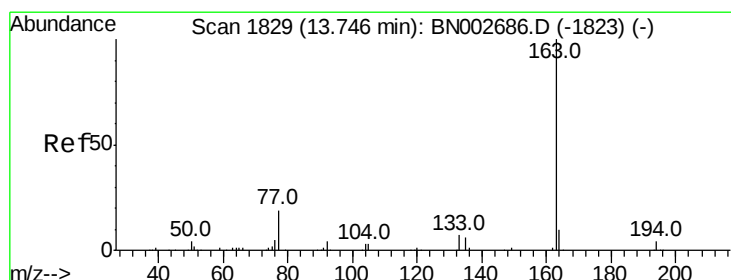
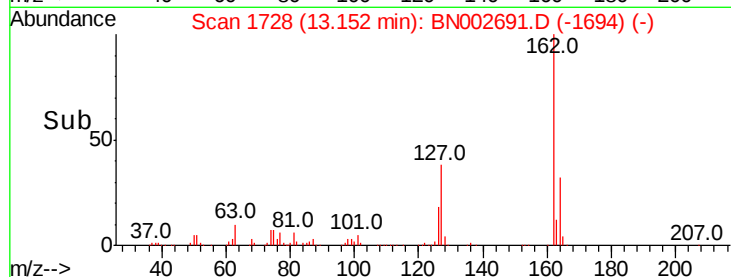
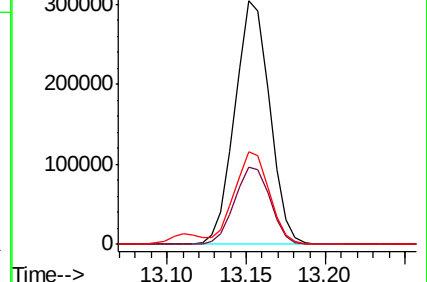
127 38.0 32.1 48.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 5.801 ng/ul

RT: 13.75 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

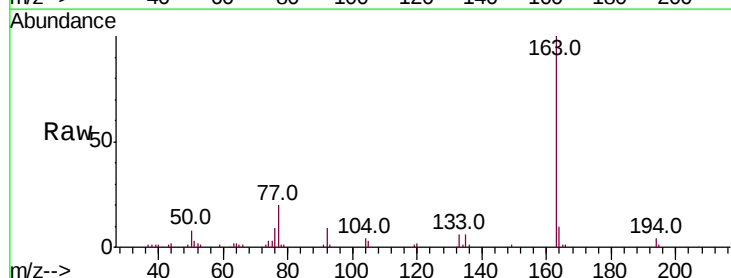
Tgt Ion:163 Resp: 122661

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

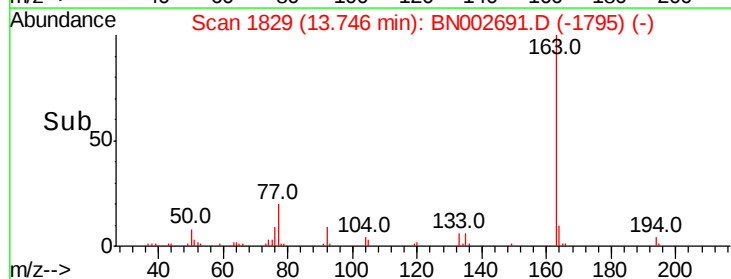
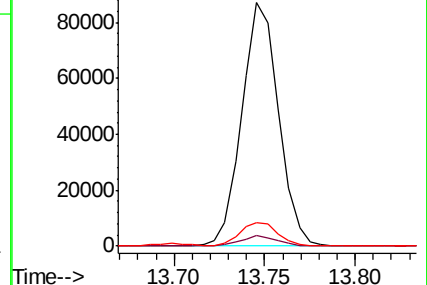
164 9.9 8.1 12.1

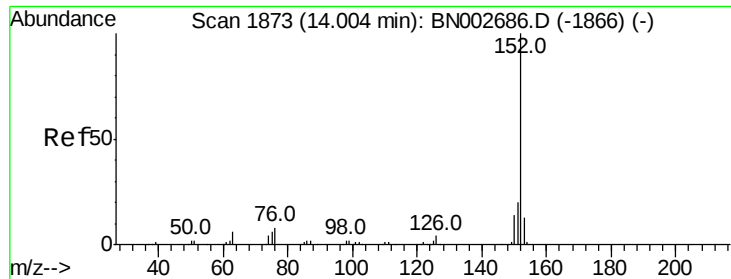


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 26.619 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

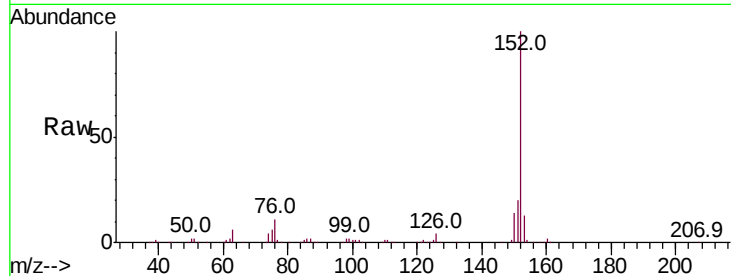
Tot Ion:152 Resp: 707437

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

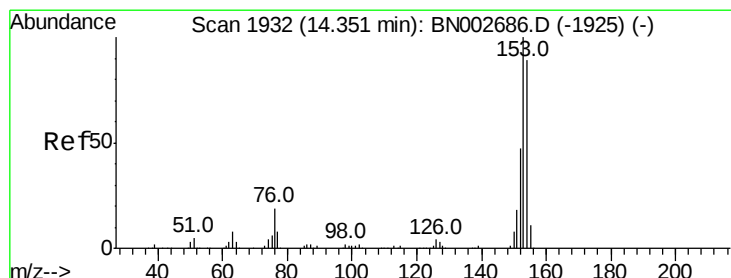
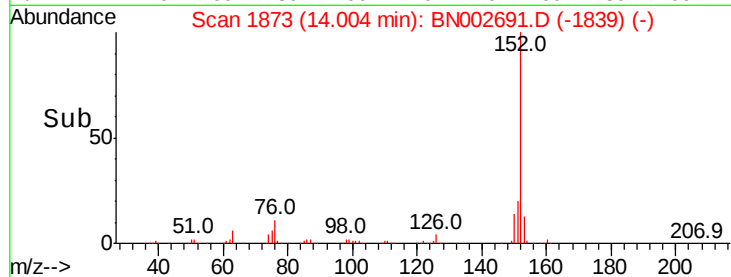
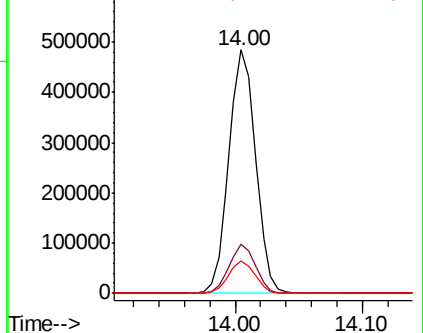
153 13.2 10.6 16.0



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: 24.244 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

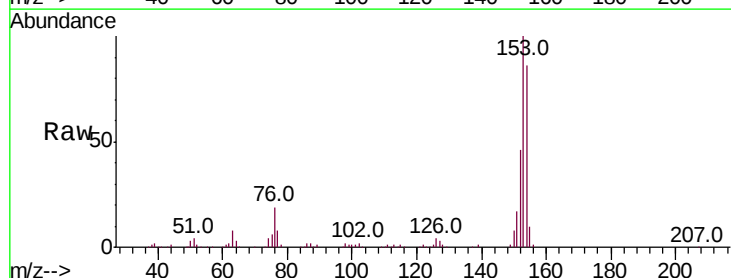
Tgt Ion:153 Resp: 456391

Ion Ratio Lower Upper

153 100

152 45.6 37.8 56.6

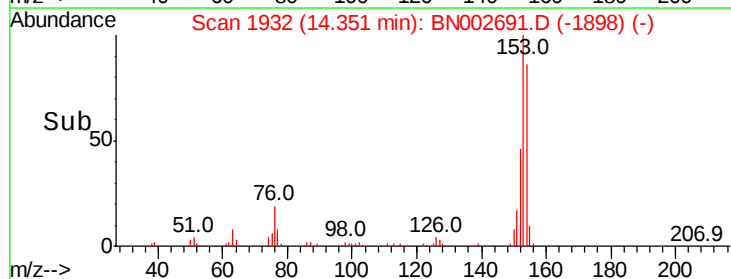
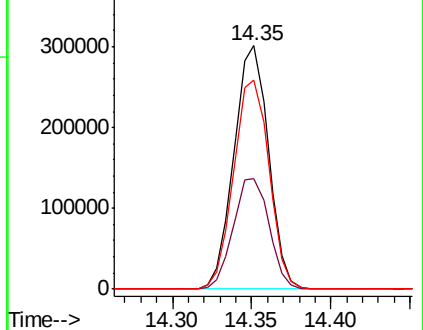
154 86.0 70.9 106.3

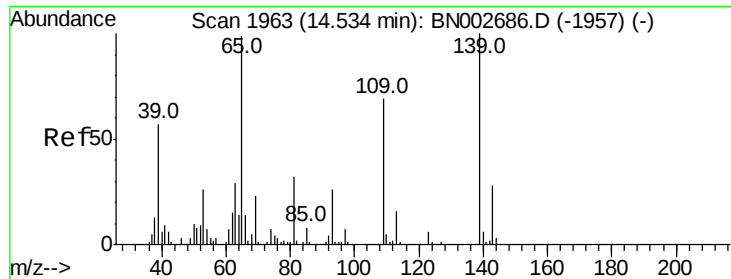


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 29.452 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

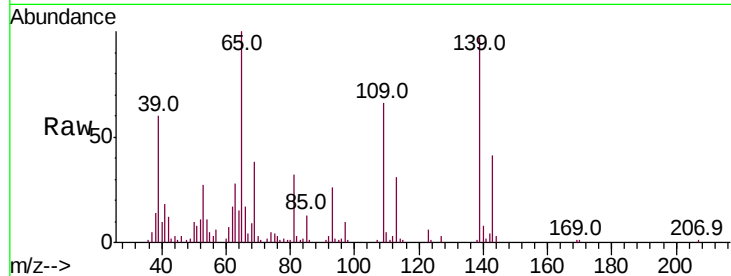
Tot Ion:109 Resp: 73410

Ion Ratio Lower Upper

109 100

139 146.8 116.5 174.7

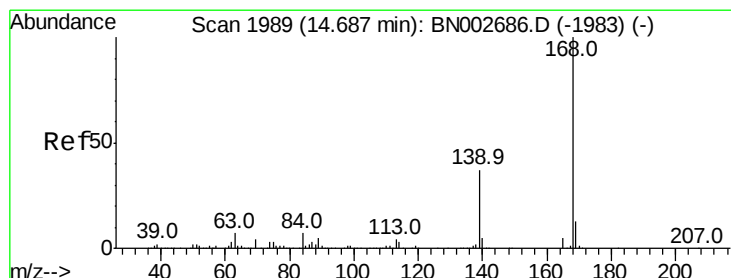
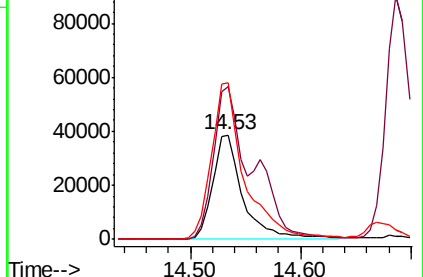
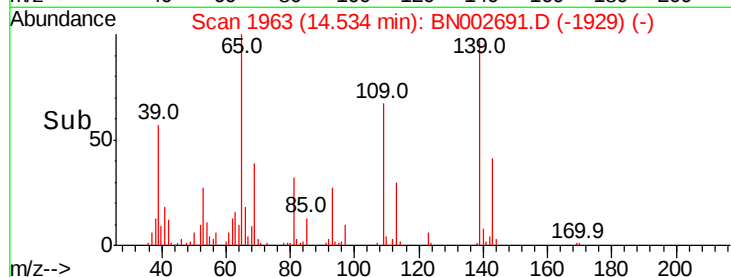
65 150.7 116.7 175.1



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO



#53

Dibenzofuran

Concen: 13.754 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BN002691.D

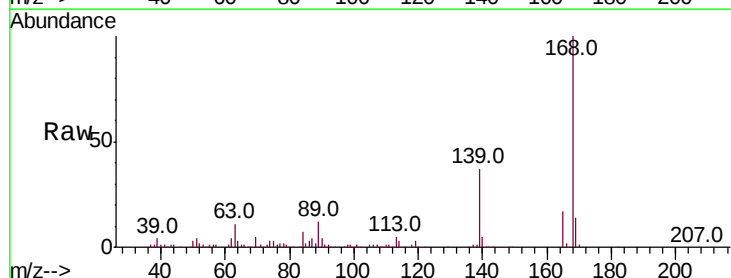
Acq: 14 Sep 2018 16:26

Tgt Ion:168 Resp: 356032

Ion Ratio Lower Upper

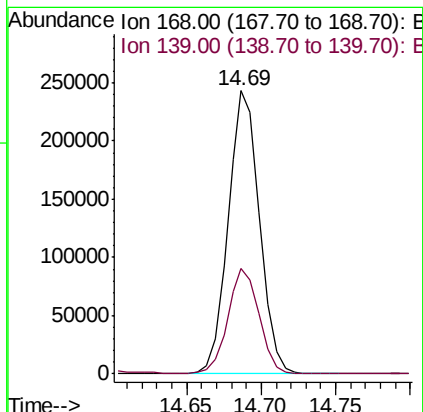
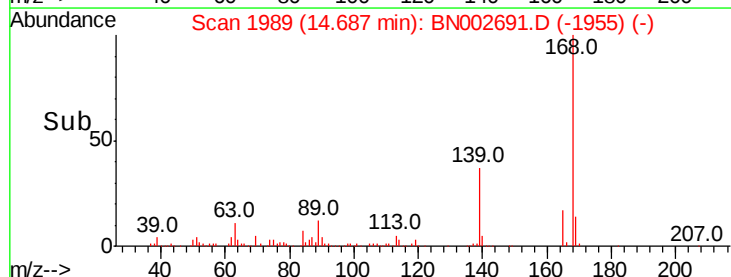
168 100

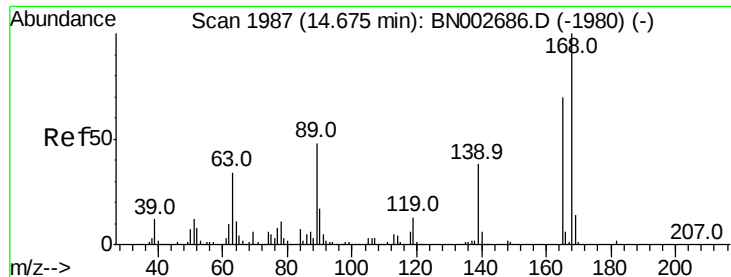
139 37.1 29.4 44.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

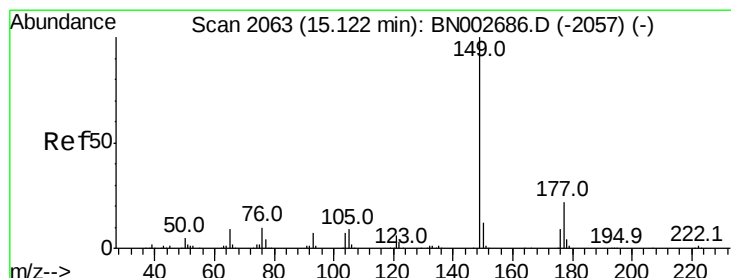
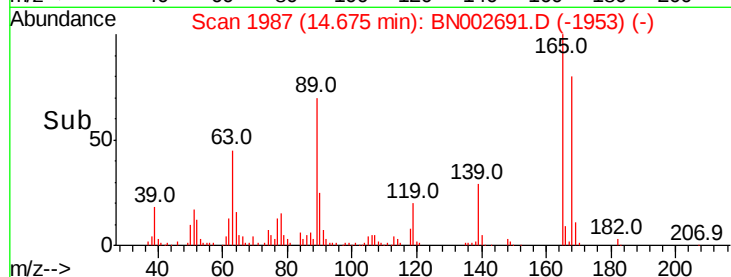
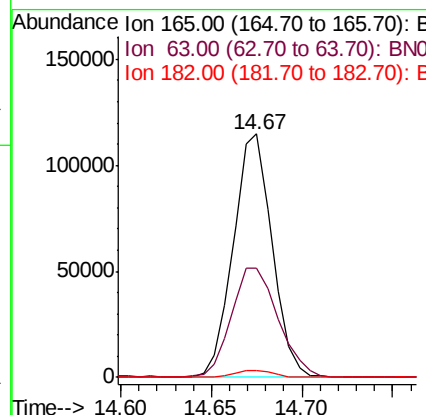
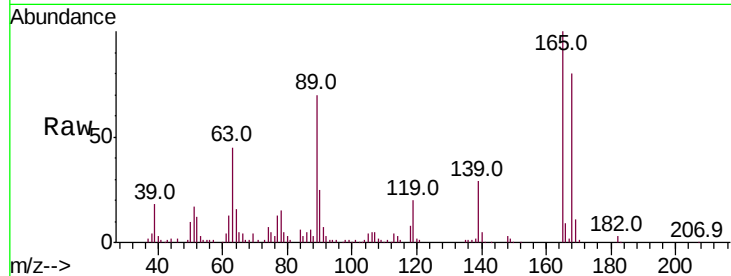




#54
 2,4-Dinitrotoluene
 Concen: 28.325 ng/ul
 RT: 14.67 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

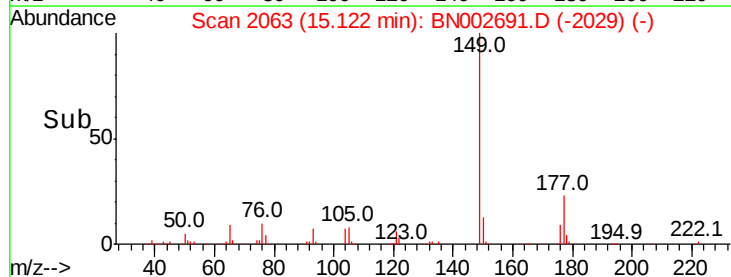
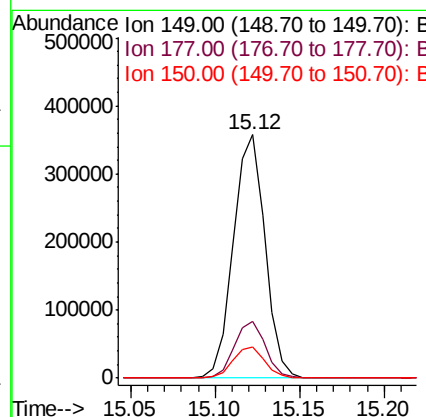
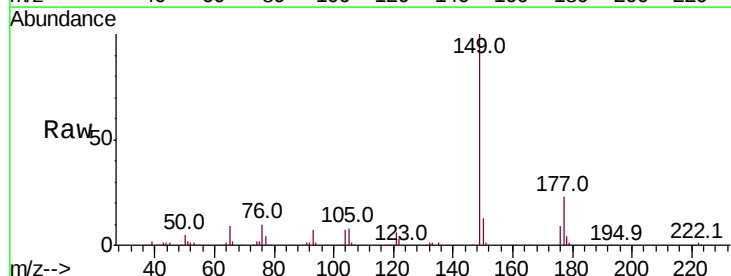
Instrument :
 BNA_N
 ClientSampled :
 DB3M9

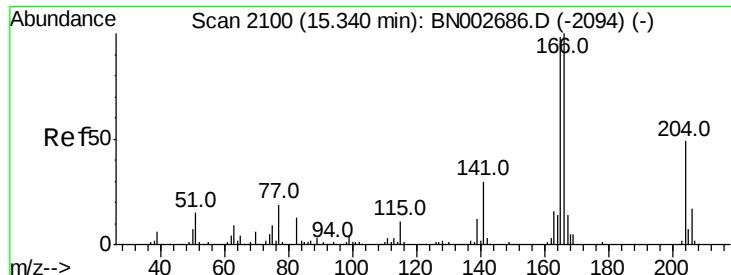
Tot Ion	Ratio	Lower	Upper
165	100		
63	44.6	39.0	58.6
182	2.9	2.4	3.6



#56
 Diethylphthalate
 Concen: 22.436 ng/ul
 RT: 15.12 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.8	26.8
150	12.5	9.8	14.8

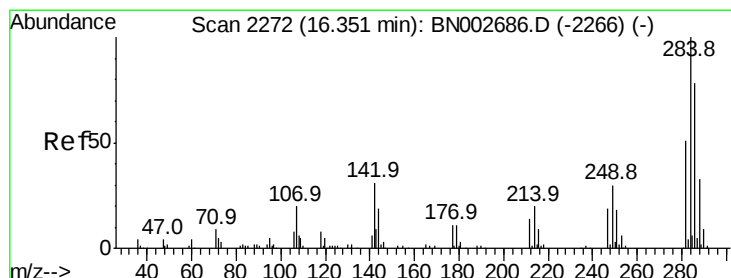
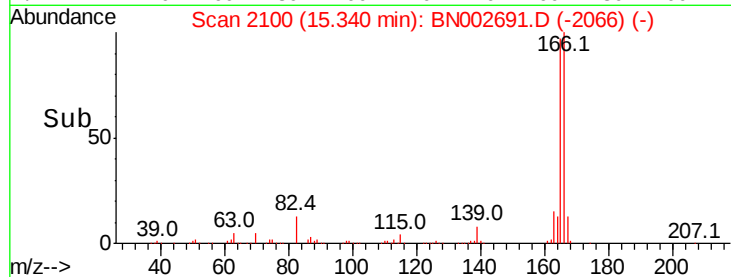
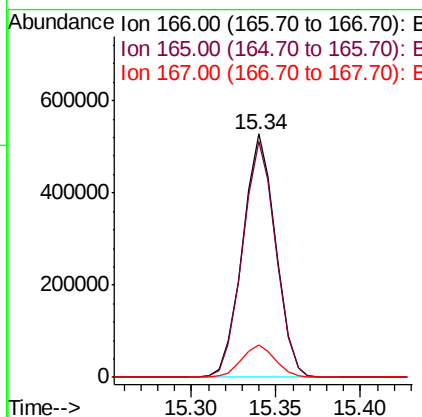
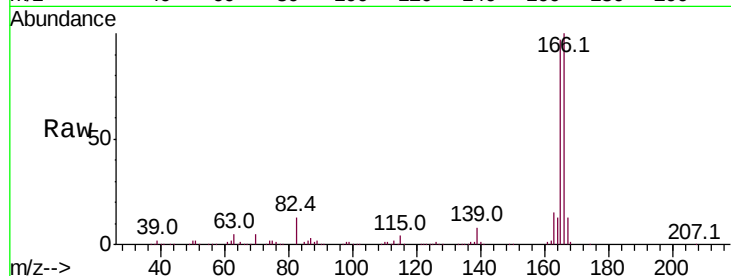




#58
 Fluorene
 Concen: 34.747 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

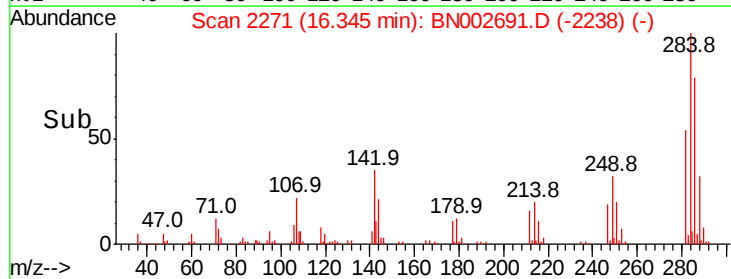
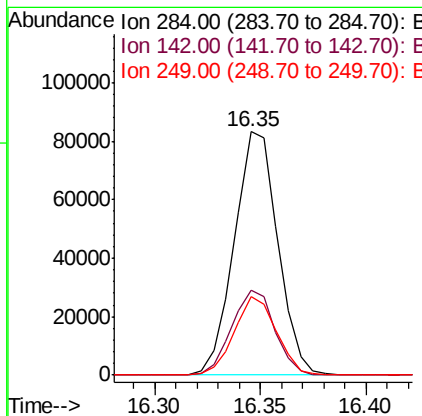
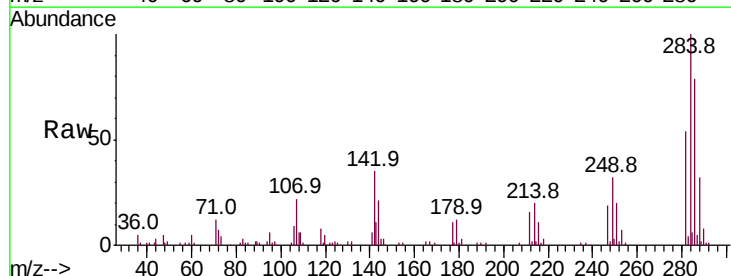
Instrument :
 BNA_N
 ClientSampleId :
 DB3M9

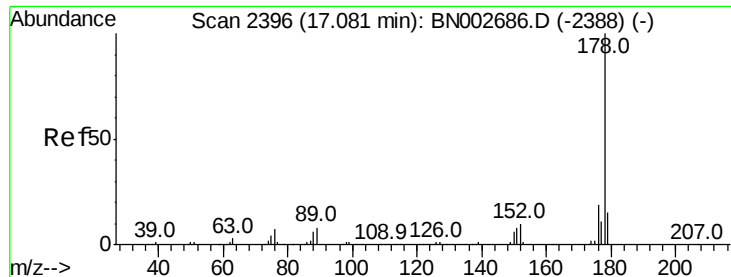
Tot Ion:166 Resp: 720442
 Ion Ratio Lower Upper
 166 100
 165 97.1 78.3 117.5
 167 13.3 11.0 16.6



#66
 Hexachlorobenzene
 Concen: 17.908 ng/ul
 RT: 16.35 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BN002691.D
 Acq: 14 Sep 2018 16:26

Tgt Ion:284 Resp: 118952
 Ion Ratio Lower Upper
 284 100
 142 35.1 24.8 37.2
 249 32.0 23.9 35.9





#69

Phenanthrene

Concen: 34.890 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

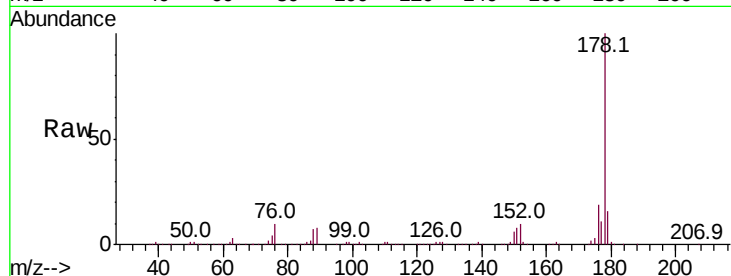
Tot Ion:178 Resp: 1066145

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

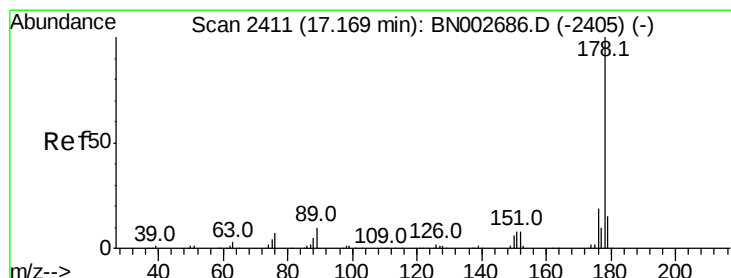
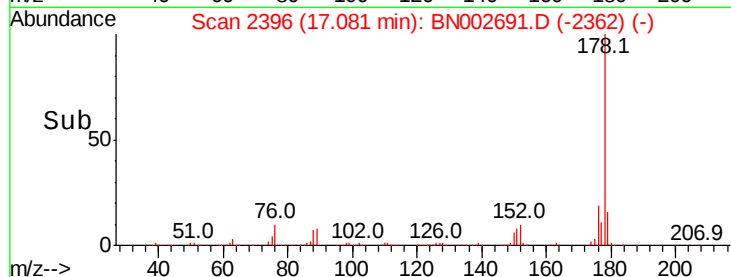
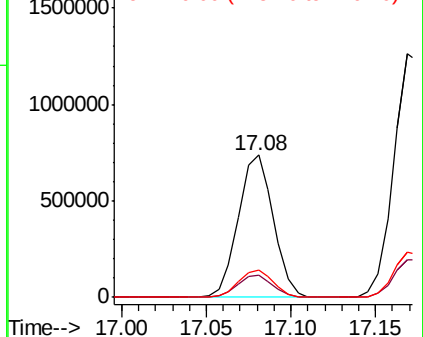
176 18.9 15.0 22.6



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: 58.310 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

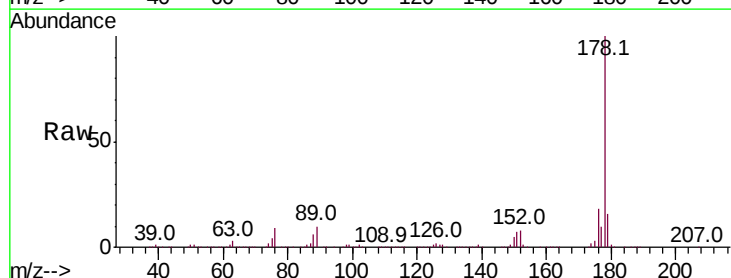
Tgt Ion:178 Resp: 1806604

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

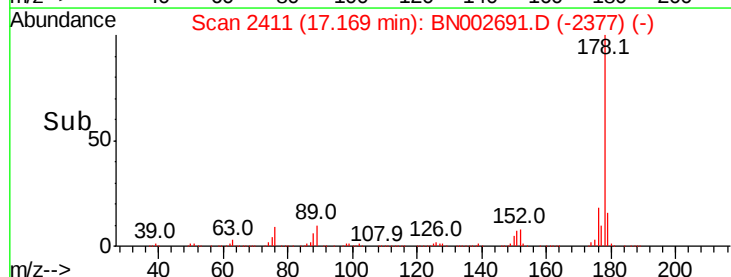
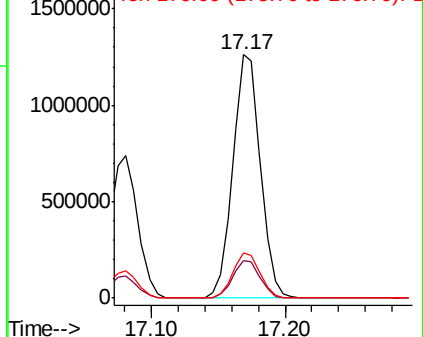
176 18.4 15.0 22.4

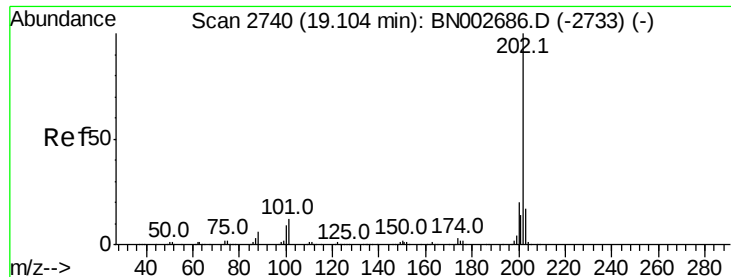


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

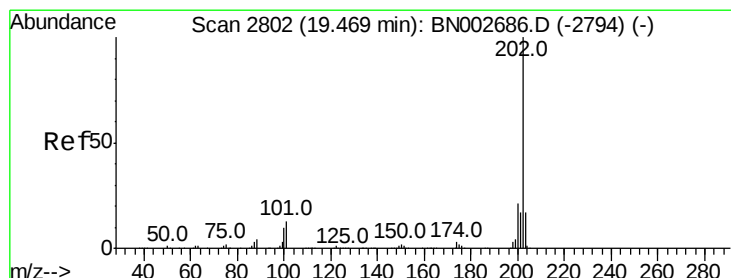
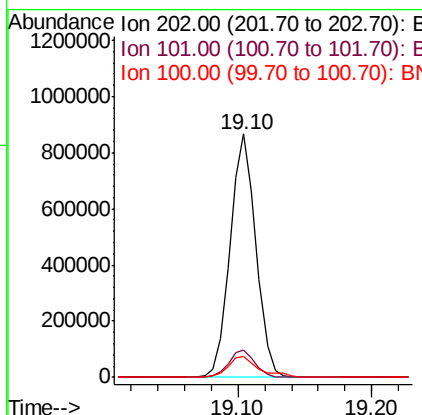
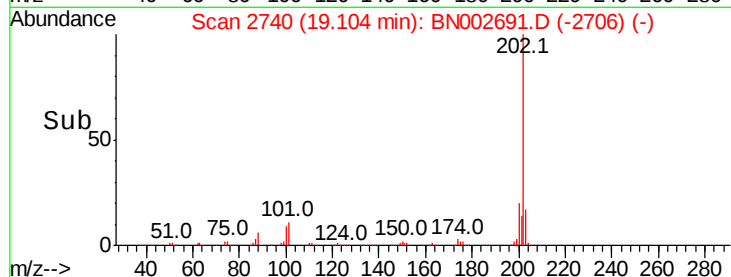
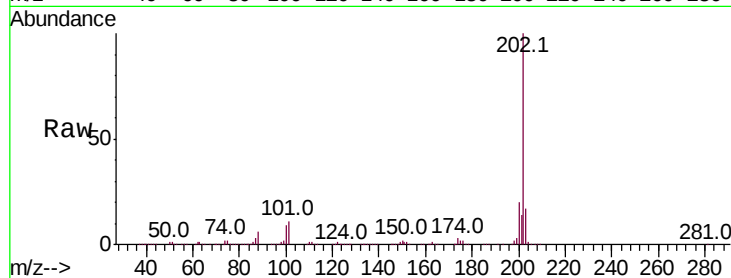




#76
Fluoranthene
Concen: 35.749 ng/ul
RT: 19.10 min Scan# 2740
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

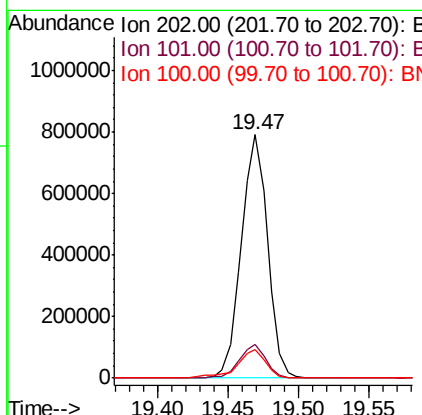
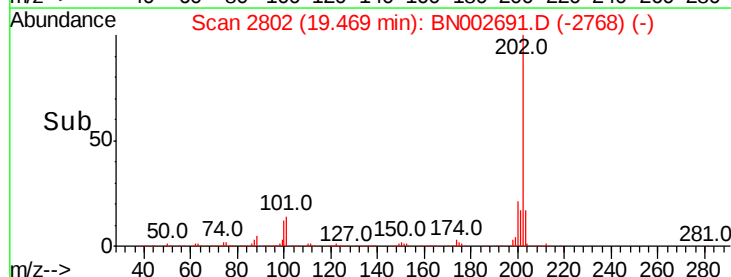
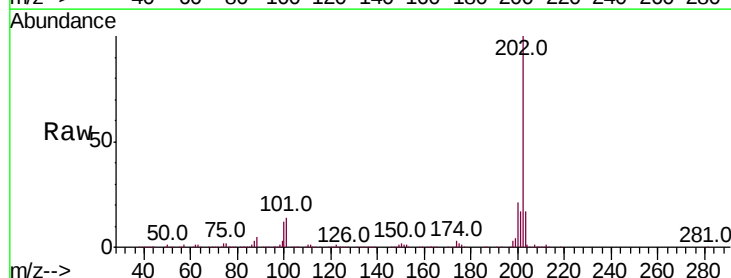
Instrument :
BNA_N
ClientSampleId :
DB3M9

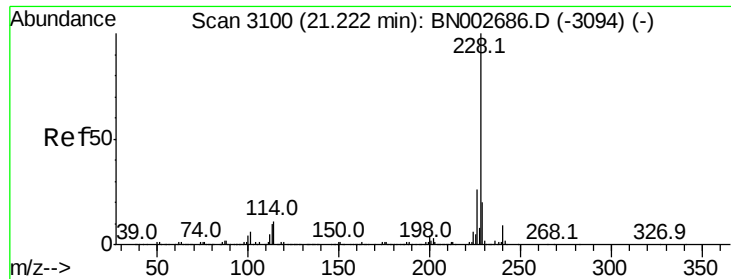
Tot Ion:202 Resp: 1165330
Ion Ratio Lower Upper
202 100
101 11.2 9.4 14.2
100 8.8 7.0 10.6



#79
Pyrene
Concen: 29.988 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

Tgt Ion:202 Resp: 1031151
Ion Ratio Lower Upper
202 100
101 13.7 10.8 16.2
100 11.7 8.2 12.2

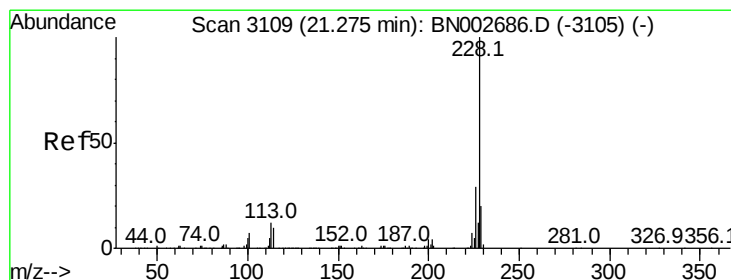
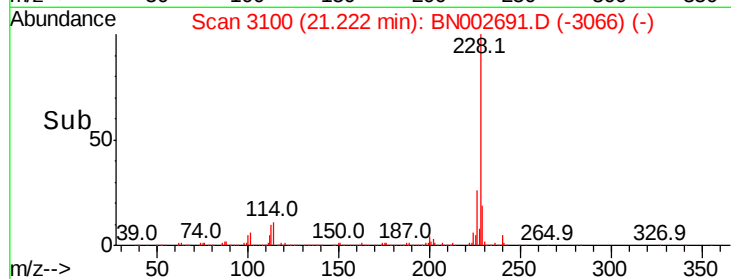
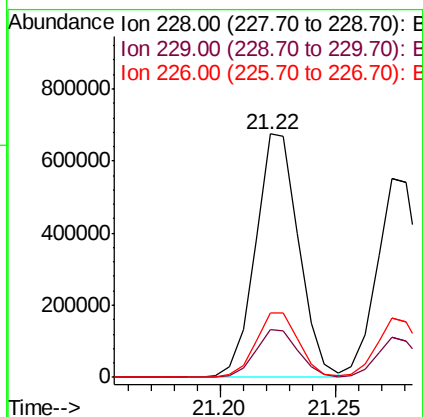
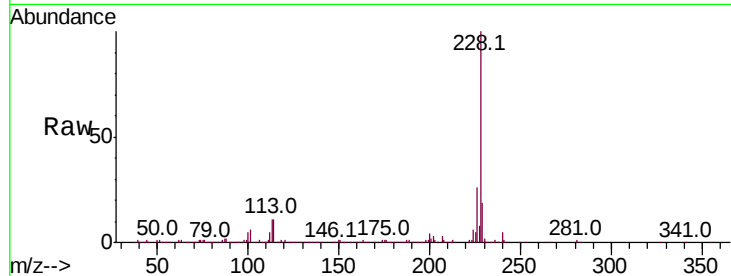




#82
Benzo(a)anthracene
Concen: 27.129 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

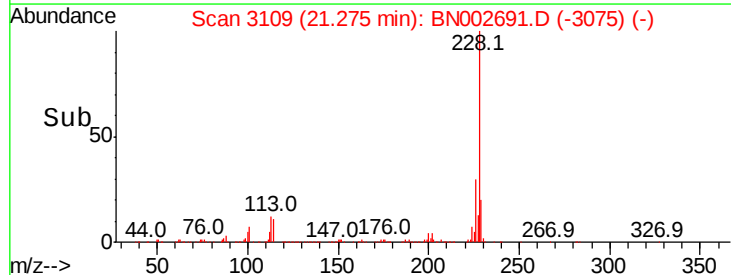
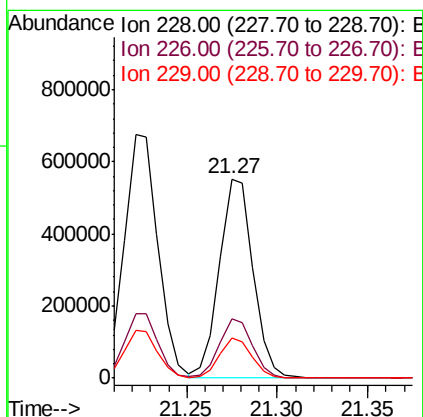
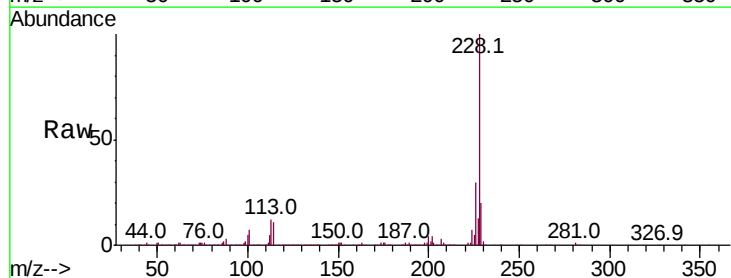
Instrument :
BNA_N
ClientSampleId :
DB3M9

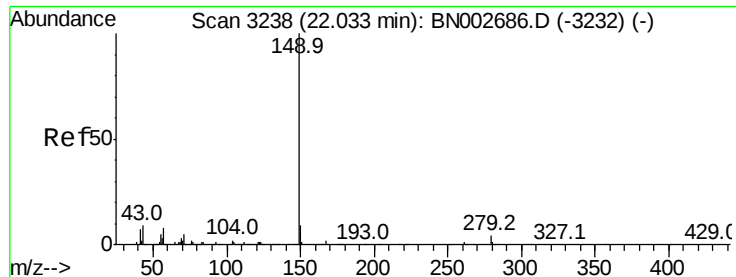
Tot Ion:228 Resp: 877685
Ion Ratio Lower Upper
228 100
229 19.4 15.8 23.6
226 26.4 20.9 31.3



#84
Chrysene
Concen: 23.559 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BN002691.D
Acq: 14 Sep 2018 16:26

Tgt Ion:228 Resp: 714395
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 19.9 15.7 23.5





#86

Di-n-octyl phthalate

Concen: 25.017 ng/ul

RT: 22.03 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

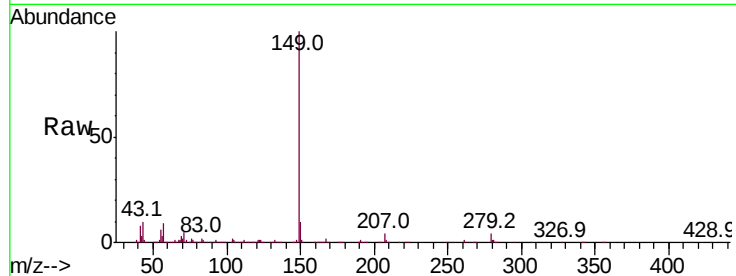
Tot Ion:149 Resp: 882492

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

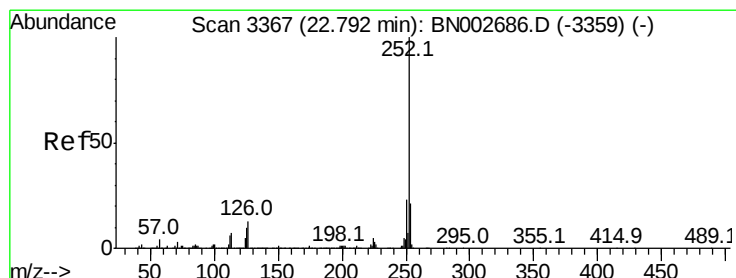
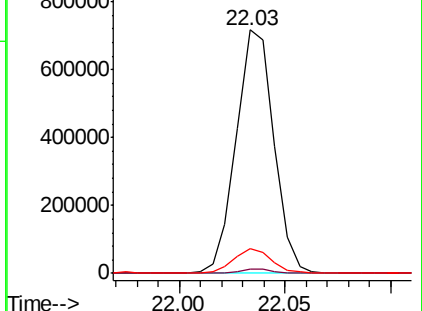
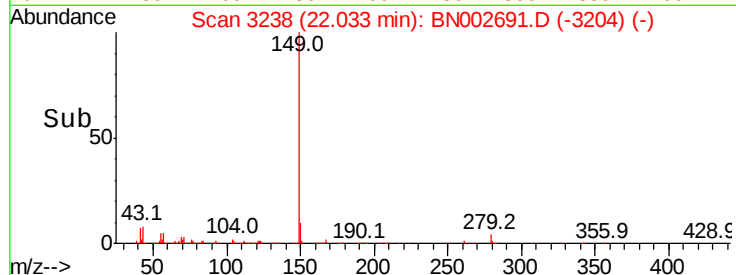
43 10.3 7.4 11.0



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: 46.228 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

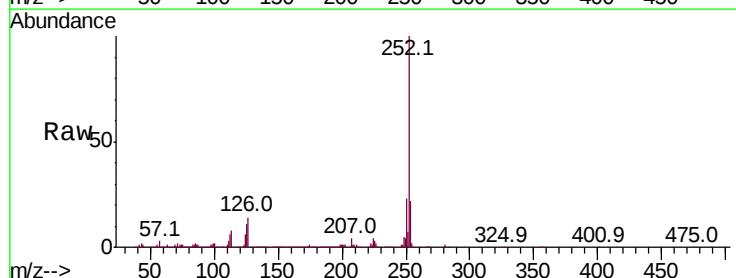
Tgt Ion:252 Resp: 1506718

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

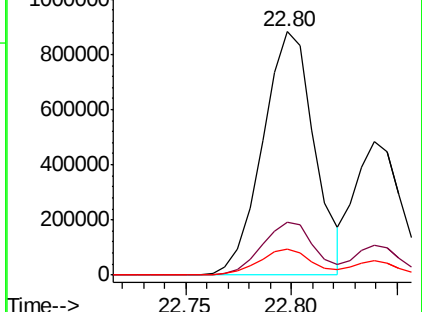
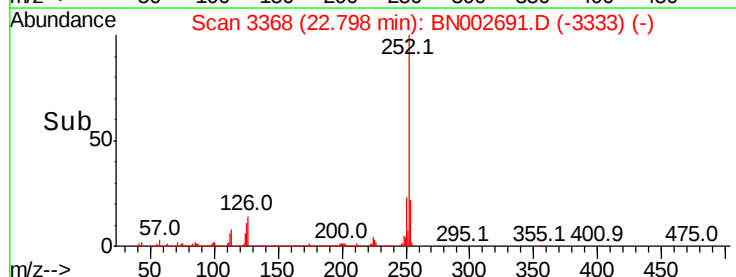
125 10.8 8.0 12.0

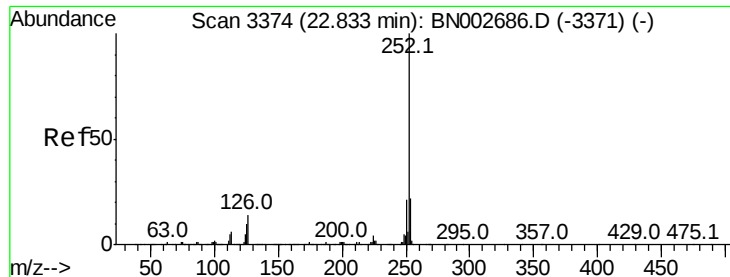


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 24.174 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

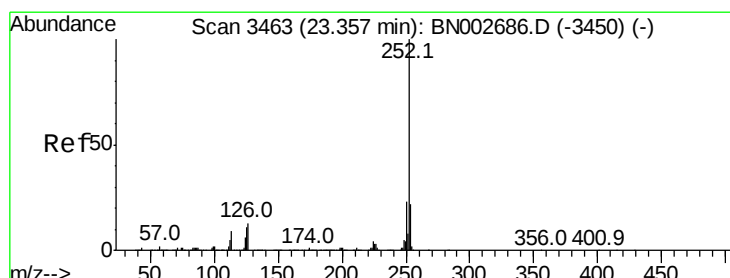
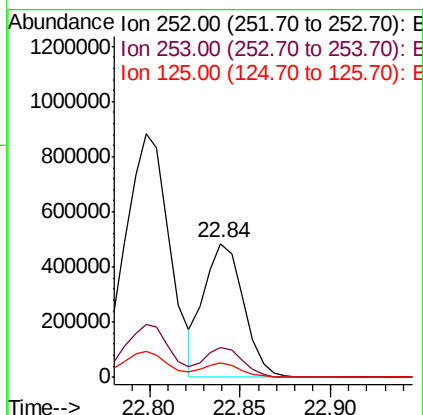
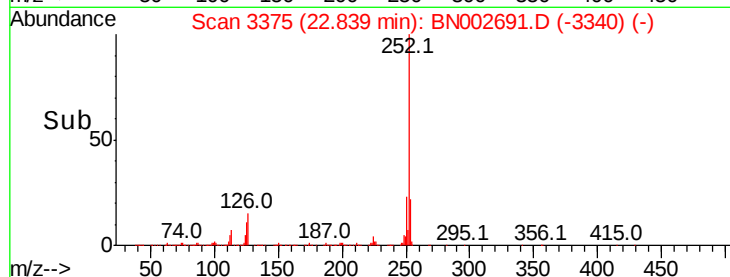
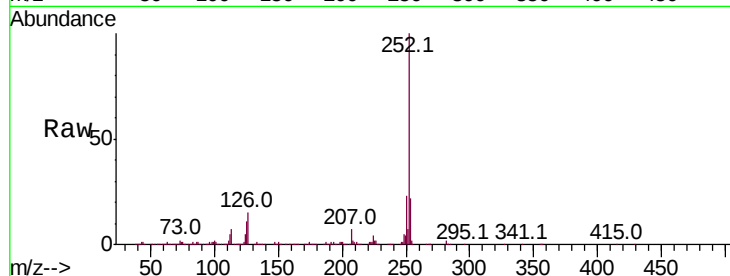
Tot Ion:252 Resp: 735056

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.8 8.3 12.5



#90

Benzo(a)pyrene

Concen: 26.391 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

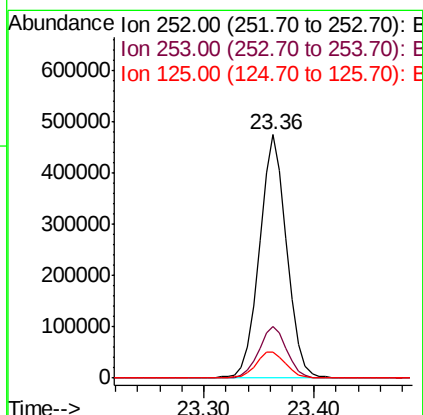
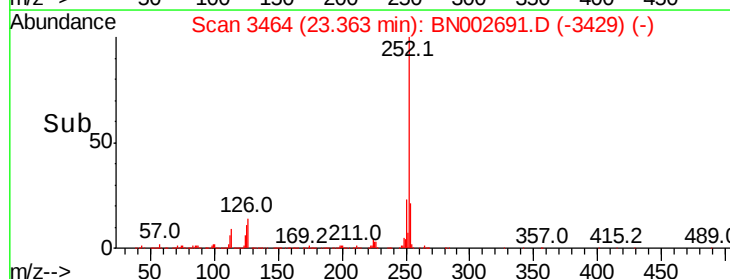
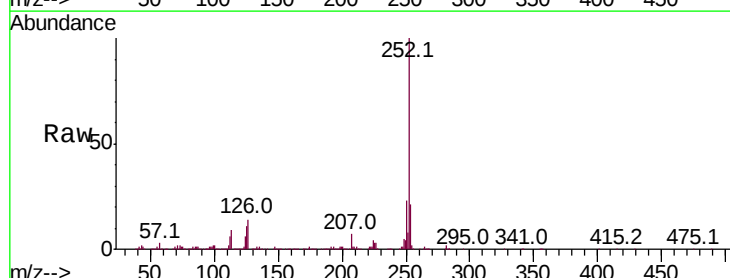
Tgt Ion:252 Resp: 813176

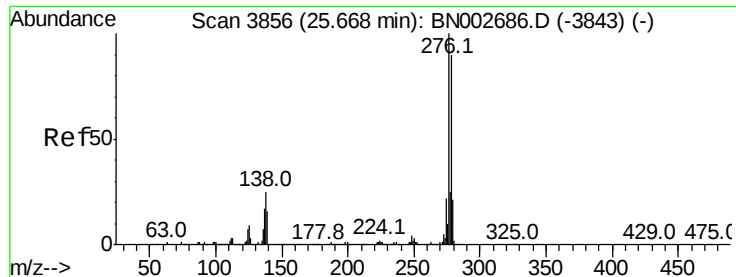
Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 10.9 8.8 13.2





#91

Indeno(1,2,3-cd)pyrene

Concen: 25.600 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

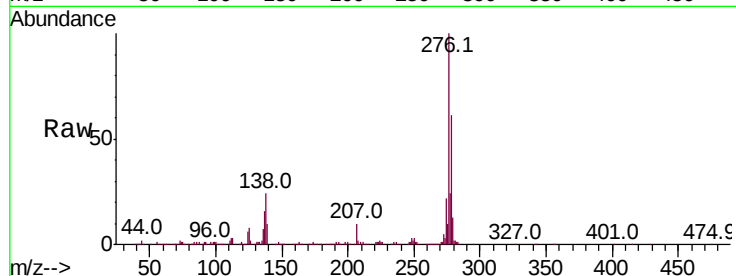
Tot Ion:276 Resp: 933865

Ion Ratio Lower Upper

276 100

138 23.6 20.2 30.4

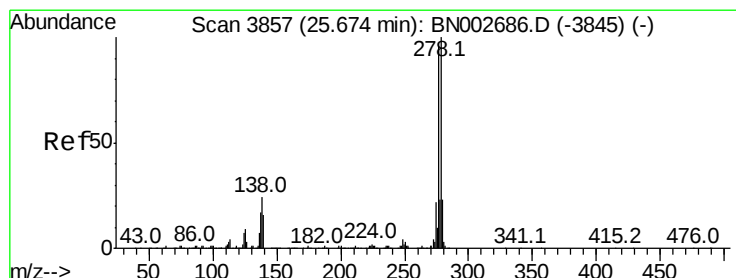
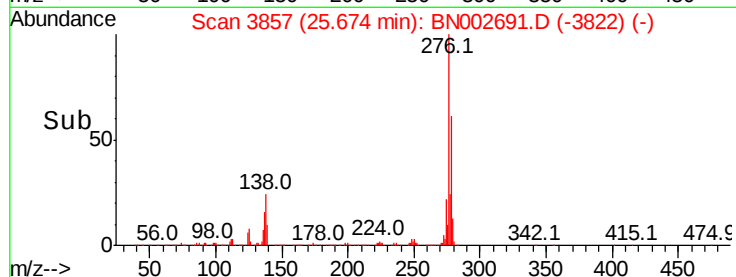
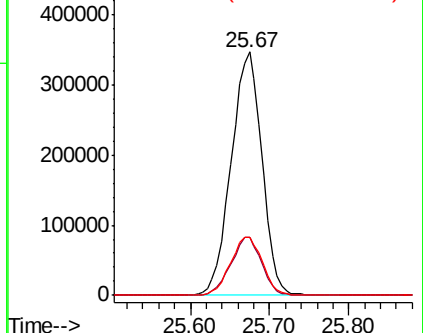
277 24.0 20.0 30.0



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: 17.431 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

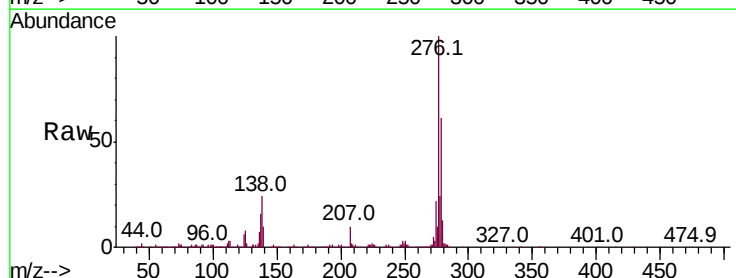
Tgt Ion:278 Resp: 535780

Ion Ratio Lower Upper

278 100

139 16.7 12.7 19.1

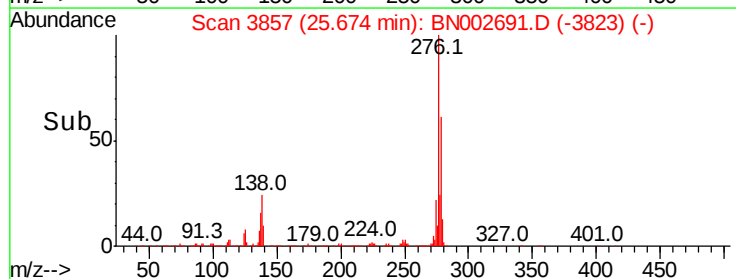
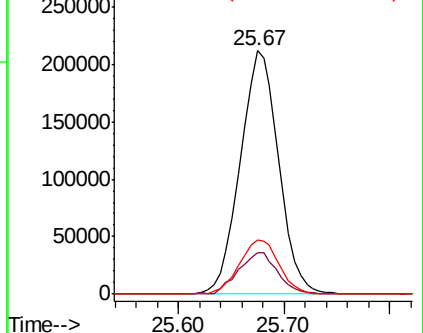
279 22.0 18.7 28.1

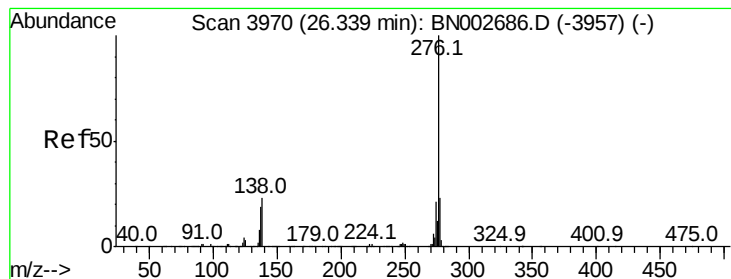


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 40.904 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BN002691.D

Acq: 14 Sep 2018 16:26

Instrument :

BNA_N

ClientSampleId :

DB3M9

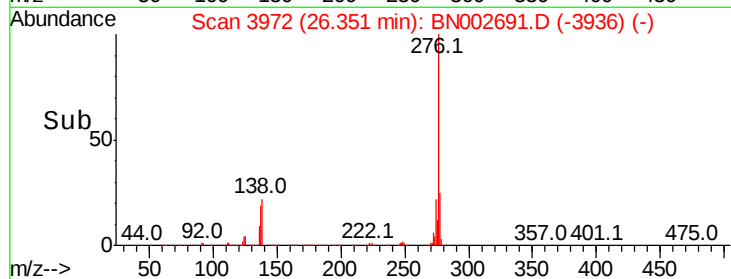
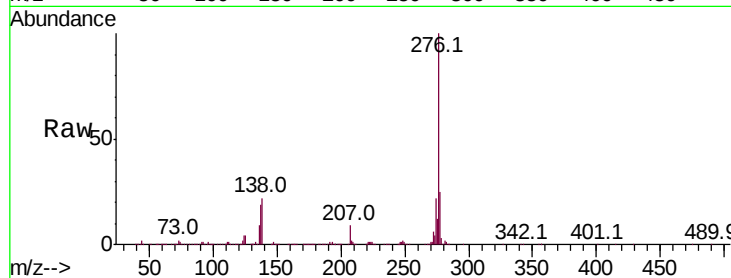
Tot Ion:276 Resp: 1247324

Ion Ratio Lower Upper

276 100

138 22.0 18.2 27.2

277 24.5 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

